







ISO/IEC17025 Accredited Lab.

Report No: FCC 1104185 File reference No: 2011-05-12

Applicant: PDi Communication Systems. Inc

Product: LCD TV

Brand Name: N/A

Model No: PDI-CV3200

Test Standards: FCC Part 15 Subpart B: 2008

Test result: It is herewith confirmed and found to comply with the requirements

set up by ANSI C63.4&FCC Part 15 regulations for the evaluation of

electromagnetic compatibility

Approved By

Peny Tang

Terry Tong

Manager

Dated: May 12,2011

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

#### SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD

East 5/Block 4, Anhua Industrial Zone, No.8, Tairan Rd. Chegongmiao, FuTian District, Shenzhen, CHINA.

Tel (755) 83448688 Fax (755) 83442996

Report No: 1104185

Date: 2011-05-12



# **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

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The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

# FCC-Registration No.: 899988

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 899988.

# IC- Registration No.: IC5205A-01

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-01.

#### VCCI- Registration No.: R-3015 and C-3332

The EMC Laboratory has been registered and fully described in a report filed with the (VCCI) Voluntary Control Council for Interference. The acceptance letter from the VCCI is maintained in our files. Registration IC No.: R-3015 and C-3332

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Report No: 1104185 Date: 2011-05-12



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#### **General Details**

#### Test Lab Details 1.1

Name: SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD

Address: East 5/Block 4, Anhua Industrial Zone, No.8, Tairan Rd. CheGongMiao, FuTian District,

Shenzhen, CHINA.

Telephone: (755) 83448688 Fax: (755) 83442996

#### 1.2 Applicant Details

Applicant: PDi Communication Systems. Inc

40 Greenwood Lane, Springboro, OH 45066 Address:

Telephone: 937-743-6010 Fax: 937-743-5664

#### 1.3 Description of EUT

Product: LCD TV

Manufacturer: WANLIDA GROUP CO., LTD.

Address: WANLIDA INDUSTRY ZONE, NANJING ,FUJIAN, CHINA. 363601

**Brand Name:** N/A

Model Number: PDI-CV3200 Additional Model Number: N/A Input: 120V, 50/60Hz, 120W Rating:

Remark: --

Submitted Sample: 1 Sample

#### 1.5 Test Duration

2011-04-25 to 2011-05-12

#### 1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions Uncertainty =4.7dB

#### Test Engineer 1.7

The sample tested by

Print Name: Brown Lu

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#### List of Measurement Equipment

#### **Conducted Emission Test**

				Calibration	Calibration
Name	Model No.	Serial No.	Manufacturer	Date	Cycle
EMI Test Receiver	ESH3	860905/006	RS	2011.4.27	1Year
Spectrum Analyzer	ESA-L1500A	US37451154	HP	2011.4.27	1Year
PULSE LIMITER	ESH3-Z2	100281	RS	2011.4.27	1Year
LISN	ESH3-Z5	100294	RS	2011.4.27	1Year
LISN	ESH3-Z5	100253	RS	2011.4.27	1Year
LISN	LS16C	10010947251	AFJ	2010-5-14	1Year
LISN (Three Phase)	NSLK 8126	8126453	Schwarebeck	2010-5-14	1Year

#### 2.2 Radiated electromagnetic disturbance test

				Calibration	Calibration
Name	Model No.	Serial No.	Manufacturer	Date	Cycle
EMI Test Receiver	ESVD	100008	RS	2011.4.27	1Year
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
Spectrum Analyzer	8595E	3441A00893	НР	2010.4.27	1Year
Amplifier	8447D	2727A05017	HP	2010.4.27	1Year
Bilog Antenna	VULB9163	9163/340	Schwarebeck	2011.4.27	1Year
Horn Antenna	BBHA9120D	1201	Schwarebeck	2010-5-14	1Year

#### 2.3 **Auxiliary Equipment**

Name	Model No.	Serial No.	Manufacturer	Calibration	Calibration	FCCID/
				Date	Cycle	DOC
PC	R400		IBM			FCC ID
Keyboard	KB-0225		IBM			DOC
Mouse	M-F105		L.SEletron			DOC
PS3	CECH-2012A		SONY			DOC
Earphone						

#### 2.4 I/O Cable

Cable No.	Port	Connector Type	Cable Type	Cable Length
1	VGA	VGA	Unshielded	1.5
2	AC	IEC	Unshielded	1.5
3	AC	IEC	Unshielded	2.0

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#### 3.0 **Technical Details**

3.1 Investigations Requested Perform Electromagnetic Interference [EMI] tests for FCC Requirement.

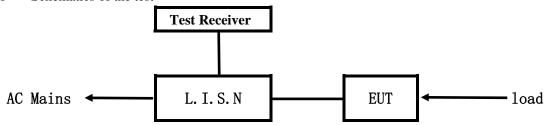
3.2 Test Standards

FCC Part 15 Subpart B: 2008



#### 4.0 Conducted Power line Test

#### 4.1 Schematics of the test

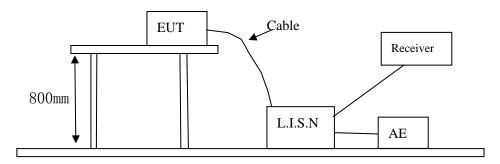


**EUT: Equipment Under Test** 

#### 4.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2009. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2009. Cables and peripherals were moved to find the maximum emission levels for each frequency.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



#### 4.3 Power line conducted Emission Limit

Eraguanay (MHz)	Class A Li	mits dB(μV)	Class B Limits dB(µV)		
Frequency(MHz)	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level	
0.15 ~ 0.50	79.00	66.00	66.00~56.00*	56.00~46.00*	
$0.50 \sim 5.00$	73.00	60.00	56.00	46.00	
5.00 ~ 30.00	73.00	60.00	60.00	50.00	

Notes:

- 1. \*decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

#### 4.4 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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# A: Conducted Emission on Live Terminal (150kHz to 30MHz)

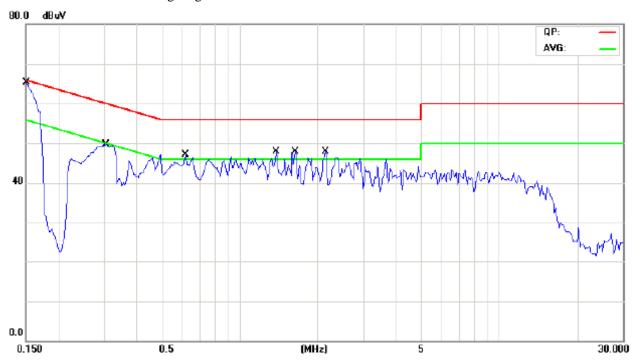
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM88.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.51	51.95	66.00	56.00
0.306	Live	47.57	32.39	60.07	50.07
0.618	Live	42.37	35.55	56.00	46.00
1.388	Live	43.89	33.18	56.00	46.00
1.642	Live	43.09	32.93	56.00	46.00
2.150	Live	42.96	32.30	56.00	46.00

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# B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

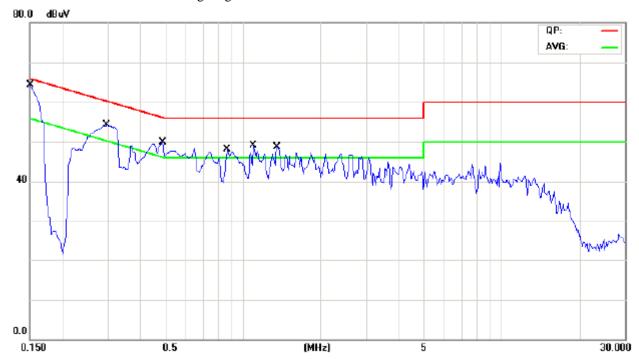
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM88.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line -	Reading(	(dBµV)	Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.21	52.93	66.00	56.00
0.298	Neutral	51.64	34.85	60.29	50.29
0.489	Neutral	46.92	28.47	56.17	46.17
0.868	Neutral	41.51	30.29	56.00	46.00
1.099	Neutral	42.15	31.25	56.00	46.00
1.357	Neutral	42.10	31.10	56.00	46.00

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# C: Conducted Emission on Live Terminal (150kHz to 30MHz)

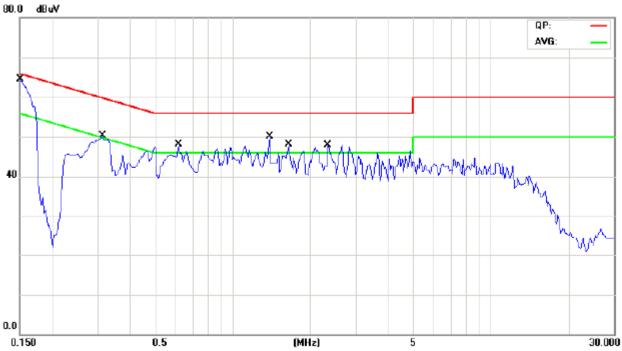
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM98.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.54	50.54	66.00	56.00
0.314	Live	50.29	42.54	59.86	49.86
0.618	Live	48.09	40.04	56.00	46.00
1.392	Live	50.19	39.89	56.00	46.00
1.650	Live	48.16	38.65	56.00	46.00
2.341	Live	47.95	39.54	56.00	46.00

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# D: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

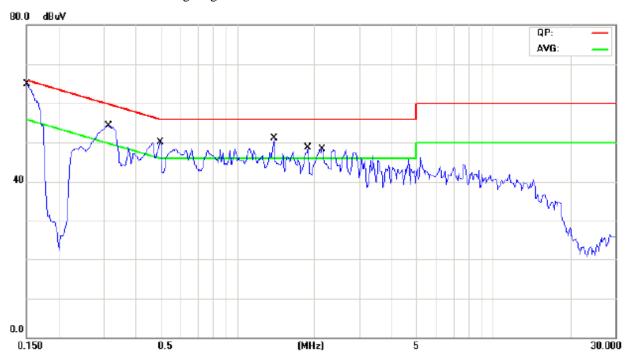
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM98.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.43	53.07	66.00	56.00
0.314	Neutral	52.86	38.44	59.86	49.86
0.501	Neutral	48.22	31.10	56.00	46.00
1.392	Neutral	45.04	33.50	56.00	46.00
1.896	Neutral	45.77	33.45	56.00	46.00
2.145	Neutral	43.77	32.24	56.00	46.00

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# E: Conducted Emission on Live Terminal (150kHz to 30MHz)

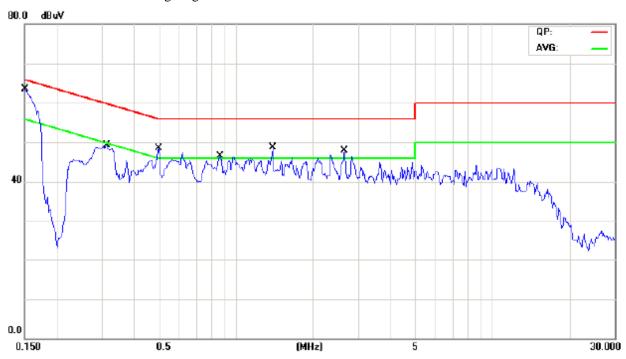
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input FM107.9MHz Radio Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.55	50.98	66.00	56.00
0.314	Live	49.29	38.76	59.86	49.86
0.501	Live	48.42	39.64	56.00	46.00
0.868	Live	46.44	38.43	56.00	46.00
1.392	Live	48.69	35.05	56.00	46.00
2.657	Live	47.94	47.94	56.00	46.00

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#### F: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

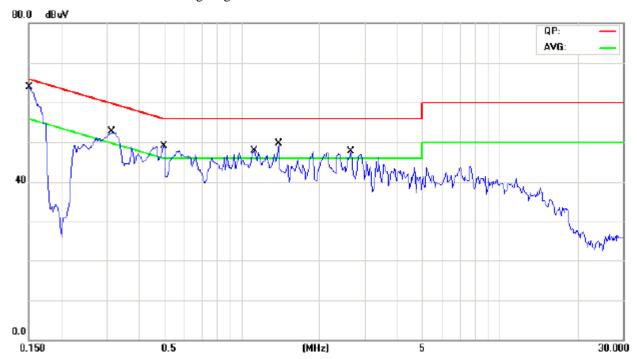
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: FM107.9MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(	dBμV)	Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.85	52.01	66.00	56.00
0.314	Neutral	52.80	40.32	59.86	49.86
0.501	Neutral	49.14	39.98	56.00	46.00
1.122	Neutral	47.91	41.43	56.00	46.00
1.392	Neutral	49.61	40.42	56.00	46.00
2.657	Neutral	47.69	38.74	56.00	46.00

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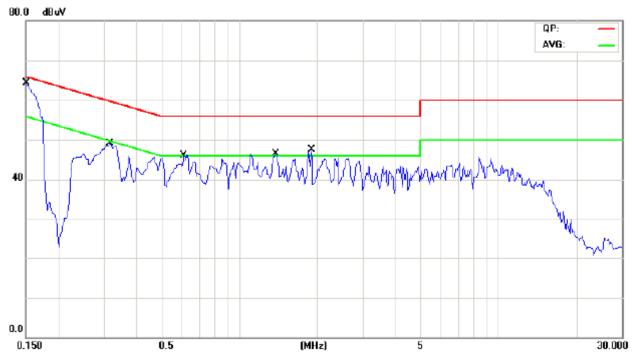
# G: Conducted Emission on Live Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: LAN Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBμV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.39	51.79	66.00	56.00
0.318	Live	49.19	37.39	59.76	49.76
0.611	Live	46.17	32.43	56.00	46.00
1.388	Live	46.41	37.78	56.00	46.00
1.900	Live	46.00	38.88	56.00	46.00

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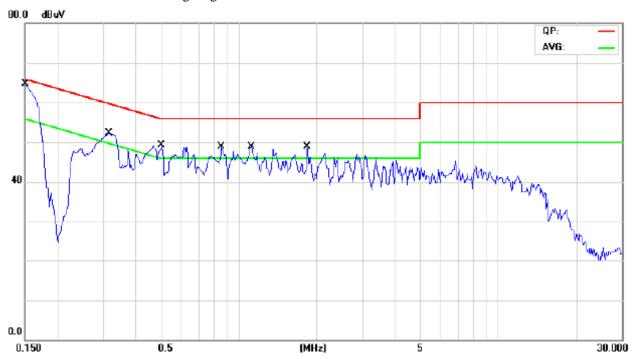
# H: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: LAN Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.71	50.89	66.00	56.00
0.318	Neutral	52.22	42.43	59.76	49.76
0.505	Neutral	49.28	39.54	56.00	46.00
0.861	Neutral	48.87	39.43	56.00	46.00
1.117	Neutral	48.83	39.89	56.00	46.00
1.845	Neutral	48.89	38.43	56.00	46.00

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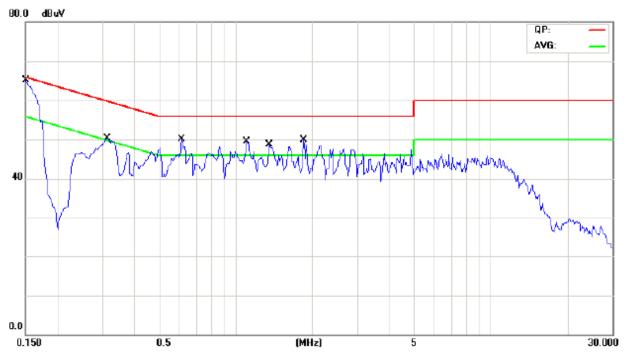


#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: AV In Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	62.90	52.20	66.00	56.00
0.314	Live	47.96	35.29	59.86	49.86
0.614	Live	44.37	35.55	56.00	46.00
1.111	Live	44.29	35.95	56.00	46.00
1.353	Live	45.00	35.77	56.00	46.00
1.849	Live	45.27	33.19	56.00	46.00

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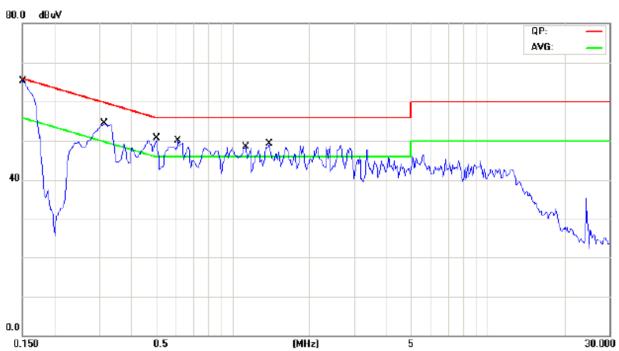
# J: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: AV In Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.82	53.73	66.00	56.00
0.314	Neutral	52.36	38.84	59.86	49.86
0.505	Neutral	48.81	31.17	56.00	46.00
0.611	Neutral	44.53	31.61	56.00	46.00
1.134	Neutral	44.58	34.76	56.00	46.00
1.392	Neutral	45.08	34.87	56.00	46.00

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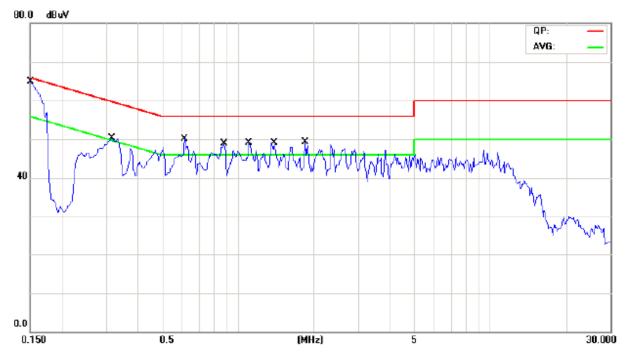
# K: Conducted Emission on Live Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: USB Play Equipment Level: Class B

**Results: Pass** 



Frequency	Line	Reading(dBμV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.96	52.30	66.00	56.00
0.318	Live	48.68	34.67	59.76	49.76
0.614	Live	44.49	35.55	56.00	46.00
0.884	Live	44.43	35.72	56.00	46.00
1.111	Live	44.37	35.95	56.00	46.00
1.392	Live	44.58	34.82	56.00	46.00
1.853	Live	44.75	31.52	56.00	46.00

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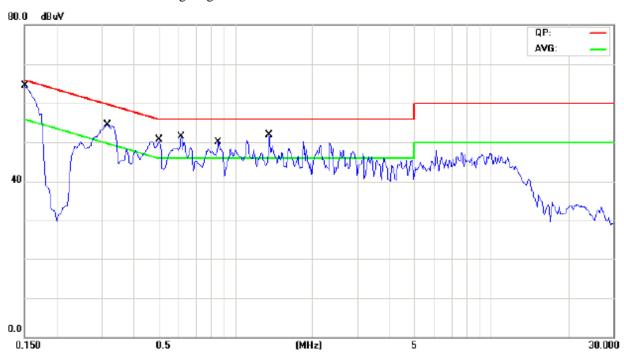
# L: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: USB Play Equipment Level: Class B

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.14	53.87	66.00	56.00
0.318	Neutral	52.88	38.44	59.76	49.76
0.505	Neutral	48.54	31.51	56.00	46.00
0.614	Neutral	45.45	35.72	56.00	46.00
0.861	Neutral	44.31	34.53	56.00	46.00
1.357	Neutral	45.79	36.55	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# M: Conducted Emission on Live Terminal (150kHz to 30MHz)

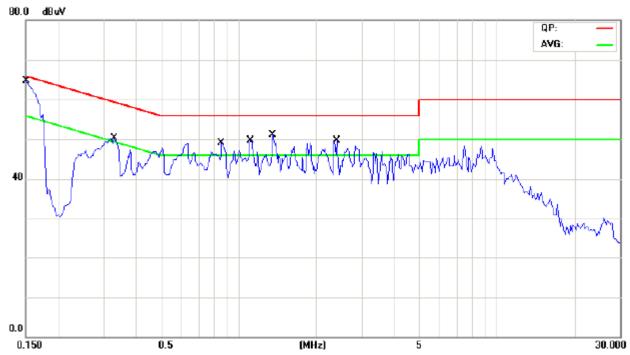
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(800\*600)** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.08	52.44	66.00	56.00
0.329	Live	46.65	29.62	59.46	49.46
0.861	Live	43.88	33.95	56.00	46.00
1.114	Live	44.53	34.88	56.00	46.00
1.357	Live	47.09	35.14	56.00	46.00
2.407	Live	46.28	32.39	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

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#### N: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

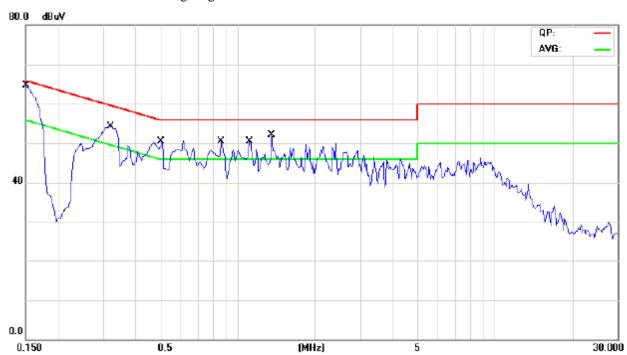
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(800\*600)** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.28	54.03	66.00	56.00
0.322	Neutral	52.82	37.01	59.66	49.66
0.509	Neutral	48.71	37.20	56.00	46.00
0.864	Neutral	44.69	35.89	56.00	46.00
1.114	Neutral	45.09	35.45	56.00	46.00
1.357	Neutral	47.94	35.86	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

# O: Conducted Emission on Live Terminal (150kHz to 30MHz)

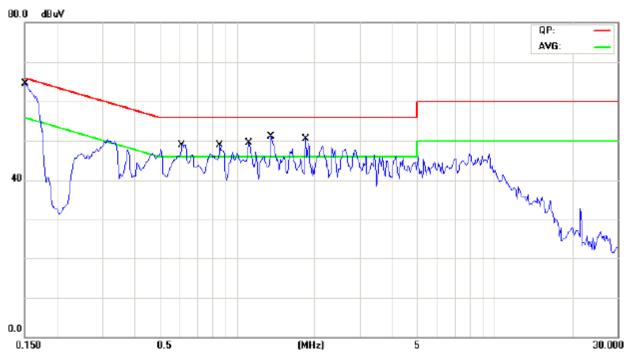
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: VGA(1024\*768)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.08	52.44	66.00	56.00
0.611	Live	43.06	30.21	56.00	46.00
0.861	Live	44.04	34.24	56.00	46.00
1.114	Live	44.59	34.97	56.00	46.00
1.357	Live	46.75	35.61	56.00	46.00
1.849	Live	44.85	33.56	56.00	46.00

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#### P: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

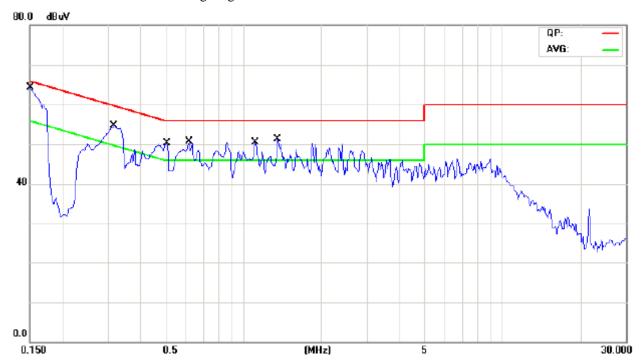
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: VGA(1024\*768)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.32	54.11	66.00	56.00
0.318	Neutral	52.72	38.61	59.76	49.76
0.509	Neutral	48.58	29.60	56.00	46.00
0.618	Neutral	45.01	37.63	56.00	46.00
1.114	Neutral	45.19	35.53	56.00	46.00
1.357	Neutral	47.68	36.25	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Q: Conducted Emission on Live Terminal (150kHz to 30MHz)

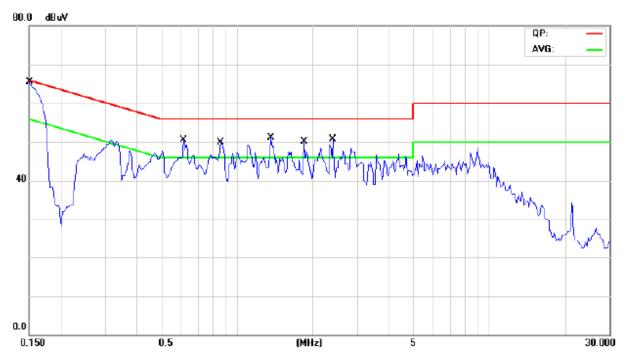
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: VGA(1200\*1024)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency Line	Reading(dBµV)		Limit(dBµV)		
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	64.10	52.39	66.00	56.00
0.614	Live	44.51	35.30	56.00	46.00
0.864	Live	44.35	35.97	56.00	46.00
1.361	Live	45.18	34.46	56.00	46.00
1.849	Live	45.03	33.35	56.00	46.00
2.407	Live	45.92	32.76	56.00	46.00

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# R: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

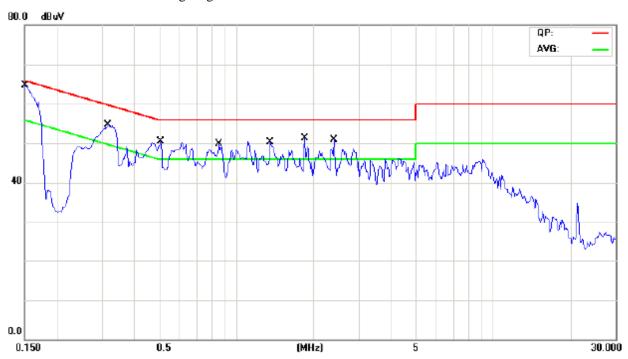
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: VGA(1200\*1024)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	62.34	54.11	66.00	56.00
0.318	Neutral	52.66	38.56	59.76	49.76
0.509	Neutral	48.66	29.77	56.00	46.00
0.861	Neutral	44.18	34.29	56.00	46.00
1.357	Neutral	47.94	36.02	56.00	46.00
1.849	Neutral	45.56	33.82	56.00	46.00
2.407	Neutral	46.32	32.98	56.00	46.00

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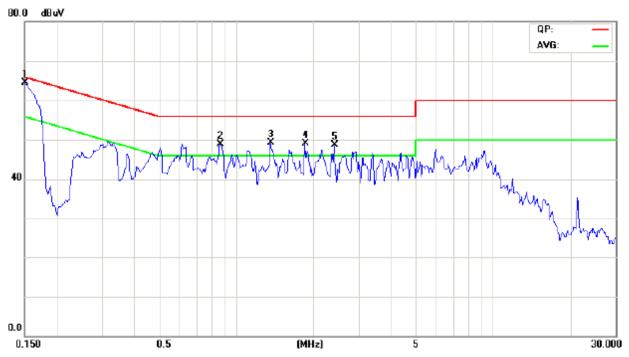
# **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-55.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.51	53.25	66.00	56.00
0.864	Live	48.95	36.22	56.00	46.00
1.357	Live	49.31	30.13	56.00	46.00
1.853	Live	49.19	35.18	56.00	46.00
2.407	Live	48.65	36.21	56.00	46.00

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# T: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

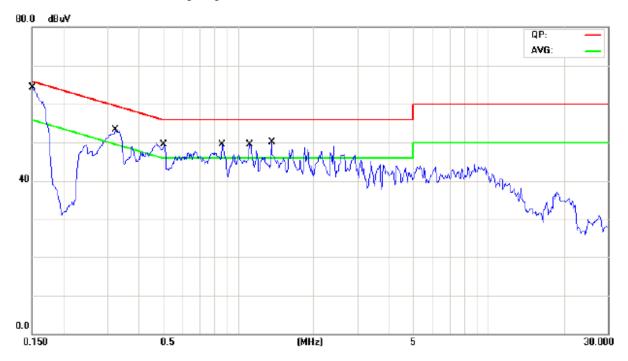
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-55.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.28	54.03	66.00	56.00
0.322	Neutral	52.82	37.01	59.66	49.66
0.509	Neutral	48.71	35.56	56.00	46.00
0.864	Neutral	44.69	35.89	56.00	46.00
1.114	Neutral	45.09	35.45	56.00	46.00
1.357	Neutral	47.94	35.86	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# U: Conducted Emission on Live Terminal (150kHz to 30MHz)

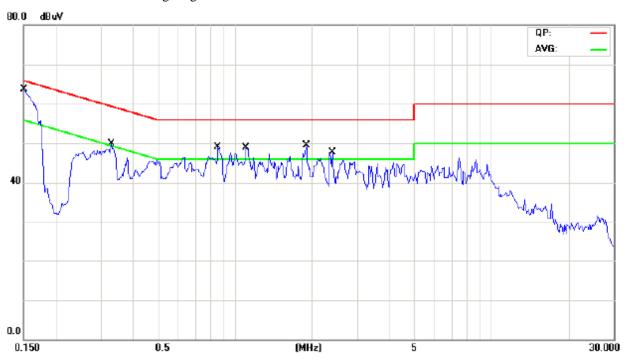
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input ATV-633.25MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.08	52.44	66.00	56.00
0.329	Live	46.65	29.62	59.46	49.46
0.861	Live	43.88	33.95	56.00	46.00
1.114	Live	44.53	34.88	56.00	46.00
1.903	Live	49.53	38.65	56.00	46.00
2.407	Live	46.28	32.39	56.00	46.00

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#### V: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

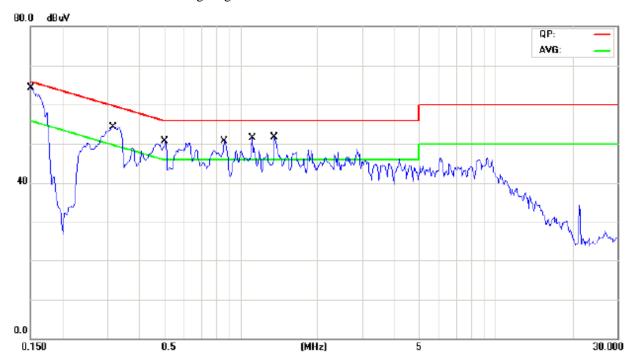
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input ATV-633.25MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.34	54.11	66.00	56.00
0.318	Neutral	52.66	38.67	59.76	49.76
0.505	Neutral	47.96	31.79	56.00	46.00
0.864	Neutral	44.53	36.05	56.00	46.00
1.107	Neutral	44.67	35.15	56.00	46.00
1.357	Neutral	47.76	36.09	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



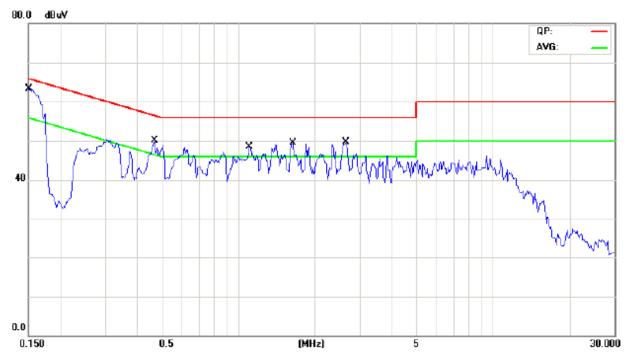
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-795.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.33	49.84	66.00	56.00
0.470	Live	50.16	40.78	56.51	46.51
1.110	Live	48.58	35.22	56.00	46.00
1.642	Live	49.48	38.89	56.00	46.00
2.657	Live	49.80	40.43	56.00	46.00

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# X: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

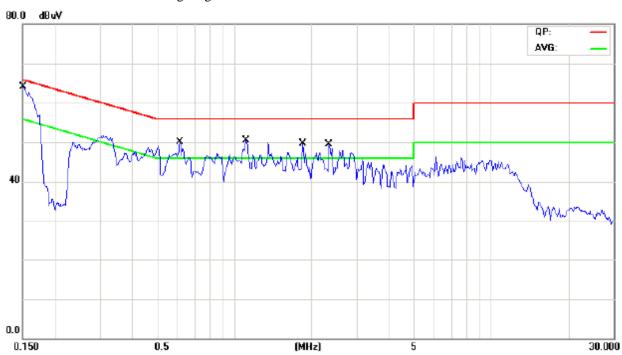
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input ATV-795.25MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	64.05	50.43	66.00	56.00
0.614	Neutral	50.07	39.85	56.00	46.00
1.114	Neutral	50.53	38.49	56.00	46.00
1.849	Neutral	49.75	35.32	56.00	46.00
2.341	Neutral	49.47	37.34	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



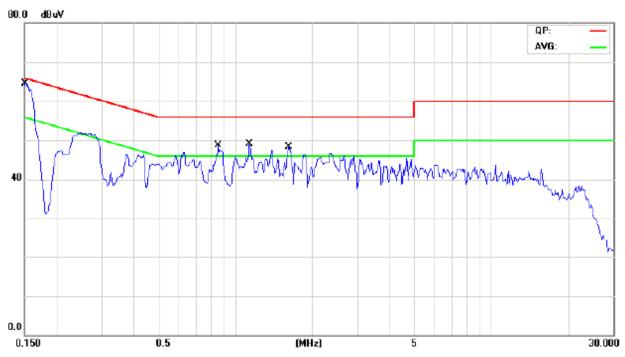
# Y: Conducted Emission on Live Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 1 Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	64.49	50.33	65.96	55.96
0.860	Live	48.69	36.67	56.00	46.00
1.138	Live	49.01	36.22	56.00	46.00
1.622	Live	48.34	37.90	56.00	46.00

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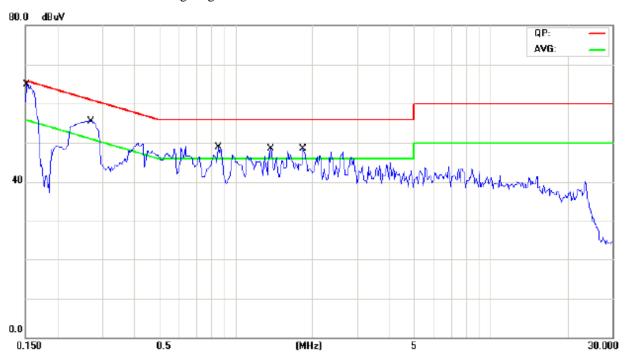
# Z: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 1 Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.151	Neutral	64.91	50.43	65.91	55.91
0.271	Neutral	55.58	42.98	61.09	51.09
0.857	Neutral	48.96	32.43	56.00	46.00
1.376	Neutral	48.49	34.53	56.00	46.00
1.841	Neutral	48.45	37.54	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



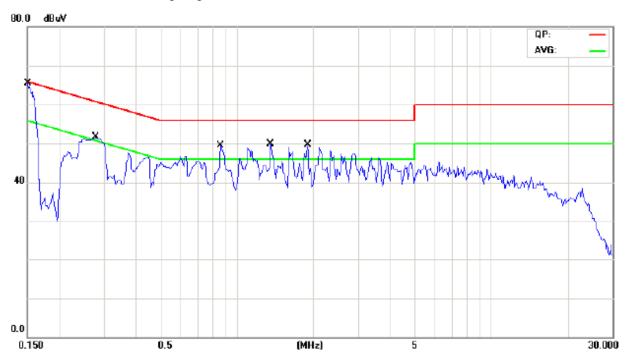
# A1: Conducted Emission on Live Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 2 Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Live	63.45	49.94	66.00	56.00
0.279	Live	48.93	34.86	60.85	50.85
0.864	Live	44.83	36.28	56.00	46.00
1.357	Live	45.26	35.14	56.00	46.00
1.900	Live	44.72	32.99	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



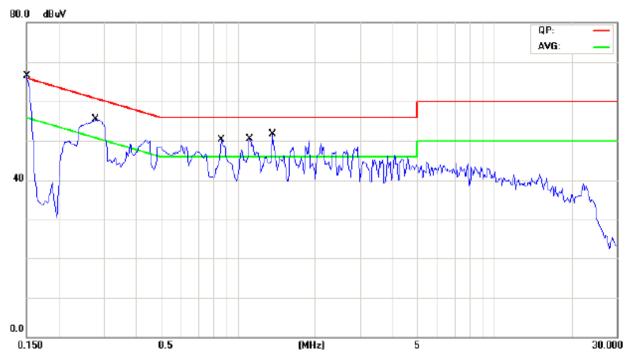
# B1: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 2 Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)		Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	62.96	52.25	66.00	56.00
0.279	Neutral	52.82	37.71	60.85	50.85
0.864	Neutral	45.49	36.80	56.00	46.00
1.114	Neutral	45.15	35.28	56.00	46.00
1.361	Neutral	47.52	34.96	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# C1: Conducted Emission on Live Terminal (150kHz to 30MHz)

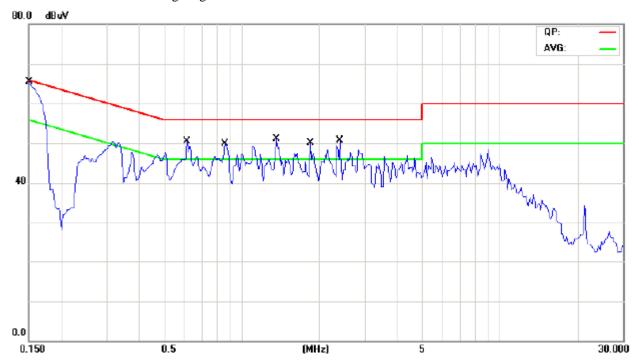
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-54.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	$Reading(dB\mu V)$		Limit(dBµV)	
(MHz)	Lille	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	64.08	52.39	66.00	56.00
0.614	Live	44.51	35.30	56.00	46.00
0.864	Live	44.35	35.97	56.00	46.00
1.361	Live	45.18	34.46	56.00	46.00
1.849	Live	45.03	33.35	56.00	46.00
2. 407	Live	45.92	32.76	56.00	46.00

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# D1: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

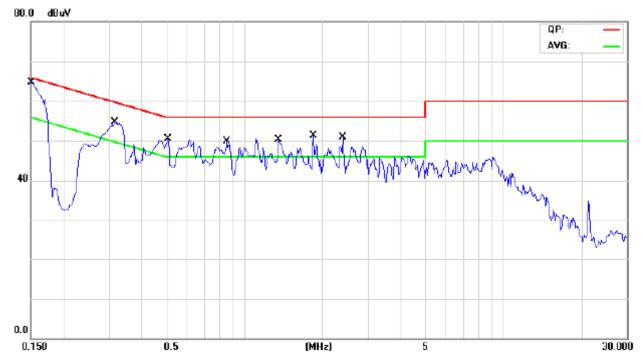
# **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-54.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBμV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	62.34	54.11	66.00	56.00
0.318	Neutral	52.66	38.56	59.76	49.76
0.509	Neutral	48.66	29.77	56.00	46.00
0.861	Neutral	44.18	34.29	56.00	46.00
1.357	Neutral	47.94	36.02	56.00	46.00
1.849	Neutral	45.56	33.82	56.00	46.00
2.407	Neutral	46.32	32.98	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

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# E1: Conducted Emission on Live Terminal (150kHz to 30MHz)

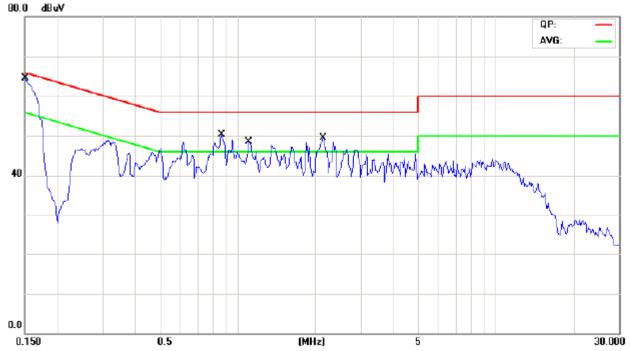
# **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-198.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	64.51	52.10	66.00	56.00
0.866	Live	50.37	36.98	56.00	46.00
1.110	Live	48.44	38.63	56.00	46.00
2.153	Live	49.53	36.43	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# F1: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

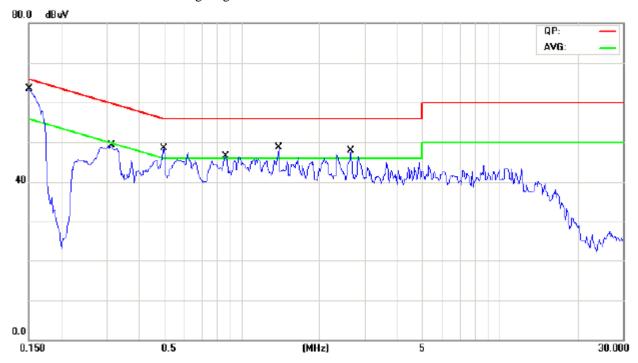
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input DTV-198.31MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.55	50.98	66.00	56.00
0.314	Neutral	49.29	38.76	59.86	49.86
0.501	Neutral	48.42	39.64	56.00	46.00
0.868	Neutral	46.44	38.43	56.00	46.00
1.392	Neutral	48.69	35.05	56.00	46.00
2.657	Neutral	47.94	36.94	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# G1: Conducted Emission on Live Terminal (150kHz to 30MHz)

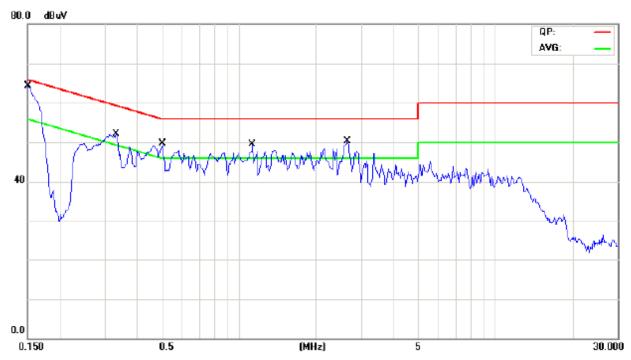
# **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input DTV-554.31MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Live	64.25	53.73	66.00	56.00
0.333	Live	52.15	40.34	59.36	49.36
0.505	Live	49.64	38.89	56.00	46.00
1.343	Live	49.49	35.98	56.00	46.00
2.661	Live	50.36	38.87	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

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### H1: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

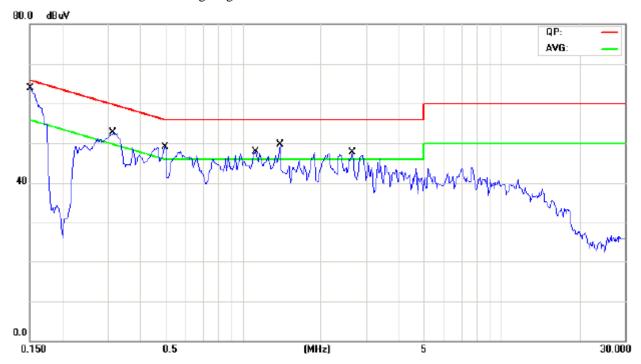
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input DTV-554.31MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency	Line	Reading(dBµV)		Limit(dBµV)	
(MHz)	Line	Quasi-peak	Average	Quasi-peak	Average
0.150	Neutral	63.85	52.01	66.00	56.00
0.314	Neutral	52.80	40.32	59.86	49.86
0.501	Neutral	49.14	39.98	56.00	46.00
1.122	Neutral	47.91	41.43	56.00	46.00
1.392	Neutral	49.61	40.42	56.00	46.00
2.657	Neutral	47.69	38.74	56.00	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



#### 5.0 Radiated Disturbance Test

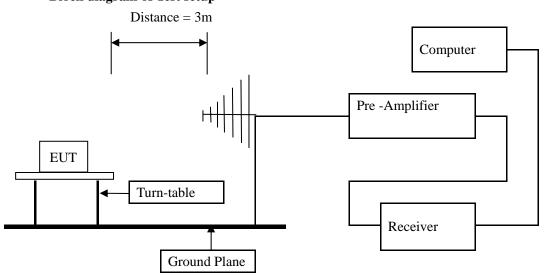
#### 5.1 Schematics of the test



#### 5.2 Test Method and test Procedure:

The EUT was tested according to ANSI C63.4 –2003, The frequency spectrum from 30MHz to 1GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak 0values with a resolution bandwidth of 120KHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made at 3 meters.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



#### 5.3 Radiated Emission Limit

Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
30-88	3	40.00
88-216	3	43.50
216-960	3	46.00
Above 960	3	54.00

Note: The lower limit shall apply at the transition frequencies

#### 5.4 Test result

The frequency spectrum from 30MHz to 5GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made at 3 meters.

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In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate."

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### A: Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM88.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	35.90	Н	43.50
299.175	36.34	Н	46.00
567.014	39.07	Н	46.00
607.150	40.81	Н	46.00
789.025	40.11	Н	46.00
820.550	40.59	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### Radiated Disturbance (1000MHz----6000MHz)

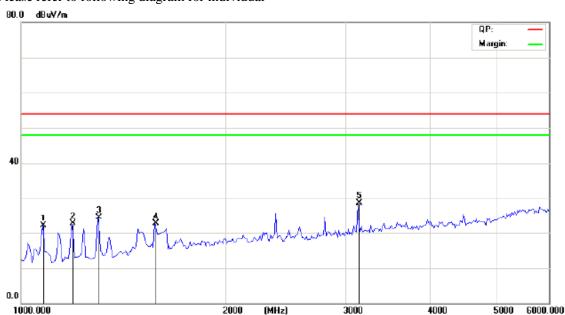
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM88.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m ( $dB\mu V/m$ )	Antenna Polarity	Limit@3m ( $dB\mu V/m$ )
1075.00	22.13 (PK)	Н	54.00(AV)
1187.50	22.69 (PK)	Н	54.00(AV)
1300.00	24.44 (PK)	Н	54.00(AV)
1575.00	22.66 (PK)	Н	54.00(AV)
3137.50	28.75 (PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# B: Radiated Disturbance (30MHz----1000MHz)

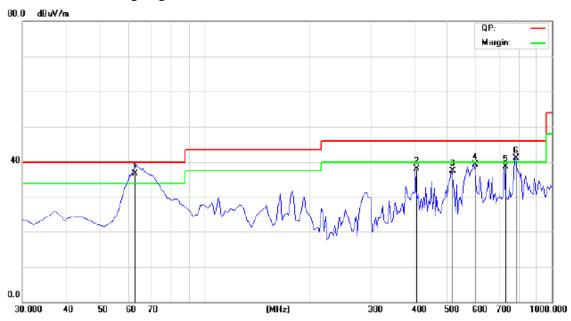
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM88.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
62.860	36.67	V	40.00
408.300	38.01	V	46.00
515.000	37.52	V	46.00
597.450	39.31	V	46.00
733.250	38.77	V	46.00
789.025	41.05	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

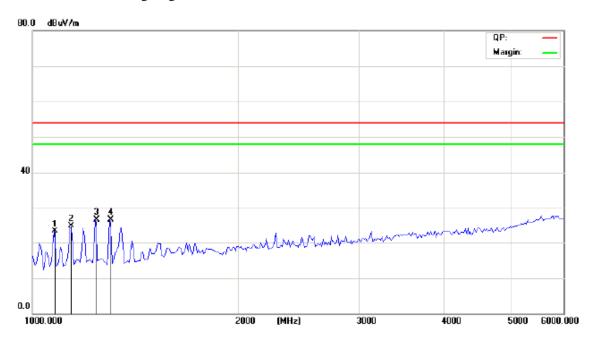
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM88.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1075.00	23.39(PK)	V	54.00(AV)
1137.50	24.90(PK)	V	54.00(AV)
1237.50	26.70(PK)	V	54.00(AV)
1300.00	26.77(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### C: Radiated Disturbance (30MHz----1000MHz)

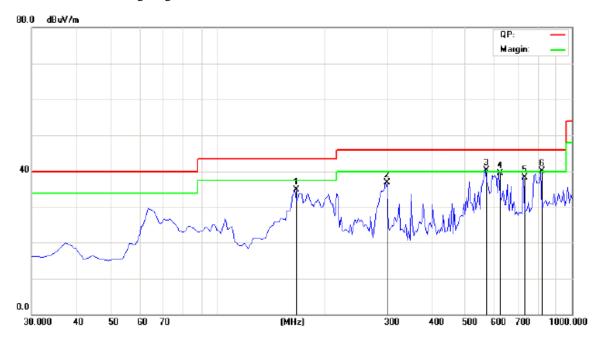
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** Input FM98.1MHz Radio Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	34.91	Н	43.50
299.175	36.94	Н	46.00
573.200	40.22	Н	46.00
624.125	39.47	Н	46.00
733.250	38.27	Н	46.00
820.550	40.02	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### Radiated Disturbance (1000MHz----6000MHz)

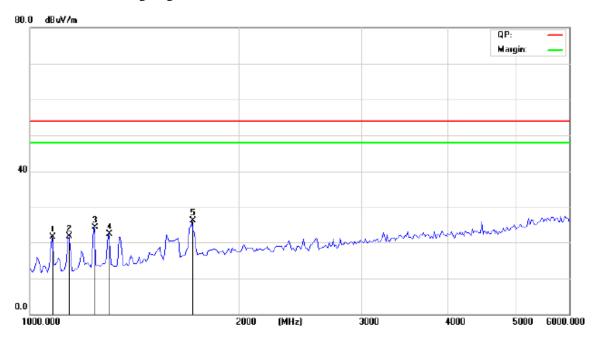
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM98.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1075.00	21.54(PK)	Н	54.00(AV)
1137.50	21.70(PK)	Н	54.00(AV)
1237.50	24.21(PK)	Н	54.00(AV)
1300.00	22.40(PK)	Н	54.00(AV)
1712.50	26.36(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### D: Radiated Disturbance (30MHz----1000MHz)

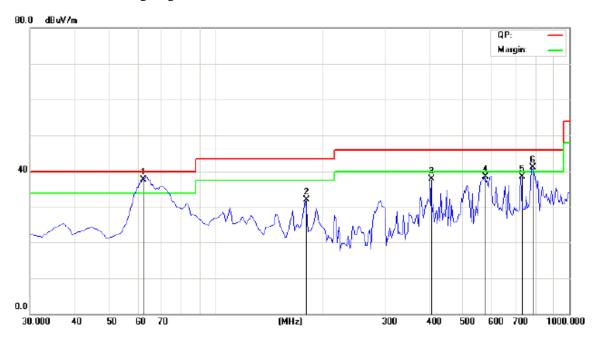
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM98.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
62.530	37.76	V	40.00
180.350	32.18	V	43.50
408.300	37.98	V	46.00
578.050	38.56	V	46.00
733.250	38.41	V	46.00
789.025	41.12	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

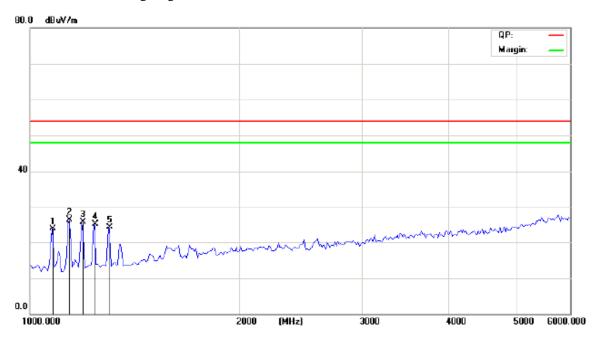
#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM98.1MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1075.00	23.82 (PK)	V	54.00(AV)
1137.50	26.52(PK)	V	54.00(AV)
1187.50	25.99(PK)	V	54.00(AV)
1237.50	25.29(PK)	V	54.00(AV)
1300.00	24.39(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# E: Radiated Disturbance (30MHz----1000MHz)

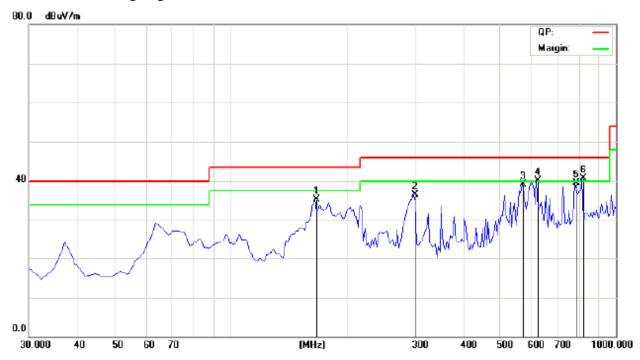
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM107.9MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	35.35	Н	43.50
299.175	36.84	Н	46.00
570.775	39.17	Н	46.00
624.125	40.07	Н	46.00
789.025	39.53	Н	46.00
820.550	40.78	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### Radiated Disturbance (1000MHz----6000MHz)

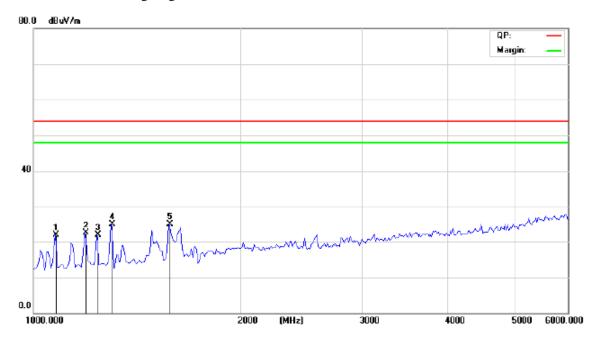
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM107.9MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1075.00	21.90(PK)	Н	54.00(AV)
1187.500	22.60(PK)	Н	54.00(AV)
1237.500	21.86(PK)	Н	54.00(AV)
1300.00	25.18(PK)	Н	54.00(AV)
1575.00	25.08(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### F: Radiated Disturbance (30MHz----1000MHz)

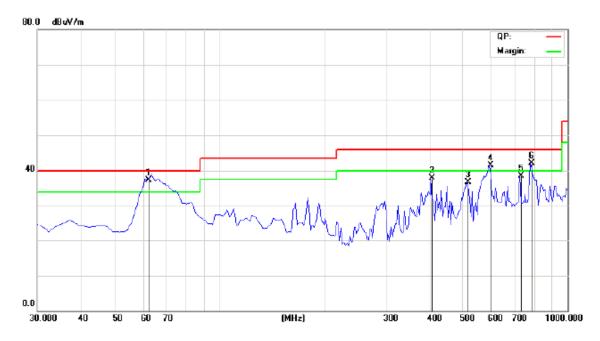
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM107.9MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
62.600	37.27	V	40.00
408.300	37.94	V	46.00
515.00	36.80	V	46.00
599.875	41.47	V	46.00
733.250	38.41	V	46.00
789.025	42.07	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### Radiated Disturbance (1000MHz----6000MHz)

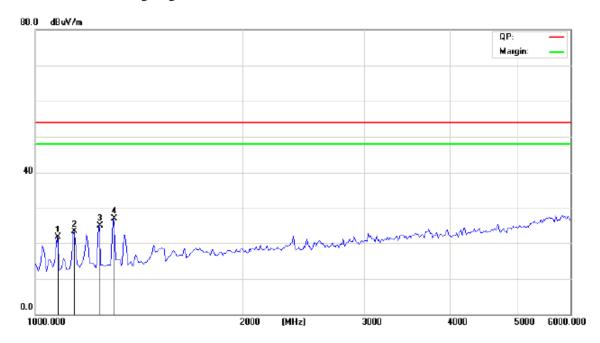
#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input FM107.9MHz Radio Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1075.00	21.71(PK)	V	54.00(AV)
1137.50	23.38(PK)	V	54.00(AV)
1237.50	25.06(PK)	V	54.00(AV)
1300.00	27.05(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



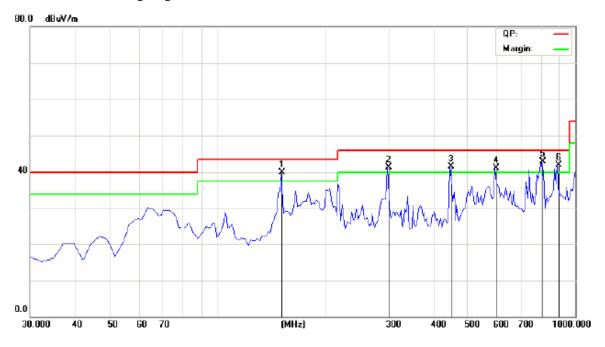
### G: Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: USB Play Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
151.250	39.93	Н	43.50
299.175	41.36	Н	46.00
447.100	41.53	Н	46.00
597.450	41.08	Н	46.00
803.575	43.00	Н	46.00
893.300	41.81	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

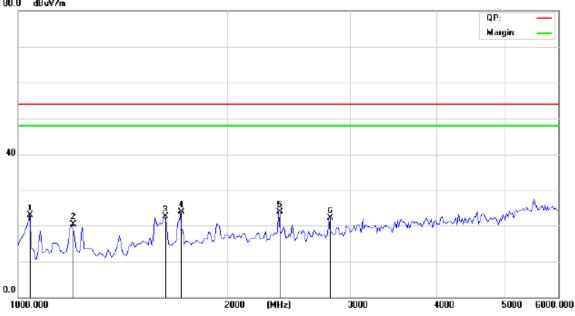
Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: USB Play Equipment Level: Class B** 

**Results: Pass** 

Please refer to following diagram for individual

80.0 dBuV/m



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1037.50	22.84(PK)	Н	54.00(AV)
1200.00	20.38(PK)	Н	54.00(AV)
1625.00	22.52(PK)	Н	54.00(AV)
1712.50	23.97(PK)	Н	54.00(AV)
2375.00	23.96(PK)	Н	54. 00(AV)
2812.50	22.17(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



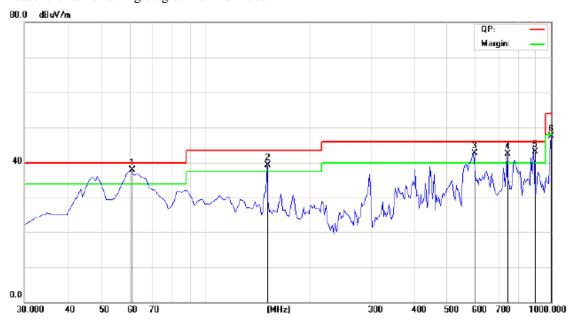
### H: Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: USB Play Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	37.94	V	40.00
151.250	39.26	V	43.50
597.450	42.80	V	46.00
745.375	42.52	V	46.00
893.300	43.15	V	46.00
1000.00	47.53	V	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



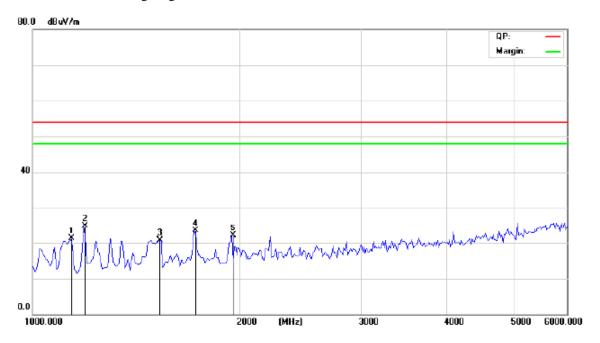
# Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: USB Play Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1137.50	21.33(PK)	V	54.00(AV)
1187.50	24.91(PK)	V	54.00(AV)
1525.00	20.77(PK)	V	54.00(AV)
1725.00	23.51(PK)	V	54.00(AV)
1950.00	22.10(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



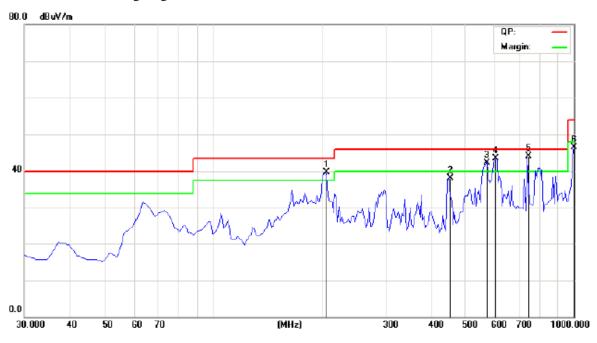
### I Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: HDMI 2 Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
204.600	39.67	Н	43.50
451.950	38.13	Н	46.00
570.775	42.23	Н	46.00
602.300	43.57	Н	46.00
745.375	44.18	Н	46.00
1000.00	46.52	Н	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



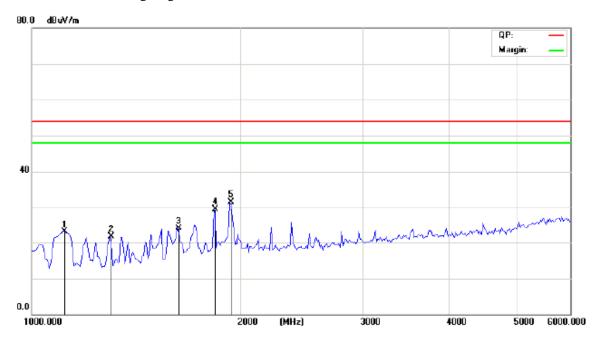
### Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 2 Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1113.49	23.09(PK)	Н	54.00(AV)
1300.00	21.79(PK)	Н	54.00(AV)
1625.00	24.04(PK)	Н	54.00(AV)
1837.50	29.60(PK)	Н	54.00(AV)
1937.50	31.49(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### J Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 2 Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
63.950	37.03	V	40.00
408.300	37.94	V	46.00
597.450	43.33	V	46.00
745.375	43.88	V	46.00
789.025	40.06	V	46.00
1000.00	49.43	V	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



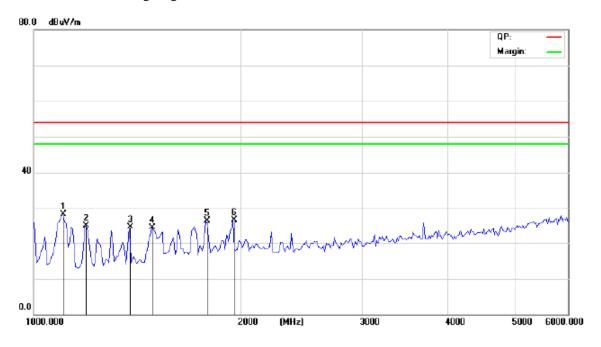
### Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: HDMI 2 Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1100.00	28.38(PK)	V	54.00(AV)
1187.50	25.14(PK)	V	54.00(AV)
1375.00	24.67(PK)	V	54.00(AV)
1487.50	24.45(PK)	V	54.00(AV)
1787.50	26.46(PK)	V	54.00(AV)
1950.00	26.73(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



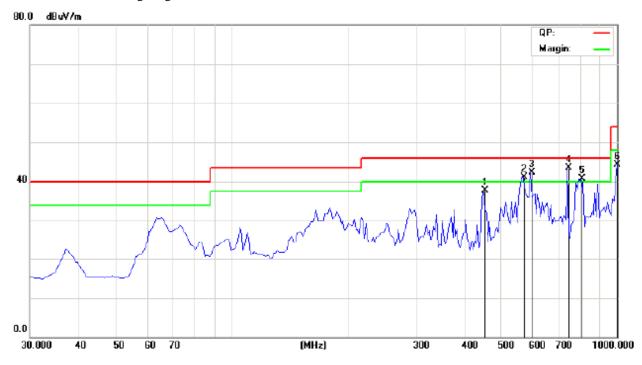
# K Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 1 Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
451.950	37.79	Н	46.00
570.775	41.18	Н	46.00
597.450	42.21	Н	46.00
745.375	43.50	Н	46.00
803.575	40.73	Н	46.00
1000.00	44.28	Н	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



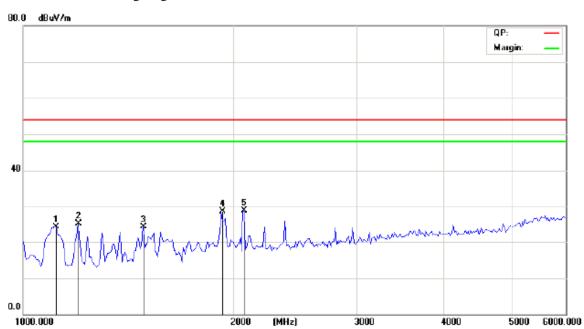
# Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: HDMI 1 Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1112.50	24.39(PK)	Н	54.00(AV)
1200.00	25.38(PK)	Н	54.00(AV)
1487.50	24.34(PK)	Н	54.00(AV)
1925.00	28.78(PK)	Н	54.00(AV)
2075.00	28.83(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



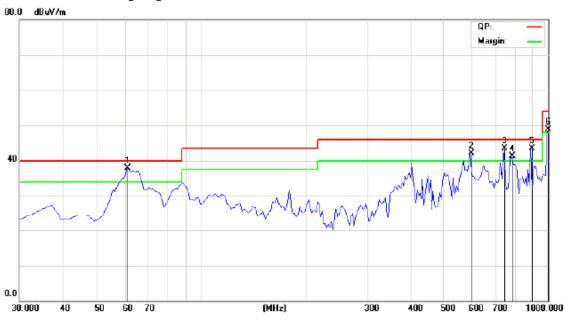
### L Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: HDMI 1 Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	37.89	V	40.00
597.450	42.16	V	46.00
745.375	43.52	V	46.00
789.025	41.38	V	46.00
893.300	43.43	V	46.00
1000.00	48.99	V	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



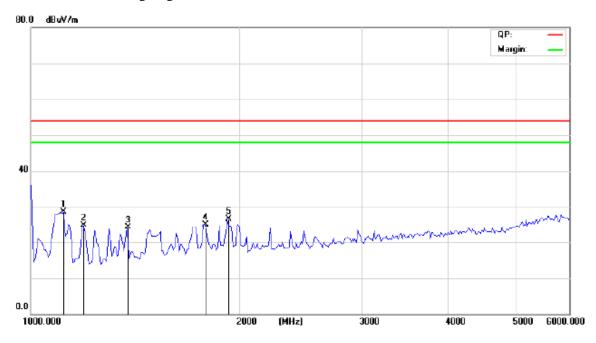
# Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: HDMI 1 Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1112.50	28.65(PK)	V	54.00(AV)
1187.50	24.96(PK)	V	54.00(AV)
1375.00	24.30(PK)	V	54.00(AV)
1787.50	25.06(PK)	V	54.00(AV)
1925.00	26.73(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### M Radiated Disturbance (30MHz----1000MHz)

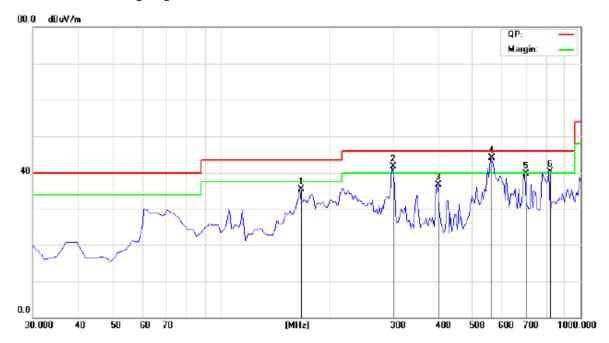
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: VGA(800\*600) (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	35.45	Н	43.50
299.175	41.68	Н	46.00
401.025	36.66	Н	46.00
563.500	44.19	Н	46.00
699.300	39.73	Н	46.00
820.550	40.25	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



### Radiated Disturbance (1000MHz----6000MHz)

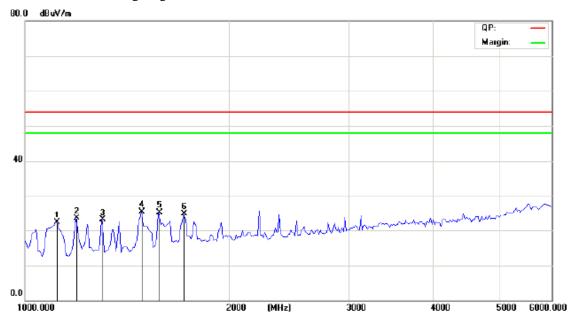
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(800\*600)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1112.50	22.30(PK)	Н	54.00(AV)
1187.50	23.43(PK)	Н	54.00(AV)
1300.00	23.16(PK)	Н	54.00(AV)
1487.50	25.43(PK)	Н	54.00(AV)
1575.00	25.29(PK)	Н	54.00(AV)
1712.50	24.85(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# N Radiated Disturbance (30MHz----1000MHz)

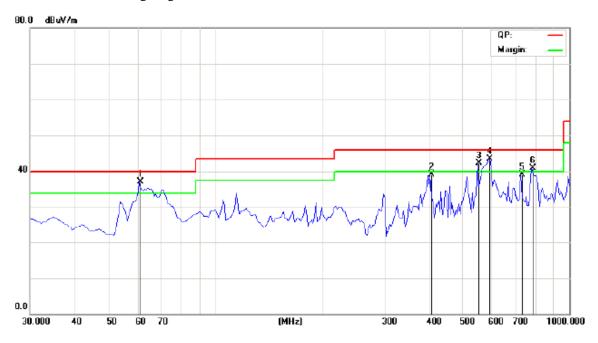
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(800\*600)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	37.13	V	40.00
408.300	39.16	V	46.00
551.375	42.21	V	46.00
592.600	43.52	V	46.00
733.250	39.10	V	46.00
789.025	40.96	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

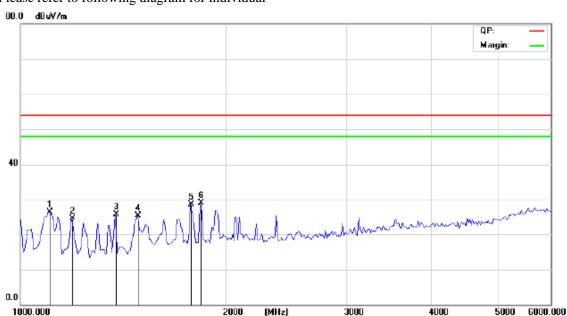
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(800\*600)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1100.00	26.60(PK)	V	54.00(AV)
1187.50	24.64(PK)	V	54.00(AV)
1375.00	25.89(PK)	V	54.00(AV)
1487.50	25.57(PK)	V	54.00(AV)
1775.00	28.63(PK)	V	54.00(AV)
1837.50	29.05(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

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# O Radiated Disturbance (30MHz----1000MHz)

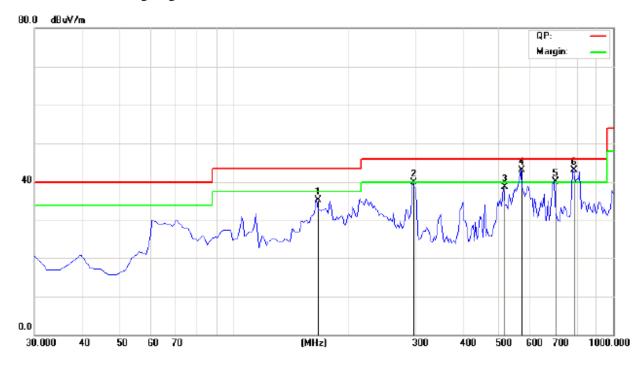
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(1204\*768)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	35.31	Н	43.50
296.750	39.96	Н	46.00
515.000	38.74	Н	46.00
570.775	43.15	Н	46.00
699.300	40.03	Н	46.00
789.025	43.19	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

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Report No: 1104185 Date: 2011-05-12



### Radiated Disturbance (1000MHz----6000MHz)

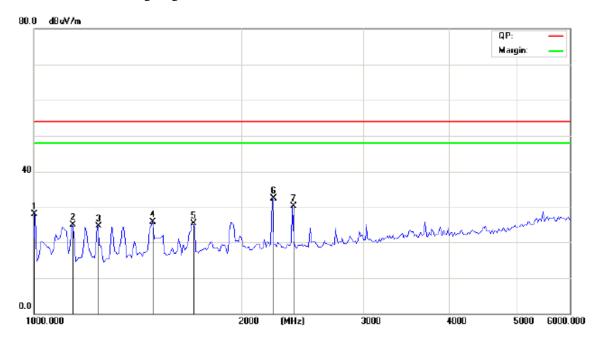
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(1204\*768)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1004.48	28.20(PK)	Н	54.00(AV)
1137.50	25.04(PK)	Н	54.00(AV)
1237.50	24.78(PK)	Н	54.00(AV)
1487.50	25.94(PK)	Н	54.00(AV)
1700.00	25.54(PK)	Н	54.00(AV)
2225.00	32.58(PK)	Н	54.00(AV)
2375.00	30.28(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## P Radiated Disturbance (30MHz----1000MHz)

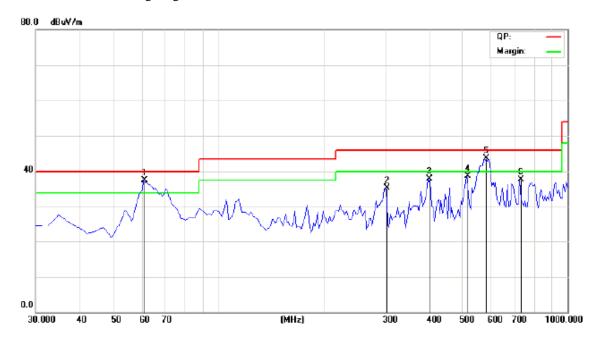
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(1204\*768)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	37.58	V	40.00
301.600	35.31	V	46.00
398.600	37.97	V	46.00
515.00	38.79	V	46.00
585.325	43.66	V	46.00
733.250	37.79	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(1204\*768)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 

Please refer to following diagram for individual

90.0 dBw/m

QP:

Margin:

1000.000
2000 (MHz) 3000 4000 5000 6000.000

Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1025.00	21.66(PK)	V	54.00(AV)
1137.50	23.33(PK)	V	54.00(AV)
1187.50	23.86(PK)	V	54.00(AV)
1237.50	22.74(PK)	V	54.00(AV)
1350.02	22.95(PK)	V	54.00(AV)
1712.50	24.27(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Q Radiated Disturbance (30MHz----1000MHz)

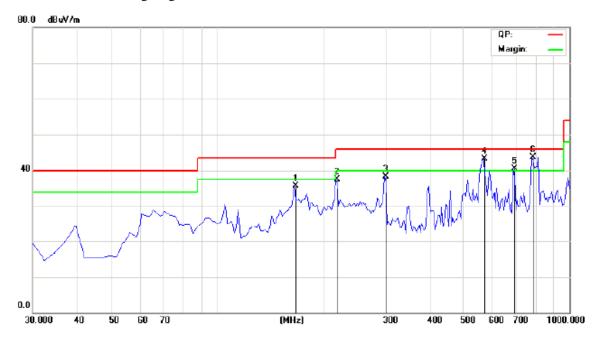
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** VGA(1200\*1024) (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	35.71	Н	43.50
219.150	37.48	Н	46.00
299.175	38.40	Н	46.00
573.200	43.25	Н	46.00
696.875	40.57	Н	46.00
789.025	43.63	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

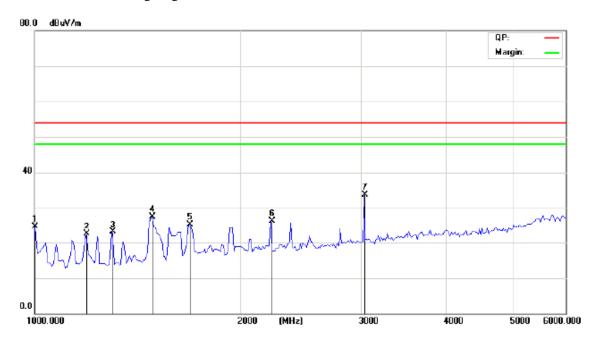
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** VGA(1200\*1024) (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1000.00	24.70(AV)	Н	54.00(AV)
1187.50	22.48(AV)	Н	54.00(AV)
1300.00	23.06(AV)	Н	54.00(AV)
1487.50	27.55(AV)	Н	54.00(AV)
1687.50	25.26(AV)	Н	54.00(AV)
2225.00	26.32(AV)	Н	54.00(AV)
3037.50	33.63(AV)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## R Radiated Disturbance (30MHz----1000MHz)

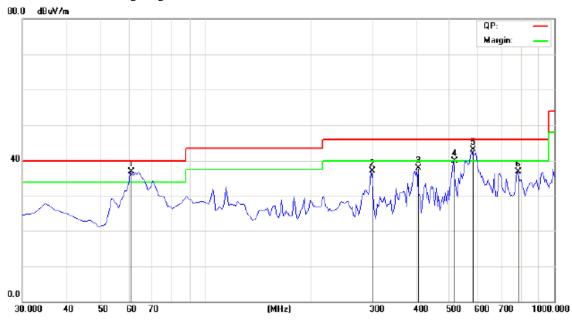
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** VGA(1200\*1024) (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	36.87	V	40.00
299.175	37.01	V	46.00
408.300	37.98	V	46.00
515.000	39.97	V	46.00
582.900	43.16	V	46.00
789.025	36.84	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

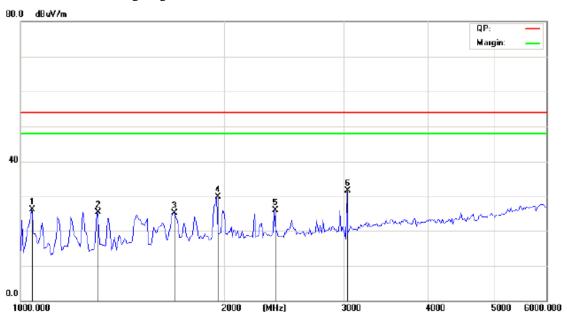
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: VGA(1200\*1024)** (Connected to PC)

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1037.500	26.27(AV)	V	54.00(AV)
1300.00	25.54(AV)	V	54.00(AV)
1687.50	25.40(AV)	V	54.00(AV)
1950.00	29.94(AV)	V	54.00(AV)
2375.00	26.04(AV)	V	54.00(AV)
3037.50	31.72(AV)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## S Radiated Disturbance (30MHz----1000MHz)

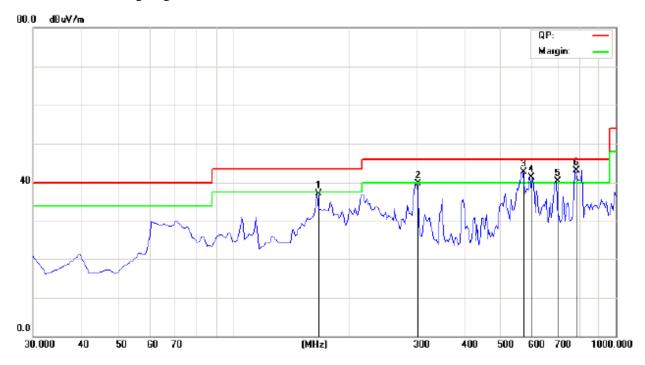
### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-55.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	37.13	Н	43.50
301.600	39.80	Н	46.00
570.775	42.78	Н	46.00
599.875	41.29	Н	46.00
699.300	40.31	Н	46.00
789.025	43.02	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

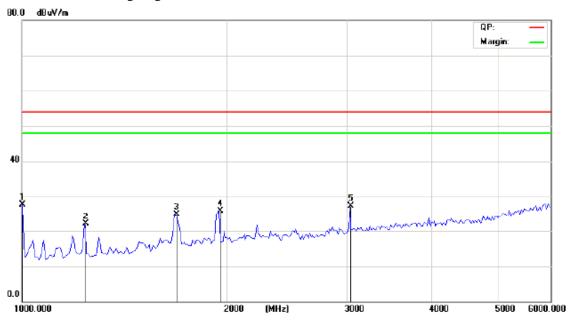
### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-55.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1000.00	27.62(PK)	Н	54.00(AV)
1237.50	22.05(PK)	Н	54.00(AV)
1687.50	24.81(PK)	Н	54.00(AV)
1950.00	25.82(PK)	Н	54.00(AV)
3037.50	27.35(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## T Radiated Disturbance (30MHz----1000MHz)

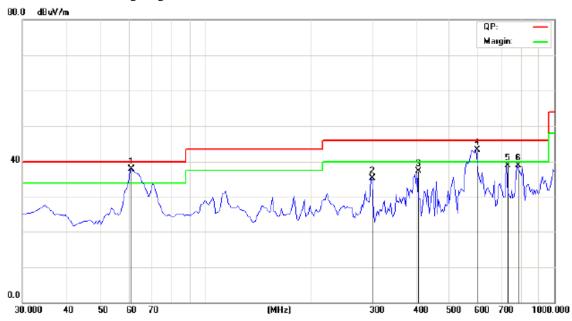
### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-55.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	37.83	V	40.00
299.175	35.23	V	46.00
408.300	37.30	V	46.00
597.450	43.22	V	46.00
733.250	38.93	V	46.00
789.025	38.94	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

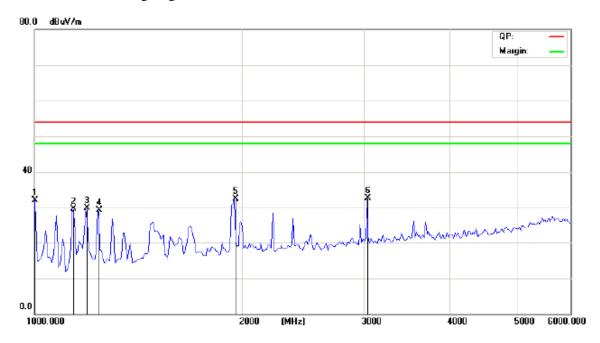
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-55.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1000.00	32.20(PK)	V	54.00(AV)
1137.50	29.65(PK)	V	54.00(AV)
1187.50	29.83(PK)	V	54.00(AV)
1237.50	29.38(PK)	V	54.00(AV)
1950.00	32.60(PK)	V	54.00(AV)
3037.50	32.79(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# U: Radiated Disturbance (30MHz----1000MHz)

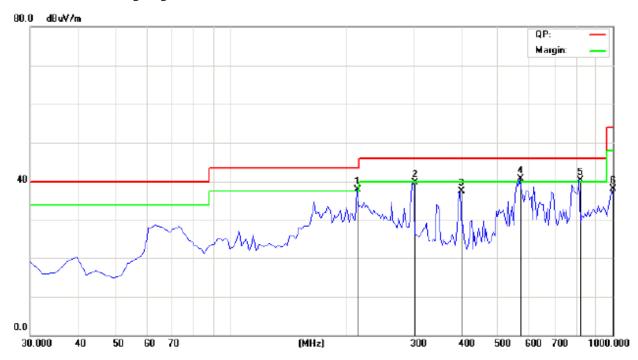
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input ATV-633.25MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
214.300	37.94	Н	43.50
301.600	39.68	Н	46.00
398.600	37.41	Н	43.50
570.775	40.67	Н	43.50
820.550	40.25	Н	46.00
992.725	38.07	Н	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

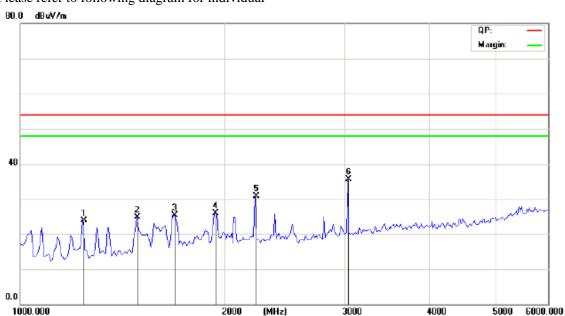
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-633.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1237.50	23.82(PK)	Н	54.00(AV)
1487.50	24.91(PK)	Н	54.00(AV)
1687.50	25.52(PK)	Н	54.00(AV)
1937.50	26.07(PK)	Н	54.00(AV)
2225.00	30.81(PK)	Н	54.00(AV)
3037.50	35.70(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## V: Radiated Disturbance (30MHz----1000MHz)

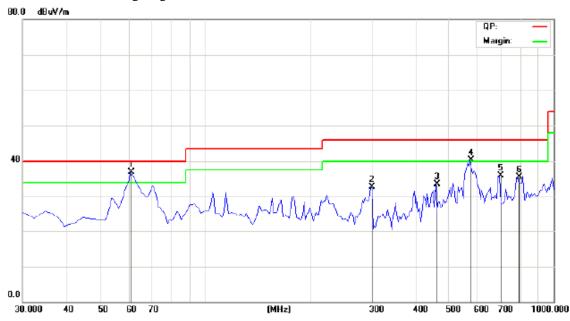
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-633.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	36.88	V	40.00
299.175	32.69	V	46.00
461.650	33.44	V	46.00
578.050	40.25	V	46.00
699.300	35.98	V	46.00
791.450	35.47	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

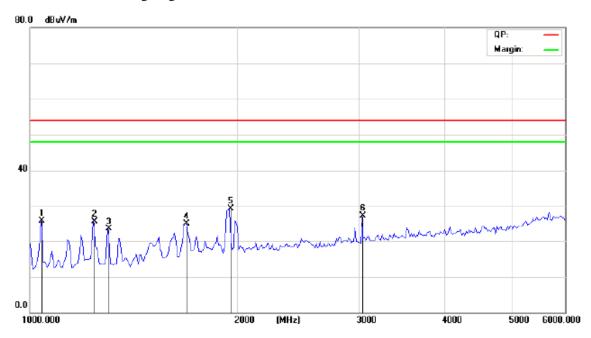
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-633.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1037.50	25.94(PK)	V	54.00(AV)
1237.50	25.75(PK)	V	54.00(AV)
1300.00	23.53(PK)	V	54.00(AV)
1687.50	25.09(PK)	V	54.00(AV)
1950.00	29.33(PK)	V	54.00(AV)
3037.50	27.21(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## W Radiated Disturbance (30MHz----1000MHz)

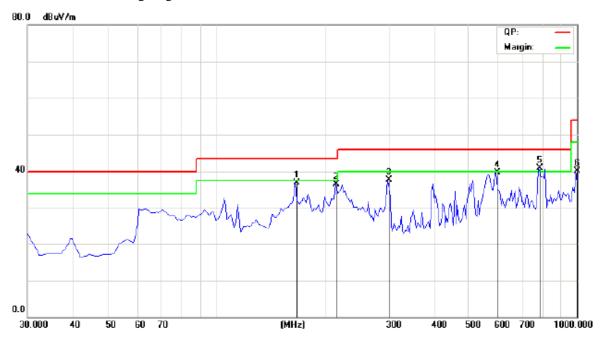
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** Input ATV-795.25MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	36.91	Н	43.50
214.300	36.52	Н	43.50
299.175	37.63	Н	46.00
597.450	39.66	Н	46.00
789.025	40.84	Н	46.00
992.725	40.19	Н	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

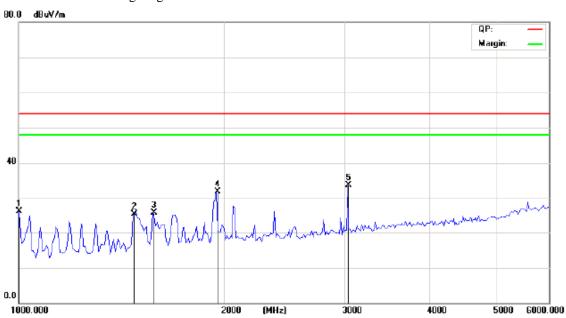
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-795.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m ( $dB\mu V/m$ )
1000.00	26.33(PK)	Н	54.00(AV)
1476.54	25.48(PK)	Н	54.00(AV)
1575.00	26.00(PK)	Н	54.00(AV)
1950.00	31.90(PK)	Н	54.00(AV)
3037.50	33.63(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## X Radiated Disturbance (30MHz----1000MHz)

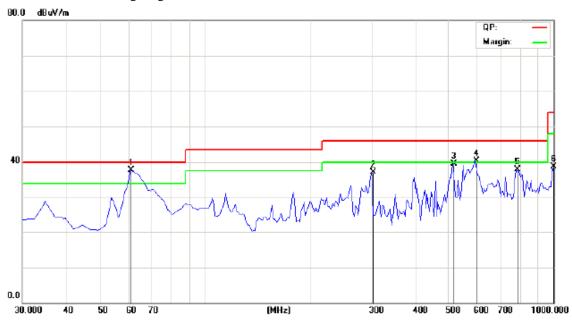
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input ATV-795.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	37.75	V	40.00
301.600	37.13	V	46.00
515.000	39.50	V	46.00
599.875	40.29	V	46.00
789.025	37.95	V	46.00
995.150	38.63	V	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

### **EUT Operating Environment**

Temperature:25 °C Humidity: 75% RH Atmospheric Pressure: 101 KPa

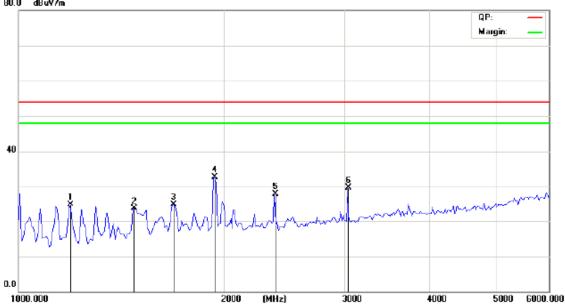
**EUT set Condition: Input ATV-795.25MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 

Please refer to following diagram for individual

80.0 dBuV/m



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1187.50	24.98(PK)	V	54.00(AV)
1476.54	23.73(PK)	V	54.00(AV)
1687.50	24.95(PK)	V	54.00(AV)
1937.50	32.79(PK)	V	54.00(AV)
2375.00	27.84(PK)	V	54.00(AV)
3037.50	29.69(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



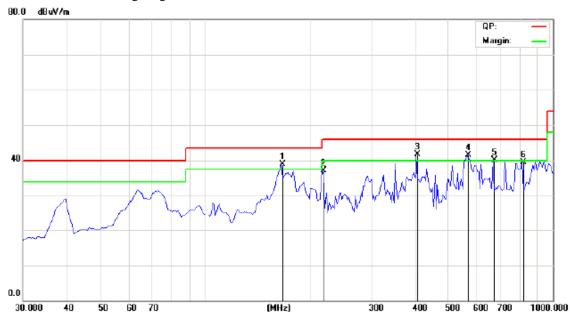
## Y Radiated Disturbance (30MHz----1000MHz)

### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** AV IN **Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	38.94	Н	43.50
219.150	37.15	Н	46.00
408.300	41.75	Н	46.00
565.925	41.57	Н	46.00
677.475	40.15	Н	46.00
820.550	39.56	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



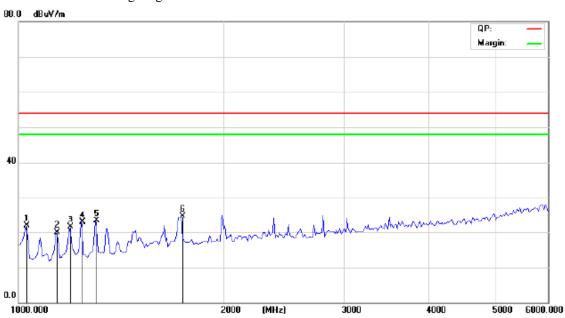
## Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: AV IN Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1025.00	21.96(PK)	Н	54.00(AV)
1137.50	19.95(PK)	Н	54.00(AV)
1187.50	21.49(PK)	Н	54.00(AV)
1237.50	22.88(PK)	Н	54.00(AV)
1300.00	23.32(PK)	Н	54.00(AV)
1737.50	24.63(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



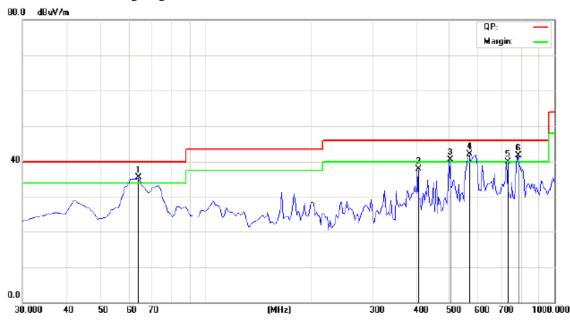
## Z Radiated Disturbance (30MHz----1000MHz)

### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: AV IN Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
63.950	35.52	V	40.00
408.300	37.94	V	46.00
502.875	40.84	V	46.00
565.925	42.13	V	46.00
733.250	39.81	V	46.00
789.025	41.63	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



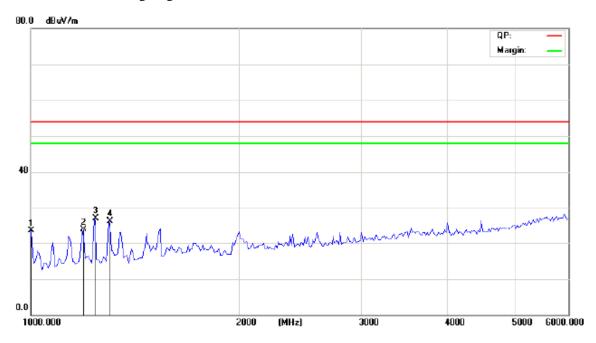
## Radiated Disturbance (1000MHz----6000MHz)

### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: AV IN Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1000.00	23.59(PK)	V	54.00(AV)
1187.50	23.95(PK)	V	54.00(AV)
1237.50	27.10(PK)	V	54.00(AV)
1300.00	26.38(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.

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Report No: 1104185 Date: 2011-05-12



# A1 Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** Input DTV-54.31MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
219.150	35.15	Н	46.00
515.000	37.59	Н	46.00
570.775	43.00	Н	46.00
677.475	39.15	Н	46.00
733.250	38.98	Н	46.00
820.550	39.56	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

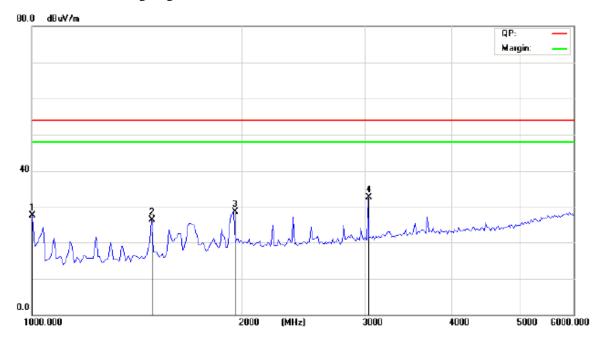
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-54.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1000.00	27.67(PK)	Н	54.00(AV)
1487.50	26.44(PK)	Н	54.00(AV)
1950.00	28.64(PK)	Н	54.00(AV)
3037.50	32.75(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## B1 Radiated Disturbance (30MHz----1000MHz)

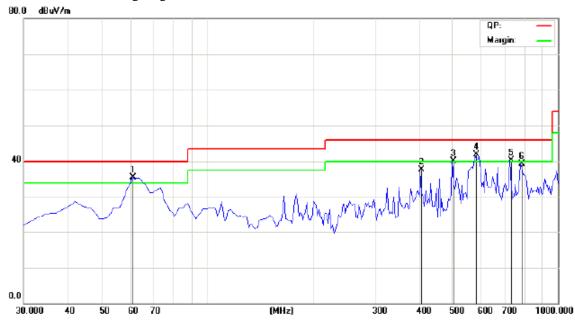
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-54.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
61.525	35.46	V	40.00
408.300	37.77	V	46.00
502.875	40.04	V	46.00
582.900	42.00	V	46.00
733.250	40.21	V	46.00
789.025	39.30	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

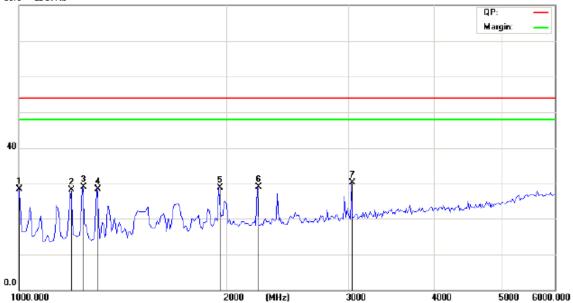
**EUT set Condition: Input DTV-54.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 

Please refer to following diagram for individual

80.0 dBuV/m



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1000.00	28.41(PK)	V	54.00(AV)
1187.50	28.31(PK)	V	54.00(AV)
1237.50	29.10(PK)	V	54.00(AV)
1300.00	28.42(PK)	V	54.00(AV)
1950.00	29.00(PK)	V	54.00(AV)
2225.00	29.05(PK)	V	54.00(AV)
3037.50	30.40(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## C1 Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Input DTV-198.31MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
73.650	29.21	Н	40.00
180.350	34.52	Н	43.50
515.000	35.91	Н	46.00
570.775	42.07	Н	46.00
789.025	42.79	Н	46.00
919.975	36.52	Н	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

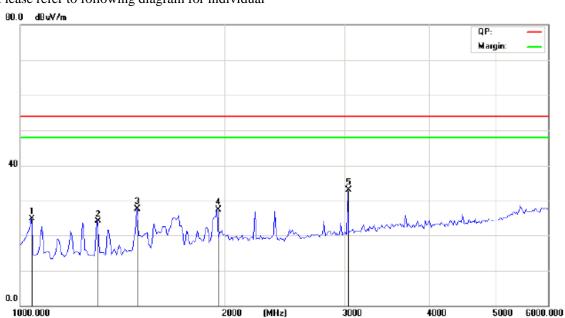
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-198.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1037.50	24.99(PK)	Н	54.00(AV)
1300.00	24.19(PK)	Н	54.00(AV)
1487.50	27.62(PK)	Н	54.00(AV)
1950.00	27.55(PK)	Н	54.00(AV)
3037.50	33.10(PK)	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## D1 Radiated Disturbance (30MHz----1000MHz)

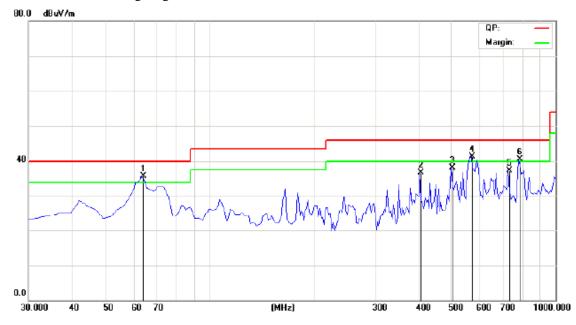
#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-198.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
63.950	35.66	V	40.00
408.300	36.63	V	40.00
502.875	38.15	V	46.00
570.775	41.22	V	46.00
733.250	37.28	V	46.00
789.025	40.58	V	46.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

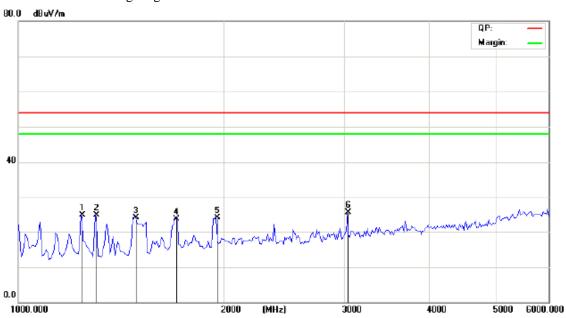
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-198.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1237.50	24.99(PK)	V	54.00(AV)
1300.00	24.85(PK)	V	54.00(AV)
1487.50	24.08(PK)	V	54.00(AV)
1700.00	23.63(PK)	V	54.00(AV)
1950.00	24.17(PK)	V	54.00(AV)
3037.50	25.62(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## E1 Radiated Disturbance (30MHz----1000MHz)

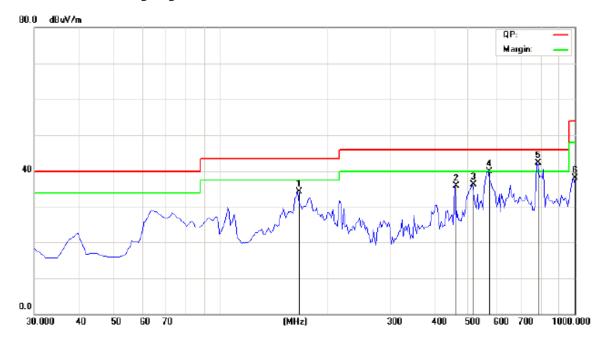
#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** Input DTV-554.31MHz TV Signal

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
165.800	34.28	Н	43.50
461.650	35.99	Н	46.00
515.000	36.24	Н	46.00
570.775	39.87	Н	46.00
789.025	42.21	Н	46.00
995.150	38.01	Н	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## Radiated Disturbance (1000MHz----6000MHz)

#### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

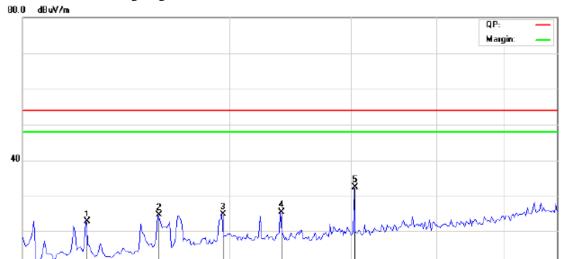
**EUT set Condition: Input DTV-554.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 

1000.000

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1237.50	22.67(PK)	Н	54.00(AV)
1575.00	24.73(PK)	Н	54.00(AV)
1950.00	24.93(PK)	Н	54.00(AV)
2375.00	25.42(PK)	Н	54.00(AV)
3037.50	32.49(PK)	Н	54.00(AV)

(MHz)

3000

4000

5000

6000.000

2000

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## F1 Radiated Disturbance (30MHz----1000MHz)

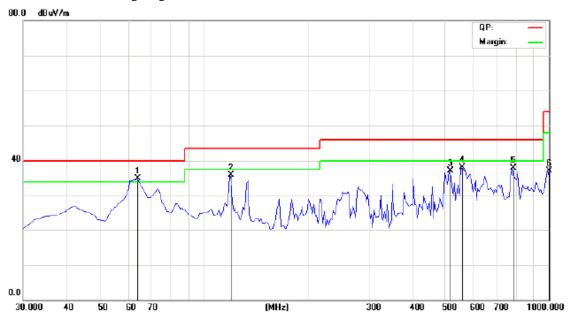
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-554.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
63.950	34.82	V	40.00
119.725	35.87	V	43.50
515.000	37.03	V	46.00
558.650	38.05	V	46.00
786.600	37.94	V	46.00
992.725	37.02	V	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

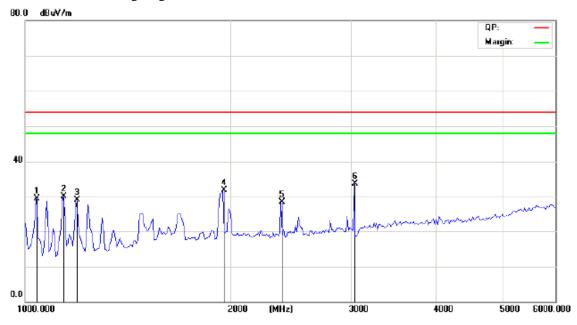
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Input DTV-554.31MHz TV Signal** 

**Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1037.50	29.48(PK)	V	54.00(AV)
1137.50	30.06(PK)	V	54.00(AV)
1187.50	29.17(PK)	V	54.00(AV)
1950.00	31.85(PK)	V	54.00(AV)
2375.00	28.65(PK)	V	54.00(AV)
3037.50	33.63(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



## G1 Radiated Disturbance (30MHz----1000MHz)

#### **EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

EUT set Condition: LAN Equipment Level: Class B

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
180.350	33.27	Н	43.50
408.300	36.33	Н	46.00
575.625	40.78	Н	46.00
789.025	41.88	Н	46.00
820.550	40.39	Н	46.00
992.725	37.35	Н	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



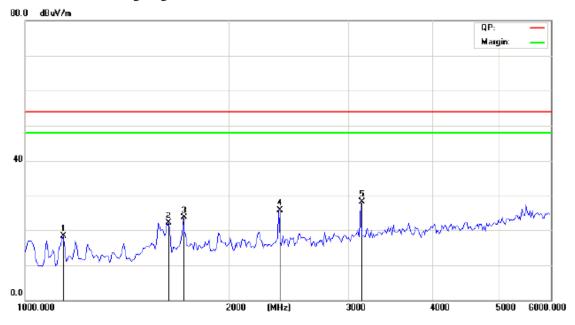
## Radiated Disturbance (1000MHz----6000MHz)

### **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: LAN Equipment Level: Class B** 

**Results: Pass** 



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1137.50	18.25(PK)	Н	54.00(AV)
1625.00	22.04	Н	54.00(AV)
1712.50	23.73	Н	54.00(AV)
2375.00	25.84	Н	54.00(AV)
3137.50	28.34	Н	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# H1 Radiated Disturbance (30MHz----1000MHz)

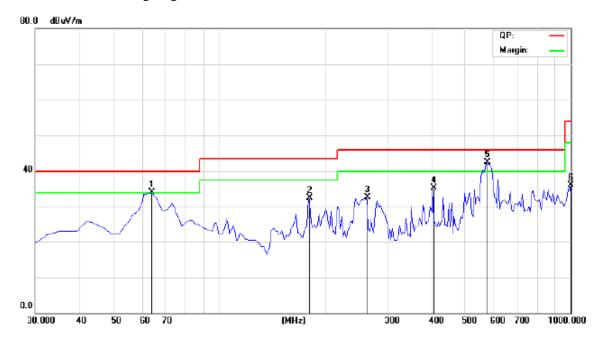
## **EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: LAN Equipment Level: Class B** 

**Results: Pass** 

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
63.950	34.10	V	40.00
180.350	32.59	V	43.50
262.800	32.65	V	46.00
408.300	35.36	V	46.00
578.050	42.47	V	46.00
992.725	36.18	V	54.00

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



# Radiated Disturbance (1000MHz----6000MHz)

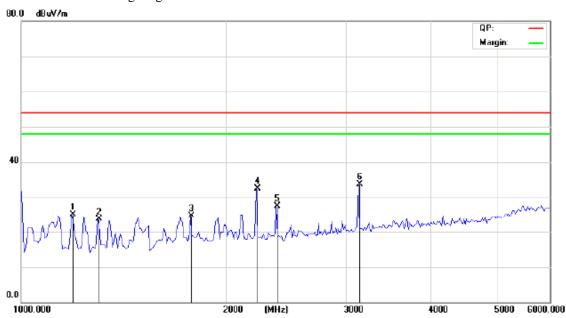
### **EUT Operating Environment**

Temperature:25 ℃ Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition:** LAN **Equipment Level:** Class **B** 

**Results: Pass** 

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
1187.50	25.12(PK)	V	54.00(AV)
1300.00	23.71(PK)	V	54.00(AV)
1775.00	24.67(PK)	V	54.00(AV)
2225.00	32.56(PK)	V	54.00(AV)
2375.00	27.42(PK)	V	54.00(AV)
3137.50	33.68(PK)	V	54.00(AV)

<sup>&</sup>quot;The report refers only to the sample tested and does not apply to the bulk production.



5.0	Antenna conduc	ted Power					
5.1	Test Method						
	1 The EUT was p	olaced on a table, w	hich is 0.8m above gr	ound plane			
	2 Maximum proc	edure was perform	ed to ensure EUT con	npliance			
	3 A impedance m	atching pad(75ohn	n/50ohm)is used for th	e test from the tuner to	the receiver input port		
	4 A EMI test rece	eiver(R&S Test Red	ceiver ESCS30) is used	d to test the emissions f	rom the antenna port		
	through the impe	dance matching pa	d				
5.2	Limit						
		Frequency	Power	Voltage	Detector		
		MHz	nW	$dB\mu V$			
		30-5000	2	51.8	PK		
	Remark: During the Antenna conducted power test, all the channels in TV mode, DTV mode and FM						
	mode are applied	d, and the results	are met the limit of 1	requirement, the test da	ata which listed in the		
	mode are applied, and the results are met the limit of requirement, the test data which listed in the report are the typical Channels of High Middle and Low						

Test mode	TV55.25MHz		Frequency Range	30M-1000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	(dBµV)	(dBµV)	$(dB\mu V)$	(dB)	
342.42	40.42	38.54	51.8	13.26	
867.45	38.43	35.33	51.8	16.47	

Test mode	TV633.25MHz		Frequency Range	30M-5000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	
234.42	40.54	38.41	51.8	13.39	
456.63	43.34	40.64	51.8	11.16	
785.53	38.66	35.43	51.8	16.37	
853.24	44.56	39.67	51.8	12.13	

Test mode	TV795.25MHz		Frequency Range	30M-5000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	$(dB\mu V)$	$(dB\mu V)$	(dBµV)	(dB)	
347.62	40.42	37.64	51.8	14.16	
487.53	43.56	40.42	51.8	11.38	
688.41	43.66	39.89	51.8	11.91	
983.54	46.83	42.79	51.8	9.01	

"The report refers only to the sample tested and does not apply to the bulk production.

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Test mode	DTV54	4.31MH2	Frequency Range	30M-1000MHz		
Frequency	Emission level	Reading level	Limit	Margin		
(MHz)	(dBµV)	(dBµV)	$(dB\mu V)$	(dB)		
284.43	39.43	35.65	51.8	16.15		
432.84	35.56	31.43	51.8	20.37		
848.42	40.53	37.53	51.8	14.27		

Test mode	DTV198.31MHz		Frequency Range	30M-2000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	
486.67	38.76	36.76	51.8	15.04	
769.34	41.54	38.43	51.8	13.37	

Test mode	DTV554.31MHz		Frequency Range	30M-5000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	
432.67	35.54	31.65	51.8	20.15	
753.65	32.57	28.16	51.8	19.23	

Test mode	FM88.1MHz		Frequency Range	30M-1000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	
328.65	38.65	33.65	51.8	18.15	
642.76	37.65	34.31	51.8	17.49	

Test mode	FM98.1MHz		Frequency Range	30M-1000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	$(dB\mu V)$	$(dB\mu V)$	$(dB\mu V)$	(dB)	
516.87	36.65	31.43	51.8	20.37	

Test mode	FM107.9MHz		Frequency Range	30M-1000MHz	
Frequency	Emission level	Reading level	Limit	Margin	
(MHz)	$(dB\mu V)$	$(dB\mu V)$	$(dB\mu V)$	(dB)	
368.65	38.65	34.65	51.8	17.15	
684.54	39.76	36.76	51.8	15.05	

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6.0

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location: On the product body

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### Photo for the EUT



### 7.1 Photo for the EUT



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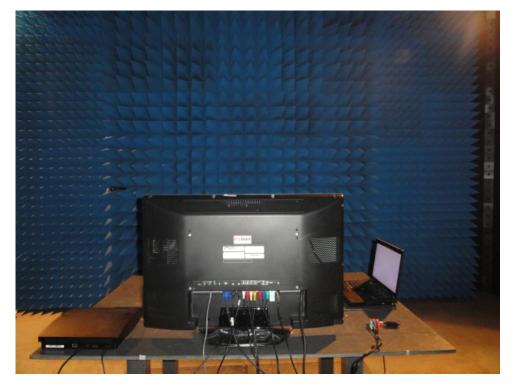
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#### 7.2 Photo for the EUT





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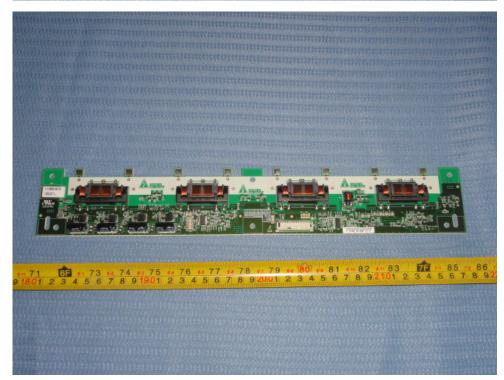
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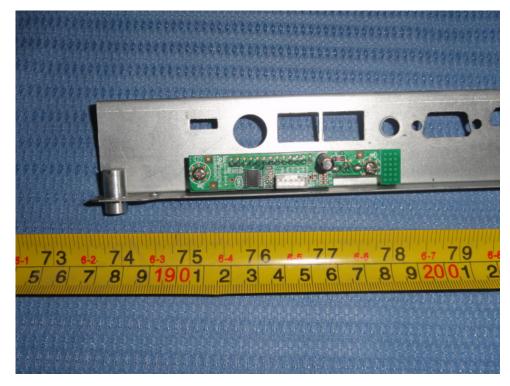
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# -End of the report-

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