



FCC Test Report

FCC ID:2AEMK-TVE1001I

Product : Tablet PC

Trade Name : Filla

Model Number : TVE1001I

Serial Model : Prism MII

Report No. : NTEK-2015NT04011396F1

Prepared for

TECHVISION INFORMATION TECHNOLOGY (HK) LIMITED
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TEST RESULT CERTIFICATION

Applicant's name : TECHVISION INFORMATION TECHNOLOGY (HK) LIMITED
Address : Workshop 11A, 12th Floor, Pacific Trade Center, No.2 Kai Hing Road, Kowloon Bay, Hong Kong
Manufacturer's Name : Techvision Intelligent Technology Co., Ltd.
Address : Room 7006, Tianxia IC Industry Building, Yiyuan Road, Nanshan, Shenzhen

Product description

Product name : Tablet PC
Model and/or type reference : TVE1001I
FCC Part15B:01 Oct.2014
Standards : ANSI C63.4:2009

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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Date of Test :
Date (s) of performance of tests : 01 Apr. 2015~14 Apr. 2015
Date of Issue : 14 Apr. 2015
Test Result : **Pass**

Testing Engineer : Eileen Liu.
(Eileen Liu)

Technical Manager : Brown Lu
(Brown Lu)

Authorized Signatory : Bin
(Bill Yao)

Table of Contents	Page
1 . TEST SUMMARY	4
1.1 TEST FACILITY	5
1.2 MEASUREMENT UNCERTAINTY	5
2 . GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST SETUP	8
2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	9
2.4 MEASUREMENT INSTRUMENTS LIST	10
3 . EMC EMISSION TEST	11
3.1 CONDUCTED EMISSION MEASUREMENT	11
3.1.1 POWER LINE CONDUCTED EMISSION	11
3.1.2 TEST PROCEDURE	12
3.1.3 TEST SETUP	12
3.1.4 EUT OPERATING CONDITIONS	12
3.1.5 TEST RESULTS	13
3.2 RADIATED EMISSION MEASUREMENT	21
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	21
3.2.2 TEST PROCEDURE	21
3.2.3 TEST SETUP	22
3.2.4 EUT OPERATING CONDITIONS	23
3.2.5 TEST RESULTS	24
3.2.6 TEST RESULTS(1000~12400MHz)	32
4 . EUT TEST PHOTO	33

1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15B:2014 ANSI C63.4: 2009	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registration Number:238937; IC Registration Number:9270A-1

CNAS Registration Number:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	3.2	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
NTEKA01	ANSI	30MHz ~ 1000MHz	4.7	
		1GHz ~12.4GHz	5.0	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Tablet PC	
Model Name	TVE1001I	
Additional Model Number(s)	Prism MII	
Model Difference	All the model are the same circuit and RF module, except the model name and colour.	
Product Description	The EUT is a Tablet PC.	
	Connecting I/O port:	USB, Earphone
	Operation Frequency:	BT:2402~2480 MHz WIFI: 2.4G 802.11b/g/n(20MHz): 2412~2462MHz 5G 802.11a/n(20): 5725 MHz ~ 5850 MHz
	Modulation Type:	BT(1Mbps)/4.0: GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8-DPSK WIFI: CCK/OFDM/DBPSK/DAPSK
Power Source	AC Voltage	
Adapter	Mode: PS10E050K2000UU Input: 100-240V~, 50/60Hz, 0.35A Output: 5.0V $\overline{\text{---}}$, 2000mA	
Battery	DC 3.8V,4000mAh	

2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

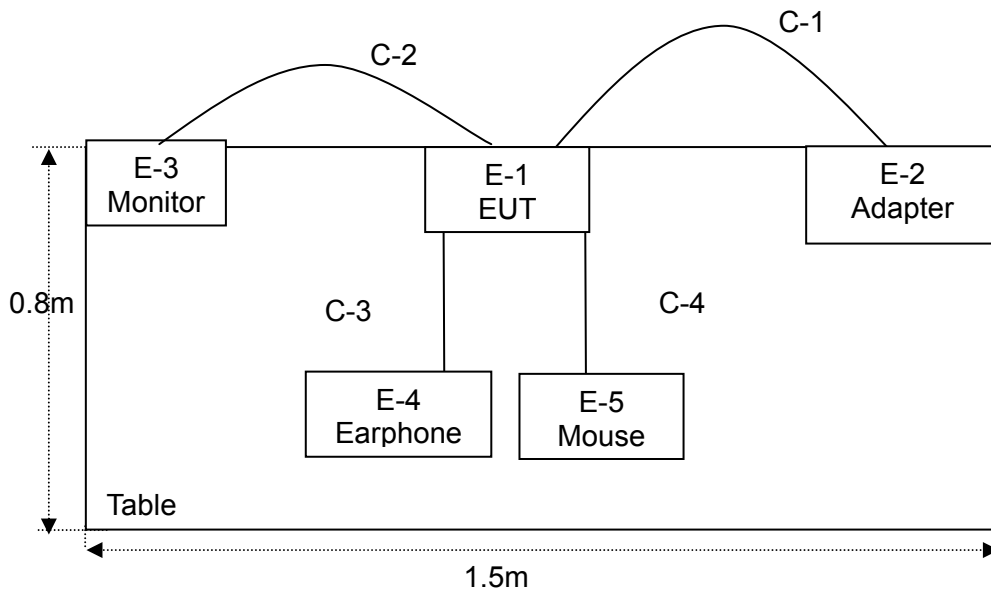
Pretest Mode	Description
Mode 1	TF Playing
Mode 2	USB Playing
Mode 3	Running
Mode 4	GPS Receive

For Conducted Test	
Final Test Mode	Description
Mode 1	TF Playing
Mode 2	USB Playing
Mode 3	Running
Mode 4	GPS Receive

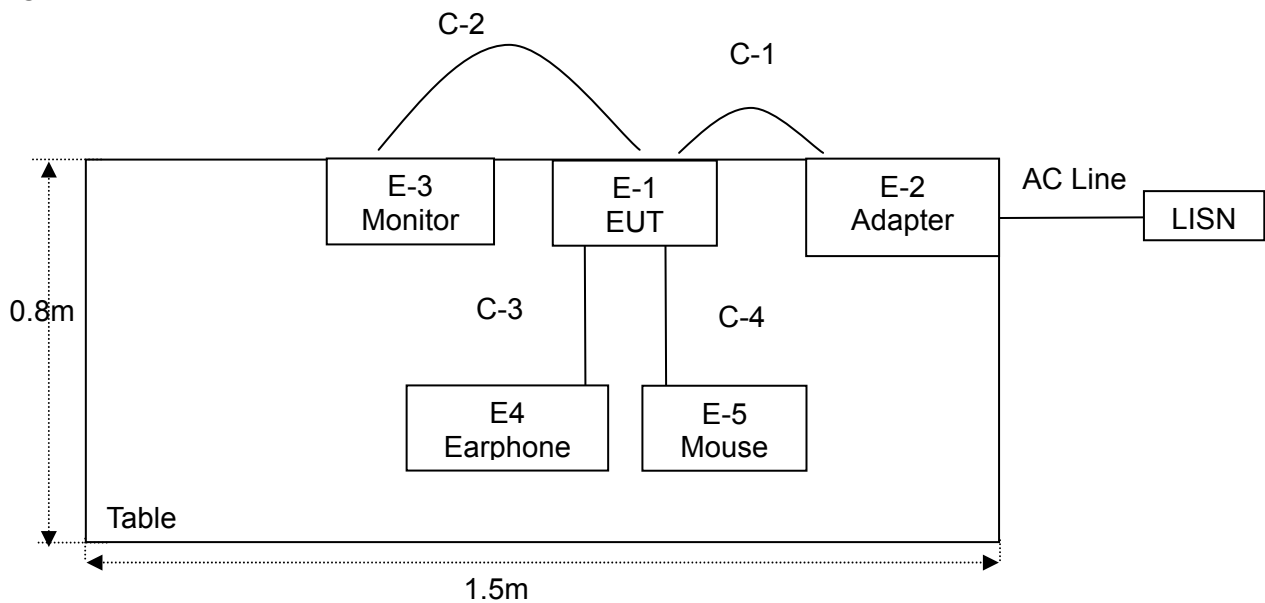
For Radiated Test	
Final Test Mode	Description
Mode 1	TF Playing
Mode 2	USB Playing
Mode 3	Running
Mode 4	GPS Receive

2.2 DESCRIPTION OF TEST SETUP

RE



CE



2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Tablet PC	Filla	TVE1001I	N/A	EUT
E-2	Adapter	N/A	PS10E050K2000UU	N/A	
E-3	Monitor	SONY	KDL-24EX520	6450730	
E-4	Earphone	N/A	2688	N/A	
E-5	Mouse	DELL	MS111-P	cn-011d3v-71581-11e-1th7	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1.2m	
C-2	NO	NO	1.0m	
C-3	NO	NO	1.0m	
C-4	NO	NO	1.0m	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” means “shielded” “with core”; “NO” means “unshielded” “without core”.

2.4 MEASUREMENT INSTRUMENTS LIST

2.4.1 CONDUCTED TEST SITE

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	LISN	R&S	ENV216	101313	Jul. 06, 2014	Jul. 05, 2015	1 year
2	LISN	SCHWARZBECK	NNLK 8129	8129245	Dec. 25, 2014	Dec. 24, 2015	1 year
3	Pulse Limiter	SCHWARZBECK	VTSD 9561F	9716	Dec. 25, 2014	Dec. 24, 2015	1 year
4	50Ω Switch	ANRITSU CORP	MP59B	6200983704	Jul. 06, 2014	Jul. 05, 2015	1 year
5	Test Cable	N/A	C01	N/A	Jul. 06, 2014	Jul. 05, 2015	1 year
6	Test Cable	N/A	C02	N/A	Jul. 06, 2014	Jul. 05, 2015	1 year
7	Test Cable	N/A	C03	N/A	Jul. 06, 2014	Jul. 05, 2015	1 year
8	EMI Test Receiver	R&S	ESCI	101160	Jul. 06, 2014	Jul. 05, 2015	1 year
9	Passive Voltage Probe	ESH2-Z3	R&S	100196	Jul. 06, 2014	Jul. 05, 2015	1 year
10	Absorbing Clamp	R&S	MDS-21	100423	Jul. 08, 2014	Jul. 07, 2015	1 year

2.4.2 RADIATED TEST SITE

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06, 2014	Jul. 05, 2015	1 year
2	Test Cable	N/A	R-01	N/A	Dec. 25, 2014	Dec. 24, 2015	1 year
3	Test Cable	N/A	R-02	N/A	Dec. 25, 2014	Dec. 24, 2015	1 year
4	EMI Test Receiver	R&S	ESCI-7	101318	Jul. 06, 2014	Jul. 05, 2015	1 year
5	Antenna Mast	EM	SC100_1	N/A	N/A	N/A	N/A
6	Turn Table	EM	SC100	060531	N/A	N/A	N/A
7	50Ω Switch	Anritsu Corp	MP59B	6200983705	Jul. 06, 2014	Jul. 05, 2015	1 year
8	Spectrum Analyzer	Aglient	E4407B	MY45108040	Jul. 06, 2014	Jul. 05, 2015	1 year
9	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06, 2014	Jul. 05, 2015	1 year
10	Amplifier	EM	EM-30180	060538	Jul. 06, 2014	Jul. 05, 2015	1 year
11	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06, 2014	Jul. 05, 2015	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

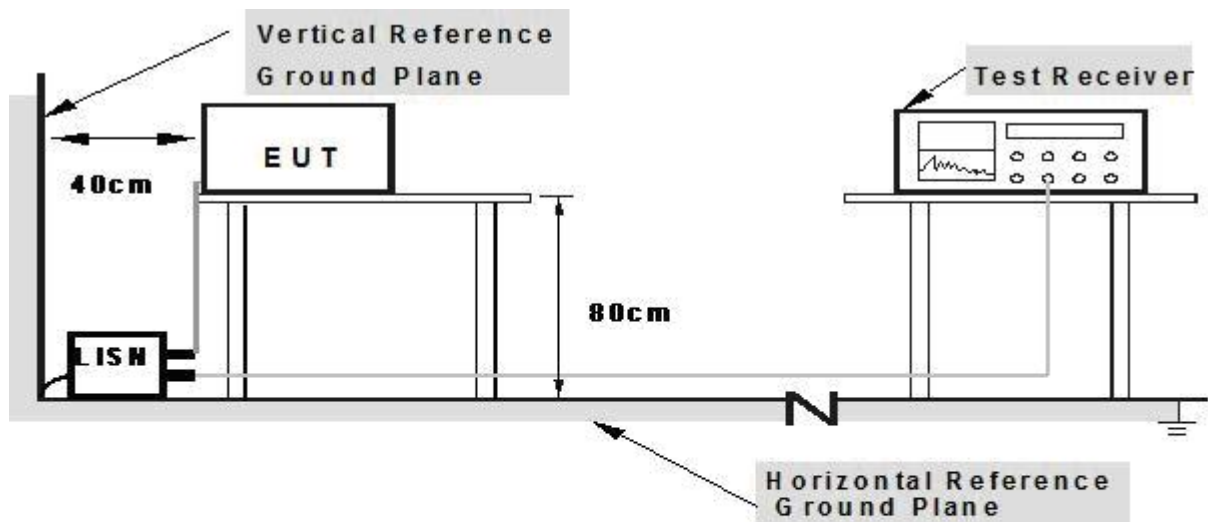
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



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

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

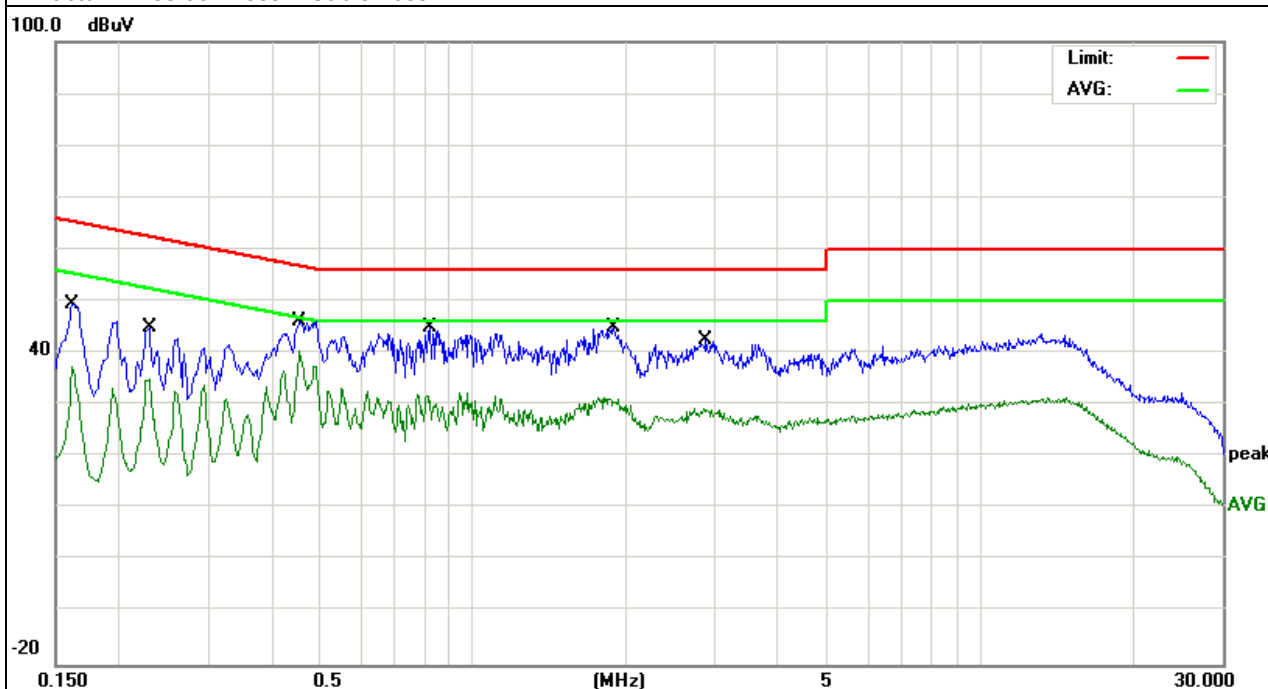
3.1.5 TEST RESULTS

EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 1	Phase :	L
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1620	39.90	9.62	49.52	65.36	-15.84	QP
0.1620	27.82	9.62	37.44	55.36	-17.92	AVG
0.2300	35.56	9.50	45.06	62.45	-17.39	QP
0.2300	25.57	9.50	35.07	52.45	-17.38	AVG
0.4540	36.63	9.38	46.01	56.80	-10.79	QP
0.4540	31.18	9.38	40.56	46.80	-6.24	AVG
0.8219	35.37	9.59	44.96	56.00	-11.04	QP
0.8219	22.82	9.59	32.41	46.00	-13.59	AVG
1.8900	35.27	9.57	44.84	56.00	-11.16	QP
1.8900	22.01	9.57	31.58	46.00	-14.42	AVG
2.8740	32.89	9.60	42.49	56.00	-13.51	QP
2.8740	19.79	9.60	29.39	46.00	-16.61	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

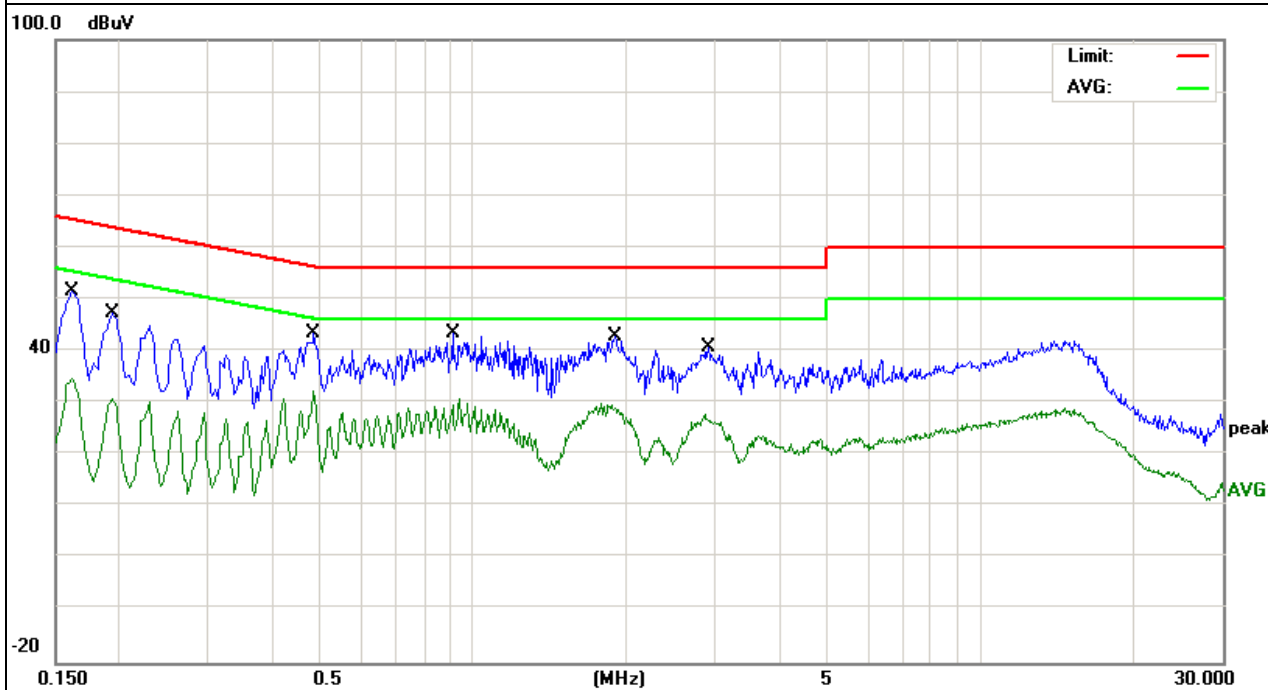


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 1	Phase :	N
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1620	41.96	9.60	51.56	65.36	-13.80	QP
0.1620	25.29	9.60	34.89	55.36	-20.47	AVG
0.1940	37.84	9.49	47.33	63.86	-16.53	QP
0.1940	21.45	9.49	30.94	53.86	-22.92	AVG
0.4860	33.99	9.47	43.46	56.24	-12.78	QP
0.4860	22.90	9.47	32.37	46.24	-13.87	AVG
0.9100	33.90	9.46	43.36	56.00	-12.64	QP
0.9100	21.29	9.46	30.75	46.00	-15.25	AVG
1.9060	33.48	9.46	42.94	56.00	-13.06	QP
1.9060	20.39	9.46	29.85	46.00	-16.15	AVG
2.9100	31.15	9.45	40.60	56.00	-15.40	QP
2.9100	18.27	9.45	27.72	46.00	-18.28	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

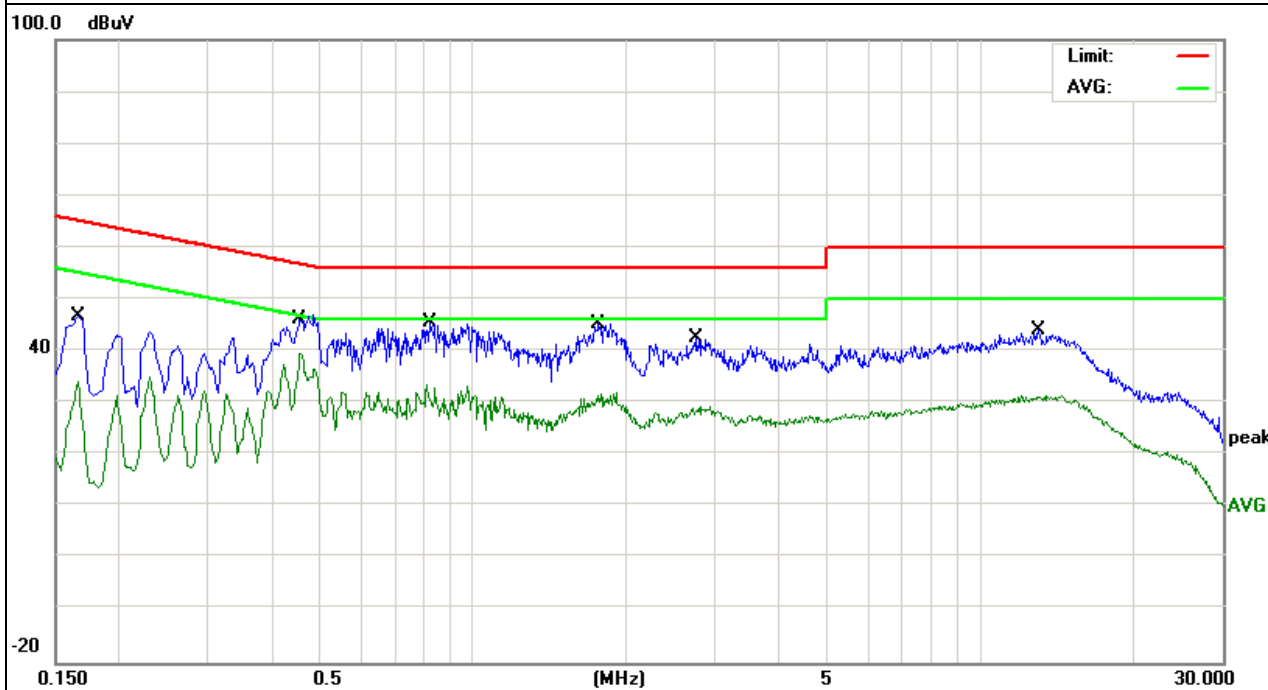


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 2	Phase :	L
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1660	37.09	9.61	46.70	65.15	-18.45	QP
0.1660	24.39	9.61	34.00	55.15	-21.15	AVG
0.4500	37.66	9.37	47.03	56.87	-9.84	QP
0.4540	30.30	9.38	39.68	46.80	-7.12	AVG
0.8179	35.85	9.59	45.44	56.00	-10.56	QP
0.8179	23.83	9.59	33.42	46.00	-12.58	AVG
1.7700	35.62	9.57	45.19	56.00	-10.81	QP
1.7700	22.62	9.57	32.19	46.00	-13.81	AVG
2.7540	32.86	9.60	42.46	56.00	-13.54	QP
2.7540	19.80	9.60	29.40	46.00	-16.60	AVG
13.0420	34.43	9.73	44.16	60.00	-15.84	QP
13.0420	21.75	9.73	31.48	50.00	-18.52	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

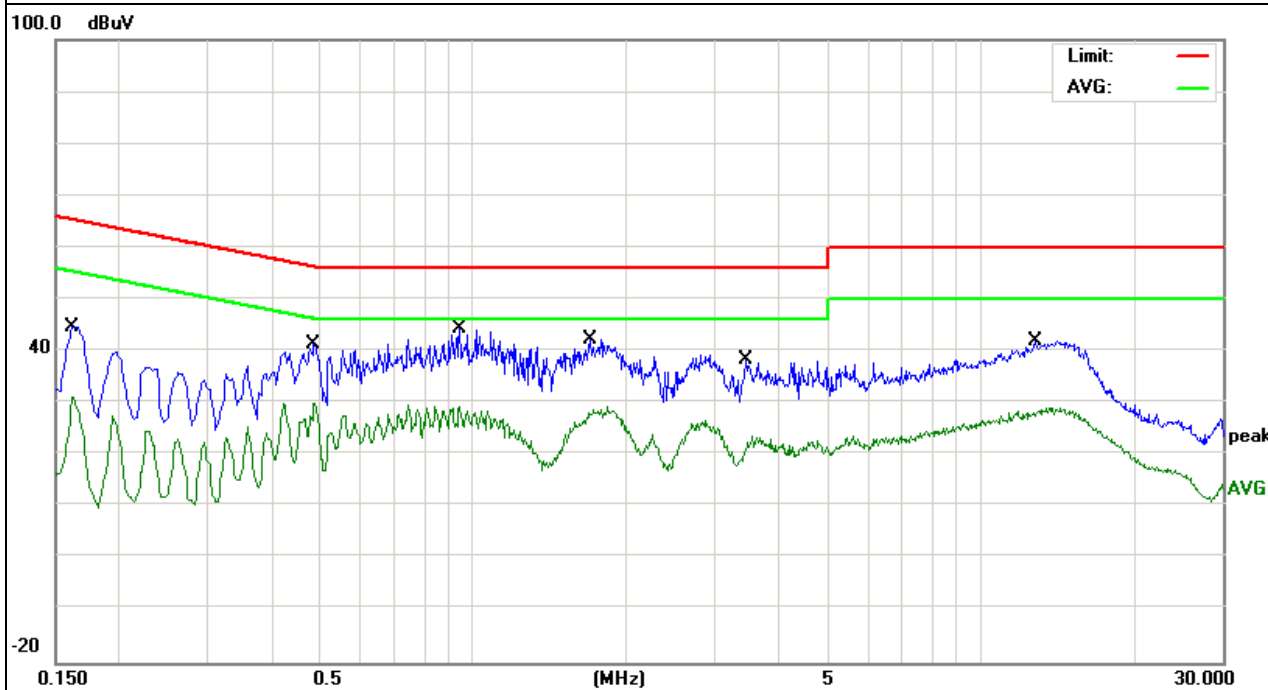


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 2	Phase :	N
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1620	35.14	9.60	44.74	65.36	-20.62	QP
0.1620	21.70	9.60	31.30	55.36	-24.06	AVG
0.4859	31.90	9.47	41.37	56.24	-14.87	QP
0.4859	20.48	9.47	29.95	46.24	-16.29	AVG
0.9420	35.02	9.46	44.48	56.00	-11.52	QP
0.9420	19.76	9.46	29.22	46.00	-16.78	AVG
1.7060	32.85	9.46	42.31	56.00	-13.69	QP
1.7060	19.80	9.46	29.26	46.00	-16.74	AVG
3.4500	28.96	9.44	38.40	56.00	-17.60	QP
3.4500	14.06	9.44	23.50	46.00	-22.50	AVG
12.8220	32.19	9.67	41.86	60.00	-18.14	QP
12.8220	19.37	9.67	29.04	50.00	-20.96	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

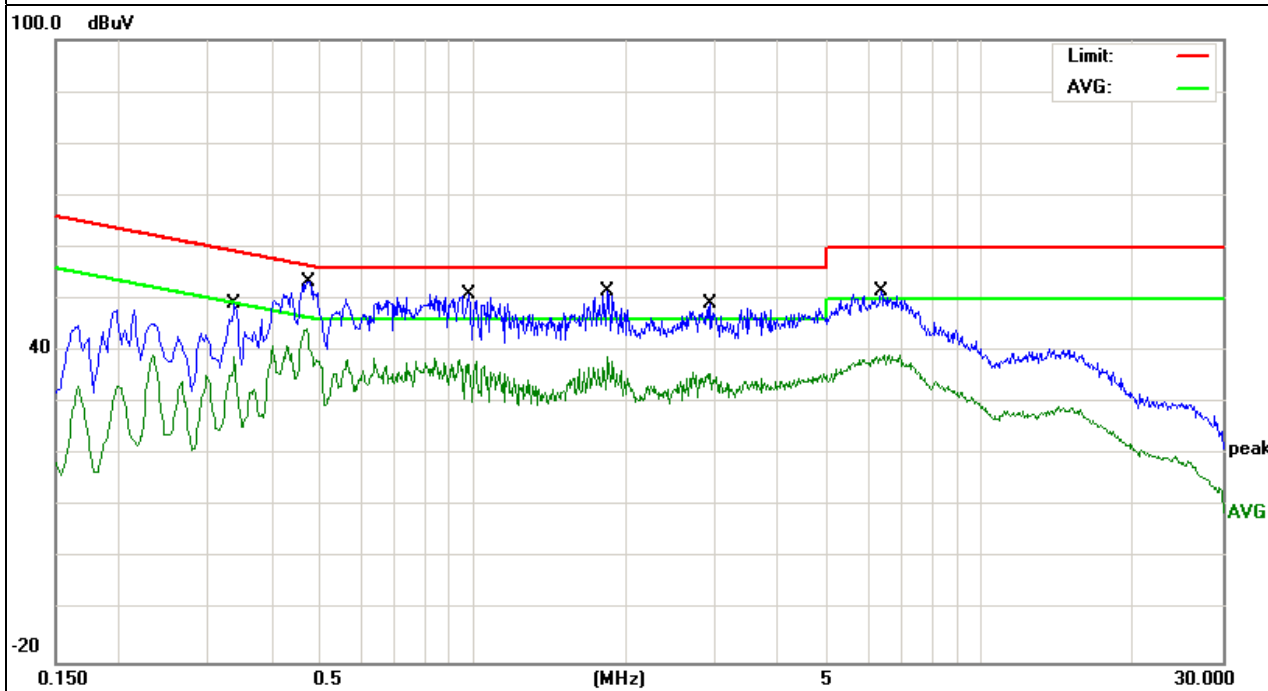


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 3	Phase :	L
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.3379	39.79	9.42	49.21	59.25	-10.04	QP
0.3379	29.39	9.42	38.81	49.25	-10.44	AVG
0.4740	41.64	9.46	51.10	56.44	-5.34	QP
0.4740	32.94	9.46	42.40	46.44	-4.04	AVG
0.9818	41.37	9.58	50.95	56.00	-5.05	QP
0.9818	28.68	9.58	38.26	46.00	-7.74	AVG
1.8460	41.90	9.57	51.47	56.00	-4.53	QP
1.8460	29.31	9.57	38.88	46.00	-7.12	AVG
2.9340	39.43	9.60	49.03	56.00	-6.97	QP
2.9340	26.33	9.60	35.93	46.00	-10.07	AVG
6.3818	42.00	9.64	51.64	60.00	-8.36	QP
6.3818	29.60	9.64	39.24	50.00	-10.76	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

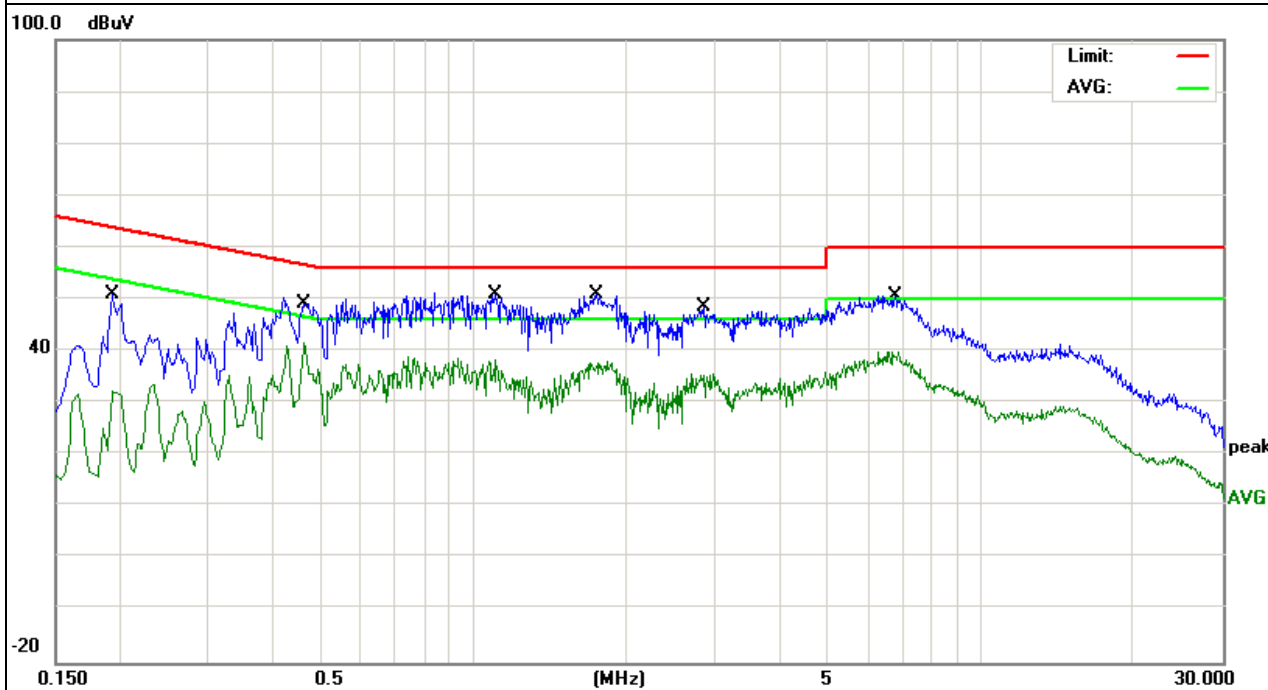


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 3	Phase :	N
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1940	41.51	9.49	51.00	63.86	-12.86	QP
0.1940	22.79	9.49	32.28	53.86	-21.58	AVG
0.4620	41.00	9.46	50.46	56.66	-6.20	QP
0.4620	32.23	9.46	41.69	46.66	-4.97	AVG
1.1019	41.42	9.46	50.88	56.00	-5.12	QP
1.1019	28.99	9.46	38.45	46.00	-7.55	AVG
1.7460	41.54	9.46	51.00	56.00	-5.00	QP
1.7460	28.49	9.46	37.95	46.00	-8.05	AVG
2.8500	39.14	9.45	48.59	56.00	-7.41	QP
2.8500	26.22	9.45	35.67	46.00	-10.33	AVG
6.8020	41.28	9.46	50.74	60.00	-9.26	QP
6.8020	30.47	9.46	39.93	50.00	-10.07	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

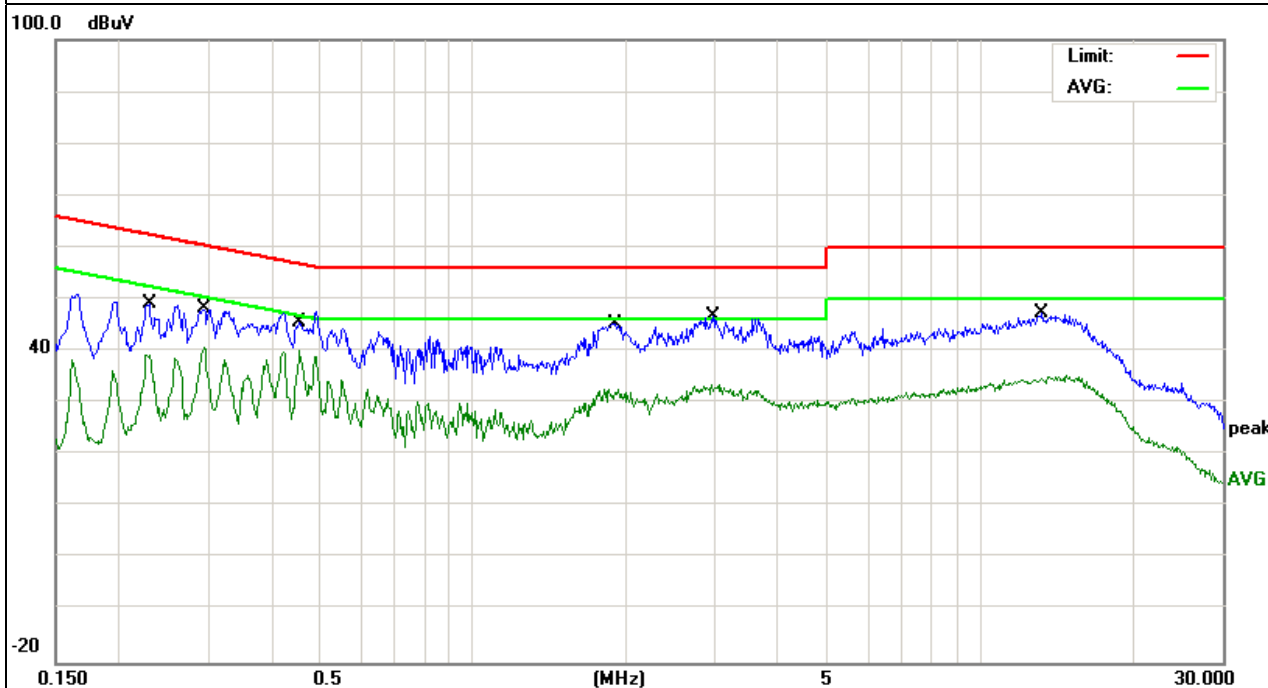


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 4	Phase :	L
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2303	39.56	9.50	49.06	62.44	-13.38	QP
0.2303	29.79	9.50	39.29	52.44	-13.15	AVG
0.2938	38.05	9.57	47.62	60.41	-12.79	QP
0.2938	31.13	9.57	40.70	50.41	-9.71	AVG
0.454	38.13	9.38	47.51	56.80	-9.29	QP
0.454	30.68	9.38	40.06	46.80	-6.74	AVG
1.9053	35.81	9.57	45.38	56.00	-10.62	QP
1.9053	23.04	9.57	32.61	46.00	-13.39	AVG
2.962	37.20	9.60	46.80	56.00	-9.20	QP
2.962	23.95	9.60	33.55	46.00	-12.45	AVG
13.2619	37.59	9.73	47.32	60.00	-12.68	QP
13.2619	25.59	9.73	35.32	50.00	-14.68	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

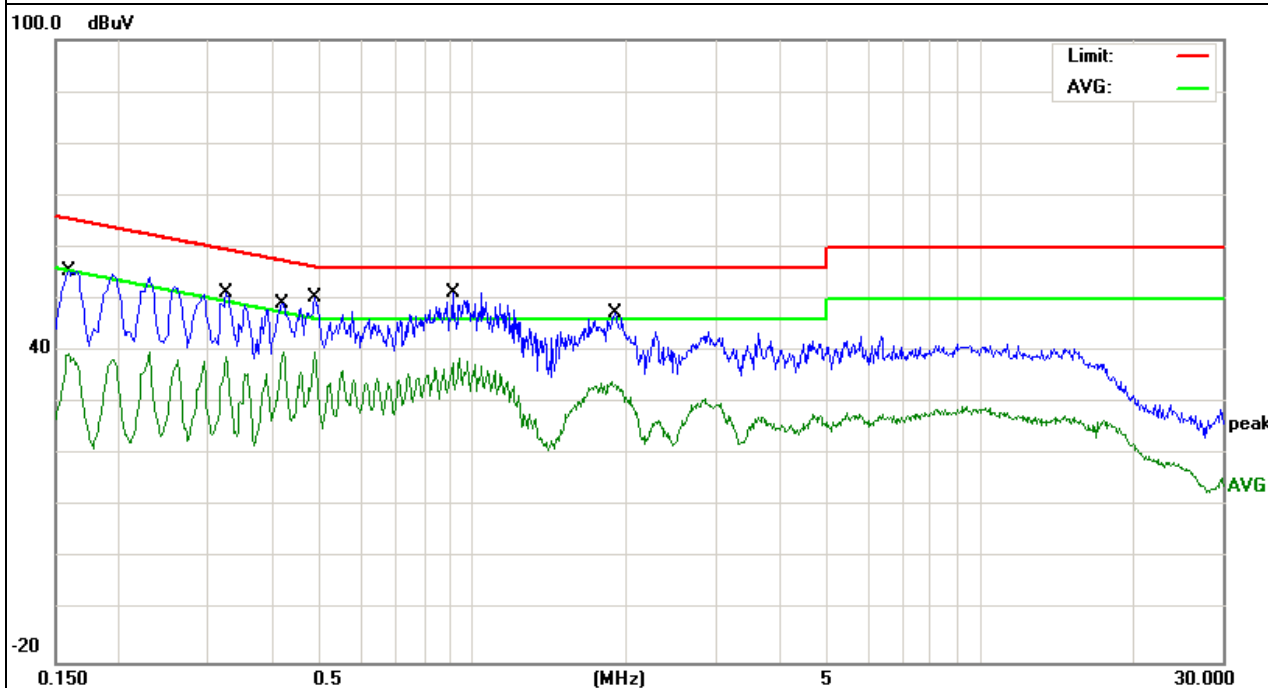


EUT :	Tablet PC	Model Name. :	TVE1001I
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2015-04-10
Test Mode :	Mode 4	Phase :	N
Test Voltage :	AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1590	45.87	9.61	55.48	65.51	-10.03	QP
0.1590	29.86	9.61	39.47	55.51	-16.04	AVG
0.3260	41.72	9.45	51.17	59.55	-8.38	QP
0.3260	29.53	9.45	38.98	49.55	-10.57	AVG
0.4218	39.76	9.45	49.21	57.41	-8.20	QP
0.4218	30.44	9.45	39.89	47.41	-7.52	AVG
0.4863	40.96	9.47	50.43	56.23	-5.80	QP
0.4863	30.51	9.47	39.98	46.23	-6.25	AVG
0.9100	41.90	9.46	51.36	56.00	-4.64	QP
0.9100	29.29	9.46	38.75	46.00	-7.25	AVG
1.9054	37.98	9.46	47.44	56.00	-8.56	QP
1.9054	24.74	9.46	34.20	46.00	-11.80	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30 ~ 88	39.0	40.0
88 ~ 216	43.5	43.5
216 ~ 960	46.5	46.0
Above 960	49.5	54.0

Notes:

- (1) The limit for radiated test was performed according to as following:
FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. 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 can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

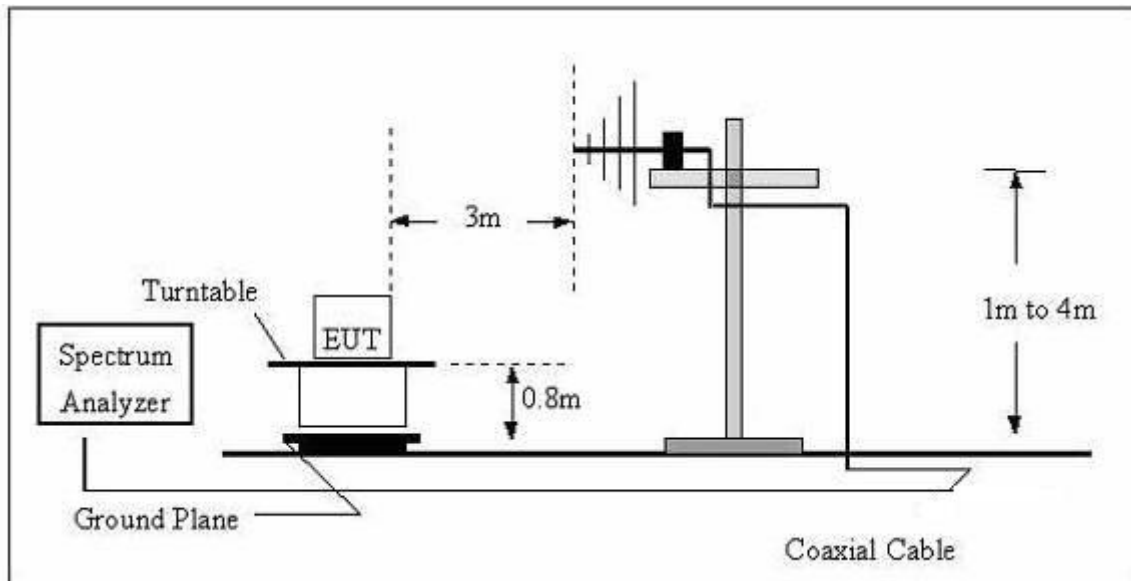
Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report
During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Peak	1 MHz	10 Hz

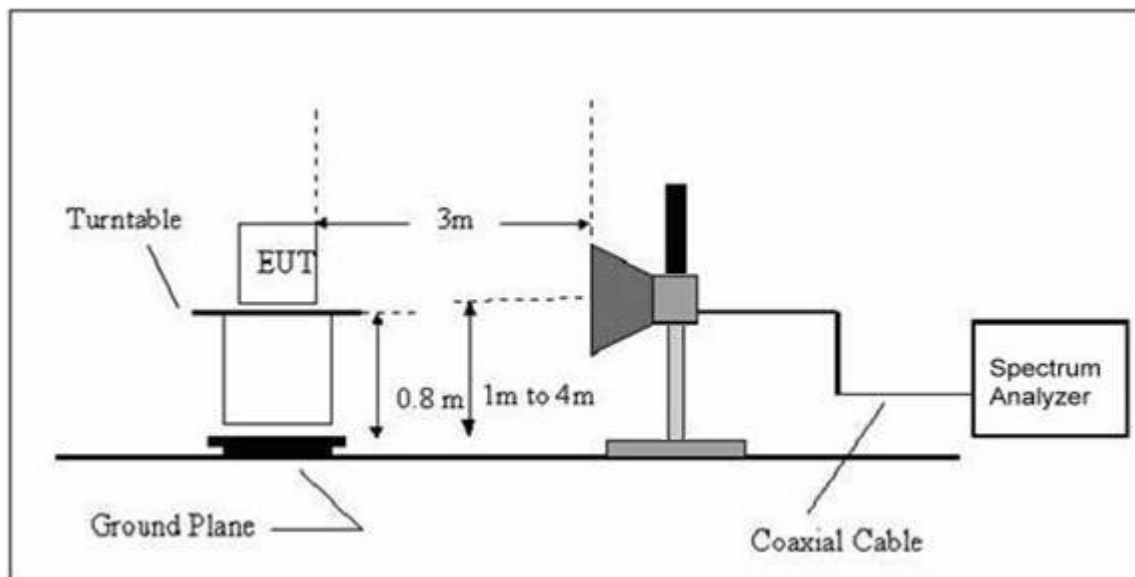
3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz

For Radiated Emission 30~1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 TEST RESULTS

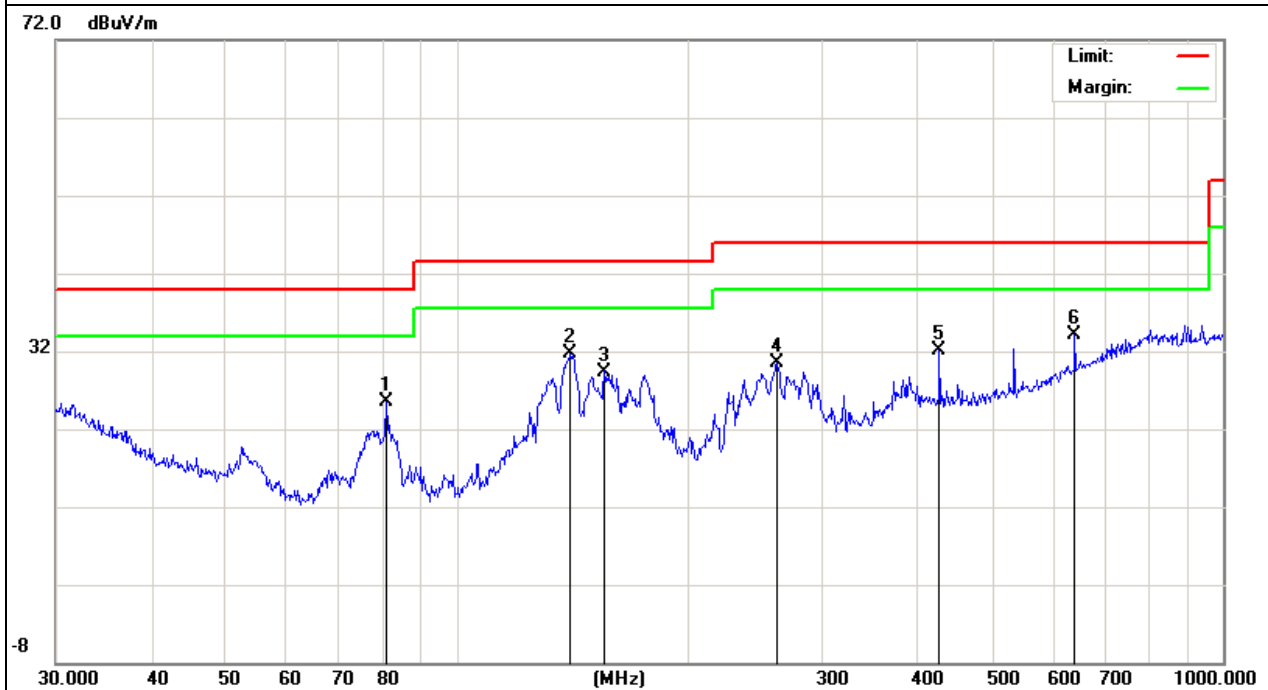
TEST RESULTS (30~1000 MHz)

EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 1	Polarization :	Horizontal
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
80.9275	19.51	6.04	25.55	40.00	-14.45	QP
140.8351	20.47	11.32	31.79	43.50	-11.71	QP
155.9100	18.95	10.45	29.40	43.50	-14.10	QP
261.9753	16.74	13.73	30.47	46.00	-15.53	QP
426.5210	13.18	18.84	32.02	46.00	-13.98	QP
640.6110	10.93	23.22	34.15	46.00	-11.85	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

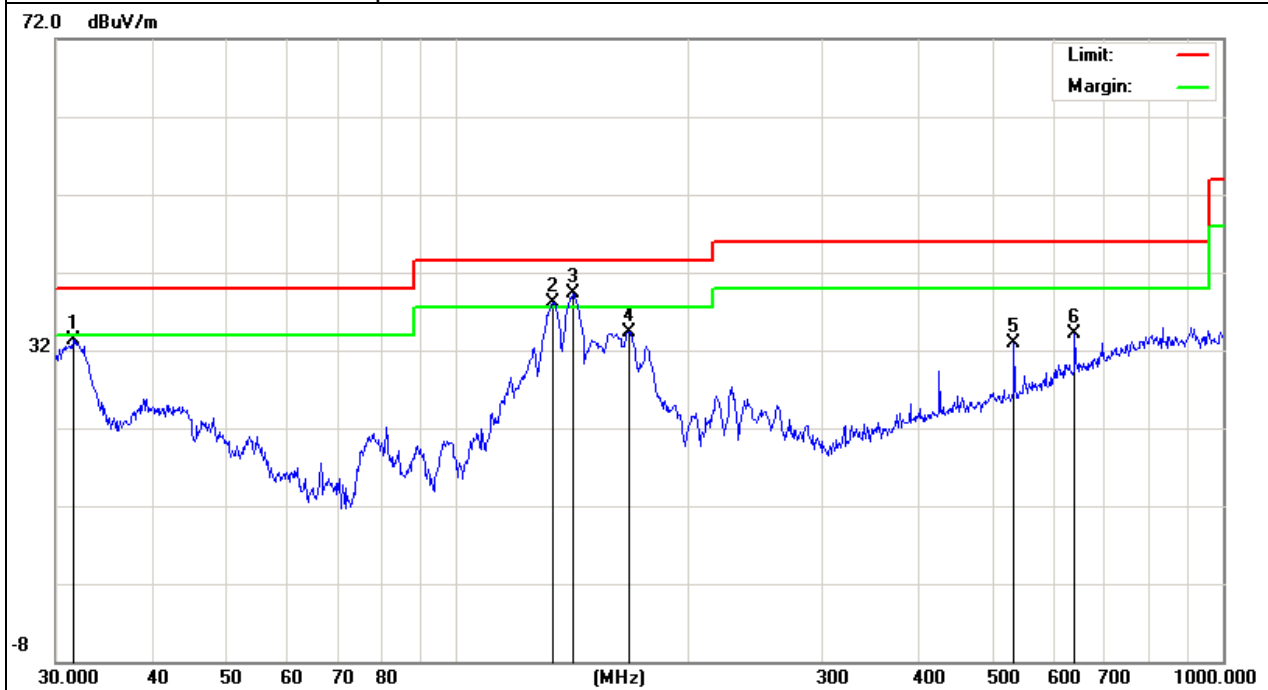


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
31.6202	14.79	18.54	33.33	40.00	-6.67	QP
133.6187	26.36	11.71	38.07	43.50	-5.43	QP
141.8262	28.10	11.23	39.33	43.50	-4.17	QP
167.8242	23.86	10.54	34.40	43.50	-9.10	QP
533.8320	11.99	21.00	32.99	46.00	-13.01	QP
640.6110	10.81	23.22	34.03	46.00	-11.97	QP

Remark:

1. All readings are Peak and Average values.
2. Factor = Antenna Factor + Cable Loss - Amplifier.
3. N/A means All Data have pass Limit

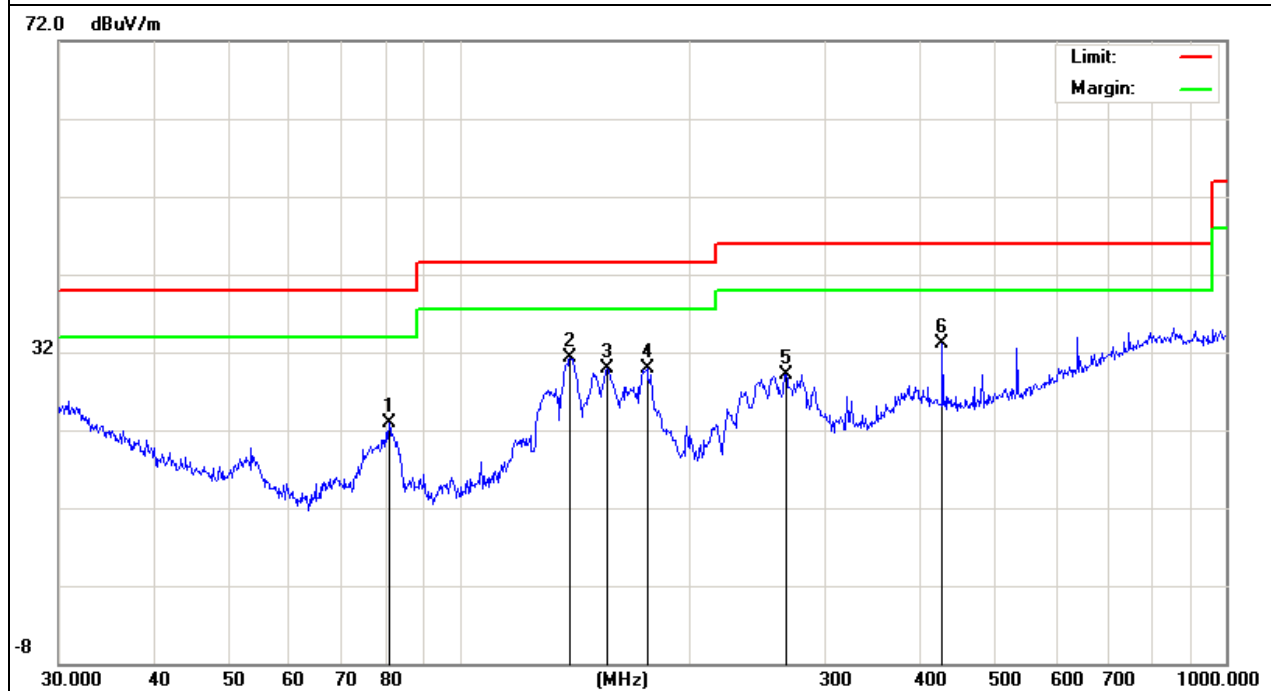


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 2	Polarization :	Horizontal
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
80.9274	16.78	6.04	22.82	40.00	-17.18	QP
139.3613	19.83	11.44	31.27	43.50	-12.23	QP
155.9101	19.44	10.45	29.89	43.50	-13.61	QP
175.6516	19.24	10.60	29.84	43.50	-13.66	QP
266.6089	15.25	13.77	29.02	46.00	-16.98	QP
426.5210	14.19	18.84	33.03	46.00	-12.97	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

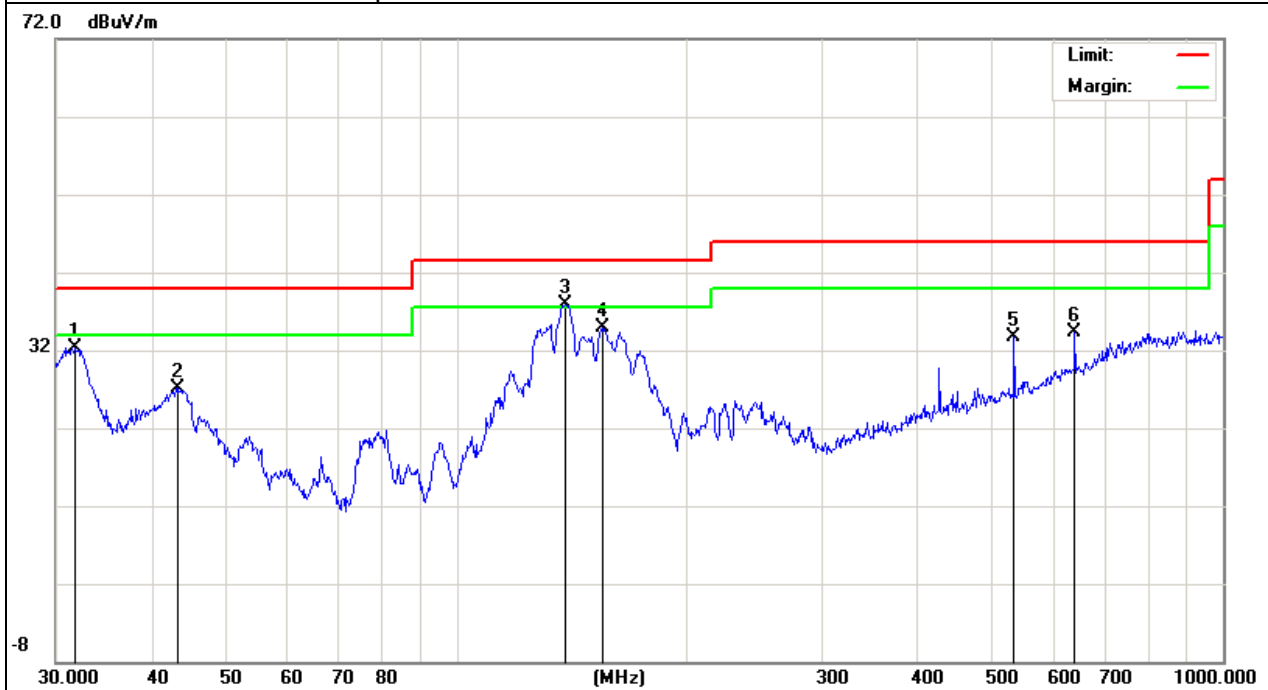


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 2	Polarization :	Vertical
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
31.7313	13.88	18.48	32.36	40.00	-7.64	QP
43.3534	14.69	12.45	27.14	40.00	-12.86	QP
138.3873	26.41	11.48	37.89	43.50	-5.61	QP
155.3644	24.48	10.45	34.93	43.50	-8.57	QP
533.8320	12.63	21.00	33.63	46.00	-12.37	QP
640.6110	11.05	23.22	34.27	46.00	-11.73	QP

Remark:

1. All readings are Peak and Average values.
2. Factor = Antenna Factor + Cable Loss - Amplifier.
3. N/A means All Data have pass Limit

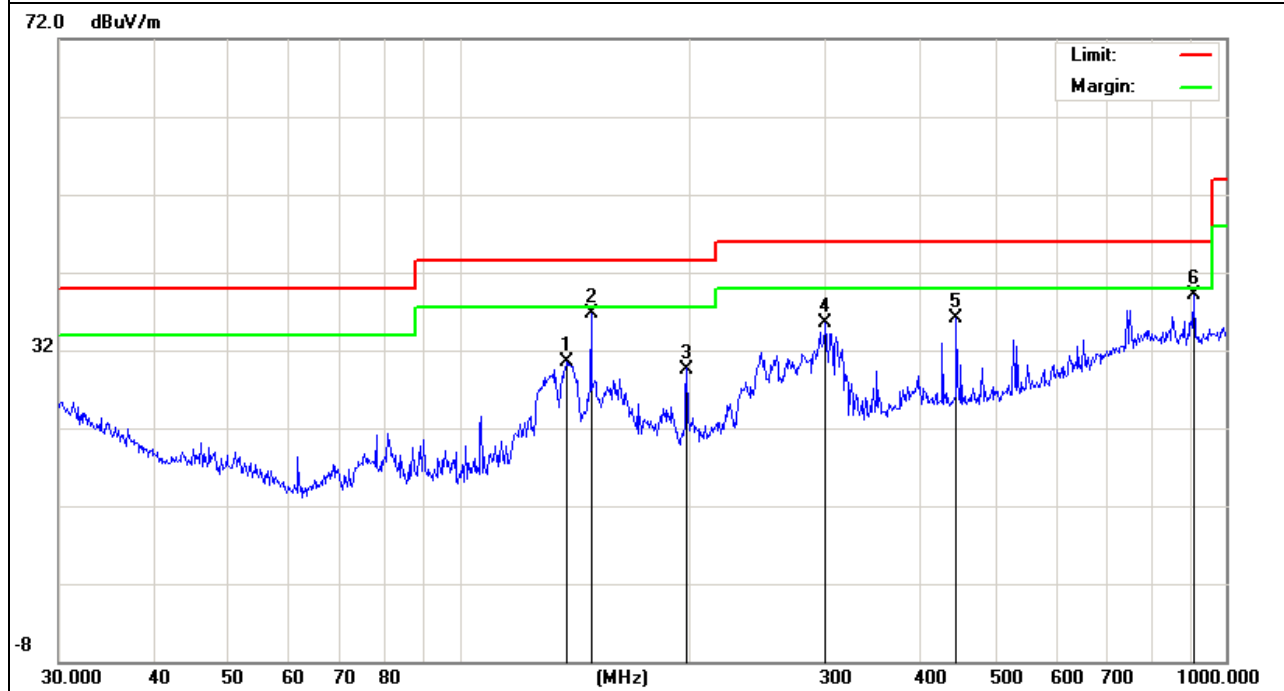


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 3	Polarization :	Horizontal
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
137.9028	18.93	11.51	30.44	43.50	-13.06	QP
148.4410	26.07	10.57	36.64	43.50	-6.86	QP
197.8926	18.83	10.77	29.60	43.50	-13.90	QP
300.3672	21.27	14.16	35.43	46.00	-10.57	QP
444.8514	16.84	19.21	36.05	46.00	-9.95	QP
906.4824	11.99	27.05	39.04	46.00	-6.96	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

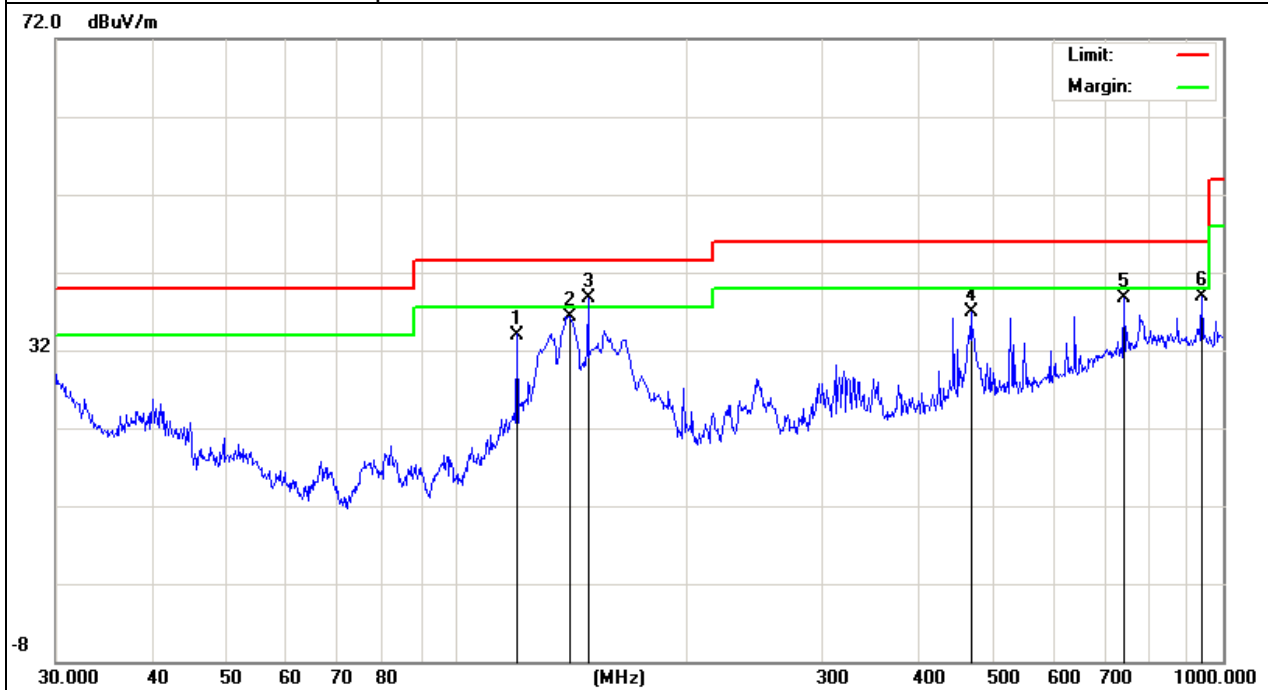


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 3	Polarization :	Vertical
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
119.8556	21.93	12.07	34.00	43.50	-9.50	QP
140.8351	25.01	11.32	36.33	43.50	-7.17	QP
148.4410	28.22	10.57	38.79	43.50	-4.71	QP
468.8762	17.19	19.68	36.87	46.00	-9.13	QP
742.2587	12.80	25.90	38.70	46.00	-7.30	QP
938.8326	11.68	27.25	38.93	46.00	-7.07	QP

Remark:

1. All readings are Peak and Average values.
2. Factor = Antenna Factor + Cable Loss - Amplifier.
3. N/A means All Data have pass Limit

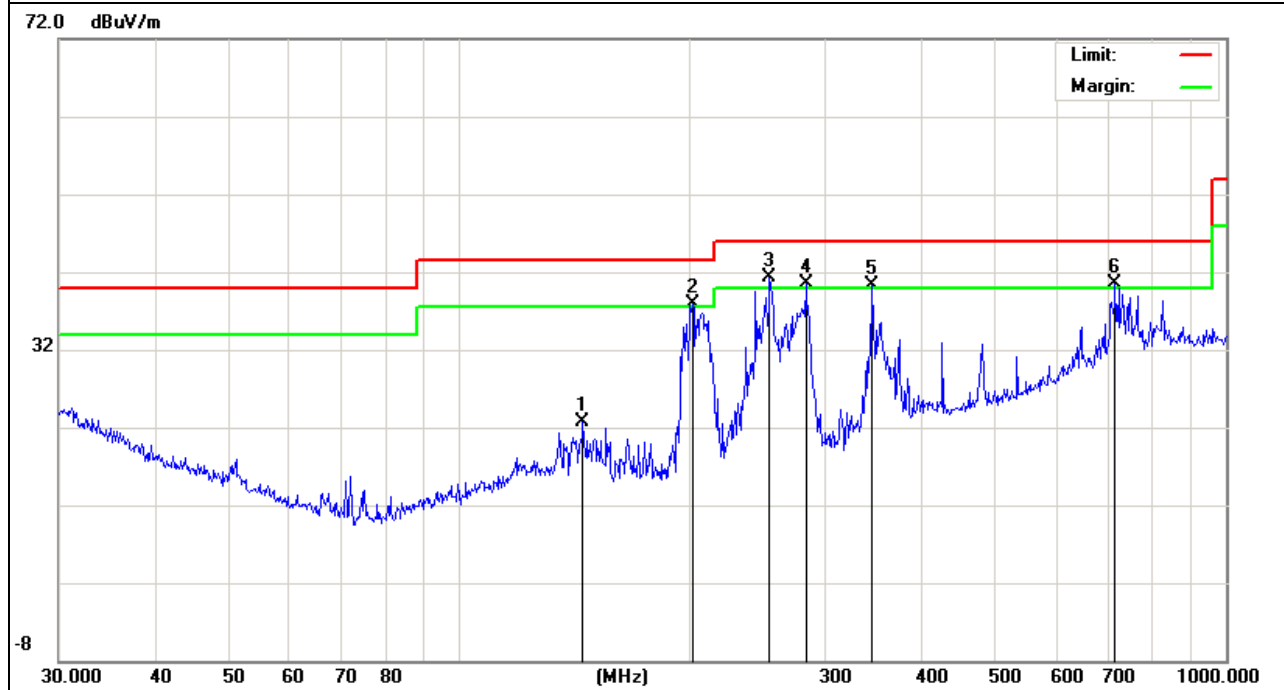


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 4	Polarization :	Horizontal
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
144.8418	11.68	10.93	22.61	43.50	-20.89	QP
201.3930	26.93	10.88	37.81	43.50	-5.69	QP
253.8367	27.76	13.64	41.40	46.00	-4.60	QP
282.9852	26.61	13.95	40.56	46.00	-5.44	QP
345.5951	24.29	16.06	40.35	46.00	-5.65	QP
716.6820	15.34	25.23	40.57	46.00	-5.43	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

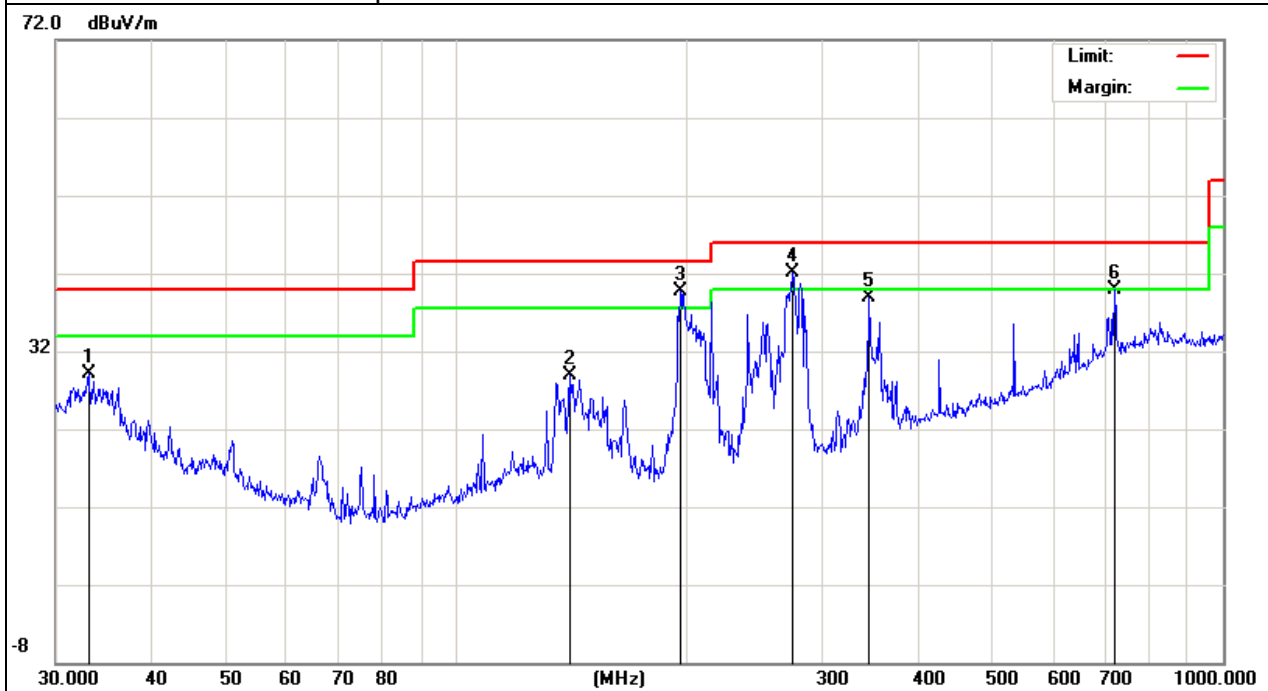


EUT :	Tablet PC	Model Name :	TVE1001I
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2015-04-10
Test Mode :	Mode 4	Polarization :	Vertical
Test Power :	AC 120V/60Hz		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Remark
33.0949	11.47	17.73	29.20	40.00	-10.80	QP
140.3420	17.54	11.37	28.91	43.50	-14.59	QP
195.8220	29.02	10.75	39.77	43.50	-3.73	QP
274.1938	28.27	13.86	42.13	46.00	-3.87	QP
345.5951	22.76	16.06	38.82	46.00	-7.18	QP
721.7259	14.64	25.36	40.00	46.00	-6.00	QP

Remark:

1. All readings are Peak and Average values.
2. Factor = Antenna Factor + Cable Loss - Amplifier.
3. N/A means All Data have pass Limit



3.2.6 TEST RESULTS(1000~12400MHz)

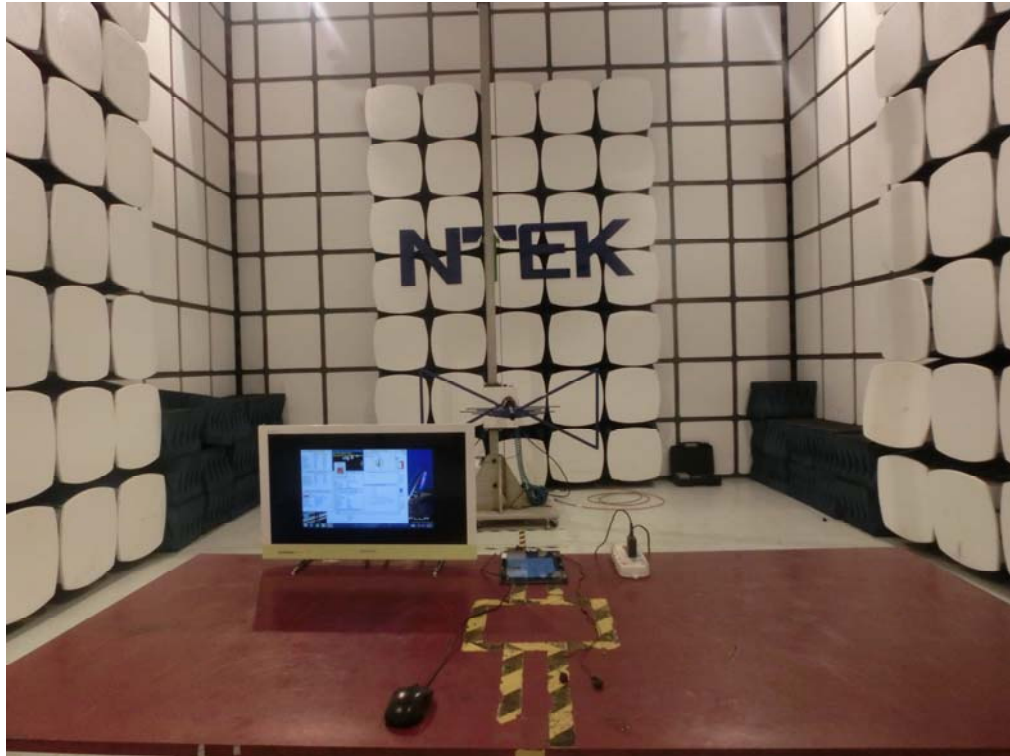
Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
V	1089.811	57.55	-19.58	37.97	74.00	-36.03	peak
V	1551.126	70.47	-16.84	53.63	74.00	-20.37	peak
V	1551.126	53.34	-16.84	36.50	54.00	-17.50	AVG
V	1872.203	60.29	-14.46	45.83	74.00	-28.17	peak
V	2184.107	60.71	-12.40	48.31	74.00	-25.69	peak
V	3125.390	55.91	-11.42	44.49	74.00	-29.51	peak
V	4052.622	49.30	-5.99	43.31	74.00	-30.69	peak
H	1087.86	60.73	-19.58	41.15	74.00	-32.85	peak
H	1559.486	71.23	-16.76	54.47	74.00	-19.53	peak
H	1559.486	53.46	-16.76	36.70	54.00	-17.30	AVG
H	1717.915	64.61	-15.51	49.10	74.00	-24.90	peak
H	2801.799	58.22	-11.67	46.55	74.00	-27.45	peak
H	3130.995	54.89	-11.41	43.48	74.00	-30.52	peak
H	5615.128	45.35	-4.25	41.10	74.00	-32.90	peak

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit

4. EUT TEST PHOTO

Radiated Measurement Photos



Conducted Measurement Photos

