

ETSI EN300 328 RADIO TEST REPORT

For

i3-Technologies NV

Interactive Flat Panel Display

Model Number: A4-86

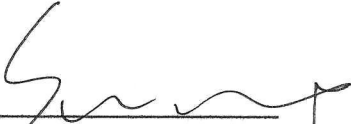
Addition Model: A4-NT-86

Applicant:	i3-Technologies NV
Address:	Kleine Schaluinweg 7, 3290 Diest, Belgium
Prepared By:	EST Technology Co., Ltd.
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Report Number:	ESTE-R2507204
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 300 328 V2.2.2: 2019-07		
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 300 328 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	:	WXT52M2511
Software Version	:	N/A
Hardware Version	:	N/A
Operation frequency	:	2402MHz~2480MHz
Number of channel	:	79
Modulation&Transmit Data Rate	:	BT BDR(1Mbps): GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8-DPSK
Operating Temperature Range	:	0°C~+45°C
Sample Type	:	Prototype production

1.2.Antenna Information

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	Internal	-	-1.77
Note: 1.The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain. 2.The test results of this report only apply to the sample as received.					

1.3.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 EN300 328				
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
1	RF Output Power	4.3.1.2 or 4.3.2.2	Apply all equipment	N/A
2	Power Spectral Density	4.3.2.3	Only for modulations other than FHSS equipment	N/A
3	Duty Cycle ,Tx-Sequence, Tx-gap	4.3.1.3 or 4.3.2.4	Only for non-adaptive equipment	N/A
4	Accumulated Transmit Time, Frequency Occupation and Hopping Sequence	4.3.1.4	Only for FHSS equipment	N/A
5	Hopping Frequency Separation	4.3.1.5	Only for FHSS equipment	N/A
6	Medium Utilization	4.3.1.6 or 4.3.2.5	Only for non-adaptive equipment	N/A
7	Adaptivity	4.3.1.7 or 4.3.2.6	Only for adaptive equipment	N/A
8	Occupied Channel Bandwidth	4.3.1.8 or 4.3.2.7	Apply all equipment	N/A
9	Transmitter unwanted emissions in the OOB domain	4.3.1.9 or 4.3.2.8	Apply all equipment	N/A
10	Transmitter unwanted emissions in the spurious domain	4.3.1.10 or 4.3.2.9	Apply all equipment	PASS
11	Receiver spurious emissions	4.3.1.11 or 4.3.2.10	Apply all equipment	PASS
12	Receiver Blocking	4.3.1.12 or 4.3.2.11	Apply all equipment	N/A
13	Geo-location capability	4.3.1.13 or 4.3.2.12	Only for equipment with geo-location capability	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 WXT52M2511 included in the device passed the RED certification, when applied to the host, Re-test RSE of BT function, all other test data refer to module test report 4791023025-1-RF-2.				

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 $k=2$.

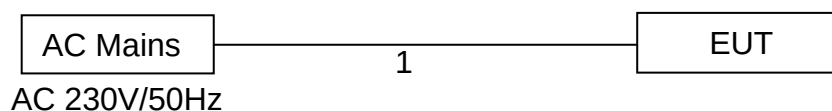
2.3.Assistant Equipment Used For Test

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 BT test mode by software prior to testing.



(EUT: Interactive Flat Panel Display)

2.5. Test Mode

Combining all the rates, modulations, and packet types, the Pre-scans had been carried out. The worst case test mode was selected for the final test as listed below.

Test Item	Modulation Type	Operating Mode	Packet Type	Test Channel
Transmitter Unwanted Emissions In The Spurious Domain	GFSK&8-DPSK	Non Hopping	DH5/3DH5	Low/ High
Receiver Spurious Emissions	GFSK&8-DPSK	Receive	-	Low/ High

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

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2403	2	2404	3	2405
4	2406	5	2407	6	2408	7	2409
8	2410	9	2411	10	2412	11	2413
12	2414	13	2415	14	2416	15	2417
16	2418	17	2419	18	2420	19	2421
20	2422	21	2423	22	2424	23	2425
24	2426	25	2427	26	2428	27	2429
28	2430	29	2431	30	2432	31	2433
32	2434	33	2435	34	2436	35	2437
36	2438	37	2439	38	2440	39	2441
40	2442	41	2443	42	2444	43	2445
44	2446	45	2447	46	2448	47	2449
48	2450	49	2451	50	2452	51	2453
52	2454	53	2455	54	2456	55	2457
56	2458	57	2459	58	2460	59	2461
60	2462	61	2463	62	2464	63	2465
64	2466	65	2467	66	2468	67	2469
68	2470	69	2471	70	2472	71	2473
72	2474	73	2475	74	2476	75	2477
76	2478	77	2479	78	2480	-	-

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 IN THE SPURIOUS DOMAIN

3.1. Applicability

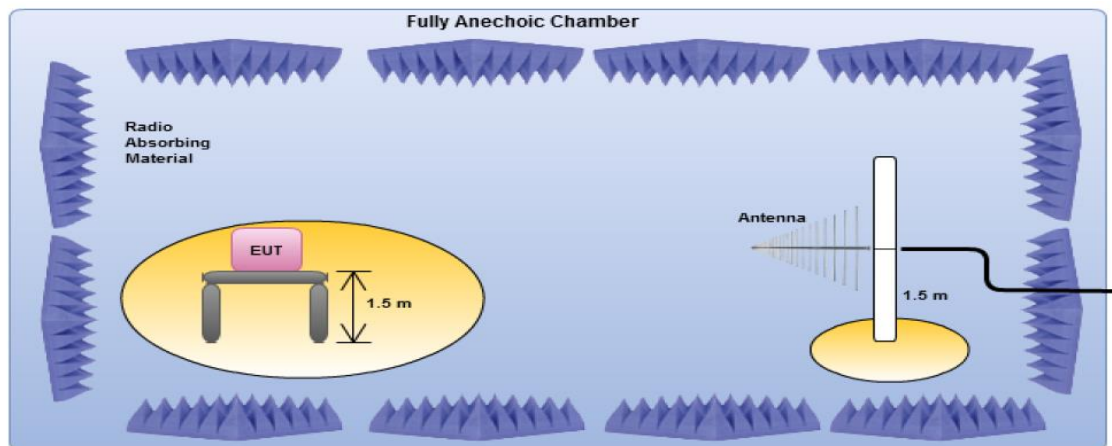
This requirement applies to all types of FHSS equipment.

3.2. 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 694MHz	-54dBm	100kHz
694MHz to 1GHz	-36dBm	100kHz
1GHz to 12,75GHz	-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.

3.3. 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 connect to a spectrum analyzer.
- Set the EUT transmit continuously with maximum output power in non hopping mode.
- The measurement procedure refer to clause 5.4.9.2.2 of ETSI EN300 328 V2.2.2.
- Repeat above procedures until low channel and high channel were measured.
- Repeat above procedures until all modulation types were measured.
- Record the results in the test report.

3.5. Test Result

30MHz to 1GHz

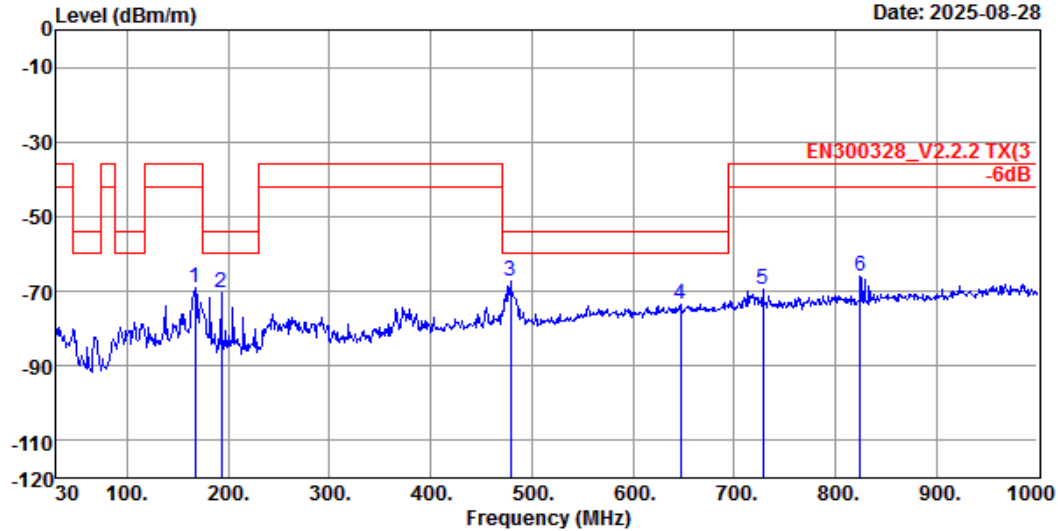
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Data: 173

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. : 173
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN300328_V2.2.2 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	-90.94	9.70	-68.93	-36.00	32.93	erp
2	192.96	9.32	2.07	-91.43	9.70	-70.34	-54.00	16.34	erp
3	479.11	17.75	3.47	-98.04	9.70	-67.12	-54.00	13.12	erp
4	646.92	20.33	4.10	-107.43	9.70	-73.30	-54.00	19.30	erp
5	728.40	21.30	4.39	-105.04	9.70	-69.65	-36.00	33.65	erp
6	824.43	22.24	4.72	-102.53	9.70	-65.87	-36.00	29.87	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.

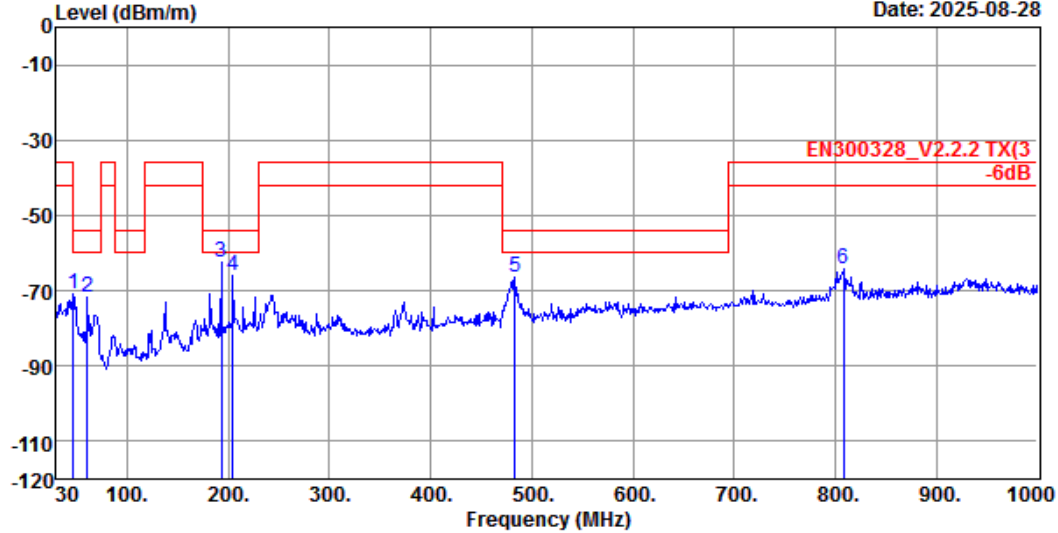
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Data: 174

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Date: 2025-08-28



Site no. : 1# 966 Chamber Data no. : 174
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN300328_V2.2.2 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
WXI52M2511

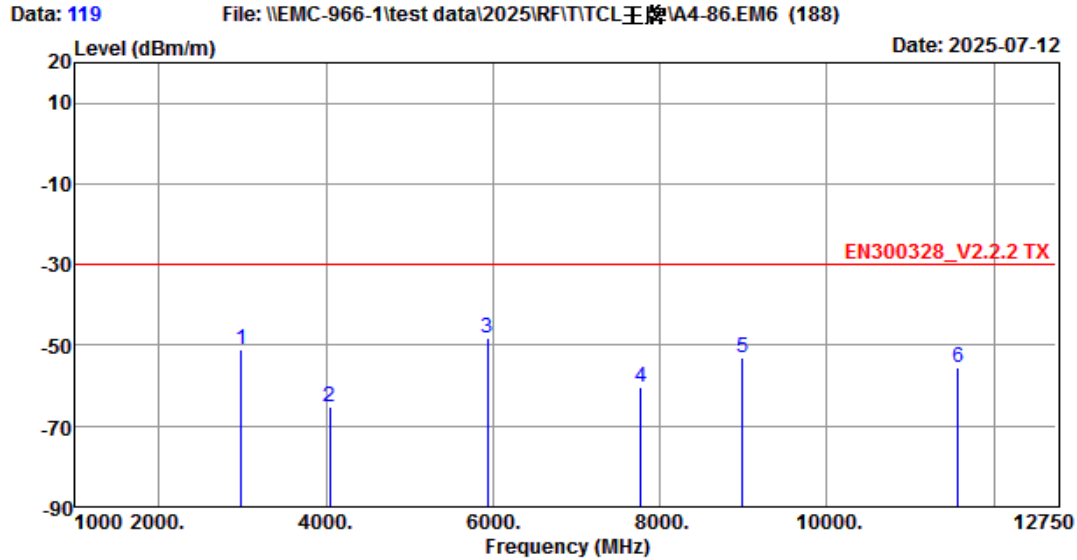
		Ant.	Cable		Correction	Emission			
	Freq.	Factor	Loss	Reading	Factor	Level	Limits	Margin	Type
	(MHz)	(dB/m)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	46.49	10.50	0.94	-91.82	9.70	-70.68	-36.00	34.68	erp
2	61.04	6.00	1.09	-88.70	9.70	-71.91	-54.00	17.91	erp
3	192.96	9.32	2.07	-83.53	9.70	-62.44	-54.00	8.44	erp
4	204.60	9.35	2.14	-87.37	9.70	-66.18	-54.00	12.18	erp
5	482.99	17.80	3.49	-97.34	9.70	-66.35	-54.00	12.35	erp
6	807.94	22.02	4.67	-100.69	9.70	-64.30	-36.00	28.30	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 1GHz

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Site no. : 1# 966 Chamber Data no. : 119
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
Limit : EN300328_V2.2.2 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 : GFSK TX 2402MHz
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	2985.75	27.87	4.02	43.42	-51.23	11.80	-50.96	-30.00	20.96	eirp
2	4043.25	30.25	4.88	43.39	-68.91	11.80	-65.37	-30.00	35.37	eirp
3	5935.00	33.40	5.85	43.39	-55.91	11.80	-48.25	-30.00	18.25	eirp
4	7768.00	36.50	6.87	43.25	-72.30	11.80	-60.38	-30.00	30.38	eirp
5	8990.00	38.42	7.06	43.00	-67.39	11.80	-53.11	-30.00	23.11	eirp
6	11575.00	39.80	8.86	41.42	-74.52	11.80	-55.48	-30.00	25.48	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.

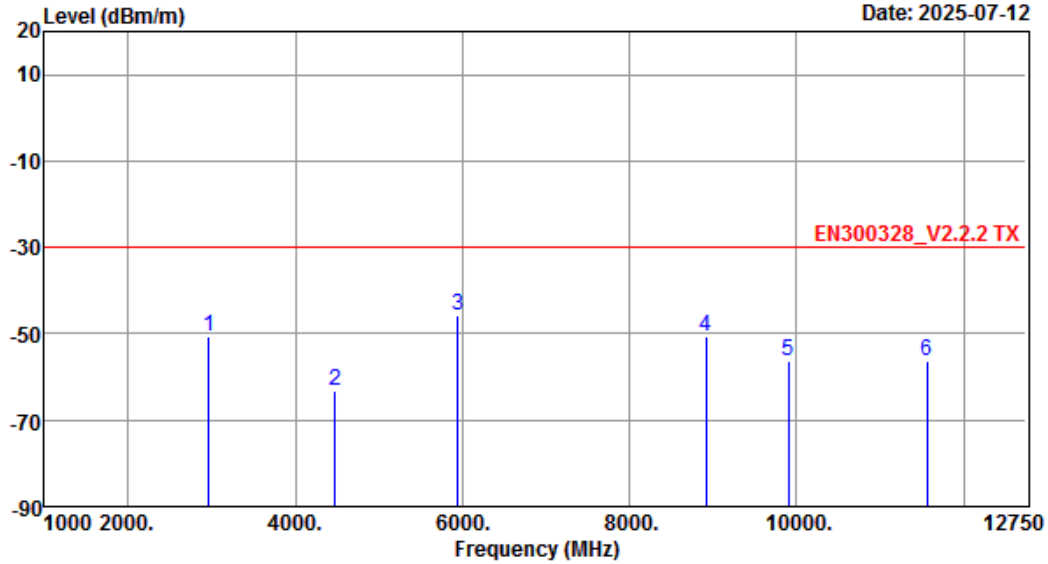
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Data: 120

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Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 120
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
Limit : EN300328_V2.2.2 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 : GFSK TX 2402MHz
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	2962.25	28.00	3.99	43.46	-50.83	11.80	-50.50	-30.00	20.50	eirp
2	4478.00	30.80	5.12	43.30	-67.59	11.80	-63.17	-30.00	33.17	eirp
3	5946.75	33.40	5.86	43.39	-53.29	11.80	-45.62	-30.00	15.62	eirp
4	8919.50	38.88	7.05	43.02	-65.31	11.80	-50.60	-30.00	20.60	eirp
5	9906.50	39.30	8.02	42.73	-72.78	11.80	-56.39	-30.00	26.39	eirp
6	11563.25	39.79	8.85	41.44	-75.11	11.80	-56.11	-30.00	26.11	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.

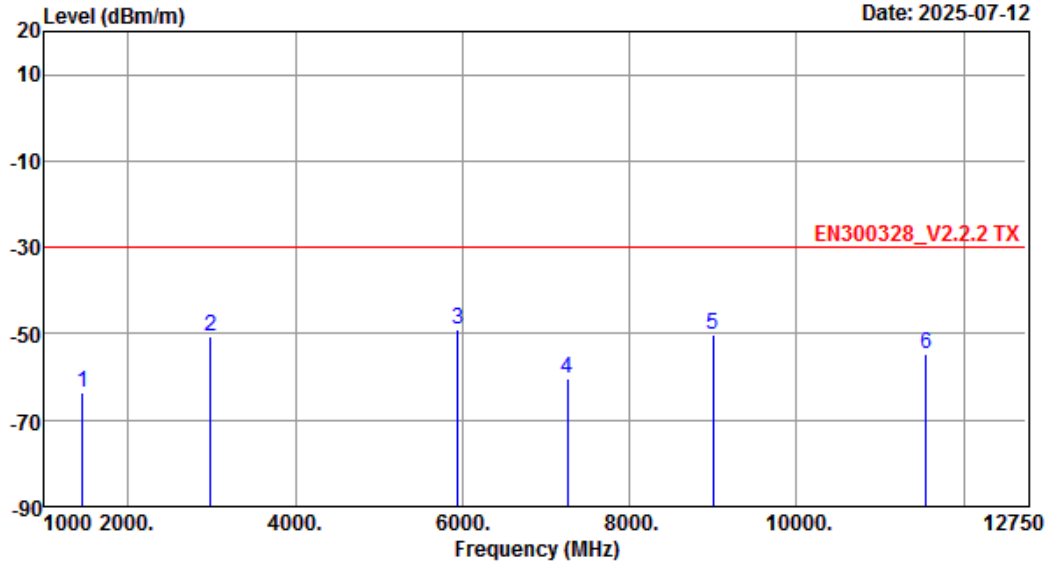
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Data: 121

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. : 121
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN300328_V2.2.2 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 : GFSK TX 2480MHz
 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	1458.25	25.90	2.65	45.31	-58.73	11.80	-63.69	-30.00	33.69	eirp
2	2985.75	27.87	4.02	43.42	-50.95	11.80	-50.68	-30.00	20.68	eirp
3	5946.75	33.40	5.86	43.39	-56.60	11.80	-48.93	-30.00	18.93	eirp
4	7262.75	36.65	6.72	43.35	-72.07	11.80	-60.25	-30.00	30.25	eirp
5	9001.75	38.30	7.06	43.00	-64.57	11.80	-50.41	-30.00	20.41	eirp
6	11551.50	39.79	8.85	41.44	-73.84	11.80	-54.84	-30.00	24.84	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.

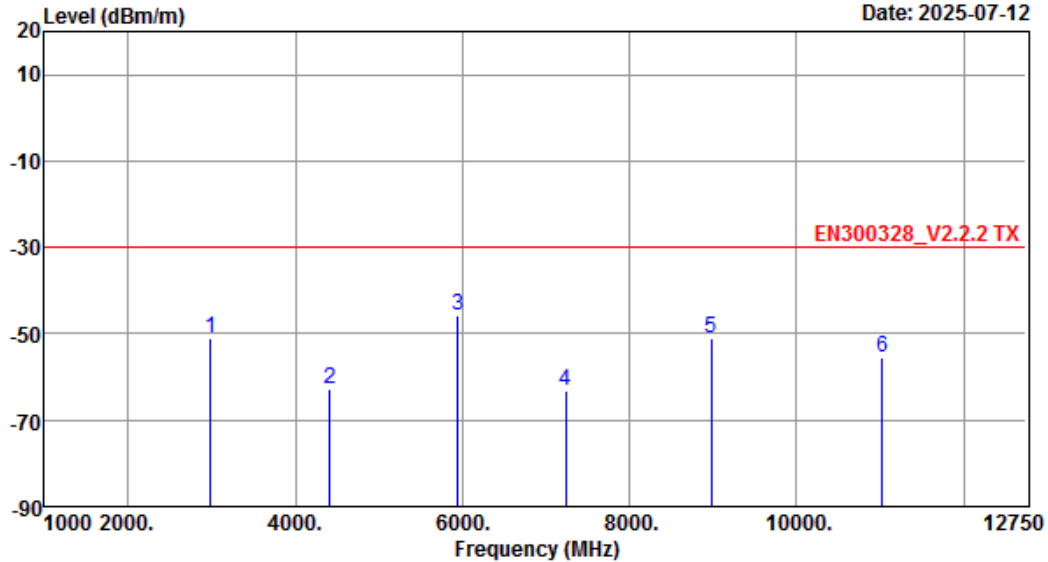
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Data: 122

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. : 122
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
Limit : EN300328_V2.2.2 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 : GFSK TX 2480MHz
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	2985.75	27.87	4.02	43.42	-51.13	11.80	-50.86	-30.00	20.86	eirp
2	4419.25	31.20	5.08	43.32	-67.49	11.80	-62.73	-30.00	32.73	eirp
3	5946.75	33.40	5.86	43.39	-53.54	11.80	-45.87	-30.00	15.87	eirp
4	7239.25	36.80	6.71	43.35	-75.00	11.80	-63.04	-30.00	33.04	eirp
5	8978.25	38.53	7.06	43.01	-65.50	11.80	-51.12	-30.00	21.12	eirp
6	11022.75	39.42	8.78	41.97	-73.41	11.80	-55.38	-30.00	25.38	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.Applicability

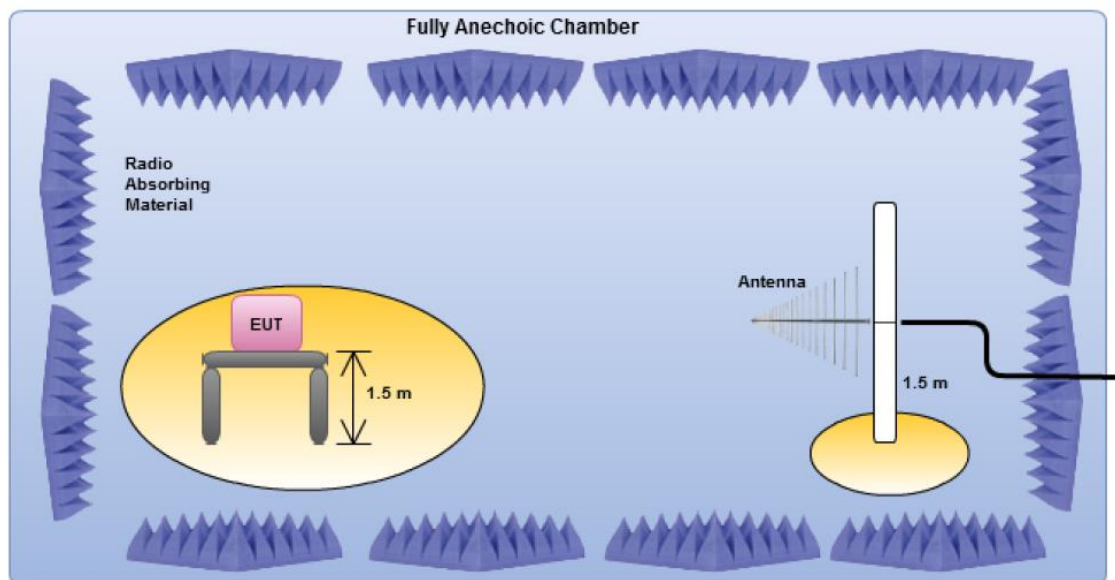
This requirement applies to all types of FHSS equipment.

4.2.Limit

Frequency Range	Maximum Power	Bandwidth
30MHz to 1GHz	-57dBm	100kHz
1GHz to 12,75GHz	-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.

4.3.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 connect to a spectrum analyzer.
- Set the EUT to receive mode.
- The measurement procedure refer to clause 5.4.10.2.2 of ETSI EN300 328 V2.2.2.
- Repeat above procedures until low channel and high channel were measured.
- Record the results in the test report.

4.5. Test Result

30MHz to 1GHz

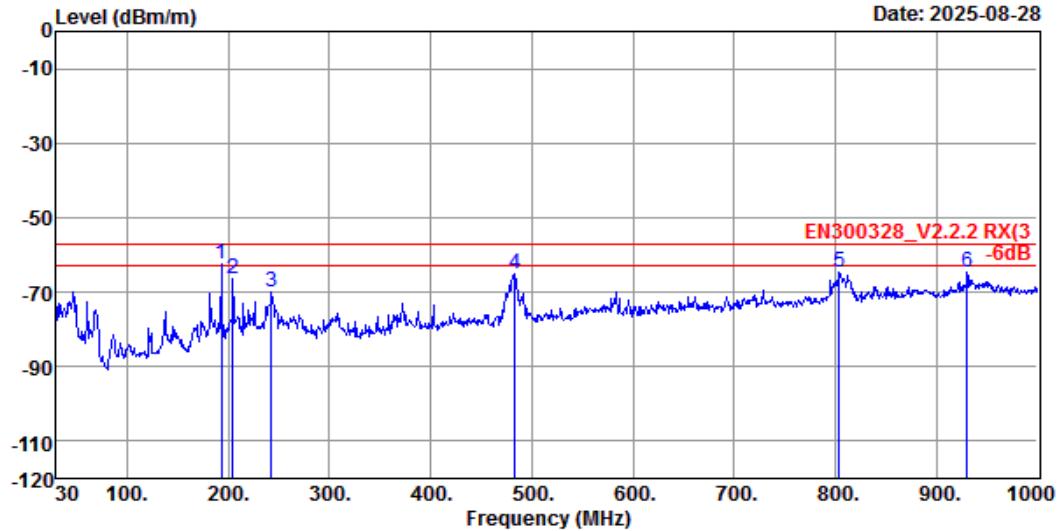
EST Technology

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Data: 175

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. : 175
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN300328_V2.2.2 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	192.96	9.32	2.07	-83.40	9.70	-62.31	-57.00	5.31	erp
2	204.60	9.35	2.14	-87.43	9.70	-66.24	-57.00	9.24	erp
3	242.43	11.48	2.34	-93.39	9.70	-69.87	-57.00	12.87	erp
4	482.99	17.80	3.49	-96.17	9.70	-65.18	-57.00	8.18	erp
5	804.06	22.06	4.65	-101.01	9.70	-64.60	-57.00	7.60	erp
6	930.16	23.90	5.08	-103.54	9.70	-64.86	-57.00	7.86	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.

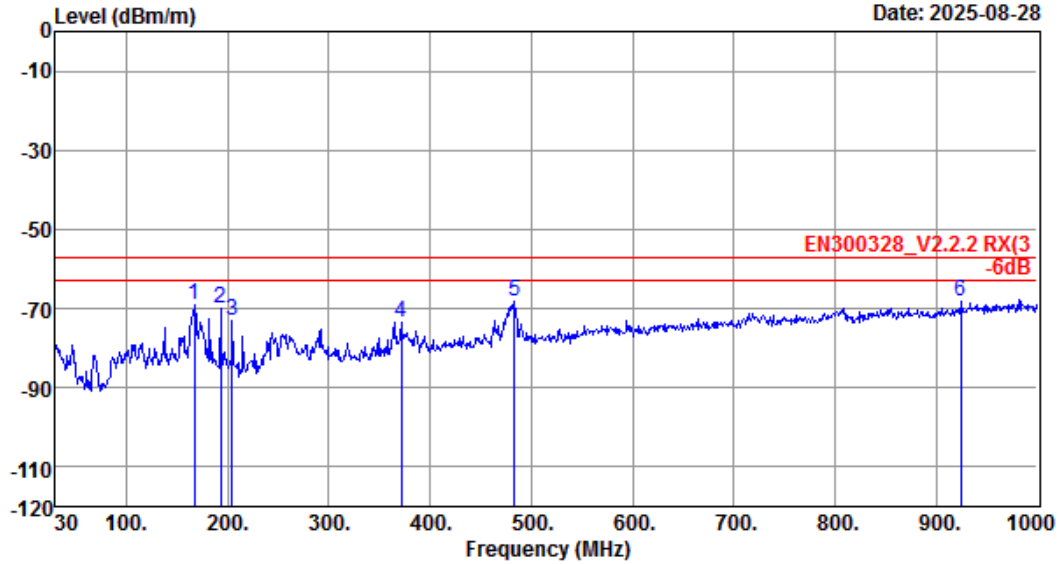
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Data: 176

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. : 176
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN300328_V2.2.2 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	-91.21	9.70	-69.20	-57.00	12.20	erp
2	192.96	9.32	2.07	-91.03	9.70	-69.94	-57.00	12.94	erp
3	204.60	9.35	2.14	-94.21	9.70	-73.02	-57.00	16.02	erp
4	371.44	14.84	2.99	-101.18	9.70	-73.65	-57.00	16.65	erp
5	482.99	17.80	3.49	-99.14	9.70	-68.15	-57.00	11.15	erp
6	924.34	23.54	5.06	-106.42	9.70	-68.12	-57.00	11.12	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

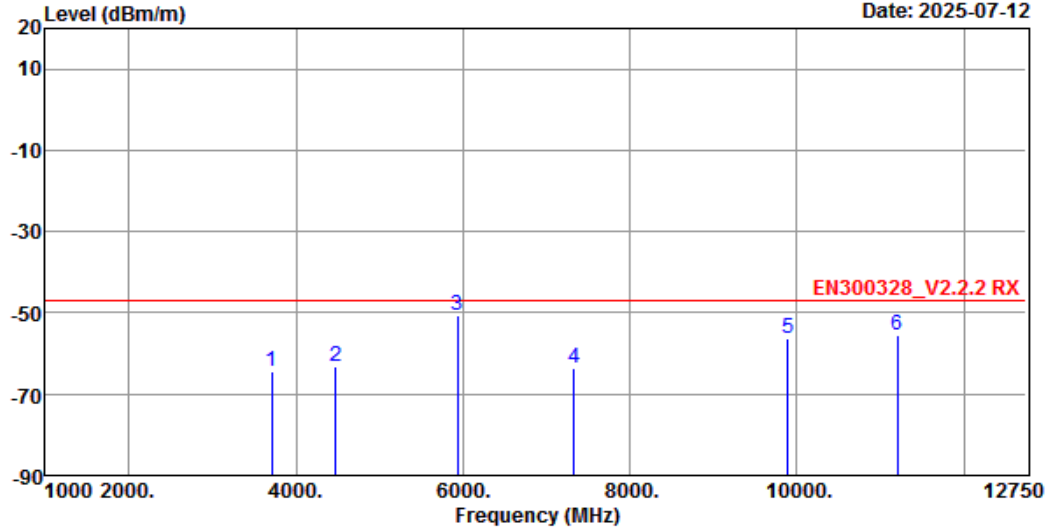
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Data: 113

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

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 113
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : EN300328_V2.2.2 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	3714.25	29.58	4.63	43.40	-67.14	11.80	-64.53	-47.00	17.53	eirp
2	4478.00	30.80	5.12	43.30	-67.54	11.80	-63.12	-47.00	16.12	eirp
3	5935.00	33.40	5.85	43.39	-58.09	11.80	-50.43	-47.00	3.43	eirp
4	7333.25	36.44	6.74	43.33	-75.36	11.80	-63.71	-47.00	16.71	eirp
5	9894.75	39.38	8.00	42.73	-72.66	11.80	-56.21	-47.00	9.21	eirp
6	11199.00	39.54	8.80	41.80	-73.82	11.80	-55.48	-47.00	8.48	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.

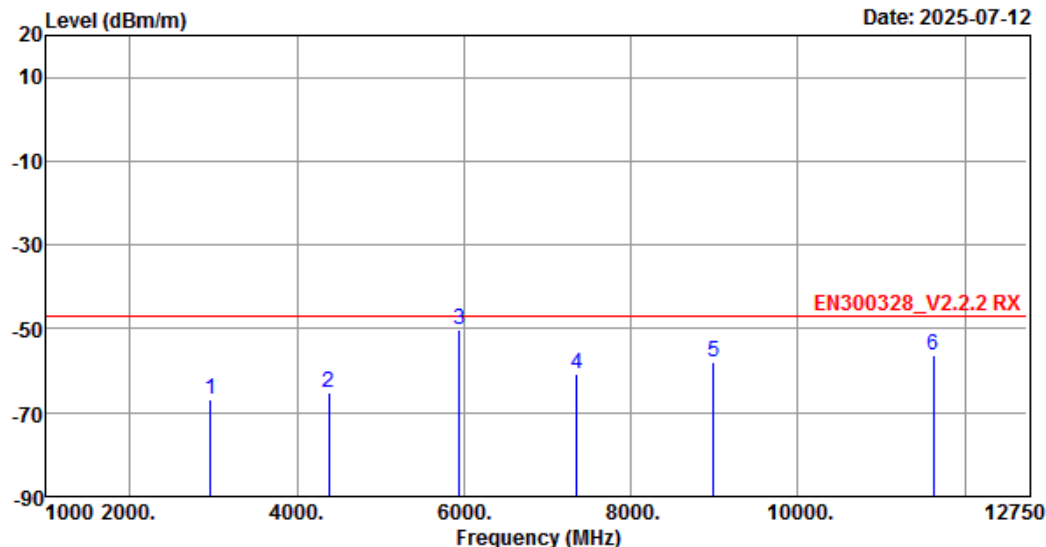
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Fax: +86-769-83081878

Data: 114

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

Date: 2025-07-12



Site no. : 1# 966 Chamber Data no. : 114
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : EN300328_V2.2.2 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	2962.25	28.00	3.99	43.46	-67.22	11.80	-66.89	-47.00	19.89	eirp	
2	4384.00	31.32	5.06	43.32	-70.14	11.80	-65.28	-47.00	18.28	eirp	
3	5946.75	33.40	5.86	43.39	-58.04	11.80	-50.37	-47.00	3.37	eirp	
4	7356.75	36.56	6.75	43.33	-72.72	11.80	-60.94	-47.00	13.94	eirp	
5	8990.00	38.42	7.06	43.00	-72.41	11.80	-58.13	-47.00	11.13	eirp	
6	11622.00	39.84	8.86	41.37	-75.47	11.80	-56.34	-47.00	9.34	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