



EMC TEST REPORT

Product Name: CrowView Note

Trade mark: /

Model No.: CrowView Note 14.0 ", CrowView Note 13.3 ", CrowView Note 15.6 "

S/N: /

Report No.: CTB24100807801E01

Applicant: Shenzhen Elecrow Limited

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Manufacturer: Shenzhen Elecrow Limited

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Sample No.: 24100807801

Date of Receipt: Oct. 11, 2024

Date of Test(s): Oct. 12, 2024~ Oct. 15, 2024

Date of Issue: Oct. 23, 2024

Test Standard(s): J55032(H29)

Test Result: Pass

In the configuration tested, the EUT complied with the standards specified above.

Compiled by:

Blake Cai

Blake Cai

Reviewed by:

Bin Mei

Bin Mei

Approved by:



Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "★" indicates the testing items were fulfilled by subcontracted lab. "※" indicates the items are not in CNAS accreditation scope.

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1. Description of version

Report No.	Issue Date	Description	Approved
CTB24100807801E01	Oct. 23, 2024	Original	Valid

2. Test summary

Emission		
Test Item	Test Method	Result
Conducted Emission	J55032(H29)	PASS
Radiated emissions at frequencies up to 1 GHz		PASS
Radiated emissions at frequencies above 1 GHz		N/A

Note: N/A is abbreviation for Not Applicable.

3. Measurement uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %

Test Item	Frequency	Expanded Uncertainty (U_{Lab})
No.1 Conducted Emission	150 kHz to 30 MHz	± 3.1 dB
No.2 Conducted Emission	150 kHz to 30 MHz	± 3.2 dB
Radiated Emission	30 MHz to 1000 MHz	± 4.1 dB
Radiated Emission	1000 MHz to 6000 MHz	± 4.8 dB

4. General information

4.1. Description of EUT

Product Name	CrowView Note
Trademark	/
Model No.	CrowView Note 14.0 "
Serial Model No.	CrowView Note 13.3 ", CrowView Note 15.6 "
Model Difference	All models are just named and appearance is different, used to distinguish different sales customers, the rest are the same. Test Sample Model: CrowView Note 14.0 ".
Rated Power	48W
Normal Testing Voltage	12V $\overline{---}$ 4A
Highest Internal Frequency	48MHz
Configuration	<input checked="" type="checkbox"/> Table-top <input type="checkbox"/> Floor-standing
Classification	<input type="checkbox"/> Class A <input checked="" type="checkbox"/> Class B
The highest frequency of the internal sources of the EUT	<input checked="" type="checkbox"/> less than 108 MHz, the measurement shall only be made up to 1 GHz. <input type="checkbox"/> between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. <input type="checkbox"/> between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. <input type="checkbox"/> above 1 GHz, the measurement shall be made up to 6 GHz.
Adapter Information	Model No.:GQ48-120400-AJ Input: AC 100-240V 50/60Hz 1.5A Max Output: 12V $\overline{---}$ 4A

Note: The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

4.2. Description of accessory device

Description	Manufacturer	Model	Specification	Note
PC	DELL	Inspiron 3670	/	<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> CTB
Mouse	DELL	KB216t	/	<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> CTB
Keyboard	DELL	MS116c	/	<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> CTB

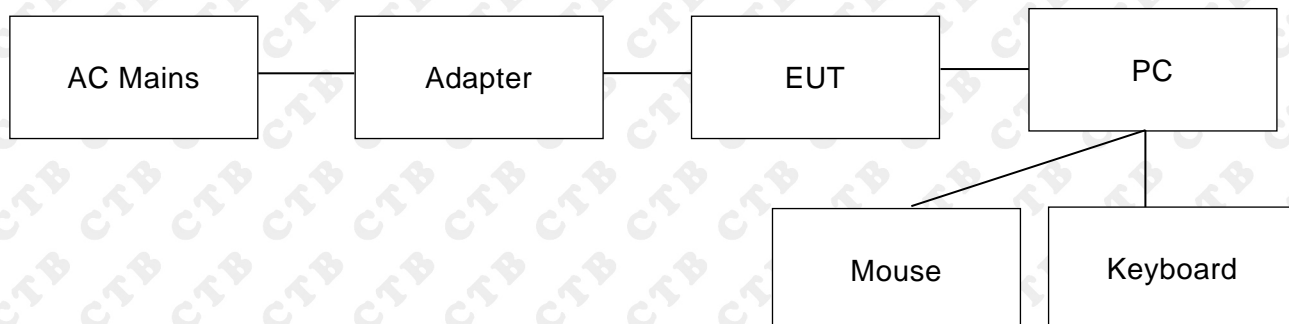
External I/O Cable

Cable Description	Shielded Type	Ferrite Core	Length(m)	Note
/	<input type="checkbox"/> Shielded <input type="checkbox"/> Non-shielded	<input type="checkbox"/> Yes <input type="checkbox"/> No	/	<input type="checkbox"/> Applicant <input type="checkbox"/> CTB

4.3. Test conditions

Temperature: 15-25°C
 Relative Humidity: 30-60 %
 Atmospheric pressure: 800hPa-1060hPa

4.4. Block diagram of EUT configuration



4.5. Operating condition of EUT

The test system was pre-tested based on the consideration of all possible combinations of EUT operation modes according to test plan. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively. All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, (*)the worst data were recorded and reported.

Pretest Test Mode	Description	Test Voltage
Mode 1*	Working	AC 100V/60Hz

Conducted emission test		
Final Test Mode	Description	Test Voltage
Mode 1*	Working	AC 100V/60Hz

Radiated emission test		
Final Test Mode	Description	Test Voltage
Mode 1*	Working	AC 100V/60Hz

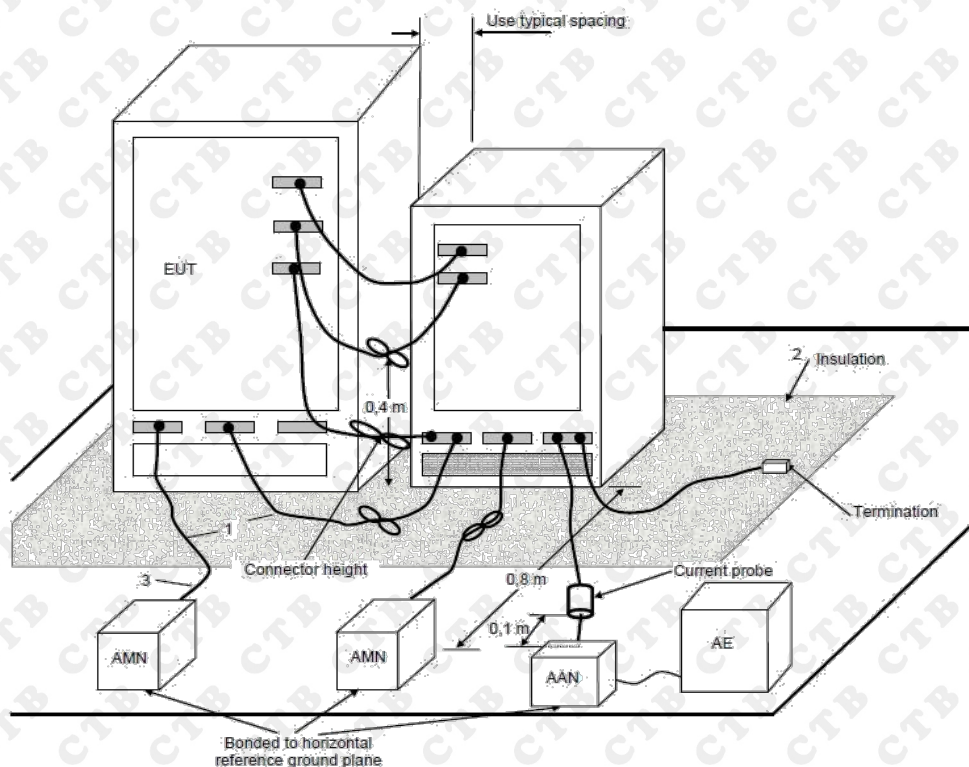
5. List of Test and Measurement Instruments

No.1 Continuous disturbance						
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated until
1	843 Shield Room	C/ R/ T	843	/	/	2027/6/21
2	LISN	ROHDE&SCHWARZ	ESH3-Z5	831551852	/	2025/6/30
3	Pulse limiter	ROHDE&SCHWARZ	ESH3-Z2	357881052	/	2025/6/28
4	EMI TEST RECEIVER	R&S	ESCI	100428	V4.42.SP3	2025/6/30
5	Coaxial cable	Agilent	UCE500-SMNM-1.5M	/	/	2025/6/30
6	ISN	Schwarzbeck	NTFM8158	183	/	2025/6/30
7	ISN	Schwarzbeck	CAT5 8158	00473	/	2025/6/23
8	Voltage Probe	Schwarzbeck	TK 9420	01189	/	2024/11/16
9	EZ-EMC	Frad	Ver/ EMC-con3A1/1	/	/	/
10	Current Probe	FCC	F-52B	199453	/	2025/5/27

Radiated emission(No.1 Chamber)						
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated until
1	966 Chamber	C/ R/ T	966	/	/	2027/6/21
2	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	01911	/	2025/7/06
3	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2025/6/29
4	Amplifier	Agilent	8449B	3008A01838	/	2025/6/30
5	Amplifier	HP	8447E	2945A02747	/	2025/6/28
6	loop antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2025/6/29
7	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESPI	100362	RF_ATTEN_7 (104489/003)	2025/6/28
8	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/6/28
9	Coaxial cable	ETS	RFC-SNS-100-N MS-80	/	/	2025/6/28
10	Coaxial cable	ETS	RFC-SN-100-NM S-20	/	/	2025/6/28
11	Coaxial cable	ETS	RFC-SNS-100-S MS-20	/	/	2025/6/28
12	Coaxial cable	ETS	RFC-NNS-100-N MS-300	/	/	2025/6/28
13	EMI test software	Frad	EZ-EMC	Ver/ FA-03A2 RE	/	/

6.1. Conducted emission

For table-top equipment



6.1.2. Limit

Requirements for conducted emissions from the AC mains power ports of Class A equipment

Frequency range MHz	Coupling device	Detector type / bandwidth	Class A limits dB(μV)
0,15 to 0,5	AMN	Quasi Peak / 9 kHz	79
0,5 to 30			73
0,15 to 0,5		Average / 9 kHz	66
0,5 to 30			60

Requirements for conducted emissions from the AC mains power ports of Class B equipment

Frequency range MHz	Coupling device	Detector type / bandwidth	Class B limits dB(μV)
0,15 to 0,5	AMN	Quasi Peak / 9 kHz	66 to 56
0,5 to 5			56
5 to 30			60
0,15 to 0,5		Average / 9 kHz	56 to 46
0,5 to 5			46
5 to 30			50

Requirements for asymmetric mode conducted emissions from Class A equipment

Frequency range MHz	Coupling device	Detector type / bandwidth	Class A limits dB(μV)
0,15 to 0,5	AAN	Quasi Peak / 9 kHz	97 to 87
0,5 to 30			87
0,15 to 0,5		Average / 9 kHz	84 to 74
0,5 to 30			74

Requirements for asymmetric mode conducted emissions from Class B equipment

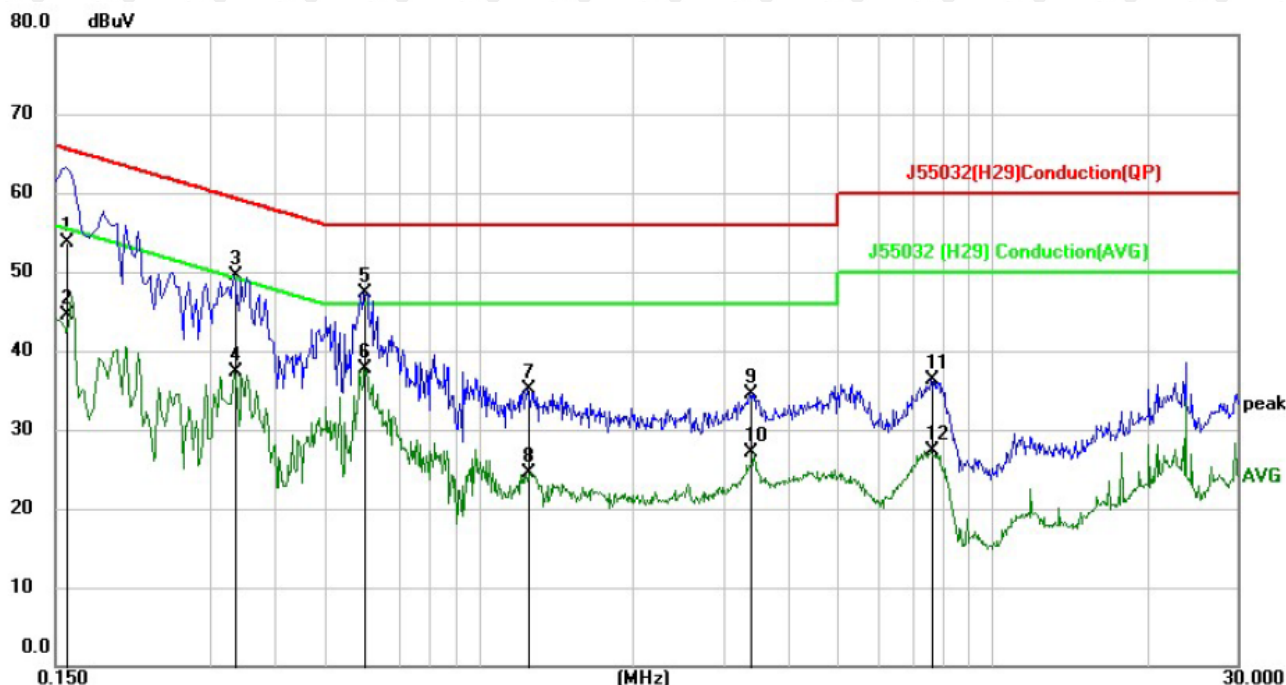
Frequency range MHz	Coupling device	Detector type / bandwidth	Class B limits dB(μV)
0,15 to 0,5	AAN	Quasi Peak / 9 kHz	84 to 74
0,5 to 30			74
0,15 to 0,5		Average / 9 kHz	74 to 64
0,5 to 30			64

6.1.3. Test procedure

1. Measurement was performed in shielded room, and instruments used were followed CISPR 16-2-1 clause 7.
2. Detailed test procedure was following clause 7 of CISPR 16-2-1.
3. Frequency range 150kHz – 30MHz was checked and EMI receiver measurement bandwidth was set to 9 kHz.

6.1.4. Test results

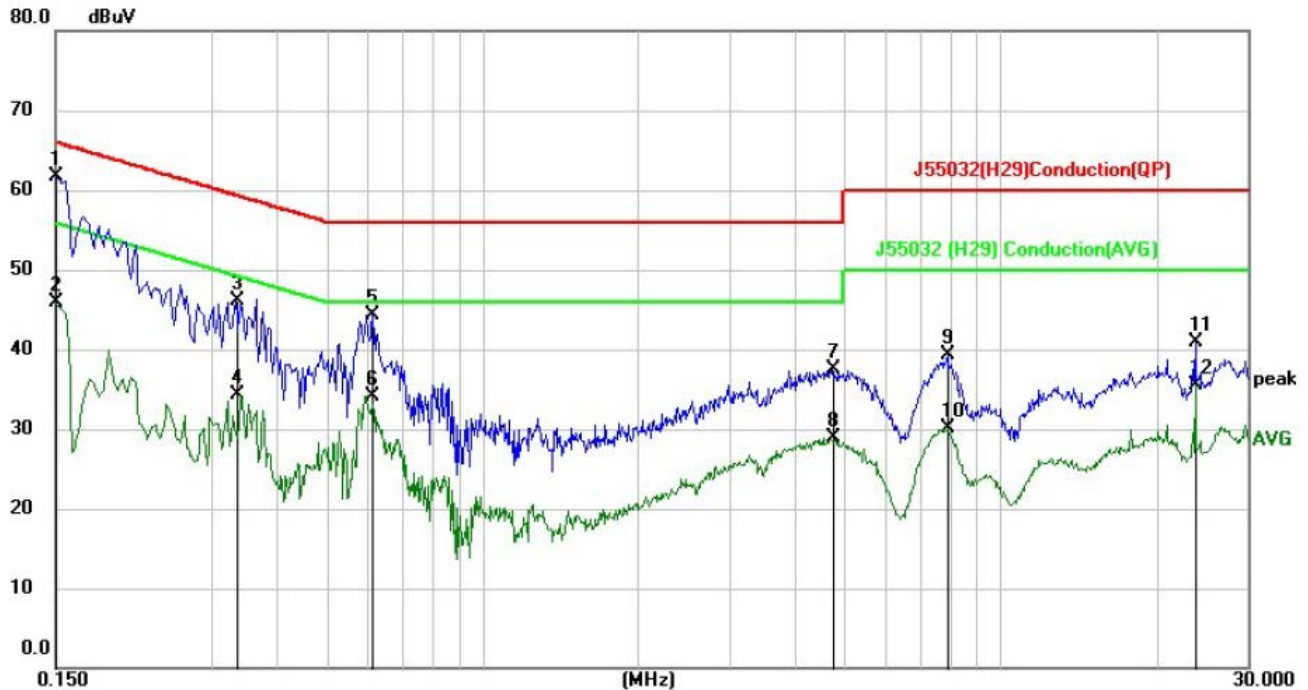
Temperature:	26°C	Relative Humidity:	54 %
Pressure:	101kPa	Phase :	Line
Test Voltage :	AC 100V/60Hz	Test Mode:	Mode 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	42.93	10.86	53.79	65.57	-11.78	QP
2		0.1580	33.66	10.86	44.52	55.57	-11.05	AVG
3		0.3339	38.83	10.62	49.45	59.35	-9.90	QP
4		0.3339	26.65	10.62	37.27	49.35	-12.08	AVG
5		0.5980	36.75	10.61	47.36	56.00	-8.64	QP
6	*	0.5980	27.15	10.61	37.76	46.00	-8.24	AVG
7		1.2460	23.95	11.10	35.05	56.00	-20.95	QP
8		1.2460	13.38	11.10	24.48	46.00	-21.52	AVG
9		3.3780	22.63	11.88	34.51	56.00	-21.49	QP
10		3.3780	15.29	11.88	27.17	46.00	-18.83	AVG
11		7.6220	23.30	13.00	36.30	60.00	-23.70	QP
12		7.6220	14.38	13.00	27.38	50.00	-22.62	AVG

Note: Result=Reading + Factor
Over Limit=Result – Limit

Temperature:	26°C	Relative Humidity:	54 %
Pressure:	101kPa	Phase :	Neutral
Test Voltage :	AC 100V/60Hz	Test Mode:	Mode 1



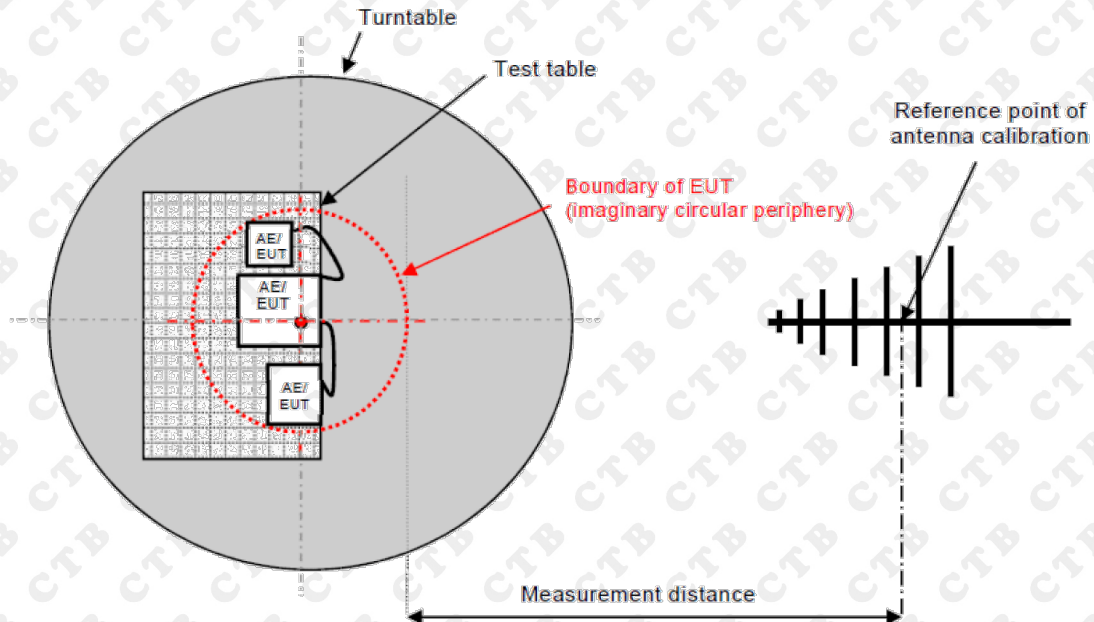
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1500	50.87	10.89	61.76	66.00	-4.24	QP
2		0.1500	34.94	10.89	45.83	56.00	-10.17	AVG
3		0.3339	35.43	10.62	46.05	59.35	-13.30	QP
4		0.3339	23.71	10.62	34.33	49.35	-15.02	AVG
5		0.6140	33.71	10.63	44.34	56.00	-11.66	QP
6		0.6140	23.43	10.63	34.06	46.00	-11.94	AVG
7		4.7300	25.28	12.18	37.46	56.00	-18.54	QP
8		4.7300	16.63	12.18	28.81	46.00	-17.19	AVG
9		7.9300	26.37	13.03	39.40	60.00	-20.60	QP
10		7.9300	17.02	13.03	30.05	50.00	-19.95	AVG
11		23.8460	26.98	13.92	40.90	60.00	-19.10	QP
12		23.8460	21.59	13.92	35.51	50.00	-14.49	AVG

Note: Result=Reading + Factor
Over Limit=Result - Limit

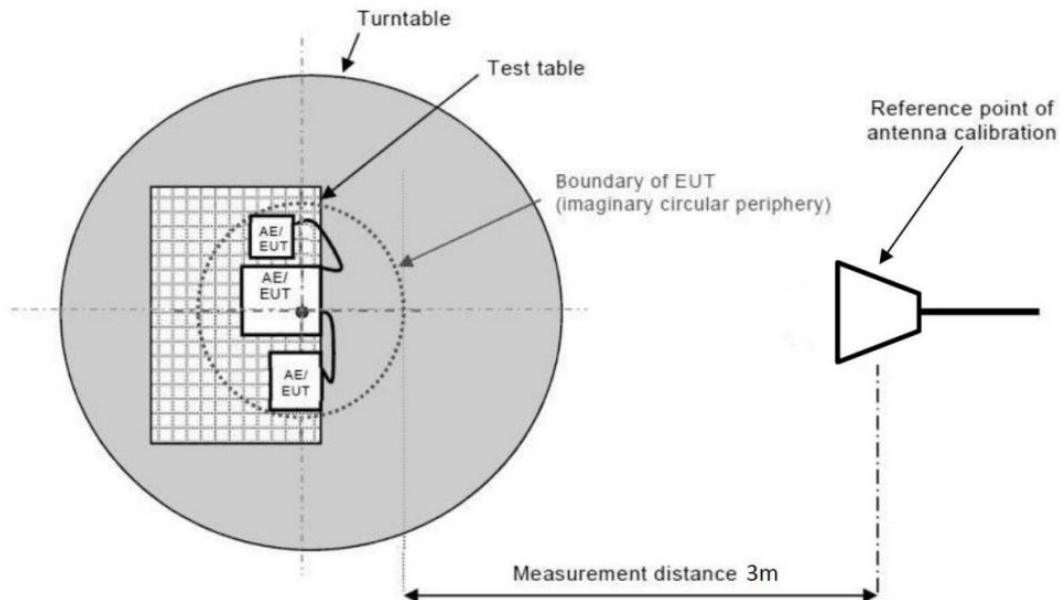
6.2. Radiated emissions

6.2.1. Block diagram of test setup

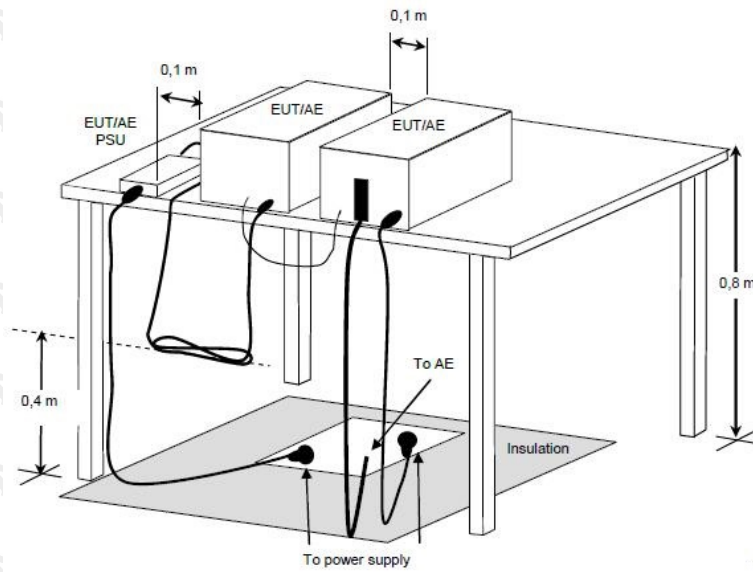
Up to 1GHz



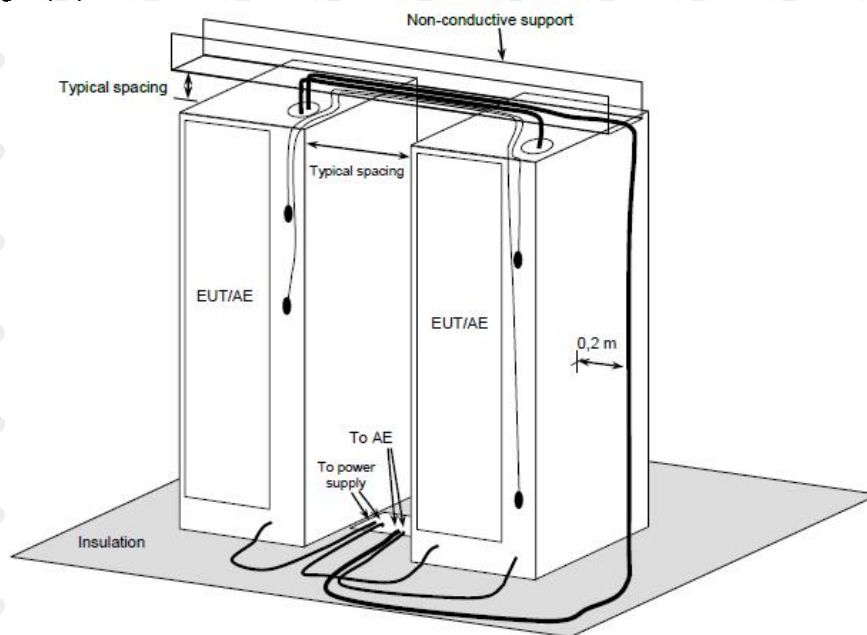
Above 1GHz:



For table-top equipment



For floor standing equipment



6.2.2. Limit

Requirements for radiated emissions at frequencies up to 1 GHz for class A equipment

Frequency range MHz	Measurement			Class B limits dB(μ V/m)
	Facility	Distance m	Detector type / bandwidth	
30 to 230	SAC	3	Quasi Peak / 120 kHz	50
230 to 1 000				57

Requirements for radiated emissions at frequencies above 1 GHz for class A equipment

Frequency range MHz	Measurement			Class B limits dB(μ V/m)
	Facility	Distance m	Detector type / bandwidth	
1 000 to 3 000	FSOATS	3	Average / 1MHz	56
3 000 to 6 000				60
1 000 to 3 000		3	Average / 1MHz	76
3 000 to 6 000				80

Requirements for radiated emissions at frequencies up to 1 GHz for class B equipment

Frequency range MHz	Measurement			Class B limits dB(μ V/m)
	Facility	Distance m	Detector type / bandwidth	
30 to 230	SAC	3	Quasi Peak / 120 kHz	40
230 to 1 000				47

Requirements for radiated emissions at frequencies above 1 GHz for class B equipment

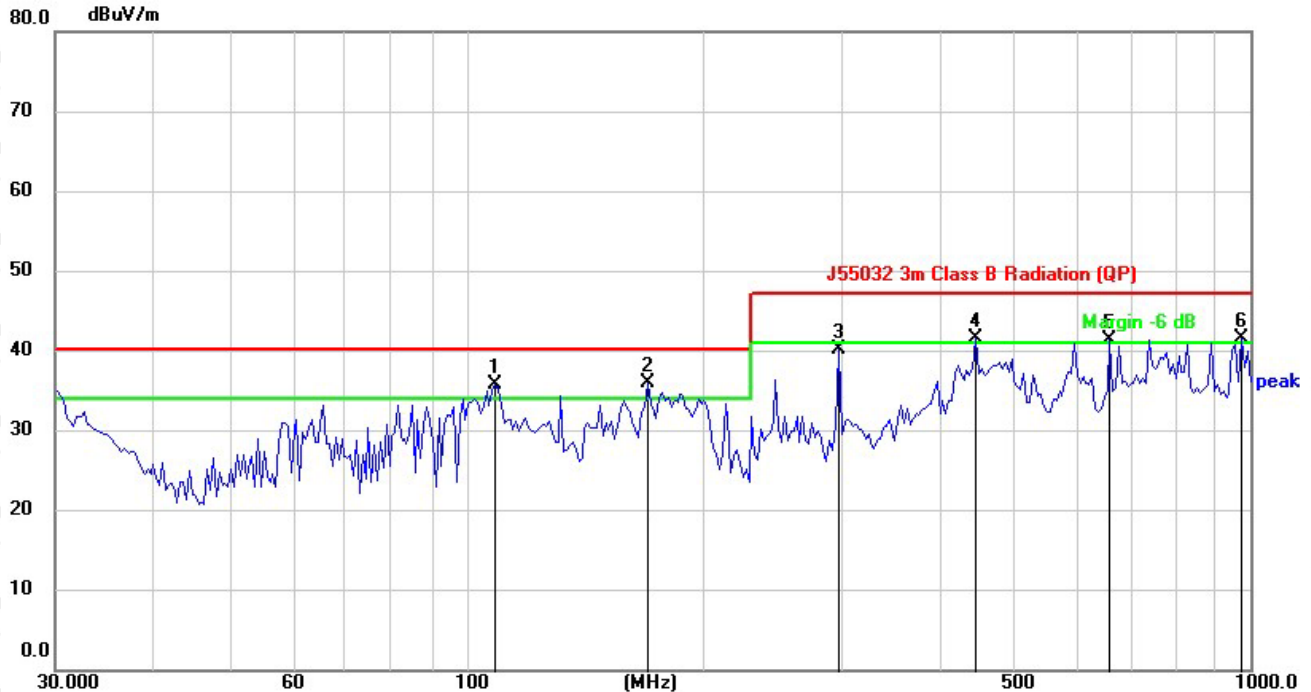
Frequency range MHz	Measurement			Class B limits dB(μ V/m)
	Facility	Distance m	Detector type / bandwidth	
1 000 to 3 000	FSOATS	3	Average / 1MHz	50
3 000 to 6 000				54
1 000 to 3 000		3	Average / 1MHz	70
3 000 to 6 000				74

6.2.3. Test procedure

1. The measurement was performed in a semi-anechoic chamber.
2. The distance from EUT to receiving antenna is 3 meters.
3. Measurement was performed according to clause 7.3 of CISPR 16-2-3.

6.2.4. Test results

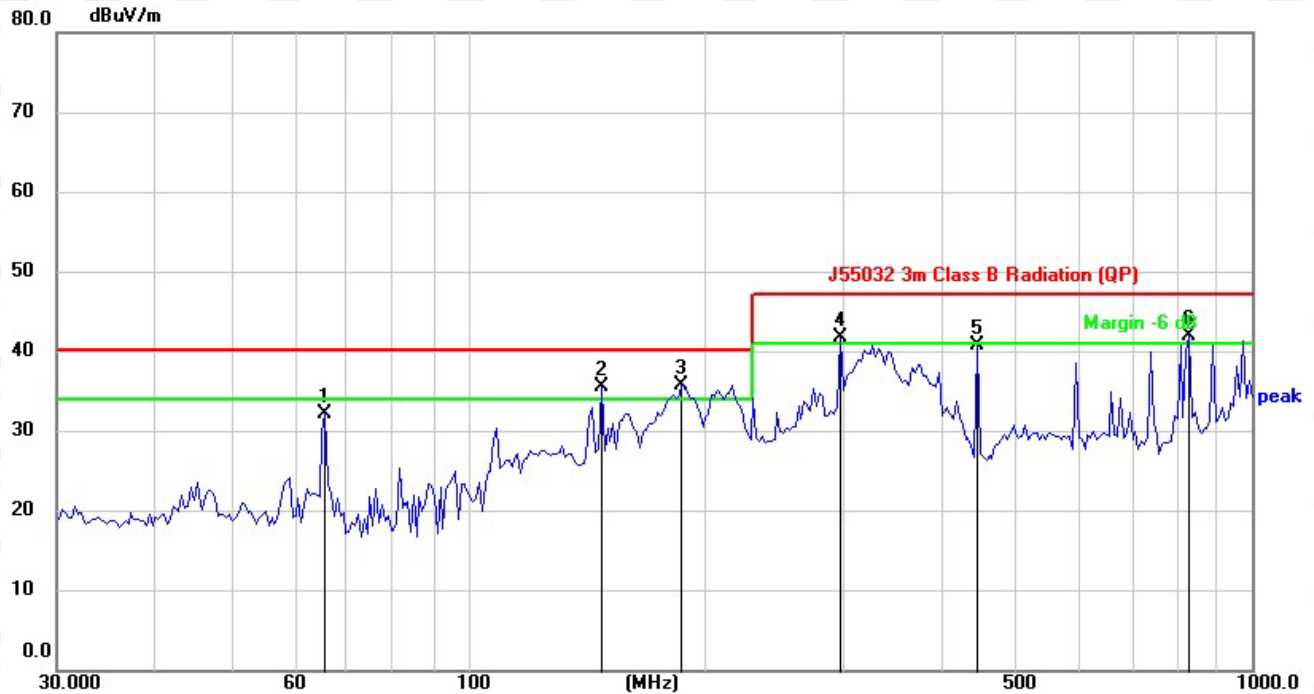
Temperature:	26°C	Relative Humidity:	54 %
Pressure:	101kPa	Polarization :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV/m	dB/m	dB	
1	!	108.8375	43.20	-7.44	35.76	40.00	-4.24	QP
2	*	170.1947	37.93	-2.11	35.82	40.00	-4.18	QP
3		298.2681	43.06	-2.93	40.13	47.00	-6.87	QP
4	!	446.4139	40.95	0.61	41.56	47.00	-5.44	QP
5	!	662.3106	36.68	4.71	41.39	47.00	-5.61	QP
6	!	974.0434	32.65	8.78	41.43	47.00	-5.57	QP

Note: Result=Reading+Factor
Over Limit=Result-Limit

Temperature:	26°C	Relative Humidity:	54 %
Pressure:	101kPa	Polarization :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		66.0340	40.35	-8.15	32.20	40.00	-7.80	QP
2	!	147.9214	38.61	-3.16	35.45	40.00	-4.55	QP
3	*	187.4240	40.09	-4.34	35.75	40.00	-4.25	QP
4	!	298.2681	44.70	-2.93	41.77	47.00	-5.23	QP
5		446.4139	40.10	0.61	40.71	47.00	-6.29	QP
6	!	831.8573	34.22	7.67	41.89	47.00	-5.11	QP

Note: Result=Reading+Factor
Over Limit=Result-Limit

7. Photographs of test setup

Radiated Emission



Conducted Emission

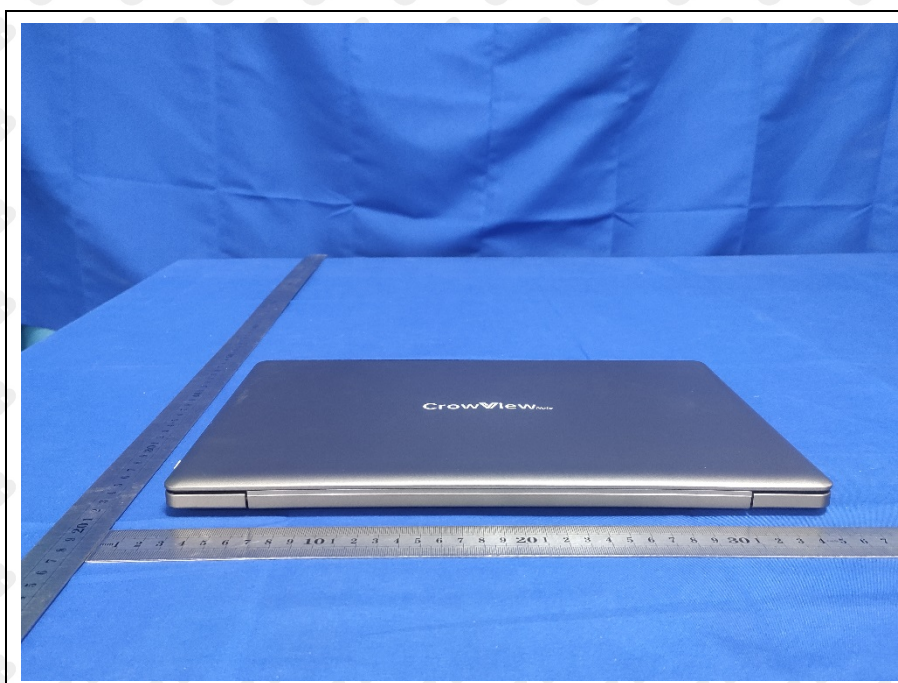


8. Photographs of EUT

EUT photo 1



EUT photo 2



EUT photo 3



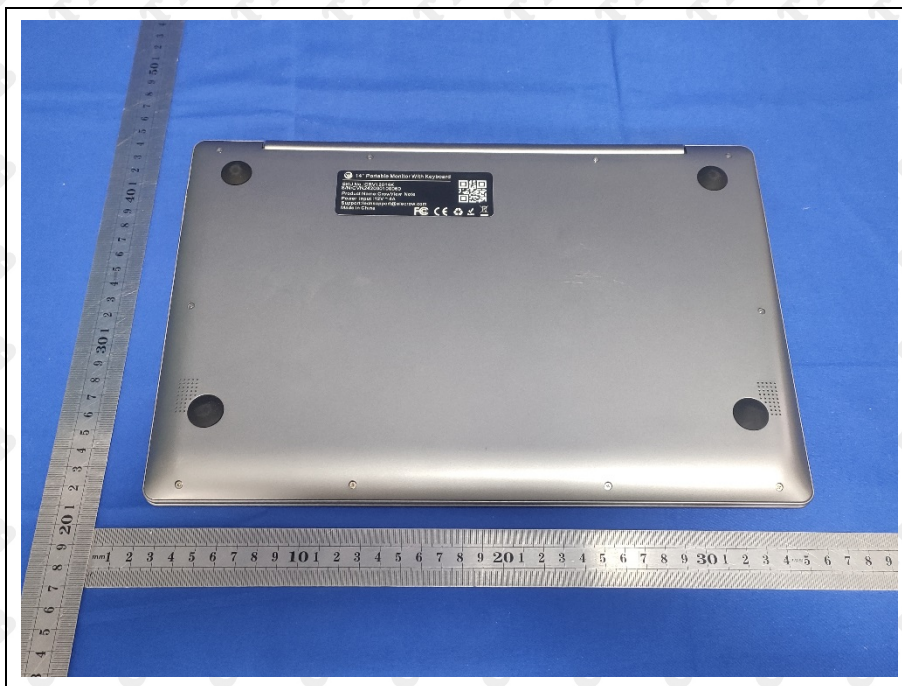
EUT photo 4



EUT photo 5



EUT photo 6



EUT photo 7



EUT photo 8



EUT photo 9



EUT photo 10



End of report