

ETSI EN301 893 RADIO TEST REPORT

For

i3-Technologies NV

Interactive Flat Panel Display

Model Number: A4-86

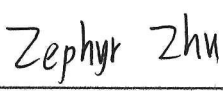
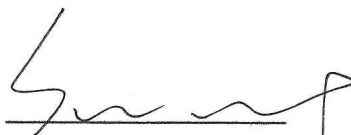
Addition Model: A4-NT-86

Applicant:	i3-Technologies NV
Address:	Kleine Schaluinweg 7, 3290 Diest, Belgium
Prepared By:	EST Technology Co., Ltd.
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Report Number:	ESTE-R2507207
Date of Test:	Jun. 20, 2025 ~ Aug. 30, 2025
Date of Report:	Sep. 02, 2025

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Applicant: Address:	i3-Technologies NV Kleine Schaluinweg 7, 3290 Diest, Belgium		
Manufacturer: Address:	i3-Technologies NV Kleine Schaluinweg 7, 3290 Diest, Belgium		
E.U.T:	Interactive Flat Panel Display		
Model Number:	A4-86		
Addition Model:	A4-NT-86 Note: They are identical except model name.		
Power Supply:	100-240V~, 50/60Hz, 8A		
Trade Name:	i3	Serial No.:	-----
Date of Receipt:	Jun. 20, 2025	Date of Test:	Jun. 20, 2025 ~ Aug. 30, 2025
Test Specification:	ETSI EN 301 893 V2.1.1:2017-05		
Test Result:	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 301 893 requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.		
Prepared by:		Reviewed by:	
 Zephyr Zhu/ Assistant		 Seven Wang/ Engineer	
		Date: Sep. 02, 2025 Approved by:  Iceman Hu/ Manager	
Other Aspects: 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	:	A4-86
Module Model Number	:	WCT2GM2511; WXT52M2511
Software Version	:	N/A
Hardware Version	:	N/A
Operation frequency	:	5150MHz~5250MHz 5250MHz~5350MHz 5470MHz~5725MHz
Number of channel	:	IEEE 802.11a/802.11n HT20/802.11ac VHT20/ 802.11ax HE20: 19 Channels IEEE 802.11n HT40/802.11ac VHT40/802.11ax HE40: 9 Channels IEEE 802.11ac VHT80/802.11ax HE80: 4 Channels
Modulation	:	OFDM, OFDMA
Operating Temperature Range	:	0℃~+45℃
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 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:

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, And IEEE 802.11ax
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 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 MEASUREMENTS AND RESULTS

Harmonized Standard ETSI EN 301 893			
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	Result
1	Carrier frequencies	4.2.1	N/A
2	Nominal, and occupied, channel bandwidth	4.2.2	N/A
3	RF output power	4.2.3	N/A
4	Transmit Power Control (TPC)	4.2.3	N/A
5	Power Density	4.2.3	N/A
6	Transmitter unwanted emissions outside the 5 GHz RLAN bands	4.2.4.1	N/A
7	Transmitter unwanted emissions within the 5 GHz RLAN bands	4.2.4.2	PASS
8	Receiver spurious emissions	4.2.5	PASS
9	DFS: Channel Availability Check	4.2.6.2.2	N/A
10	DFS: Off-Channel CAC-Radar Detection Threshold	4.2.6.2.3	N/A
11	DFS: Off-Channel CAC-Detection Probability	4.2.6.2.3	N/A
12	DFS: In service Monitoring	4.2.6.2.4	N/A
13	DFS: Channel shutdown	4.2.6.2.5	N/A
14	DFS: Non-occupancy period	4.2.6.2.6	N/A
15	DFS: Uniform spreading	4.2.6.2.7	N/A
16	Adaptivity	4.2.7	N/A
17	Receiver Blocking	4.2.8	N/A
18	User Access Restrictions	4.2.9	N/A
19	Geo-location capability	4.2.10	N/A

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.

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 4790119556.2-9 & 4791023025-1-RF-4.

2.1. 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

2.2.Measurement Uncertainty

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

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

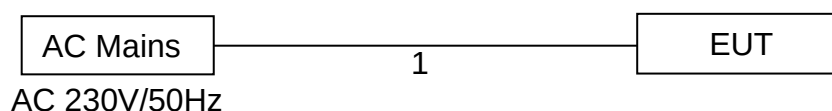
2.3.Assistant Equipment Used For Test

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

2.4.Block Diagram of Test Setup

For radiated emissions test: EUT was placed on a turntable, which is 1.5 meters high above ground. The EUT was set into 5G Wi-Fi test mode by software prior to testing.



(EUT: Interactive Flat Panel Display)

2.5. Test Mode

The test mode was selected for the final test as listed below.

Test Item	Test Mode	Modulation	Date Rate	Test Channel
Transmitter unwanted emissions outside the 5 GHz RLAN bands	IEEE 802.11a	OFDM	6Mbps	36/64/100/140
	IEEE 802.11n HT20	OFDM	MCS0	36/64/100/140
	IEEE 802.11n HT40	OFDM	MCS0	38/62/102/134
	IEEE 802.11ac VHT20	OFDM	MCS0	36/64/100/140
	IEEE 802.11ac VHT40	OFDM	MCS0	38/62/102/134
	IEEE 802.11ac VHT80	OFDM	MCS0	42/58/106/122
	IEEE 802.11ax HE20	OFDMA	MCS0	36/64/100/140
	IEEE 802.11ax HE40	OFDMA	MCS0	38/62/102/134
	IEEE 802.11ax HE80	OFDMA	MCS0	42/58/106/122
Receiver Spurious Emissions	Receive	-	-	-

Note: 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**.

2.6.Channel List

Band	Mode	Channel	Frequency (MHz)
Band 1	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20	36	5180
		40	5200
		44	5220
		48	5240
	IEEE 802.11n HT40 & ac VHT40 & ax HE40	38	5190
		46	5230
	IEEE 802.11ac VHT80 & ax HE80	42	5210
Band 2	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20	52	5260
		56	5280
		60	5300
		64	5320
	IEEE 802.11n HT40 & ac VHT40 & ax HE40	54	5270
		62	5310
	IEEE 802.11ac VHT80 & ax HE80	58	5290
Band 3	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20	100	5500
		104	5520
		108	5540
		112	5560
		116	5580
		120	5600
		124	5620
		128	5640
		132	5660
		136	5680
		140	5700
		102	5510
	IEEE 802.11n HT40 & ac VHT40 & ax HE40	110	5550
		118	5590
		126	5630
		134	5670
	IEEE 802.11ac VHT80 & ax HE80	106	5530
		122	5610

2.7. 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

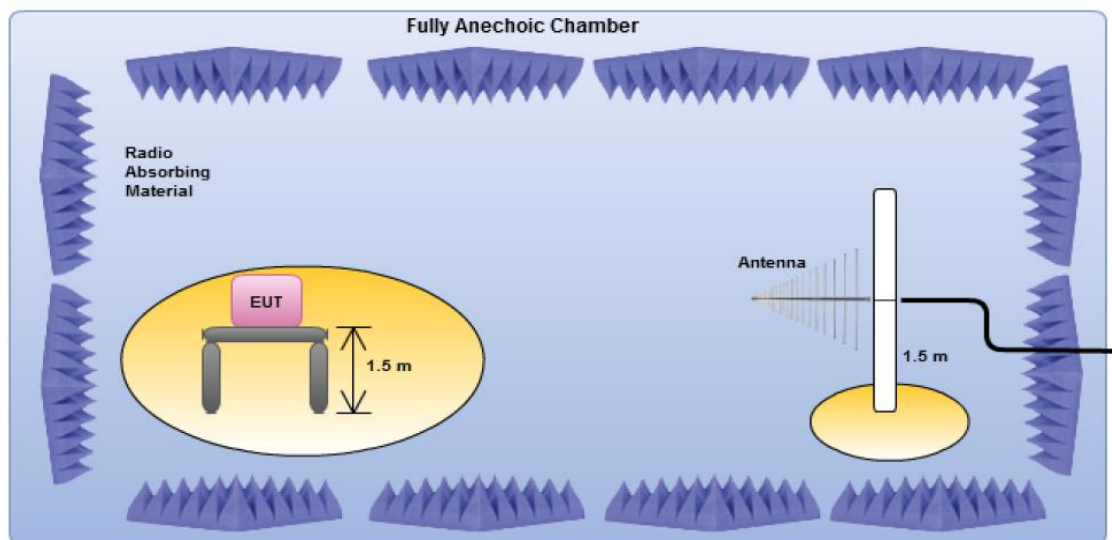
3. TRANSMITTER UNWANTED EMISSIONS OUTSIDE THE 5 GHz RLAN BANDS

3.1. Limit

Frequency Range	Maximum Power	Bandwidth
30MHz to 47MHz	-36dBm	100KHz
47MHz to 74MHz	-54dBm	100KHz
74MHz to 87,5MHz	-36dBm	100KHz
87,5MHz to 118MHz	-54dBm	100KHz
118MHz to 174MHz	-36dBm	100KHz
174MHz to 230MHz	-54dBm	100KHz
230MHz to 470MHz	-36dBm	100KHz
470MHz to 862MHz	-54dBm	100KHz
862MHz to 1GHz	-36dBm	100KHz
1GHz to 5,15GHz	-30dBm	1MHz
5,35GHz to 5,47GHz	-30dBm	1MHz
5,725GHz to 26GHz	-30dBm	1MHz

Note: These limits are e.r.p. for emissions up to 1 GHz and as e.i.r.p. for emissions above 1 GHz.

3.2. Test Setup



3.3. Test Procedure

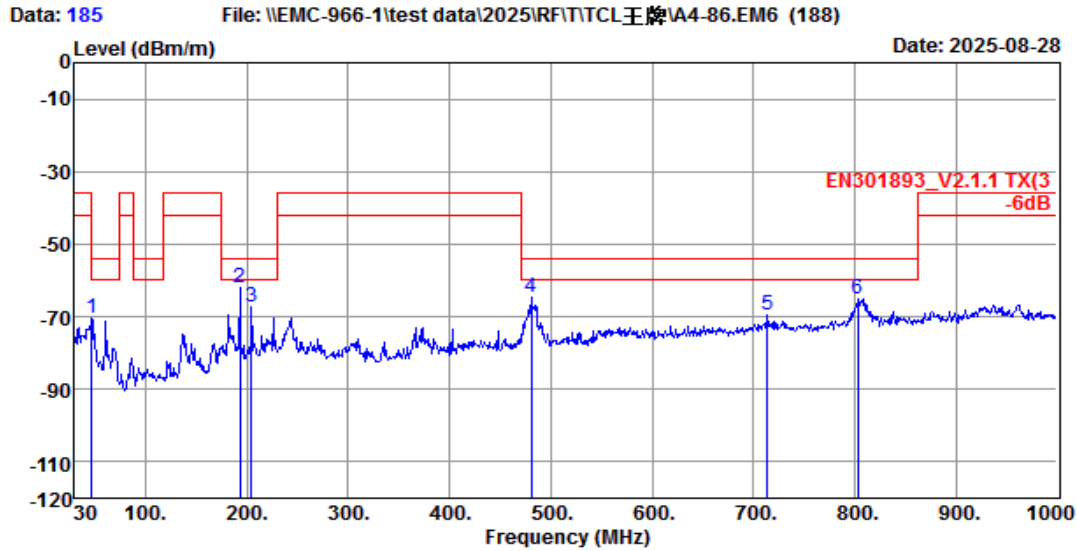
- EUT was placed on a turn table, which is 1.5 meter high above ground.
- Test Antenna is set 3 meters away from the EUT, which is connect to a spectrum analyzer.
- The measurement conditions refer to clause 5.4.5.1 of ETSI EN301 893 V2.1.1.
- The measurement procedure refer to clause 5.4.5.2.2 of ETSI EN EN301 893 V2.1.1.
- Repeat step a to step c until all modes and channels were measured.
- Record the results in the test report.

3.4. Test Result

30MHz to 1GHz

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Site no. : 1# 966 Chamber Data no. : 185
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : TX Mode
WXT52M2511

	Freq.	Ant.	Cable		Correction	Emission			
	(MHz)	Factor	Loss	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	46.49	10.50	0.94	-91.56	9.70	-70.42	-36.00	34.42	erp
2	192.96	9.32	2.07	-82.96	9.70	-61.87	-54.00	7.87	erp
3	204.60	9.35	2.14	-88.33	9.70	-67.14	-54.00	13.14	erp
4	481.05	17.80	3.48	-95.60	9.70	-64.62	-54.00	10.62	erp
5	713.85	20.78	4.34	-104.51	9.70	-69.69	-54.00	15.69	erp
6	803.09	22.07	4.65	-101.30	9.70	-64.88	-54.00	10.88	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.

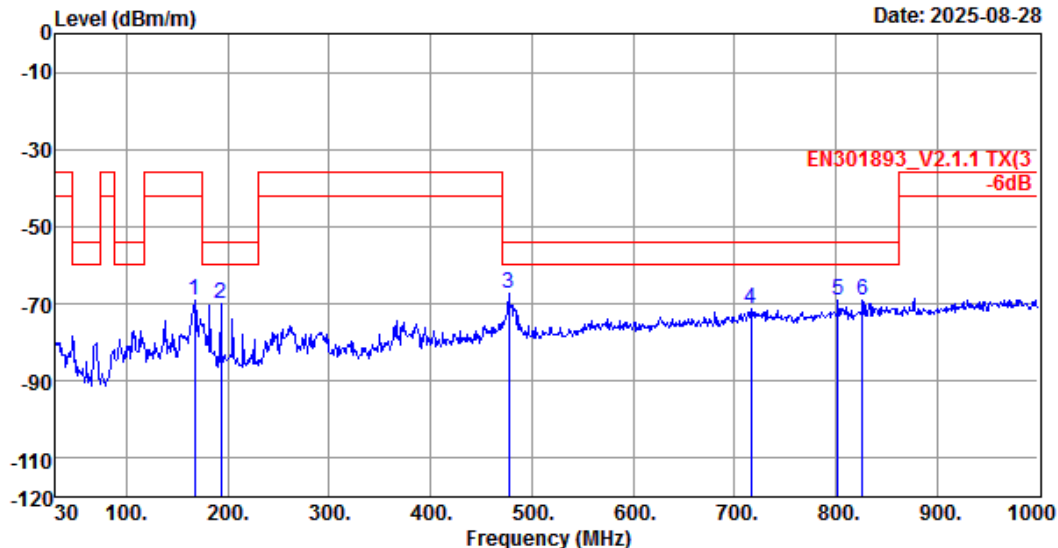
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Data: 186

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 186
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : TX Mode
WXT52M2511

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBm)	Correction Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Type
1	166.77	10.40	1.91	-91.11	9.70	-69.10	-36.00	33.10	erp
2	192.96	9.32	2.07	-91.20	9.70	-70.11	-54.00	16.11	erp
3	477.17	17.64	3.46	-98.31	9.70	-67.51	-54.00	13.51	erp
4	716.76	20.82	4.35	-106.35	9.70	-71.48	-54.00	17.48	erp
5	802.12	22.08	4.65	-105.57	9.70	-69.14	-54.00	15.14	erp
6	826.37	22.29	4.73	-105.95	9.70	-69.23	-54.00	15.23	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 1GHz

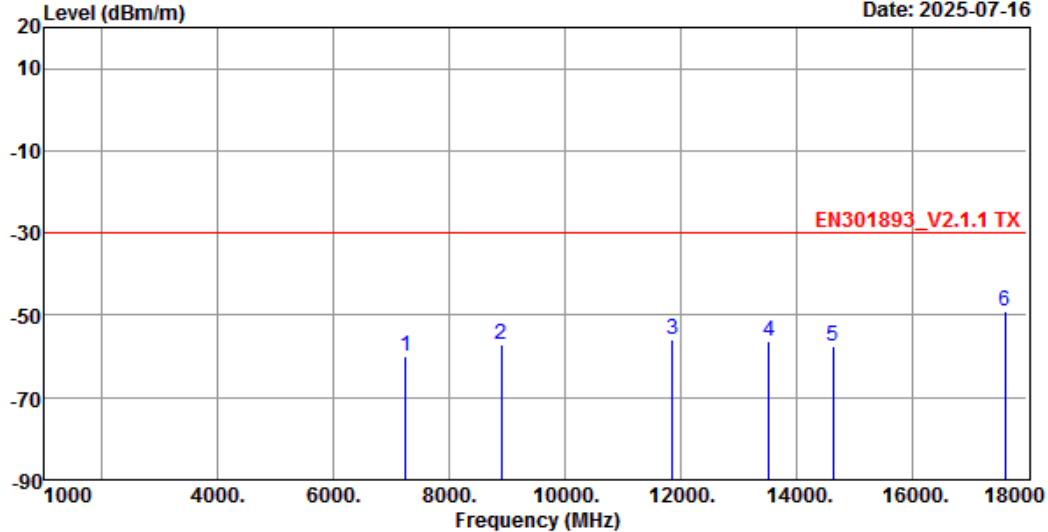
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Data: 135

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 135
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11n HT20 TX 5180MHz
 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	7239.00	36.80	6.71	43.35	-72.06	11.80	-60.10	-30.00	30.10	eirp
2	8905.00	39.00	7.05	43.02	-71.99	11.80	-57.16	-30.00	27.16	eirp
3	11863.00	40.01	8.90	41.14	-75.31	11.80	-55.74	-30.00	25.74	eirp
4	13529.00	41.25	9.85	39.71	-79.44	11.80	-56.25	-30.00	26.25	eirp
5	14634.00	40.47	10.73	41.34	-79.00	11.80	-57.34	-30.00	27.34	eirp
6	17609.00	44.54	12.96	41.83	-76.60	11.80	-49.13	-30.00	19.13	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.

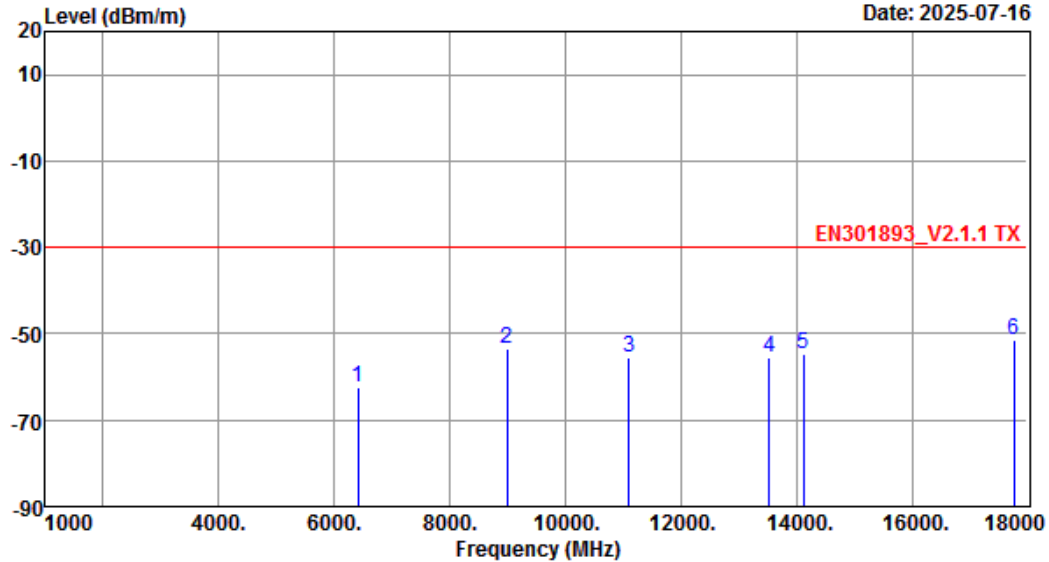
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Data: 136

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 136
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11n HT20 TX 5180MHz
 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	6406.00	35.70	6.19	43.40	-72.57	11.80	-62.28	-30.00	32.28	eirp
2	8990.00	38.42	7.06	43.00	-67.56	11.80	-53.28	-30.00	23.28	eirp
3	11098.00	39.47	8.79	41.90	-73.54	11.80	-55.38	-30.00	25.38	eirp
4	13529.00	41.25	9.85	39.71	-78.71	11.80	-55.52	-30.00	25.52	eirp
5	14124.00	41.79	10.32	40.17	-78.47	11.80	-54.73	-30.00	24.73	eirp
6	17762.00	45.34	12.99	41.66	-79.89	11.80	-51.42	-30.00	21.42	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.

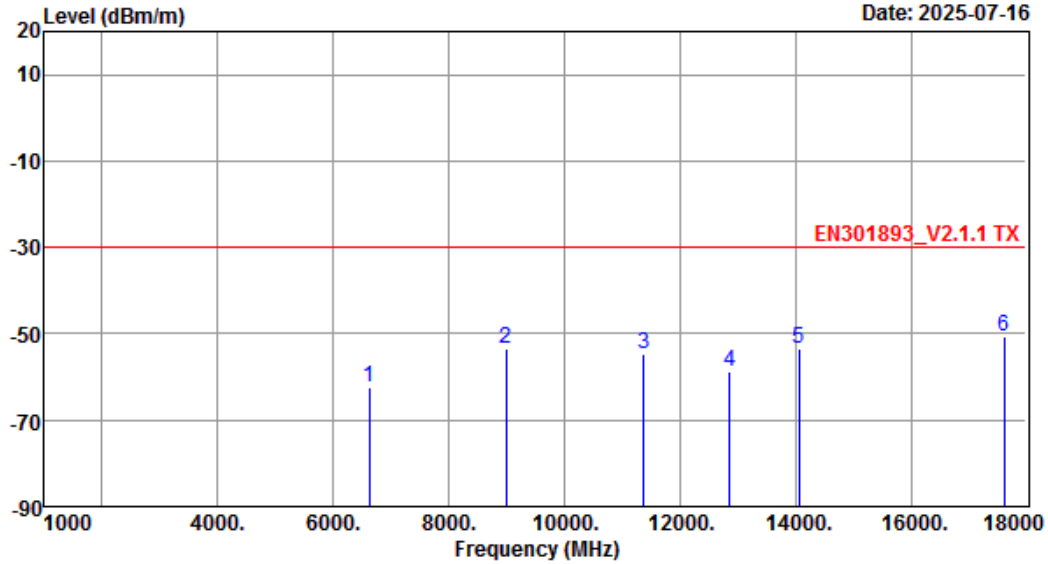
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Data: 137

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 137
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : IEEE 802.11n HT20 TX 5320MHz
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	6627.00	35.47	6.36	43.40	-72.62	11.80	-62.39	-30.00	32.39	eirp
2	8990.00	38.42	7.06	43.00	-67.75	11.80	-53.47	-30.00	23.47	eirp
3	11370.00	39.66	8.83	41.63	-73.21	11.80	-54.55	-30.00	24.55	eirp
4	12866.00	40.27	9.36	39.70	-80.49	11.80	-58.76	-30.00	28.76	eirp
5	14056.00	41.97	10.26	40.02	-77.56	11.80	-53.55	-30.00	23.55	eirp
6	17609.00	44.54	12.96	41.83	-78.16	11.80	-50.69	-30.00	20.69	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.

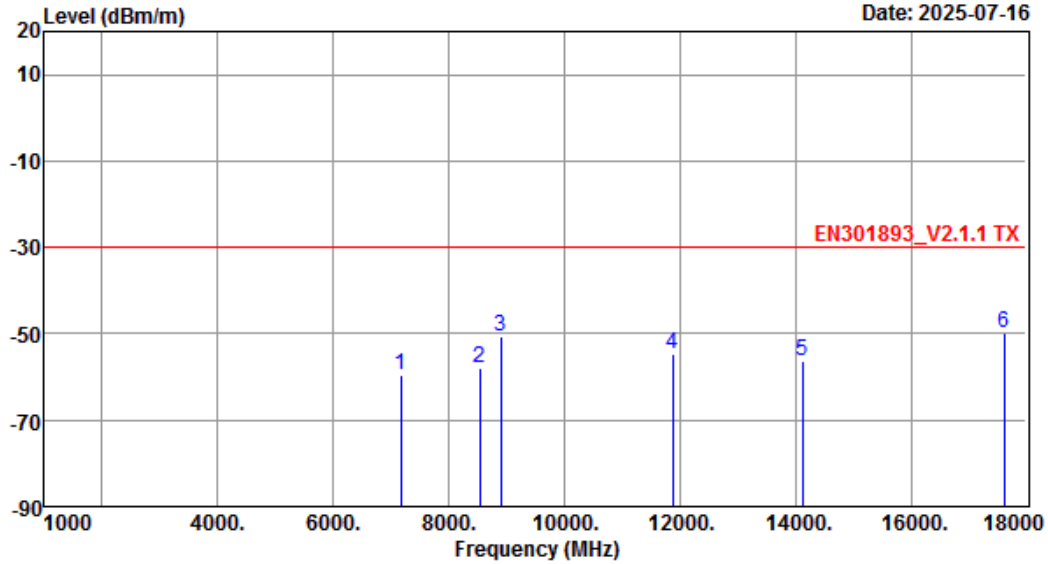
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Data: 138

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 138
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : IEEE 802.11n HT20 TX 5320MHz
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	7171.00	36.97	6.69	43.37	-71.81	11.80	-59.72	-30.00	29.72	eirp
2	8531.00	37.70	7.00	43.09	-71.41	11.80	-58.00	-30.00	28.00	eirp
3	8905.00	39.00	7.05	43.02	-65.47	11.80	-50.64	-30.00	20.64	eirp
4	11880.00	40.02	8.90	41.12	-74.32	11.80	-54.72	-30.00	24.72	eirp
5	14124.00	41.79	10.32	40.17	-80.06	11.80	-56.32	-30.00	26.32	eirp
6	17609.00	44.54	12.96	41.83	-77.49	11.80	-50.02	-30.00	20.02	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.

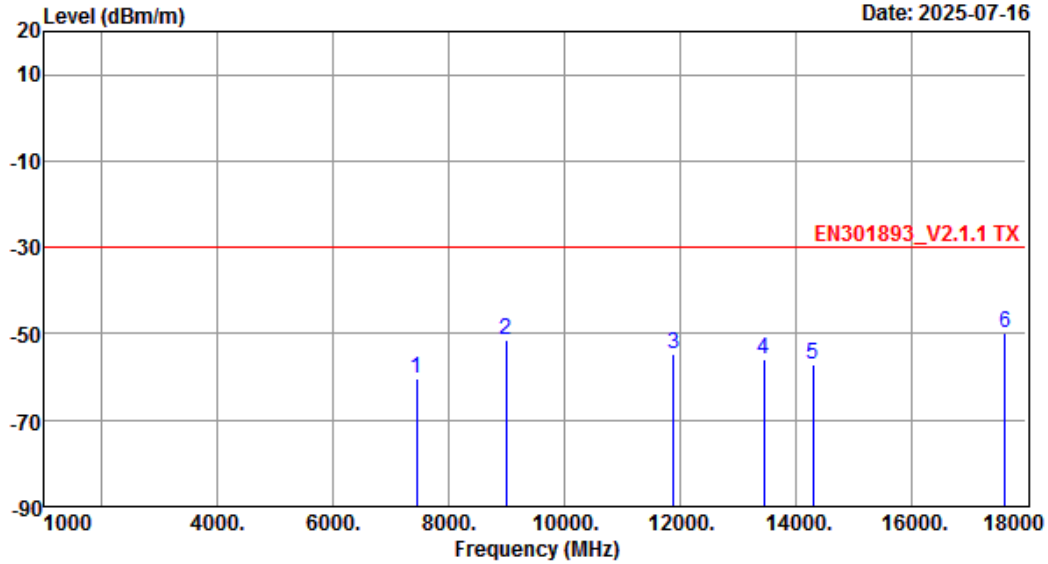
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Data: 139

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 139
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11n HT20 TX 5500MHz
 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	7443.00	36.85	6.77	43.31	-72.39	11.80	-60.28	-30.00	30.28	eirp
2	8990.00	38.42	7.06	43.00	-65.90	11.80	-51.62	-30.00	21.62	eirp
3	11897.00	40.03	8.90	41.10	-74.19	11.80	-54.56	-30.00	24.56	eirp
4	13461.00	41.12	9.79	39.68	-78.77	11.80	-55.74	-30.00	25.74	eirp
5	14311.00	41.31	10.47	40.60	-80.19	11.80	-57.21	-30.00	27.21	eirp
6	17626.00	44.63	12.96	41.81	-77.35	11.80	-49.77	-30.00	19.77	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.

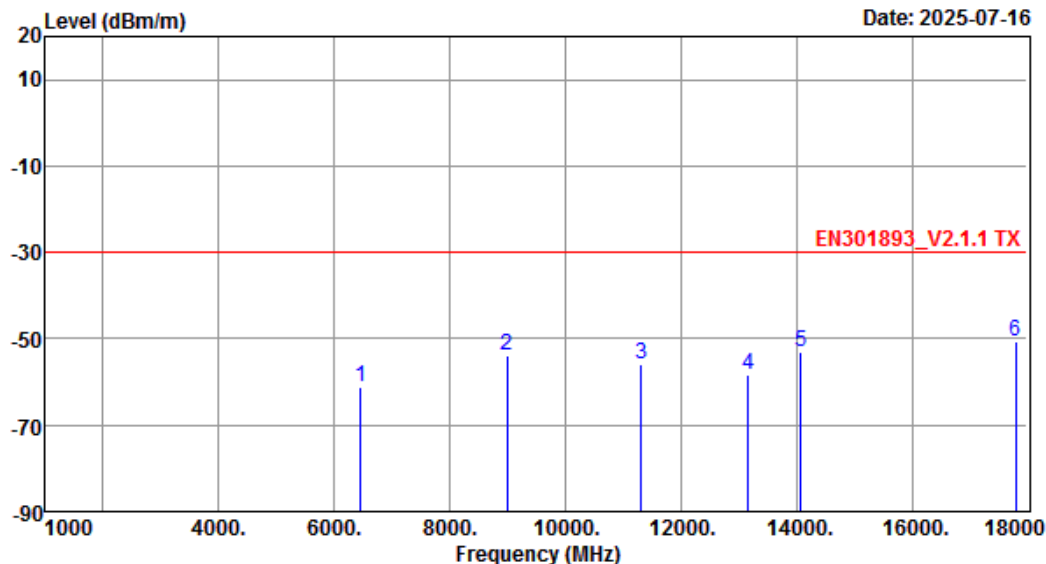
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Data: 140

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 140
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11n HT20 TX 5500MHz
 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	6457.00	35.90	6.23	43.40	-71.86	11.80	-61.33	-30.00	31.33	eirp
2	8990.00	38.42	7.06	43.00	-68.08	11.80	-53.80	-30.00	23.80	eirp
3	11319.00	39.63	8.82	41.68	-74.35	11.80	-55.78	-30.00	25.78	eirp
4	13172.00	40.61	9.56	39.57	-80.86	11.80	-58.46	-30.00	28.46	eirp
5	14073.00	41.92	10.28	40.06	-77.20	11.80	-53.26	-30.00	23.26	eirp
6	17796.00	45.52	13.00	41.62	-79.53	11.80	-50.83	-30.00	20.83	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.

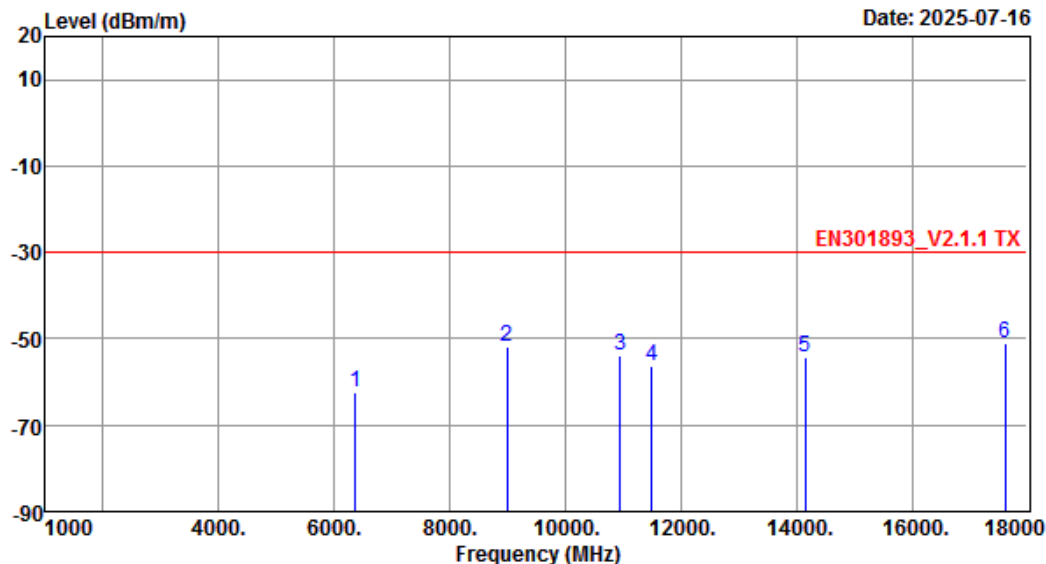
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Data: 141

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 141
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11n HT20 TX 5700MHz
 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	6372.00	35.13	6.16	43.40	-72.23	11.80	-62.54	-30.00	32.54	eirp
2	8990.00	38.42	7.06	43.00	-66.27	11.80	-51.99	-30.00	21.99	eirp
3	10945.00	39.41	8.74	42.04	-71.94	11.80	-54.03	-30.00	24.03	eirp
4	11489.00	39.74	8.84	41.51	-75.00	11.80	-56.13	-30.00	26.13	eirp
5	14158.00	41.70	10.35	40.25	-78.04	11.80	-54.44	-30.00	24.44	eirp
6	17609.00	44.54	12.96	41.83	-78.34	11.80	-50.87	-30.00	20.87	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.

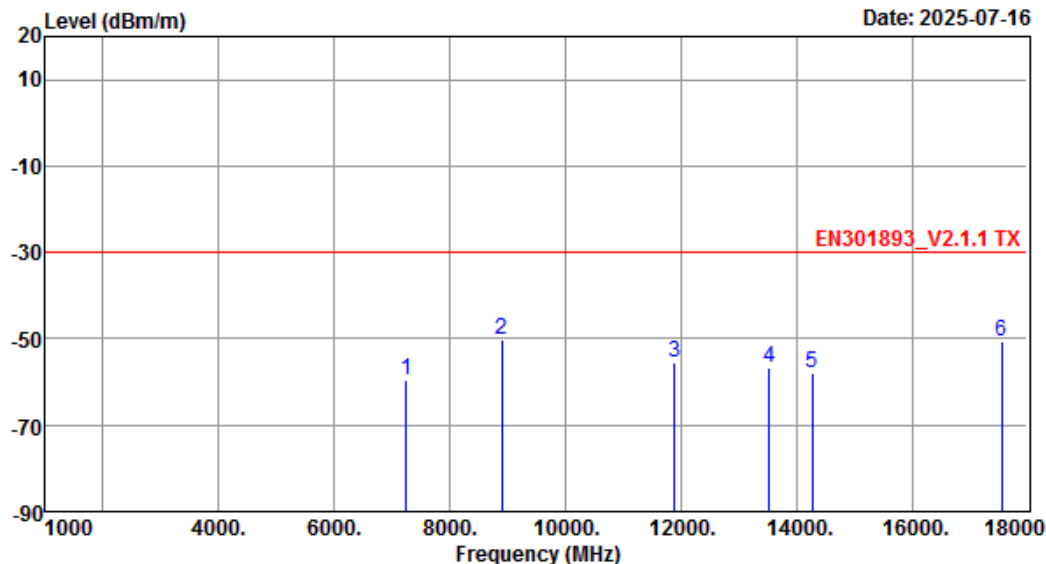
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Data: 142

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 142
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11n HT20 TX 5700MHz
 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	7239.00	36.80	6.71	43.35	-71.66	11.80	-59.70	-30.00	29.70	eirp
2	8905.00	39.00	7.05	43.02	-65.12	11.80	-50.29	-30.00	20.29	eirp
3	11897.00	40.03	8.90	41.10	-75.09	11.80	-55.46	-30.00	25.46	eirp
4	13529.00	41.25	9.85	39.71	-79.98	11.80	-56.79	-30.00	26.79	eirp
5	14277.00	41.39	10.44	40.52	-80.99	11.80	-57.88	-30.00	27.88	eirp
6	17558.00	44.27	12.95	41.88	-77.71	11.80	-50.57	-30.00	20.57	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.

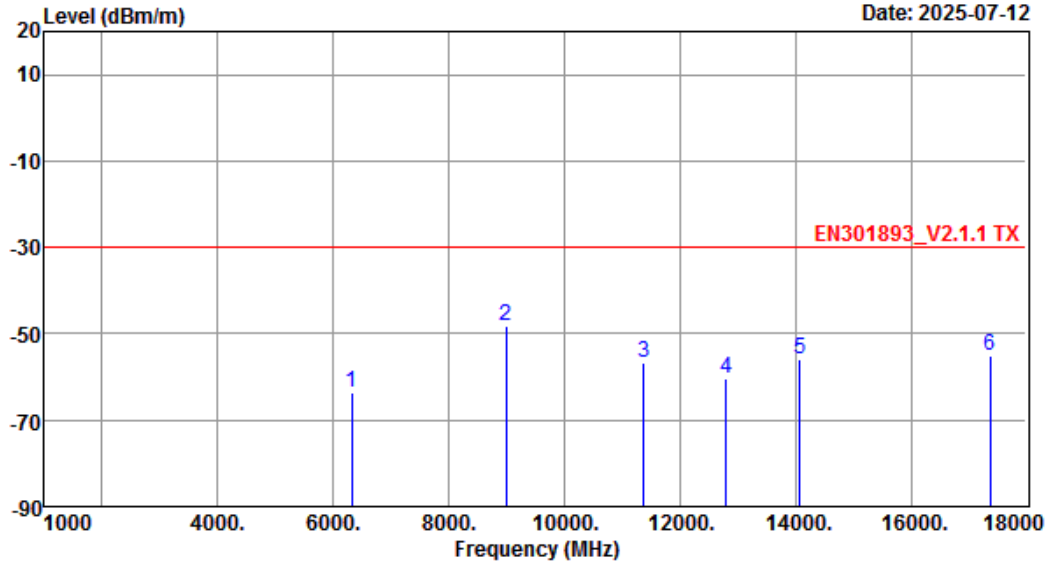
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Data: 97

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 97
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : IEEE 802.11ax HE20 TX 5180MHz
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	6321.00	34.28	6.12	43.40	-72.53	11.80	-63.73	-30.00	33.73	eirp
2	8990.00	38.42	7.06	43.00	-62.56	11.80	-48.28	-30.00	18.28	eirp
3	11370.00	39.66	8.83	41.63	-75.34	11.80	-56.68	-30.00	26.68	eirp
4	12798.00	40.26	9.33	39.81	-82.04	11.80	-60.46	-30.00	30.46	eirp
5	14073.00	41.92	10.28	40.06	-80.01	11.80	-56.07	-30.00	26.07	eirp
6	17371.00	43.12	12.91	42.09	-81.01	11.80	-55.27	-30.00	25.27	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.

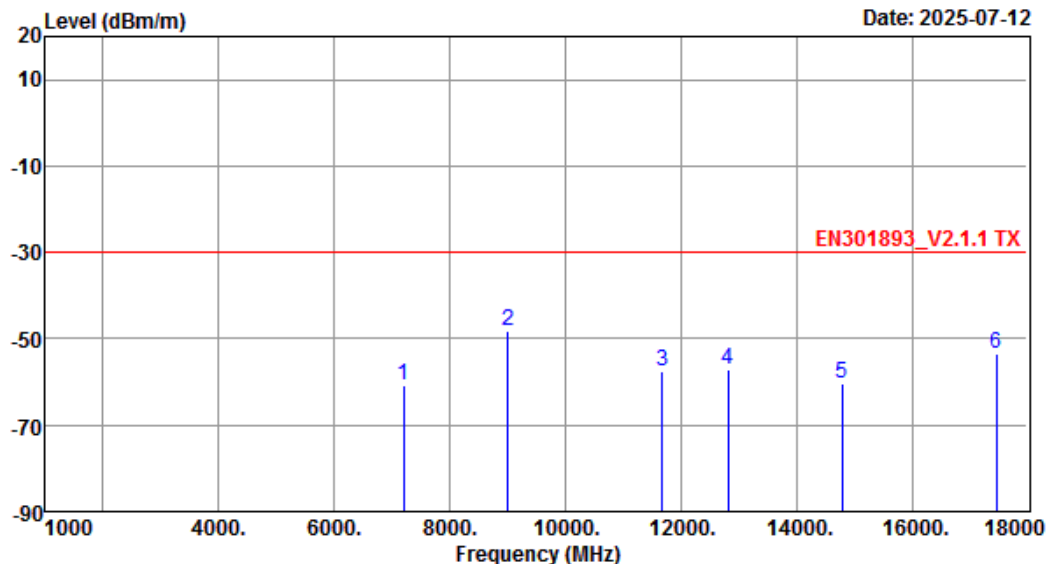
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Data: 98

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 98
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11ax HE20 TX 5180MHz
 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	7205.00	37.10	6.70	43.36	-73.05	11.80	-60.81	-30.00	30.81	eirp
2	9007.00	38.30	7.06	43.00	-62.29	11.80	-48.13	-30.00	18.13	eirp
3	11676.00	39.87	8.87	41.32	-76.55	11.80	-57.33	-30.00	27.33	eirp
4	12815.00	40.26	9.33	39.78	-78.75	11.80	-57.14	-30.00	27.14	eirp
5	14787.00	40.07	10.86	41.69	-81.32	11.80	-60.28	-30.00	30.28	eirp
6	17456.00	43.67	12.93	42.00	-80.06	11.80	-53.66	-30.00	23.66	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.

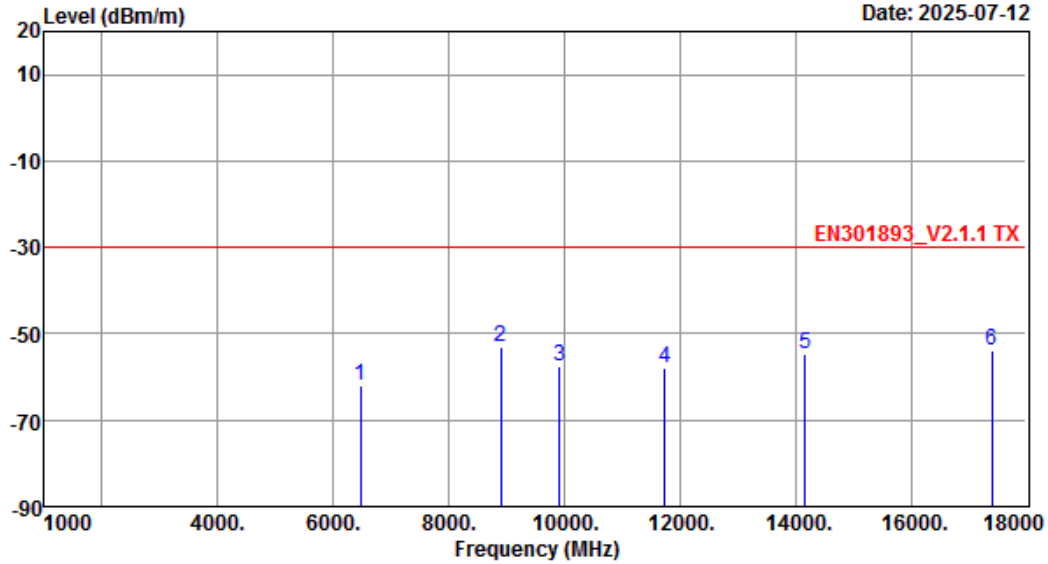
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Data: 99

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 99
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11ax HE20 TX 5320MHz
 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	6474.00	35.97	6.24	43.40	-72.69	11.80	-62.08	-30.00	32.08	eirp
2	8905.00	39.00	7.05	43.02	-67.87	11.80	-53.04	-30.00	23.04	eirp
3	9925.00	39.36	8.04	42.72	-73.89	11.80	-57.41	-30.00	27.41	eirp
4	11744.00	39.92	8.88	41.25	-77.45	11.80	-58.10	-30.00	28.10	eirp
5	14175.00	41.66	10.36	40.29	-78.38	11.80	-54.85	-30.00	24.85	eirp
6	17405.00	43.34	12.92	42.05	-80.04	11.80	-54.03	-30.00	24.03	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.

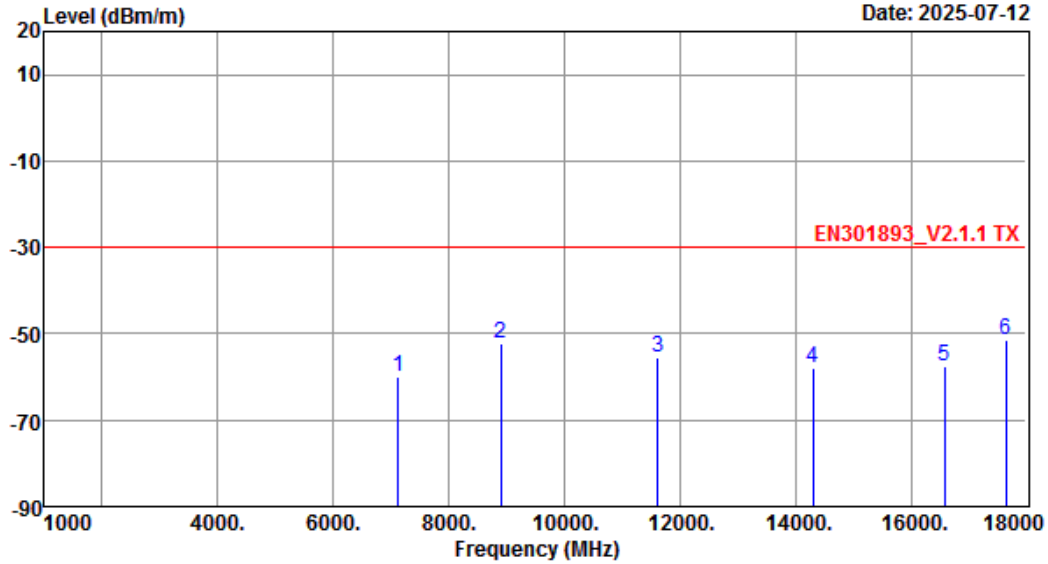
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Data: 100

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 100
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : IEEE 802.11ax HE20 TX 5320MHz
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	7120.00	36.77	6.68	43.38	-71.75	11.80	-59.88	-30.00	29.88	eirp
2	8905.00	39.00	7.05	43.02	-67.03	11.80	-52.20	-30.00	22.20	eirp
3	11625.00	39.84	8.86	41.37	-74.77	11.80	-55.64	-30.00	25.64	eirp
4	14311.00	41.31	10.47	40.60	-80.84	11.80	-57.86	-30.00	27.86	eirp
5	16589.00	39.93	12.33	42.58	-79.19	11.80	-57.71	-30.00	27.71	eirp
6	17643.00	44.72	12.97	41.79	-79.11	11.80	-51.41	-30.00	21.41	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.

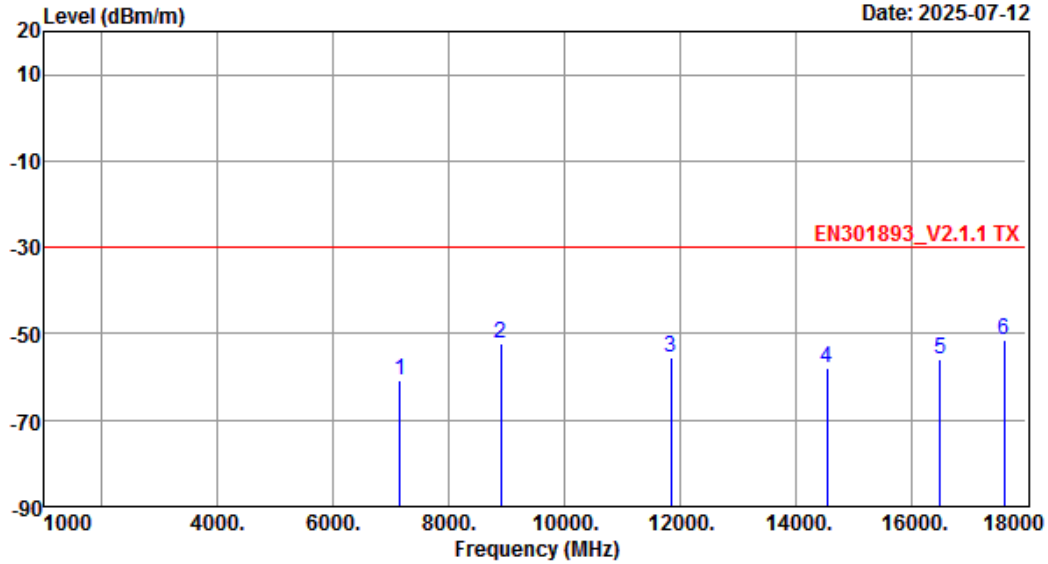
EST Technology

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Data: 101

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 101
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11ax HE20 TX 5500MHz
 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	7154.00	36.90	6.69	43.37	-72.80	11.80	-60.78	-30.00	30.78	eirp
2	8905.00	39.00	7.05	43.02	-67.08	11.80	-52.25	-30.00	22.25	eirp
3	11846.00	39.99	8.90	41.15	-75.11	11.80	-55.57	-30.00	25.57	eirp
4	14549.00	40.69	10.66	41.15	-79.86	11.80	-57.86	-30.00	27.86	eirp
5	16504.00	39.77	12.23	42.60	-76.95	11.80	-55.75	-30.00	25.75	eirp
6	17609.00	44.54	12.96	41.83	-79.05	11.80	-51.58	-30.00	21.58	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.

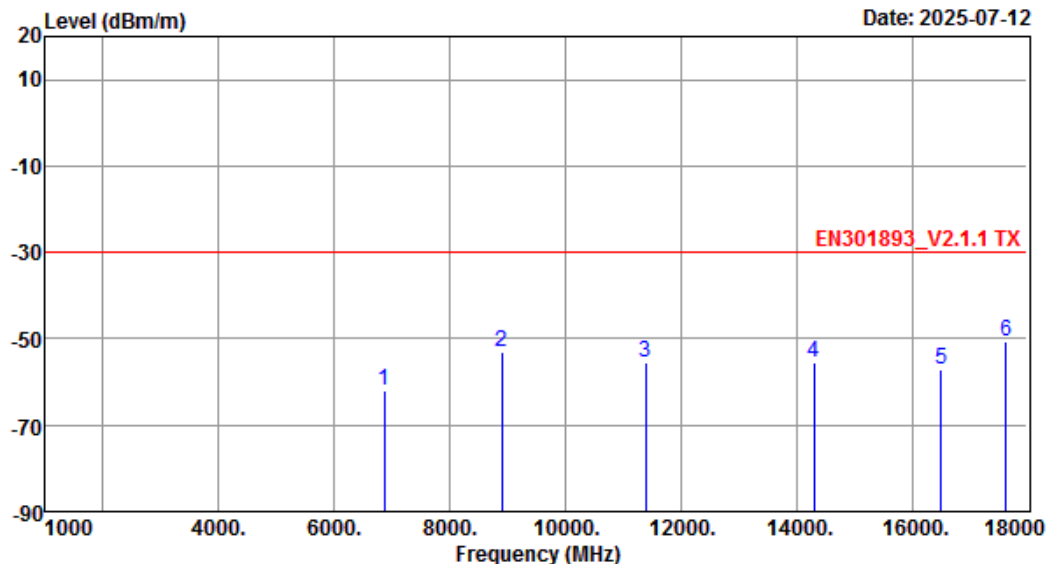
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Data: 102

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 102
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11ax HE20 TX 5500MHz
 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	6865.00	35.57	6.54	43.40	-72.68	11.80	-62.17	-30.00	32.17	eirp
2	8905.00	39.00	7.05	43.02	-67.92	11.80	-53.09	-30.00	23.09	eirp
3	11387.00	39.67	8.83	41.61	-74.25	11.80	-55.56	-30.00	25.56	eirp
4	14311.00	41.31	10.47	40.60	-78.39	11.80	-55.41	-30.00	25.41	eirp
5	16504.00	39.77	12.23	42.60	-78.40	11.80	-57.20	-30.00	27.20	eirp
6	17626.00	44.63	12.96	41.81	-78.24	11.80	-50.66	-30.00	20.66	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.

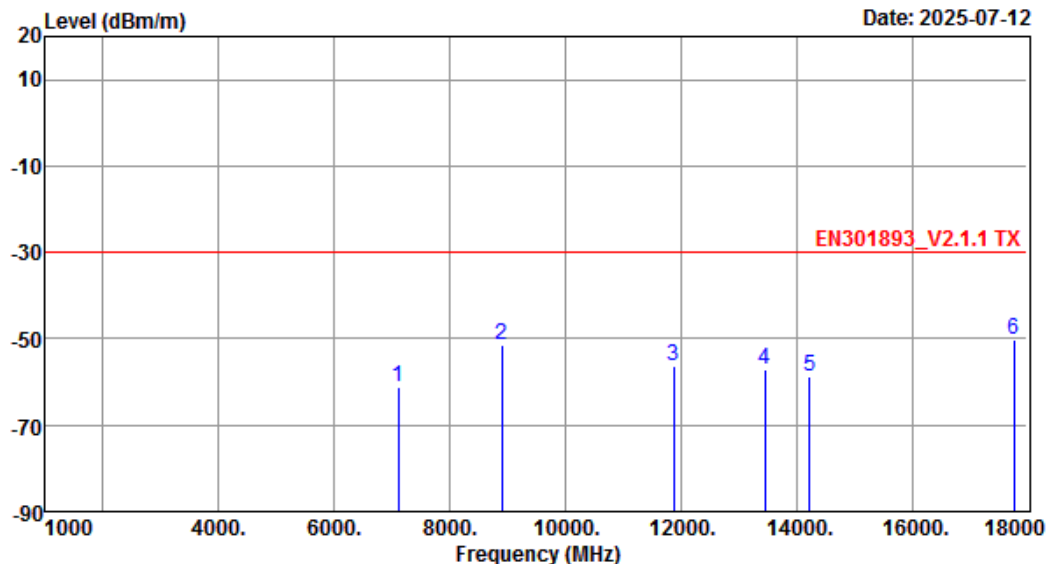
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Data: 103

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 103
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11ax HE20 TX 5700MHz
 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	7103.00	36.70	6.67	43.38	-73.03	11.80	-61.24	-30.00	31.24	eirp
2	8905.00	39.00	7.05	43.02	-66.29	11.80	-51.46	-30.00	21.46	eirp
3	11880.00	40.02	8.90	41.12	-75.76	11.80	-56.16	-30.00	26.16	eirp
4	13461.00	41.12	9.79	39.68	-80.21	11.80	-57.18	-30.00	27.18	eirp
5	14226.00	41.53	10.40	40.41	-82.19	11.80	-58.87	-30.00	28.87	eirp
6	17762.00	45.34	12.99	41.66	-78.68	11.80	-50.21	-30.00	20.21	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.

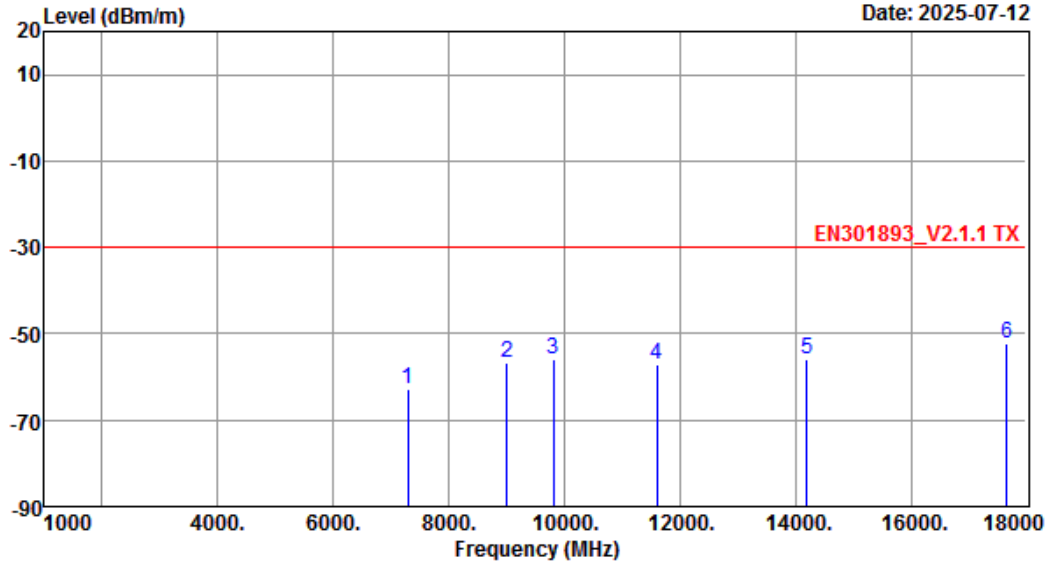
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Data: 104

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 104
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : IEEE 802.11ax HE20 TX 5700MHz
 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	7290.00	36.35	6.73	43.34	-74.33	11.80	-62.79	-30.00	32.79	eirp
2	9007.00	38.30	7.06	43.00	-70.77	11.80	-56.61	-30.00	26.61	eirp
3	9806.00	39.80	7.91	42.76	-72.85	11.80	-56.10	-30.00	26.10	eirp
4	11608.00	39.83	8.86	41.39	-76.31	11.80	-57.21	-30.00	27.21	eirp
5	14192.00	41.62	10.37	40.33	-79.21	11.80	-55.75	-30.00	25.75	eirp
6	17660.00	44.81	12.97	41.77	-80.00	11.80	-52.19	-30.00	22.19	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.

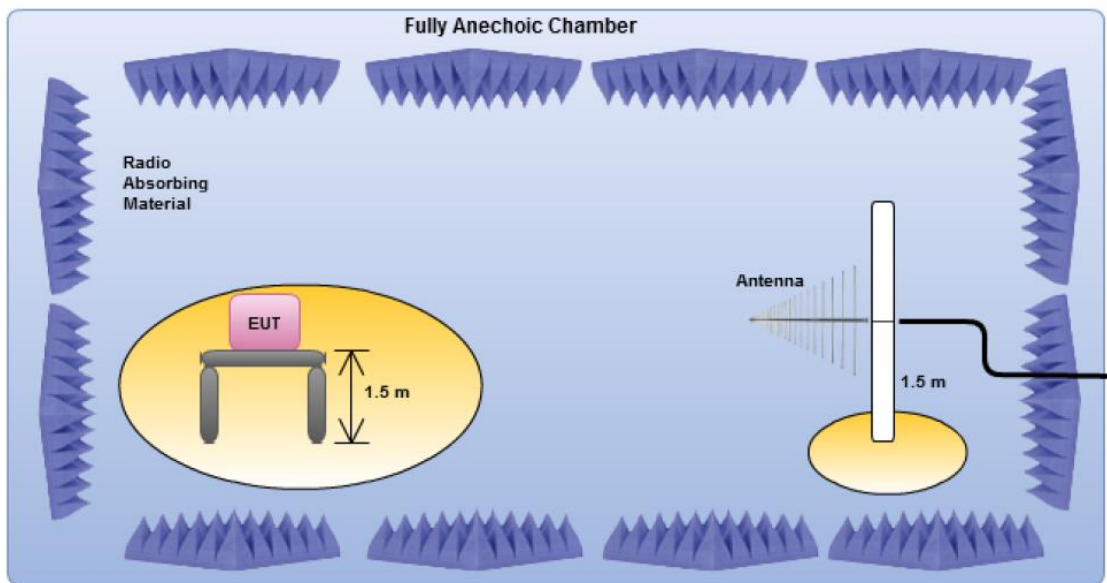
4.RECEIVER SPURIOUS EMISSIONS

4.1.Limit

Frequency Range	Maximum Power	Bandwidth
30MHz to 1GHz	-57dBm	100KHz
1GHz to 26GHz	-47dBm	1MHz

Note: These limits are e.r.p. for emissions up to 1 GHz and as e.i.r.p. for emissions above 1 GHz.

4.2.Test Setup



4.3.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.
- The measurement conditions refer to clause 5.4.7.1 of ETSI EN301 893 V2.1.1.
- The measurement procedure refers to clause 5.4.7.2.2 of ETSI EN301 893 V2.1.1.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

4.4. Test Result

30MHz to 1GHz

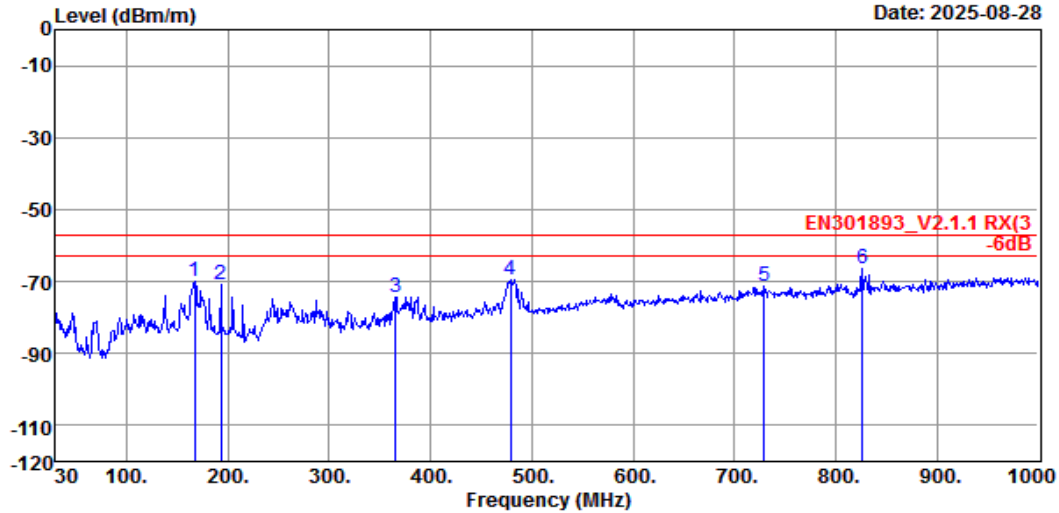
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Data: 187

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 187
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : RX Mode
WXT52M2511

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBm)	Correction Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Type
1	166.77	10.40	1.91	-91.95	9.70	-69.94	-57.00	12.94	erp
2	192.96	9.32	2.07	-91.98	9.70	-70.89	-57.00	13.89	erp
3	365.62	14.70	2.96	-101.75	9.70	-74.39	-57.00	17.39	erp
4	479.11	17.75	3.47	-100.37	9.70	-69.45	-57.00	12.45	erp
5	729.37	21.35	4.39	-106.71	9.70	-71.27	-57.00	14.27	erp
6	826.37	22.29	4.73	-103.20	9.70	-66.48	-57.00	9.48	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.

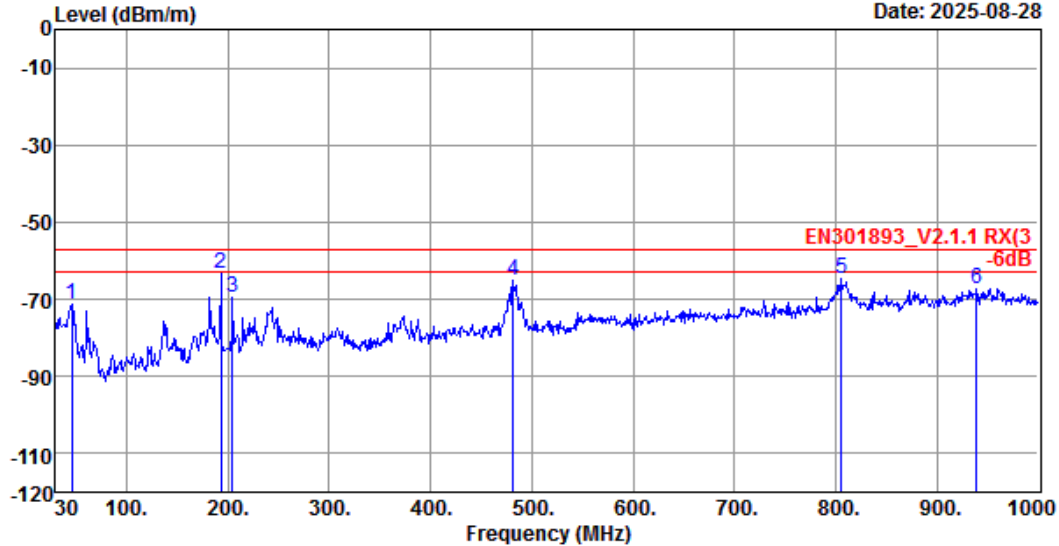
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Data: 188

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 188
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN301893_V2.1.1 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 : A4-86
Test Mode : RX Mode
WXT52M2511

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBm)	Correction Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Type
1	45.52	11.50	0.93	-93.62	9.70	-71.49	-57.00	14.49	erp
2	192.96	9.32	2.07	-84.41	9.70	-63.32	-57.00	6.32	erp
3	204.60	9.35	2.14	-90.53	9.70	-69.34	-57.00	12.34	erp
4	482.02	17.80	3.48	-96.14	9.70	-65.16	-57.00	8.16	erp
5	806.00	22.04	4.66	-101.12	9.70	-64.72	-57.00	7.72	erp
6	938.89	23.81	5.10	-105.79	9.70	-67.18	-57.00	10.18	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.

Above 1GHz

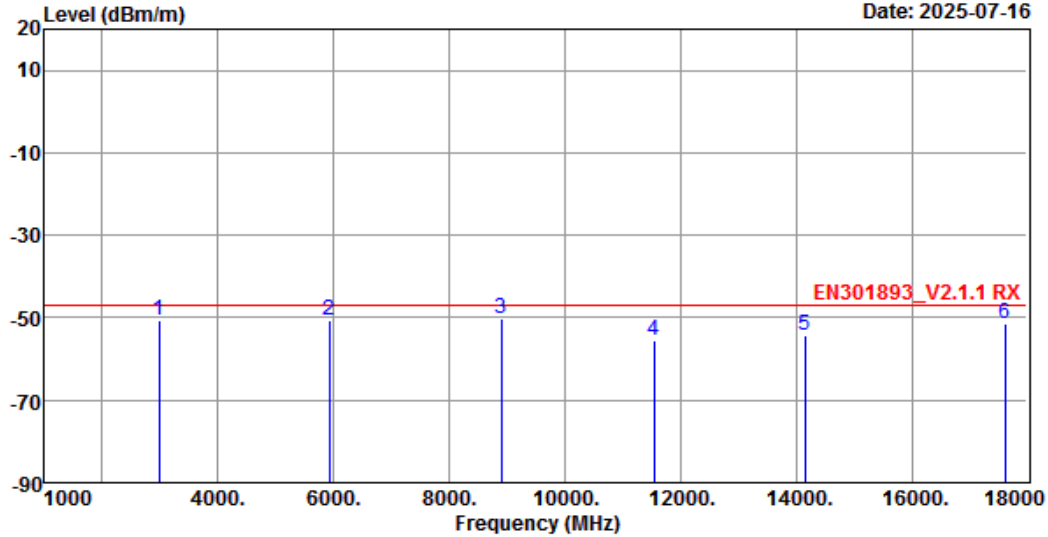
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Data: 149

File: \\EMC-966-1\test data\2025\RF\TCL王牌\A4-86.EM6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 149
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 Test Mode : RX Mode
 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	2972.00	27.93	4.01	43.44	-50.86	11.80	-50.56	-47.00	3.56	eirp
2	5930.00	33.40	5.85	43.39	-58.29	11.80	-50.63	-47.00	3.63	eirp
3	8905.00	39.00	7.05	43.02	-65.23	11.80	-50.40	-47.00	3.40	eirp
4	11540.00	39.78	8.85	41.46	-74.52	11.80	-55.55	-47.00	8.55	eirp
5	14158.00	41.70	10.35	40.25	-78.01	11.80	-54.41	-47.00	7.41	eirp
6	17609.00	44.54	12.96	41.83	-79.08	11.80	-51.61	-47.00	4.61	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.

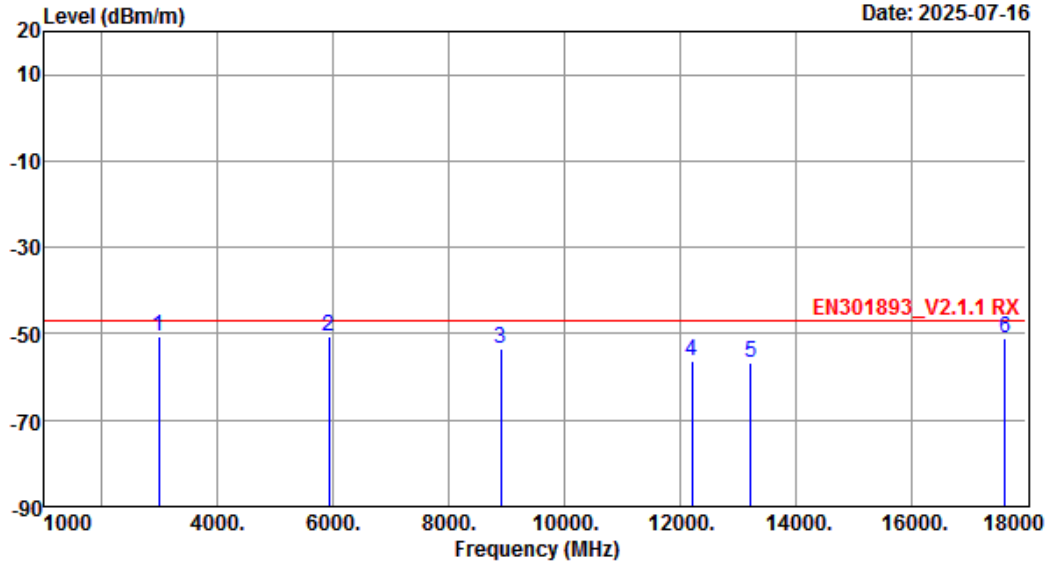
EST Technology

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Data: 150

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-86.E6 (188)

Date: 2025-07-16



Site no. : 1# 966 Chamber Data no. : 150
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN301893_V2.1.1 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 : A4-86
 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	-50.98	11.80	-50.68	-47.00	3.68	eirp
2	5930.00	33.40	5.85	43.39	-58.29	11.80	-50.63	-47.00	3.63	eirp
3	8905.00	39.00	7.05	43.02	-68.18	11.80	-53.35	-47.00	6.35	eirp
4	12203.00	40.14	9.02	40.69	-76.63	11.80	-56.36	-47.00	9.36	eirp
5	13223.00	40.70	9.60	39.59	-79.04	11.80	-56.53	-47.00	9.53	eirp
6	17626.00	44.63	12.96	41.81	-78.52	11.80	-50.94	-47.00	3.94	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.

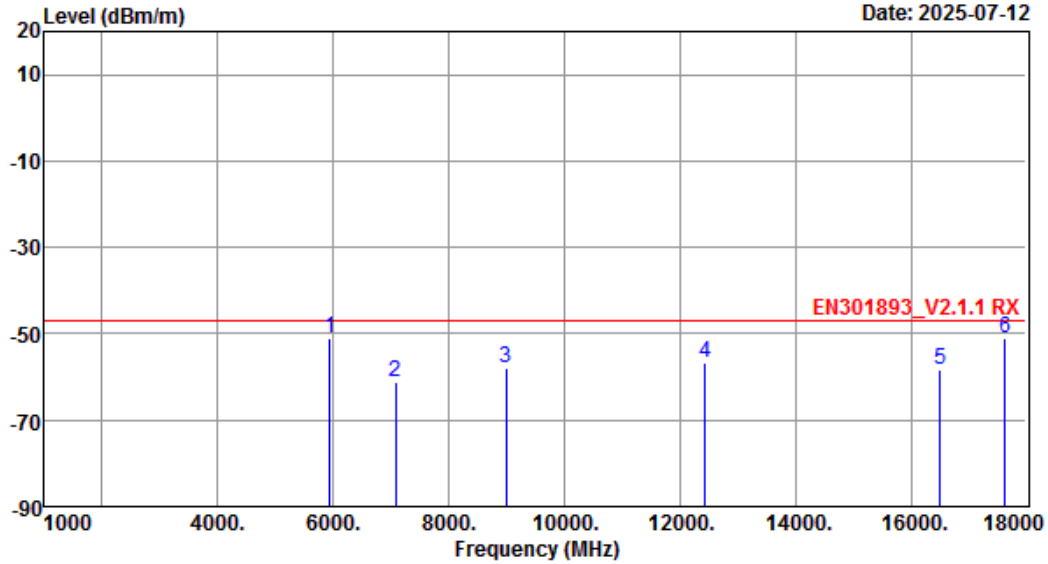
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Data: 111

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 111
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
Limit : EN301893_V2.1.1 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 : A4-86
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	5947.00	33.40	5.86	43.39	-58.55	11.80	-50.88	-47.00	3.88	eirp
2	7086.00	36.57	6.67	43.38	-72.65	11.80	-60.99	-47.00	13.99	eirp
3	8990.00	38.42	7.06	43.00	-72.06	11.80	-57.78	-47.00	10.78	eirp
4	12441.00	40.19	9.14	40.34	-77.52	11.80	-56.73	-47.00	9.73	eirp
5	16504.00	39.77	12.23	42.60	-79.46	11.80	-58.26	-47.00	11.26	eirp
6	17626.00	44.63	12.96	41.81	-78.67	11.80	-51.09	-47.00	4.09	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.

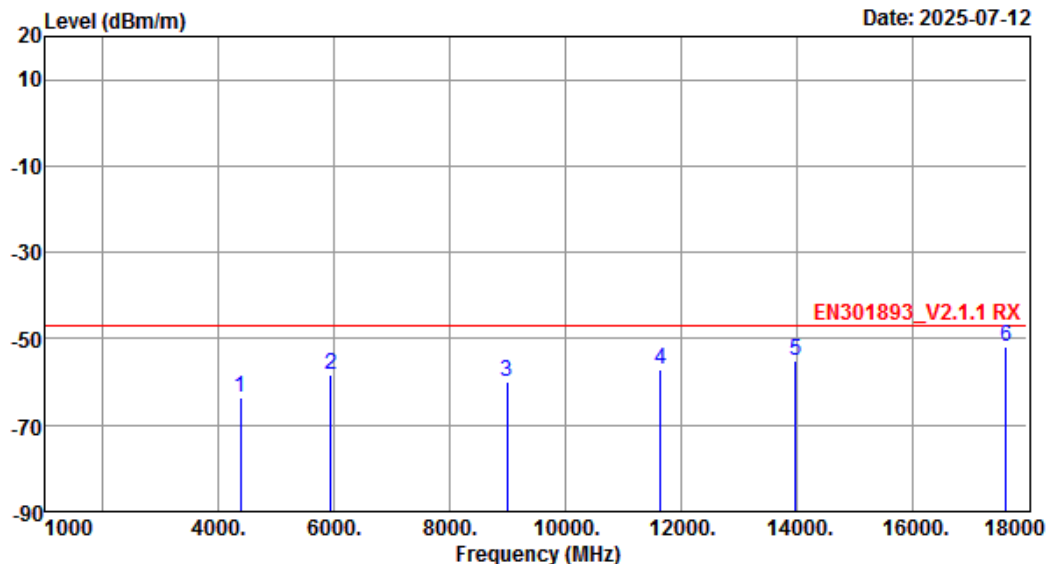
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Data: 112

File: \\EMC-966-1\test data\2025\RF\TCL王牌A4-86.EM6 (188)

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 112
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN301893_V2.1.1 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 : A4-86
 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	4383.00	31.32	5.06	43.32	-68.27	11.80	-63.41	-47.00	16.41	eirp
2	5947.00	33.40	5.86	43.39	-65.81	11.80	-58.14	-47.00	11.14	eirp
3	8990.00	38.42	7.06	43.00	-74.22	11.80	-59.94	-47.00	12.94	eirp
4	11642.00	39.85	8.87	41.36	-76.48	11.80	-57.32	-47.00	10.32	eirp
5	13988.00	42.07	10.21	39.89	-79.15	11.80	-54.96	-47.00	7.96	eirp
6	17626.00	44.63	12.96	41.81	-79.46	11.80	-51.88	-47.00	4.88	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

5.1. Setup for Transmitter & Receiver Spurious Emissions

Below 1GHz



Above 1GHz



6.EUT PHOTO

Refer to report no. ESTE-R2507203

End of Test Report