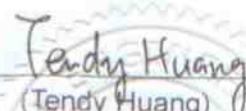
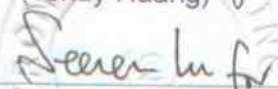



FCC TEST Report

Issued Date : Jun. 10, 2008
Project No. : 0803C086
Equipment : Internet radio/FM RDS table radio
Internet table radio
Model Name : NetWorks; NetWorks
Applicant : Tivoli Audio, LLC
Address : The Fargo Building 451 D Street, 9th Floor Boston
MA 02210 USA

Tested by:
Neutron Engineering Inc. EMC Laboratory

Date of Test:
Apr. 21, 2008 ~ Jun. 06, 2008

Testing Engineer : 
(Tandy Huang)
Technical Manager : 
(Vic Chiu)
Authorized Signatory : 
(Steven Lu)

NEUTRON ENGINEERING INC.

B1, No.37, Lane 365, Yang Guang St., NeiHu
District 114., Taipei, Taiwan
TEL : (02) 2657-3299 FAX : (02) 2657-3331



Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

Neutron's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **Neutron** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **Neutron** issued reports.

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Neutron's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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1. CERTIFICATION

Equipment : Internet radio/FM RDS table radio
Internet table radio
Trade Name : Tivoli Audio
Model Name. : NetWorks; NetWorks
Applicant : Tivoli Audio,LLC
Date of Test : Apr. 21, 2008 ~ Jun. 06, 2008
Test Item : ENGINEERING SAMPLE
Standards : FCC Part 15, Subpart B, Class B
CISPR 22: 1997+A1: 2000, Class B
ANSI C63.4-2003

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCE-1-0803C086) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15, Subpart B CISPR 22:1997+A1: 2000	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **C01/OS02** at the location of No.132-1, Lane 329, Sec. 2, Palain Road, Shijr City, Taipei, Taiwan.

2.2 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
C01	ANSI	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (dB)	NOTE
OS01	ANSI	30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.60	
		200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	H	3.94	
OS02	ANSI	30MHz ~ 200MHz	V	2.48	
		30MHz ~ 200MHz	H	2.16	
		200MHz ~ 1,000MHz	V	2.50	
		200MHz ~ 1,000MHz	H	2.66	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Internet radio/FM RDS table radio Internet table radio																	
Trade Name	Tivoli Audio																	
Model Name	NetWorks; NetWorks																	
OEM Brand/Model No.	N/A																	
Model Difference	The equipment models NetWorks and NetWorks are internet radio, video and similar electronic apparatus. Models difference see note 4.																	
Product Description	<p>The EUT is a Internet radio/FM RDS table radio.</p> <table border="1"> <tr> <td>Operation Frequency:</td> <td>2412~2462 MHz</td> </tr> <tr> <td>Product Class:</td> <td>Class 1</td> </tr> <tr> <td>Receiver Class:</td> <td>Class 3</td> </tr> <tr> <td>Modulation Type:</td> <td>DSSS & OFDM</td> </tr> <tr> <td>Bit Rate of Transmitter</td> <td>802.11b:11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps</td> </tr> <tr> <td>Number Of Channel</td> <td>11 CH, Please see Note 2.</td> </tr> <tr> <td>Antenna Designation:</td> <td rowspan="2">Please see Note 3.</td> </tr> <tr> <td>Antenna Gain(Peak)</td> </tr> <tr> <td>Output Power:</td> <td>11B:16.90dBm 11G:15.94dBm</td> </tr> </table> <p>Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</p>	Operation Frequency:	2412~2462 MHz	Product Class:	Class 1	Receiver Class:	Class 3	Modulation Type:	DSSS & OFDM	Bit Rate of Transmitter	802.11b:11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps	Number Of Channel	11 CH, Please see Note 2.	Antenna Designation:	Please see Note 3.	Antenna Gain(Peak)	Output Power:	11B:16.90dBm 11G:15.94dBm
Operation Frequency:	2412~2462 MHz																	
Product Class:	Class 1																	
Receiver Class:	Class 3																	
Modulation Type:	DSSS & OFDM																	
Bit Rate of Transmitter	802.11b:11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps																	
Number Of Channel	11 CH, Please see Note 2.																	
Antenna Designation:	Please see Note 3.																	
Antenna Gain(Peak)																		
Output Power:	11B:16.90dBm 11G:15.94dBm																	
Power Source	DC Voltage supplied from AC Mains(AC transformer) Model name:TPIT-033174																	
Power Rating	I/P :120V/60Hz O/P: 11.7VAC 1000mA																	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.

Channel List							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Inverted-F Antenna	N/A	-3.0

4 Models difference:

Product name	Model	DAB function	FM function
Internet radio/FM RDS table radio	NetWorks	No	Yes
Internet table radio	NetWorks	No	No

3.2 DESCRIPTION OF TEST MODES

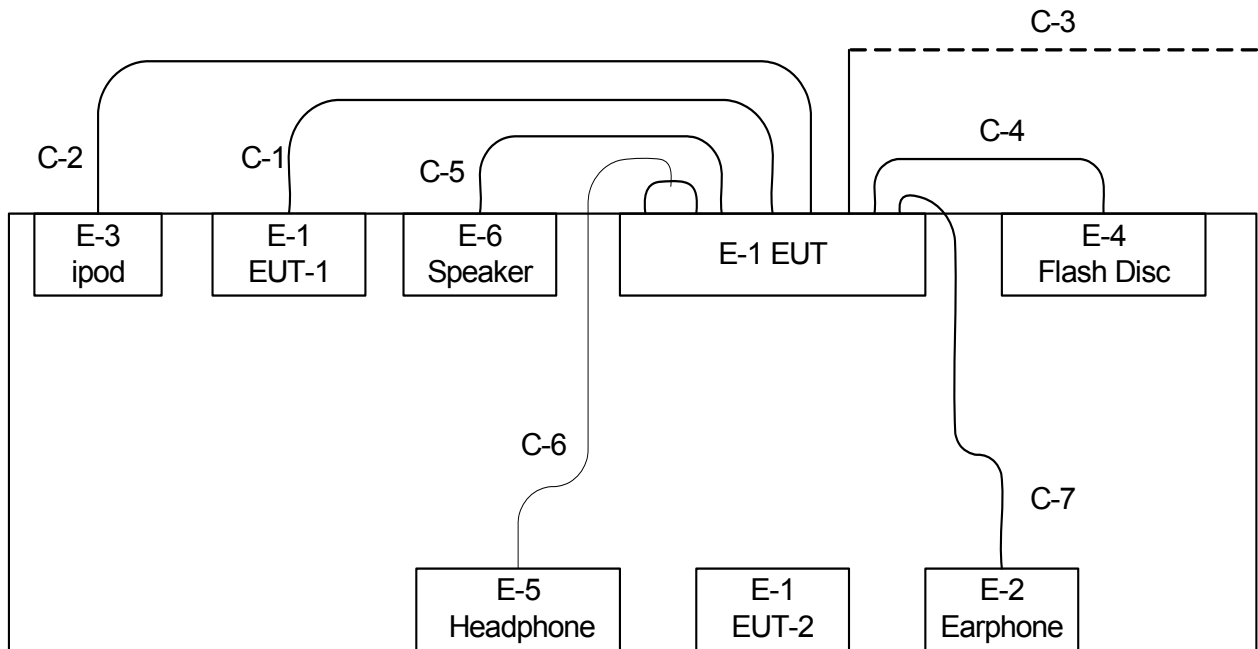
To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration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

Pretest Mode	Description
	Internet radio/FM RDS table radio
Mode 1	Normal Link –USB Play
Mode 2	Normal Link –FM 87.5MHz
Mode 3	Normal Link –FM 97.5MHz
Mode 4	Normal Link –FM 107.5MHz
Mode 5	Normal Link –Internet Radio

For Conducted Test	
Final Test Mode	Description
Mode 1	Normal Link –USB Play
Mode 2	Normal Link –FM 87.5MHz
Mode 3	Normal Link –FM 97.5MHz
Mode 4	Normal Link –FM 107.5MHz
Mode 5	Normal Link –Internet Radio

For Radiated Test	
Final Test Mode	Description
Mode 1	Normal Link –USB Play
Mode 2	Normal Link –FM 87.5MHz
Mode 3	Normal Link –FM 97.5MHz
Mode 4	Normal Link –FM 107.5MHz
Mode 5	Normal Link –Internet Radio

3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



- C-1: AUDIO cable
- C-2: AUDIO cable
- C-3: RJ-45 cable
- C-4: USB cable
- C-5: AUDIO cable
- C-6: AUDIO cable
- C-7: AUDIO cable

3.1 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Internet radio/FM RDS table radio	Tivoli Audio	NetWorks	V7JNETWORKS	N/A	EUT
E-2	Earphone	apple	N/A	N/A	N/A	
E-3	iPod nano (2G)	Apple	A1199	DOC	YM7214GEVQ5	
E-4	Flash Disk	Kingston	DTI	DOC	520B21E4-819957C	
E-5	Headphone	sony	N/A	N/A	N/A	
E-6	Speaker	DELUX	N/A	N/A	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	4.5M	
C-2	YES	NO	1.5M	
C-3	YES	NO	10M	
C-4	YES	NO	0.5M	
C-5	YES	NO	1.5M	
C-6	YES	NO	1.8M	
C-7	NO	NO	1M	

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.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 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.

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00042991	Jan. 24, 2009
2	LISN	EMCO	3816/2	00042990	Jan. 24, 2009
3	Pulse Limiter	Electro-Metrics	EM-7600	112644	Nov. 27, 2008
4	50Ω Terminator	N/A	N/A	N/A	May.12, 2009
5	Test Cable	N/A	C01	N/A	Nov. 27, 2008
6	EMI Test Receiver	R&S	ESCI	100082	Mar. 07, 2009

Remark: " N/A" denotes No Model No. , Serial No. or No Calibration specified.

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

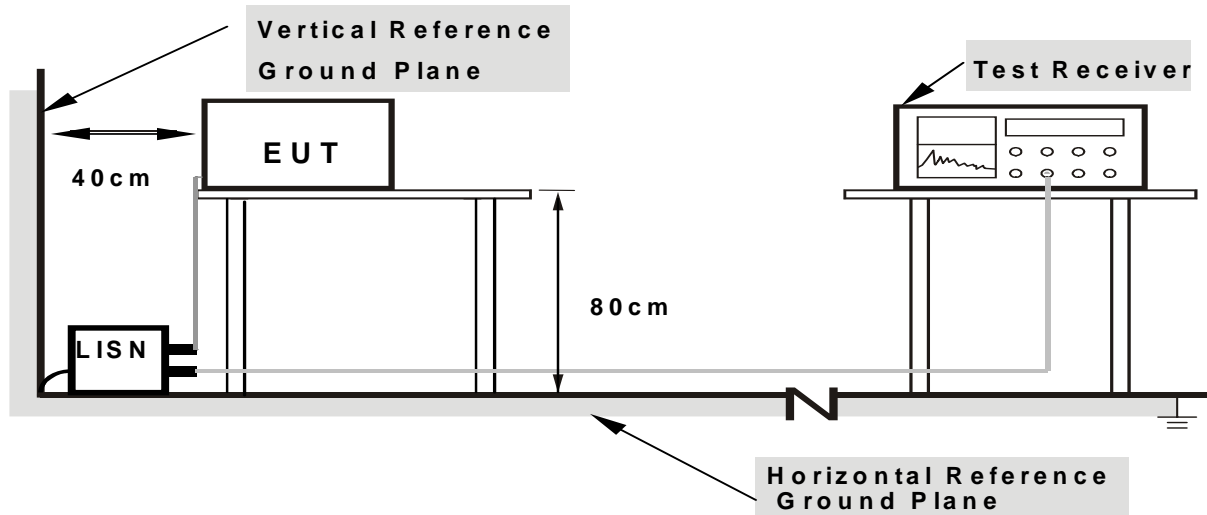
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 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.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 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

4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

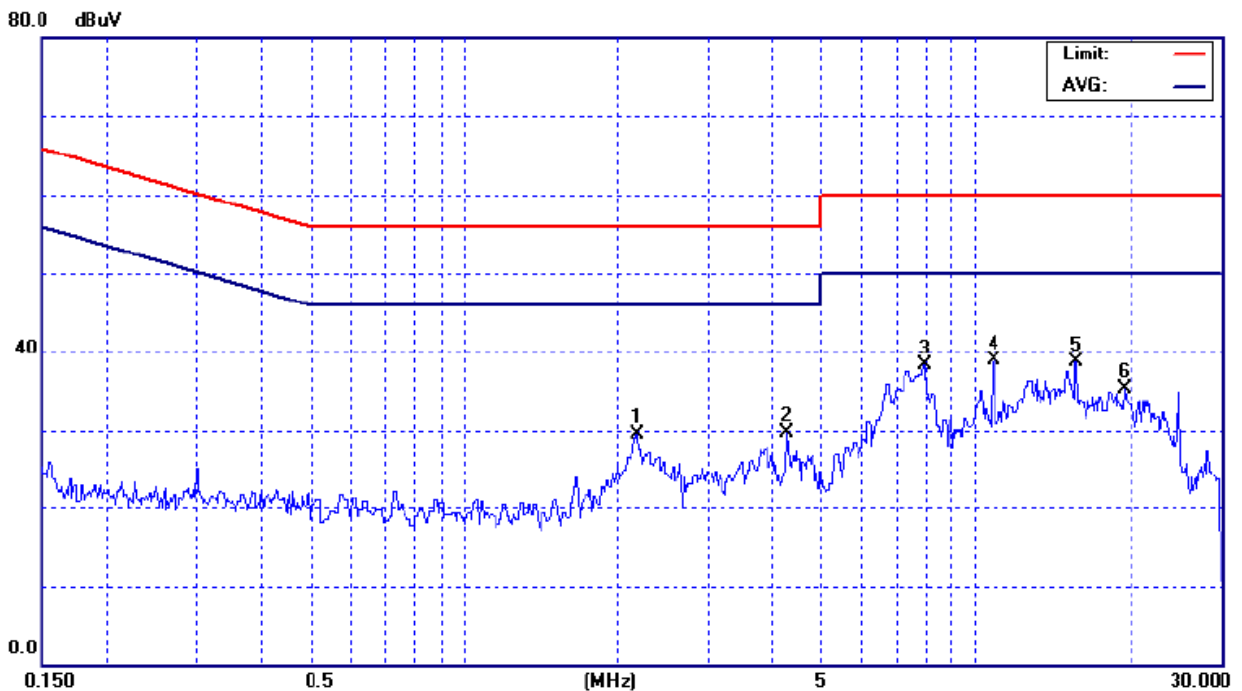
4.1.7 TEST RESULTS

EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 1- USB PLAY		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.19	Line	29.45	*	56.00	46.00	-26.55	(QP)
4.29	Line	29.61	*	56.00	46.00	-26.39	(QP)
7.94	Line	38.22	*	60.00	50.00	-21.78	(QP)
10.81	Line	38.81	*	60.00	50.00	-21.19	(QP)
15.69	Line	38.62	*	60.00	50.00	-21.38	(QP)
19.50	Line	35.32	*	60.00	50.00	-24.68	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

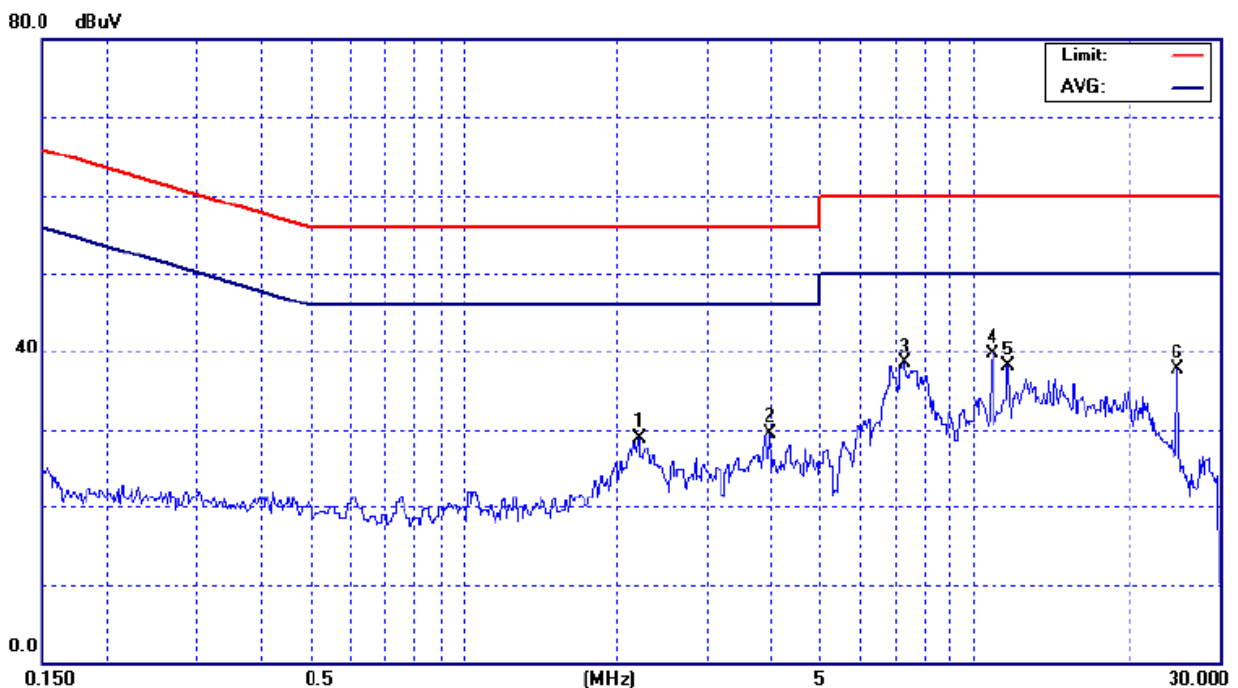


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 1- USB PLAY		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.21	Neutral	28.92	*	56.00	46.00	-27.08	(QP)
3.98	Neutral	29.54	*	56.00	46.00	-26.46	(QP)
7.31	Neutral	38.42	*	60.00	50.00	-21.58	(QP)
10.88	Neutral	39.75	*	60.00	50.00	-20.25	(QP)
11.63	Neutral	38.07	*	60.00	50.00	-21.93	(QP)
25.00	Neutral	37.78	*	60.00	50.00	-22.22	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note". If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

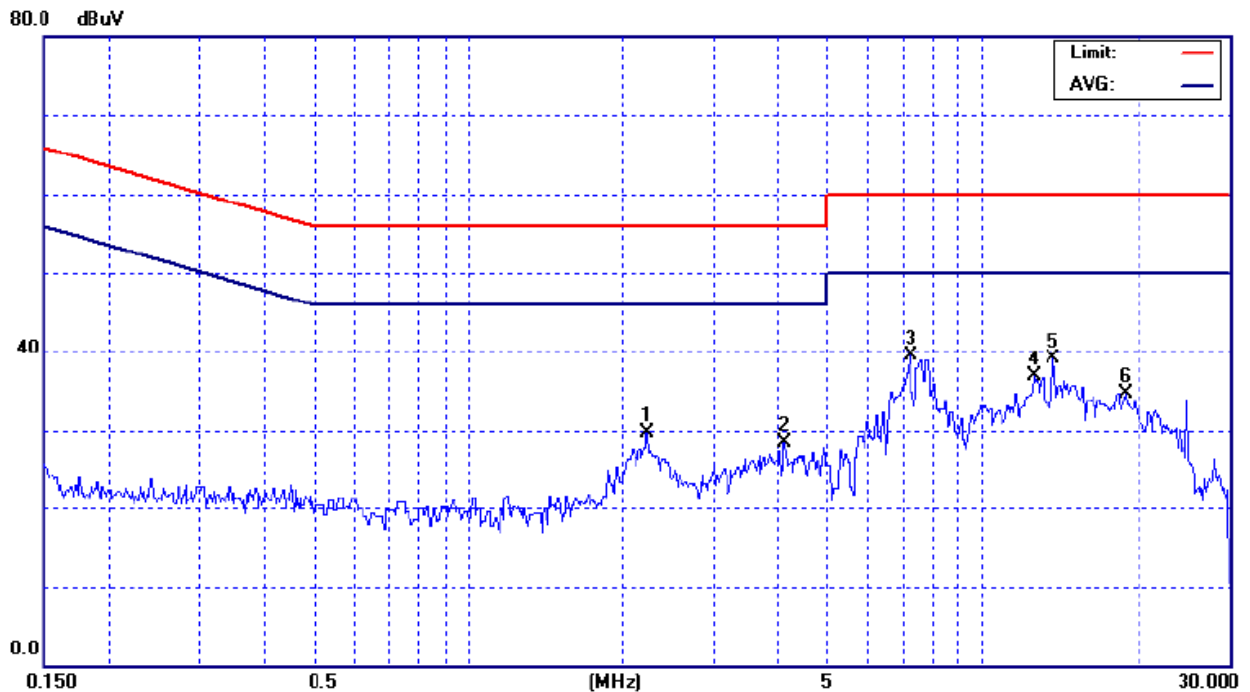


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 2- FM 87.5MHz		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.23	Line	29.67	*	56.00	46.00	-26.33	(QP)
4.12	Line	28.57	*	56.00	46.00	-27.43	(QP)
7.25	Line	39.44	*	60.00	50.00	-20.56	(QP)
12.63	Line	36.93	*	60.00	50.00	-23.07	(QP)
13.75	Line	39.09	*	60.00	50.00	-20.91	(QP)
19.00	Line	34.69	*	60.00	50.00	-25.31	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note". If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

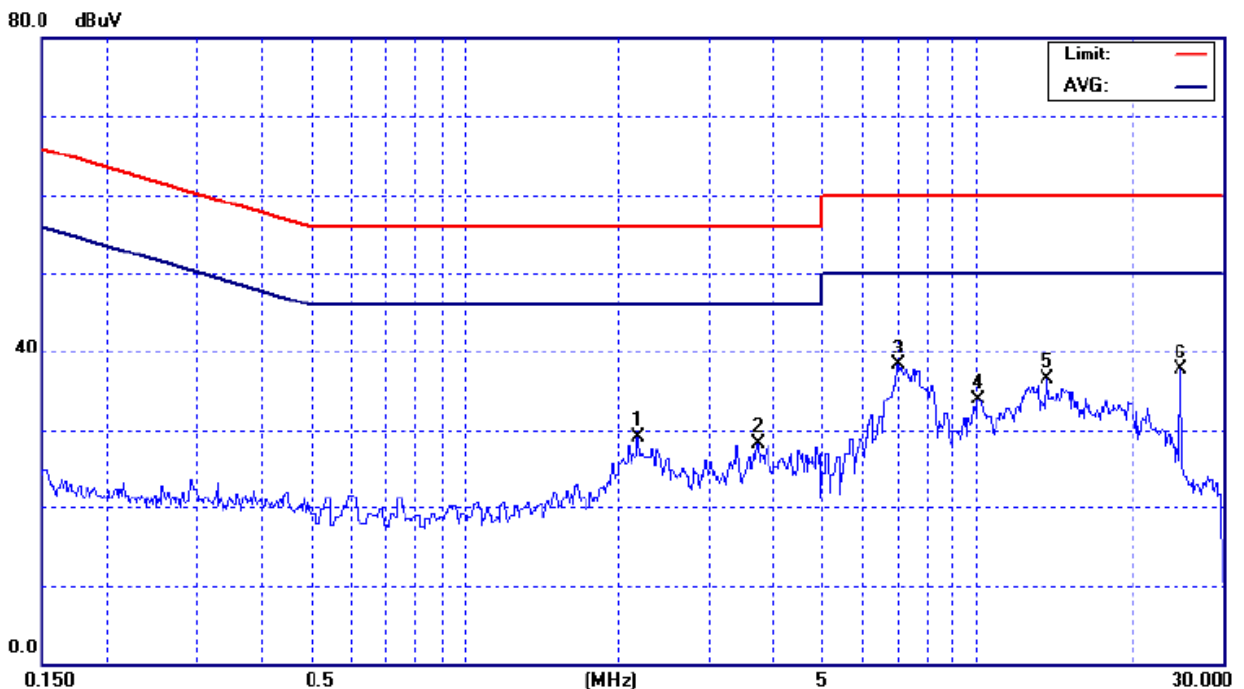


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 2- FM 87.5MHz		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.19	Neutral	29.04	*	56.00	46.00	-26.96	(QP)
3.73	Neutral	28.29	*	56.00	46.00	-27.71	(QP)
7.00	Neutral	38.23	*	60.00	50.00	-21.77	(QP)
10.06	Neutral	34.00	*	60.00	50.00	-26.00	(QP)
13.75	Neutral	36.56	*	60.00	50.00	-23.44	(QP)
25.00	Neutral	37.69	*	60.00	50.00	-22.31	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note". If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

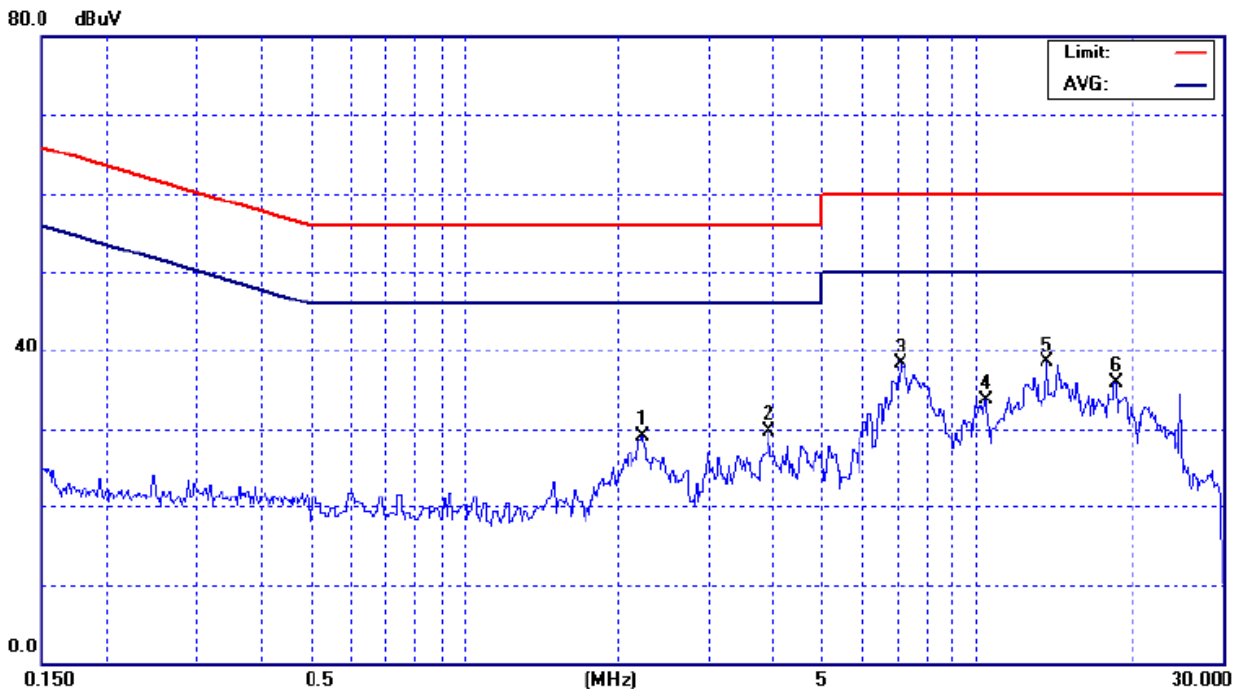


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 3 -FM 97.5MHz		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.23	Line	29.19	*	56.00	46.00	-26.81	(QP)
3.93	Line	29.77	*	56.00	46.00	-26.23	(QP)
7.13	Line	38.31	*	60.00	50.00	-21.69	(QP)
10.38	Line	33.73	*	60.00	50.00	-26.27	(QP)
13.75	Line	38.54	*	60.00	50.00	-21.46	(QP)
18.63	Line	35.88	*	60.00	50.00	-24.12	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

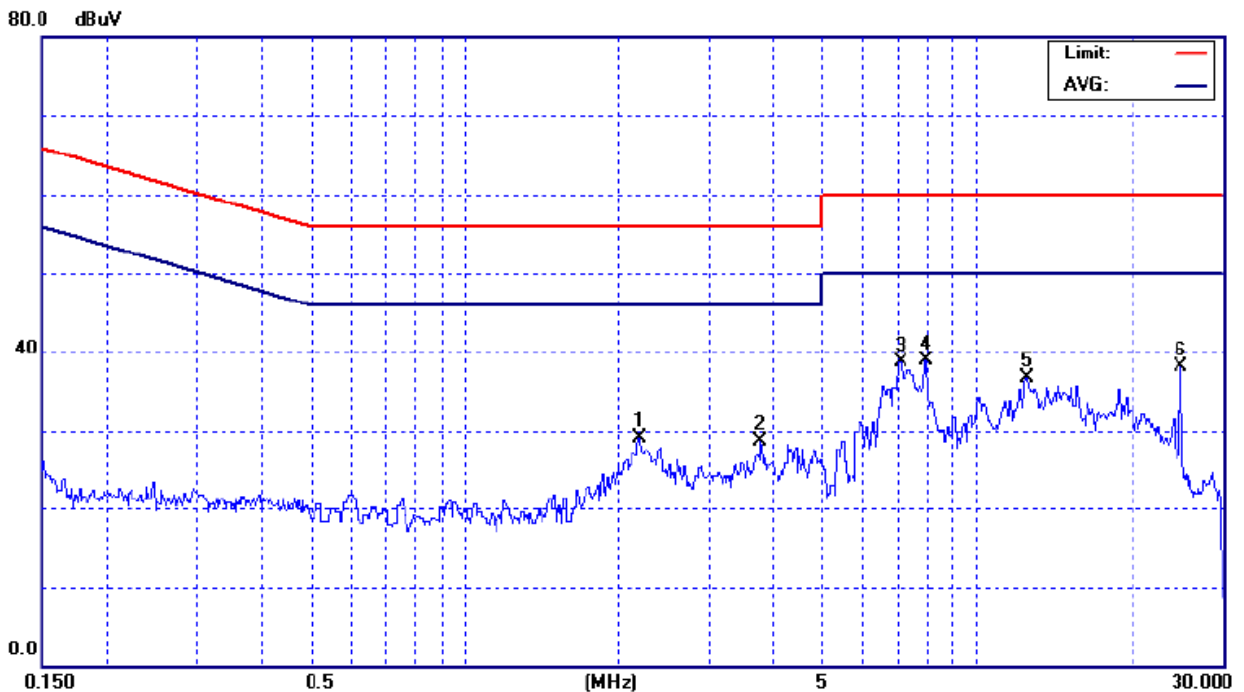


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 3 -FM 97.5MHz		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.20	Neutral	29.06	*	56.00	46.00	-26.94	(QP)
3.77	Neutral	28.72	*	56.00	46.00	-27.28	(QP)
7.06	Neutral	38.74	*	60.00	50.00	-21.26	(QP)
7.94	Neutral	38.86	*	60.00	50.00	-21.14	(QP)
12.50	Neutral	36.70	*	60.00	50.00	-23.30	(QP)
25.00	Neutral	38.04	*	60.00	50.00	-21.96	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note". If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

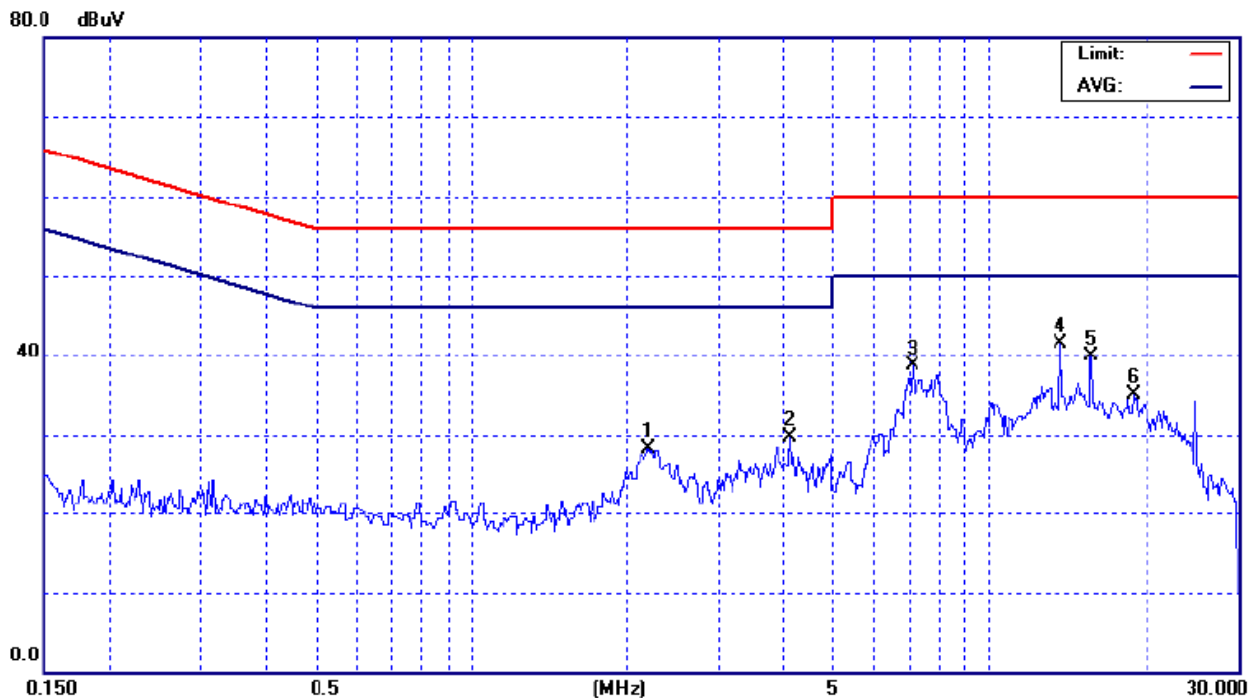


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 4 -FM 107.5MHz		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
2.20	Line	28.32	*	56.00	46.00	-27.68	(QP)
4.13	Line	29.69	*	56.00	46.00	-26.31	(QP)
7.13	Line	38.65	*	60.00	50.00	-21.35	(QP)
13.75	Line	41.52	*	60.00	50.00	-18.48	(QP)
15.69	Line	40.00	*	60.00	50.00	-20.00	(QP)
19.00	Line	35.19	*	60.00	50.00	-24.81	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

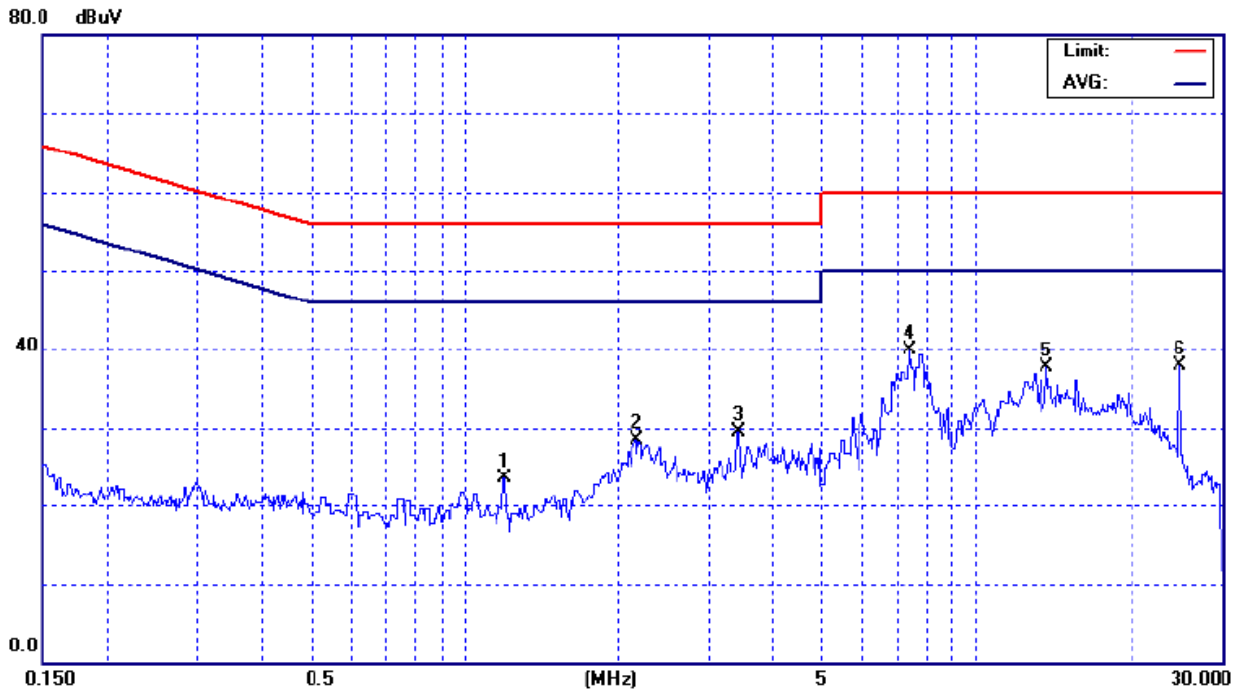


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 4 -FM 107.5MHz		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
1.20	Neutral	23.57	*	56.00	46.00	-32.43	(QP)
2.17	Neutral	28.47	*	56.00	46.00	-27.53	(QP)
3.43	Neutral	29.46	*	56.00	46.00	-26.54	(QP)
7.44	Neutral	39.81	*	60.00	50.00	-20.19	(QP)
13.75	Neutral	37.66	*	60.00	50.00	-22.34	(QP)
25.00	Neutral	37.96	*	60.00	50.00	-22.04	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note". If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

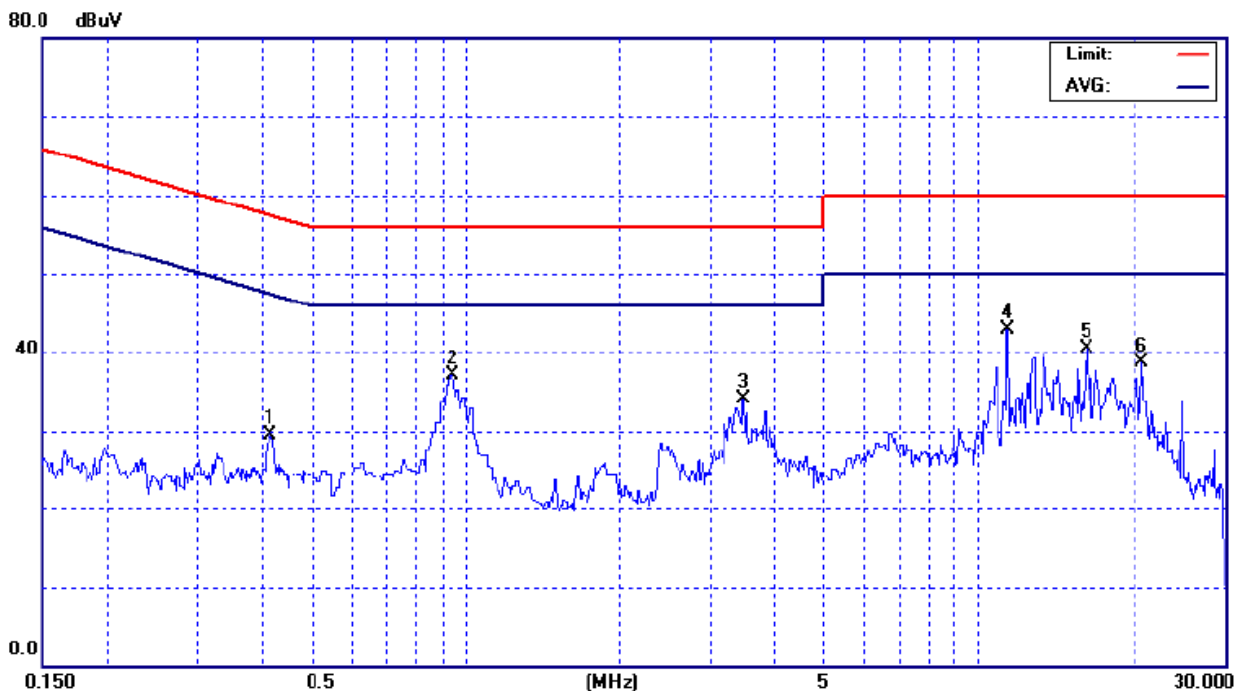


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 5- Internet Radio		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.42	Line	29.60	*	57.53	47.53	-27.93	(QP)
0.94	Line	37.09	*	56.00	46.00	-18.91	(QP)
3.48	Line	34.04	*	56.00	46.00	-21.96	(QP)
11.44	Line	42.99	*	60.00	50.00	-17.01	(QP)
16.25	Line	40.51	*	60.00	50.00	-19.49	(QP)
20.81	Line	38.77	*	60.00	50.00	-21.23	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

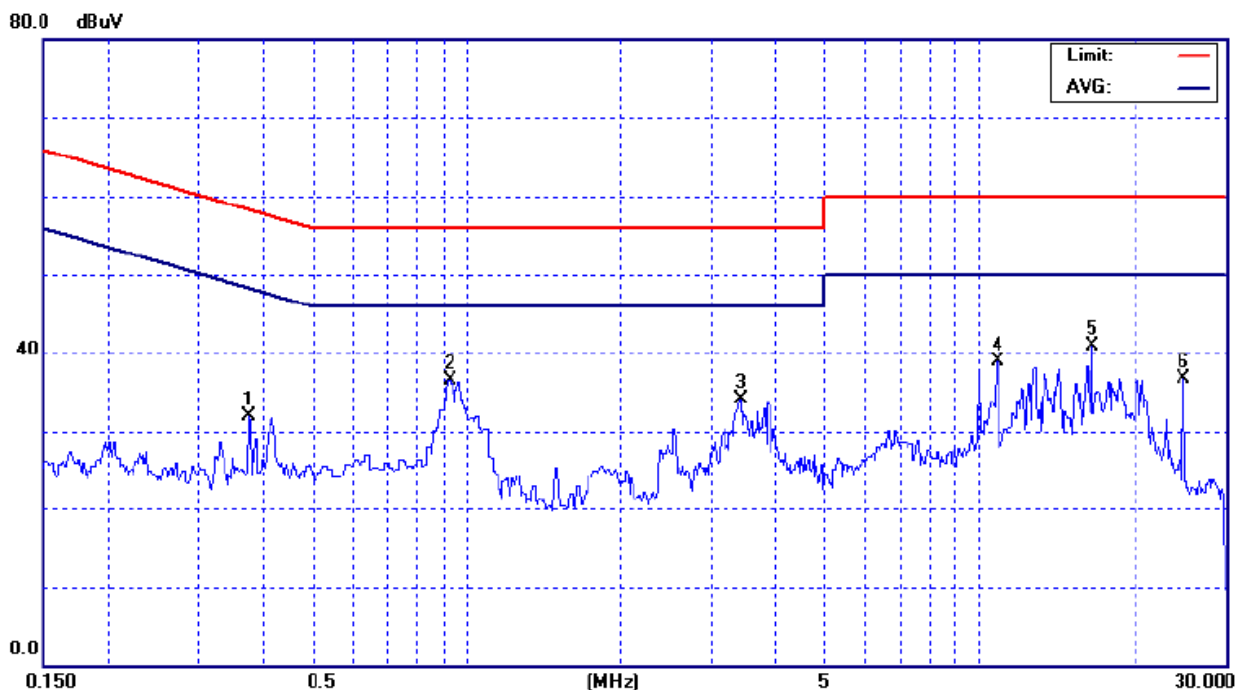


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1008hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 5- Internet Radio		

Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.38	Neutral	31.87	*	58.35	48.35	-26.48	(QP)
0.93	Neutral	36.54	*	56.00	46.00	-19.46	(QP)
3.43	Neutral	34.09	*	56.00	46.00	-21.91	(QP)
10.81	Neutral	38.82	*	60.00	50.00	-21.18	(QP)
16.56	Neutral	40.91	*	60.00	50.00	-19.09	(QP)
25.00	Neutral	36.72	*	60.00	50.00	-23.28	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note". If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Notes:

- (1) The limit for radiated test was performed according to as following: CISPR 22/ FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

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

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Log-Bicon Antenna	Schwarzbeck	VULB 9160	3058	Nov. 27, 2008
2	Test Cable	N/A	10M_OS02	N/A	Nov. 27, 2008
3	Test Cable	N/A	OS02-1/-2/-3	N/A	Nov. 27, 2008
4	Pre-Amplifier	Anritsu	MH648A	M09961	Nov. 27, 2008
5	EMI Test Receiver	R&S	ESCI	100082	Jan. 30, 2009
6	Antenna Mast	Chance Most	CMTB-1.5	N/A	N/A
7	Turn Table	Chance Most	CMTB-1.5	N/A	N/A
8	Spectrum Analyzer	R&S	FSP_40	100129	Jan. 07, 2009
9	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-325	Oct. 24, 2008
10	Horn Antenna	Schwarzbeck	BBHA9170	9170187	Oct. 24, 2008
11	Microwave Pre amplifier	Agilent	8449B	3008A01714	Mar. 09, 2009
12	Microflex Cable	United Microwave	57793	1m	Mar. 09, 2009
13	Microflex Cable	United Microwave	A30A30-500 6	10M	Jul. 07, 2008

Remark: " N/A" denotes No Model No. / Serial No. and No Calibration specified.

4.2.3 TEST PROCEDURE

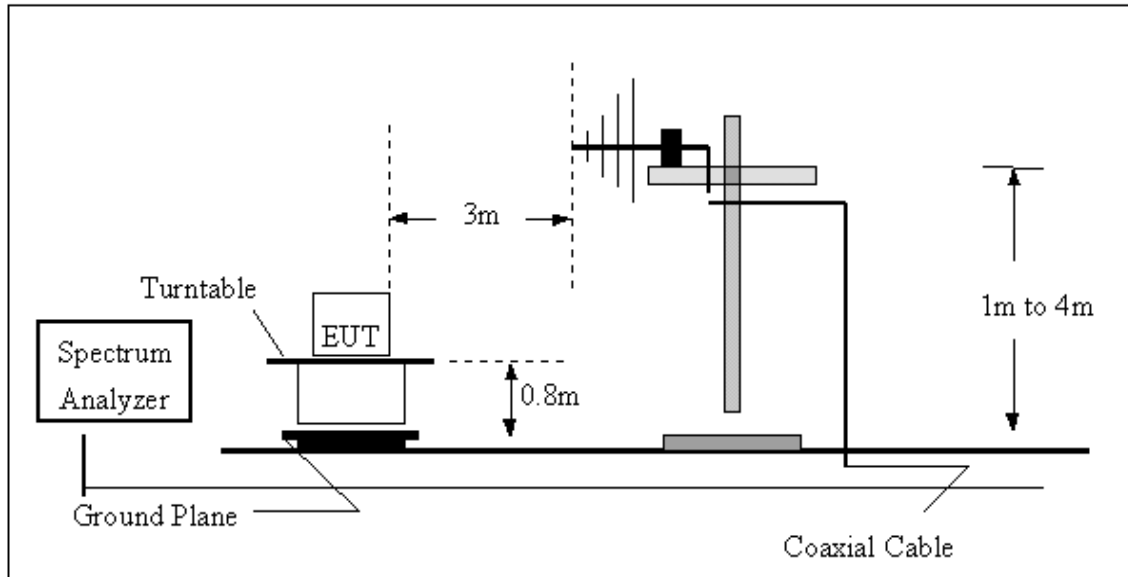
- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

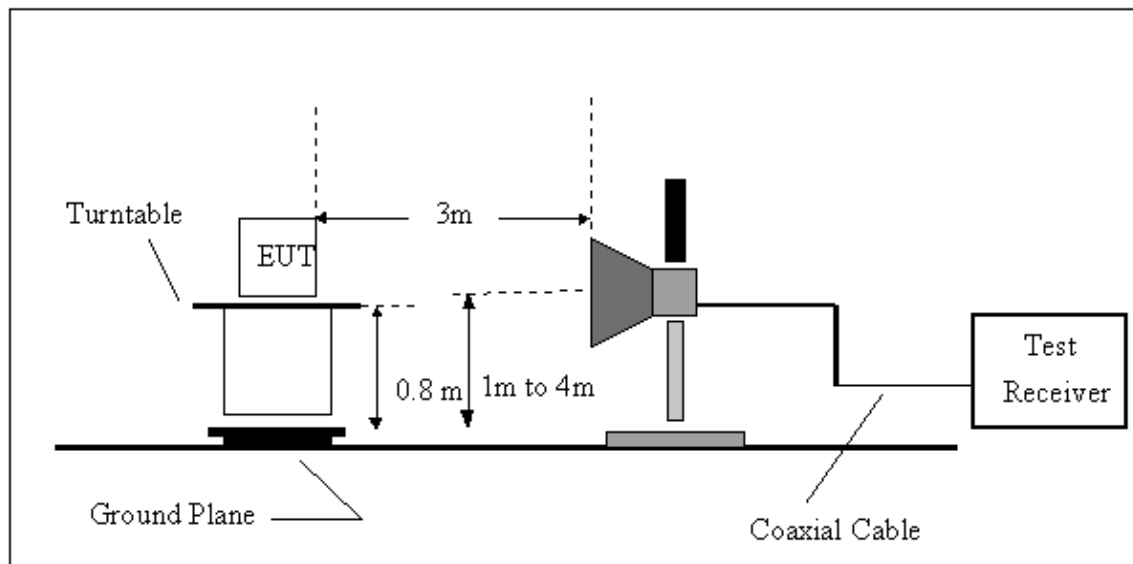
No deviation

4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

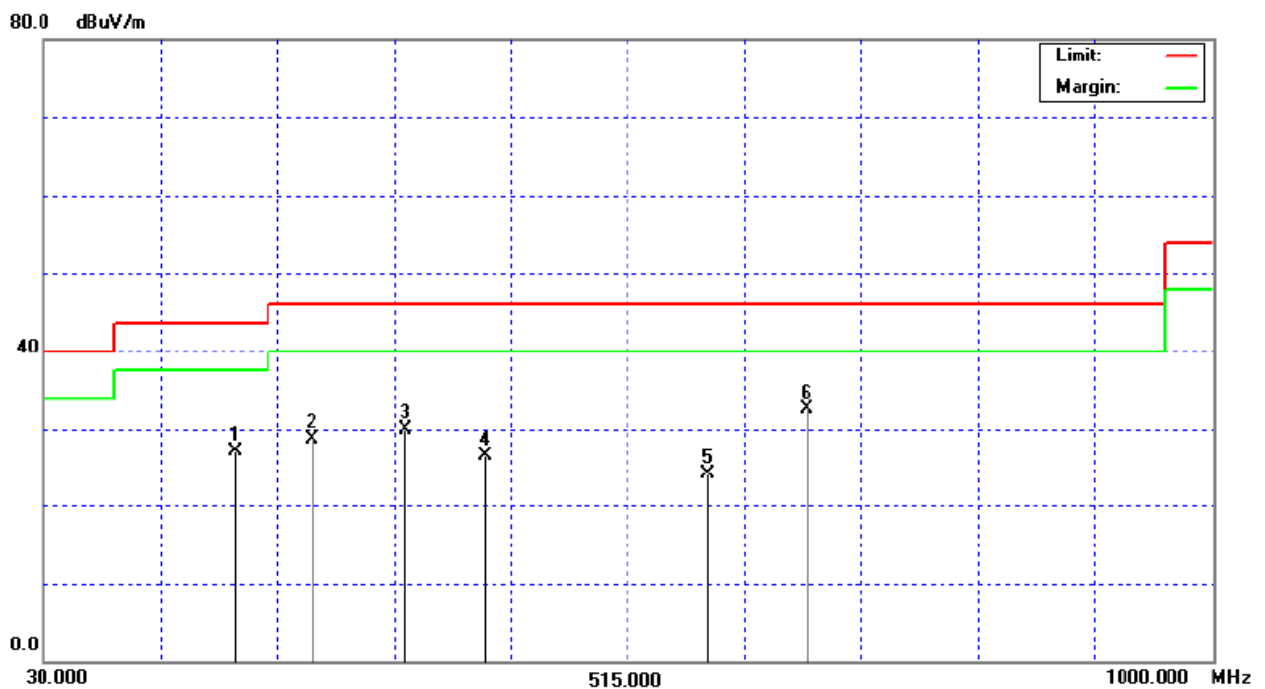
4.2.7 TEST RESULTS (30~1000MHz)

EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	RX CH01 11B		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
189.08	V	46.32	-19.15	27.17	43.50	- 16.33	
253.10	V	45.29	-16.63	28.66	46.00	- 17.34	
330.70	V	43.65	-13.83	29.82	46.00	- 16.18	
396.66	V	38.79	-12.36	26.43	46.00	- 19.57	
580.96	V	33.02	-8.90	24.12	46.00	- 21.88	
664.38	V	39.31	-6.81	32.50	46.00	- 13.50	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

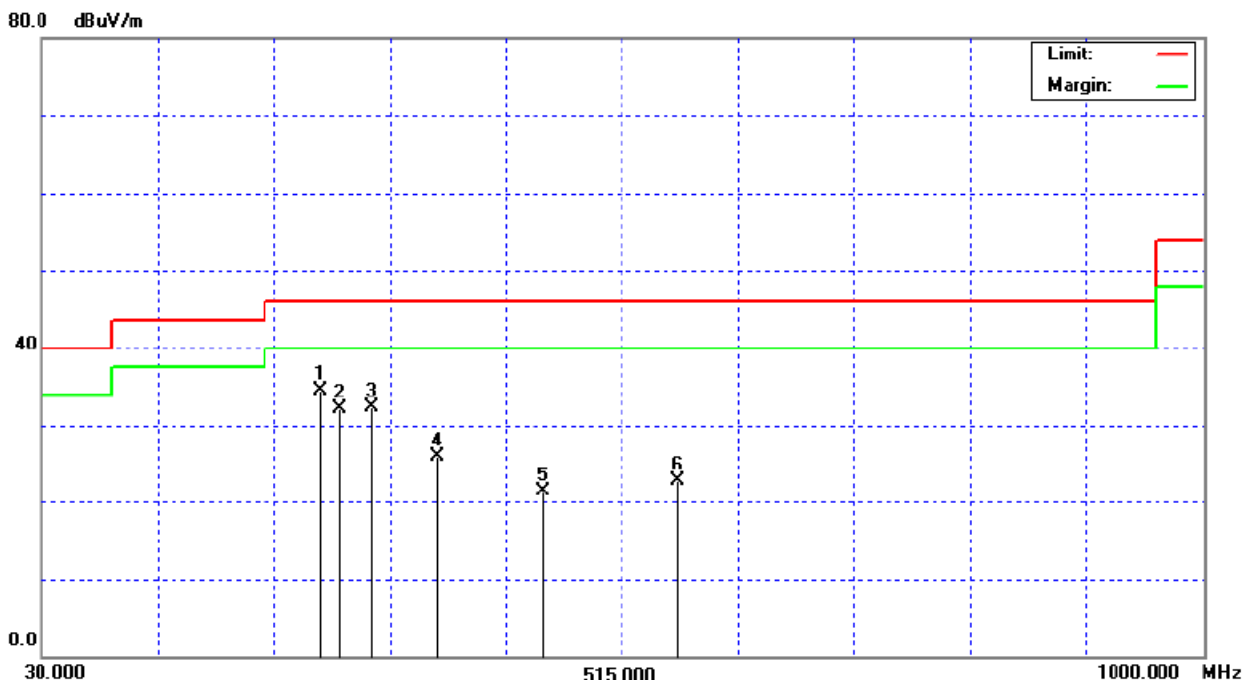


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	RX CH01 11B		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
262.80	H	50.87	-16.42	34.45	46.00	- 11.55	
278.32	H	48.13	-15.98	32.15	46.00	- 13.85	
305.48	H	46.98	-14.71	32.27	46.00	- 13.73	
359.80	H	39.04	-13.13	25.91	46.00	- 20.09	
449.04	H	32.84	-11.59	21.25	46.00	- 24.75	
561.56	H	31.89	-9.18	22.71	46.00	- 23.29	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

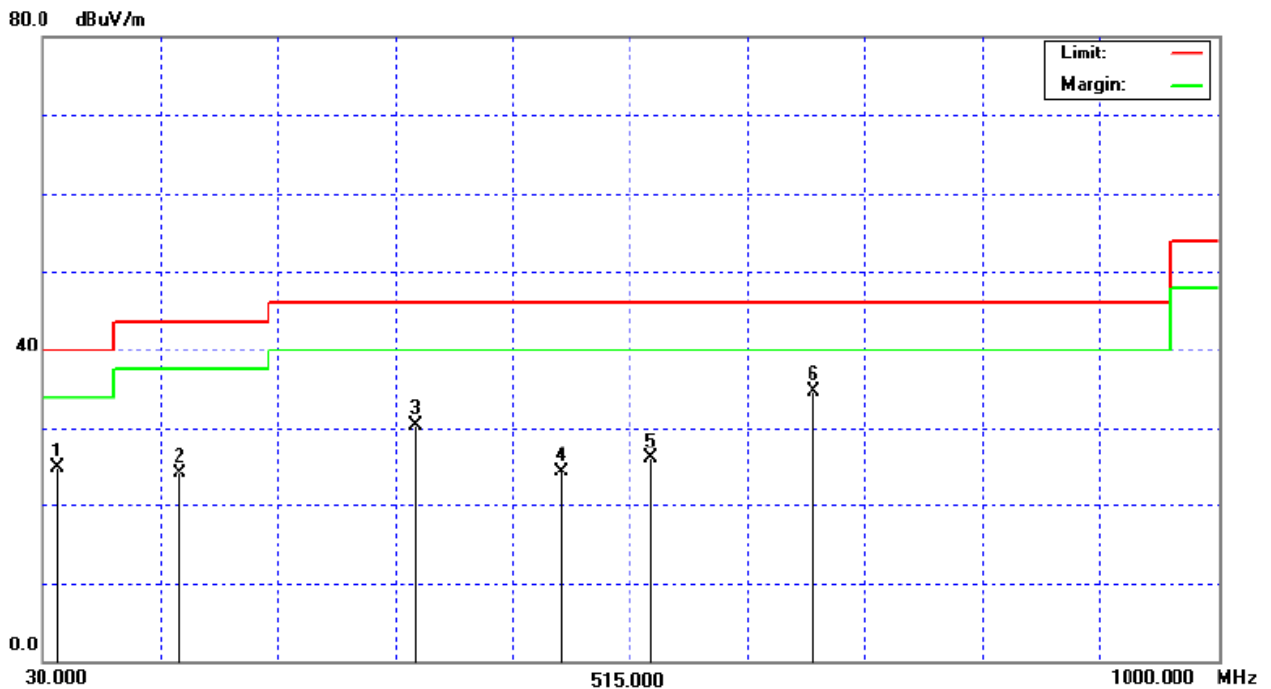


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	RX CH01 11G		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
41.64	V	42.36	-17.52	24.84	40.00	- 15.16	
142.52	V	44.97	-20.91	24.06	43.50	- 19.44	
338.46	V	43.99	-13.66	30.33	46.00	- 15.67	
458.74	V	35.46	-11.24	24.22	46.00	- 21.78	
532.46	V	35.67	-9.65	26.02	46.00	- 19.98	
666.32	V	41.47	-6.77	34.70	46.00	- 11.30	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

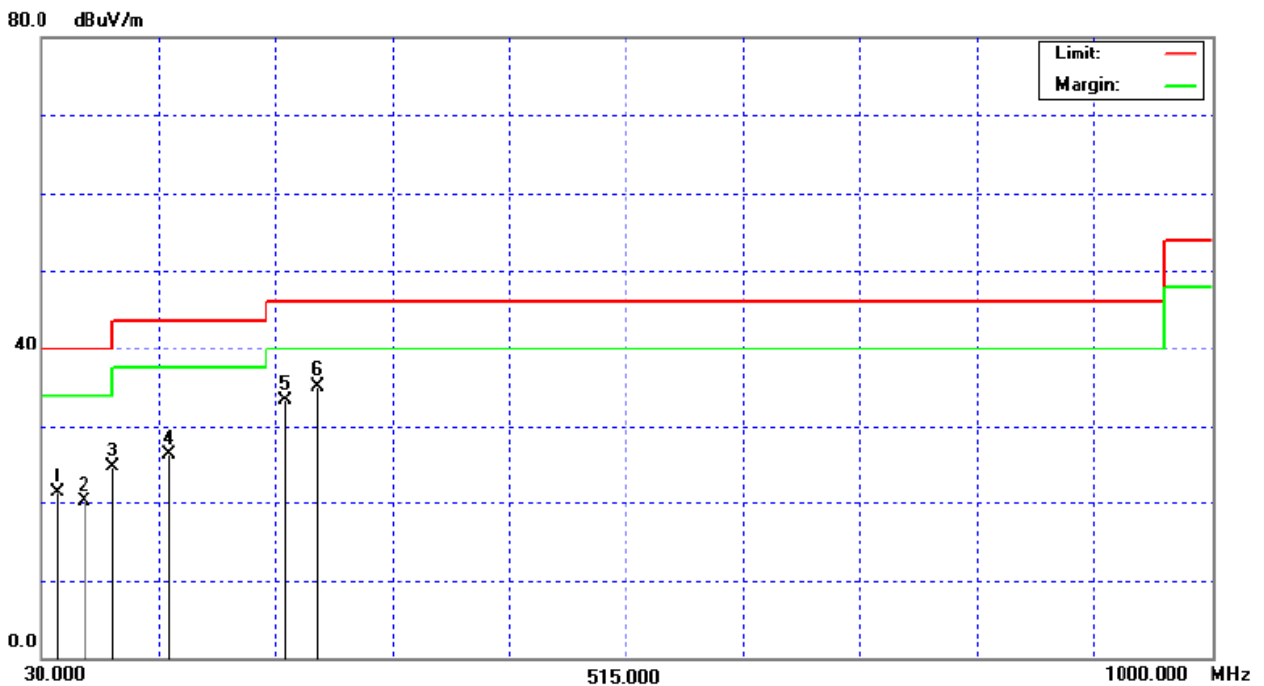


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	RX CH01 11G		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
43.58	H	39.58	-18.28	21.30	40.00	- 18.70	
64.92	H	42.65	-22.53	20.12	40.00	- 19.88	
88.20	H	45.68	-21.00	24.68	43.50	- 18.82	
134.76	H	47.72	-21.44	26.28	43.50	- 17.22	
213.76	H	50.68	-17.38	33.30	46.00	- 12.70	
258.92	H	51.67	-16.50	35.17	46.00	- 10.83	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

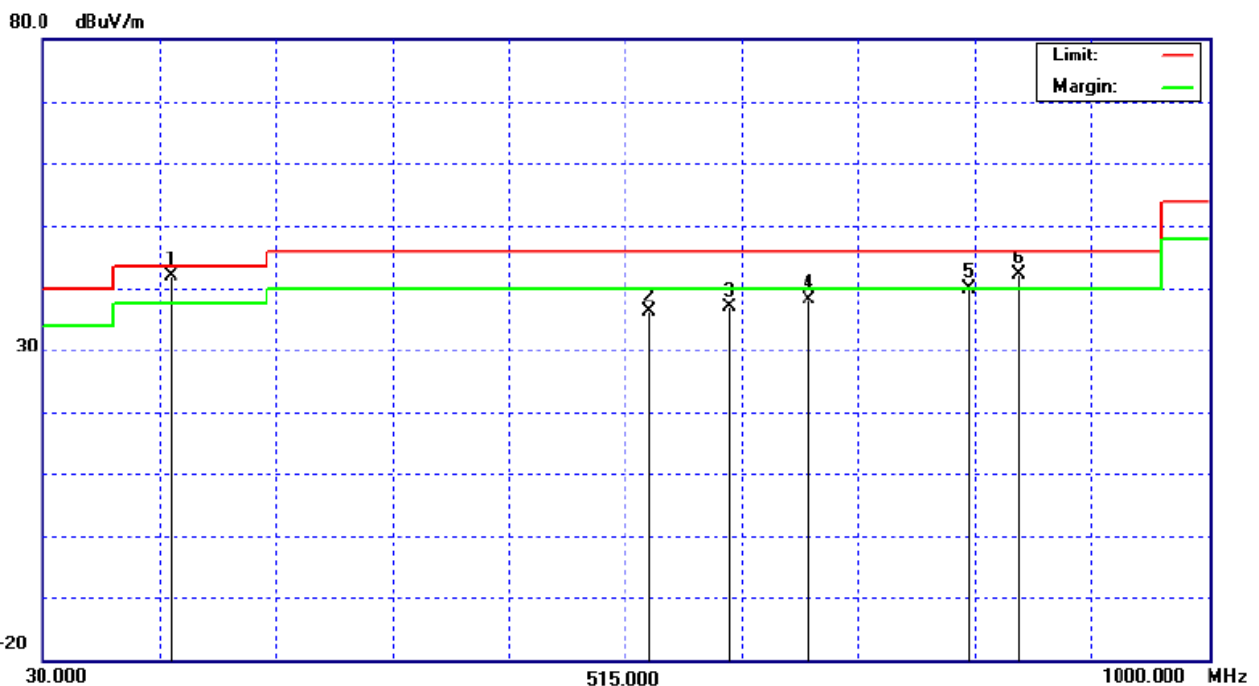


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 1 - USB PLAY		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	V	63.84	-21.88	41.96	43.50	- 1.54	
534.40	V	45.58	-9.44	36.14	46.00	- 9.86	
600.36	V	44.95	-8.08	36.87	46.00	- 9.13	
666.32	V	44.71	-6.54	38.17	46.00	- 7.83	
800.18	V	45.32	-5.48	39.84	46.00	- 6.16	
840.92	V	46.94	-4.87	42.07	46.00	- 3.93	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz .
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform .
- (3) Measuring frequency range from 30MHz to 1000MHz .
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table .

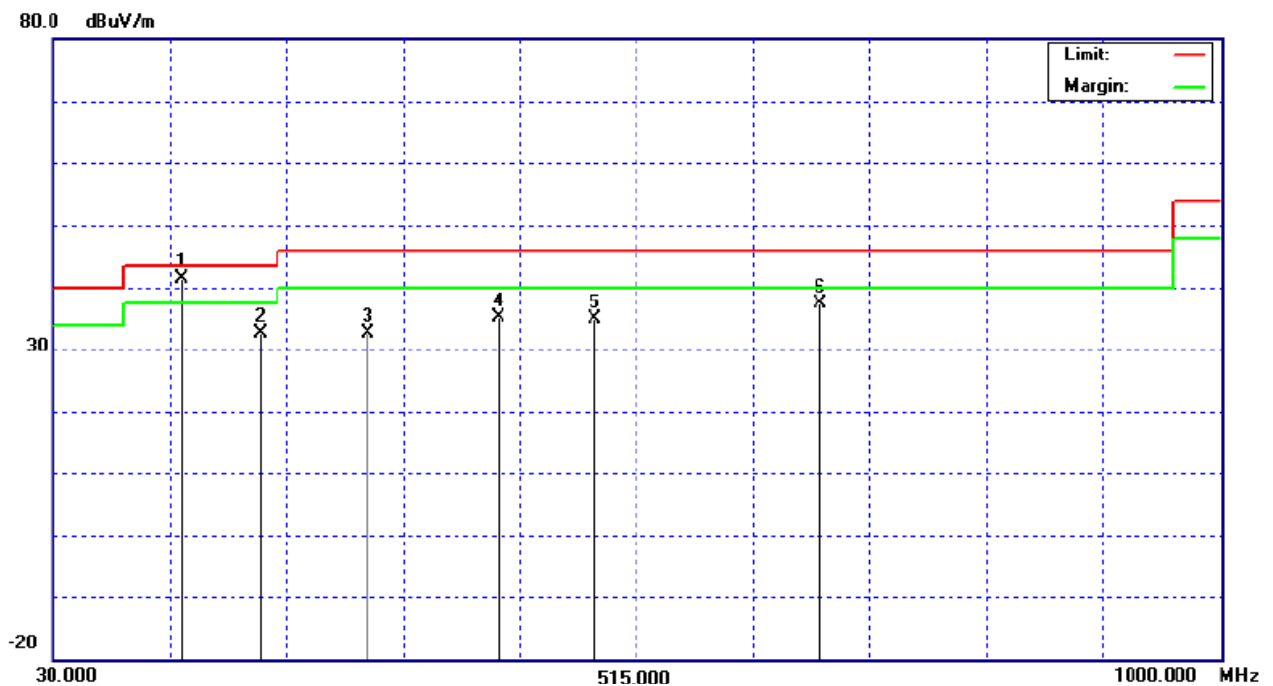


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 1 - USB PLAY		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	H	63.35	-21.88	41.47	43.50	- 2.03	
200.72	H	51.78	-19.26	32.52	43.50	- 10.98	
289.96	H	48.47	-15.72	32.75	46.00	- 13.25	
400.54	H	47.48	-12.40	35.08	46.00	- 10.92	
480.08	H	45.52	-10.60	34.92	46.00	- 11.08	
666.32	H	43.83	-6.54	37.29	46.00	- 8.71	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

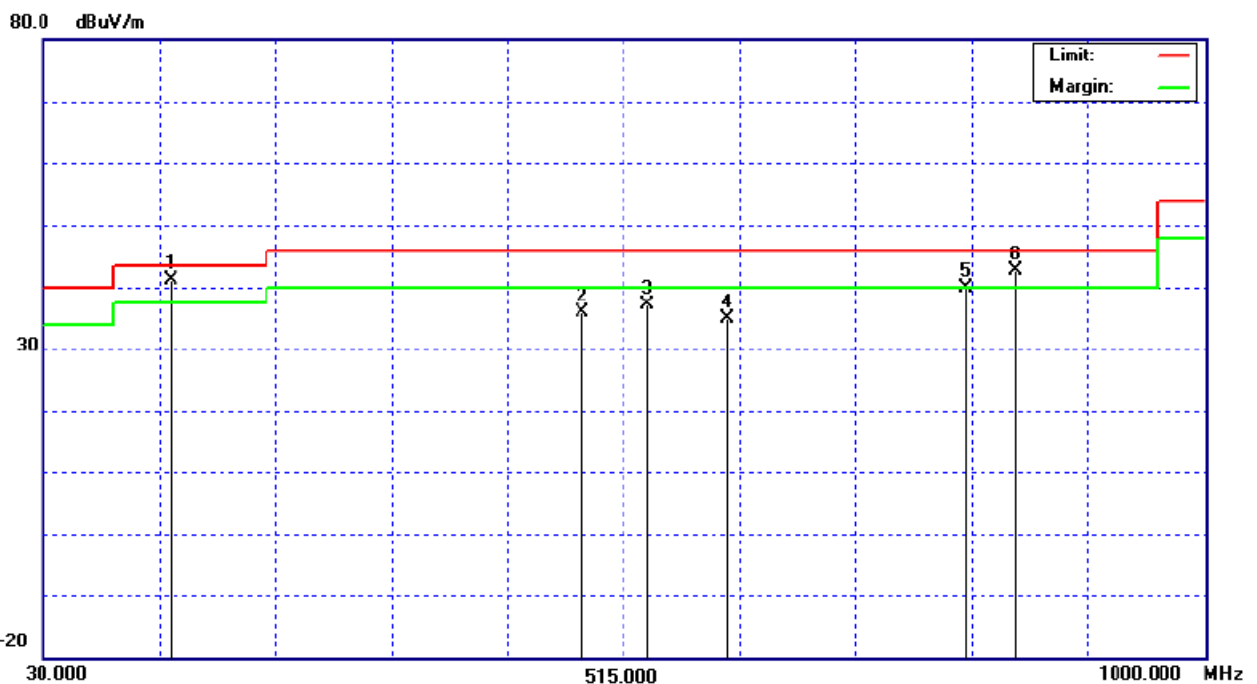


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 2 - FM 87.5MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	V	62.90	-21.88	41.02	43.50	- 2.48	
480.08	V	46.37	-10.60	35.77	46.00	- 10.23	
532.46	V	46.50	-9.49	37.01	46.00	- 8.99	
600.36	V	42.95	-8.08	34.87	46.00	- 11.13	
800.18	V	45.25	-5.48	39.77	46.00	- 6.23	
840.92	V	47.52	-4.87	42.65	46.00	- 3.35	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

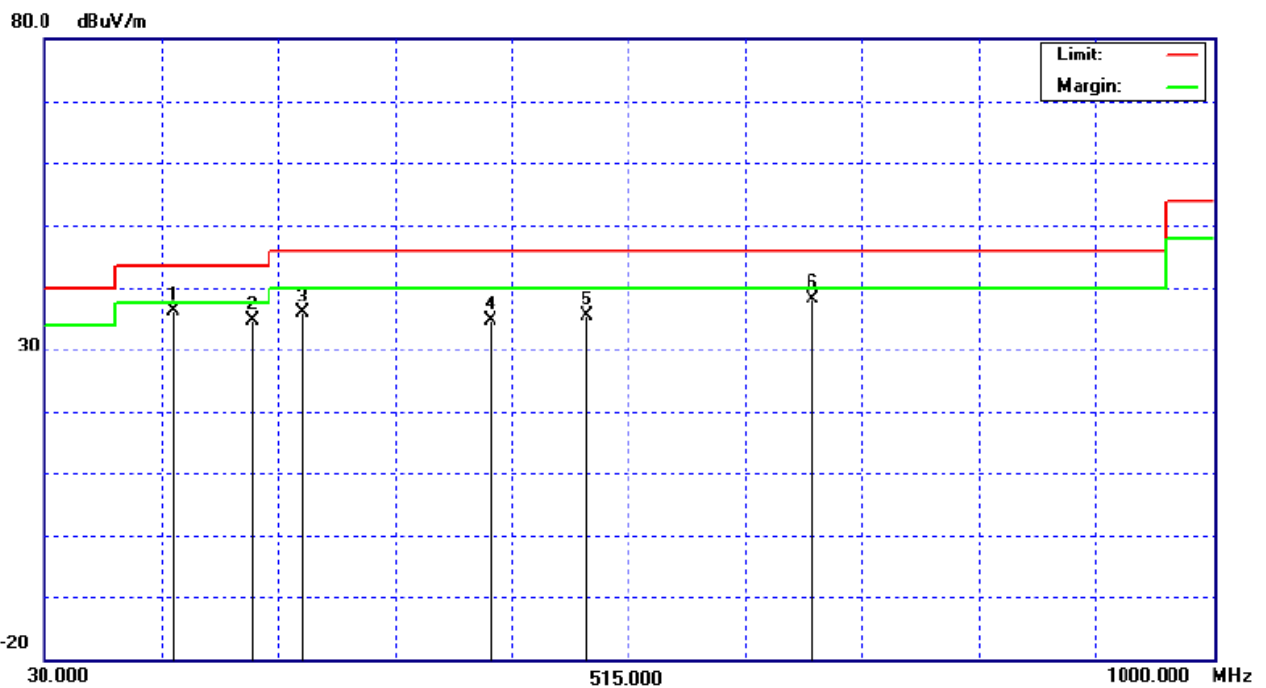


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 2 - FM 87.5MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	H	58.13	-21.88	36.25	43.50	- 7.25	
200.72	H	53.79	-19.26	34.53	43.50	- 8.97	
241.46	H	53.14	-17.21	35.93	46.00	- 10.07	
400.54	H	47.11	-12.40	34.71	46.00	- 11.29	
480.08	H	45.94	-10.60	35.34	46.00	- 10.66	
666.32	H	44.59	-6.54	38.05	46.00	- 7.95	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

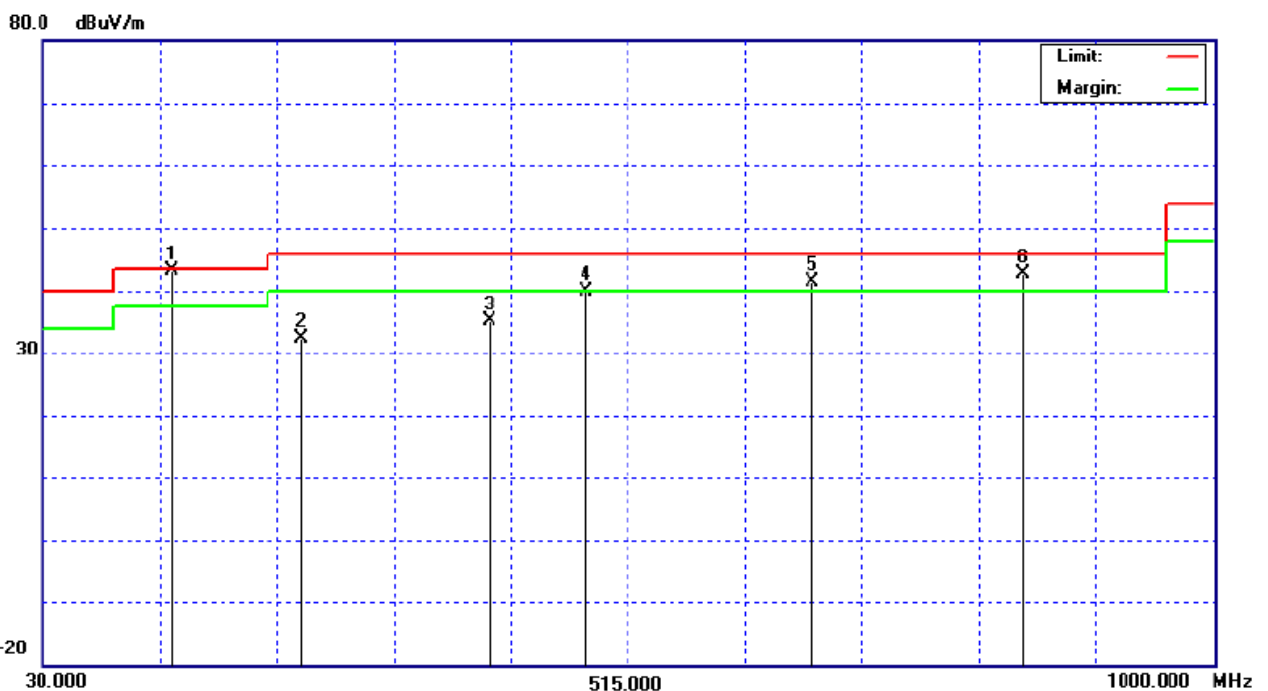


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 3 - FM 97.5MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	V	65.05	-21.88	43.17	43.50	- 0.33	(QP)
241.46	V	49.62	-14.21	35.41	46.00	- 10.59	
400.54	V	47.61	-12.40	35.21	46.00	- 10.79	
480.08	V	50.56	-10.60	39.96	46.00	- 6.04	
666.32	V	47.93	-6.54	41.39	46.00	- 4.61	
840.92	V	47.50	-4.87	42.63	46.00	- 3.37	(QP)

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

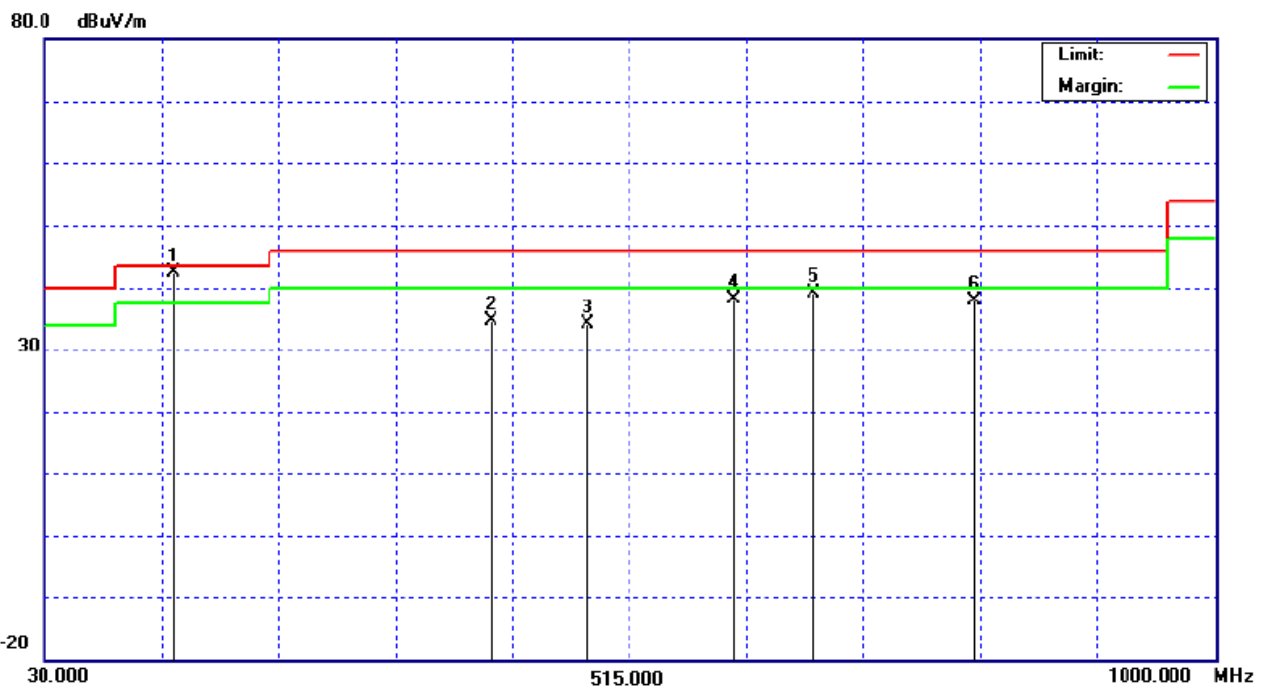


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 3 - FM 97.5MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	H	64.24	-21.88	42.36	43.50	- 1.14	
400.54	H	47.04	-12.40	34.64	46.00	- 11.36	
480.08	H	44.73	-10.60	34.13	46.00	- 11.87	
600.36	H	46.09	-8.08	38.01	46.00	- 7.99	
666.32	H	45.79	-6.54	39.25	46.00	- 6.75	
800.18	H	43.42	-5.48	37.94	46.00	- 8.06	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

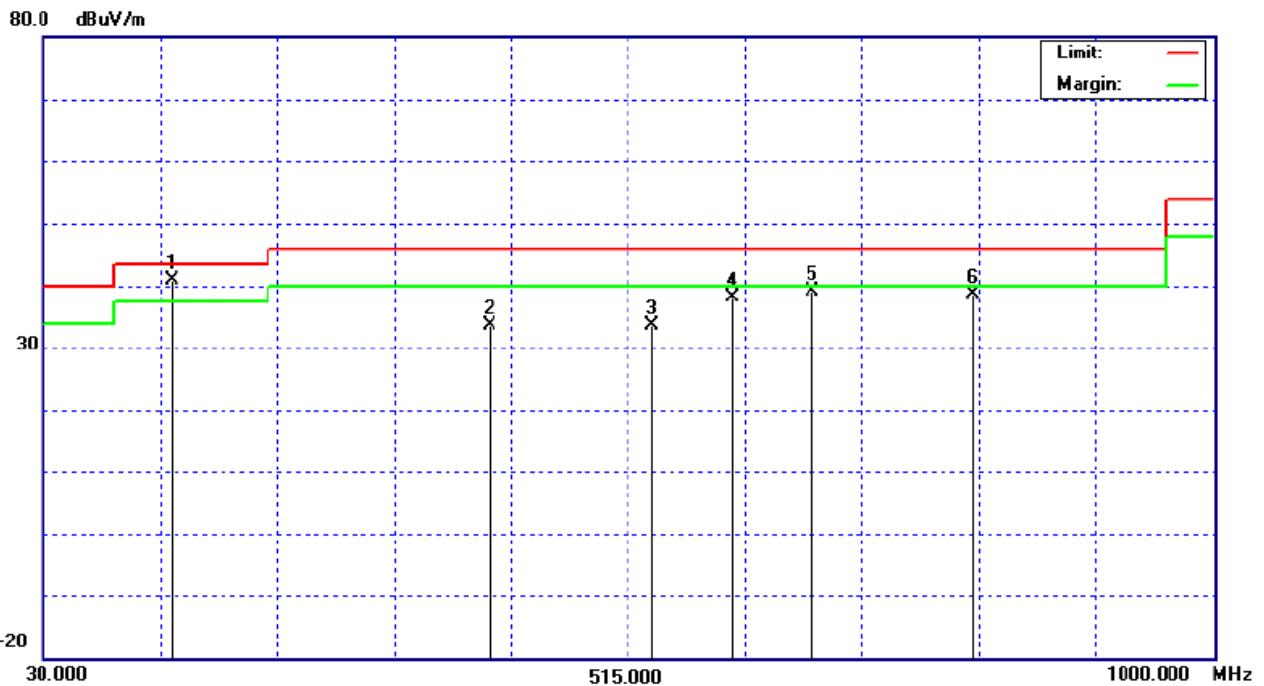


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 4 - FM 107.5MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	V	62.72	-21.88	40.84	43.50	- 2.66	(QP)
400.54	V	45.93	-12.40	33.53	46.00	- 12.47	
534.40	V	43.05	-9.44	33.61	46.00	- 12.39	
600.36	V	46.32	-8.08	38.24	46.00	- 7.76	
666.32	V	45.59	-6.54	39.05	46.00	- 6.95	
800.18	V	44.09	-5.48	38.61	46.00	- 7.39	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

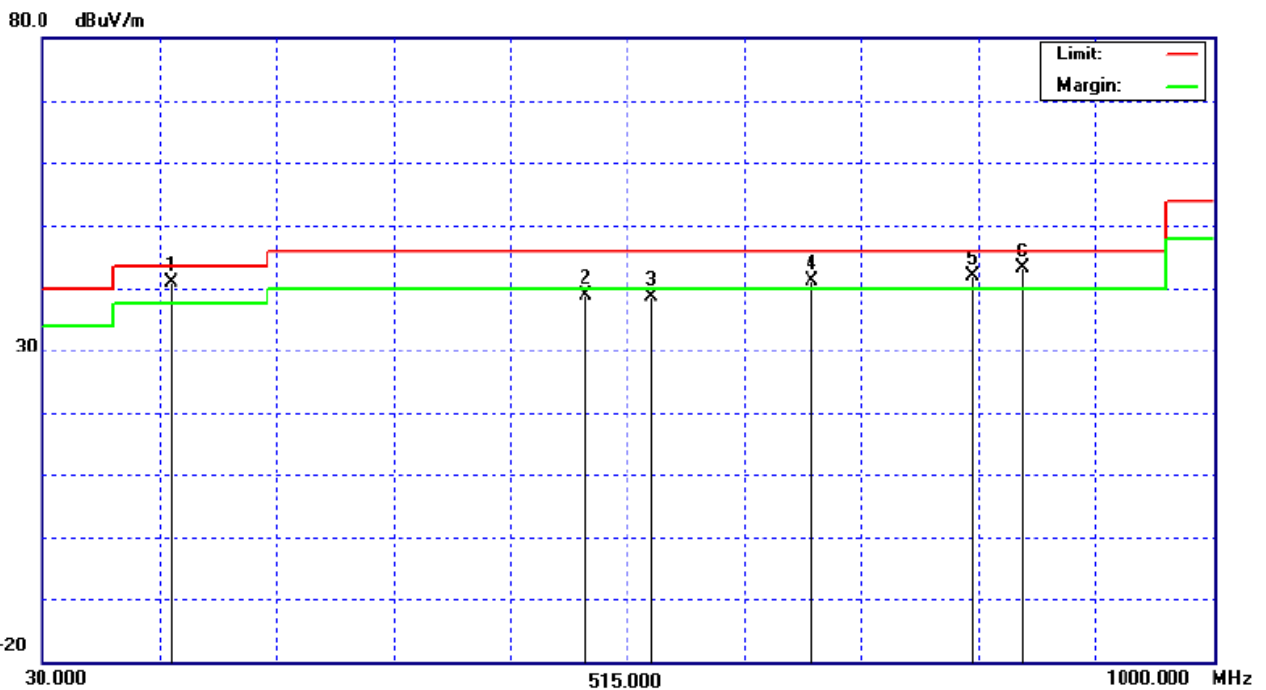


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 4 - FM 107.5MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
134.76	H	62.83	-21.88	40.95	43.50	- 2.55	(QP)
480.08	H	49.41	-10.60	38.81	46.00	- 7.19	
534.40	H	48.06	-9.44	38.62	46.00	- 7.38	
666.32	H	47.77	-6.54	41.23	46.00	- 4.77	
800.18	H	47.43	-5.48	41.95	46.00	- 4.05	
840.92	H	48.10	-4.87	43.23	46.00	- 2.77	(QP)

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

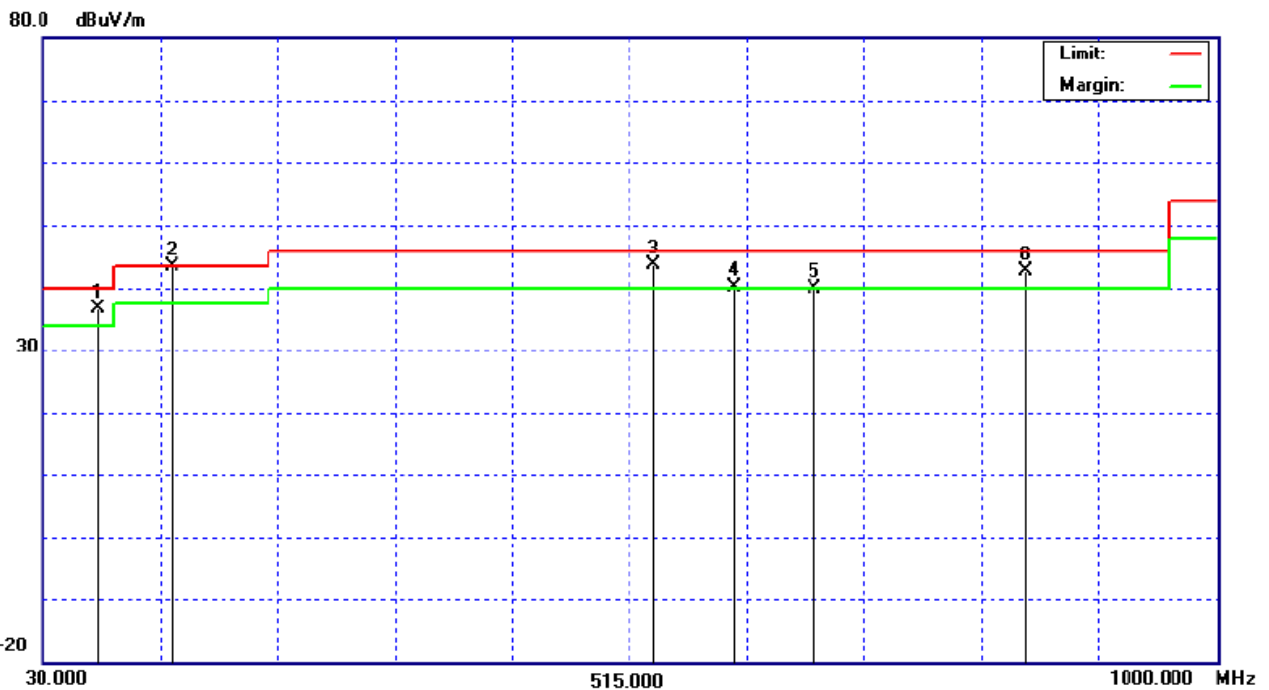


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 5 – Internet radio		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
74.62	V	59.27	-22.68	36.59	40.00	- 3.41	
134.76	V	65.35	-21.88	43.47	43.50	- 0.03	
534.40	V	53.00	-9.44	43.56	46.00	- 2.44	
600.36	V	48.11	-8.08	40.03	46.00	- 5.97	
666.32	V	46.41	-6.54	39.87	46.00	- 6.13	
840.92	V	47.40	-4.87	42.53	46.00	- 3.47	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

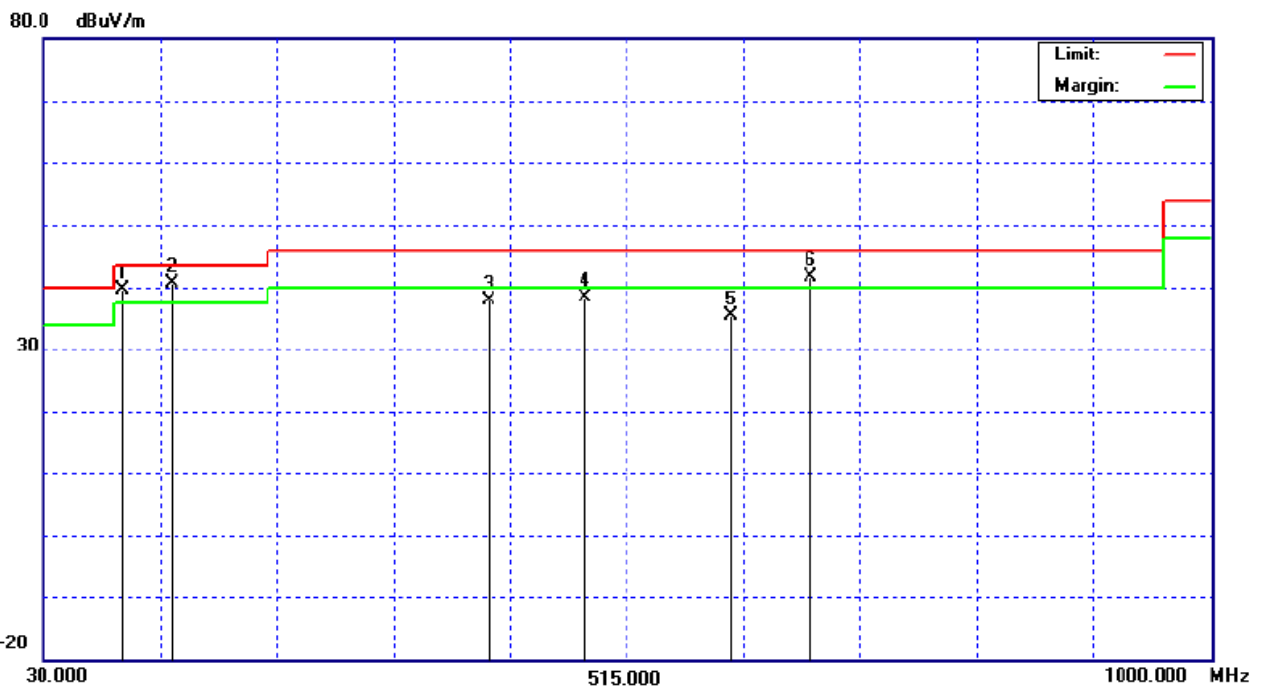


EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	Mode 5 – Internet radio		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
94.05	H	60.71	-21.14	39.57	43.50	- 3.93	
134.76	H	62.55	-21.88	40.67	43.50	- 2.83	
400.54	H	50.29	-12.40	37.89	46.00	- 8.11	
480.08	H	48.89	-10.60	38.29	46.00	- 7.71	
600.36	H	43.38	-8.08	35.30	46.00	- 10.70	
666.32	H	48.09	-6.54	41.55	46.00	- 4.45	

Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『 Note 』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦



4.2.8 TEST RESULTS (Above 1000 MHz)

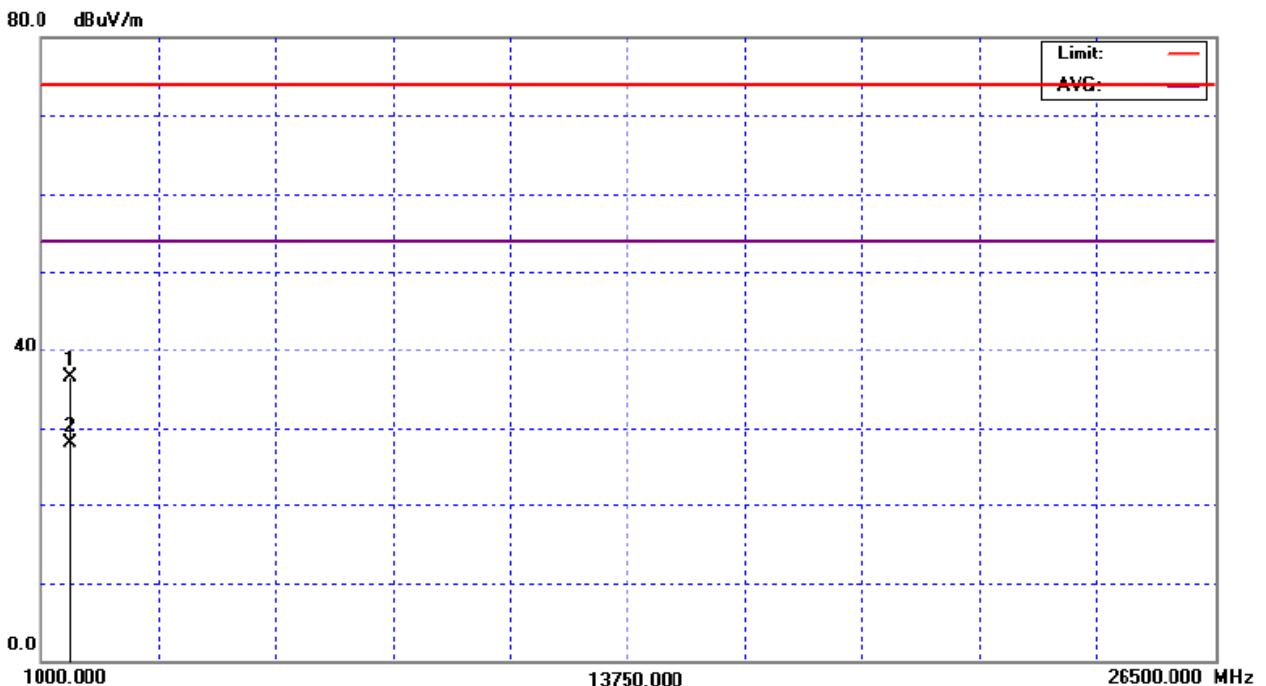
EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25°C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	RX Mode – CH01 11B		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1598.02	V	43.12	34.58	-6.53	36.59	28.05	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) 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 measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

RX Mode(Above 1000 MHz, Vertical)



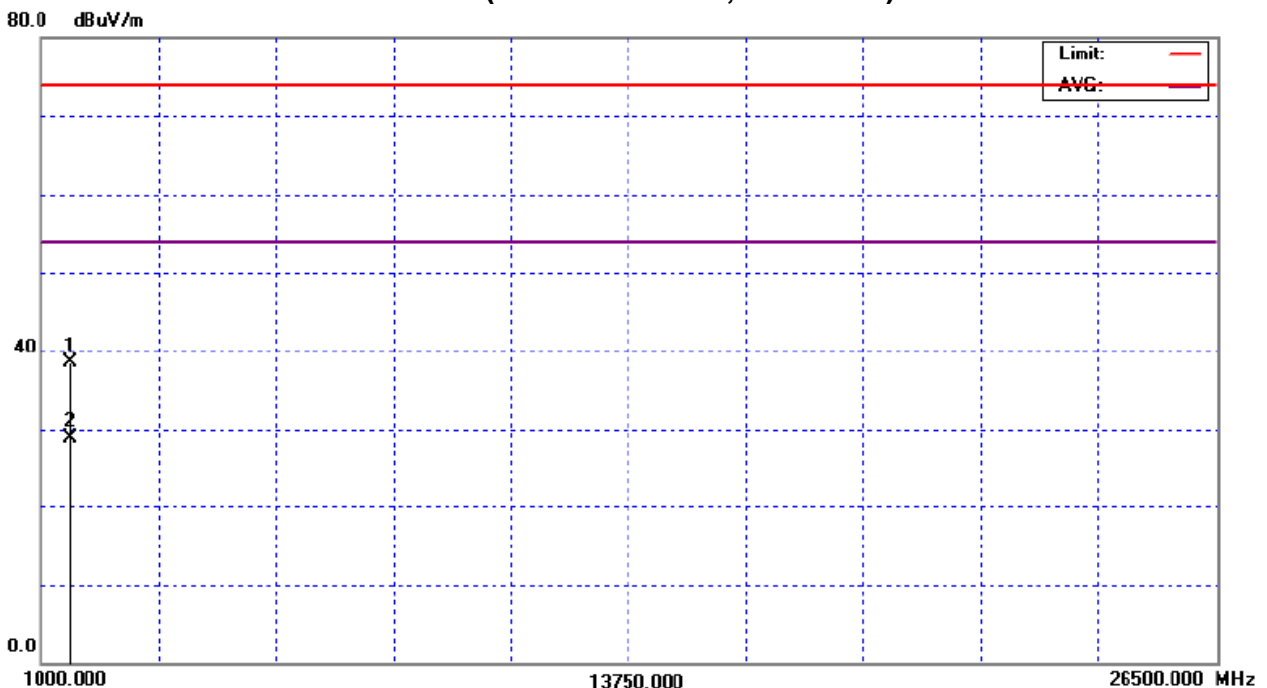
EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25°C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	RX Mode – CH01 11B		

Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
1598.03	H	44.98	35.47	-6.53	38.45	28.94	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (4) 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 measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

RX Mode(Above 1000 MHz, Horizontal)



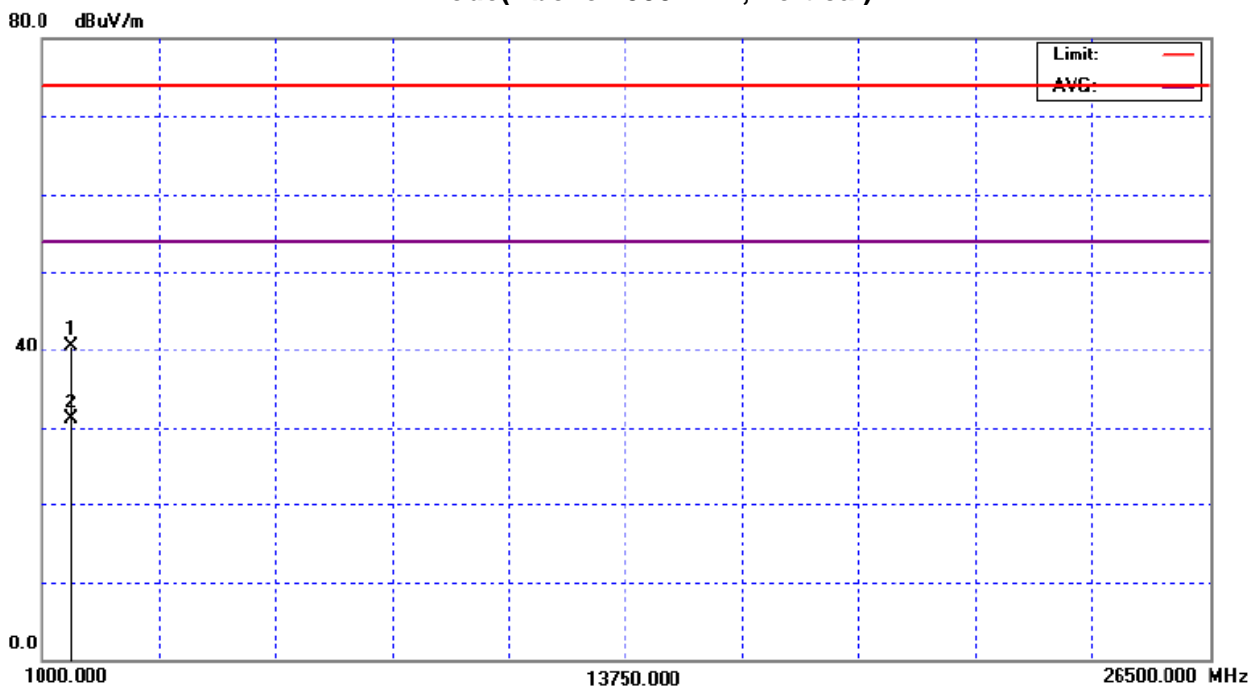
EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25°C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	RX Mode – CH01 11G		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1597.30	V	46.97	37.65	-6.54	40.43	31.11	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform .
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency . "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) 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 measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

RX Mode(Above 1000 MHz, Vertical)



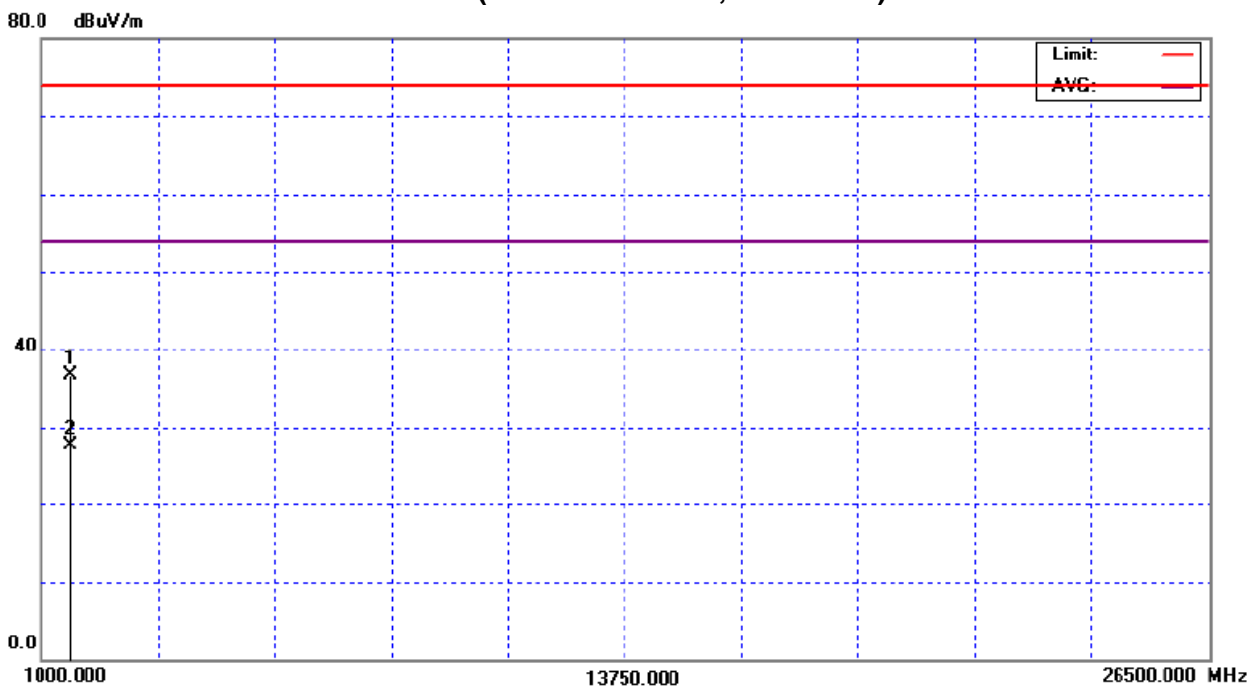
EUT :	Internet radio/FM RDS table radio	Model Name :	NetWorks
Temperature :	25°C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	RX Mode – CH01 11G		

Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
1597.30	H	43.21	34.26	-6.54	36.67	27.72	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform .
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency .“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) 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 measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis :
 “X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

RX Mode(Above 1000 MHz, Horizontal)



5. EUT TEST PHOTO

Conducted Measurement Photos



Radiated Measurement Photos

