



**FCC 47 CFR PART 15 SUBPART C**

**TEST REPORT**

**FOR**

**Product Name: Micro Traveler 900LS**

**Model : GM-090008/R**

**Trade Name: Genius**

**Issued to**

**KYE SYSTEMS CORP.**

No.492,Sec.5, Chung Hsin Rd., San Chung, Taipei Hsien, 24160, Taiwan, R.O.C.

**Issued by**

**Global Certification Corp.**

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<b>TABLE OF CONTENTS</b>	<b>2</b>
<b>1. GENERAL INFORMATION</b>	<b>3</b>
1.1 DESCRIPTION OF THE TESTED SAMPLES	4
<b>2. TEST METHODOLOGY</b>	<b>5</b>
2.1 GENERAL TEST PROCEDURES	5
2.2 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS	6
2.3 DESCRIPTION OF TEST MODES	6
2.4 DESCRIPTION OF THE SUPPORT EQUIPMENTS	7
<b>3. TEST AND MEASUREMENT EQUIPMENT</b>	<b>8</b>
3.1 CALIBRATION	8
3.2 EQUIPMENT	8
<b>4. SECTION 15.249 REQUIREMENTS (FUNDAMENTAL/ HARMONICS)</b>	<b>10</b>
4.1 TEST SETUP	10
4.2 LIMIT	10
4.3 RESULT: PASSED	10
4.4 TEST DATA:	10
<b>5. SECTION 15.205 REQUIREMENTS (BAND EDGE)</b>	<b>13</b>
5.1 TEST SETUP	13
5.2 LIMIT	13
5.3 RESULT: PASSED	13
5.4 TEST DATA:	14
<b>6. SECTION 15.209 REQUIREMENTS (GENERAL RADIATED EMISSION)</b>	<b>17</b>
6.1 TEST SETUP	17
6.2 LIMIT	18
6.3 TEST PROCEDURE	19
6.4 RESULT: PASSED	19
6.5 TEST DATA:	19
<b>7. SECTION 15.207 REQUIREMENTS (POWERLINE CONDUCTED EMISSIONS)</b>	<b>21</b>
7.1 TEST SETUP	21
7.2 LIMIT	21
7.3 TEST PROCEDURE	22
7.4 TEST SPECIFICATION	22
7.5 RESULT: PASSED	22
7.6 TEST DATA:	22

**APPENDIX 1**

**PHOTOS OF TEST CONFIGURATION**

**APPENDIX 3**

**PHOTOS OF EUT**



## 1. GENERAL INFORMATION

**Applicant** : KYE SYSTEMS CORP.

**Address** : No.492,Sec.5, Chung Hsin Rd., San Chung, Taipei Hsien, 24160, Taiwan, R.O.C.

**Manufacturer** : KYE SYSTEMS CORP.

**Address** : No.492,Sec.5, Chung Hsin Rd., San Chung, Taipei Hsien, 24160, Taiwan, R.O.C.

**EUT** : Micro Traveler 900LS

**Model Name** : GM-090008/R

**Model Differences** : N/A

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.4-2003. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

### FCC part 15 subpart C

Receipt Date : 05/14/2009

Final Test Date : 07/31/2009

Taipei, Taiwan

07.31, 2009

(Place)

(Date)

Alex Chou / Manager

(Signature)

Designation Number: TW1030



## 1.1 DESCRIPTION OF THE TESTED SAMPLES

Model Number : GM-090008/R  
FCC ID : FSUGMZIV  
Input Voltage : ☒ DC 5 V  
Power From ☒ Inside ☐ Outside  
☐ Adaptor ☐ BATTERY ☐ Power Supply ☒ DC Power Source  
☐ Support Unit PC  
Operate Frequency : Refer to the channel list as described below  
Modulation Technique : GFSK  
Number of Channels : 79  
Channel spacing : ☐ N/A ☒ 1 MHz  
Operating Mode : ☐ Simplex ☒ Duplex  
Antenna Type : ☒ integral antenna ☐ a dedicated antenna  
Antenna gain : -3dBi

Channels	Frequencies (MHz)	Channels	Frequencies (MHz)
0	2402	40	2442
1	2403	41	2443
2	2404	42	2444
3	2405	43	2445
4	2406	44	2446
5	2407	45	2447
6	2408	46	2448
7	2409	47	2449
8	2410	48	2450
9	2411	49	2451
10	2412	50	2452
11	2413	51	2453
12	2414	52	2454
13	2415	53	2455
14	2416	54	2456
15	2417	55	2457
16	2418	56	2458
17	2419	57	2459
18	2420	58	2460
19	2421	59	2461
20	2422	60	2462
21	2423	61	2463
22	2424	62	2464



23	2425	63	2465
24	2426	64	2466
25	2427	65	2467
26	2428	66	2468
27	2429	67	2469
28	2430	68	2470
29	2431	69	2471
30	2432	70	2472
31	2433	71	2473
32	2434	72	2474
33	2435	73	2475
34	2436	74	2476
35	2437	75	2477
36	2438	76	2478
37	2439	77	2479
38	2440	78	2480
39	2441		

## **2. TEST METHODOLOGY**

All testing as described bellowed were performed in accordance with ANSI C63.4:2003 and FCC CFR 47 Part 15 Subpart C.

### **2.1 GENERAL TEST PROCEDURES**

#### **Conducted Emissions**

The EUT is placed on a wood table, which is at 0.8 m above ground plane acceding to clause 15.207 and requirements of ANSI C63.4. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz are using CISPR Quasi-Peak / Average detectors.

#### **Radiated Emissions**

The EUT is a placed on a turn table, which is 0.8 m above ground plane. The turntable was rotated through 360 degrees to determine the position of maximum emission level. The EUT is placed at 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.



## 2.2 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
10.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup> Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

## 2.3 DESCRIPTION OF TEST MODES

The EUT was tested under following modes:

### Modes:

**Continuous transmitting mode**

### Channels:

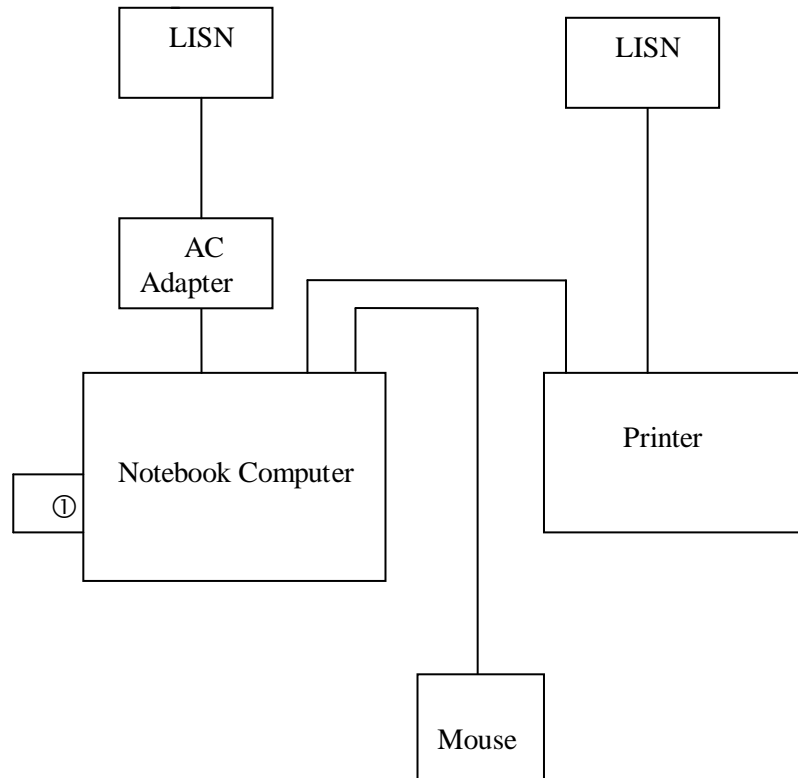
1. **2.402GHz** (Lowest Channel)
2. **2.448GHz** (Middle Channel)
3. **2.480GHz** (Highest Channel)



## 2.4 DESCRIPTION OF THE SUPPORT EQUIPMENTS

### Setup Diagram

See test photographs attached in appendix 1 for the actual connections between EUT and support equipment.



① EUT

### Support Equipment

Peripherals Devices:

OUTSIDE SUPPORT EQUIPMENT							
No.	Equipment	Model	Serial No.	FCC ID/ BSMI ID	Trade name	Data Cable	Power Cord
1.	Notebook Computer	NOM-018	00-06-1B- DF87-D7	R33026	IBM	Unshielded 1.0M	Unshielded 1.8M
2	PRINTER	PHOTO750	BDEK017 629	/3872P01 1	EPSON	Shielded 1.8M	Unshielded 1.8M
3	PRINTER	C2164A	ES656120 HF	B94C2164 X	HEWLETT PACKARD	Shielded 1.7M	Unshielded 1.8M
4	MOUSE	MO28UOL	44Q3831	R41108	lenovo	Shielded 1.8M/USB	N/A

**Note:** All the above equipment /cable were placed in worse case position to maximize emission signals during emission test

**Grounding:** Grounding was in accordance with the manufacturer's requirement and conditions for the intended use.



### **3. TEST AND MEASUREMENT EQUIPMENT**

#### **3.1 CALIBRATION**

The measuring equipment utilized to perform the tests documented in the report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

#### **3.2 EQUIPMENT**

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and. Other required standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective.

**TABLE 1 LIST OF TEST AND MEASUREMENT EQUIPMENT**

Instrument	Manufacturer	Model No.	Serial No.	Calibration Due Date	Note
EMC Test Receiver	R&S	ESCI	100438	Jun.08.2010	
LISN	SCHAFFNER	NNB41	03/10015	Sep. 23. 2010	
LISN	EMCO	3825/2	9001-1589	Sep. 23. 2010	
RF Cable	Huber+Suhner	RG223/U	001	May. 29. 2010	
50ohm Terminal	N/A	50Ω	QC-TM001	Sep. 24. 2011	
Impedance Stabilization	Teseq GmbH	ISN T8	23334	DEC. 20. 2009	
Test Receiver	AFJ	ER55R	55300508277	May.20.2010	
Bilog Antenna	SUNOL	JB1	A052104	SEP.30.2010	
Turn table	EMCO	2080	9508-1805	N/A	
Controller	EMCO	2090	9804-1328	N/A	
Amplifier	G.W	GAP-801	EF150001	Jul.18.2010	
Amplifier	Schwarzbeck	BBV 9718	9718-008	Aug. 10.2010	





EMC Analyzer	AGILENT	E7401A	MY42000145	May.23.2010	
Spectrum Analyzer	NEX1	Ns-265	5044006	Aug.8.2010	
RF Cable	BELDEN	RG-8/U	E037	Jun.07.2010	
RF Cable	Huber Suhner	SUCOFLEX 104	293864/4	Nov. 13.2009	
Thermo-Hygro meter	WISEWIND	4-IN-1	0412	Apr.10.2010	
Loop Antenna	Teseq GmbH	HLA 6120	26439	Sep. 11.2010	
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-491	Aug. 05.2010	

※ Calibration interval of instruments listed above is one year



#### **4. SECTION 15.249 REQUIREMENTS (FUNDAMENTAL/ HARMONICS)**

##### **4.1 TEST SETUP**

Refer to paragraph 6.1.

##### **4.2 LIMIT**

<b>Fundamental Frequency (MHz)</b>	<b>Field Strength of Fundamental (dB<math>\mu</math>V/m at 3-meter)</b>	<b>Detector</b>
902 - 928 2400 – 2483 5725 - 5875	114	Peak
902 - 928 2400 – 2483 5725 - 5875	94	AV

<b>Fundamental Frequency (MHz)</b>	<b>Field Strength of Harmonics (dB<math>\mu</math>V/m at 3-meter)</b>	<b>Detector</b>
902 - 928 2400 – 2483 5725 - 5875	74	Peak
902 - 928 2400 – 2483 5725 - 5875	54	AV

##### **4.3 RESULT: PASSED**

##### **4.4 TEST DATA:**



**Fundamental**

Frequency (MHz)	Ant. Polarization	Reading (dB $\mu$ V)	Correction factor(dB)	Emission (dB $\mu$ V/m)	Peak Limit (dB $\mu$ V/m)	AV Limit (dB $\mu$ V/m)	Detector
2402.32	H	85.22	6.44	78.78	114	94	Peak
2402.35	V	82.92	6.44	76.48	114	94	Peak
2448.37	H	83.92	6.05	77.87	114	94	Peak
2447.95	V	79.92	6.05	73.87	114	94	Peak
2480.34	H	83.77	5.76	78.01	114	94	Peak
2479.80	V	81.01	5.76	75.25	114	94	Peak

Note:

1. Emission level = Reading level – Correction factor
2. Correction factor : Antenna factor, Cable loss, PreAmp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements above 1000 MHz, Peak detector setting: use a 1 MHz RBW, a 1 MHz VBW.
5. Measurements above 1000 MHz, Average detector setting: 1 MHz RBW with 10 Hz VBW
6. Peak detector measurement data will represent the worst case results.

**Harmonics -Lowest Channel**

<u>Frequency</u> (MHz)	<u>Ant.</u> <u>Polarization</u>	<u>Reading</u> (dB $\mu$ V)	<u>Correction</u> factor(dB)	<u>Emission</u> (dB $\mu$ V/m)	<u>Peak Limit</u> (dB $\mu$ V/m)	<u>AV Limit</u> (dB $\mu$ V/m)	<u>Detector</u>
4825.00	H	43.12	-0.95	44.07	74	54	Peak
7210.00	H	38.59	-7.31	45.90	74	54	Peak
9610.00	H	41.64	-10.5	52.14	74	54	Peak
4930.00	V	42.56	-1.04	43.60	74	54	Peak
7240.00	V	42.97	-7.53	50.50	74	54	Peak
9760.00	V	42.28	-10.77	53.05	74	54	Peak

**Harmonics –Middle Channel**

<u>Frequency</u> (MHz)	<u>Ant.</u> <u>Polarization</u>	<u>Reading</u> (dB $\mu$ V)	<u>Correction</u> factor(dB)	<u>Emission</u> (dB $\mu$ V/m)	<u>Peak Limit</u> (dB $\mu$ V/m)	<u>AV Limit</u> (dB $\mu$ V/m)	<u>Detector</u>
4990.00	H	42.36	-1.09	43.45	74	54	Peak
7427.50	H	40.03	-8.88	48.91	74	54	Peak
9760.00	H	42.22	-10.77	52.99	74	54	Peak
4892.50	V	41.53	-1.01	42.54	74	54	Peak
7330.00	V	40.95	-8.17	49.12	74	54	Peak
9790.00	V	41.67	-10.82	52.49	74	54	Peak

**Harmonics –Highest Channel**

<u>Frequency</u> (MHz)	<u>Ant.</u> <u>Polarization</u>	<u>Reading</u> (dB $\mu$ V)	<u>Correction</u> factor(dB)	<u>Emission</u> (dB $\mu$ V/m)	<u>Peak Limit</u> (dB $\mu$ V/m)	<u>AV Limit</u> (dB $\mu$ V/m)	<u>Detector</u>
4967.50	H	40.00	-1.07	41.07	74	54	Peak
7345.00	H	38.50	-8.93	47.43	74	54	Peak
9910.00	H	40.61	-11.04	51.65	74	54	Peak
4960.00	V	43.22	-1.07	44.29	74	54	Peak
7420.00	V	41.77	-8.83	50.60	74	54	Peak
9925.00	V	40.10	-11.05	51.15	74	54	Peak

Note:

1. Emission level = Reading level – Correction factor
2. Correction factor : Antenna factor, Cable loss, PreAmp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements above 1000 MHz, Peak detector setting: use a 1 MHz RBW, a 1 MHz VBW.
5. Measurements above 1000 MHz, Average detector setting: 1 MHz RBW with 10 Hz VBW
6. Peak detector measurement data will represent the worst case results.



## 5. SECTION 15.205 REQUIREMENTS (BAND EDGE)

### 5.1 TEST SETUP

Refer to paragraph 6.1.

### 5.2 LIMIT

Restricted Bands:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

Frequency (MHz)	Field Strength ( $\mu\text{V/m}$ at 3-meter)	Field Strength (dB $\mu\text{V/m}$ at 3-meter)
1.705-30	30 (at 30-meter)	29.5#
30-88	100	40
88-216	150	43
216-960	200	46
Above 960	500	54

# : The Measurement Distance is at 30 meters.

### 5.3 RESULT: PASSED

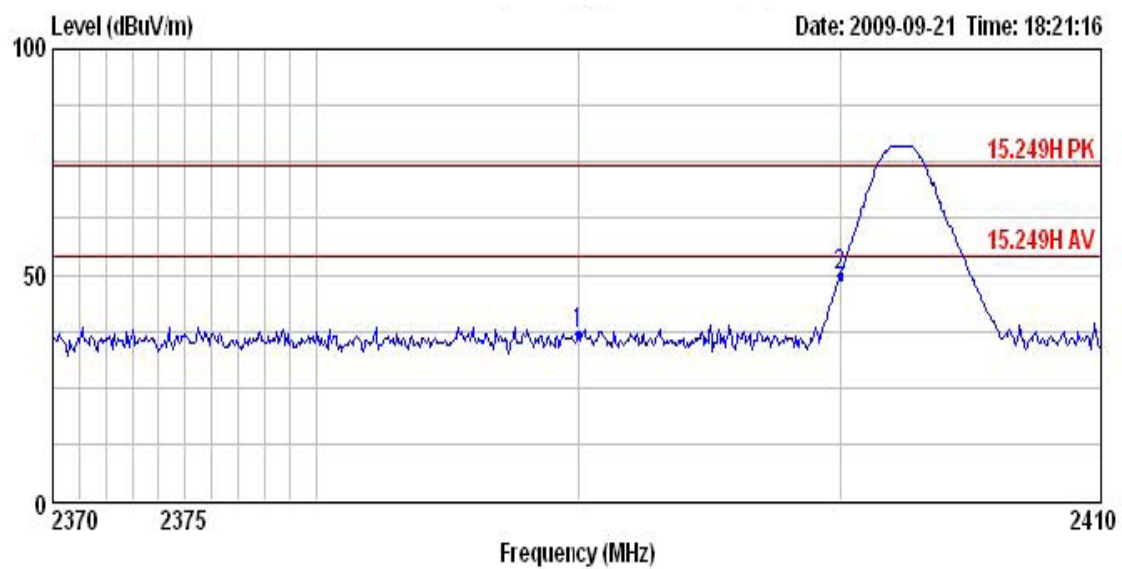


## 5.4 TEST DATA:

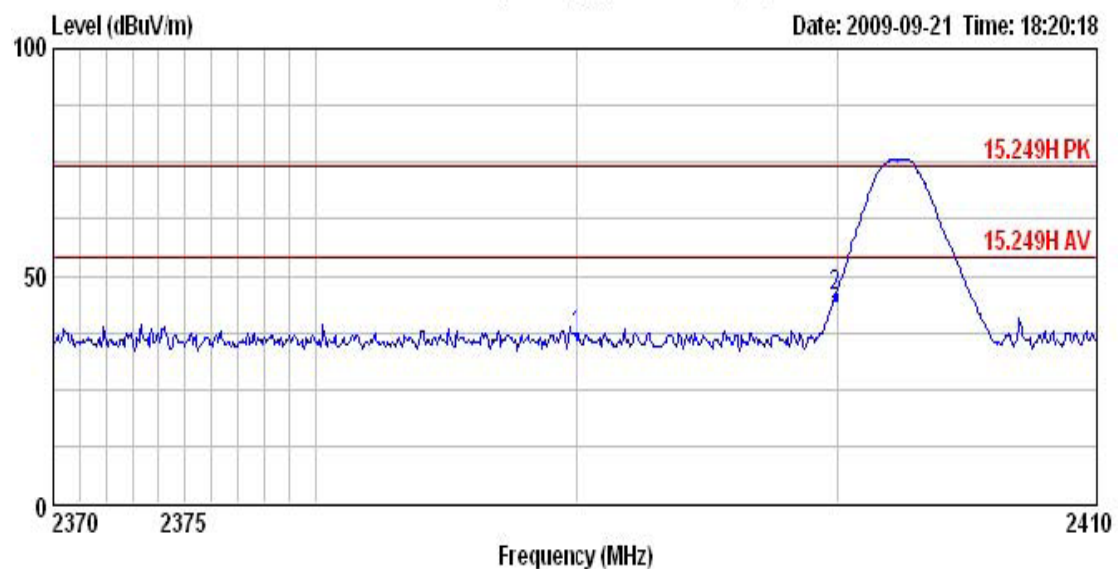
### Lowest Channel

Frequency (MHz)	Ant. Polarization	Reading (dB $\mu$ V)	Correction factor(dB)	Emission (dB $\mu$ V/m)	Peak Limit (dB $\mu$ V/m)	AV Limit (dB $\mu$ V/m)	Detector
2390.00	H	43.19	6.54	36.65	74	54	Peak
2400.00	H	56.03	6.46	49.57	74	54	Peak
2390.00	V	43.24	6.54	36.70	74	54	Peak
2400.00	V	53.56	6.46	47.10	74	54	Peak

### Horizontal



### Vertical

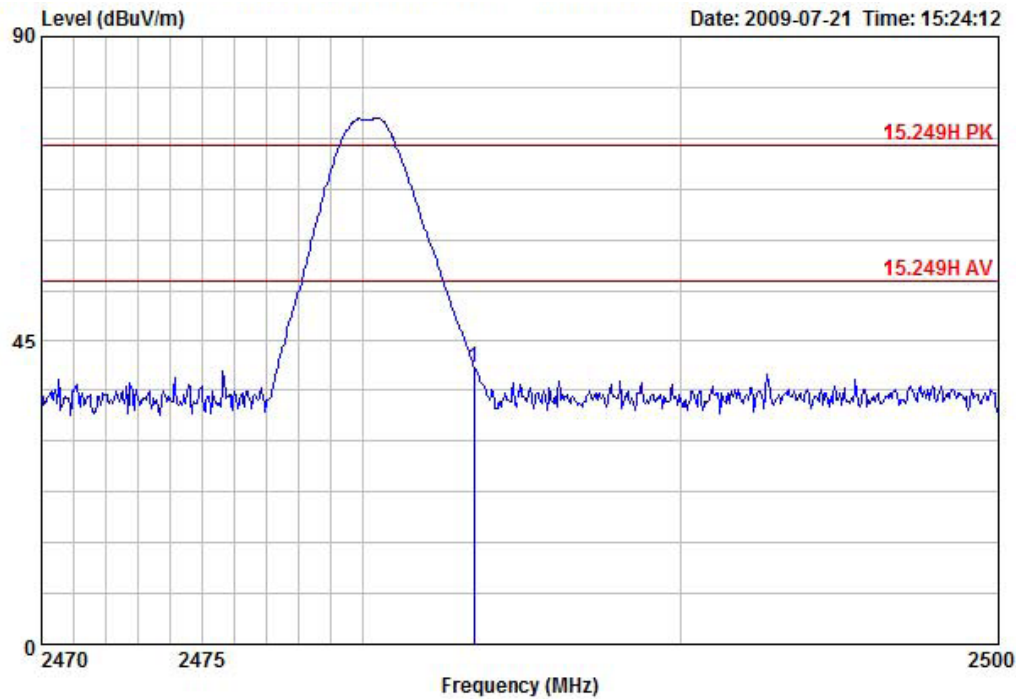




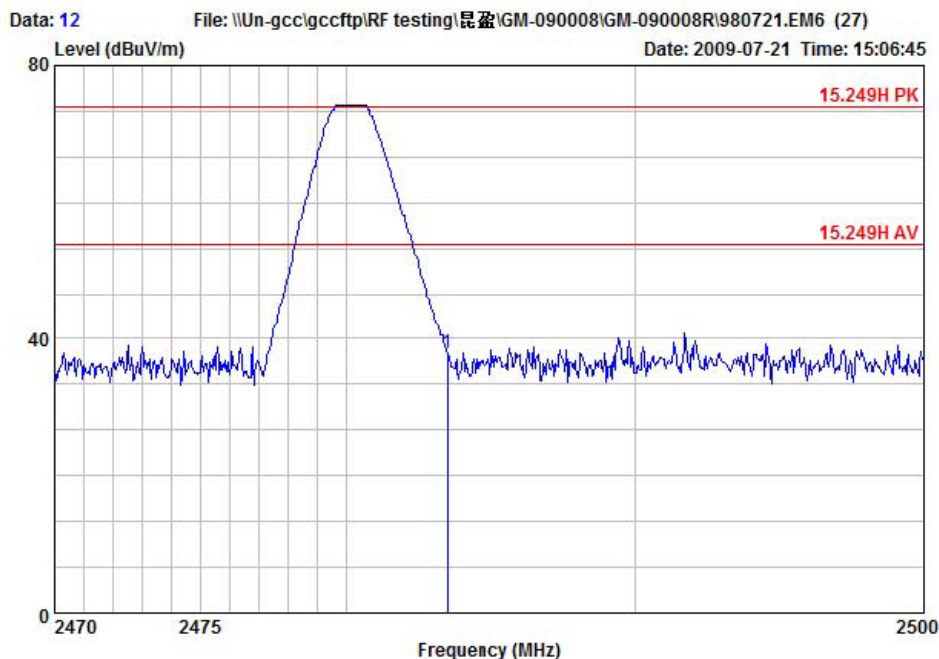
Highest Channel

Frequency (MHz)	Ant. Polarization	Reading (dBμ V)	Correction factor(dB)	Emission (dBμ V/m)	Peak Limit (dBμ V/m)	AV Limit (dBμ V/m)	Detector
2483.50	H	46.55	5.74	40.81	74	54	Peak
2483.50	V	43.53	5.74	37.79	74	54	Peak

**Horizontal**



**Vertical**





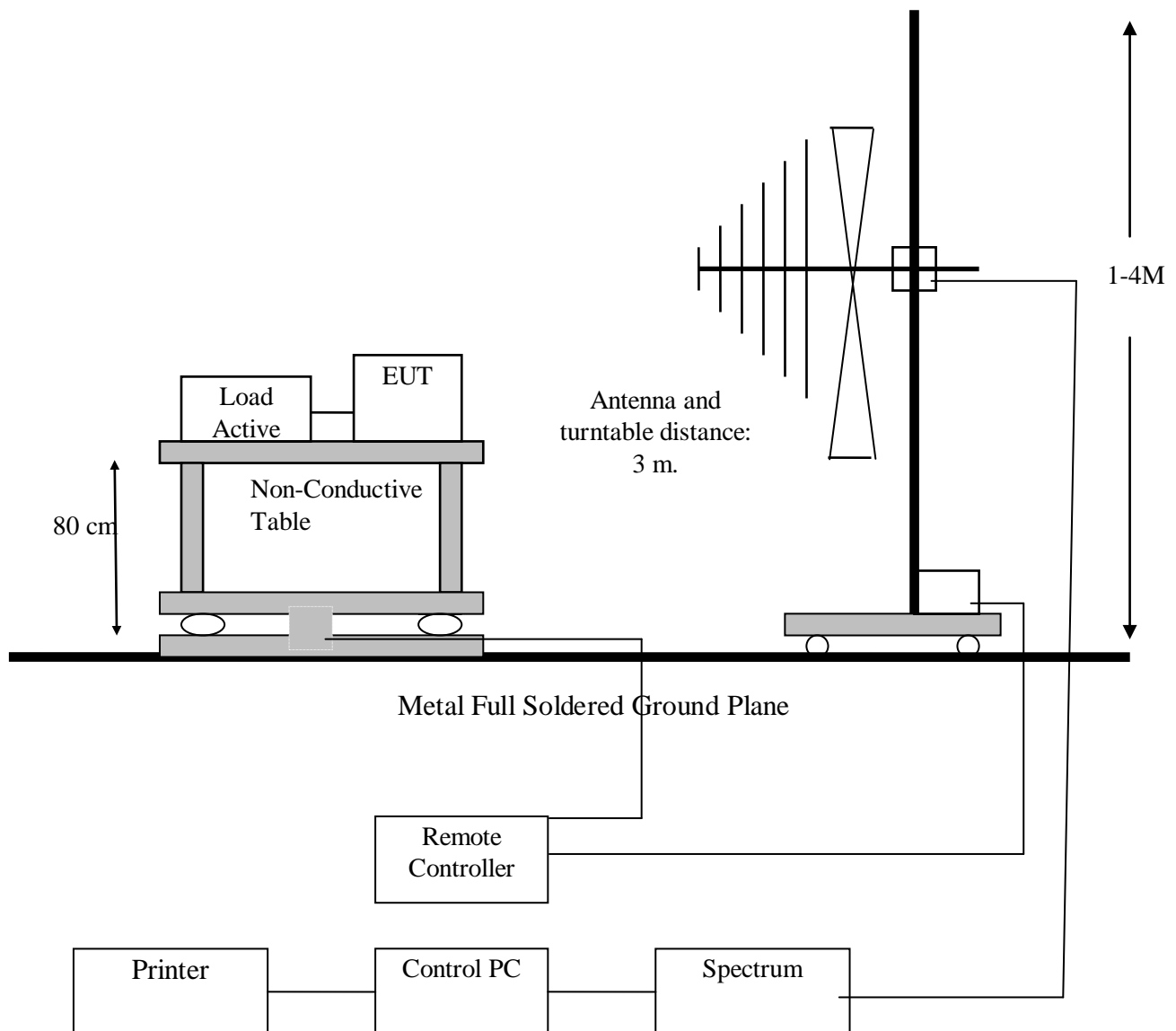
Note:

1. Emission level = Reading level – Correction factor
2. Correction factor : Antenna factor, Cable loss, PreAmp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements above 1000 MHz, Peak detector setting: use a 1 MHz RBW, a 1 MHz VBW.
5. Measurements above 1000 MHz, Average detector setting: 1 MHz RBW with 10 Hz VBW
6. Peak detector measurement data will represent the worst case results.



## 6. SECTION 15.209 REQUIREMENTS (GENERAL RADIATED EMISSION)

### 6.1 TEST SETUP





## 6.2 LIMIT

The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in section 15.209 as below.

Frequency (MHz)	Field Strength (mV/m)	Measurement Distance (m)
1.705-30	30	30
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500*	3

*\*Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.*

*In the above emission table, the tighter limit applies at the band edges.*

Frequency (Hz)	Field Strength ( $\mu$ V/m at 3-meter)	Field Strength (dB $\mu$ V/m at 3-meter)
1.705-30	30 (at 30-meter)	29.5#
30-88	100	40
88-216	150	43
216-960	200	46
Above 960	500	54

# : The Measurement Distance is at 30 meters.



### **6.3 TEST PROCEDURE**

1. The EUT was placed on a turntable, which was 0.8m above ground plane.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT was set at 3m away from the receiving antenna, which was varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was maximized by changing the polarization of receiving antenna, both horizontal and vertical.
6. Repeated above procedures until the measurements for all frequencies are completed.

### **6.4 RESULT: PASSED**

### **6.5 TEST DATA:**

All frequencies not described in this test report and within the range of the general radiated emission limits are not detectable significantly. The table as below is representing worst emissions found.

Lowest Channel (worst emissions found)

<u>Frequency</u> (MHz)	<u>Ant.</u> <u>Polarization</u>	<u>Reading</u> (dB $\mu$ V)	<u>Correction</u> <u>factor(dB)</u>	<u>Emission</u> (dB $\mu$ V/m)	<u>Limit</u> (dB $\mu$ V/m)
236.12	H	52.18	15.62	36.56	46
248.25	H	53.63	14.99	38.64	46
398.60	H	56.55	12.53	44.02	46
531.97	H	47.49	13.39	34.10	46
662.92	H	44.68	8.99	35.69	46
796.30	H	47.43	12.33	35.10	46
228.85	V	56.55	17.26	39.29	46
267.65	V	55.56	16.00	39.56	46
456.80	V	52.90	14.42	38.48	46
531.97	V	53.92	13.39	40.53	46
665.35	V	50.59	8.98	41.61	46
978.17	V	40.85	5.32	35.53	54



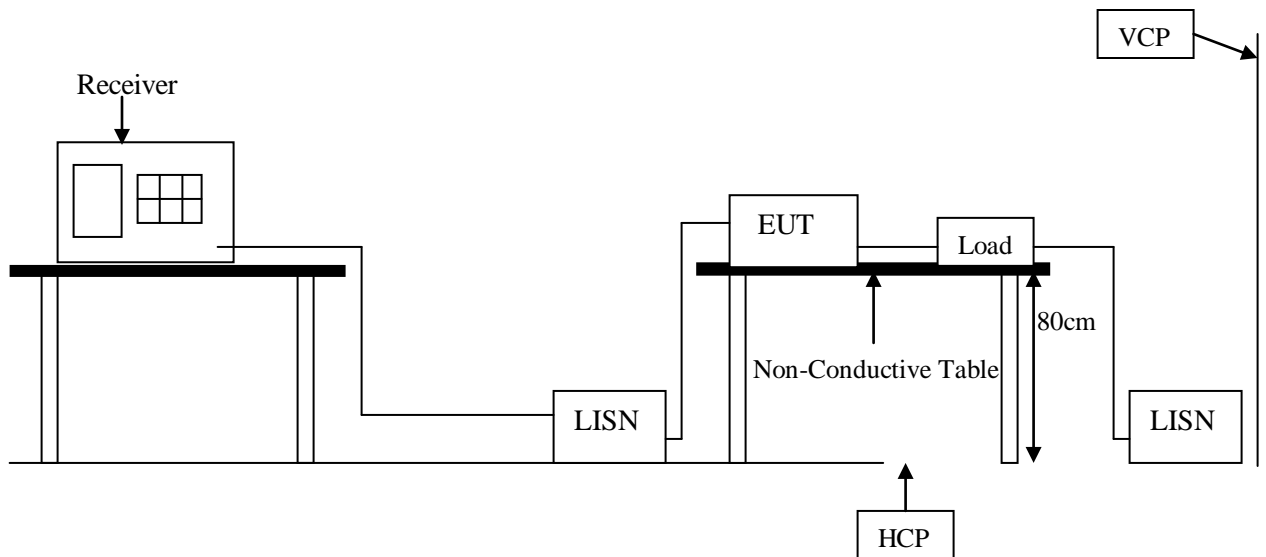
Note:

1. Emission level = Reading level – Correction factor
2. Correction factor : Antenna factor, Cable loss, PreAmp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements from 9 kHz to 150 kHz, Peak detector setting: 100 Hz RBW
5. Measurements from 150 kHz to 30MHz, Peak detector setting: 10 kHz RBW
6. Measurements from 30 MHz to 1000 MHz, Peak detector setting: 100 kHz RBW
7. Measurements from 9 kHz to 150 kHz, CISPR quasi-peak detector: 200 Hz RBW
8. Measurements from 150 kHz to 30MHz, CISPR quasi-peak detector: 9 kHz RBW
9. Measurements from 30 MHz to 1000 MHz, CISPR quasi-peak detector: 120 kHz RBW
10. Peak detector measurement data will represent the worst case results.



## **7. SECTION 15.207 REQUIREMENTS (POWERLINE CONDUCTED EMISSIONS)**

### **7.1 TEST SETUP**



### **7.2 LIMIT**

Frequency range (MHz)	CLASS A		CLASS B	
	QP dB(uV)	Average dB(uV)	QP dB(uV)	Average dB(uV)
0.15-0.5	79 dBuV	66 dBuV	66 - 56 dBuV	56 - 46 dBuV
0.5-5.0	73 dBuV	60 dBuV	56 dBuV	46 dBuV
5.0-30.0	73 dBuV	60 dBuV	60 dBuV	50 dBuV

Remark: In the above table, the tighter limit applies at the band edges.



### **7.3 TEST PROCEDURE**

The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). It provides a 50 ohm / 50  $\mu$ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm / 50  $\mu$ H coupling impedance with 50 ohm termination. (Please refer to the block diagram of the test setup and photograph.)

Both sides of AC line are checked for the maximum conducted emission interference. In order to find the maximum emissions, the relating positions of equipment and all of the interference cables must be changed according to CISPR22 regulation: The measurement procedure on conducted emission interference.

The resolution bandwidth of the field strength meter is set at 9 KHz

### **7.4 TEST SPECIFICATION**

ANSI C63.4, CISPR 16

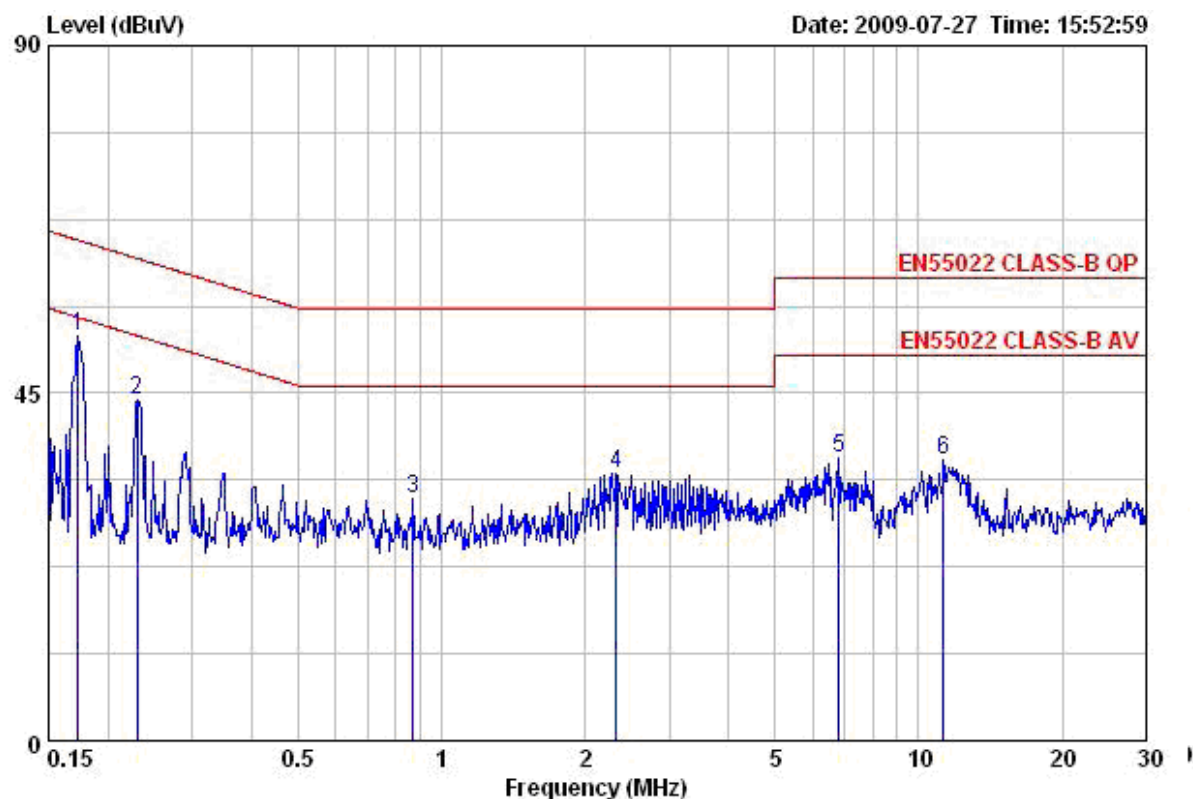
### **7.5 RESULT: PASSED**

### **7.6 TEST DATA:**



Middle Channel (worst emissions found)

**Line**



Site : Conducted

Condition

: EN55022 CLASS-B QP NNB41-080924 0310015 LINE

: RBW:9KHz VBW:300KHz SWT:0.10sec

EUT :

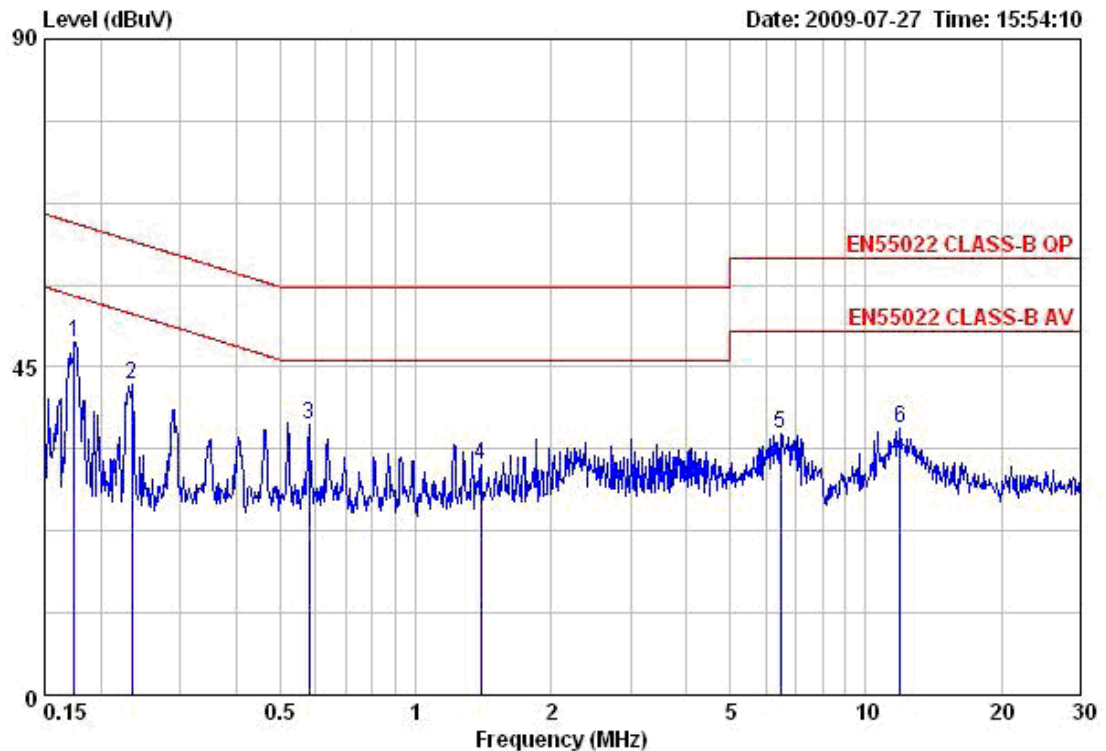
MODE :

MEMO :

	Freq	Read Level	Factor	Level	Over Limit	Limit Line	Remark
	MHz	dBuV	dB	dBuV	dB	dBuV	
1	0.17	32.27	20.15	52.42	-12.39	64.81	Peak
2	0.23	23.94	20.15	44.09	-18.35	62.44	Peak
3	0.87	11.08	20.22	31.30	-24.70	56.00	Peak
4	2.32	14.24	20.30	34.54	-21.46	56.00	Peak
5	6.81	16.09	20.41	36.50	-23.50	60.00	Peak
6	11.26	15.79	20.48	36.27	-23.73	60.00	Peak



**Neutral**



Site : Conducted

Condition

: EN55022 CLASS-B QP NNB41-080924 0310015 NEUTRAL

: RBW:9KHz VBW:300KHz SWT:0.10sec

EUT :

MODE :

MEMO :

	Freq	Read Level	Factor	Level	Over Limit	Limit Line	Remark
	MHz	dBuV	dB	dBuV	dB	dBuV	
1	0.17	28.30	20.15	48.45	-16.27	64.72	Peak
2	0.23	22.48	20.15	42.63	-19.67	62.30	Peak
3	0.58	16.93	20.20	37.13	-18.87	56.00	Peak
4	1.40	11.42	20.25	31.67	-24.33	56.00	Peak
5	6.45	15.44	20.40	35.84	-24.16	60.00	Peak
6	11.93	16.13	20.48	36.61	-23.39	60.00	Peak

Note:

1. Emission level = Reading level + Correction factor
2. Correction factor : LISN factor, Cable loss, Aux factor, etc.
3. Measurements from 150 kHz to 30MHz, Peak detector setting: 10 kHz RBW
4. Measurements from 150 kHz to 30MHz, CISPR quasi-peak detector: 9 kHz RBW
5. Peak detector measurement data will represent the worst case results which are far below QP and AV limits.