FCC Test Report

FCC ID: 2AEZV-ICI101T

Product:	DIGITAL ADVERTISEMENT SCREEN
Trade Mark:	ICI
Model Number:	ICI101T
Serial Model:	N/A
Report No.:	NTEK-2017NT06144000F4

Prepared for

ICI Technology Shenzhen Co., Ltd.
2A826, Xinludao Building, Nanshan Street and Guimiao Road,
Nanshan District, Shenzhen, China.

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name ..... :	ICI Technology Shenzhen Co., Ltd.
Address..... :	2A826, Xinludao Building, Nanshan Street and Guimiao Road, Nanshan District, Shenzhen, China.
Manufacturer's Name ..... :	ICI Technology Shenzhen Co., Ltd.
Address..... :	2A826, Xinludao Building, Nanshan Street and Guimiao Road, Nanshan District, Shenzhen, China.

Product description

Product name.....:	DIGITAL ADVERTISEMENT SCREEN
Model and/or type reference :	ICI101T
Standards ..... :	FCC Part15B:Apr 11.2017 ANSI C63.4:2014

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

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Date of Test .....:	
Date (s) of performance of tests.....:	14 Jun. 2017 ~ 19 Jul. 2017
Date of Issue .....:	19 Jul. 2017
Test Result.....:	**Pass**

Testing Engineer : Susan Su

(Susan Su)

Technical Manager : Jason chen

(Jason Chen)

Authorized Signatory : Sam . Chen

(Sam Chen)

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15B:2017 ANSI C63.4: 2014	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

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

(2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd
Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.
FCC Registration Number: 463705; IC Registration Number:9270A-1
CNAS Registration Number:L5516

1.2 MEASUREMENT UNCERTAINTY

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

A. Conducted Measurement :

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

B. Radiated Measurement :

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

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>DIGITAL ADVERTISEMENT SCREEN</td></tr>
<tr><td>Trade Mark</td><td>ICI</td></tr>
<tr><td>Model Name</td><td>ICI101T</td></tr>
<tr><td>Serial Model</td><td>N/A</td></tr>
<tr><td>Model Difference</td><td>N/A</td></tr>
<tr><td>Product Description</td><td>The EUT is a DIGITAL ADVERTISEMENT SCREEN.
<table><tr><td>Connecting I/O port:</td><td>USB, DC in, HDMI, RJ45, SD Card, SPKR, ETH</td></tr><tr><td>Operation Frequency:</td><td>BT:2402~2480 MHz
WIFI:802.11b/g/n20:2412~2462MHz
802.11n40MHz: 2422-2452MHz</td></tr><tr><td>Modulation Type:</td><td>BT(1Mbps)/BLE: GFSK
BT EDR(2Mbps): π/4-DQPSK
BT EDR(3Mbps): 8-DPSK
IEEE 802.11b :
DSSS (CCK, DQPSK, DBPSK)
IEEE 802.11g/n (HT20/HT40) : OFDM
(64QAM, 16QAM, QPSK, BPSK)</td></tr></table></td></tr>
<tr><td>Power Source</td><td>DC 12V from adapter or DC 48V from POE</td></tr>
<tr><td>Adapter</td><td>N/A</td></tr>
<tr><td>Battery</td><td>N/A</td></tr>
<tr><td>HW Version</td><td>N/A</td></tr>
<tr><td>SW Version</td><td>N/A</td></tr>
</table>

2.1.1 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	SD card Playing
Mode 2	USB Playing
Mode 3	LAN
Mode 4	BT
Mode 5	WIFI

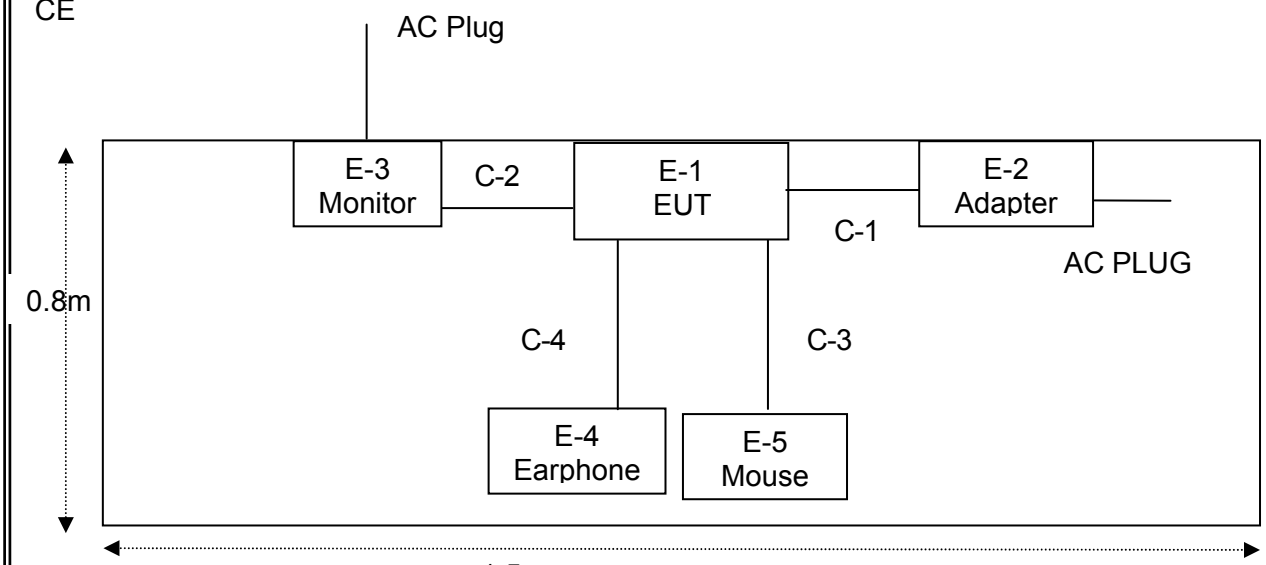
For Conducted Test	
Final Test Mode	Description
Mode 1	SD card Playing
Mode 2	USB Playing
Mode 3	LAN
Mode 4	BT
Mode 5	WIFI

For Radiated Test	
Final Test Mode	Description
Mode 1	SD card Playing
Mode 2	USB Playing
Mode 3	LAN
Mode 4	BT
Mode 5	WIFI

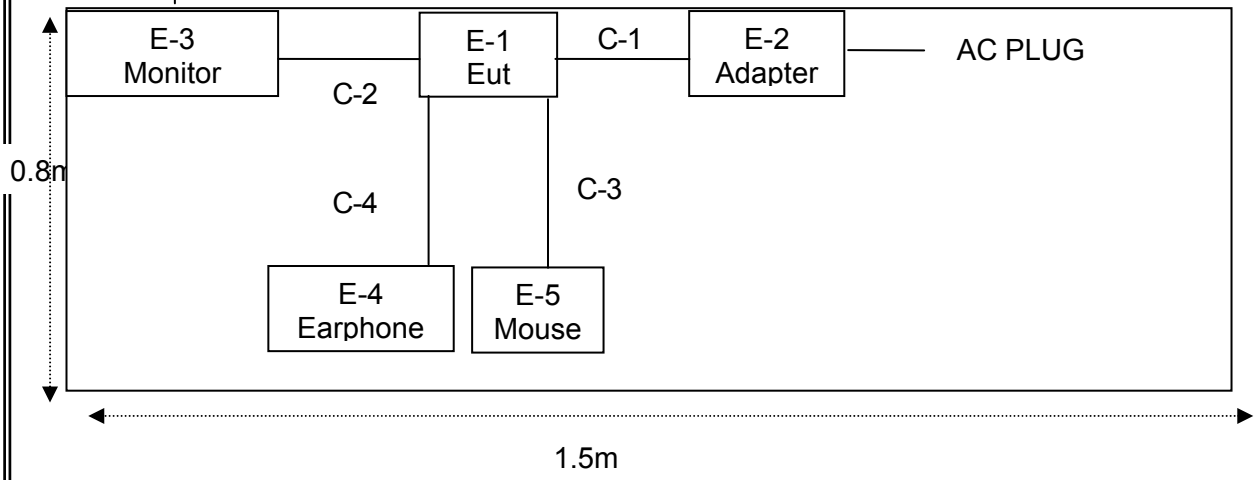
Note: Final Test Mode: Through Pre-scan, find the mode 1 is the worst case.
Only the worst case mode is recorded in the report.

2.2 DESCRIPTION OF TEST SETUP

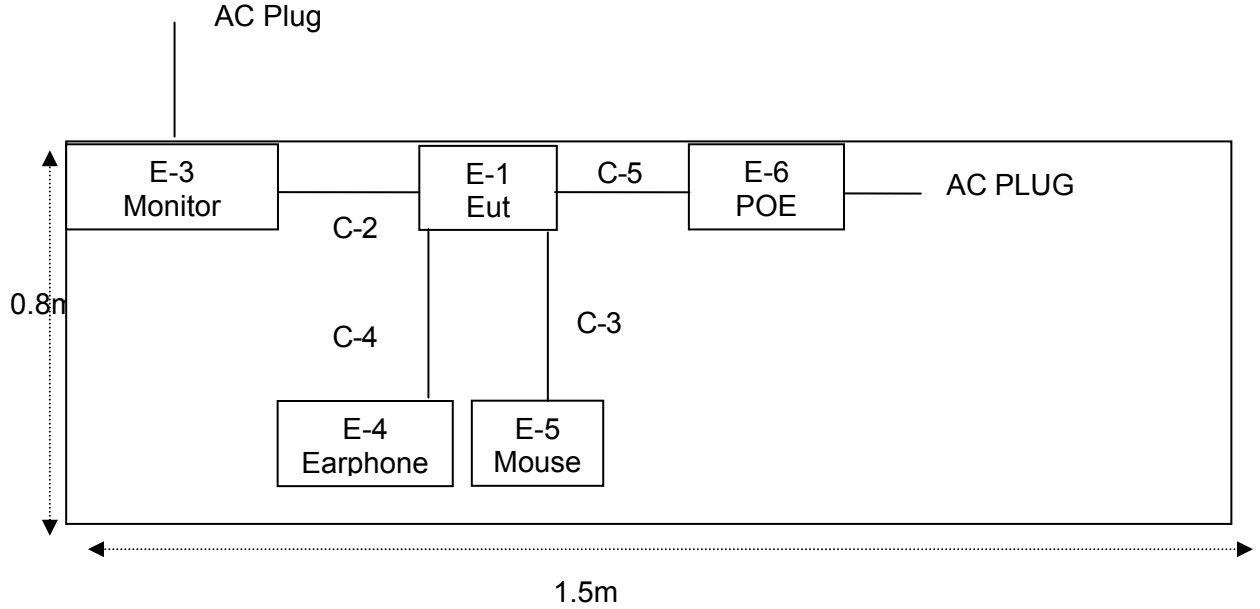
CE



RE



Telecommunication Port



2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	DIGITAL ADVERTISEMENT SCREEN	ICI	ICI101T	N/A	EUT
E-2	Adapter	N/A	P24090250 US	N/A	Peripherals
E-3	Monitor	SONY	KDL-24EX520	N/A	
E-4	Earphone	N/A	2688	N/A	Peripherals
E-5	Mouse	DELL	MS111-P	cn-011d3v-71581-11e-1th7	Peripherals
E-6	POE	N/A	PSE5416E	N/A	

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	1.5m	
C-2	HDMI Cable	NO	NO	1.0m	
C-3	Mouse Cable	NO	NO	1.2m	
C-4	Earphone Cable	NO	NO	1.2m	
C-5	RJ45 Cable	NO	NO	1.5m	

Note:

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

2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2017.06.06	2018.06.05	1 year
2	Test Receiver	R&S	ESPI	101318	2017.06.06	2018.06.05	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2017.04.09	2018.04.08	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2017.06.06	2018.06.05	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2017.06.06	2018.06.05	1 year
6	Horn Antenna	EM	EM-AH-10180	2011071402	2017.04.09	2018.04.08	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2017.07.06	2018.07.05	1 year
8	Amplifier	EMC	EMC051835SE	980246	2016.08.09	2017.08.08	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2017.06.06	2018.06.05	1 year
10	Power Meter	DARE	RPR3006W	15I00041SNO84	2016.08.09	2017.08.08	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619.05	2016.07.06	2017.07.05	1 year
12	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2017.04.21	2020.04.20	3 year
13	High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2017.04.21	2020.04.20	3 year
14	High Test Cable(1G-40 GHz)	N/A	R-04	N/A	2017.04.21	2020.04.20	3 year

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2017.06.06	2018.06.05	1 year
2	LISN	R&S	ENV216	101313	2017.04.19	2018.04.18	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2017.06.06	2018.06.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2017.06.06	2018.06.05	1 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2017.04.21	2020.04.20	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2017.04.21	2020.04.20	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2017.04.21	2020.04.20	3 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

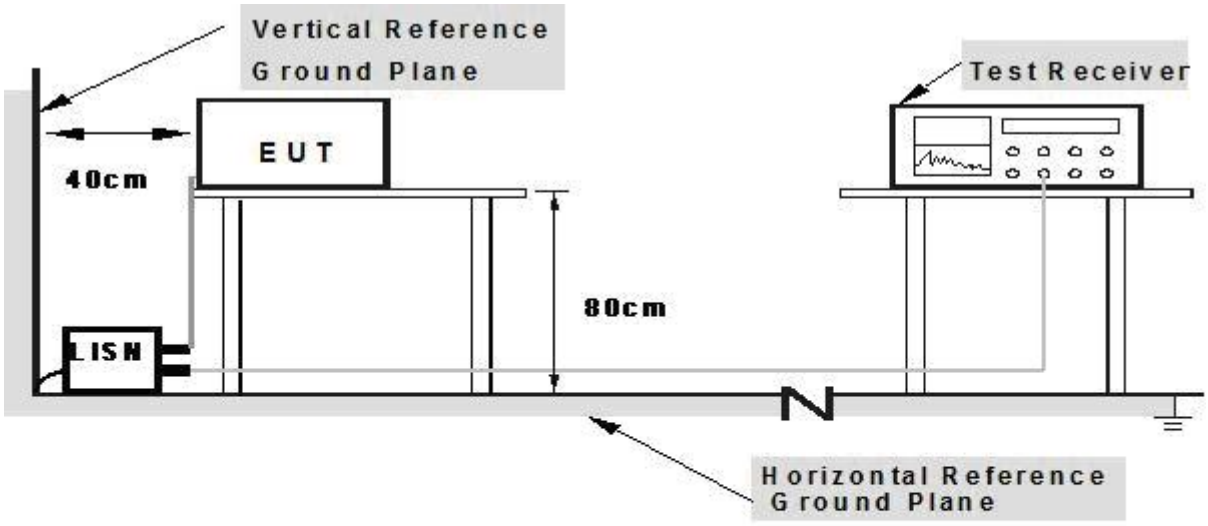
The following table is the setting of the receiver

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

3.1.2 TEST PROCEDURE

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

3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

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

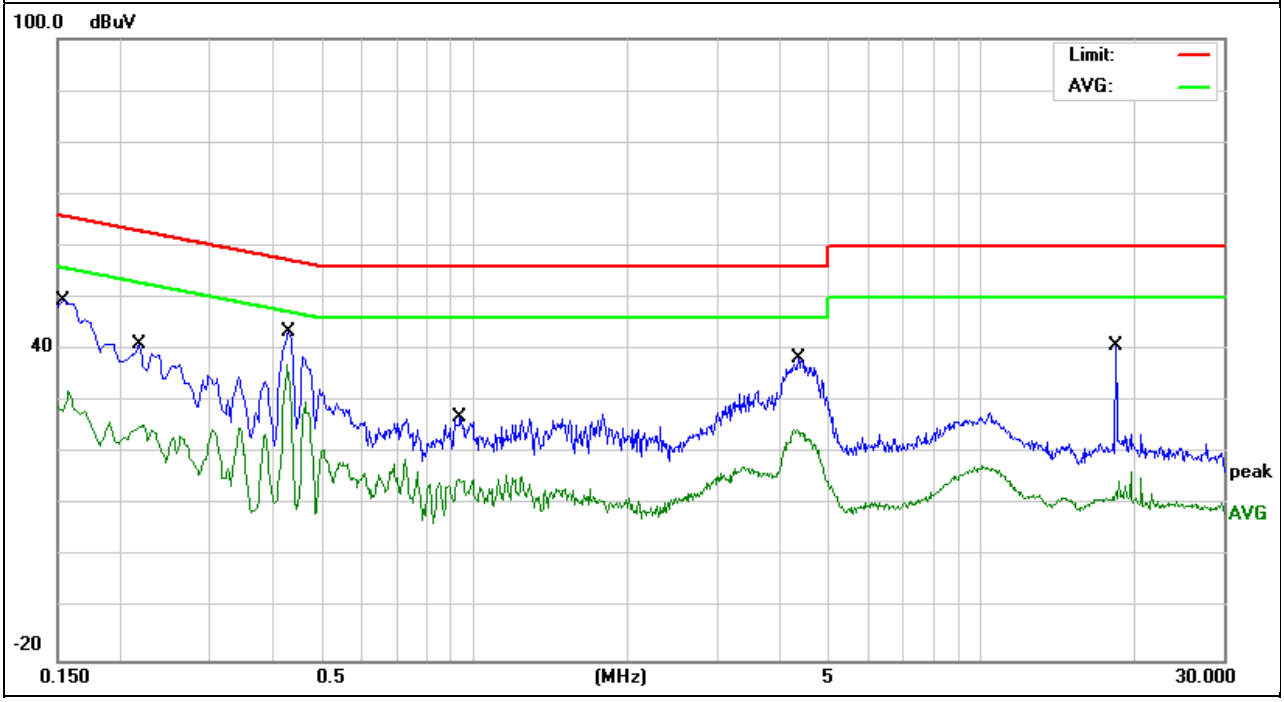
3.1.5 TEST RESULTS

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 12V from Adapter AC120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1539	39.73	9.70	49.43	65.78	-16.35	QP
0.1539	18.43	9.70	28.13	55.78	-27.65	AVG
0.2179	31.42	9.70	41.12	62.89	-21.77	QP
0.2179	15.43	9.70	25.13	52.89	-27.76	AVG
0.4299	33.71	9.71	43.42	57.25	-13.83	QP
0.4299	27.35	9.71	37.06	47.25	-10.19	AVG
0.9340	17.13	9.80	26.93	56.00	-29.07	QP
0.9340	5.10	9.80	14.90	46.00	-31.10	AVG
4.3459	28.26	9.96	38.22	56.00	-17.78	QP
4.3459	13.93	9.96	23.89	46.00	-22.11	AVG
18.4139	30.48	10.17	40.65	60.00	-19.35	QP
18.4139	1.06	10.17	11.23	50.00	-38.77	AVG

Remark:

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

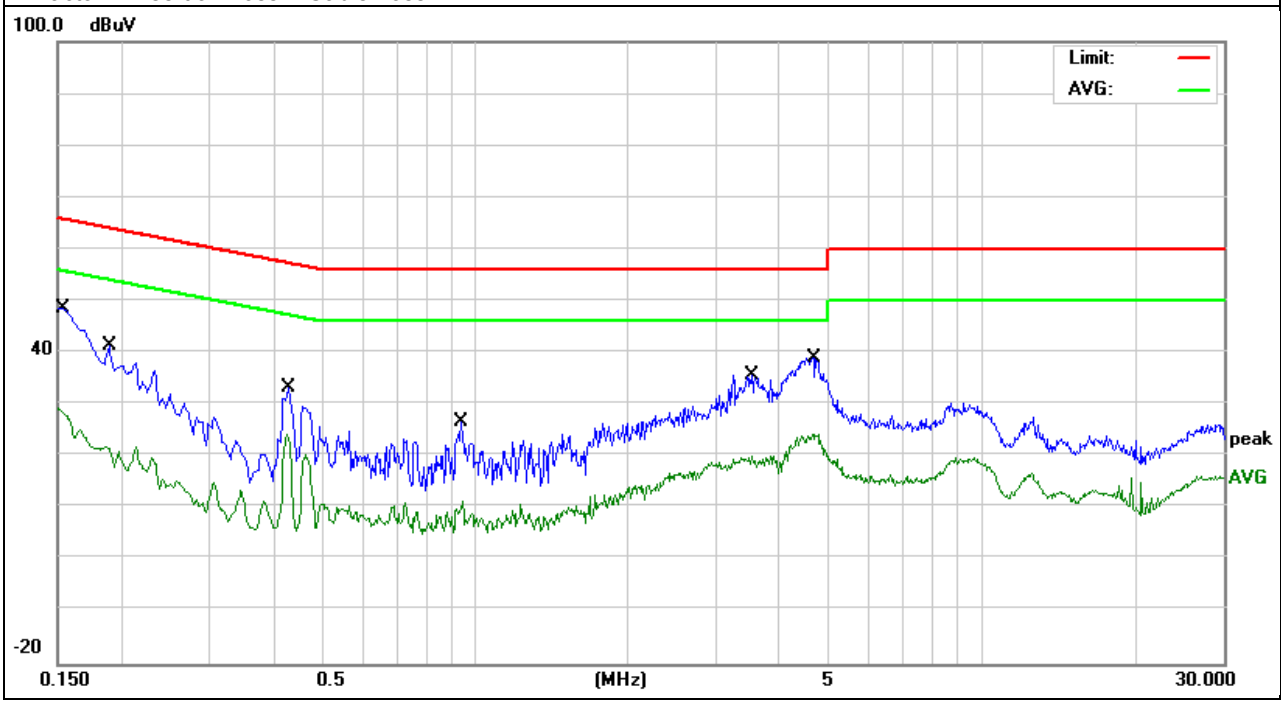


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 12V from Adapter AC120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	38.67	9.80	48.47	65.78	-17.31	QP
0.1539	18.97	9.80	28.77	55.78	-27.01	AVG
0.1900	31.53	9.80	41.33	64.03	-22.70	QP
0.1900	11.86	9.80	21.66	54.03	-32.37	AVG
0.4299	23.29	9.81	33.10	57.25	-24.15	QP
0.4299	13.45	9.81	23.26	47.25	-23.99	AVG
0.9416	16.79	9.82	26.61	56.00	-29.39	QP
0.9416	0.04	9.82	9.86	46.00	-36.14	AVG
3.5099	25.91	9.86	35.77	56.00	-20.23	QP
3.5099	9.10	9.86	18.96	46.00	-27.04	AVG
4.6497	29.12	9.87	38.99	56.00	-17.01	QP
4.6497	14.15	9.87	24.02	46.00	-21.98	AVG

Remark:

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

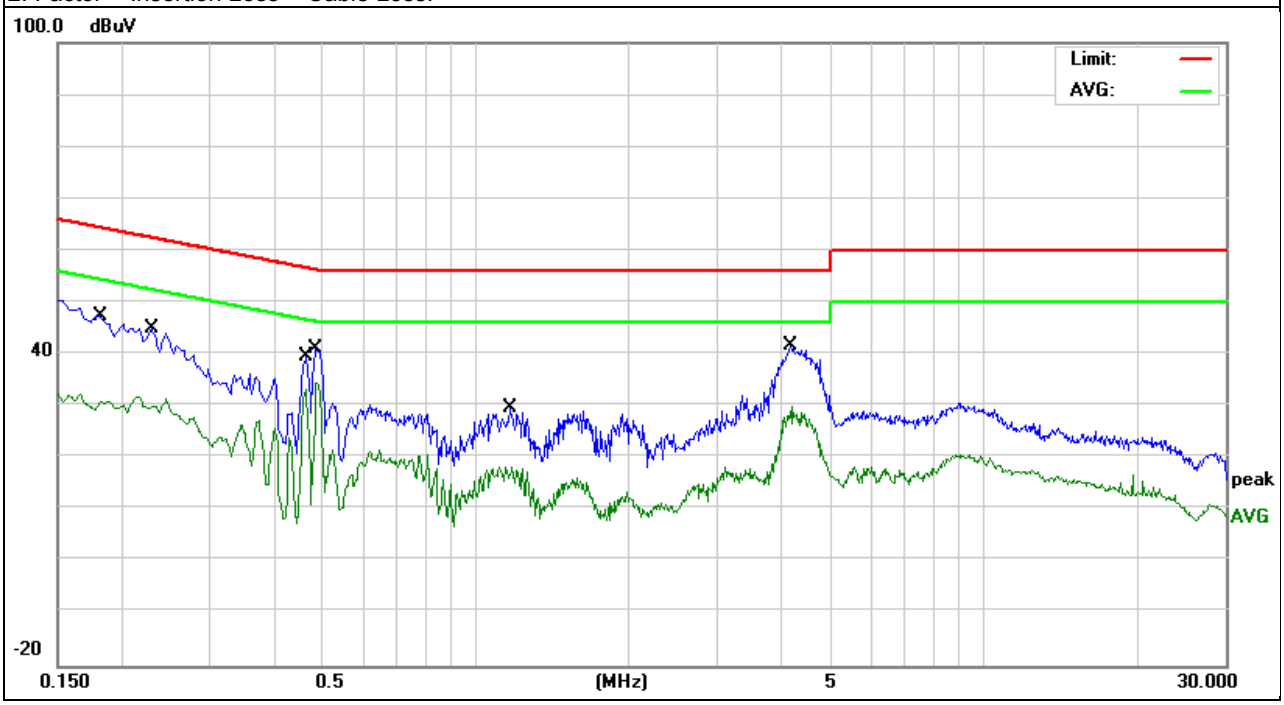


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 12V from Adapter AC240V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1819	37.54	9.70	47.24	64.39	-17.15	QP
0.1819	21.03	9.70	30.73	54.39	-23.66	AVG
0.2300	35.13	9.70	44.83	62.45 -17.62	-23.66	QP
0.2300	20.27	9.70	29.97	52.45	-22.48	AVG
0.4660	29.91	9.71	39.62	56.58	-16.96	QP
0.4660	20.32	9.71	30.03	46.58	-16.55	AVG
0.4858	31.40	9.71	41.11	56.24	-15.13	QP
0.4858	24.70	9.71	34.41	46.24	-11.83	AVG
1.1694	19.91	9.80	29.71	56.00	-26.29	QP
1.1694	7.01	9.80	16.81	46.00	-29.19	AVG
4.1577	31.79	9.96	41.75	56.00	-14.25	QP
4.1577	19.06	9.96	29.02	46.00	-16.98	AVG

Remark:

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

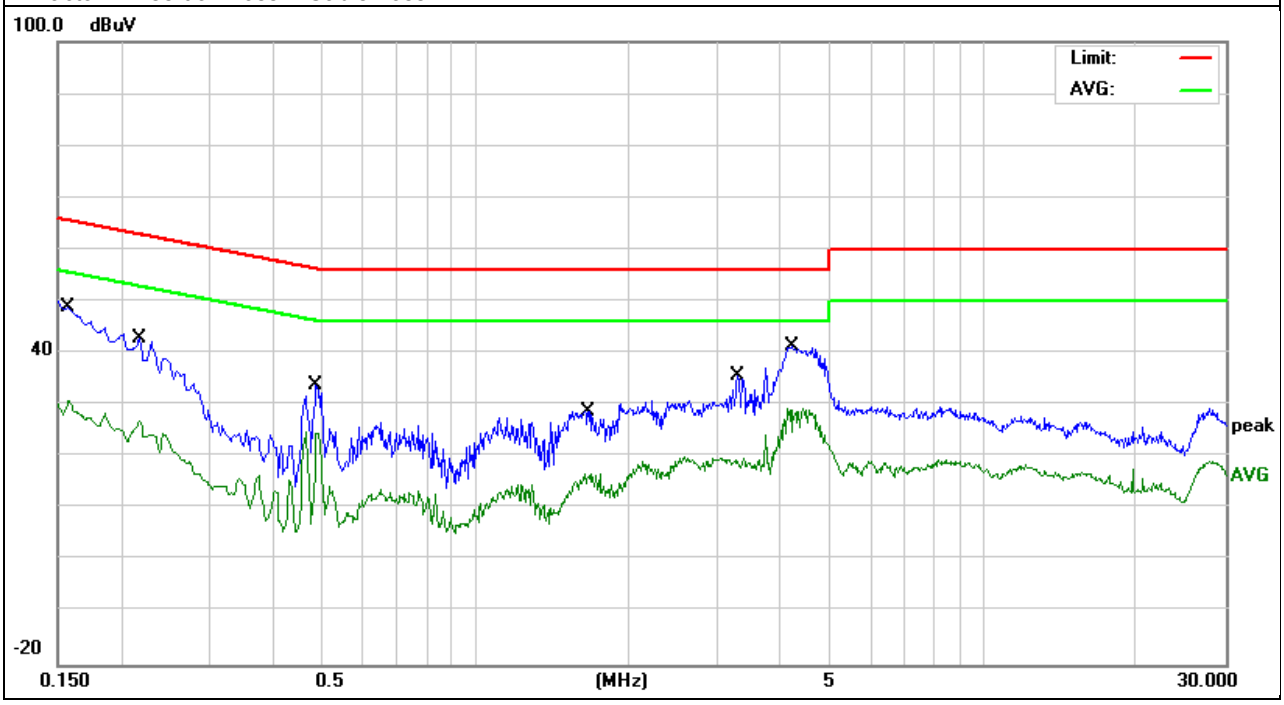


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 12V from Adapter AC240V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1580	38.70	9.80	48.50	65.56	-17.06	QP
0.1580	21.00	9.80	30.80	55.56	-24.76	AVG
0.2179	32.94	9.80	42.74	62.89	-20.15	QP
0.2179	17.21	9.80	27.01	52.89	-25.88	AVG
0.4858	24.15	9.81	33.96	56.24	-22.28	QP
0.4858	14.83	9.81	24.64	46.24	-21.60	AVG
1.6656	18.94	9.83	28.77	56.00	-27.23	QP
1.6656	6.31	9.83	16.14	46.00	-29.86	AVG
3.2780	25.75	9.85	35.60	56.00	-20.40	QP
3.2780	9.33	9.85	19.18	46.00	-26.82	AVG
4.1939	31.50	9.86	41.36	56.00	-14.64	QP
4.1939	19.06	9.86	28.92	46.00	-17.08	AVG

Remark:

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

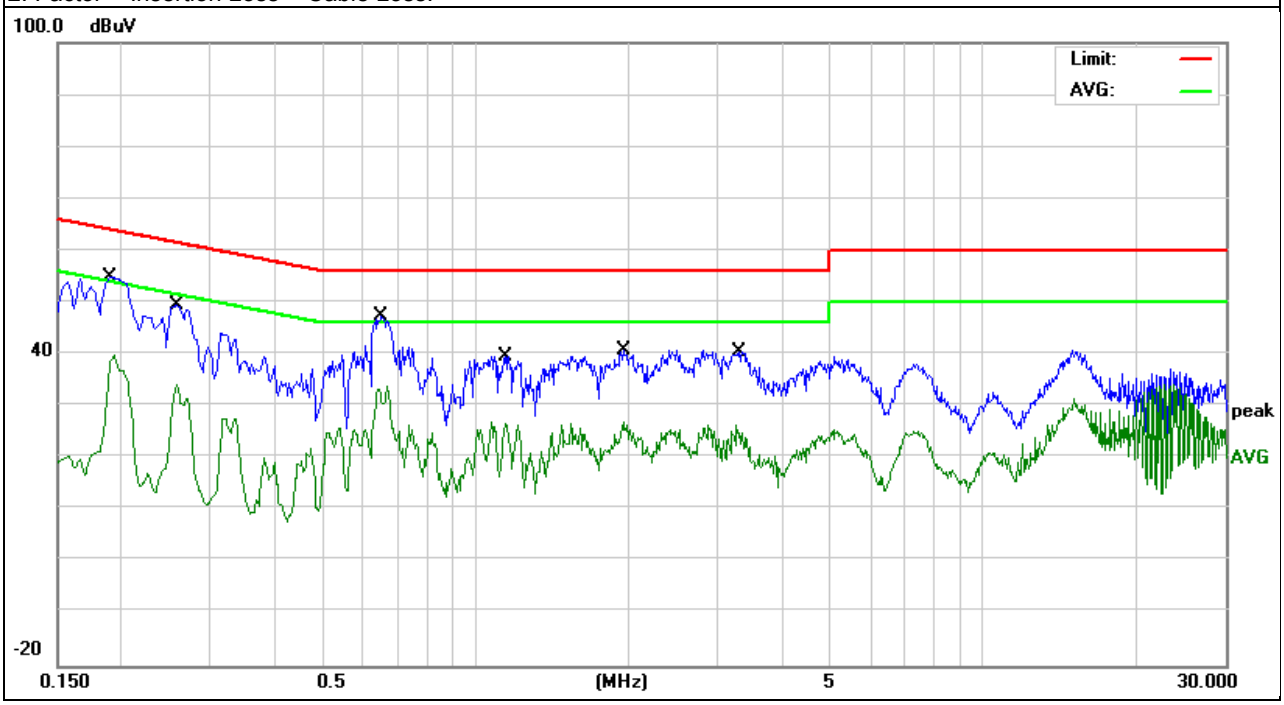


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 48V from POE AC120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1900	45.00	9.82	54.82	64.03	-9.21	QP
0.1900	28.85	9.82	38.67	54.03	-15.36	AVG
0.2580	39.52	9.82	49.34	61.49	-12.15	QP
0.2580	24.23	9.82	34.05	51.49	-17.44	AVG
0.6540	37.61	9.83	47.44	56.00	-8.56	QP
0.6540	20.88	9.83	30.71	46.00	-15.29	AVG
1.1420	29.68	9.92	39.60	56.00	-16.40	QP
1.1420	16.82	9.92	26.74	46.00	-19.26	AVG
1.9500	30.84	9.84	40.68	56.00	-15.32	QP
1.9500	15.50	9.84	25.34	46.00	-20.66	AVG
3.2940	30.48	10.05	40.53	56.00	-15.47	QP
3.2940	14.81	10.05	24.86	46.00	-21.14	AVG

Remark:

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

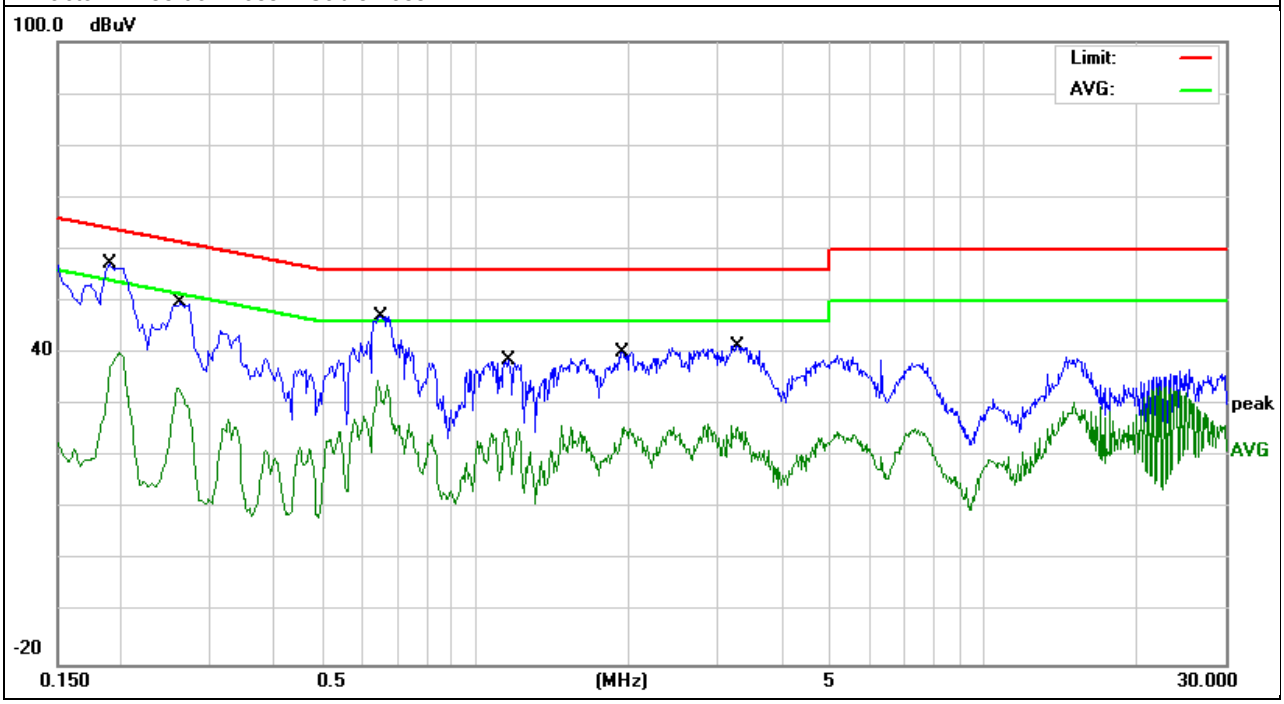


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 48V from POE AC120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1900	47.32	9.92	57.24	64.03	-6.79	QP
0.1900	23.64	9.92	33.56	54.03	-20.47	AVG
0.2620	39.83	9.92	49.75	61.36	-11.61	QP
0.2620	23.19	9.92	33.11	51.36	-18.25	AVG
0.6500	37.09	9.93	47.02	56.00	-8.98	QP
0.6500	20.80	9.93	30.73	46.00	-15.27	AVG
1.1620	28.81	9.93	38.74	56.00	-17.26	QP
1.1620	10.70	9.93	20.63	46.00	-25.37	AVG
1.9460	30.28	9.94	40.22	56.00	-15.78	QP
1.9460	14.52	9.94	24.46	46.00	-21.54	AVG
3.2900	31.42	9.95	41.37	56.00	-14.63	QP
3.2900	15.52	9.95	25.47	46.00	-20.53	AVG

Remark:

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

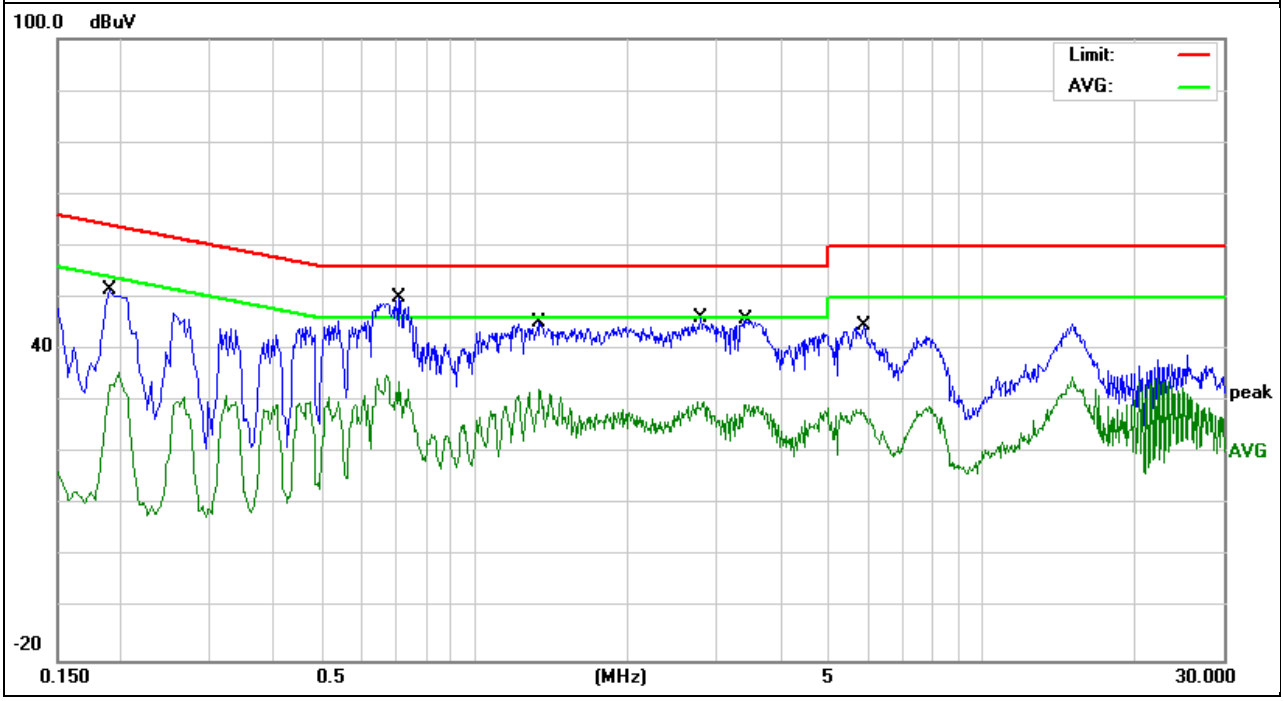


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 48V from POE AC240V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1900	41.64	9.82	51.46	64.03	-12.57	QP
0.1900	23.33	9.82	33.15	54.03	-20.88	AVG
0.7059	40.29	9.83	50.12	56.00	-5.88	QP
0.7059	19.87	9.83	29.70	46.00	-16.30	AVG
1.3420	35.26	9.90	45.16	56.00	-10.84	QP
1.3420	22.36	9.90	32.26	46.00	-13.74	AVG
2.7860	36.04	10.01	46.05	56.00	-9.95	QP
2.7860	18.53	10.01	28.54	46.00	-17.46	AVG
3.4180	35.80	10.05	45.85	56.00	-10.15	QP
3.4180	19.25	10.05	29.30	46.00	-16.70	AVG
5.8459	34.50	10.02	44.52	60.00	-15.48	QP
5.8459	17.84	10.02	27.86	50.00	-22.14	AVG

Remark:

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

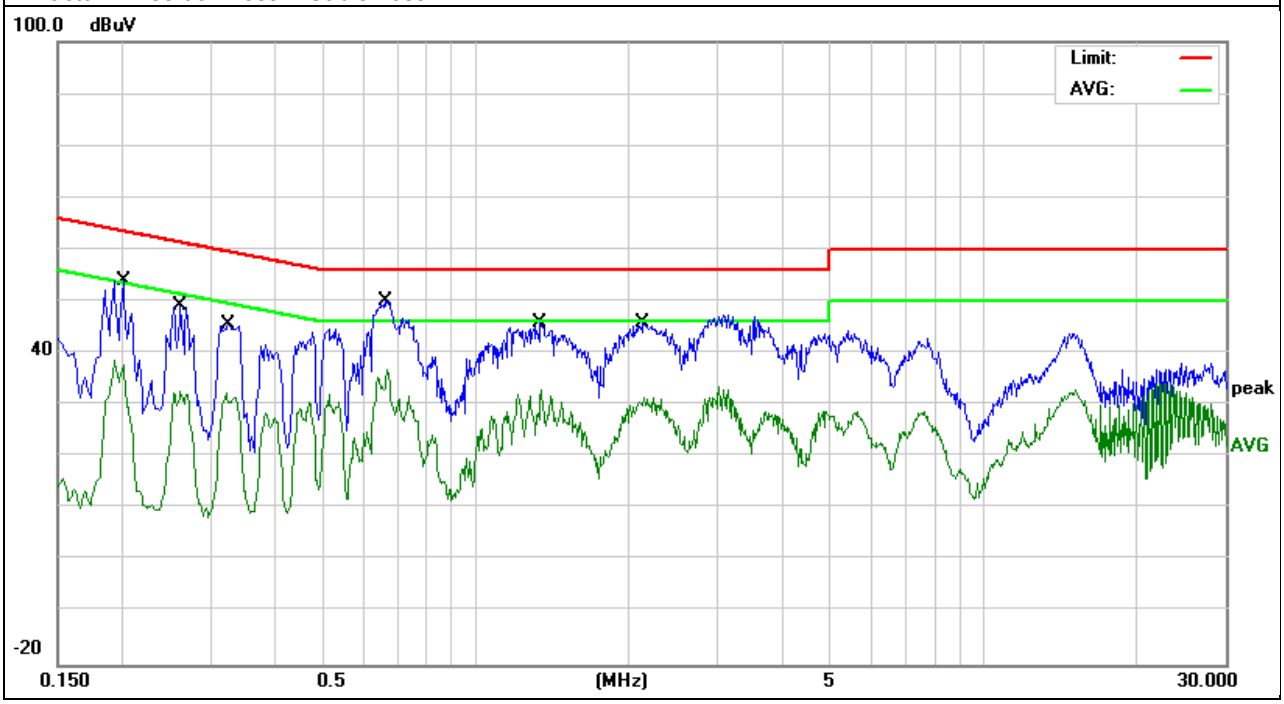


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name. :	ICI101T
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-6-14
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 48V from POE AC240V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.2020	44.06	9.92	53.98	63.52	-9.54	QP
0.2020	23.85	9.92	33.77	53.52	-19.75	AVG
0.2620	39.11	9.92	49.03	61.36	-12.33	QP
0.2620	22.83	9.92	32.75	51.36	-18.61	AVG
0.3260	35.63	9.92	45.55	59.55	-14.00	QP
0.3260	21.39	9.92	31.31	49.55	-18.24	AVG
0.6620	40.26	9.93	50.19	56.00	-5.81	QP
0.6620	22.95	9.93	32.88	46.00	-13.12	AVG
1.3420	35.83	9.93	45.76	56.00	-10.24	QP
1.3420	21.16	9.93	31.09	46.00	-14.91	AVG
2.1419	35.98	9.94	45.92	56.00	-10.08	QP
2.1419	21.37	9.94	31.31	46.00	-14.69	AVG

Remark:

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



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

Notes:

(1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

Test Arrangement for Radiated Emissions up to 1 GHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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

Test Arrangement for Radiated Emissions above 1 GHz.

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength.Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

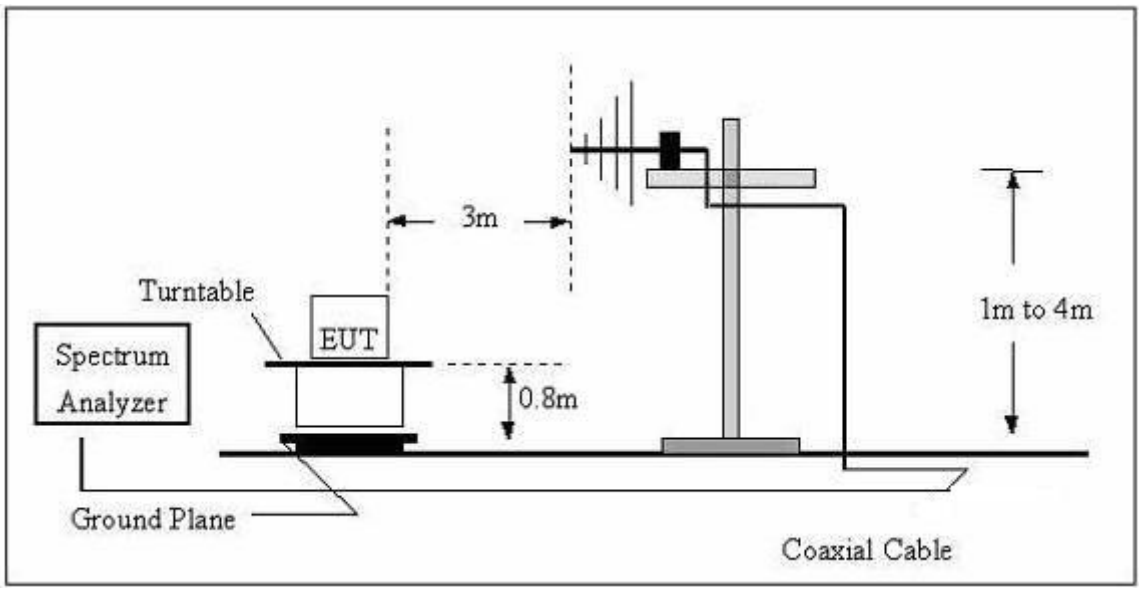
Note：For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

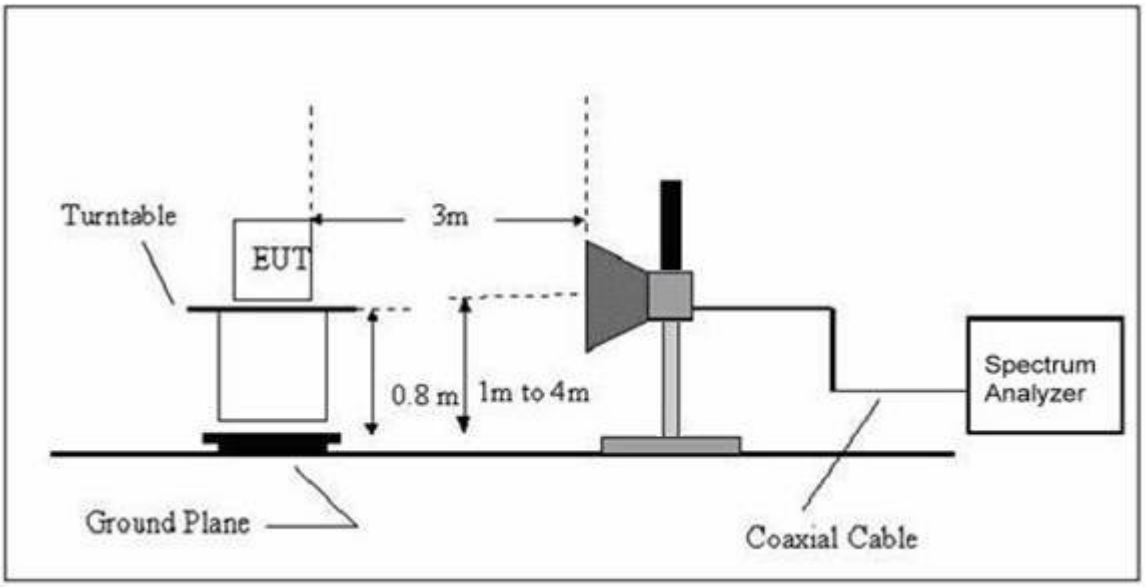
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Avg	1 MHz	10 Hz

3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



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



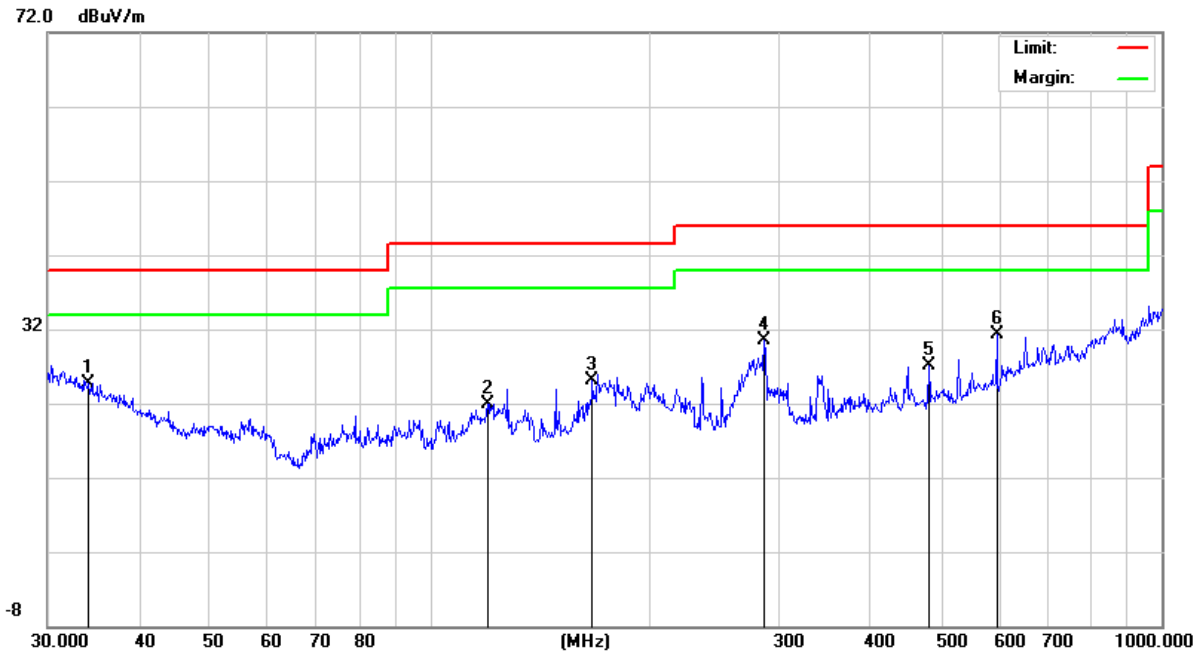
3.2.4 TEST RESULTS

TEST RESULTS (30~1000 MHz)

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name:	ICI101T
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-6-14
Test Mode :	Mode 1	Polarization :	Horizontal
Test Power :	DC 12V from Adapter AC120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	34.1561	5.37	19.30	24.67	40.00	-15.33	QP
H	119.8555	11.30	10.60	21.90	43.50	-21.60	QP
H	166.6511	12.62	12.53	25.15	43.50	-18.35	QP
H	285.9778	16.43	14.07	30.50	46.00	-15.50	QP
H	480.5276	10.22	16.92	27.14	46.00	-18.86	QP
H	595.1326	12.37	18.84	31.21	46.00	-14.79	QP

Remark:
Factor = Antenna Factor + Cable Loss - Amplifier.

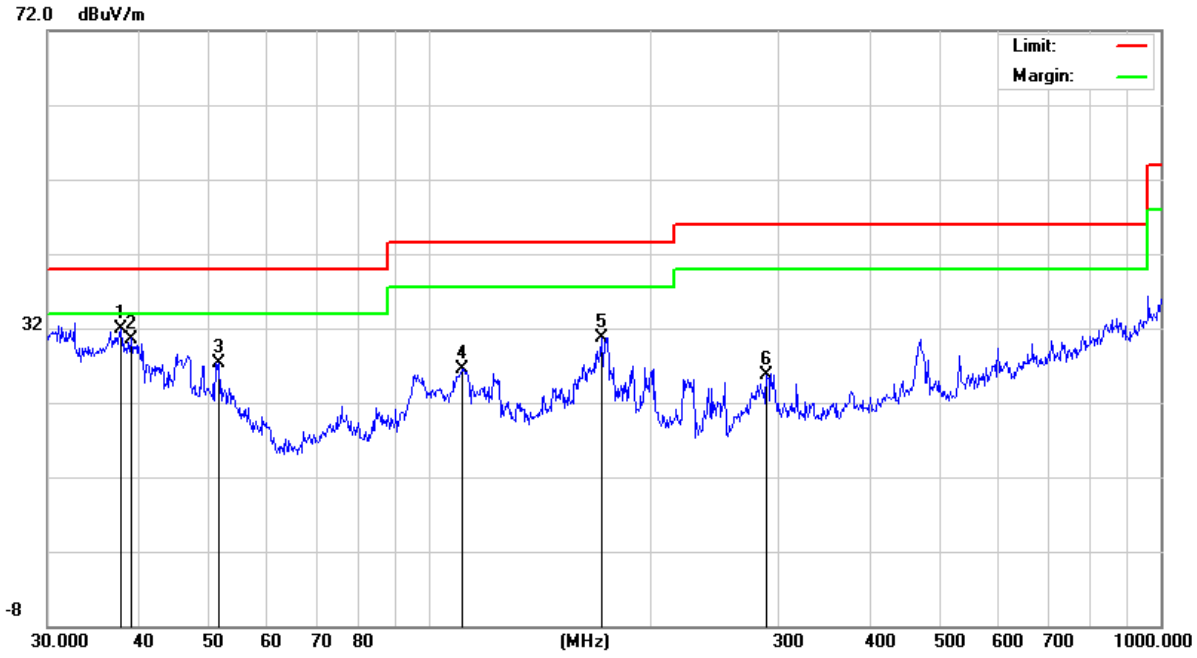


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name :	ICI101T
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-6-14
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	DC 12V from Adapter AC120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	37.8121	14.42	17.57	31.99	40.00	-8.01	QP
V	39.0245	13.75	16.85	30.60	40.00	-9.40	QP
V	51.4806	13.93	13.28	27.21	40.00	-12.79	QP
V	110.5687	16.39	10.19	26.58	43.50	-16.92	QP
V	171.9944	18.15	12.65	30.80	43.50	-12.70	QP
V	289.0020	11.57	14.04	25.61	46.00	-20.39	QP

Remark:

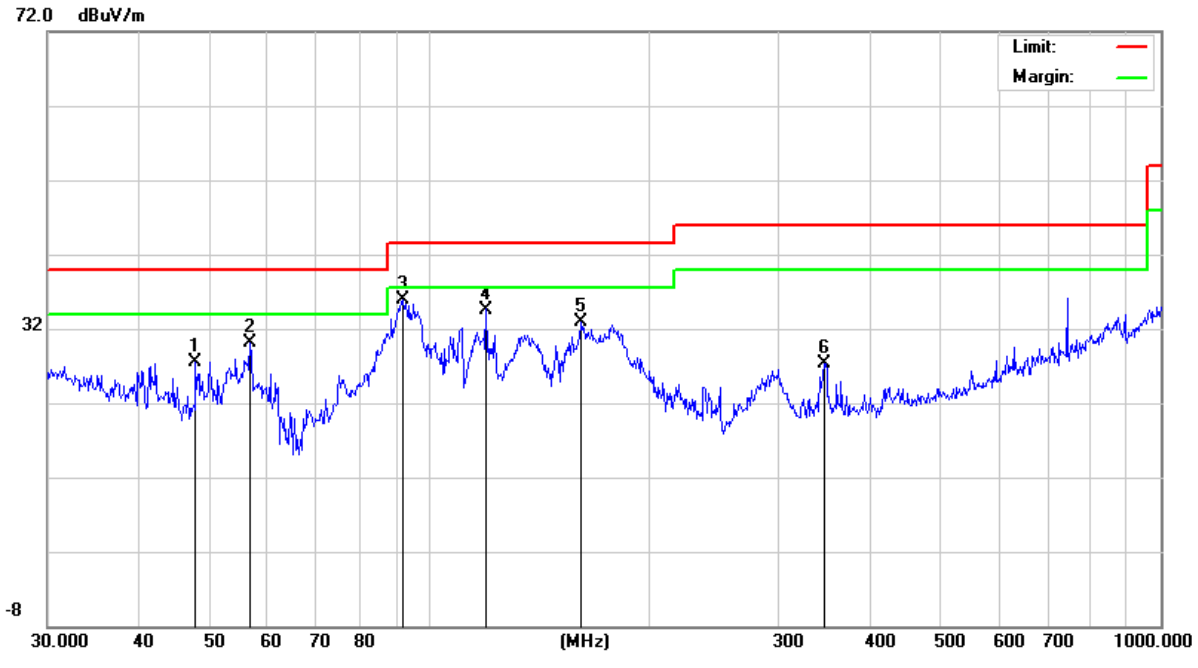
Factor = Antenna Factor + Cable Loss - Amplifier.



EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name:	ICI101T
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-6-14
Test Mode :	Mode 1	Polarization :	Horizontal
Test Power :	DC 48V from POE AC120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	47.8260	14.15	13.35	27.50	40.00	-12.50	QP
H	56.7916	18.21	11.99	30.20	40.00	-9.80	QP
H	91.8161	23.96	11.89	35.85	43.50	-7.65	QP
H	119.4360	24.05	10.55	34.60	43.50	-8.90	QP
H	160.9088	20.49	12.32	32.81	43.50	-10.69	QP
H	346.8091	12.97	14.33	27.30	46.00	-18.70	QP

Remark:
Factor = Antenna Factor + Cable Loss - Amplifier.

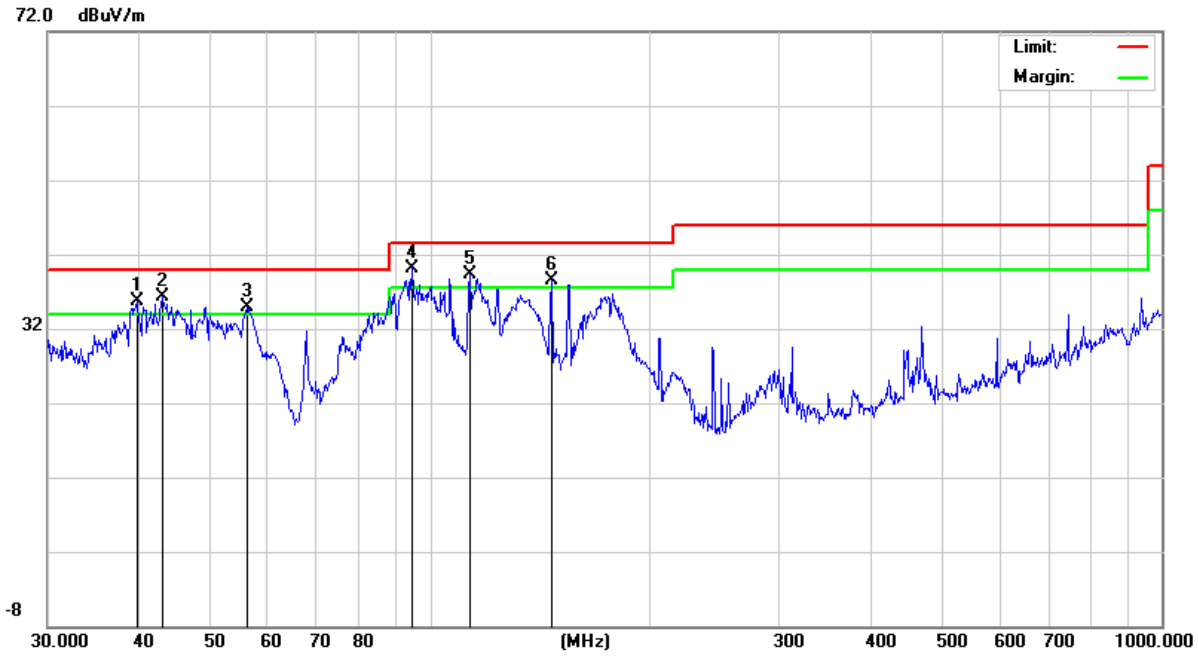


EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name :	ICI101T
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-6-14
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	DC 48V from POE AC120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	39.7146	19.17	16.44	35.61	40.00	-4.39	QP
V	43.0504	21.49	14.91	36.40	40.00	-3.60	QP
V	56.1974	22.68	12.15	34.83	40.00	-5.17	QP
V	94.4282	28.14	12.06	40.20	43.50	-3.30	QP
V	113.3161	29.29	10.11	39.40	43.50	-4.10	QP
V	146.8874	27.17	11.33	38.50	43.50	-5.00	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



3.2.5 TEST RESULTS(1000~6000MHz)

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name :	ICI101T
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-6-14
Test Mode :	Mode 1		
Test Power :	DC 12V from Adapter AC120V/60Hz		

All the modulation modes have been tested, and the worst result was report as below:

Polar (H/V)	Frequency	Reading	Correct	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m	dB/m	(dBuV/m	(dBuV/m	(dB)	
V	1559.49	64.27	-8.88	55.39	74.00	-18.61	Pk
V	1559.49	40.00	-8.88	31.12	54.00	-22.88	AV
V	1714.84	59.64	-8.39	51.25	74.00	-22.75	Pk
V	1714.84	37.14	-8.39	28.75	54.00	-25.25	AV
H	1556.69	65.57	-8.86	56.71	74.00	-17.29	Pk
H	1556.69	40.95	-8.86	32.09	54.00	-21.91	AV
H	2972.46	49.35	-5.09	44.26	74.00	-29.74	Pk
H	2972.46	30.58	-5.09	25.49	54.00	-28.51	AV

EUT:	DIGITAL ADVERTISEMENT SCREEN	Model Name :	ICI101T
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-6-14
Test Mode :	Mode 1		
Test Power :	DC 48V from POE AC120V/60Hz		

All the modulation modes have been tested, and the worst result was report as below:

Polar (H/V)	Frequency	Reading	Correct	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m	dB/m	(dBuV/m	(dBuV/m	(dB)	
V	1332.00	63.63	-10.09	53.34	74.00	-20.66	Pk
V	1332.00	37.56	-10.09	27.27	54.00	-26.73	AV
V	1553.91	62.07	-8.82	53.25	74.00	-20.75	Pk
V	1553.91	40.24	-8.82	31.42	54.00	-22.58	AV
H	1559.49	69.51	-8.88	60.63	74.00	-13.37	Pk
H	1559.49	41.10	-8.88	32.22	54.00	-21.78	AV
H	1714.84	59.48	-8.39	51.09	74.00	-22.91	Pk
H	1714.84	38.25	-8.39	29.86	54.00	-24.14	AV

Remark:Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit
Note: Only the worst results data points are reported in the report.