

# ETSI EN 300 440 RADIO TEST REPORT

## For

i3-Technologies NV

Interactive Flat Panel Display

Model Number: A4-75

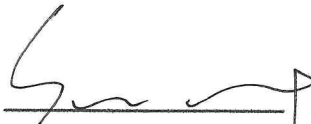
Addition Model: A4-NT-75

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| Applicant:               | i3-Technologies NV                                                  |
| Address:                 | Kleine Schaluinweg 7, 3290 Diest, Belgium                           |
|                          |                                                                     |
| Prepared By:             | EST Technology Co., Ltd.                                            |
|                          | Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China |
| Tel: 86-769-83081888-808 |                                                                     |

|                 |                              |
|-----------------|------------------------------|
| Report Number:  | ESTE-R2507221                |
| Date of Test:   | Jun. 20, 2025~ Aug. 28, 2025 |
| Date of Report: | Aug. 29, 2025                |

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|                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Applicant:<br/>Address:</b>                                                                                                                                                                    | i3-Technologies NV<br>Kleine Schaluinweg 7, 3290 Diest, Belgium                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |
| <b>Manufacturer:<br/>Address:</b>                                                                                                                                                                 | i3-Technologies NV<br>Kleine Schaluinweg 7, 3290 Diest, Belgium                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |
| <b>E.U.T:</b>                                                                                                                                                                                     | Interactive Flat Panel Display                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                             |                                                                                                              |
| <b>Model Number:</b>                                                                                                                                                                              | A4-75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                             |                                                                                                              |
| <b>Addition Model:</b>                                                                                                                                                                            | A4-NT-75<br>Note: They are identical except model name.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                             |                                                                                                              |
| <b>Power Supply:</b>                                                                                                                                                                              | 100-240V~, 50/60Hz, 7.5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                             |                                                                                                              |
| <b>Trade Name:</b>                                                                                                                                                                                | i3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Serial No.:</b>                                                                                          | -----                                                                                                        |
| <b>Date of Receipt:</b>                                                                                                                                                                           | Jun. 20, 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Date of Test:</b>                                                                                        | Jun. 20, 2025 ~<br>Aug. 28, 2025                                                                             |
| <b>Test Specification:</b>                                                                                                                                                                        | ETSI EN 300 440 V2.1.1: 2017-03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |
| <b>Test Result:</b>                                                                                                                                                                               | <p>The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the ETSI EN 300 440 requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p> |                                                                                                             |                                                                                                              |
| <b>Prepared by:</b>                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Reviewed by:</b>                                                                                         | <b>Date:</b> Aug. 29, 2025                                                                                   |
| <br>Zephyr Zhu/ Assistant                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <br>Seven Wang/ Engineer | <br>Iceman Hu / Manager |
| <b>Other Aspects:</b> N/A                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |
| Abbreviations: OK/P=passed    fail/F=failed    n.a/N=not applicable    E.U.T=equipment under tested                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |
| This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                             |                                                                                                              |

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

|                          |   |                                |
|--------------------------|---|--------------------------------|
| Product Name             | : | Interactive Flat Panel Display |
| Model Number             | : | A4-75                          |
| Module Model Number      | : | WCT2GM2511; WXT52M2511         |
| Software Version         | : | N/A                            |
| Hardware Version         | : | N/A                            |
| Operation Frequency Band | : | 5725MHz to 5850MHz             |
| Type of Modulation       | : | OFDM, OFDMA                    |
| Operating Voltage        | : | 207-253V                       |
| Operating Temperature    | : | 0°C~+45°C                      |
| Sample Type              | : | Prototype production           |

Module Model Number: WCT2GM2511

## 1.2. Antenna Information

| Ant No. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|---------|-------|------------|--------------|-----------|------------|
| 1       | -     | -          | Internal     | -         | 4          |
| 2       | -     | -          | Internal     | -         | 4          |

Note:

1. The EUT support smart antenna systems(multiple antennas without beamforming).
2. The EUT support 2TX2RX, the antennas can support SISO function in IEEE 802.11a, and can support MIMO function in IEEE 802.11n, IEEE 802.11ac.
3. After pre-test all antenna configurations, the worst case configuration as list below.
4. The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.
5. The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.
6. The test results of this report only apply to the sample as received.

| TX Mode \ ANT No.   | SISO Configuration | MIMO Configuration |
|---------------------|--------------------|--------------------|
| IEEE 802.11a        | Ant 1 and Ant 2    | /                  |
| IEEE 802.11n HT20   | /                  | Ant 1+Ant 2        |
| IEEE 802.11n HT40   | /                  | Ant 1+Ant 2        |
| IEEE 802.11ac VHT20 | /                  | Ant 1+Ant 2        |
| IEEE 802.11ac VHT40 | /                  | Ant 1+Ant 2        |
| IEEE 802.11ac VHT80 | /                  | Ant 1+Ant 2        |

Module Model Number: WXT52M2511

### 1.3. Antenna Information

| Ant No. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|---------|-------|------------|--------------|-----------|------------|
| 1       | -     | -          | Internal     | -         | 3.93       |
| 2       | -     | -          | Internal     | -         | 3.87       |

Note:

7. The EUT support smart antenna systems(multiple antennas without beamforming).
8. The EUT support 2TX2RX, the antennas can support SISO function in IEEE 802.11a, and can support MIMO function in IEEE 802.11n, IEEE 802.11ac and IEEE 802.11ax.
9. After pre-test all antenna configurations, the worst case configuration as list below.
10. The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.
11. The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.
12. The test results of this report only apply to the sample as received.

| TX Mode \ ANT No.   | SISO Configuration | MIMO Configuration |
|---------------------|--------------------|--------------------|
| IEEE 802.11a        | Ant 1 and Ant 2    | /                  |
| IEEE 802.11n HT20   | /                  | Ant 1+Ant 2        |
| IEEE 802.11n HT40   | /                  | Ant 1+Ant 2        |
| IEEE 802.11ac VHT20 | /                  | Ant 1+Ant 2        |
| IEEE 802.11ac VHT40 | /                  | Ant 1+Ant 2        |
| IEEE 802.11ac VHT80 | /                  | Ant 1+Ant 2        |
| IEEE 802.11ax HE20  | /                  | Ant 1+Ant 2        |
| IEEE 802.11ax HE40  | /                  | Ant 1+Ant 2        |
| IEEE 802.11ax HE80  | /                  | Ant 1+Ant 2        |

### 1.4. Information of RF Cable

| Cable Loss(dB) | Provided by        |
|----------------|--------------------|
| 1.0            | i3-Technologies NV |

Note:

1. The customer declared the loss value of the RF Cable. and the test results of this report only apply to the sample as received.
2. The laboratory is not responsible for the accuracy of the cable loss.

## 2.SUMMARY OF TEST

### 2.1.Summary of test result

| Harmonized Standard ETSI EN300 440                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |           |                                                                                                                                                                  |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| The following essential requirements and test specifications are relevant to the presumption of conformity under Article 3.2 of the Radio Equipment Directive 2014/53/EU                                                                                                                                                                                                                                                                 |                                            |           |                                                                                                                                                                  |         |
| No                                                                                                                                                                                                                                                                                                                                                                                                                                       | Test Parameter                             | Clause No | Condition                                                                                                                                                        | Results |
| Transmitter Parameters                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |           |                                                                                                                                                                  |         |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                        | e.i.r.p.                                   | 4.2.2.2   | Applies to all devices with transmitters                                                                                                                         | N/A     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                        | Permitted range of operating frequencies   | 4.2.3     | Applies to all devices with transmitters                                                                                                                         | N/A     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unwanted emissions in the spurious domain  | 4.2.4     | Applies to all devices with transmitters                                                                                                                         | PASS    |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                        | Duty Cycle                                 | 4.2.5.4   | Transmitting devices which do not use LBT, DAA, or RFID transmitters operating in the 2 446 to 2 454 MHz band transmitting more than 500 mW e.i.r.p. power level | N/A     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                        | Additional requirements for FHSS equipment | 4.2.6     | Equipment utilizing FHSS modulation                                                                                                                              | N/A     |
| Receiver Parameters                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |           |                                                                                                                                                                  |         |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                        | Adjacent channel selectivity               | 4.3.3     | Applies to equipment Category 1 receivers                                                                                                                        | N/A     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                        | Blocking or desensitization                | 4.3.4     | Applies to category 1 and 2 receivers                                                                                                                            | N/A     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                        | Spurious radiation                         | 4.3.5     | Applies to all receivers, except receivers used in combination with permanently co-located transmitters continuously transmitting                                | PASS    |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                        | Spectrum access techniques                 | 4.4       | Equipment which are not using duty cycle restrictions for media access                                                                                           | N/A     |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                       | GBSAR antenna pattern                      | 4.6.4     | Applies only GBSAR systems                                                                                                                                       | N/A     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                       | Limits for GBSAR                           | Annex F   | Applies only GBSAR systems                                                                                                                                       | N/A     |
| <p>Note: 1.N/A is an abbreviation for Not Applicable and means this test item is not applicable for this device according to the technology characteristic of device.</p> <p>2. The wireless module WCT2GM2511, WXT52M2511 included in the device passed the RED certification, when applied to the host, Re-test RSE of 5G Wi-Fi function, all other test data refer to module test report 4790119556.2-10 &amp; 4791023025-1-RF-5.</p> |                                            |           |                                                                                                                                                                  |         |

## 2.2. Test Facilities

EMC Lab : Accredited by CNAS, CHINA  
Registration No.: L5288  
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA  
Designation Number: CN1215  
This Recognition is valid until: January 31, 2026

Accredited by A2LA, USA  
Registration No.: 4366.01  
This Accreditation is valid until: January 31, 2026

Recognized by Industry Canada  
CAB identifier No.: CN0035  
This Recognition is valid until: January 31, 2026

Recognized by VCCI, Japan  
Registration No.: C-14103; T-20073; R-13663;  
R-20103; G-20097  
Date of registration: Apr. 20, 2020  
This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany  
Registration No.: UA 50413872 0001  
Date of registration: July 31, 2018

Recognized by Intertek  
Registration No.: 2011-RTL-L2-64  
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,  
Guangdong, China



## 2.3.Measurement uncertainty

| Test Item                                                  | Uncertainty                       |
|------------------------------------------------------------|-----------------------------------|
| Uncertainty for Conduction emission test                   | $\pm 3.48\text{dB}$               |
| Uncertainty for spurious emissions test<br>(30MHz-1GHz)    | $\pm 4.60\text{ dB(Polarize: H)}$ |
|                                                            | $\pm 4.68\text{ dB(Polarize: V)}$ |
| Uncertainty for spurious emissions test<br>(1GHz to 18GHz) | $\pm 4.96\text{dB}$               |
| Uncertainty for radio frequency                            | $7 \times 10^{-8}$                |
| Uncertainty for conducted RF Power                         | $1.08\text{dB}$                   |
| Uncertainty for Power density test                         | $0.26\text{dB}$                   |

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

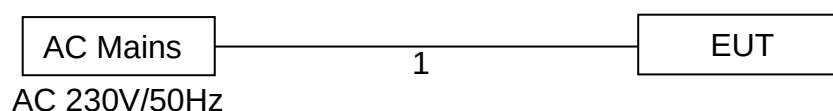
## 2.4.Assistant equipment used for test

| Item | Equipment | Brand | Model Name/Type No. | FCC ID | Series No. |
|------|-----------|-------|---------------------|--------|------------|
|      | -         | -     | -                   | -      | -          |

| Item | Shielded Type | Ferrite Core | Length | Note     |
|------|---------------|--------------|--------|----------|
| 1    | NO            | NO           | 1.5m   | AC Cable |

## 2.5.Block Diagram

For radiated emissions test: EUT was placed on a turntable, which is 1.5 meters high above ground.



(EUT: Interactive Flat Panel Display)

## 2.6. Test Mode

| Test Item                                 | Test Mode           | Modulation | Date Rate | Test Channel |
|-------------------------------------------|---------------------|------------|-----------|--------------|
| Unwanted emissions in the spurious domain | IEEE 802.11a        | OFDM       | 6Mbps     | 149/157/165  |
|                                           | IEEE 802.11n HT20   | OFDM       | MCS0      | 149/157/165  |
|                                           | IEEE 802.11n HT40   | OFDM       | MCS0      | 151/159      |
|                                           | IEEE 802.11ac VHT20 | OFDM       | MCS0      | 149/157/165  |
|                                           | IEEE 802.11ac VHT40 | OFDM       | MCS0      | 151/159      |
|                                           | IEEE 802.11ac VHT80 | OFDM       | MCS0      | 155          |
|                                           | IEEE 802.11ax HE20  | OFDMA      | MCS0      | 149/157/165  |
|                                           | IEEE 802.11ax HE40  | OFDMA      | MCS0      | 151/159      |
|                                           | IEEE 802.11ax HE80  | OFDMA      | MCS0      | 155          |
| Spurious radiations                       | Recevie Mode        | -          | -         | -            |

Note:

1. In radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane**.
2. Where the equipment has an external connection for general data modulation, the normal test signals are specified as follows:

D-M2: A test signal representing a pseudo-random bit sequence of at least 511 bits in accordance with Recommendation ITU-T O.153 [5]. This sequence shall be continuously repeated. If the sequence cannot be continuously repeated, the actual method used shall be stated in the test report.

D-M3: A test signal shall be agreed between the test laboratory and the manufacturer in case selective messages are used and are generated or decoded within the equipment.

The agreed test signal may be formatted and may contain error detection and correction.

## 2.7. Test Conditions

| Test Conditions   | Normal test conditions | Extreme test conditions |
|-------------------|------------------------|-------------------------|
| Temperature       | 22.3°C                 | 0°C to +45°C            |
| Relative Humidity | 52%                    | N/A                     |
| Voltage           | 230V/50Hz              | 207V/50Hz to 253V/50Hz  |

## 2.8. Channel List

| Band    | Mode                                       | Channel | Frequency (MHz) |
|---------|--------------------------------------------|---------|-----------------|
| U-NII-3 | IEEE 802.11a & n HT20 & ac VHT20 & ax HE20 | 149     | 5745            |
|         |                                            | 153     | 5765            |
|         |                                            | 157     | 5785            |
|         |                                            | 161     | 5805            |
|         |                                            | 165     | 5825            |
|         | IEEE 802.11n HT 40 & ac VHT40 & ax HE40    | 151     | 5755            |
|         |                                            | 159     | 5795            |
|         | IEEE 802.11ac VHT80 & ax HE80              | 155     | 5775            |

## 2.9. Test Equipment List

| For Radiated Emissions Test (30MHz-1000MHz) |                 |              |            |                  |            |            |
|---------------------------------------------|-----------------|--------------|------------|------------------|------------|------------|
| Equipment                                   | Manufacturer    | Model No.    | Serial No. | Calibration Body | Last Cal.  | Next Cal.  |
| EMI Test Receiver                           | Rohde & Schwarz | ESR7         | EST-E047   | LISAI            | June 11,25 | June 10,26 |
| Bilog Antenna                               | Teseq           | CBL 6111D    | EST-E034   | LISAI            | June 11,25 | June 10,26 |
| Test Software                               | Audix           | e3-6.111221a | N/A        | N/A              | N/A        | N/A        |
| 30-1000MHz Cable                            | N/A             | EST-002      | N/A        | N/A              | N/A        | N/A        |

| For Radiated Emission Test(Above 1000MHz) |                |                  |            |                  |            |            |
|-------------------------------------------|----------------|------------------|------------|------------------|------------|------------|
| Equipment                                 | Manufacturer   | Model No.        | Serial No. | Calibration Body | Last Cal.  | Next Cal.  |
| Horn Antenna                              | SCHWARZBECK    | BBHA9120D        | EST-E144   | LISAI            | June 11,25 | June 10,26 |
| Horn Antenna                              | Com-Power      | AHA-840          | EST-E133   | LISAI            | June 11,25 | June 10,26 |
| Low Noise Amplifier                       | RF             | TRLA-010180 G45N | EST-E142   | LISAI            | June 11,25 | June 10,26 |
| Spectrum Analyzer                         | Rohde &Schwarz | FSV40            | EST-E069   | LISAI            | June 11,25 | June 10,26 |
| Test Software                             | Audix          | e3-6.111221a     | N/A        | N/A              | N/A        | N/A        |
| Above 1GHz Cable                          | N/A            | EST-003          | N/A        | N/A              | N/A        | N/A        |

### 3.UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN

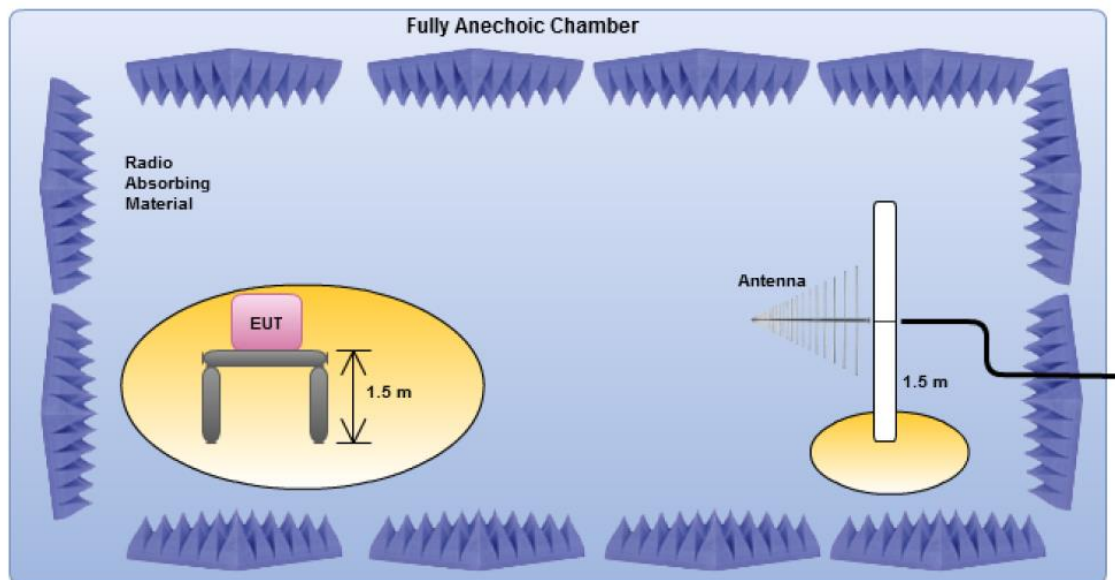
#### 3.1.Applicability

Apply to all transmitters.

#### 3.2.Limit

| Frequency ranges | 47 MHz to 74 MHz<br>87,5 MHz to 108 MHz<br>174 MHz to 230 MHz<br>470 MHz to 862 MHz | Other frequencies<br>≤1 000 MHz | Frequencies<br>> 1 000 MHz |
|------------------|-------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| State            |                                                                                     |                                 |                            |
| Operating        | 4 nW                                                                                | 250 nW                          | 1 $\mu$ W                  |
| Standby          | 2 nW                                                                                | 2 nW                            | 20 nW                      |

#### 3.3.Test Setup



#### 3.4.Test Procedure

- EUT was placed on a turn table, which is 1.5 meter high above ground.
- Test Antenna is set 3 meters away from the EUT, which is connected to a spectrum analyzer.
- Set the EUT to transmit continuously with maximum output power.
- The measurement procedure refers to section 4.2.3.3 of ETSI EN300 440 V2.1.1.
- Repeat step a to step d until all modes and channels were measured.
- Record the results in the test report.

### 3.5. Test Result

25MHz-1000MHz

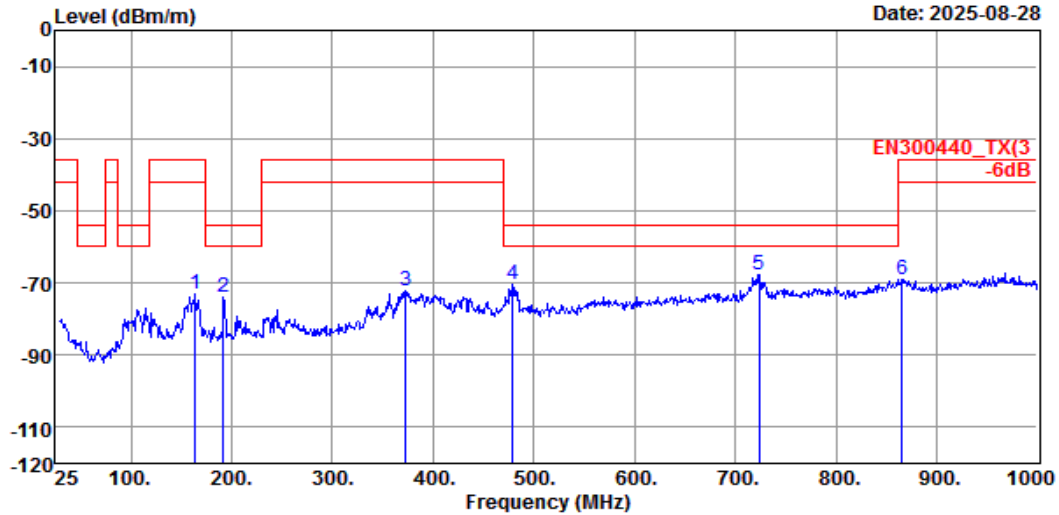
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Houjie, Dongguan, Guangdong, China  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 123

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 123  
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
Limit : EN300440\_TX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : TX Mode  
WXT52M2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------|-----------------|----------------|------|
| 1 | 163.86         | 10.73                    | 1.89                  | -95.36           | 9.70                         | -73.04         | -36.00          | 37.04          | erp  |
| 2 | 191.99         | 9.28                     | 2.06                  | -94.94           | 9.70                         | -73.90         | -54.00          | 19.90          | erp  |
| 3 | 372.41         | 14.88                    | 2.99                  | -99.76           | 9.70                         | -72.19         | -36.00          | 36.19          | erp  |
| 4 | 479.11         | 17.75                    | 3.47                  | -101.34          | 9.70                         | -70.42         | -54.00          | 16.42          | erp  |
| 5 | 723.55         | 21.05                    | 4.37                  | -102.84          | 9.70                         | -67.72         | -54.00          | 13.72          | erp  |
| 6 | 865.17         | 22.90                    | 4.86                  | -106.44          | 9.70                         | -68.98         | -36.00          | 32.98          | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

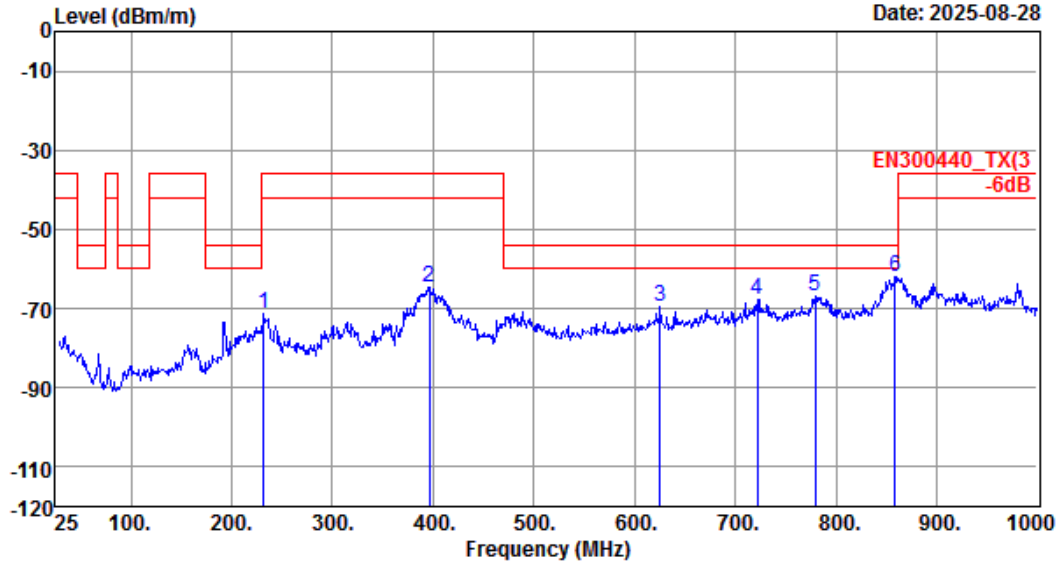
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Fax: +86-769-83081878

Data: 124

File: \\EMC-966-1\test data\2025\RF\TTC\王牌A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 124  
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
Limit : EN300440\_TX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : TX Mode  
WXT52M2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Emission<br>Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------------------|-----------------|----------------|------|
| 1 | 231.76         | 10.46                    | 2.28                  | -93.69           | 9.70                         | -71.25                     | -36.00          | 35.25          | erp  |
| 2 | 396.66         | 15.79                    | 3.10                  | -93.23           | 9.70                         | -64.64                     | -36.00          | 28.64          | erp  |
| 3 | 625.58         | 20.22                    | 4.03                  | -103.35          | 9.70                         | -69.40                     | -54.00          | 15.40          | erp  |
| 4 | 721.61         | 20.95                    | 4.36                  | -102.80          | 9.70                         | -67.79                     | -54.00          | 13.79          | erp  |
| 5 | 779.81         | 22.00                    | 4.57                  | -103.34          | 9.70                         | -67.07                     | -54.00          | 13.07          | erp  |
| 6 | 858.38         | 22.90                    | 4.84                  | -99.37           | 9.70                         | -61.93                     | -54.00          | 7.93           | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

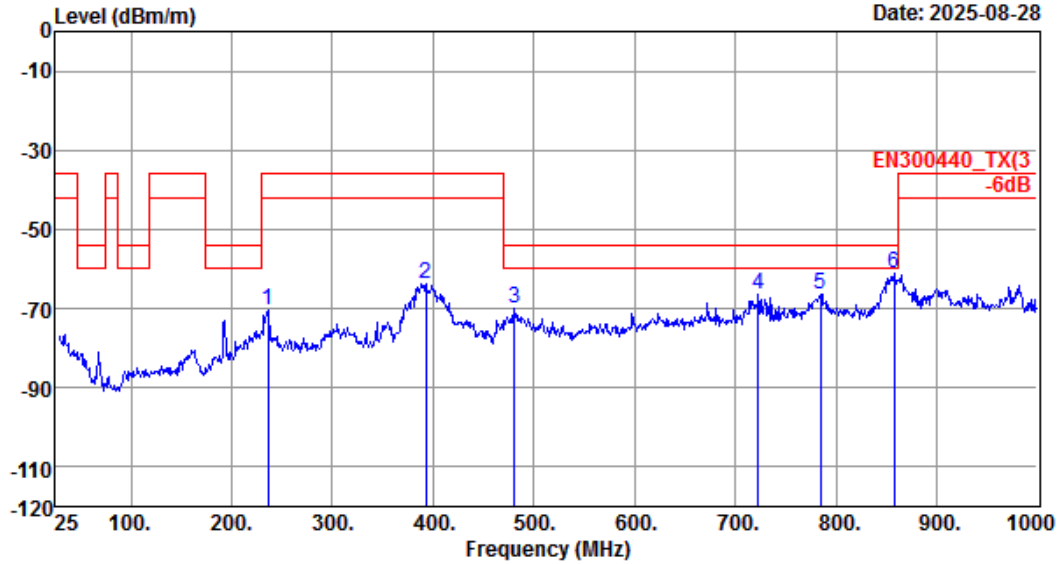
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Data: 127

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 127  
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
Limit : EN300440\_TX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : TX Mode  
WCT2GM2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Emission<br>Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------------------|-----------------|----------------|------|
| 1 | 235.64         | 10.78                    | 2.30                  | -93.27           | 9.70                         | -70.49                     | -36.00          | 34.49          | erp  |
| 2 | 392.78         | 15.68                    | 3.08                  | -92.25           | 9.70                         | -63.79                     | -36.00          | 27.79          | erp  |
| 3 | 481.05         | 17.80                    | 3.48                  | -101.05          | 9.70                         | -70.07                     | -54.00          | 16.07          | erp  |
| 4 | 722.58         | 21.00                    | 4.37                  | -101.52          | 9.70                         | -66.45                     | -54.00          | 12.45          | erp  |
| 5 | 784.66         | 22.09                    | 4.59                  | -102.87          | 9.70                         | -66.49                     | -54.00          | 12.49          | erp  |
| 6 | 857.41         | 22.90                    | 4.84                  | -98.62           | 9.70                         | -61.18                     | -54.00          | 7.18           | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.



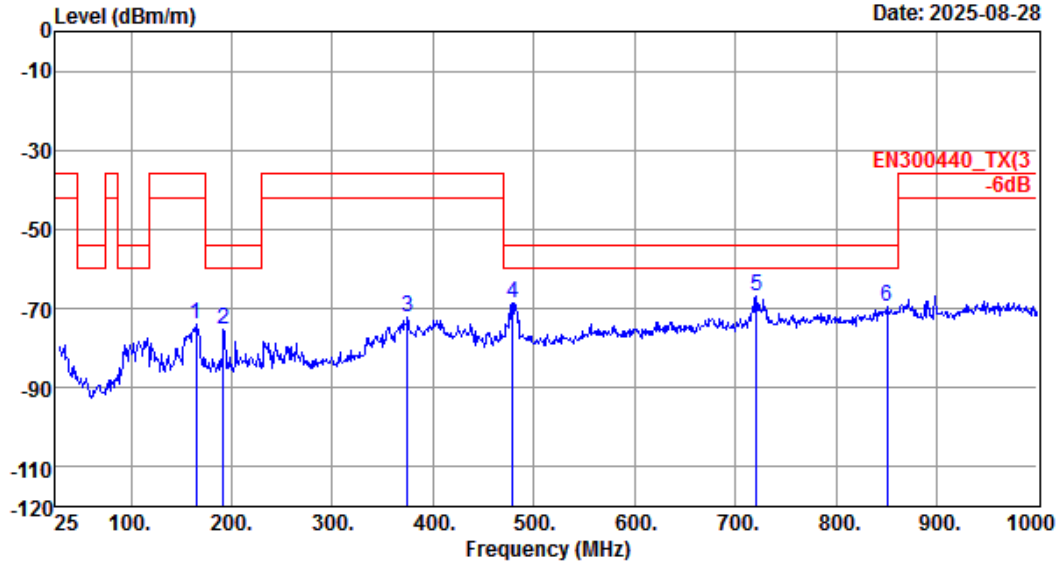
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Data: 128

File: \\EMC-966-1\test data\2025\RF\TTC\王牌\A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 128  
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
Limit : EN300440\_TX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : TX Mode  
WCT2GM2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Emission<br>Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------------------|-----------------|----------------|------|
| 1 | 164.83         | 10.62                    | 1.90                  | -96.22           | 9.70                         | -74.00                     | -36.00          | 38.00          | erp  |
| 2 | 191.99         | 9.28                     | 2.06                  | -96.51           | 9.70                         | -75.47                     | -54.00          | 21.47          | erp  |
| 3 | 374.35         | 14.96                    | 3.00                  | -99.77           | 9.70                         | -72.11                     | -36.00          | 36.11          | erp  |
| 4 | 479.11         | 17.75                    | 3.47                  | -99.58           | 9.70                         | -68.66                     | -54.00          | 14.66          | erp  |
| 5 | 720.64         | 20.90                    | 4.36                  | -101.97          | 9.70                         | -67.01                     | -54.00          | 13.01          | erp  |
| 6 | 850.62         | 22.90                    | 4.81                  | -106.71          | 9.70                         | -69.30                     | -54.00          | 15.30          | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

Above 1000MHz

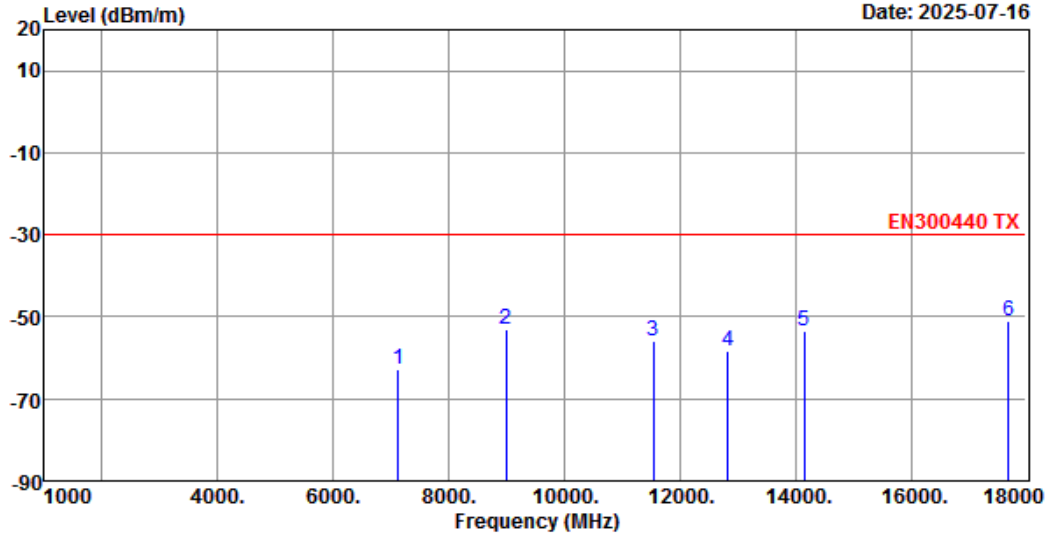
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Data: 103

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.EM6 (154)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 103  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL  
 Limit : EN300440 TX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : IEEE 802.11n HT20 TX 5745MHz  
 WCT2GM2511

|   | Freq.    | Ant.   | Cable | Amp    | Correction | Emission |        |        |        |      |
|---|----------|--------|-------|--------|------------|----------|--------|--------|--------|------|
|   | (MHz)    | Factor | Loss  | Factor | Reading    | Factor   | Level  | Limits | Margin | Type |
|   |          | (dB/m) | (dB)  | (dB)   | (dBm)      | (dB)     | (dBm)  | (dBm)  | (dB)   |      |
| 1 | 7120.00  | 36.77  | 6.68  | 43.38  | -74.79     | 11.80    | -62.92 | -30.00 | 32.92  | eirp |
| 2 | 8990.00  | 38.42  | 7.06  | 43.00  | -67.49     | 11.80    | -53.21 | -30.00 | 23.21  | eirp |
| 3 | 11540.00 | 39.78  | 8.85  | 41.46  | -74.71     | 11.80    | -55.74 | -30.00 | 25.74  | eirp |
| 4 | 12832.00 | 40.27  | 9.34  | 39.75  | -79.81     | 11.80    | -58.15 | -30.00 | 28.15  | eirp |
| 5 | 14158.00 | 41.70  | 10.35 | 40.25  | -77.21     | 11.80    | -53.61 | -30.00 | 23.61  | eirp |
| 6 | 17694.00 | 44.99  | 12.98 | 41.74  | -79.03     | 11.80    | -51.00 | -30.00 | 21.00  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

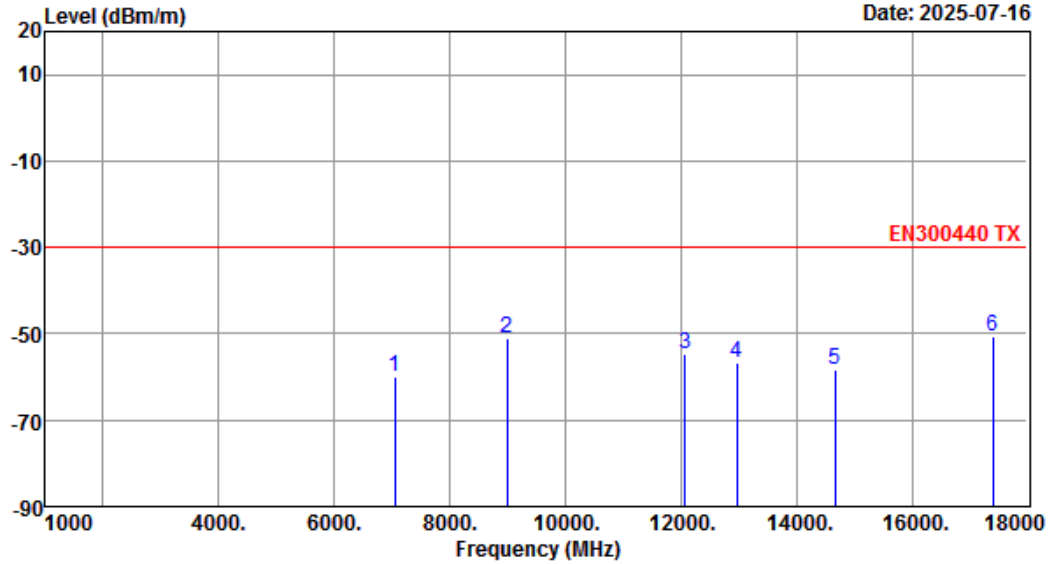
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Data: 104

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 104  
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL  
Limit : EN300440 TX  
Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
Engineer : Aron Zhang  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : IEEE 802.11n HT20 TX 5745MHz  
WCT2GM2511

|   |          | Ant.   | Cable | Amp    |         | Correction | Emission |        |        |      |
|---|----------|--------|-------|--------|---------|------------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading | Factor     | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)   | (dB)       | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 7052.00  | 36.30  | 6.66  | 43.39  | -71.46  | 11.80      | -60.09   | -30.00 | 30.09  | eirp |
| 2 | 8990.00  | 38.42  | 7.06  | 43.00  | -65.48  | 11.80      | -51.20   | -30.00 | 21.20  | eirp |
| 3 | 12067.00 | 40.11  | 8.95  | 40.90  | -74.85  | 11.80      | -54.89   | -30.00 | 24.89  | eirp |
| 4 | 12968.00 | 40.29  | 9.41  | 39.55  | -78.63  | 11.80      | -56.68   | -30.00 | 26.68  | eirp |
| 5 | 14668.00 | 40.38  | 10.76 | 41.42  | -79.72  | 11.80      | -58.20   | -30.00 | 28.20  | eirp |
| 6 | 17405.00 | 43.34  | 12.92 | 42.05  | -76.66  | 11.80      | -50.65   | -30.00 | 20.65  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
2. Margin= Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

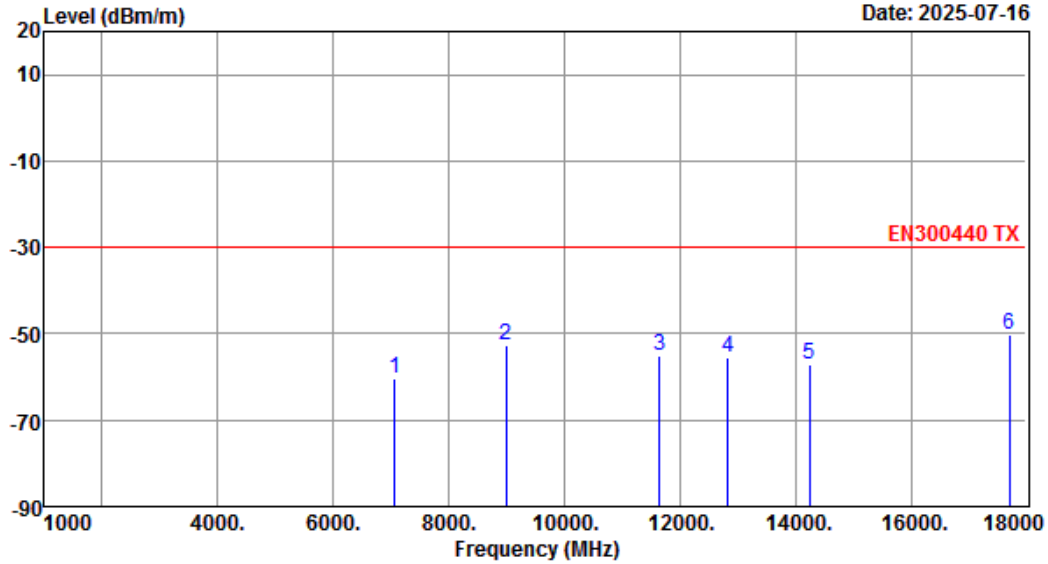
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Data: 105

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.EM6 (154)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 105  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL  
 Limit : EN300440 TX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : IEEE 802.11n HT20 TX 5825MHz  
 WCT2GM2511

|   |          | Ant.   | Cable | Amp    |         | Correction | Emission |        |        |      |
|---|----------|--------|-------|--------|---------|------------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading | Factor     | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)   | (dB)       | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 7069.00  | 36.43  | 6.66  | 43.39  | -72.03  | 11.80      | -60.53   | -30.00 | 30.53  | eirp |
| 2 | 8990.00  | 38.42  | 7.06  | 43.00  | -66.96  | 11.80      | -52.68   | -30.00 | 22.68  | eirp |
| 3 | 11642.00 | 39.85  | 8.87  | 41.36  | -74.24  | 11.80      | -55.08   | -30.00 | 25.08  | eirp |
| 4 | 12832.00 | 40.27  | 9.34  | 39.75  | -77.20  | 11.80      | -55.54   | -30.00 | 25.54  | eirp |
| 5 | 14243.00 | 41.48  | 10.41 | 40.45  | -80.16  | 11.80      | -56.92   | -30.00 | 26.92  | eirp |
| 6 | 17711.00 | 45.08  | 12.98 | 41.72  | -78.42  | 11.80      | -50.28   | -30.00 | 20.28  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

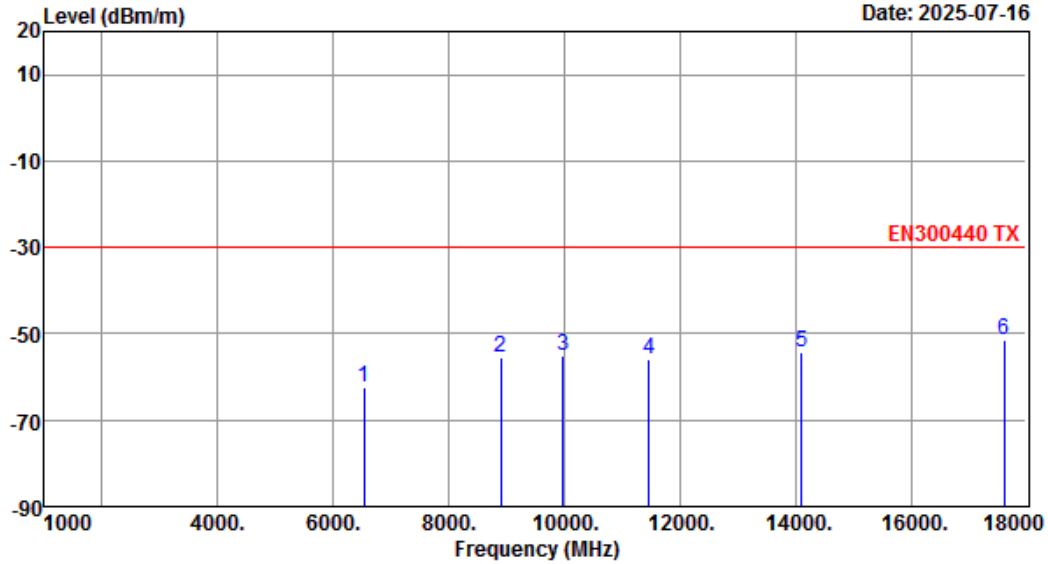
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Data: 106

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 106  
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL  
Limit : EN300440 TX  
Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
Engineer : Aron Zhang  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : IEEE 802.11n HT20 TX 5825MHz  
WCT2GM2511

|   |          | Ant.   | Cable | Amp    | Correction |        | Emission |        |        |      |
|---|----------|--------|-------|--------|------------|--------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading    | Factor | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)      | (dB)   | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 6525.00  | 35.98  | 6.28  | 43.40  | -73.05     | 11.80  | -62.39   | -30.00 | 32.39  | eirp |
| 2 | 8905.00  | 39.00  | 7.05  | 43.02  | -70.39     | 11.80  | -55.56   | -30.00 | 25.56  | eirp |
| 3 | 9976.00  | 39.54  | 8.09  | 42.71  | -71.76     | 11.80  | -55.04   | -30.00 | 25.04  | eirp |
| 4 | 11472.00 | 39.73  | 8.84  | 41.53  | -74.82     | 11.80  | -55.98   | -30.00 | 25.98  | eirp |
| 5 | 14107.00 | 41.84  | 10.30 | 40.13  | -78.00     | 11.80  | -54.19   | -30.00 | 24.19  | eirp |
| 6 | 17609.00 | 44.54  | 12.96 | 41.83  | -79.02     | 11.80  | -51.55   | -30.00 | 21.55  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
2. Margin= Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

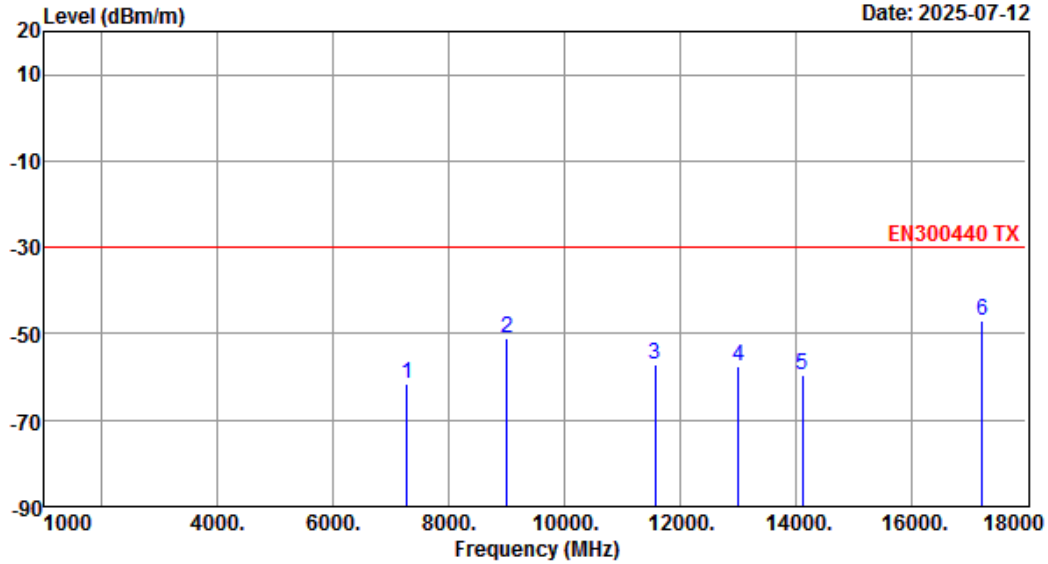
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Data: 87

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 87  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL  
 Limit : EN300440 TX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : IEEE 802.11ax HE20 TX 5745MHz  
 WXT52M2511

|   | Freq.    | Ant.   | Cable | Amp    |         | Correction | Emission |        |        |      |
|---|----------|--------|-------|--------|---------|------------|----------|--------|--------|------|
|   | (MHz)    | Factor | Loss  | Factor | Reading | Factor     | Level    | Limits | Margin | Type |
|   |          | (dB/m) | (dB)  | (dB)   | (dBm)   | (dB)       | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 7273.00  | 36.50  | 6.72  | 43.35  | -73.35  | 11.80      | -61.68   | -30.00 | 31.68  | eirp |
| 2 | 9007.00  | 38.30  | 7.06  | 43.00  | -65.08  | 11.80      | -50.92   | -30.00 | 20.92  | eirp |
| 3 | 11574.00 | 39.80  | 8.86  | 41.42  | -75.96  | 11.80      | -56.92   | -30.00 | 26.92  | eirp |
| 4 | 13019.00 | 40.33  | 9.44  | 39.51  | -79.40  | 11.80      | -57.34   | -30.00 | 27.34  | eirp |
| 5 | 14124.00 | 41.79  | 10.32 | 40.17  | -83.25  | 11.80      | -59.51   | -30.00 | 29.51  | eirp |
| 6 | 17235.00 | 42.24  | 12.88 | 42.24  | -71.54  | 11.80      | -46.86   | -30.00 | 16.86  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

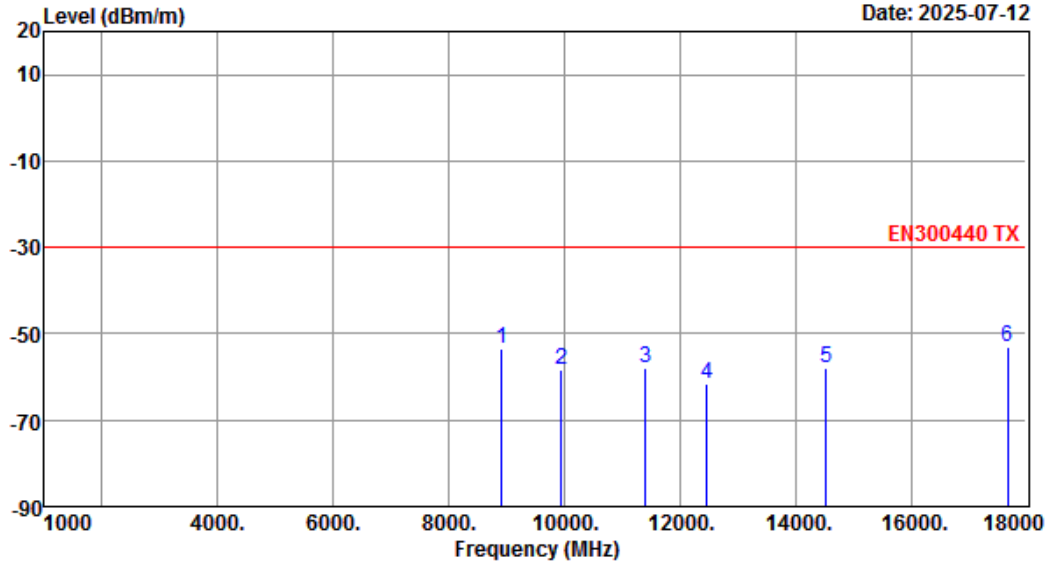
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Data: 88

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 88  
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL  
Limit : EN300440 TX  
Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
Engineer : Aron Zhang  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : IEEE 802.11ax HE20 TX 5745MHz  
WXT52M2511

|   |          | Ant.   | Cable | Amp    |         | Correction | Emission |        |        |      |
|---|----------|--------|-------|--------|---------|------------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading | Factor     | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)   | (dB)       | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 8922.00  | 38.88  | 7.05  | 43.02  | -68.12  | 11.80      | -53.41   | -30.00 | 23.41  | eirp |
| 2 | 9942.00  | 39.42  | 8.06  | 42.72  | -74.70  | 11.80      | -58.14   | -30.00 | 28.14  | eirp |
| 3 | 11404.00 | 39.68  | 8.83  | 41.59  | -76.78  | 11.80      | -58.06   | -30.00 | 28.06  | eirp |
| 4 | 12475.00 | 40.19  | 9.16  | 40.29  | -82.26  | 11.80      | -61.40   | -30.00 | 31.40  | eirp |
| 5 | 14532.00 | 40.73  | 10.65 | 41.11  | -80.08  | 11.80      | -58.01   | -30.00 | 28.01  | eirp |
| 6 | 17677.00 | 44.90  | 12.97 | 41.75  | -80.86  | 11.80      | -52.94   | -30.00 | 22.94  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
2. Margin= Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

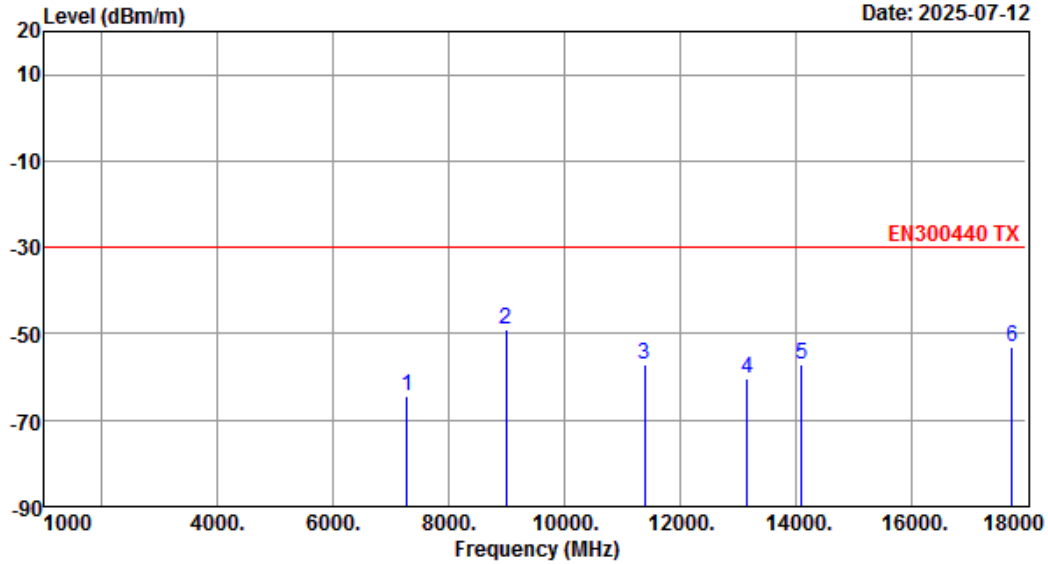
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Data: 89

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.EM6 (154)

Date: 2025-07-12



Site no. : site Data no. : 89  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL  
 Limit : EN300440 TX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : IEEE 802.11ax HE20 TX 5825MHz  
 WXT52M2511

|   | Freq.    | Ant.   | Cable | Amp    | Correction | Emission |        |        |        |      |
|---|----------|--------|-------|--------|------------|----------|--------|--------|--------|------|
|   | (MHz)    | Factor | Loss  | Factor | Reading    | Factor   | Level  | Limits | Margin | Type |
|   |          | (dB/m) | (dB)  | (dB)   | (dBm)      | (dB)     | (dBm)  | (dBm)  | (dB)   |      |
| 1 | 7273.00  | 36.50  | 6.72  | 43.35  | -76.18     | 11.80    | -64.51 | -30.00 | 34.51  | eirp |
| 2 | 8990.00  | 38.42  | 7.06  | 43.00  | -63.09     | 11.80    | -48.81 | -30.00 | 18.81  | eirp |
| 3 | 11387.00 | 39.67  | 8.83  | 41.61  | -75.66     | 11.80    | -56.97 | -30.00 | 26.97  | eirp |
| 4 | 13172.00 | 40.61  | 9.56  | 39.57  | -82.66     | 11.80    | -60.26 | -30.00 | 30.26  | eirp |
| 5 | 14107.00 | 41.84  | 10.30 | 40.13  | -81.09     | 11.80    | -57.28 | -30.00 | 27.28  | eirp |
| 6 | 17745.00 | 45.26  | 12.99 | 41.68  | -81.55     | 11.80    | -53.18 | -30.00 | 23.18  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.



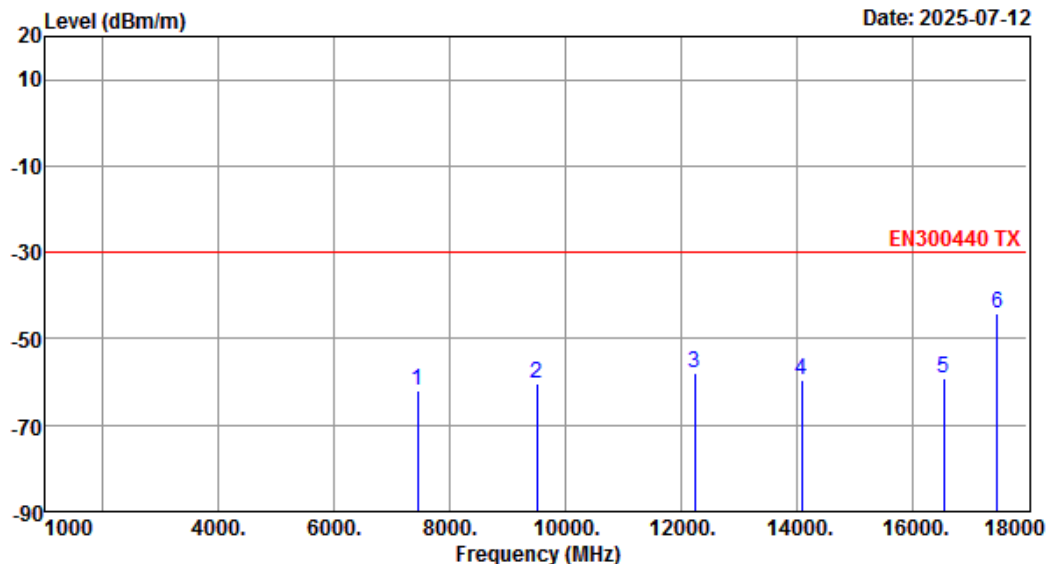
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Data: 90

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.EM6 (154)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 90  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL  
 Limit : EN300440 TX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : IEEE 802.11ax HE20 TX 5825MHz  
 WXT52M2511

|   | Freq.    | Ant.   | Cable | Amp    | Correction | Emission |        |        |        |      |
|---|----------|--------|-------|--------|------------|----------|--------|--------|--------|------|
|   | (MHz)    | Factor | Loss  | Factor | Reading    | Factor   | Level  | Limits | Margin | Type |
|   |          | (dB/m) | (dB)  | (dB)   | (dBm)      | (dB)     | (dBm)  | (dBm)  | (dB)   |      |
| 1 | 7443.00  | 36.85  | 6.77  | 43.31  | -74.15     | 11.80    | -62.04 | -30.00 | 32.04  | eirp |
| 2 | 9500.00  | 39.20  | 7.59  | 42.85  | -76.17     | 11.80    | -60.43 | -30.00 | 30.43  | eirp |
| 3 | 12237.00 | 40.15  | 9.04  | 40.64  | -78.48     | 11.80    | -58.13 | -30.00 | 28.13  | eirp |
| 4 | 14090.00 | 41.88  | 10.29 | 40.09  | -83.43     | 11.80    | -59.55 | -30.00 | 29.55  | eirp |
| 5 | 16555.00 | 39.86  | 12.29 | 42.59  | -80.70     | 11.80    | -59.34 | -30.00 | 29.34  | eirp |
| 6 | 17473.00 | 43.78  | 12.93 | 41.98  | -70.56     | 11.80    | -44.03 | -30.00 | 14.03  | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## 4.SPURIOUS RADIATIONS

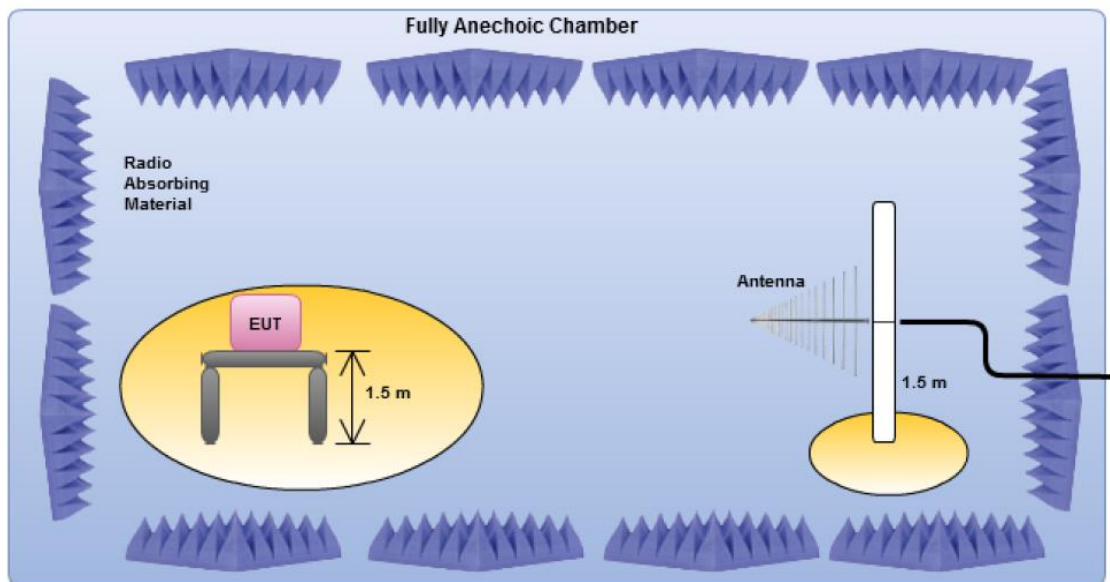
### 4.1.Applicability

This requirement applies to all receivers, except receivers used in combination with permanently co-located transmitters continuously transmitting. Co-located is defined as  $< 3$  m. In these cases the receivers will be tested together with the transmitter in operating mode

### 4.2.Limit

The power of any spurious emission shall not exceed 2 nW in the range 25 MHz to 1 GHz and shall not exceed 20 nW on frequencies above 1 GHz.

### 4.3.Test Setup



### 4.4.Test Procedure

- EUT was placed on a turn table, which is 1.5 meter high above ground.
- Test Antenna is set 3 meters away from the EUT, which is connected to a spectrum analyzer.
- Set the EUT into receiving mode.
- The measurement procedure refers to section 4.3.5.3 of ETSI EN300 440 V2.1.1.
- Record the results in the test report.

## 4.5. Test Result

25MHz-1000MHz

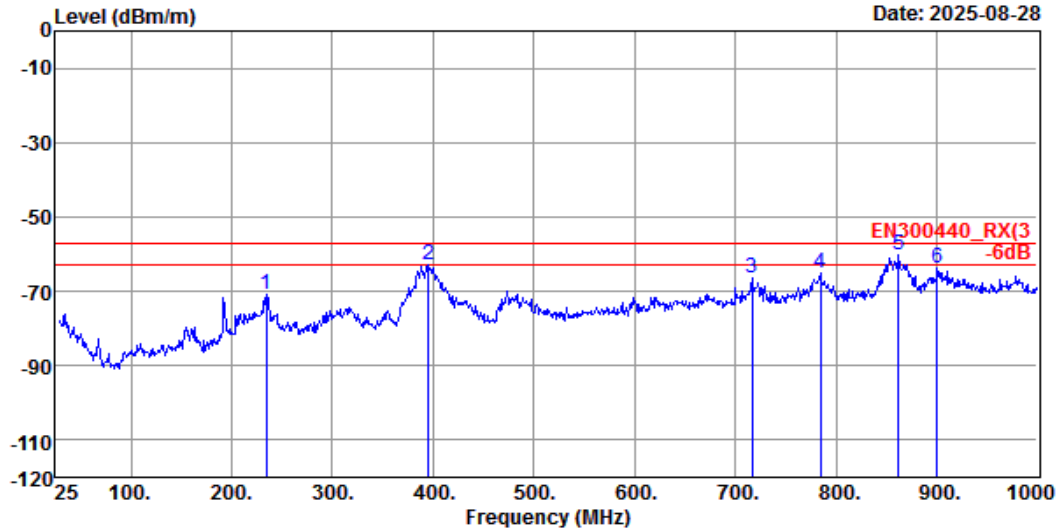
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Data: 125

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 125  
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
Limit : EN300440\_RX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : RX Mode  
WXT52M2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Emission<br>Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------------------|-----------------|----------------|------|
| 1 | 234.67         | 10.70                    | 2.30                  | -93.75           | 9.70                         | -71.05                     | -57.00          | 14.05          | erp  |
| 2 | 395.69         | 15.76                    | 3.10                  | -91.57           | 9.70                         | -63.01                     | -57.00          | 6.01           | erp  |
| 3 | 716.76         | 20.82                    | 4.35                  | -101.35          | 9.70                         | -66.48                     | -57.00          | 9.48           | erp  |
| 4 | 784.66         | 22.09                    | 4.59                  | -101.32          | 9.70                         | -64.94                     | -57.00          | 7.94           | erp  |
| 5 | 862.26         | 22.90                    | 4.85                  | -97.77           | 9.70                         | -60.32                     | -57.00          | 3.32           | erp  |
| 6 | 900.09         | 22.92                    | 4.98                  | -101.55          | 9.70                         | -63.95                     | -57.00          | 6.95           | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

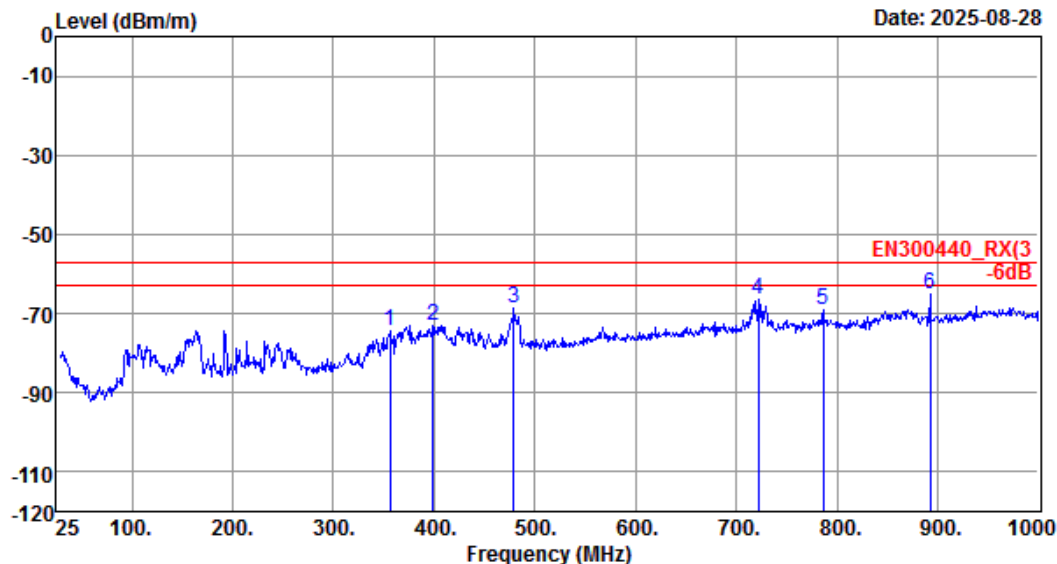
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Data: 126

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 126  
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
Limit : EN300440\_RX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : RX Mode  
WXT52M2511

|   | Freq.<br>(MHz) | Ant.             | Cable        |                  | Correction Emission |                |                 |       | Margin Type |
|---|----------------|------------------|--------------|------------------|---------------------|----------------|-----------------|-------|-------------|
|   |                | Factor<br>(dB/m) | Loss<br>(dB) | Reading<br>(dBm) | Factor<br>(dB)      | Level<br>(dBm) | Limits<br>(dBm) | (dB)  |             |
| 1 | 355.92         | 14.51            | 2.92         | -101.58          | 9.70                | -74.45         | -57.00          | 17.45 | erp         |
| 2 | 398.60         | 15.85            | 3.11         | -101.52          | 9.70                | -72.86         | -57.00          | 15.86 | erp         |
| 3 | 479.11         | 17.75            | 3.47         | -99.75           | 9.70                | -68.83         | -57.00          | 11.83 | erp         |
| 4 | 721.61         | 20.95            | 4.36         | -101.28          | 9.70                | -66.27         | -57.00          | 9.27  | erp         |
| 5 | 786.60         | 22.13            | 4.59         | -105.38          | 9.70                | -68.96         | -57.00          | 11.96 | erp         |
| 6 | 892.33         | 22.76            | 4.96         | -102.47          | 9.70                | -65.05         | -57.00          | 8.05  | erp         |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

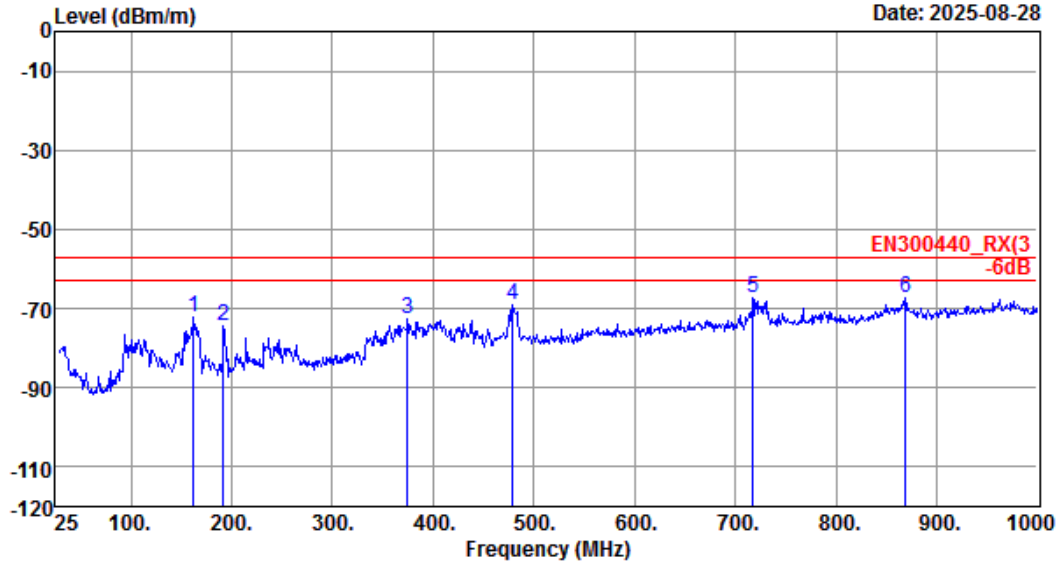
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Data: 129

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 129  
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
Limit : EN300440\_RX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : RX Mode  
WCT2GM2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Emission<br>Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------------------|-----------------|----------------|------|
| 1 | 161.92         | 10.97                    | 1.88                  | -94.71           | 9.70                         | -72.16                     | -57.00          | 15.16          | erp  |
| 2 | 191.99         | 9.28                     | 2.06                  | -95.60           | 9.70                         | -74.56                     | -57.00          | 17.56          | erp  |
| 3 | 374.35         | 14.96                    | 3.00                  | -100.48          | 9.70                         | -72.82                     | -57.00          | 15.82          | erp  |
| 4 | 479.11         | 17.75                    | 3.47                  | -100.04          | 9.70                         | -69.12                     | -57.00          | 12.12          | erp  |
| 5 | 717.73         | 20.84                    | 4.35                  | -102.30          | 9.70                         | -67.41                     | -57.00          | 10.41          | erp  |
| 6 | 869.05         | 22.90                    | 4.88                  | -104.89          | 9.70                         | -67.41                     | -57.00          | 10.41          | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

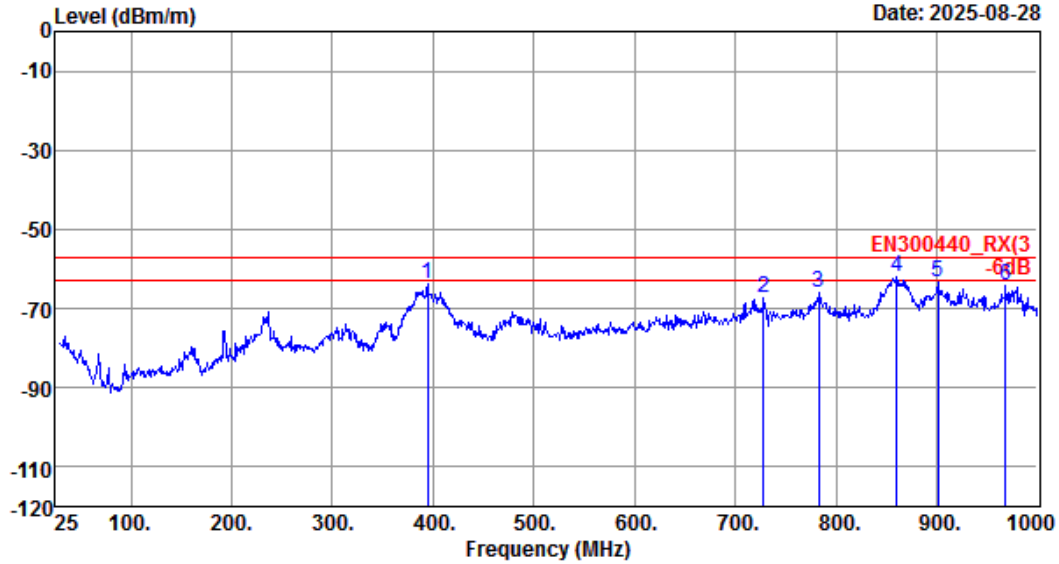
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Data: 130

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 130  
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
Limit : EN300440\_RX(3)  
Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa  
Engineer : ZQL  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : RX Mode  
WCT2GM2511

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBm) | Correction<br>Factor<br>(dB) | Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Type |
|---|----------------|--------------------------|-----------------------|------------------|------------------------------|----------------|-----------------|----------------|------|
| 1 | 394.72         | 15.74                    | 3.09                  | -92.33           | 9.70                         | -63.80         | -57.00          | 6.80           | erp  |
| 2 | 728.40         | 21.30                    | 4.39                  | -102.92          | 9.70                         | -67.53         | -57.00          | 10.53          | erp  |
| 3 | 782.72         | 22.05                    | 4.58                  | -102.27          | 9.70                         | -65.94         | -57.00          | 8.94           | erp  |
| 4 | 860.32         | 22.90                    | 4.85                  | -99.41           | 9.70                         | -61.96         | -57.00          | 4.96           | erp  |
| 5 | 901.06         | 22.94                    | 4.99                  | -101.16          | 9.70                         | -63.53         | -57.00          | 6.53           | erp  |
| 6 | 967.99         | 24.26                    | 5.20                  | -103.58          | 9.70                         | -64.42         | -57.00          | 7.42           | erp  |

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor  
2. Margin = Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.

Above 1000MHz

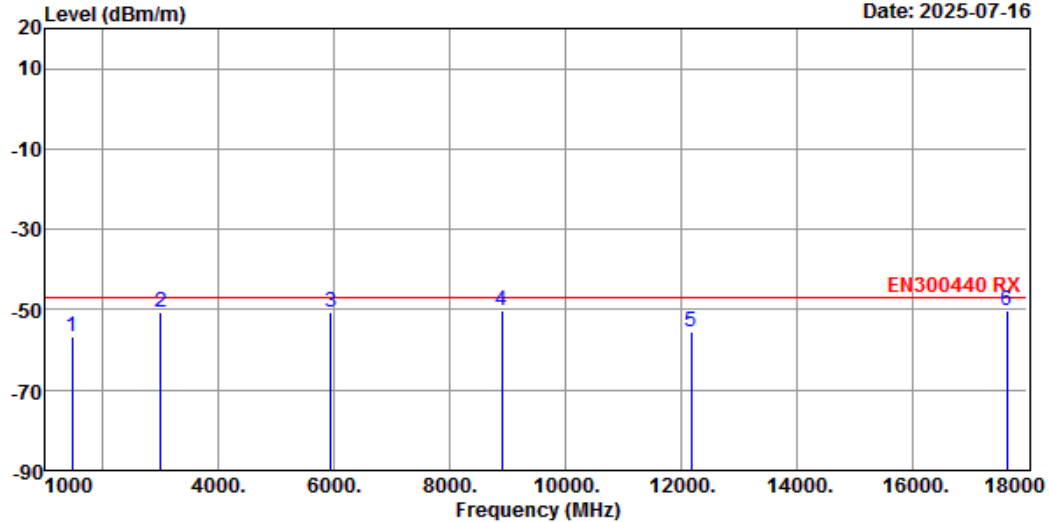
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Data: 111

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-75.EM6 (154)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 111  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL  
 Limit : EN300440 RX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : RX Mode  
 WCT2GM2511

|   |          | Ant.   | Cable | Amp    | Correction |        | Emission |        |        |      |
|---|----------|--------|-------|--------|------------|--------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading    | Factor | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)      | (dB)   | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 1459.00  | 25.90  | 2.65  | 45.31  | -51.88     | 11.80  | -56.84   | -47.00 | 9.84   | eirp |
| 2 | 2989.00  | 27.87  | 4.02  | 43.42  | -50.84     | 11.80  | -50.57   | -47.00 | 3.57   | eirp |
| 3 | 5947.00  | 33.40  | 5.86  | 43.39  | -58.30     | 11.80  | -50.63   | -47.00 | 3.63   | eirp |
| 4 | 8905.00  | 39.00  | 7.05  | 43.02  | -64.95     | 11.80  | -50.12   | -47.00 | 3.12   | eirp |
| 5 | 12186.00 | 40.14  | 9.02  | 40.72  | -75.66     | 11.80  | -55.42   | -47.00 | 8.42   | eirp |
| 6 | 17643.00 | 44.72  | 12.97 | 41.79  | -77.85     | 11.80  | -50.15   | -47.00 | 3.15   | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

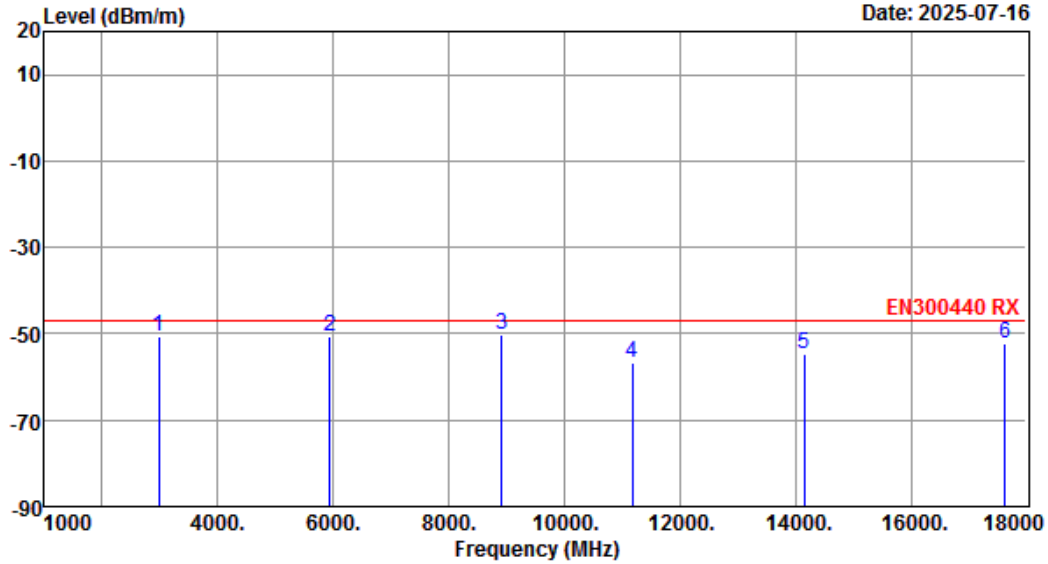
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Data: 112

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.E6 (154)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 112  
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL  
Limit : EN300440 RX  
Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
Engineer : Aron Zhang  
EUT : Interactive Flat Panel Display  
Power : AC 230V/50Hz  
M/N : A4-75  
Test Mode : RX Mode  
WCT2GM2511

|   |          | Ant.   | Cable | Amp    |         | Correction | Emission |        |        |      |
|---|----------|--------|-------|--------|---------|------------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading | Factor     | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)   | (dB)       | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 2972.00  | 27.93  | 4.01  | 43.44  | -50.95  | 11.80      | -50.65   | -47.00 | 3.65   | eirp |
| 2 | 5947.00  | 33.40  | 5.86  | 43.39  | -58.30  | 11.80      | -50.63   | -47.00 | 3.63   | eirp |
| 3 | 8922.00  | 38.88  | 7.05  | 43.02  | -64.97  | 11.80      | -50.26   | -47.00 | 3.26   | eirp |
| 4 | 11183.00 | 39.53  | 8.80  | 41.81  | -75.10  | 11.80      | -56.78   | -47.00 | 9.78   | eirp |
| 5 | 14158.00 | 41.70  | 10.35 | 40.25  | -78.28  | 11.80      | -54.68   | -47.00 | 7.68   | eirp |
| 6 | 17626.00 | 44.63  | 12.96 | 41.81  | -79.86  | 11.80      | -52.28   | -47.00 | 5.28   | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
2. Margin= Limit - Emission Level.  
3. The emission levels that are 20dB below the official limit are not reported.



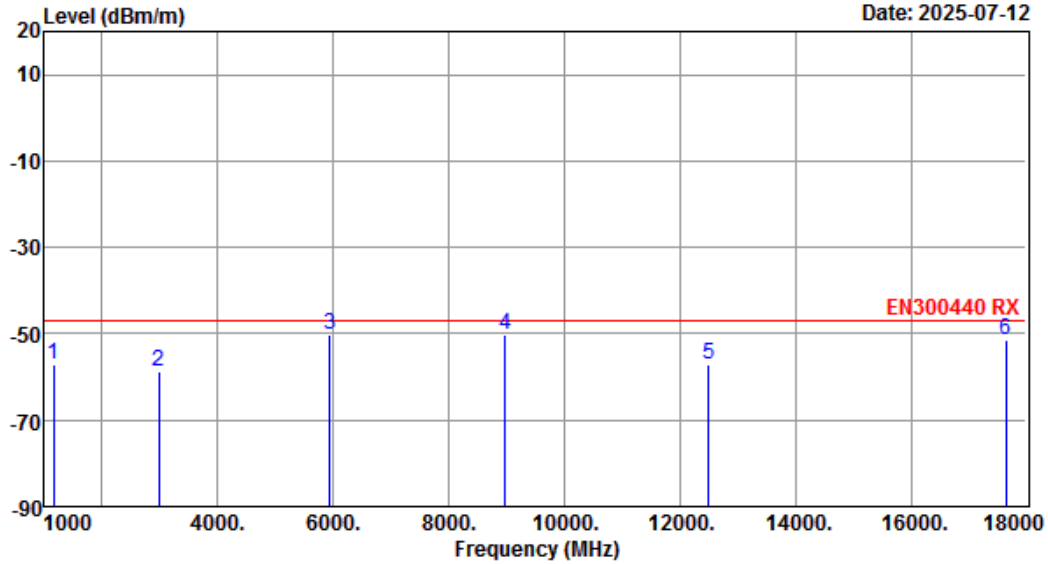
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Data: 65

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.E6 (154)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 65  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL  
 Limit : EN300440 RX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : RX Mode  
 WXT52M2511

|   |          | Ant.   | Cable | Amp    | Correction |        | Emission |        |        |      |
|---|----------|--------|-------|--------|------------|--------|----------|--------|--------|------|
|   | Freq.    | Factor | Loss  | Factor | Reading    | Factor | Level    | Limits | Margin | Type |
|   | (MHz)    | (dB/m) | (dB)  | (dB)   | (dBm)      | (dB)   | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 1153.00  | 25.30  | 2.38  | 45.70  | -51.10     | 11.80  | -57.32   | -47.00 | 10.32  | eirp |
| 2 | 2972.00  | 27.93  | 4.01  | 43.44  | -59.23     | 11.80  | -58.93   | -47.00 | 11.93  | eirp |
| 3 | 5947.00  | 33.40  | 5.86  | 43.39  | -58.04     | 11.80  | -50.37   | -47.00 | 3.37   | eirp |
| 4 | 8973.00  | 38.53  | 7.06  | 43.01  | -64.57     | 11.80  | -50.19   | -47.00 | 3.19   | eirp |
| 5 | 12492.00 | 40.20  | 9.17  | 40.26  | -77.96     | 11.80  | -57.05   | -47.00 | 10.05  | eirp |
| 6 | 17643.00 | 44.72  | 12.97 | 41.79  | -79.24     | 11.80  | -51.54   | -47.00 | 4.54   | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

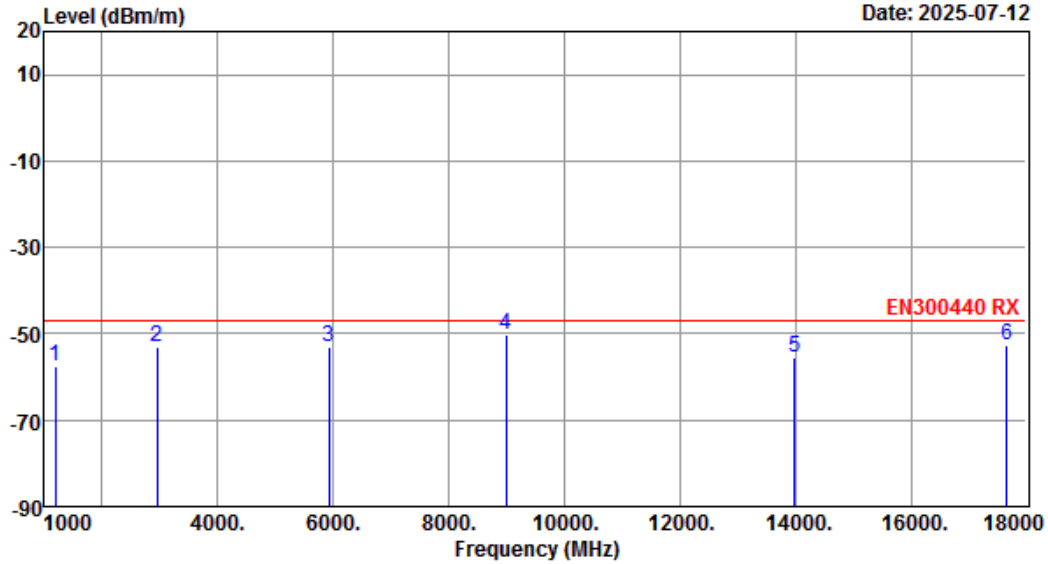
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Data: 66

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-75.E6 (154)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 66  
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL  
 Limit : EN300440 RX  
 Env. / Ins. : Temp:20.5°C;Humi:50%;Press:101.55kPa  
 Engineer : Aron Zhang  
 EUT : Interactive Flat Panel Display  
 Power : AC 230V/50Hz  
 M/N : A4-75  
 Test Mode : RX Mode  
 WXT52M2511

|   | Freq.    | Ant.   | Cable | Amp    |         | Correction | Emission |        |        |      |
|---|----------|--------|-------|--------|---------|------------|----------|--------|--------|------|
|   | (MHz)    | Factor | Loss  | Factor | Reading | Factor     | Level    | Limits | Margin | Type |
|   |          | (dB/m) | (dB)  | (dB)   | (dBm)   | (dB)       | (dBm)    | (dBm)  | (dB)   |      |
| 1 | 1187.00  | 25.17  | 2.41  | 45.66  | -51.20  | 11.80      | -57.48   | -47.00 | 10.48  | eirp |
| 2 | 2955.00  | 28.00  | 3.99  | 43.46  | -53.24  | 11.80      | -52.91   | -47.00 | 5.91   | eirp |
| 3 | 5930.00  | 33.40  | 5.85  | 43.39  | -60.63  | 11.80      | -52.97   | -47.00 | 5.97   | eirp |
| 4 | 8990.00  | 38.42  | 7.06  | 43.00  | -64.47  | 11.80      | -50.19   | -47.00 | 3.19   | eirp |
| 5 | 13988.00 | 42.07  | 10.21 | 39.89  | -79.53  | 11.80      | -55.34   | -47.00 | 8.34   | eirp |
| 6 | 17660.00 | 44.81  | 12.97 | 41.77  | -80.31  | 11.80      | -52.50   | -47.00 | 5.50   | eirp |

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## 5. PHOTOGRAPHS OF TEST SETUP

Below 1GHz



Above 1GHz



## **6.EUT PHOTO**

**Refer to report no. ESTE-R2507216**

**End of Test Report**