

# **FCC Test Report**

Report No.: RF110516C08C

FCC ID: U2M-SN902

**Test Model:** DuraFon 1X (refer to item 3.1 for more detail)

Received Date: Oct. 16, 2015

**Test Date:** Oct. 23 ~ Dec. 08, 2015

**Issued Date:** Dec. 10, 2015

Applicant: Senao Networks, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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33383, TAIWAN (R.O.C.)





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# **Release Control Record**

Issue No.	Description	Date Issued
RF110516C08C	Original release.	Dec. 10, 2015

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## 1 Certificate of Conformity

**Product:** Industrial Cordless Phone System

Brand: EnGenius

**Test Model:** DuraFon 1X (refer to item 3.1 for more detail)

Sample Status: Engineering sample

Applicant: Senao Networks, Inc.

**Test Date:** Oct. 23 ~ Dec. 08, 2015

**Standards:** 47 CFR FCC Part 15, Subpart C (Section 15.247)

ANSI C63.10:2013

This report is issued as a supplementary report of RF110516C08B. This report shall be used combined together with its original report.

Prepared by : \_\_\_\_\_\_\_, Date: \_\_\_\_\_\_\_\_, Dec. 10, 2015

Pettie Chen / Senior Specialist

Approved by: Dec. 10, 2015

Ken Liu / Senior Manager

Note: Radiated emission below 1GHz and conducted emission items are performed for the addendum. Refer to original report for the other test data.

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## 2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (SECTION 15.247)							
FCC Clause	Test Item	Result	Remarks				
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 0.46652MHz.				
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit.  Minimum passing margin is -0.8dB at 667.63MHz.				
15.247(d)	Antenna Port Emission	N/A	Refer to Note				
15.247(a)(2)	6dB bandwidth	N/A	Refer to Note				
15.247(b)	15.247(b) Conducted power		Refer to Note				
15.247(e)	Power Spectral Density	N/A	Refer to Note				
15.203	Antenna Requirement	N/A	Refer to Note				

Note: Radiated emission below 1GHz and conducted emission items are 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	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.44 dB
Padiated Emissions up to 1 CHz	30MHz ~ 200MHz	3.86 dB
Radiated Emissions up to 1 GHz	200MHz ~ 1000MHz	3.87 dB

## 2.2 Modification Record

There were no modifications required for compliance.



#### 3 General Information

# 3.1 General Description of EUT

Product	Industrial Cordless Phone System		
Brand	EnGenius		
Test Model	DuraFon 1X (refer to note as below)		
Status of EUT	Engineering sample		
	12Vdc (from AC Adapter)		
Power Supply Rating	3.7Vdc (from battery)		
	5.5Vdc (from charger)		
Modulation Type	MSK		
Operating Frequency	902.5155 ~ 927.5972MHz		
Number of Channel	50		
Channel Spacing	202.272kHz		
Output Power	972.7mW		
Antenna Type	Dipole antenna with 2dBi gain (Base Station) Dipole antenna with 1.5dBi gain (Portable Handset)		
Antenna Connector	RTNC		
Data Cable	1.8m non-shielded RJ11 cable without core		
I/O Ports	Refer to user's manual		
Accessory Device	Adapter, Charger, Battery		

### NOTE:

1. This report is issued as a supplementary report of BVADT report no.: RF110516C08B. Differences compared with the original report are adding 4 adapters. Therefore, only the test item of radiated emission below 1GHz and conducted emission tests had been an addendum test to this report. Refer to original report for the other test data

2. All models are electrically identical, different model names are for marketing purpose.

Brand	Model	Remark
EnGenius	DuraFon 1X	
EnGenius	SN-902SPK	marketing purpose

3. The EUT uses following adapters, battery & Charger. (The new adapters are adapter 4, 5, 8, 9)

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Adapter 1 (for Base Station used)							
Brand	Powertron						
Model	PA1015-120HU						
Input Power	100-240Vac, 50/60Hz, 0.4A						
Output Power	12Vdc, 1A						
Poewr Line	1.8m non-shielded cable without core						

Adapter 2 (for Base Station used)					
Brand Powertron Electronics Corp.					
Model	PA1024-2DUA				
Input Power 100-240Vac, 50/60Hz, 0.6A					
Output Power 12Vdc, 1A, 12W Max					
Poewr Line	Poewr Line 1.5m non-shielded cable without core				



Adapter 3 (for Bas								
Brand	DVE							
Model	DSA-15P-12 US 120120							
Input Power	100-240Vac, 50-60Hz, 0.5A							
Output Power	12Vdc, 1.0A, 12W MAX							
Poewr Line	wr Line 1.5m non-shielded cable without core							
Adapter 4 (for Bas	Adapter 4 (for Base Station used) (New)							
Brand	DVE							
Model	DSA-12PFT-12 FUS 120100							
Input Power	100-240Vac~50/60Hz 0.5A							
Output Power	+12Vdc / 1A							
Poewr Line	1.45m non-shielded cable without core							
Adapter 5 (for Bas	se Station used) (New)							
Brand	Atech OEM							
Model	A0126PU-120010							
Input Power	100-240Vac~50-60Hz 0.5A							
Output Power	12Vdc / 1.0A							
Poewr Line	1.5m non-shielded cable without core							
Battery (for Portal								
Brand	EnGenius							
Rating	3.7Vdc, 1700mAh							
	able Handset Charger used) EnGenius							
Brand Model								
	DuraFon 90-264Vac							
Input Power Output Power	5.5Vdc, 1.5A							
	table Handset Charger used)							
Model	WRG10F-055A							
Input Power	100-240Vac, 50-60Hz, 0.5A							
Output Power	5.5Vdc, 1.5A							
Poewr Line 1.8m non-shielded cable without core								
Adapter 7 (for Por	table 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							
Adapter 8 (for Por	table Handset Charger used) (New)							
Brand	Powertron Electronics Corp.							
Model	PS1012-055HUB150							
Input Power	100-240Vac~50/60Hz 0.4A							
Output Power								
Poewr Line 1.5m non-shielded cable without core								
Adapter 9 (for Por	table Handset Charger used) (New)							
Brand								
Model								
Input Power	100-240Vac, 50-60Hz, 0.5A							
Output Power								
Poewr Line	1.5m non-shielded cable without core							
4 A 4 - f H [1]								

- 4. A set of the EUT include Base station & Portable handset
- 5. 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	902.5155	11	907.7746	21	912.6291	31	918.2927	41	923.1472
2	902.9200	12	908.1791	22	913.0336	32	919.1018	42	923.9563
3	903.3246	13	908.5837	23	913.4382	33	919.5063	43	924.3608
4	903.7291	14	909.3927	24	914.2473	34	919.9109	44	924.7654
5	904.5382	15	909.7973	25	915.0563	35	920.3154	45	925.1699
6	904.9428	16	910.2018	26	915.4609	36	920.7200	46	925.5745
7	905.3473	17	910.6064	27	915.8654	37	921.5290	47	926.3836
8	905.7519	18	911.0109	28	916.6745	38	921.9336	48	926.7881
9	906.1564	19	911.8200	29	917.4836	39	922.3381	49	927.1926
10	906.9655	20	912.2245	30	917.8881	40	922.7427	50	927.5972



#### 3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE	APPLICA	ABLE TO	DESCRIPTION	
MODE	RE<1G	PLC	DESCRIPTION	
А	$\checkmark$	$\checkmark$	Base Station mode with adapter 4	
В	<b>√</b>	<b>V</b>	Base Station mode with adapter 5	
С	<b>√</b>	<b>V</b>	Handset mode with adapter 8	
D	<b>V</b>	<b>V</b>	Handset mode with adapter 9	

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

PLC: Power Line Conducted Emission

#### Radiated Emission Test (Below 1GHz):

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 TESTED CHANNEL		MODULATION TYPE	AXIS	
A, B	1 to 50	1, 25, 50	MSK	Х	
C, D	1 to 50	1, 25, 50	MSK	Y	

#### **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, B	1 to 50	1, 25, 50	MSK	
C, D	1 to 50	1, 25, 50	MSK	

#### **Test Condition:**

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY	
RE<1G	18deg. C, 70%RH	120Vac, 60Hz	Nick Hsu	
KECIG	21deg. C, 70%RH	120 vac, 00112	Jones Chang	
DI C	18deg. C, 70%RH	120Vac, 60Hz	Nick Hsu	
PLC	20deg. C, 70%RH	120Vac, 60H2	Jones Chang	

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# 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.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Load	NA	NA	NA	NA	-
B.	Telephone	WONDER	WD-303	3C17IA03847	NA	-
C.	iPod shuffle	apple	A1204	4H814G21YX6	FCC DoC Approved	-
D.	Earphone	PHILIPS	SBC HL150	NA	I NΙΔ	For test mode C of Conducted Emission only
E.	Earphone	нтс	NA	NA	NA	For test mode D of Conducted Emission test & test mode C, D of Radiated Emissions test

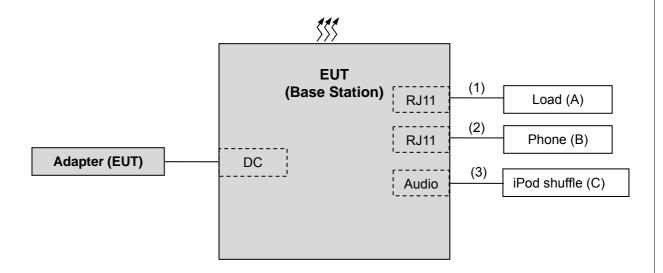
#### Note:

<sup>1.</sup> All power cords of the above support units are non-shielded (1.8 m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ11	1	1.45	N	0	-
2.	RJ11	1	1.8	N	0	-
3.	Audio	1	1.8	N	0	-
4.	Earphone cable	1	1.2	N	0	-

# 3.3.1 Configuration of System under Test

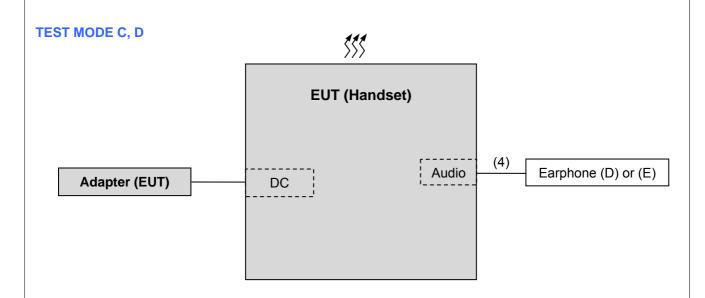
# **TEST MODE A, B**



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

# 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 C (15.247) 558074 D01 DTS Meas Guidance v03r03 662911 D01 Multiple Transmitter Output v02r01 ANSI C63.10-2013

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

**NOTE:** The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

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## 4 Test Types and Results

# 4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge 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:

Field Strength (microvolts/meter)	Measurement Distance (meters)
2400/F(kHz)	300
24000/F(kHz)	30
30	30
100	3
150	3
200	3
500	3
	(microvolts/meter)  2400/F(kHz)  24000/F(kHz)  30  100  150  200

#### 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.

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## 4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESIB7	100187	Apr. 10, 2015	Apr. 09, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Sep. 02, 2015	Sep. 01, 2016
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Feb. 05, 2015	Feb. 04, 2016
HORN Antenna SCHWARZBECK	9120D	209	Feb. 09, 2015	Feb. 08, 2016
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Feb. 09, 2015	Feb. 08, 2016
Preamplifier Agilent	8447D	2944A10738	Oct.18, 2015	Oct. 17, 2016
Preamplifier Agilent	8449B	3008A01964	Aug. 22, 2015	Aug. 21, 2016
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03(214 378)	Aug. 22, 2015	Aug. 21, 2016
RF signal cable HUBER+SUHNER	SUCOFLEX 106	Cable-CH3-03(309 224+12738)	Aug. 22, 2015	Aug. 21, 2016
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021702	NA	NA
Turn Table BV ADT	TT100	TT93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	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 Chamber 3.
- 3. The horn antenna and 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 3 meter chamber room for test. 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 height of antenna 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 quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

#### Note:

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

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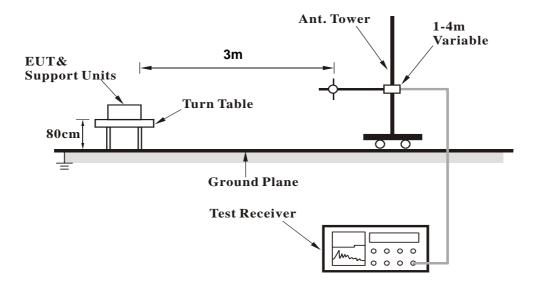
No deviation.

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## 4.1.5 Test Set Up

# <Frequency Range below 1GHz>



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

# 4.1.6 EUT Operating Conditions

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



## 4.1.7 Test Results

## **Below 1GHz Worst-Case Data**

Channel	Channel 1	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	А

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL A	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	156.28	33.4 QP	43.5	-10.1	1.50 H	75	47.30	-13.90	
2	270.99	32.5 QP	46.0	-13.5	1.00 H	195	45.80	-13.30	
3	304.04	32.2 QP	46.0	-13.8	1.00 H	195	44.60	-12.40	
4	667.63	35.3 QP	46.0	-10.7	1.00 H	54	40.30	-5.00	
5	745.40	40.8 QP	46.0	-5.2	1.00 H	57	44.10	-3.30	
6	972.88	35.9 QP	54.0	-18.1	1.50 H	16	35.00	0.90	
	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	80.45	33.0 QP	40.0	-7.0	1.50 V	143	51.80	-18.80	
2	150.45	25.2 QP	43.5	-18.3	1.50 V	136	39.20	-14.00	
3	270.99	28.5 QP	46.0	-17.5	1.00 V	129	41.80	-13.30	
4	496.53	31.5 QP	46.0	-14.5	1.00 V	244	40.00	-8.50	
5	745.40	33.1 QP	46.0	-12.9	1.00 V	14	36.40	-3.30	
6	885.39	40.8 QP	46.0	-5.2	1.00 V	235	41.70	-0.90	
0	000.00			~					

- 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



Channel	Channel 25	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	A

	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	80.45	28.7 QP	40.0	-11.3	1.50 H	279	47.50	-18.80	
2	156.28	34.5 QP	43.5	-9.0	1.50 H	78	48.40	-13.90	
3	278.77	33.4 QP	46.0	-12.6	1.01 H	177	46.40	-13.00	
4	667.63	35.5 QP	46.0	-10.5	1.01 H	53	40.50	-5.00	
5	745.40	40.6 QP	46.0	-5.4	1.01 H	51	43.90	-3.30	
6	976.77	36.5 QP	54.0	-17.5	1.50 H	49	35.70	0.80	
		ANTENN	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL AT	T 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	80.45	33.4 QP	40.0	-6.6	1.00 V	137	52.20	-18.80	
2	156.28	24.8 QP	43.5	-18.7	1.50 V	166	38.70	-13.90	
3	270.99	28.6 QP	46.0	-17.4	1.00 V	137	41.90	-13.30	
4	496.53	32.3 QP	46.0	-13.7	1.00 V	244	40.80	-8.50	
5	887.33	41.2 QP	46.0	-4.8	1.00 V	246	42.10	-0.90	
6	968.99	43.8 QP	54.0	-10.2	1.00 V	302	43.00	0.80	

- 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



Channel	Channel 50	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	A

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL A	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	80.45	28.2 QP	40.0	-11.8	1.50 H	285	47.00	-18.80
2	156.28	33.4 QP	43.5	-10.1	1.50 H	98	47.30	-13.90
3	278.77	33.7 QP	46.0	-12.3	1.01 H	180	46.70	-13.00
4	745.40	40.6 QP	46.0	-5.4	1.01 H	49	43.90	-3.30
5	883.44	34.8 QP	46.0	-11.2	1.50 H	348	35.70	-0.90
6	972.88	35.1 QP	54.0	-18.9	1.50 H	43	34.20	0.90
		ANTENN	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL AT	Г 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	80.45	33.0 QP	40.0	-7.0	1.00 V	157	51.80	-18.80
2	150.45	24.8 QP	43.5	-18.7	1.50 V	150	38.80	-14.00
3	270.99	28.5 QP	46.0	-17.5	1.00 V	138	41.80	-13.30
4	496.53	31.4 QP	46.0	-14.6	1.00 V	249	39.90	-8.50
5	745.40	33.0 QP	46.0	-13.0	1.00 V	133	36.30	-3.30
6	967.05	42.5 QP	54.0	-11.5	1.00 V	276	41.80	0.70

- 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

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Channel	Channel 1	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	В

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL A	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	86.28	32.9 QP	40.0	-7.1	1.99 H	67	52.60	-19.70
2	156.28	28.1 QP	43.5	-15.4	1.99 H	72	42.00	-13.90
3	278.77	31.2 QP	46.0	-14.8	1.00 H	233	44.20	-13.00
4	302.10	29.1 QP	46.0	-16.9	1.00 H	85	41.60	-12.50
5	745.40	43.4 QP	46.0	-2.6	1.00 H	174	46.70	-3.30
6	968.99	34.3 QP	54.0	-19.7	1.50 H	18	33.50	0.80
		ANTENN	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL AT	Г 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	39.62	30.6 QP	40.0	-9.4	1.00 V	14	45.80	-15.20
2	67.72	38.8 QP	40.0	-1.2	1.00 V	168	54.80	-16.00
3	654.02	44.6 QP	46.0	-1.4	1.00 V	103	49.80	-5.20
4	745.40	34.2 QP	46.0	-11.8	1.99 V	137	37.50	-3.30
5	959.27	39.5 QP	46.0	-6.5	1.00 V	355	39.00	0.50
6	970.94	39.6 QP	54.0	-14.4	1.00 V	355	38.70	0.90

- 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



Channel	Channel 25	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	В

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL A	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	66.84	29.5 QP	40.0	-10.5	2.00 H	243	45.20	-15.70
2	86.28	35.3 QP	40.0	-4.7	2.00 H	104	55.00	-19.70
3	667.63	45.2 QP	46.0	-0.8	1.00 H	182	50.20	-5.00
4	745.40	38.7 QP	46.0	-7.3	1.00 H	36	42.00	-3.30
5	840.67	44.5 QP	46.0	-1.5	2.00 H	36	46.20	-1.70
6	968.99	37.4 QP	54.0	-16.6	1.50 H	204	36.60	0.80
ANTENNA POLARITY & TEST DISTANCE: VEF					ERTICAL 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	39.62	30.9 QP	40.0	-9.1	1.50 V	16	46.10	-15.20
2	67.71	38.9 QP	40.0	-1.1	2.00 V	3	54.90	-16.00
3	278.77	30.0 QP	46.0	-16.0	1.50 V	163	43.00	-13.00
4	496.53	28.5 QP	46.0	-17.5	1.00 V	347	37.00	-8.50
5	667.63	44.6 QP	46.0	-1.4	1.00 V	105	49.60	-5.00
6	745.40	34.4 QP	46.0	-11.6	1.99 V	149	37.70	-3.30
7	972.88	42.2 QP	54.0	-11.8	1.00 V	95	41.30	0.90

- 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



Channel	Channel 50	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	В

	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	66.84	29.1 QP	40.0	-10.9	1.99 H	228	44.80	-15.70	
2	86.28	35.1 QP	40.0	-4.9	1.99 H	93	54.80	-19.70	
3	278.77	32.1 QP	46.0	-13.9	1.00 H	214	45.10	-13.00	
4	679.29	44.5 QP	46.0	-1.5	1.00 H	176	49.20	-4.70	
5	745.40	37.3 QP	46.0	-8.7	1.00 H	164	40.60	-3.30	
6	957.33	39.7 QP	46.0	-6.3	1.49 H	41	39.20	0.50	
7	968.99	40.1 QP	54.0	-13.9	1.49 H	44	39.30	0.80	
		ANTENN	A POLARITY	/ & TEST DI	STANCE: VI	ERTICAL AT	T 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	67.68	39.0 QP	40.0	-1.0	1.00 V	171	55.00	-16.00	
2	278.77	28.4 QP	46.0	-17.6	2.00 V	167	41.40	-13.00	
3	679.29	44.7 QP	46.0	-1.3	1.00 V	103	49.40	-4.70	
4	745.40	30.4 QP	46.0	-15.6	1.00 V	7	33.70	-3.30	
5	958.63	44.9 QP	46.0	-1.1	1.00 V	111	44.40	0.50	
6	967.05	47.8 QP	54.0	-6.2	1.00 V	315	47.10	0.70	

- 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



Channel	Channel 1	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	С

	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	164.06	33.9 QP	43.5	-9.6	1.00 H	228	47.90	-14.00	
2	216.55	30.8 QP	46.0	-15.2	1.50 H	261	47.30	-16.50	
3	280.71	33.3 QP	46.0	-12.7	1.00 H	267	46.20	-12.90	
4	350.71	33.5 QP	46.0	-12.5	1.00 H	286	45.20	-11.70	
5	745.40	36.1 QP	46.0	-9.9	1.00 H	147	39.40	-3.30	
6	871.78	41.4 QP	46.0	-4.6	1.00 H	95	42.30	-0.90	
		ANTENN	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL AT	Г 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	53.23	30.0 QP	40.0	-10.0	1.00 V	16	44.50	-14.50	
2	142.67	35.1 QP	43.5	-8.4	1.00 V	16	49.50	-14.40	
3	267.10	34.0 QP	46.0	-12.0	1.00 V	16	47.60	-13.60	
4	449.87	31.1 QP	46.0	-14.9	1.00 V	16	40.40	-9.30	
5	502.36	31.7 QP	46.0	-14.3	1.00 V	293	40.10	-8.40	
6	745.40	30.7 QP	46.0	-15.3	1.00 V	331	34.00	-3.30	

- 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



Channel	Channel 25	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	С

	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	150.45	32.5 QP	43.5	-11.0	1.01 H	246	46.50	-14.00	
2	288.49	36.8 QP	46.0	-9.2	1.01 H	129	49.60	-12.80	
3	342.93	32.9 QP	46.0	-13.1	1.01 H	70	44.60	-11.70	
4	496.53	29.1 QP	46.0	-16.9	1.01 H	302	37.60	-8.50	
5	745.40	36.0 QP	46.0	-10.0	1.01 H	99	39.30	-3.30	
6	873.72	41.6 QP	46.0	-4.4	1.01 H	87	42.50	-0.90	
		ANTENN	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL 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	61.01	29.8 QP	40.0	-10.2	1.49 V	310	45.00	-15.20	
2	142.67	35.1 QP	43.5	-8.4	1.00 V	8	49.50	-14.40	
3	272.94	34.9 QP	46.0	-11.1	1.00 V	39	48.10	-13.20	
4	453.75	31.2 QP	46.0	-14.8	1.00 V	291	40.50	-9.30	
5	514.03	31.1 QP	46.0	-14.9	1.00 V	291	39.20	-8.10	
6	879.55	38.3 QP	46.0	-7.7	1.00 V	193	39.20	-0.90	

- 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



Channel	Channel 50	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	С

	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	164.06	33.6 QP	43.5	-9.9	1.50 H	260	47.60	-14.00	
2	284.60	34.5 QP	46.0	-11.5	1.01 H	108	47.30	-12.80	
3	333.21	34.5 QP	46.0	-11.5	1.01 H	297	46.30	-11.80	
4	568.47	27.7 QP	46.0	-18.3	1.50 H	43	35.00	-7.30	
5	745.40	36.4 QP	46.0	-9.6	1.01 H	102	39.70	-3.30	
6	873.72	42.1 QP	46.0	-3.9	1.50 H	94	43.00	-0.90	
		ANTENN	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL AT	Г 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	59.06	30.8 QP	40.0	-9.2	1.50 V	11	45.60	-14.80	
2	142.67	36.6 QP	43.5	-6.9	1.00 V	330	51.00	-14.40	
3	278.77	36.4 QP	46.0	-9.6	1.00 V	67	49.40	-13.00	
4	430.42	32.0 QP	46.0	-14.0	1.00 V	306	41.70	-9.70	
5	523.75	29.2 QP	46.0	-16.8	1.00 V	43	37.10	-7.90	
6	875.67	38.2 QP	46.0	-7.8	1.00 V	204	39.10	-0.90	

- 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



Channel	Channel 1	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	О

	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	134.89	30.0 QP	43.5	-13.5	2.00 H	229	44.90	-14.90	
2	169.89	24.7 QP	43.5	-18.8	1.50 H	72	38.90	-14.20	
3	216.55	28.3 QP	46.0	-17.7	1.50 H	72	44.50	-16.20	
4	654.02	30.8 QP	46.0	-15.2	1.00 H	53	35.60	-4.80	
5	745.40	33.9 QP	46.0	-12.1	1.00 H	267	36.90	-3.00	
6	873.72	41.7 QP	46.0	-4.3	1.50 H	252	42.40	-0.70	
	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT						Г 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	47.40	27.0 QP	40.0	-13.0	1.50 V	16	41.50	-14.50	
2	72.67	25.4 QP	40.0	-14.6	1.00 V	172	42.40	-17.00	
3	129.06	31.0 QP	43.5	-12.5	1.00 V	12	46.50	-15.50	
4	175.72	22.0 QP	43.5	-21.5	1.00 V	49	36.50	-14.50	
5	745.40	31.4 QP	46.0	-14.6	1.50 V	286	34.40	-3.00	
6	869.83	37.1 QP	46.0	-8.9	1.50 V	155	38.10	-1.00	

- 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



Channel	Channel 25	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	D

	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	129.06	29.4 QP	43.5	-14.1	1.50 H	233	44.90	-15.50	
2	167.94	24.0 QP	43.5	-19.5	1.50 H	90	38.10	-14.10	
3	216.55	28.6 QP	46.0	-17.4	1.50 H	68	44.80	-16.20	
4	667.63	28.8 QP	46.0	-17.2	1.00 H	92	33.50	-4.70	
5	745.40	34.8 QP	46.0	-11.2	1.00 H	274	37.80	-3.00	
6	836.78	32.6 QP	46.0	-13.4	1.00 H	265	34.10	-1.50	
	ANTENNA POLARITY & TEST DISTANCE: VERTICAL A					ERTICAL AT	T 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	45.45	23.5 QP	40.0	-16.5	1.00 V	16	38.20	-14.70	
2	72.67	23.8 QP	40.0	-16.2	2.00 V	13	40.80	-17.00	
3	129.06	30.2 QP	43.5	-13.3	1.00 V	12	45.70	-15.50	
4	169.89	21.2 QP	43.5	-22.3	1.00 V	16	35.40	-14.20	
5	667.63	25.2 QP	46.0	-20.8	1.50 V	296	29.90	-4.70	
6	745.40	32.8 QP	46.0	-13.2	1.50 V	291	35.80	-3.00	

- 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



Channel	Channel 50	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Test Mode	D

	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	129.06	29.4 QP	43.5	-14.1	1.00 H	320	44.90	-15.50	
2	208.77	28.3 QP	43.5	-15.2	1.00 H	320	44.70	-16.40	
3	679.29	33.2 QP	46.0	-12.8	1.00 H	40	37.60	-4.40	
4	745.40	34.2 QP	46.0	-11.8	1.00 H	69	37.20	-3.00	
5	862.06	35.1 QP	46.0	-10.9	1.00 H	320	36.20	-1.10	
6	963.16	47.0 QP	54.0	-7.0	1.00 H	320	46.20	0.80	
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 N						Г 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	45.45	23.0 QP	40.0	-17.0	1.50 V	16	37.70	-14.70	
2	72.67	23.5 QP	40.0	-16.5	1.00 V	176	40.50	-17.00	
3	129.06	30.6 QP	43.5	-12.9	1.00 V	202	46.10	-15.50	
4	679.29	31.9 QP	46.0	-14.1	1.50 V	310	36.30	-4.40	
5	745.40	32.9 QP	46.0	-13.1	1.50 V	286	35.90	-3.00	
6	963.16	42.2 QP	54.0	-11.8	1.00 V	91	41.40	0.80	

- 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

Eroguopov (MHz)	Conducted Limit (dBuV)				
Frequency (MHz)	Quasi-peak	Average			
0.15 - 0.5	66 - 56	56 - 46			
0.50 - 5.0	56	46			
5.0 - 30.0	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 0.50MHz.

## 4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Test Receiver ROHDE & SCHWARZ	ESCS 30	100288	Apr. 27, 2015	Apr. 26, 2016
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Dec. 26, 2014	Dec. 25, 2015
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 30, 2014	Dec. 29, 2015
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Jul. 21, 2015	Jul. 20, 2016
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

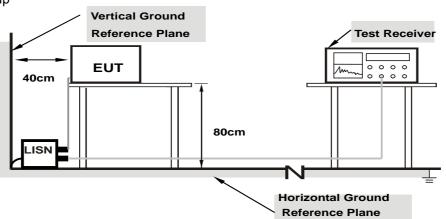
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit 20dB) was not recorded.

**NOTE:** The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

#### 4.2.4 Deviation from Test Standard

No deviation.

## 4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

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.

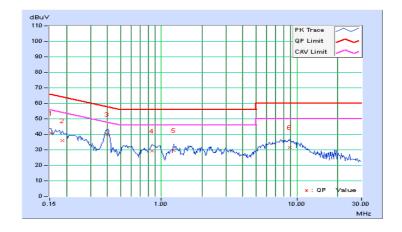


## 4.2.7 Test Results

Phase	Line (L)	I DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	A

	From	Corr.	Readin	g Value	Emissio	n Level	Lir	nit	Mar	gin
No	Freq.	Factor	[dB	(uV)]	[dB	(uV)]	[dB (	(uV)]	(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.94	30.76	16.99	40.70	26.93	65.79	55.79	-25.09	-28.86
2	0.18516	9.94	26.14	10.29	36.08	20.23	64.25	54.25	-28.17	-34.02
3	0.40009	9.95	29.95	22.19	39.90	32.14	57.85	47.85	-17.95	-15.71
4	0.85313	10.04	19.21	10.63	29.25	20.67	56.00	46.00	-26.75	-25.33
5	1.24219	10.09	19.41	11.64	29.50	21.73	56.00	46.00	-26.50	-24.27
6	8.83594	10.40	21.01	15.34	31.41	25.74	60.00	50.00	-28.59	-24.26

- 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.

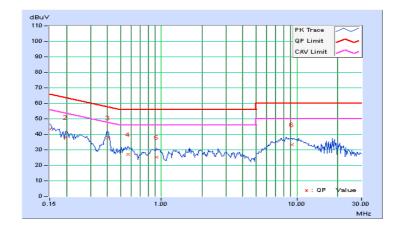




Phase	Neutral (N)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	A

	Erog	Corr.	Reading Value		Emissio	Emission Level		Limit		Margin	
No Freq.		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.95	33.20	17.96	43.15	27.91	66.00	56.00	-22.85	-28.09	
2	0.19687	9.96	28.22	12.16	38.18	22.12	63.74	53.74	-25.56	-31.62	
3	0.40391	10.00	27.73	18.89	37.73	28.89	57.77	47.77	-20.04	-18.88	
4	0.56797	10.02	17.05	9.00	27.07	19.02	56.00	46.00	-28.93	-26.98	
5	0.92344	10.07	14.99	7.88	25.06	17.95	56.00	46.00	-30.94	-28.05	
6	9.20703	10.47	22.77	16.98	33.24	27.45	60.00	50.00	-26.76	-22.55	

- 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.

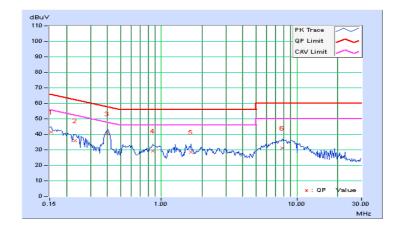




Phase	Line (L)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	Α

	Erog	Corr.	Reading Value		Emissio	Emission Level		nit	Mar	gin
No Freq.		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.94	31.70	17.63	41.64	27.57	65.79	55.79	-24.15	-28.22
2	0.23203	9.95	25.81	11.06	35.76	21.01	62.38	52.38	-26.62	-31.37
3	0.40000	9.95	30.36	22.14	40.31	32.09	57.85	47.85	-17.54	-15.76
4	0.86875	10.04	19.30	10.85	29.34	20.89	56.00	46.00	-26.66	-25.11
5	1.65234	10.12	18.29	11.17	28.41	21.29	56.00	46.00	-27.59	-24.71
6	7.77344	10.37	20.82	15.41	31.19	25.78	60.00	50.00	-28.81	-24.22

- 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.

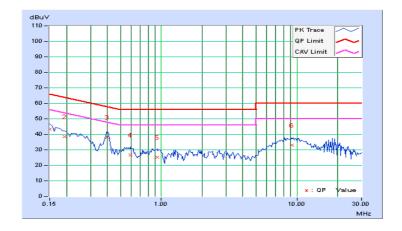




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	Α

	Erog	Corr.	Reading Value		Emissio	Emission Level		Limit		Margin	
No Freq.		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.95	33.40	18.17	43.35	28.12	66.00	56.00	-22.65	-27.88	
2	0.19297	9.96	28.69	12.16	38.65	22.12	63.91	53.91	-25.25	-31.78	
3	0.40000	10.00	28.17	18.85	38.17	28.85	57.85	47.85	-19.68	-19.00	
4	0.59141	10.03	16.55	8.72	26.58	18.75	56.00	46.00	-29.42	-27.25	
5	0.93516	10.07	15.11	7.99	25.18	18.06	56.00	46.00	-30.82	-27.94	
6	9.16016	10.47	22.46	16.92	32.93	27.39	60.00	50.00	-27.07	-22.61	

- 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.

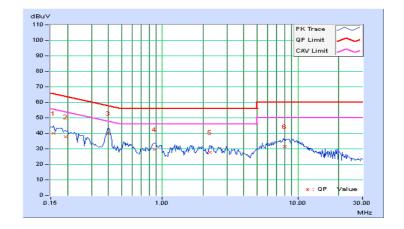




Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)		
Channel	Channel 50	Test Mode	А		

	Erog	Corr.	Reading Value		Emissio	Emission Level		Limit		Margin	
No Freq.		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15781	9.94	30.16	14.24	40.10	24.18	65.58	55.58	-25.48	-31.40	
2	0.19297	9.95	27.65	12.73	37.60	22.68	63.91	53.91	-26.31	-31.23	
3	0.40000	9.95	30.03	22.03	39.98	31.98	57.85	47.85	-17.87	-15.87	
4	0.87656	10.04	19.65	10.61	29.69	20.65	56.00	46.00	-26.31	-25.35	
5	2.25000	10.17	17.61	10.42	27.78	20.59	56.00	46.00	-28.22	-25.41	
6	8.00781	10.38	21.15	15.38	31.53	25.76	60.00	50.00	-28.47	-24.24	

- 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.

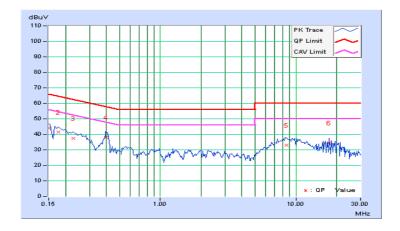




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 50	Test Mode	A

	Erog	Corr.	Reading Value		Emissio	Emission Level		Limit		Margin	
No Freq.		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.95	33.99	18.69	43.94	28.64	66.00	56.00	-22.06	-27.36	
2	0.17734	9.96	31.40	14.72	41.36	24.68	64.61	54.61	-23.25	-29.93	
3	0.22812	9.97	27.55	10.76	37.52	20.73	62.52	52.52	-25.00	-31.79	
4	0.39991	10.00	28.23	18.83	38.23	28.83	57.86	47.86	-19.62	-19.02	
5	8.52734	10.45	22.59	16.91	33.04	27.36	60.00	50.00	-26.96	-22.64	
6	17.53125	10.76	23.75	22.61	34.51	33.37	60.00	50.00	-25.49	-16.63	

- 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.

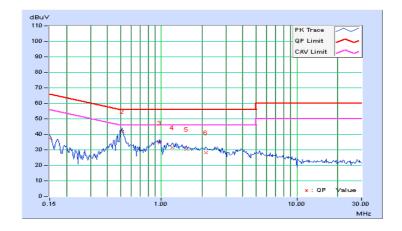




Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	В

	Erog	Corr.		Reading Value		Emission Level		Limit		gin
No	Freq.	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.94	27.62	21.24	37.56	31.18	66.00	56.00	-28.44	-24.82
2	0.51328	9.97	31.86	29.05	41.83	39.02	56.00	46.00	-14.17	-6.98
3	0.96641	10.06	24.46	15.96	34.52	26.02	56.00	46.00	-21.48	-19.98
4	1.20703	10.09	21.22	13.04	31.31	23.13	56.00	46.00	-24.69	-22.87
5	1.52734	10.11	20.20	11.41	30.31	21.52	56.00	46.00	-25.69	-24.48
6	2.12500	10.16	18.11	7.97	28.27	18.13	56.00	46.00	-27.73	-27.87

- 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.

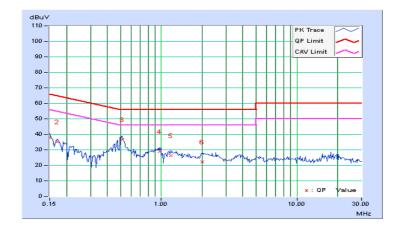




Phase	Neutral (N)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	В

	From	Corr.	Reading Value		Emissio	Emission Level		Limit		gin
No	Freq. Factor		[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	27.68	19.32	37.63	29.27	66.00	56.00	-28.37	-26.73
2	0.16953	9.96	25.30	16.47	35.26	26.43	64.98	54.98	-29.73	-28.56
3	0.51328	10.02	26.63	23.54	36.65	33.56	56.00	46.00	-19.35	-12.44
4	0.96641	10.07	18.90	10.71	28.97	20.78	56.00	46.00	-27.03	-25.22
5	1.17188	10.10	16.26	11.16	26.36	21.26	56.00	46.00	-29.64	-24.74
6	2.01172	10.20	12.18	4.99	22.38	15.19	56.00	46.00	-33.62	-30.81

- 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.

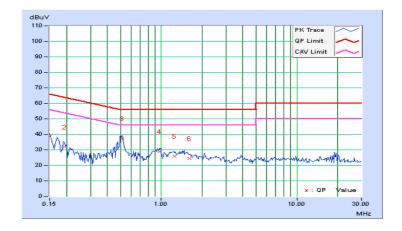




Phase	Line (L)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	В

	From	Corr.	Reading Value		Emissio	Emission Level		Limit		Margin	
No	Freq. Factor		[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.94	28.52	20.88	38.46	30.82	66.00	56.00	-27.54	-25.18	
2	0.19288	9.95	22.00	13.05	31.95	23.00	63.91	53.91	-31.97	-30.92	
3	0.51328	9.97	27.34	24.28	37.31	34.25	56.00	46.00	-18.69	-11.75	
4	0.96641	10.06	18.78	10.24	28.84	20.30	56.00	46.00	-27.16	-25.70	
5	1.25781	10.09	15.66	10.75	25.75	20.84	56.00	46.00	-30.25	-25.16	
6	1.62109	10.12	14.32	7.82	24.44	17.94	56.00	46.00	-31.56	-28.06	

- 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.

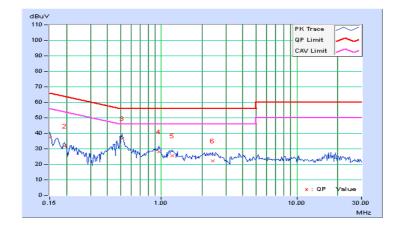




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)	
Channel	Channel 25	Test Mode	В	

	From	Corr.	Reading Value		Emissio	Emission Level		Limit		Margin	
No	o Freq. Factor		[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.95	27.60	19.20	37.55	29.15	66.00	56.00	-28.45	-26.85	
2	0.19297	9.96	21.82	13.88	31.78	23.84	63.91	53.91	-32.12	-30.06	
3	0.51328	10.02	26.63	23.52	36.65	33.54	56.00	46.00	-19.35	-12.46	
4	0.96250	10.07	18.09	12.20	28.16	22.27	56.00	46.00	-27.84	-23.73	
5	1.20313	10.10	15.36	6.63	25.46	16.73	56.00	46.00	-30.54	-29.27	
6	2.38672	10.22	11.98	5.96	22.20	16.18	56.00	46.00	-33.80	-29.82	

- 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.

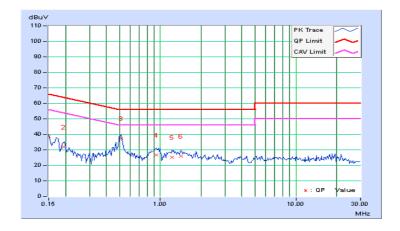




Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)	
Channel	Channel 50	Test Mode	В	

	From	Corr.	Reading Value		Emissio	n Level	Limit		Mar	gin
No	Freq.	Factor	[dB	(uV)]	[dB (uV)]		[dB (uV)]		(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.94	28.42	20.82	38.36	30.76	66.00	56.00	-27.64	-25.24
2	0.19306	9.95	21.84	13.01	31.79	22.96	63.90	53.90	-32.12	-30.95
3	0.51328	9.97	27.29	24.16	37.26	34.13	56.00	46.00	-18.74	-11.87
4	0.93125	10.05	16.49	9.33	26.54	19.38	56.00	46.00	-29.46	-26.62
5	1.22656	10.09	15.23	8.01	25.32	18.10	56.00	46.00	-30.68	-27.90
6	1.41797	10.10	15.86	8.49	25.96	18.59	56.00	46.00	-30.04	-27.41

- 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.

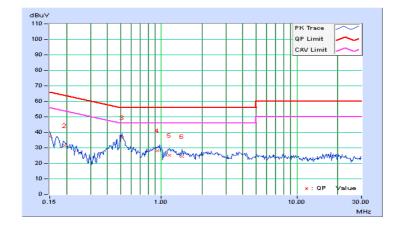




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 50	Test Mode	В

	From	Corr.	Reading Value		Emissio	n Level	Limit		Mar	gin
No	Freq.	Factor	[dB	[dB (uV)]		[dB (uV)]		[dB (uV)]		3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	27.38	19.06	37.33	29.01	66.00	56.00	-28.67	-26.99
2	0.19288	9.96	21.68	13.84	31.64	23.80	63.91	53.91	-32.27	-30.11
3	0.51328	10.02	26.73	23.38	36.75	33.40	56.00	46.00	-19.25	-12.60
4	0.94042	10.07	18.19	13.54	28.26	23.61	56.00	46.00	-27.74	-22.39
5	1.15234	10.09	15.28	9.68	25.37	19.77	56.00	46.00	-30.63	-26.23
6	1.41406	10.13	14.42	7.48	24.55	17.61	56.00	46.00	-31.45	-28.39

- 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.

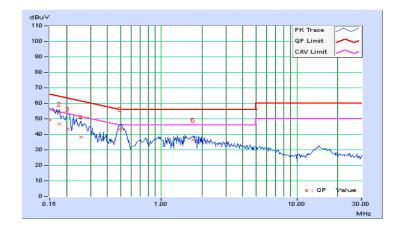




			Ougoi Book (OB) /
Phase	Line (L)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	С

	From	Corr.	Reading Value		Emissio	n Level	Limit		Margin	
No	Freq. Factor		[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.94	39.33	18.88	49.27	28.82	66.00	56.00	-16.73	-27.18
2	0.17734	9.94	36.62	15.57	46.56	25.51	64.61	54.61	-18.05	-29.10
3	0.20469	9.95	33.52	12.42	43.47	22.37	63.42	53.42	-19.95	-31.05
4	0.25547	9.95	28.08	11.62	38.03	21.57	61.58	51.58	-23.55	-30.01
5	0.49375	9.97	33.53	25.38	43.50	35.35	56.10	46.10	-12.61	-10.76
6	1.71094	10.13	26.26	16.60	36.39	26.73	56.00	46.00	-19.61	-19.27

- 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.

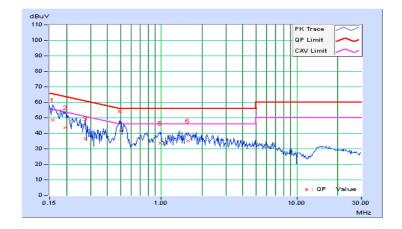




Phase	Neutral (N)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	С

	No Freq. Corr. Factor		Corr. Reading Va		Emission Level		Lir	nit	Mar	gin
No			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.95	38.59	17.55	48.54	27.50	65.58	55.58	-17.04	-28.08
2	0.19687	9.96	33.74	11.62	43.70	21.58	63.74	53.74	-20.04	-32.16
3	0.27500	9.98	26.60	12.84	36.58	22.82	60.97	50.97	-24.39	-28.15
4	0.49972	10.01	31.32	22.14	41.33	32.15	56.00	46.00	-14.67	-13.85
5	0.97813	10.07	23.59	13.70	33.66	23.77	56.00	46.00	-22.34	-22.23
6	1.57813	10.15	24.95	14.50	35.10	24.65	56.00	46.00	-20.90	-21.35

- 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.

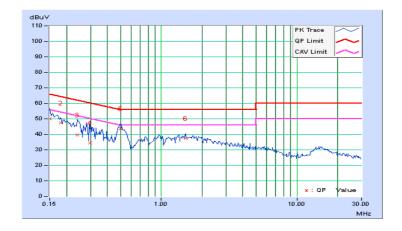




Phase	Line (L)	LIPTECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	С

	No Freq. Corr. Factor		Corr. Reading Value		Emission Level		Lir	nit	Mar	Margin	
No			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.94	40.18	18.82	50.12	28.76	66.00	56.00	-15.88	-27.24	
2	0.18125	9.94	37.54	15.00	47.48	24.94	64.43	54.43	-16.94	-29.48	
3	0.23984	9.95	29.83	9.93	39.78	19.88	62.10	52.10	-22.32	-32.22	
4	0.29844	9.95	24.60	15.42	34.55	25.37	60.29	50.29	-25.74	-24.92	
5	0.50156	9.97	33.73	25.53	43.70	35.50	56.00	46.00	-12.30	-10.50	
6	1.51563	10.11	27.47	17.89	37.58	28.00	56.00	46.00	-18.42	-18.00	

- 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.

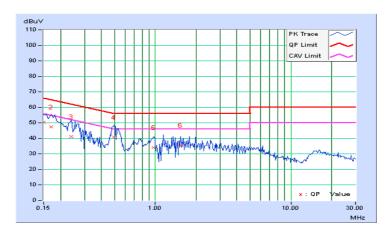




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	С

	Freq.		Corr. Reading Value		Emissio	Emission Level		Limit		Margin	
No	Freq.	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15000	9.95	40.48	18.17	50.43	28.12	66.00	56.00	-15.57	-27.88	
2	0.16953	9.96	37.42	16.00	47.38	25.96	64.98	54.98	-17.61	-29.03	
3	0.23984	9.97	31.23	8.72	41.20	18.69	62.10	52.10	-20.90	-33.41	
4	0.49766	10.01	30.83	22.08	40.84	32.09	56.04	46.04	-15.20	-13.95	
5	0.97031	10.07	23.95	14.45	34.02	24.52	56.00	46.00	-21.98	-21.48	
6	1.53516	10.14	25.37	15.30	35.51	25.44	56.00	46.00	-20.49	-20.56	

- 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.

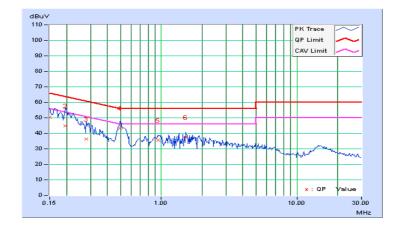




	Г		Oversi Darata (OD) /
Phase	Line (L)	Detector Function	Quasi-Peak (QP) /
	Line (L)	Detector i dilettori	Average (AV)
Channel	Channel 50	Test Mode	С

	Frog		Readin	Reading Value		Emission Level		nit	Margin	
No	Freq.	Freq. Factor		[dB (uV)]		[dB (uV)]		[dB (uV)]		3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.94	40.56	19.18	50.50	29.12	66.00	56.00	-15.50	-26.88
2	0.19687	9.95	34.94	13.27	44.89	23.22	63.74	53.74	-18.86	-30.53
3	0.27891	9.95	26.52	15.57	36.47	25.52	60.85	50.85	-24.38	-25.33
4	0.49766	9.97	33.53	25.36	43.50	35.33	56.04	46.04	-12.54	-10.71
5	0.94297	10.06	25.36	15.17	35.42	25.23	56.00	46.00	-20.58	-20.77
6	1.51563	10.11	27.41	17.87	37.52	27.98	56.00	46.00	-18.48	-18.02

- 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.

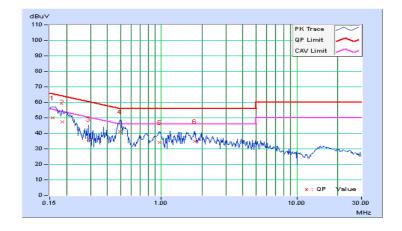




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 50	Test Mode	С

	. Freq.		Corr. Reading Value		Emissio	Emission Level		Limit		Margin	
No	Freq.	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15781	9.95	40.23	18.14	50.18	28.09	65.58	55.58	-15.40	-27.49	
2	0.18516	9.96	37.34	14.31	47.30	24.27	64.25	54.25	-16.95	-29.98	
3	0.29063	9.98	26.49	13.56	36.47	23.54	60.51	50.51	-24.03	-26.96	
4	0.49766	10.01	31.21	22.03	41.22	32.04	56.04	46.04	-14.82	-14.00	
5	0.96641	10.07	23.91	14.39	33.98	24.46	56.00	46.00	-22.02	-21.54	
6	1.76172	10.17	24.56	14.15	34.73	24.32	56.00	46.00	-21.27	-21.68	

- 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.

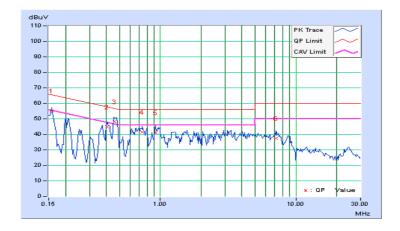




Phase	Line (L)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	D

	Freq. Corr.		Reading Value		Emissio	Emission Level		nit	Mar	gin
No	rieq.	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.94	45.16	39.08	55.10	49.02	65.58	55.58	-10.48	-6.56
2	0.40391	9.95	34.90	27.47	44.85	37.42	57.77	47.77	-12.92	-10.35
3	0.45998	9.96	38.01	33.55	47.97	43.51	56.69	46.69	-8.72	-3.18
4	0.73594	10.02	31.30	26.80	41.32	36.82	56.00	46.00	-14.68	-9.18
5	0.91953	10.05	30.94	25.04	40.99	35.09	56.00	46.00	-15.01	-10.91
6	7.17578	10.35	27.03	21.75	37.38	32.10	60.00	50.00	-22.62	-17.90

- 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.

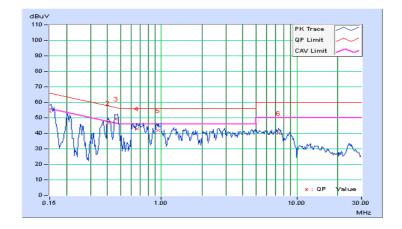




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 1	Test Mode	D

	Erog Corr.		Corr. Reading Value		Emissio	ion Level Lii		nit	Margin	
No	Freq.	Factor	[dB	(uV)]	[dB	(uV)]	[dB	(uV)]	(dl	В)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	44.22	35.35	54.17	45.30	66.00	56.00	-11.83	-10.70
2	0.40391	10.00	36.75	29.55	46.75	39.55	57.77	47.77	-11.02	-8.22
3	0.46641	10.01	39.25	35.55	49.26	45.56	56.58	46.58	-7.32	-1.02
4	0.66172	10.03	32.87	27.15	42.90	37.18	56.00	46.00	-13.10	-8.82
5	0.94688	10.07	31.90	27.59	41.97	37.66	56.00	46.00	-14.03	-8.34
6	7.28906	10.41	29.46	24.54	39.87	34.95	60.00	50.00	-20.13	-15.05

- 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.

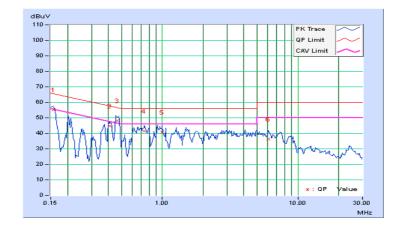




			Overi Deek (OD) /
Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	D

	Erog Corr.		Reading Value		Emissio	mission Level		Limit		Margin	
No	Freq.	req. Factor		[dB (uV)]		3 (uV)] [dB		(uV)]	(dB)		
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.15781	9.94	45.18	39.06	55.12	49.00	65.58	55.58	-10.46	-6.58	
2	0.40781	9.95	34.76	29.85	44.71	39.80	57.69	47.69	-12.98	-7.89	
3	0.46388	9.96	38.03	34.53	47.99	44.49	56.62	46.62	-8.63	-2.13	
4	0.73594	10.02	31.30	26.76	41.32	36.78	56.00	46.00	-14.68	-9.22	
5	0.99766	10.07	30.60	26.08	40.67	36.15	56.00	46.00	-15.33	-9.85	
6	6.05078	10.32	25.91	20.75	36.23	31.07	60.00	50.00	-23.77	-18.93	

- 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.

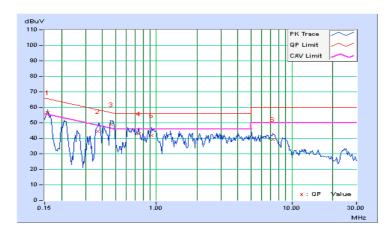




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 25	Test Mode	D

	Erog Corr.		Freq. Corr. Reading Value		Emissio	n Level	Limit		Margin	
No	rieq.	-req. Factor		[dB (uV)]		(uV)] [dB		[dB (uV)]		3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.95	46.60	41.02	56.55	50.97	65.58	55.58	-9.03	-4.61
2	0.36760	10.00	34.37	31.10	44.37	41.10	58.55	48.55	-14.19	-7.46
3	0.46250	10.01	38.87	35.14	48.88	45.15	56.65	46.65	-7.77	-1.50
4	0.73984	10.04	32.88	27.44	42.92	37.48	56.00	46.00	-13.08	-8.52
5	0.92344	10.07	31.86	27.17	41.93	37.24	56.00	46.00	-14.07	-8.76
6	7.19531	10.41	28.94	24.14	39.35	34.55	60.00	50.00	-20.65	-15.45

- 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.

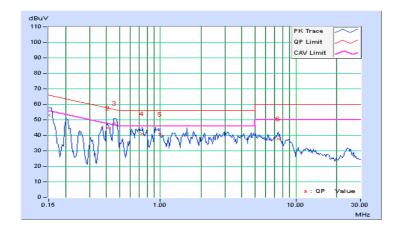




Phase	Line (L)	LI JETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Channel	Channel 50	Test Mode	D

	Freq. Corr.		Corr. Reading Value		Emissio	ion Level Li		nit	Margin	
No	rieq.	Factor	[dB	(uV)]	[dB	(uV)]	[dB (	(uV)]	(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.94	43.06	33.52	53.00	43.46	66.00	56.00	-13.00	-12.54
2	0.40706	9.95	34.68	29.29	44.63	39.24	57.71	47.71	-13.08	-8.47
3	0.46115	9.96	37.83	33.75	47.79	43.71	56.67	46.67	-8.88	-2.96
4	0.73594	10.02	31.17	26.65	41.19	36.67	56.00	46.00	-14.81	-9.33
5	0.99766	10.07	30.49	25.98	40.56	36.05	56.00	46.00	-15.44	-9.95
6	7.43359	10.36	27.60	22.12	37.96	32.48	60.00	50.00	-22.04	-17.52

- 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.

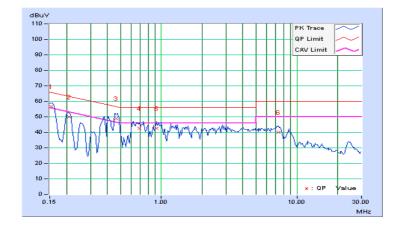




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Channel	Channel 50	Test Mode	D

	Freq. Corr. Factor		Corr. Reading Value		Emissio	n Level	Limit		Margin	
No			[dB	[dB (uV)]		dB (uV)] [dB		(uV)]	(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.95	46.88	41.04	56.83	50.99	65.79	55.79	-8.96	-4.80
2	0.20859	9.97	40.00	34.59	49.97	44.56	63.26	53.26	-13.29	-8.70
3	0.46652	10.01	39.05	35.57	49.06	45.58	56.58	46.58	-7.52	-1.00
4	0.68516	10.04	32.55	27.67	42.59	37.71	56.00	46.00	-13.41	-8.29
5	0.91953	10.07	32.36	26.87	42.43	36.94	56.00	46.00	-13.57	-9.06
6	7.33203	10.41	29.59	24.55	40.00	34.96	60.00	50.00	-20.00	-15.04

- 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 Pictures of Test Arrangements	
Please refer to the attached file (Test Setup Photo).	

Report No.: RF110516C08C Reference No.: 151016C07



# Appendix - 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

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Web Site: <a href="mailto:www.bureauveritas-adt.com">www.bureauveritas-adt.com</a>

The address and road map of all our labs can be found in our web site also.

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