

FCC TEST REPORT
FOR
VISUAL LAND INC.

10.1 inch TABLET

Model No.: ME-10QI

Additional Model No.: Please refer to page 5.

Prepared for : VISUAL LAND INC.
Address : 17785 Center Court Dr. Suite 670, Cerritos, CA 90703,
USA

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : December 01, 2015
Number of tested samples : 1
Serial number : Prototype
Date of Test : December 01, 2015 – December 24, 2015
Date of Report : December 24, 2015

FCC TEST REPORT**FCC CFR 47 PART 15 Subpart B: 2015****Report Reference No. : LCS1512312988E**

Date Of Issue..... : December 24, 2015

Testing Laboratory Name : Shenzhen LCS Compliance Testing Laboratory Ltd.Address..... : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue,
Bao'an District, Shenzhen, Guangdong, ChinaTesting Location/ Procedure : Full application of Harmonised standards ☒
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name : VISUAL LAND INC.**

Address..... : 17785 Center Court Dr. Suite 670, Cerritos, CA 90703, USA

Test Specification

Standard..... : FCC CFR 47 PART 15 Subpart B: 2015, ANSI C63.4-2014

Test Report Form No. : LCSEMC-1.0

TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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Test Item Description..... : 10.1 inch TABLET

Trade Mark..... : VISUAL LAND

Model/Type Reference : ME-10QI

Ratings..... : DC 3.7V by battery

Result : Positive**Compiled by:**

Jacky Li/ File administrators

Supervised by:

Glin Lu/ Technique principal

Approved by:

Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : LCS1512312988EDecember 24, 2015

Date of issue

Type / Model..... : ME-10QI

EUT..... : 10.1 inch TABLET

Applicant..... : VISUAL LAND INC.

Address..... : 17785 Center Court Dr. Suite 670, Cerritos, CA 90703, USA

Telephone..... : 562-860-2600

Fax..... : 562-860-2607

Manufacturer..... : VISUAL LAND INC.

Address..... : 17785 Center Court Dr. Suite 670, Cerritos, CA 90703, USA

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Fax..... : 562-860-2607

Factory..... : VISUAL LAND INC.

Address..... : 17785 Center Court Dr. Suite 670, Cerritos, CA 90703, USA

Telephone..... : 562-860-2600

Fax..... : 562-860-2607

Test Result according to the standards on page 5: **Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Limits	Results
Conducted disturbance at mains terminals	FCC CFR 47 PART 15 Subpart B: 2015	Class B	PASS
Radiated disturbance	FCC CFR 47 PART 15 Subpart B: 2015	Class B	PASS
N/A is an abbreviation for Not Applicable.			

1.2 Support Equipment

OUTSIDE SUPPORT EQUIPMENT							
No.	Equipment	Model	Serial No.	FCC ID/BSMI ID	Trade name	Data Cable	Power Cord
1.	Dell PC	OptiPlex 3020 MT	CN/079V51-70163-4 CQ-0556-A00	N/A	Dell	USB Port	1m
2	Dell LCD Monitor	E2014HF	CN-011HFV-72872-46J-CGAM	N/A	Dell	VGA Port	1m
3	Dell Keyboard	KB212-B	CN-ON291F-71581-53H-04ES-A01	N/A	Dell	USB Port	1.8m
4	Dell Mouse	DP/N 09RRC7	CN-09RRC7-48729-512-19MQ-A06	N/A	Dell	USB Port	1.8m
5.	Brother printer	HL-2140	E65602M0J161141	N/A	Brother	LPT to USB	1.5m

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	: 10.1 inch TABLET
Model No.	: ME-10QI
Frequency Range	: 2.402-2.480GHz
Channel Number	: 79 channels for BT V3.0; 40 channels for BT V4.0
Channel frequency	: 2402.00-2480.00MHz (Channel Frequency=2402+1(K-1), K=1, 2, 379) for BT V3.0; 2402.00-2480.00MHz (Channel Frequency=2402+2(K-1), K=0, 2, 339) for BT V4.0;
Channel Spacing	: 1MHz for BT V3.0; 2MHz for BT V4.0
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK
Bluetooth Version	: BT V3.0+ V4.0
Antenna Gain	: Integral antenna, 0.0 dBi(Max.)
Input Voltage	: AC Input100-240V,50/ 60Hz 0.68A Max Output: 5V/2.1A

2.2. Description of Test Facility

EMC Lab.	: CNAS Registration Number. is L4595. FCC Registration Number. is 899208. Industry Canada Registration Number. is 9642A-1. VCCI Registration Number. is C-4260 and R-3804. ESMD Registration Number. is ARCB0108. UL Registration Number. is 100571-492. TUV SUD Registration Number. is SCN1081. TUV RH Registration Number. is UA 50296516-001
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2.3.Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

2.4.Measurement Uncertainty

Test Item	Frequency Range	Expanded uncertainty (U _{lab})	Expanded uncertainty (U _{cispr})
Conducted Emission	(9kHz to 150kHz)	2.63 dB	4.0 dB
	(150kHz to 30MHz)	2.35 dB	3.6 dB
Radiated Emission	(9kHz to 30MHz)	3.68 dB	N/A
Radiated Emission	(30MHz to 1000MHz)	3.48 dB	5.2 dB
Radiated Emission	(above 1000MHz)	3.90 dB	N/A

- (1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.
- (2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

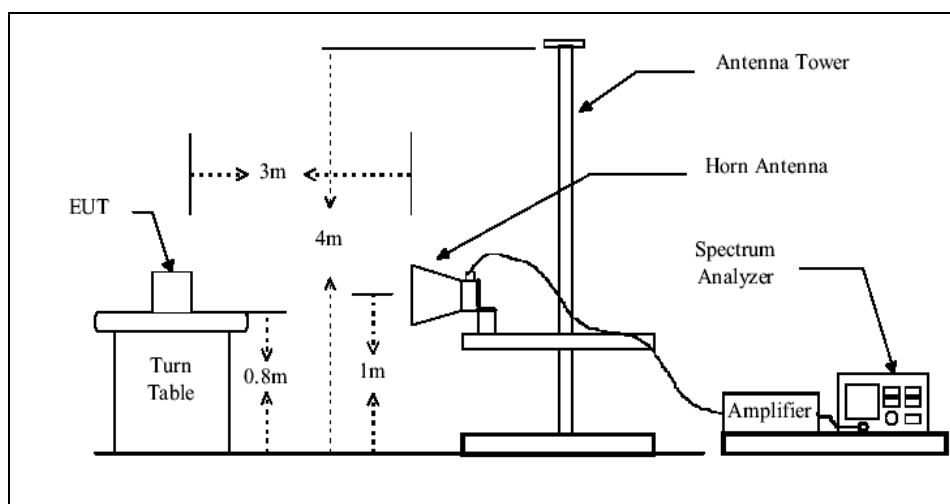
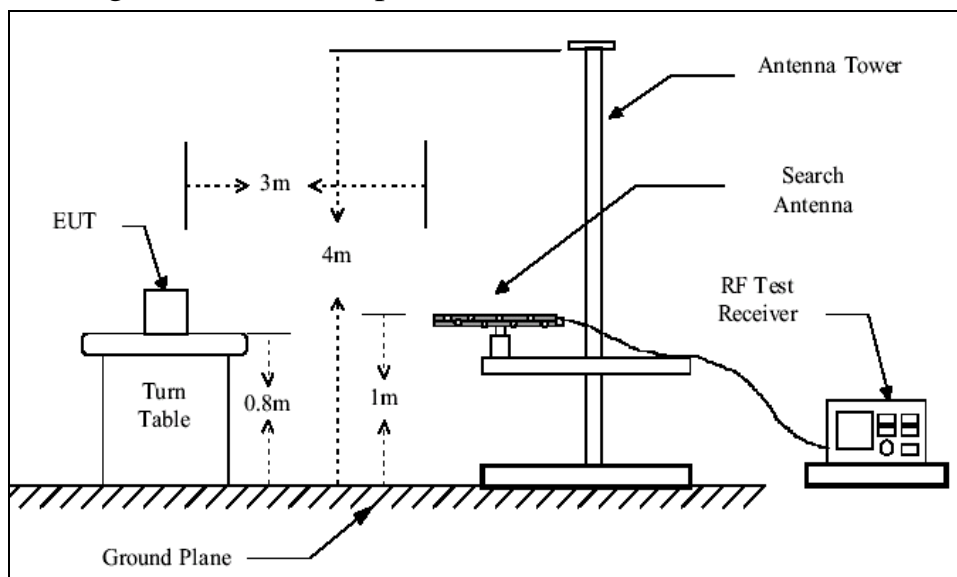
3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipments are used during the radiated emission measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2015/02/04
2	EMI Test Receiver	R&S	ESCI	101844	2015/06/18
3	Log per Antenna	SCHWARZBECK	VULB9163	9163-470	2015/06/18
4	EMI Test Software	AUDIX	E3	N/A	2015/06/18
5	Positioning Controller	MF	MF-7082	/	2015/06/18

3.2. Block Diagram of Test Setup



3.3. Radiated Emission Limit (Class B)

Limits for radiated disturbance Blow 1GHz

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46
960 ~ 1000	3	500	54
Remark: (1) Emission level $(\text{dB})\mu\text{V} = 20 \log \text{Emission level } \mu\text{V}/\text{m}$ (2) The smaller limit shall apply at the cross point between two frequency bands. (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.			

3.4. EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.5. Operating Condition of EUT

4.5.1. Setup the EUT as shown in Section 4.2.

4.5.2. Let the EUT work in test mode (on) and measure it.

3.6. Test Procedure

EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated by-log antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009 on radiated emission measurement. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Below 1G:

The bandwidth of the EMI test receiver is set at 120kHz, 1000kHz.

The frequency range from 30MHz to 1000MHz is checked.

Above 1G:

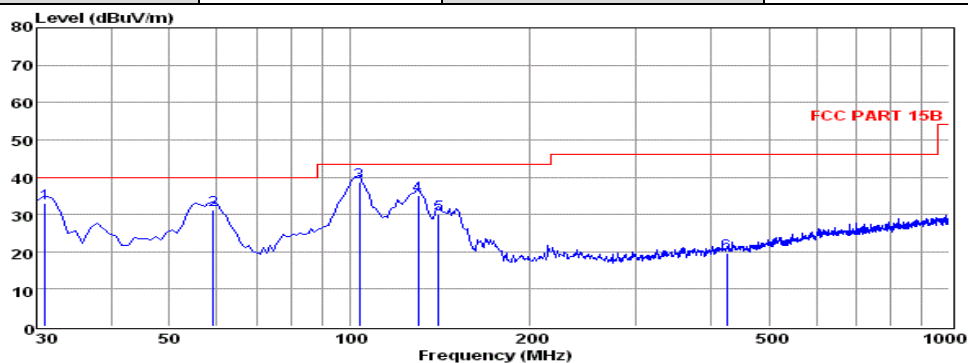
The bandwidth of the EMI test receiver is set at 1MHz, 3MHz for Peak detector.

The bandwidth of the EMI test receiver is set at 1MHz, 10Hz for Average detector

The frequency range from 1GHz to 6GHz is checked.

3.7. Radiated Emission Noise Measurement Result

Model No.	ME-10QI	Test Mode	Data exchange with PC
Environmental Conditions	24°C / 56% RH	Detector Function	Quasi-peak
Pol	Vertical	Distance	3m
Test Engineer	LH Li		



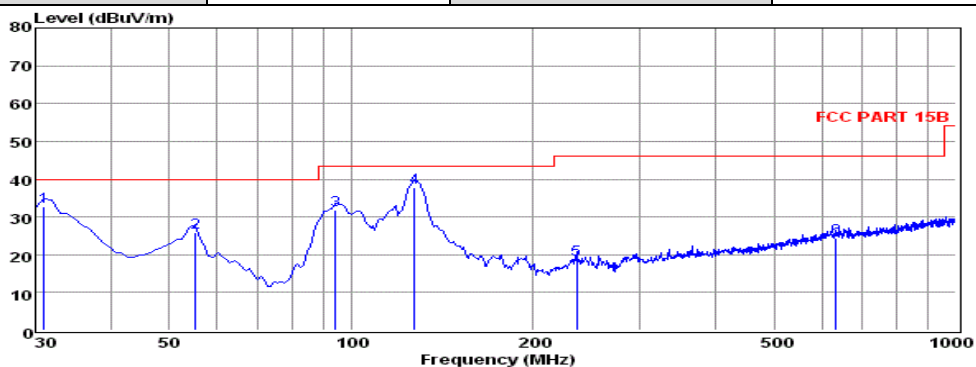
	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	30.97	20.40	0.39	12.32	33.11	40.00	-6.89	QP
2	59.10	17.99	0.49	12.75	31.23	40.00	-8.77	QP
3	103.72	25.11	0.61	12.82	38.54	43.50	-4.96	QP
4	129.91	25.41	0.76	8.94	35.11	43.50	-8.39	QP
5	140.58	21.05	0.75	8.19	29.99	43.50	-13.51	QP
6	425.76	2.88	1.16	15.50	19.54	46.00	-26.46	QP

Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that are 20dB below the official limit are not reported

Model No.	ME-10QI	Test Mode	Data exchange with PC
Environmental Conditions	24°C / 56% RH	Detector Function	Quasi-peak
Pol	Horizontal	Distance	3m
Test Engineer	LH Li		



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	30.97	20.10	0.39	12.32	32.81	40.00	-7.19	QP
2	55.22	12.37	0.46	13.01	25.84	40.00	-14.16	QP
3	94.02	18.44	0.58	12.66	31.68	43.50	-11.82	QP
4	127.00	27.64	0.67	9.40	37.71	43.50	-5.79	QP
5	235.64	5.91	0.87	11.90	18.68	46.00	-27.32	QP
6	634.31	4.37	1.50	18.57	24.44	46.00	-21.56	QP

Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that are 20dB below the official limit are not reported

Note: Pre-scan all modes (AC 120V/60Hz&AC240V/60Hz) and recorded the worst case results in this report.

Model No.	ME-10QI	Test Mode	Data exchange with PC
Environmental Conditions	24°C/ 56% RH	Detector Function	Quasi-peak
Pol	H/V	Distance	3m
Test Engineer	LH Li		

Ant. Pol. (H/V)	Freq. (MHz)	Emission Level (dB μ V/m)		Limits (dB μ V/m)		Margin (dB μ V/m)		Note
		Peak	AVG	Peak	AVG	Peak	AVG	
H	2537.16	60.25	44.92	74.00	54.00	-13.75	-9.08	Pass
	3633.52	62.12	46.11	74.00	54.00	-11.88	-7.89	Pass
	5247.38	58.53	42.87	74.00	54.00	-15.47	-11.13	Pass
V	1936.82	58.42	42.26	74.00	54.00	-15.58	-11.74	Pass
	3128.02	61.03	45.71	74.00	54.00	-12.97	-8.29	Pass
	4932.17	54.28	38.02	74.00	54.00	-19.72	-15.98	Pass

Notes:

1. Measuring frequencies from 9k~6GHz , No emission found between lowest internal used/generated frequency to 30MHz.
2. Radiated emissions measured in frequency range from 9k~6GHz were made with an instrument using Peak detector mode.
3. Data of measurement within this frequency range shown “ --- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measure
4. Only record the worst test result.

4. POWER LINE CONDUCTED EMISSIONS

4.1. Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

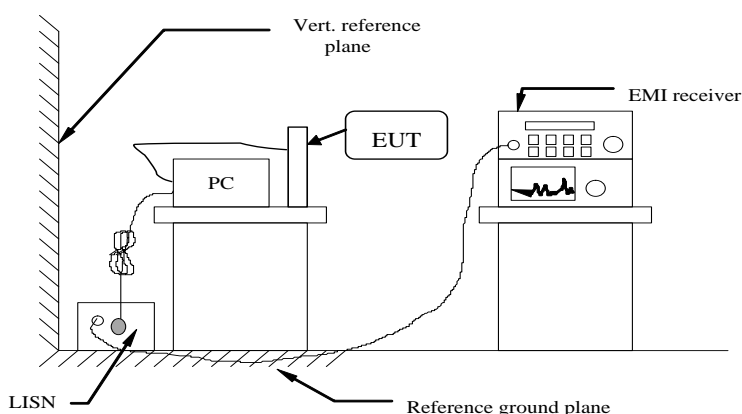
Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

4.2. Test Equipment

The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	R&S	ESCI	101142	2015/06/18
2	Artificial Mains	R&S	ENV216	101288	2015/06/19
4	EMI Test Software	AUDIX	E3	N/A	2015/06/18

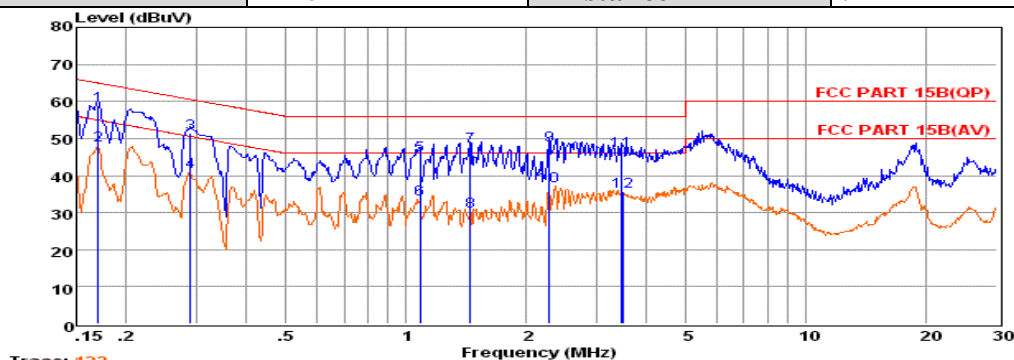
4.3. Block Diagram of Test Setup



4.4. Test Results

PASS.

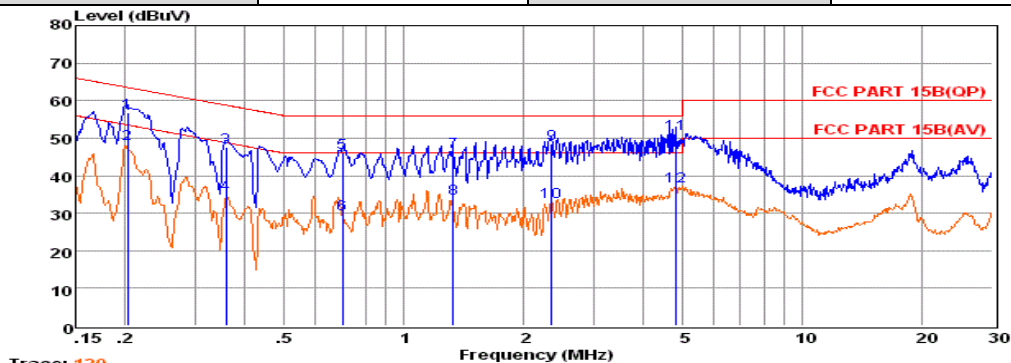
Model No.	ME-10QI	Test Mode	Data exchange with PC
Environmental Conditions	24°C/ 56% RH	Detector Function	Quasi-peak
Pol	Line	Distance	/



	Freq	Reading	LisnFac	CabLos	Atten_Fac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.17034	39.13	9.60	0.02	10.00	58.75	64.94	-6.19	QP
2	0.17044	28.60	9.60	0.02	10.00	48.22	54.94	-6.72	Average
3	0.28935	31.67	9.63	0.03	10.00	51.33	60.54	-9.21	QP
4	0.28945	21.25	9.63	0.03	10.00	40.91	50.54	-9.63	Average
5	1.08237	25.93	9.63	0.05	10.00	45.61	56.00	-10.39	QP
6	1.08337	13.96	9.63	0.05	10.00	33.64	46.00	-12.36	Average
7	1.44855	28.33	9.64	0.05	10.00	48.02	56.00	-7.98	QP
8	1.44955	10.54	9.64	0.05	10.00	30.23	46.00	-15.77	Average
9	2.28466	28.57	9.64	0.05	10.00	48.26	56.00	-7.74	QP
10	2.28566	17.40	9.64	0.05	10.00	37.09	46.00	-8.91	Average
11	3.47218	27.07	9.65	0.06	10.00	46.78	56.00	-9.22	QP
12	3.47318	16.10	9.65	0.06	10.00	35.81	46.00	-10.19	Average

Remarks: 1. Measured = Reading + Lisn Factor +Cable Loss+Atten_Fac.
2. The emission levels that are 20dB below the official limit are not reported.

Model No.	ME-10QI	Test Mode	Data exchange with PC
Environmental Conditions	24°C/ 56% RH	Detector Function	Quasi-peak
Pol	Neutral	Distance	/



	Freq	Reading	LisnFac	CabLos	Atten_Fac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.20289	37.13	9.59	0.03	10.00	56.75	63.49	-6.74	QP
2	0.20299	28.80	9.59	0.03	10.00	48.42	53.49	-5.07	Average
3	0.35765	27.82	9.61	0.03	10.00	47.46	58.78	-11.32	QP
4	0.35775	15.54	9.61	0.03	10.00	35.18	48.78	-13.60	Average
5	0.70096	26.29	9.63	0.04	10.00	45.96	56.00	-10.04	QP
6	0.70116	9.98	9.63	0.04	10.00	29.65	46.00	-16.35	Average
7	1.33081	26.59	9.63	0.05	10.00	46.27	56.00	-9.73	QP
8	1.33181	14.10	9.63	0.05	10.00	33.78	46.00	-12.22	Average
9	2.34599	28.81	9.64	0.05	10.00	48.50	56.00	-7.50	QP
10	2.34699	13.43	9.64	0.05	10.00	33.12	46.00	-12.88	Average
11	4.79695	31.36	9.66	0.06	10.00	51.08	56.00	-4.92	QP
12	4.79795	17.51	9.66	0.06	10.00	37.23	46.00	-8.77	Average

Remarks: 1. Measured = Reading + Lisn Factor +Cable Loss+Atten_Fac.
2. The emission levels that are 20dB below the official limit are not reported.

Note: Pre-scan all modes (AC 120V/60Hz&AC240V/60Hz) and recorded the worst case results in this report.

-----THE END OF REPORT-----