



FCC PART 15B

TEST REPORT

For

Telefield Ltd.

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FCC ID: MZVIP-125

Report Type: Original Report	Product Type: IP phone
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Report Number: R2DG131023001-00	
Report Date: 2013-11-04	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Telefield Ltd.*'s product, model *IP115, IP125 (FCC ID: MZVIP-125)* (the "EUT") in this report is a *IP phone, IP115* measures approximately: 20.0 cm (L) x 21.2 cm (W) x 9.3 cm (H), *IP125* measures approximately: 20.0 cm (L) x 21.2 cm (W) x 9.3 cm (H), ,input voltage: DC 7.5V from adapter. The highest operating frequency is 25MHz.

Adapter Information: Ktec
Model: KSAS0060750080VUD
Input: AC 100-240V, 50/60Hz 0.18A
Output: DC 7.5V, 0.8A

Note: The series product, model IP115, IP115-TC, IP115XXX-X, IP115-TCXXX-X, IP115X, IP115X-TC, IP115XX, IP115XX-TC, IP115XXX, IP115XXX-TC, IP125, IP125-TC, IP125XXX-X, IP125-TCXXX-X, IP125X, IP125X-TC, IP125XX, IP125XX-TC, IP125XXX, IP125XXX-TC are electrically identical, the difference between them please refer to declaration letter, we selected IP115, IP125 for fully testing, the details was explained in the attached declaration letter.

All measurement and test data in this report was gathered from production sample serial number: 131023002-1 for model IP115-TC, 131023002-2 for model IP125-TC (Assigned by BACL, Dongguan).The EUT was received on 2013-10-24

Objective

This report is prepared on behalf of *Telefield Ltd.* in accordance with Part 2, Subpart J, Part 15, Subparts A and B of the Federal Communications Commission's rules.

The objective of the manufacturer is to determine compliance with FCC Part 15B, Class B.

Related Submittal(s)/Grant(s)

No related submittal grant.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 02, 2012. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratories Corp. (Dongguan) is an ISO/IEC 17025 accredited laboratory, and is accredited by National Voluntary Laboratory Accredited Program (Lab Code 500069-0).



The current scope of accreditations can be found at <http://ts.nist.gov/standards/scopes/5000690.htm>

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

EUT Exercise Software

No software was used.

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
DELL	Notebook computer	PP11L	QDS-BRCM1017
HP	Laser Jet5L	C3941A	JPTVOB2337
DELL	Keyboard	SK-8115	CN-0DJ313-716716-05A-0DSO
SAST	Modem	AEM-2100	90200213
TP-LINK	POE	TL-SF1008P	N/A
N/A	POE Adapter	NV60-F480125-Z1	N/A

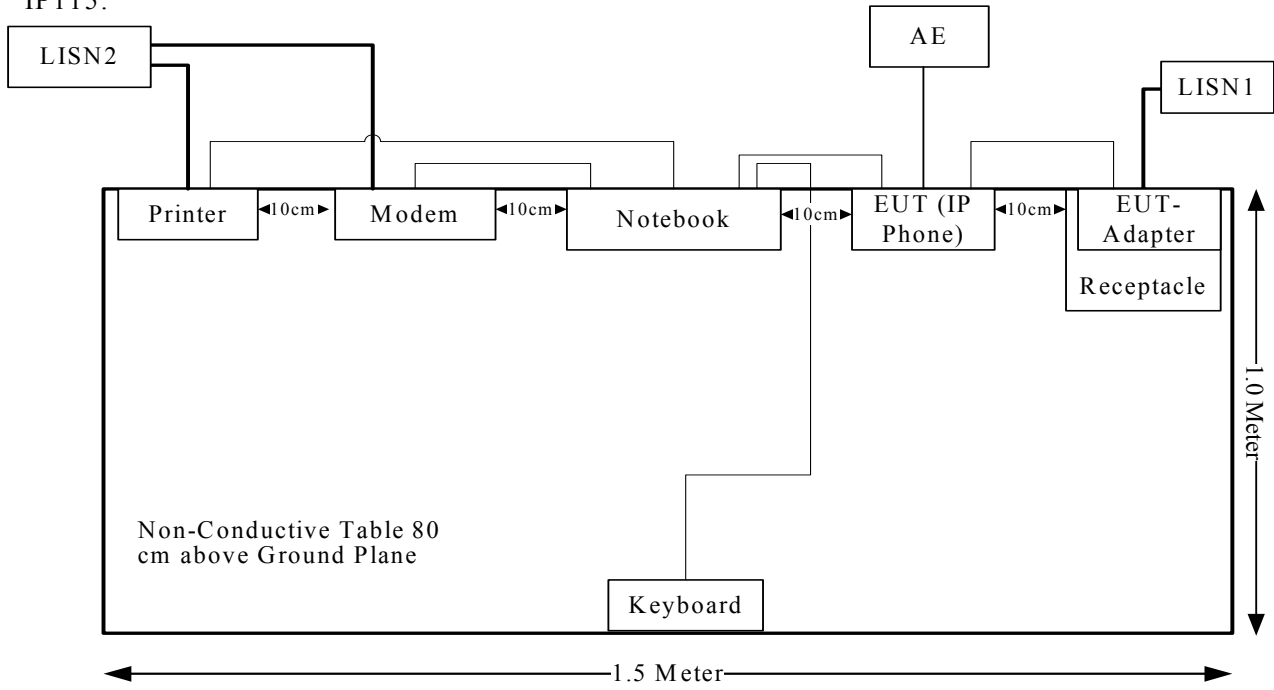
External Cable

Cable Description	Length (m)	From Port	To
Shielded Detachable Printer Cable	1.2	Parallel Port of Notebook computer	Printer
Shielded Detachable Serial Cable	1.2	Serial Port of Notebook computer	Modem
Shielded Detachable Keyboard Cable	1.5	Keyboard Port of Notebook computer	Keyboard
Shielded Detachable RJ-45 Cable	10	RJ-45 Port For EUT (IP phone)	AE
Shielded Detachable RJ-45 Cable	0.28	RJ-45 Port For EUT (IP phone)	EUT (Expansion Module)
Shielded Detachable RJ-45 Cable	1.5	RJ-45 Port For EUT (IP phone)	Notebook computer
UnShielded Detachable POWER Cable	1.8	Adapter	EUT (IP phone)
Shielded Detachable RJ-45	1.5	EUT IP Phone	AE-POE
Shielded Detachable Power Cable	1.8	AE-POE	AE-POE Adapter

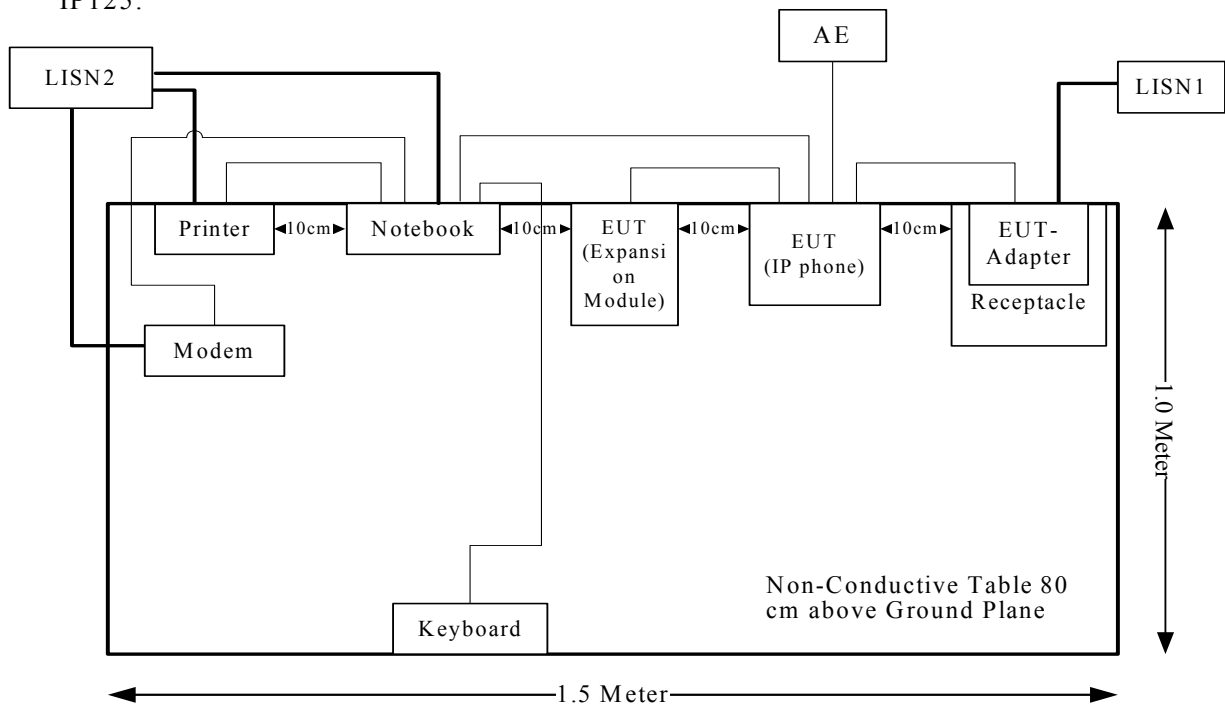
Block Diagram of Test Setup

Test Mode: power supplied from adapter

IP115:

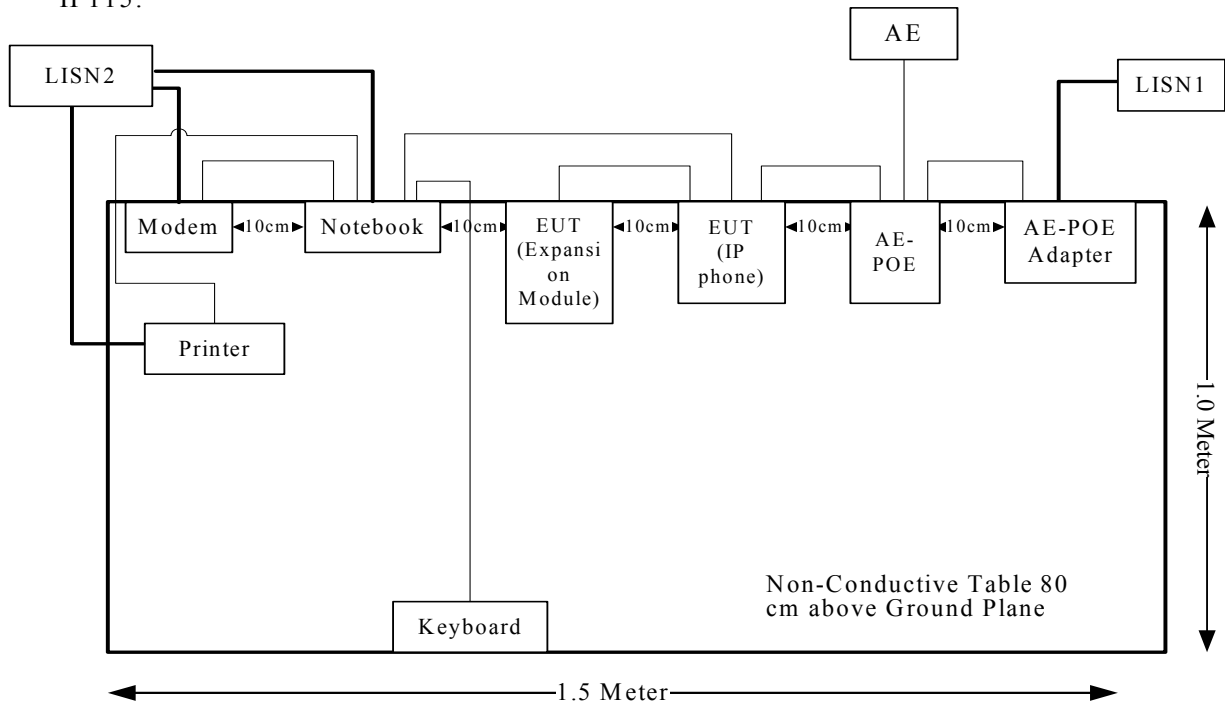


IP125:

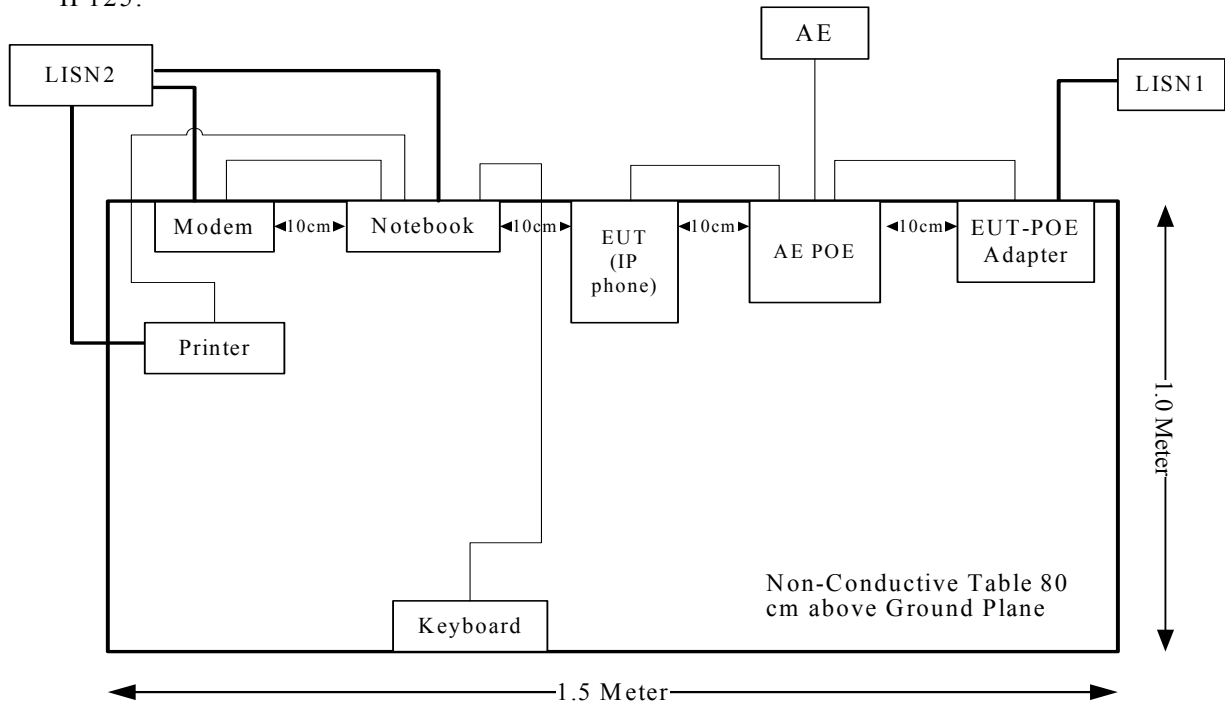


Test Mode: power supplied from POE

IP115:



IP125:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emissions	Compliance
§15.109	Radiated Emissions	Compliance

FCC §15.107 – AC LINE CONDUCTED EMISSIONS

Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} of Table 1, then:

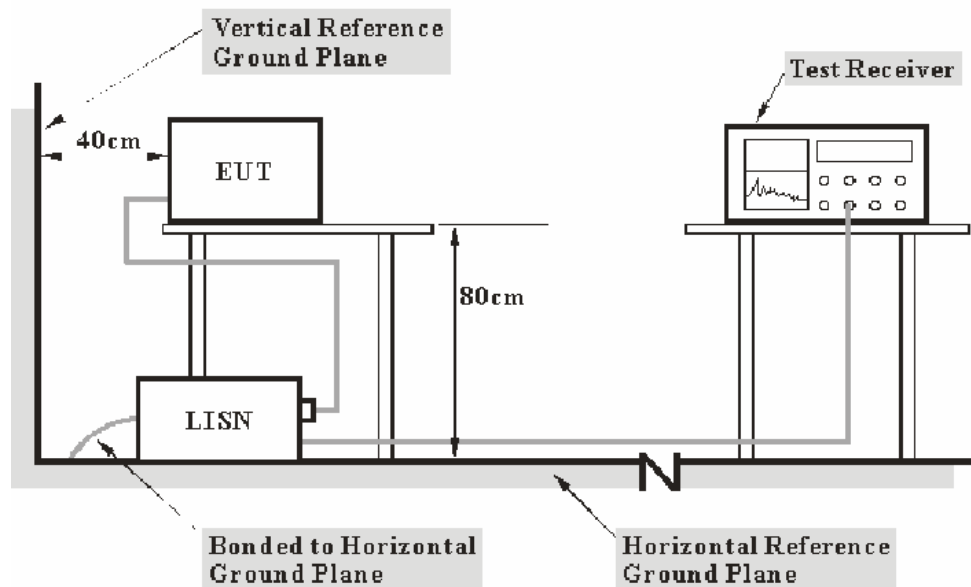
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Based on CISPR 16-4-2: 2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Dongguan) is 3.46 dB (150 kHz to 30 MHz).

Table 1 – Values of U_{cispr}

Measurement	U_{cispr}
Conducted disturbance at mains port using AMN (150 kHz to 30 MHz)	3.4 dB

EUT Setup



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

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.107 Class B limits.

The adapter was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

$$C_f = A_C + VDF$$

Herein,

V_C (cord. Reading): corrected voltage amplitude

V_R : reading voltage amplitude

A_C : attenuation caused by cable loss

VDF: voltage division factor of AMN

C_f : Correction Factor

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI TEST RECEIVER	ESCS 30	830245/006	2012-11-29	2013-11-28
R&S	Two-line V-network	ENV216	3560.6550.12	2013-2-18	2014-2-17
R&S	L.I.S.N	ESH3-Z5	100113	2012-11-29	2013-11-28
BACL	Test Software	BACL-EMC	V1.0-2010	N/A	N/A

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.107, with the worst margin reading of:

10.08 dB at **0.330 MHz** in the **Line** conducted for mode: IP125 power supplied from adapter

7.46 dB at **1.530 MHz** in the **Neutral** conducted for mode: IP125 power supplied from POE

Test Data

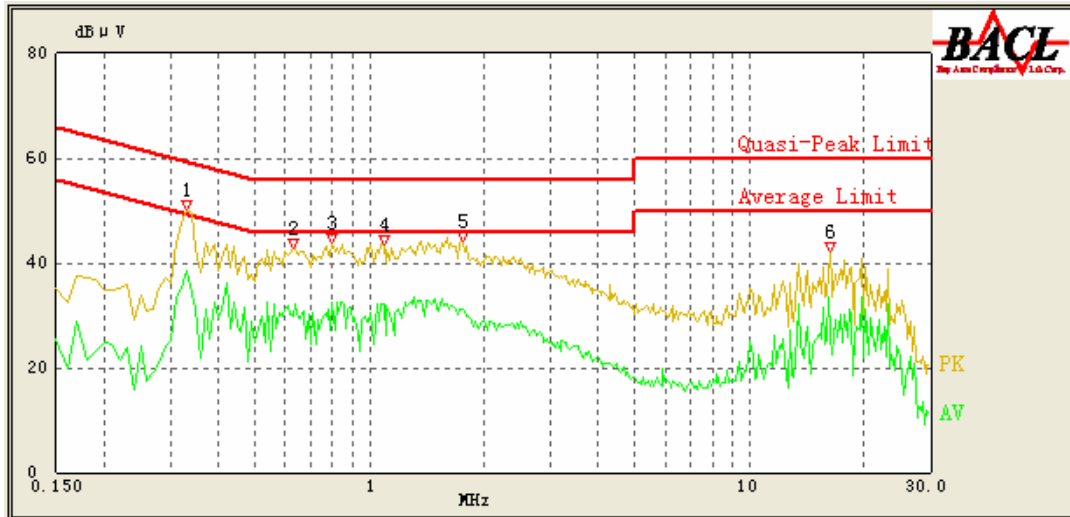
Environmental Conditions

Temperature:	25.2 °C
Relative Humidity:	46 %
ATM Pressure:	101.1 kPa

The testing was performed by Jone Lv on 2013-10-25.

Test Mode: IP125 power supplied from adapter

120 V, 60 Hz, Line:



Frequency (MHz)	Cord. Reading (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/AV/QP)
0.330	47.77	9.69	59.45	11.68	QP
0.330	38.65	9.69	49.45	10.08	AV
0.630	37.95	9.67	56.00	18.05	QP
0.630	29.73	9.67	46.00	16.27	AV
0.800	38.95	9.67	56.00	17.05	QP
0.800	32.45	9.67	46.00	13.55	AV
1.090	39.19	9.68	56.00	16.81	QP
1.090	32.10	9.68	46.00	13.90	AV
1.760	38.25	9.68	56.00	17.75	QP
1.740	31.25	9.68	46.00	14.75	AV
16.230	40.77	9.80	60.00	19.23	QP
16.170	33.45	9.80	50.00	16.55	AV

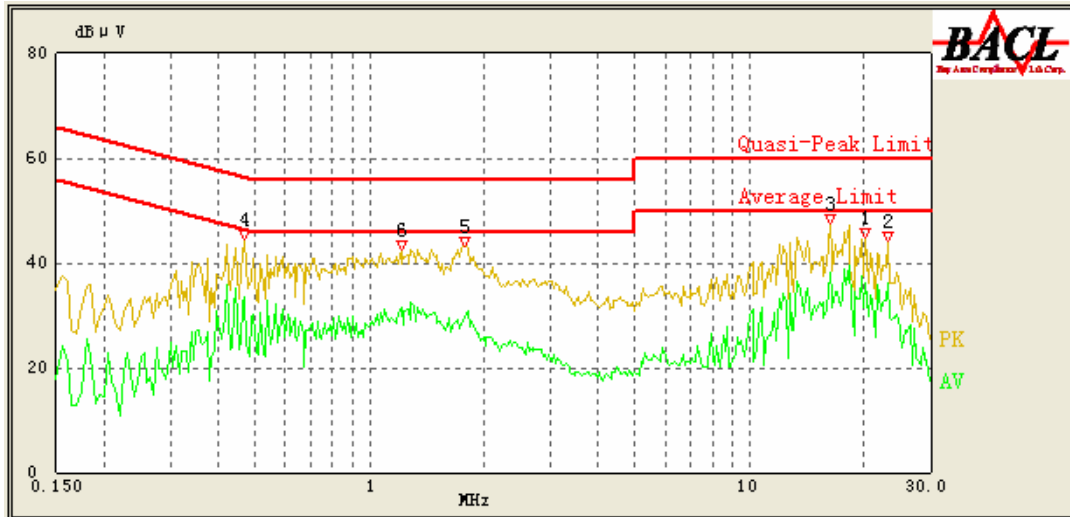
120 V, 60 Hz, Neutral:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.330	41.46	9.68	59.45	17.99	QP
0.330	34.44	9.68	49.45	15.01	AV
1.360	38.00	9.69	56.00	18.00	QP
1.360	32.48	9.69	46.00	13.52	AV
11.590	29.90	9.81	60.00	30.10	QP
11.590	23.63	9.81	50.00	26.37	AV
13.420	35.41	9.83	60.00	24.59	QP
13.480	29.69	9.83	50.00	20.31	AV
16.170	35.24	9.86	60.00	24.76	QP
16.230	31.97	9.86	50.00	18.03	AV
20.260	34.61	9.89	60.00	25.39	QP
20.260	32.40	9.89	50.00	17.60	AV

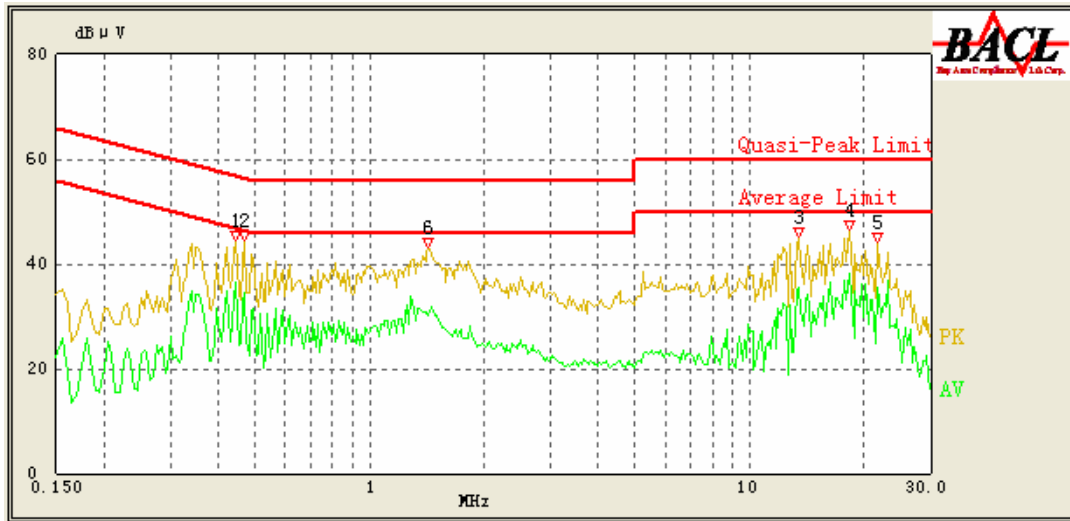
Test model: IP115 power supplied from adapter

120 V, 60 Hz, Line:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
20.260	41.77	9.83	60.00	18.23	QP
20.260	36.02	9.83	50.00	13.98	AV
23.130	41.37	9.81	60.00	18.63	QP
23.130	36.05	9.81	50.00	13.95	AV
16.230	45.30	9.80	60.00	14.70	QP
16.230	38.15	9.80	50.00	11.85	AV
0.470	39.07	9.66	56.51	17.44	QP
0.470	33.51	9.66	46.51	13.00	AV
1.790	36.92	9.68	56.00	19.08	QP
1.790	29.35	9.68	46.00	16.65	AV
1.215	36.14	9.68	56.00	19.86	QP
1.215	31.45	9.68	46.00	14.55	AV

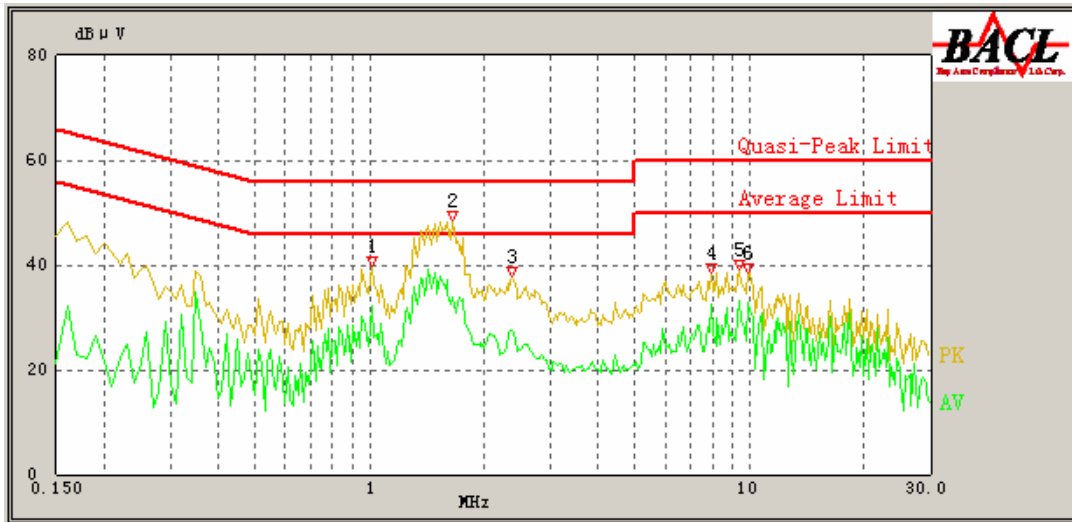
120 V, 60 Hz, Neutral:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.445	41.18	9.67	57.57	16.39	QP
0.445	36.52	9.67	47.57	11.05	AV
0.470	38.98	9.67	56.86	17.88	QP
0.470	34.36	9.67	46.86	12.50	AV
13.420	41.33	9.83	60.00	18.67	QP
13.420	35.46	9.83	50.00	14.54	AV
18.245	43.10	9.88	60.00	16.90	QP
18.245	38.04	9.88	50.00	11.96	AV
21.665	39.38	9.90	60.00	20.62	QP
21.665	35.41	9.90	50.00	14.59	AV
1.430	37.24	9.69	56.00	18.76	QP
1.430	30.05	9.69	46.00	15.95	AV

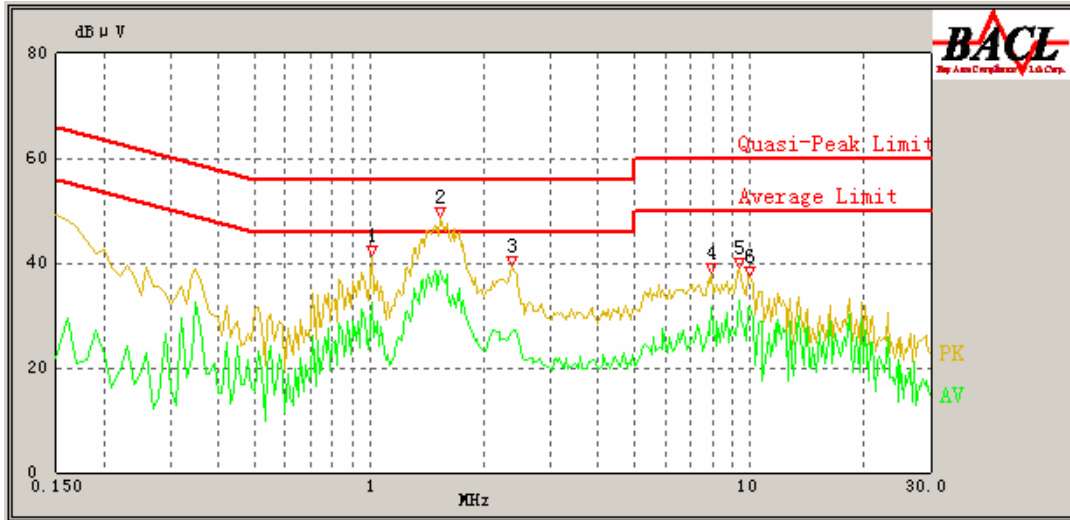
Test Mode: IP125 power supplied from POE

120 V, 60 Hz, Line:



Frequency (MHz)	Cord. Reading (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/AV/QP)
1.020	37.53	9.68	56.00	18.47	QP
1.020	32.14	9.68	46.00	13.86	AV
1.650	43.87	9.68	56.00	12.13	QP
1.650	33.88	9.68	46.00	12.12	AV
2.360	33.18	9.68	56.00	22.82	QP
2.370	27.64	9.68	46.00	18.36	AV
7.920	35.87	9.73	60.00	24.13	QP
7.920	32.63	9.73	50.00	17.37	AV
9.390	36.53	9.77	60.00	23.47	QP
9.390	33.08	9.77	50.00	16.92	AV
9.940	35.40	9.78	60.00	24.60	QP
9.940	32.83	9.78	50.00	17.17	AV

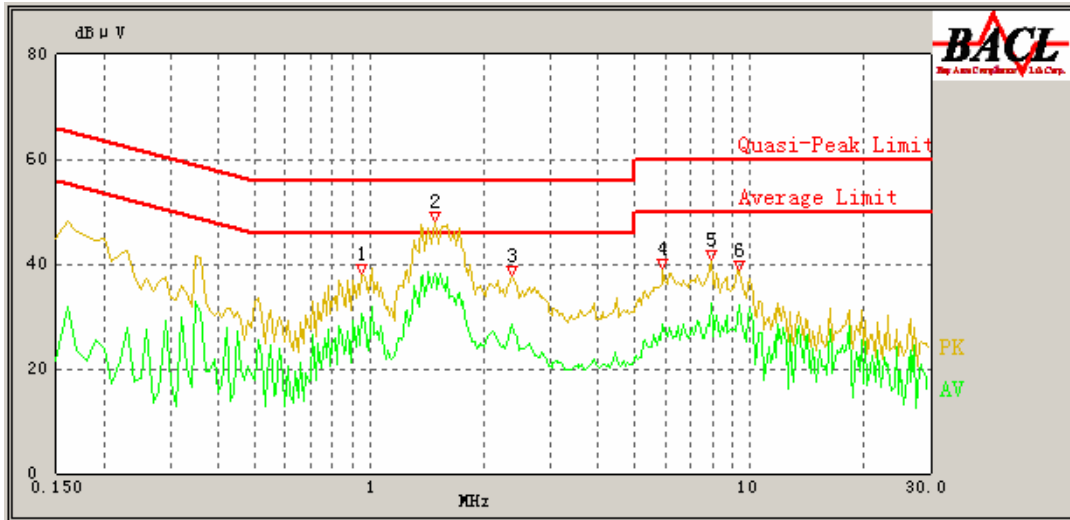
120 V, 60 Hz, Neutral:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
1.020	36.80	9.69	56.00	19.20	QP
1.020	32.40	9.69	46.00	13.60	AV
1.530	45.70	9.68	56.00	10.30	QP
1.530	38.54	9.68	46.00	7.46	AV
2.380	34.24	9.69	56.00	21.76	QP
2.370	26.92	9.69	46.00	19.08	AV
7.920	35.33	9.76	60.00	24.67	QP
7.920	31.43	9.76	50.00	18.57	AV
9.390	36.44	9.78	60.00	23.56	QP
9.390	32.71	9.78	50.00	17.29	AV
10.060	35.15	9.79	60.00	24.85	QP
10.060	31.58	9.79	50.00	18.42	AV

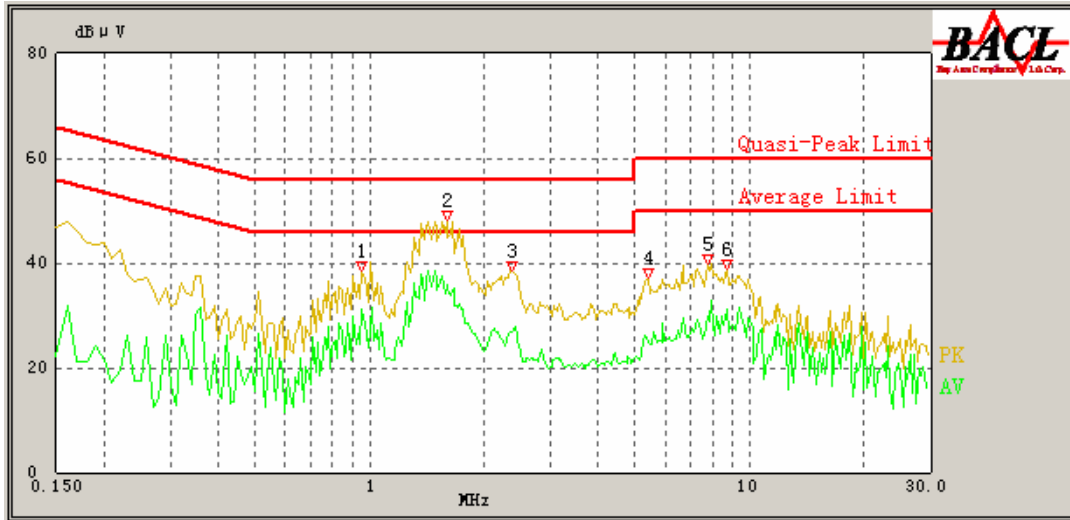
Test model: IP115 Power supplied from POE

120 V, 60 Hz, Line:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.950	36.08	9.68	56.00	19.92	QP
0.950	30.65	9.68	46.00	15.35	AV
1.480	45.60	9.68	56.00	10.40	QP
1.480	38.06	9.68	46.00	7.94	AV
2.360	32.76	9.68	56.00	23.24	QP
2.360	28.37	9.68	46.00	17.63	AV
5.910	34.35	9.71	60.00	25.65	QP
5.910	28.66	9.71	50.00	21.34	AV
7.920	36.71	9.73	60.00	23.29	QP
7.920	32.39	9.73	50.00	17.61	AV
9.390	36.01	9.77	60.00	23.99	QP
9.390	32.10	9.77	50.00	17.90	AV

120 V, 60 Hz, Neutral:



Frequency (MHz)	Cord. Reading (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/AV/QP)
0.950	35.30	9.69	56.00	20.70	QP
0.950	31.03	9.69	46.00	14.97	AV
1.600	45.17	9.68	56.00	10.83	QP
1.600	35.70	9.68	46.00	10.30	AV
2.360	34.28	9.69	56.00	21.72	QP
2.380	26.92	9.69	46.00	19.08	AV
5.420	31.14	9.75	60.00	28.86	QP
5.420	25.20	9.75	50.00	24.80	AV
7.740	34.20	9.76	60.00	25.80	QP
7.740	29.79	9.76	50.00	20.21	AV
8.720	35.73	9.77	60.00	24.27	QP
8.720	31.29	9.77	50.00	18.71	AV

FCC §15.109 - RADIATED EMISSIONS

Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 2, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Based on CISPR 16-4-2: 2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is:

30M~200MHz: 5.0 dB

200M~1GHz: 6.2 dB

1G~6GHz: 4.45 dB

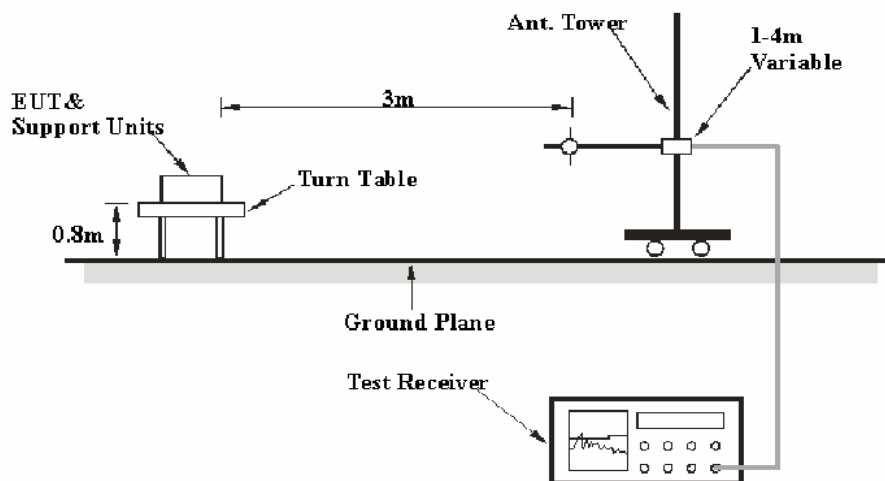
6G~18GHz: 5.23 dB

Table 2 – Values of U_{cispr}

Measurement	U_{cispr}
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

EUT Setup

Below 1 GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC Part 15.109, Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The adapter connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

According to FCC 15.33 requirements, the system was measured from 30 MHz to 1 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Detector
30MHz – 1000 MHz	120 kHz	300 kHz	QP
Above 1 GHz	1MHz	3 MHz	PK
	1MHz	10 Hz	Ave.

Test Procedure

For the radiated emissions test, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in Quasi-peak detection mode for 30 MHz to 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Loss} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI TEST RECEIVER	ESCI	100224	2013-5-6	2014-5-5
Sunol Sciences	Antenna	JB3	A060611-1	2011-9-6	2014-9-5
HP	AMPLIFIER	8447E	2434A02181	N/A	N/A
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.109, Class B, with the worst margin reading of:

2.40 dB at **192.9600 MHz** in the **Vertical** polarization for mode: IP125 power supplied from adapter

2.20 dB at **385.0200 MHz** in the **Horizontal** polarization for mode: IP115 power supplied from POE

Test Data

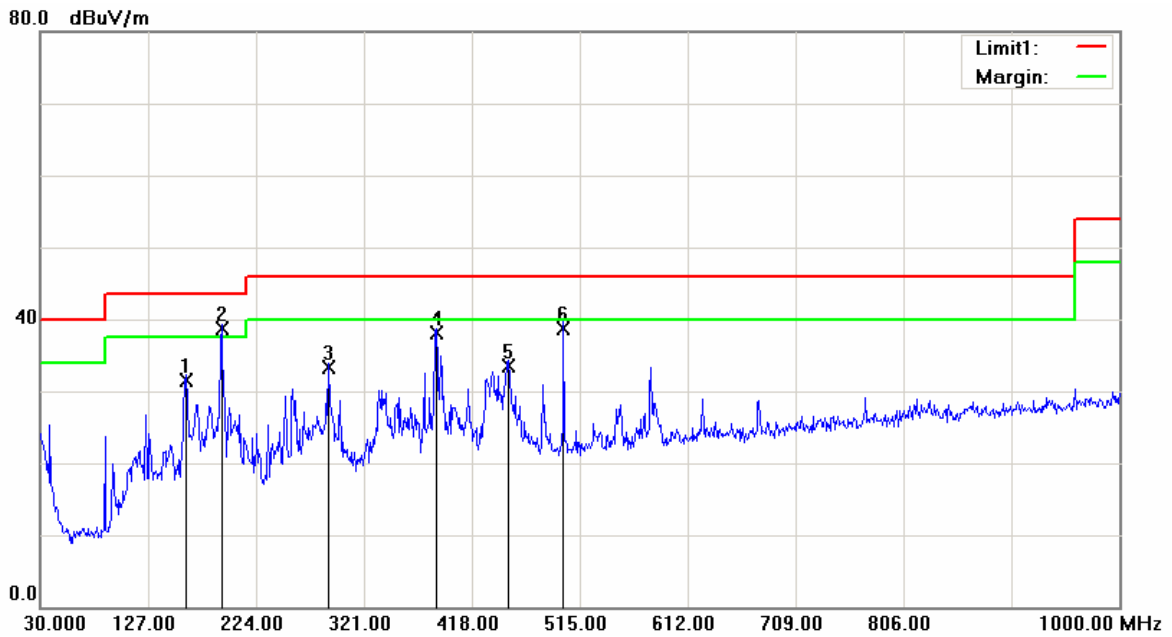
Environmental Conditions

Temperature:	22.8 °C
Relative Humidity:	52 %
ATM Pressure:	101 kPa

The testing was performed by Jone Lv on 2013-10-23.

Test Mode: IP115 power supplied from adapter

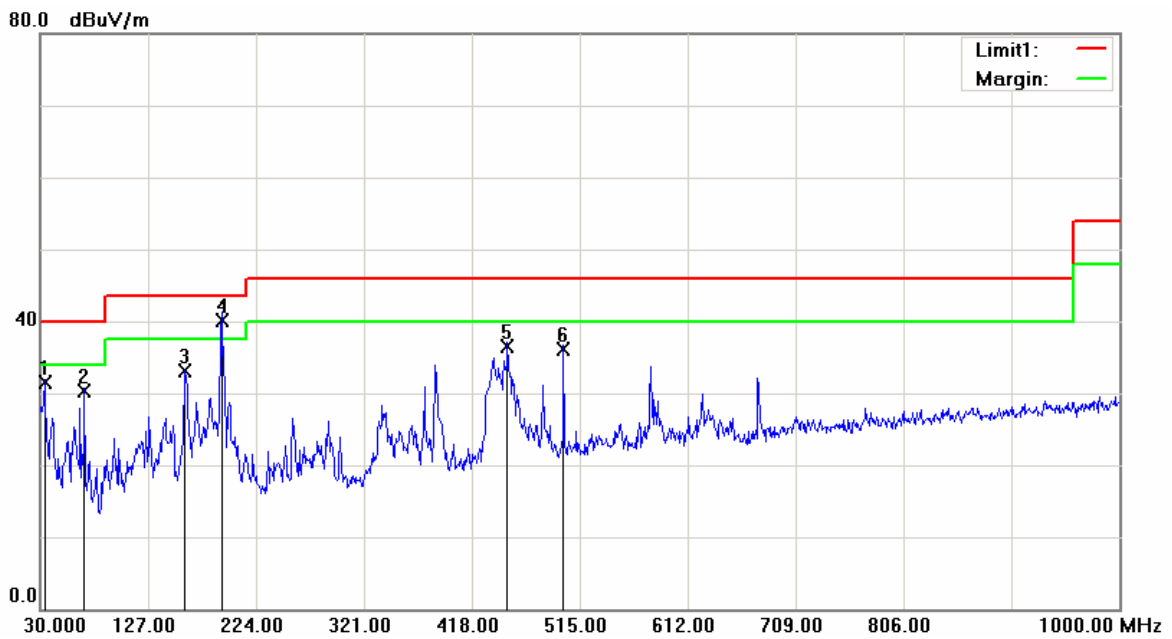
Horizontal:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
160.9500	38.79	QP	-7.29	31.50	43.50	12.00
192.9600	46.92	QP	-8.22	38.70	43.50	4.80*
288.9900	39.10	QP	-5.70	33.40	46.00	12.60
385.9900	41.90	QP	-3.70	38.20	46.00	7.80
450.9800	35.85	QP	-2.25	33.60	46.00	12.40
500.4500	40.19	QP	-1.39	38.80	46.00	7.20

*Within measurement uncertainty!

Vertical:

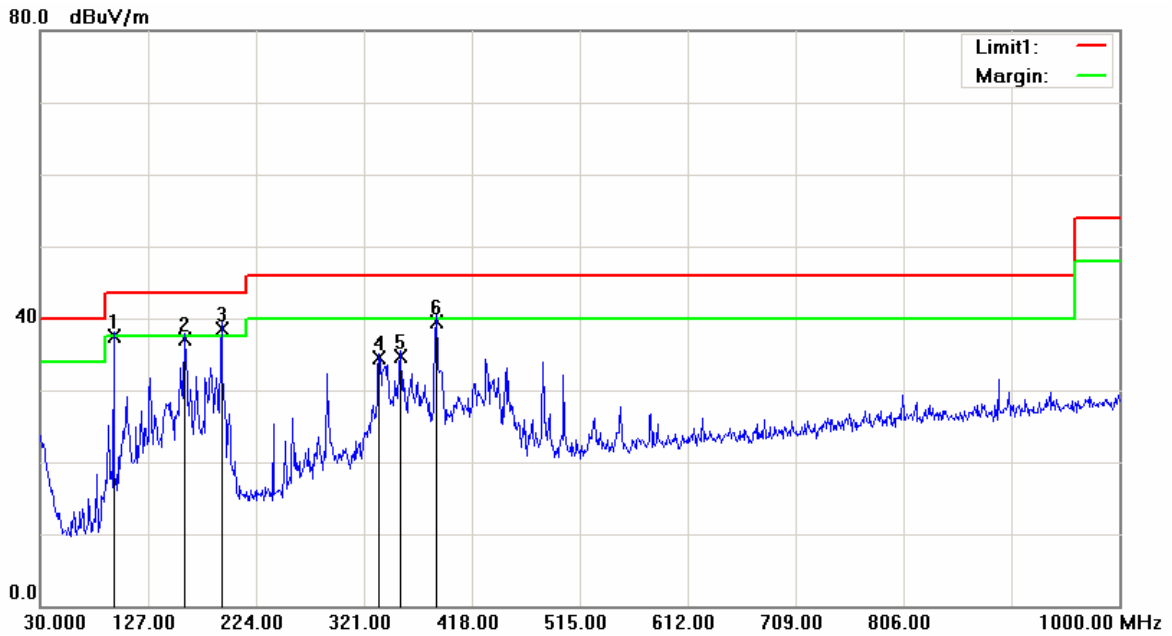


Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
33.8800	32.87	QP	-1.37	31.50	40.00	8.50
69.7700	42.29	QP	-11.99	30.30	40.00	9.70
159.9800	40.34	QP	-7.24	33.10	43.50	10.40
192.9600	48.42	QP	-8.22	40.20	43.50	3.30*
450.0100	38.81	QP	-2.31	36.50	46.00	9.50
500.4500	37.59	QP	-1.39	36.20	46.00	9.80

*Within measurement uncertainty!

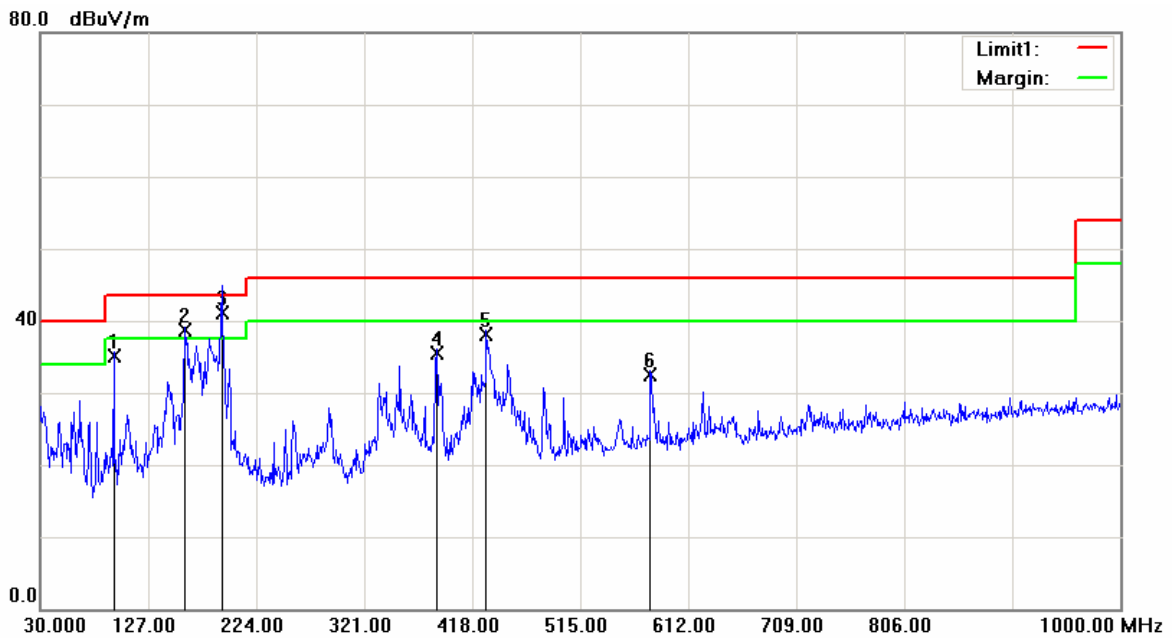
Test model: IP125 power supplied from adapter

Horizontal:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
95.9600	48.49	QP	-10.99	37.50	43.50	6.00
159.9800	44.44	QP	-7.24	37.20	43.50	6.30
192.9600	46.82	QP	-8.22	38.60	43.50	4.90*
334.5800	39.40	QP	-4.90	34.50	46.00	11.50
353.9800	38.98	QP	-4.18	34.80	46.00	11.20
385.9900	43.30	QP	-3.70	39.60	46.00	6.40

Vertical:

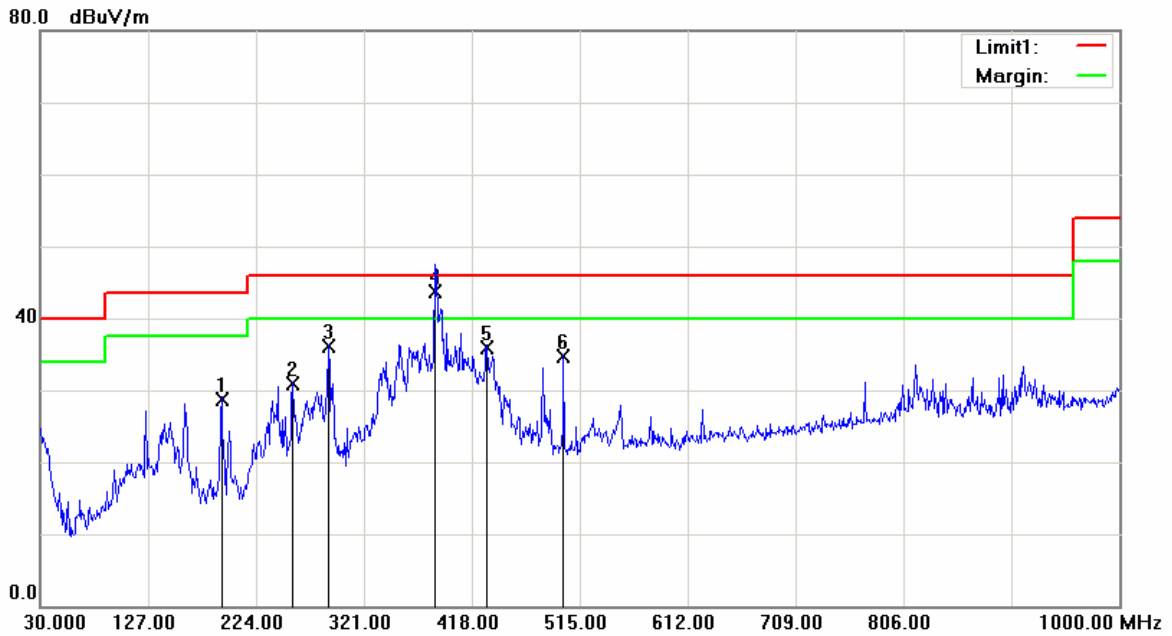


Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
95.9600	46.09	QP	-10.99	35.10	43.50	8.40
159.9800	45.94	QP	-7.24	38.70	43.50	4.80*
192.9600	49.32	QP	-8.22	41.10	43.50	2.40*
385.9900	39.20	QP	-3.70	35.50	46.00	10.50
430.6100	40.93	QP	-2.73	38.20	46.00	7.80
578.0500	32.65	QP	-0.05	32.60	46.00	13.40

*Within measurement uncertainty!

Test Mode: IP115 power supplied from POE

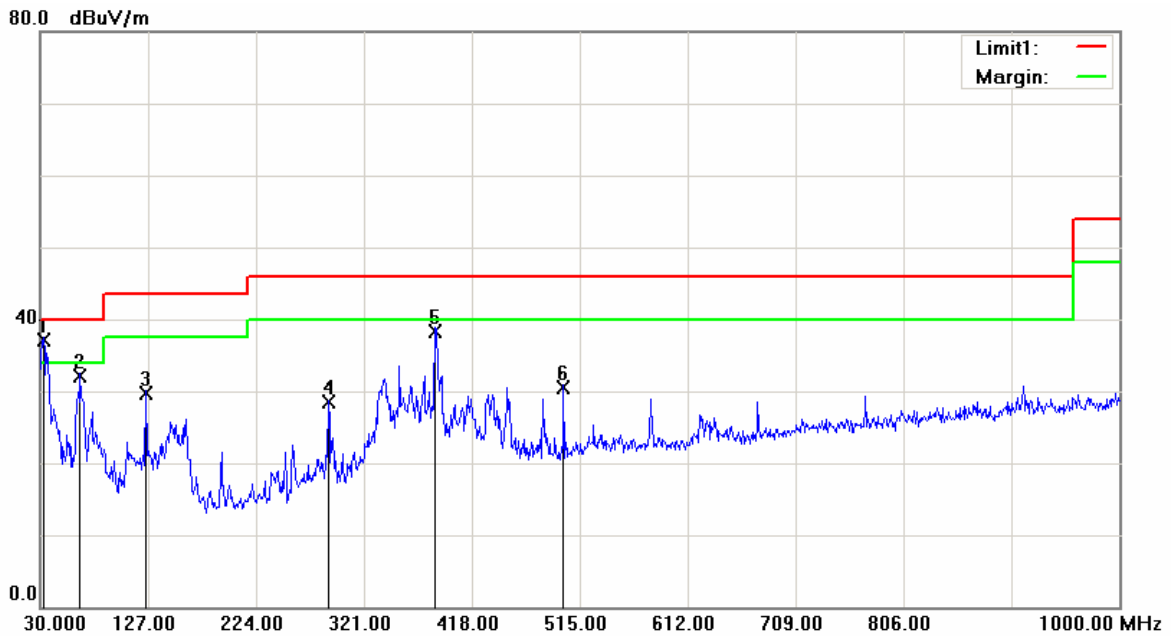
Horizontal:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
192.9600	36.92	QP	-8.22	28.70	43.50	14.80
256.9800	38.21	QP	-7.31	30.90	46.00	15.10
288.9900	41.80	QP	-5.70	36.10	46.00	9.90
385.0200	47.48	QP	-3.68	43.80	46.00	2.20*
431.5800	38.62	QP	-2.72	35.90	46.00	10.10
500.4500	36.09	QP	-1.39	34.70	46.00	11.30

*Within measurement uncertainty!

Vertical:

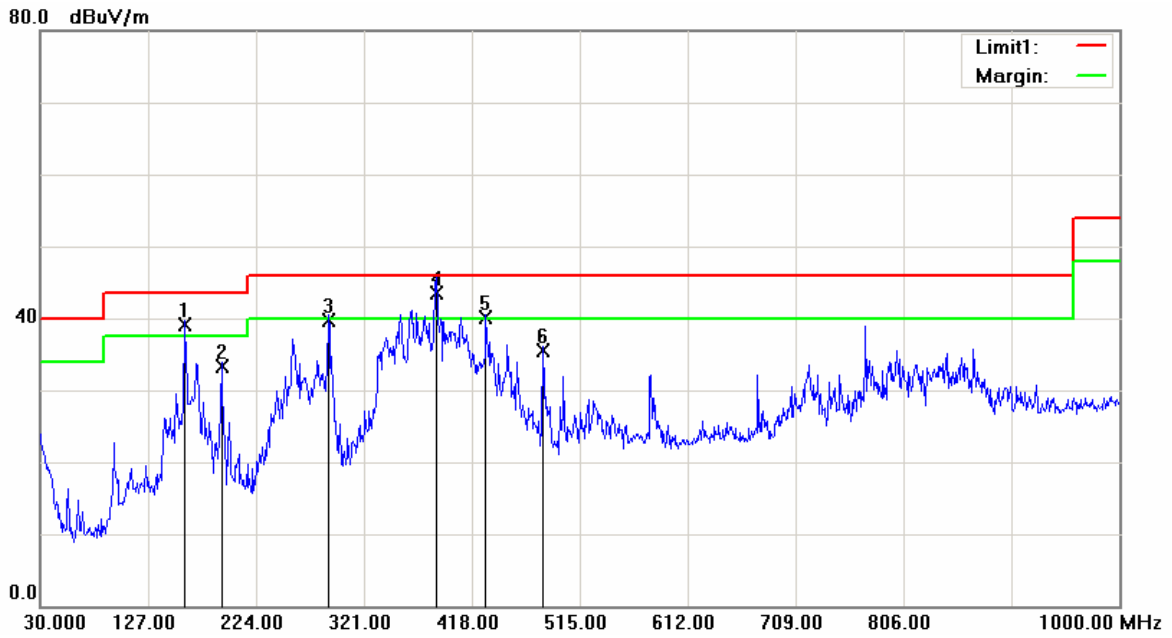


Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
32.9100	37.74	QP	-0.64	37.10	40.00	2.90*
65.8900	44.44	QP	-12.24	32.20	40.00	7.80
125.0600	35.61	QP	-5.81	29.80	43.50	13.70
288.9900	34.20	QP	-5.70	28.50	46.00	17.50
385.0200	42.08	QP	-3.68	38.40	46.00	7.60
500.4500	31.99	QP	-1.39	30.60	46.00	15.40

*Within measurement uncertainty!

Test model: IP125 power supplied from POE

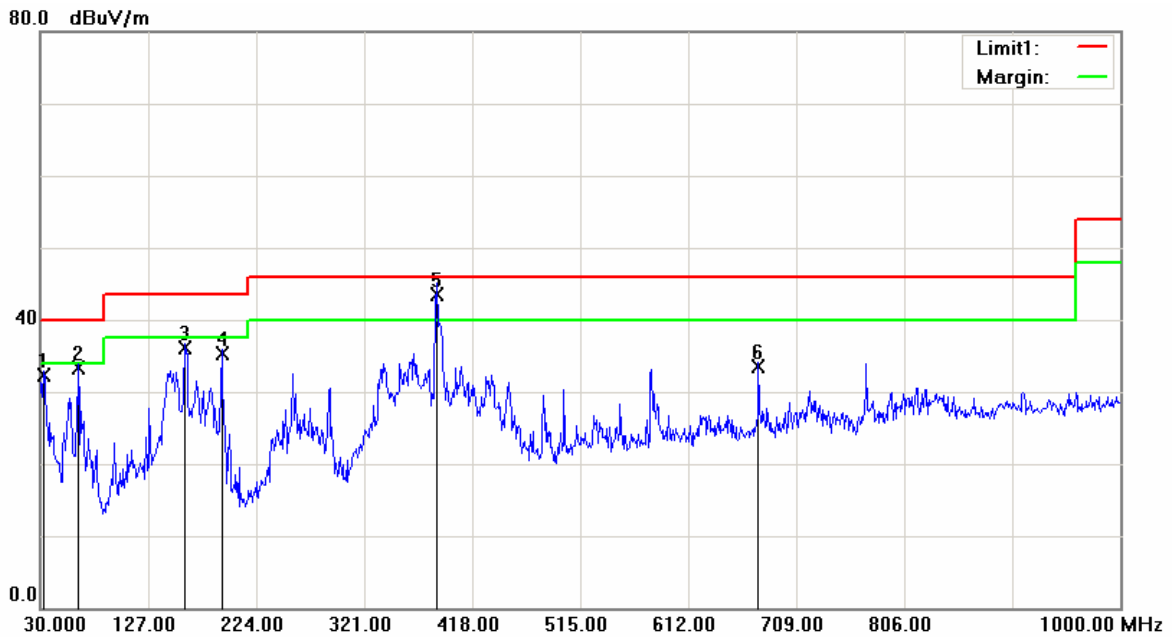
Horizontal:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
159.9800	46.34	QP	-7.24	39.10	43.50	4.40
192.9600	41.52	QP	-8.22	33.30	43.50	10.20
288.9900	45.40	QP	-5.70	39.70	46.00	6.30
385.9900	47.30	QP	-3.70	43.60	46.00	2.40*
430.6100	42.83	QP	-2.73	40.10	46.00	5.90
482.0200	36.88	QP	-1.38	35.50	46.00	10.50

*Within measurement uncertainty!

Vertical:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
32.9100	33.04	QP	-0.64	32.40	40.00	7.60
63.9500	45.95	QP	-12.55	33.40	40.00	6.60
159.9800	43.44	QP	-7.24	36.20	43.50	7.30
192.9600	43.62	QP	-8.22	35.40	43.50	8.10
385.9900	47.30	QP	-3.70	43.60	46.00	2.40 *
675.0500	32.70	QP	0.80	33.50	46.00	12.50

*Within measurement uncertainty!

DECLARATION LETTER**TELEFIELD**

Company name: Telefield Ltd.

Add: Flat D,2/F.,Valiant Industrial Centre, 2-12 Au Pui Wan Street,Fo Tan,N.T.,Hong Kong.

Tel: 852 26052811

Fax: 852 30078968

DECLARATION OF SIMILARITY

Date: 2013-11-12

To:

Bay Area Compliance Laboratories Corp. (Dongguan)

No.69 Pulong Village Puxinhu Industry Zone Tangxia,

Dongguan, China

<http://www.baclcorp.com>

Dear Sir or Madam:

We, Telefield Ltd., hereby declare that product : IP phone, model(s): IP115, IP115XXX-X, IP115-TC, IP115-TCXXX-X, IP115X, IP115X-TC, IP115XX, IP115XX-TC, IP115XXX, IP115XXX-TC, IP125, IP125XXX-X, IP125-TC, IP125-TCXXX-X, IP125X, IP125X-TC, IP125XX, IP125XX-TC, IP125XXX, IP125XXX-TC. A description of the differences between the tested model and those that are declared similar areas follows:

Item #	Model Number	Trade Name	Remarks	Appearance of color	Line key button Expansion module
1	IP115	RCA	Corded BASIC VOIP Phone	Black	2 line key buttons on front cabinet, it can't connect expansion module.
2	IP115-TC	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
3	IP115XXX-X	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
4	IP115-TCXXX-X	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
5	IP115X	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
6	IP115X-TC	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
7	IP115XX	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
8	IP115XX-TC	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
9	IP115XXX	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front

					cabinet, it can't connect expansion module.
10	IP115XXX-TC	RCA	Corded BASIC VOIP Phone	To be advised	2 line key buttons on front cabinet, it can't connect expansion module.
11	IP125	RCA	Corded ADVANCED VOIP Phone	Black	3 line key buttons on front cabinet ,it can connect expansion module .
12	IP125-TC	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
13	IP125XXX-X	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
14	IP125-TCXXX-X	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
15	IP125X	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
16	IP125X-TC	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
17	IP125XX	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
18	IP125XX-TC	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
19	IP125XXX	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .
20	IP125XXX-TC	RCA	Corded ADVANCED VOIP Phone	To be advised	3 line key buttons on front cabinet ,it can connect expansion module .

Note : "X" shall consist of a series of Arabic numerals ,capital letters or a combination thereof .

Please contact me should there be need for any additional clarification or information.

Best Regards
 For and on behalf of
TELEFIELD LTD.


 Responsible ~~Authorized~~ Representative(s)

Ho Wing Cheong
 Senior Engineering Manager

***** END OF REPORT *****