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TEST REPORT

FCC ID: 2AXYP-V8001

Product: Tablet

Model No.: V8001

Trade Mark: VILLAON

Report No.: WSCT-A2LA-R&E231200026A-15B

Issued Date: 28 December 2023

Issued for:

ORAIMO TECHNOLOGY LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI
STREET FOTAN NT HONGKONG

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd.
Building A-B, Baoshi Science & Technology Park, Baoshi Road,
Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-26996192

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Note: The results contained in this report pertain only to the tested sample. This report shall not be reproduced, except in full, without written approval of World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. This report must not be used by the client to claim product certification, approval, or any agency of the U.S. Government.

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Certificate Number 5768,01

Report No.: WSCT-A2LA-R&E231200026A-15B

1. Test Certification

Product: Tablet

Model No.: V8001

Trade Mark: VILLAON

Applicant: ORAIMO TECHNOLOGY LIMITED

Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SH

AN MEI STREET FOTAN NT HONGKONG

Manufacturer: ORAIMO TECHNOLOGY LIMITED

Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SH

AN MEI STREET FOTAN NT HONGKONG

Date of Test: 08 December 2023 ~ 27 December 2023

Applicable Standards: FCC CFR Title 47 Part 15 Subpart B

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

& Xiang

(Wang Xiang)

Checked By:

(Li Huaibi)

Approved By:

(Liu Fuxin)

Date: 28 Da

December

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World Standard Region Certification & Toffm

X

AWSET

W5E

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2. GENERAL DESCRIPTION OF EUT

Tablet Type: Test Model: V8001 Trade Mark VILLAON Rechargeable Li-ion Polymer Battery :BL-40PV Rated Voltage: 3.8V Rated Cpacity:4000mAh/15.2Wh Typical Capacity:4100mAh/15.58Wh Limited Charge Voltage: 4.35V Adapter: A18A-050100U-US2 Input: 100-240V~50/60Hz Max. 0.2A Output:5V1A Remark: N/A.				Part of the last
Trade Mark VILLAON Rechargeable Li-ion Polymer Battery :BL-40PV Rated Voltage: 3.8V Rated Cpacity:4000mAh/15.2Wh Typical Capacity:4100mAh/15.58Wh Limited Charge Voltage: 4.35V Adapter: A18A-050100U-US2 Input: 100-240V~50/60Hz Max. 0.2A Output:5V==1A			Tablet W577	3
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Rechargeable Li-Polymer Battery: Rated Cpacity:4000mAh/15.2Wh Typical Capacity:4100mAh/15.58Wh Limited Charge Voltage: 4.35V Adapter: Ada	1	Trade Mark	VILLAON	
Adapter: Input: 100-240V~50/60Hz Max. 0.2A Output:5V===1A	ウ	Rechargeable Li-Polymer	Rated Voltage: 3.8V Rated Cpacity:4000mAh/15.2Wh Typical Capacity:4100mAh/15.58Wh	>
Remark: N/A.	(Input: 100-240V~50/60Hz Max. 0.2A	
	Ź	Remark:	N/A.	

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3. Test Result Summary

Requirement	CFR 47 Section	Result		
CONDUCTED EMISSION	§15.107	PASS		
RADIATED EMISSION	§15.109	PASS		

A11-191	RADIATED EMISSION	§15.109	PASS	/
	Note:	rement.	1110	
X	1. PASS: Test item meets the require 2. Fail: Test item does not meet the 3. N/A: Test case does not apply to	requirement. the test object.	X	116178
ZW A19 1	4. The test result judgment is decide		WEITE	X
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TEST METHODOLOGY 4.

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

Pretest Mode	Description
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Transferring with USB Disk (the worst case)
Mode 4	TF Card Playing

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CONFIGURATION OF SYSTEM UNDER TEST

Mode 1&2

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Adapter 1m USB cable **EUT**

Mode 3&4: 1.2m Power cable EUT TF Card/USB Disk Adapter 1.2m USB 1.2m USB cable cable Keyboard Mouse

(EUT: Tablet)

N.					_			
7	I/O Port of EUT							
	I/O Port Type	Q'TY	Cable	Tested with	X			
	Power	1	1m USB cable, unshielded	1	17257			
7	Earphone	1	1m USB cable, unshielded	1	10-14			







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DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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

	1300	21 T T T - H - L - MA	ALLEY AND A SECOND	4177744		111 11 11 11	
ď	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note	١
	1	Adapter	1	A18A-050100U-US2	1	1	
	2	Keyboard	HP	SK-2880	435302-AA-	1	4
	3	Mouse	DELL	MS111-1	ZIFIFE	1/	1

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2)For detachable type I/O cable should be specified the length in cm in Length column.

	WHE	WATER	WHI	WEST	WSI
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dization	WSET Grander Converge (57.00	\times		2514
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5. MEASUREMENT INSTRUMENTS

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibrated	Calibrated until	3
×	Test software		EZ-EMC	CON-03A		X	
	ESCI Test Receiver	R&S	ESCI	100005	11/05/2023	11/04/2024	
5/	LISN	AFJ	LS16	16010222119	11/05/2023	11/04/2024	H
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2023	11/04/2024	>
	pre-amplifier	CDSI	PAP-1G18-38	-	11/05/2023	11/04/2024	
	System Controller	CT	SC100		11/05/2023	11/04/2024	7
	Bi-log Antenna	Chase	CBL6111C	2576	11/05/2023	11/04/2024	
	Spectrum analyzer	R&S	FSU26	200409	11/05/2023	11/04/2024	
5/	Horn Antenna	SCHWARZBECK	9120D	1141	11/05/2023	11/04/2024	
	Bi-log Antenna	SCHWAREBECK	VULB9163	9163/340	11/05/2023	11/04/2024	
	Pre Amplifier	H.P.	HP8447E	2945A02715	11/05/2023	11/04/2024	?
	9*6*6 Anechoic	17274	17254		11/05/2023	11/04/2024	3

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		$\langle \ \ \rangle$			125791
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WETGE	Wester	WEIGH	NV-STATE OF	WATER	
					WSI
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6. Facilities and Accreditations

6.1. Facilities

All measurement facilities used to collect the measurement data are located at Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group(Shenzhen) CO., LTD

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 32. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6.2. ACCREDITATIONS

CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration Number: L3732

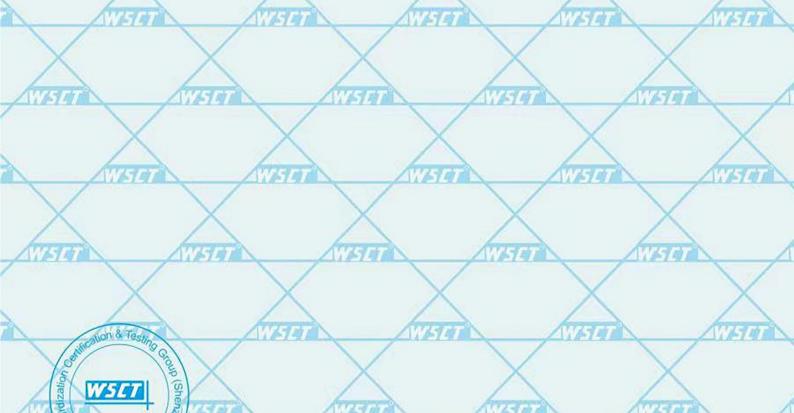
FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

A2LA - Certificate Number: 5768.01

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The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number: 5768.01



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6.3 Measurement Uncertainty

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

	No.	Item	MU
•	1	Conducted Emission Test	±3.2dB
	2	RF power, conducted	±0.16dB
	3	Spurious emissions, conducted	±0.21dB
7	4	All emissions, radiated(<1GHz)	±4.7dB
	5	All emissions, radiated(>1GHz)	±4.7dB
	6	Temperature	±0.5°C
	7	Humidity	±2.0%

	W-10	W-10	WEIGH	WETG	NETER
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	WETO	WSIET	WEIGH	MISTAT	VIETE I
NIE.					701
	WSIGI	WASTER	W519	WSW	WEIGH
ATE:					797
	X	WSIA	Wister	NEG	WSIII
	W5/47 She				

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Report No.: WSCT-A2LA-R&E231200026A-15B **EMC EMISSION TEST** 7.

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7.1. CONDUCTED EMISSION MEASUREMENT

7.1.1. POWER LINE CONDUCTED EMISSION LIMITS

٠.		2-1-7-2 W 100 100 V		2112 2 2 2 2 2 2		and the second second second	
	FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard	
	FREQUENCT (MINZ)	Quasi-peak	Average	Quasi-peak	Average	Stariuaru	
	0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC	
	0.50 -5.0	73.00	60.00	56.00	46.00	FCC	
-	5.0 -30.0	73.00	60.00	60.00	50.00	FCC	

Note:

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- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

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



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TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains www.wsct-cert.com through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

Power input-

TEST SETUP Shielding room V GRP 40cm 80cm coaxial cable(80cm) 80cm Power Cable Receive 90cm LISN

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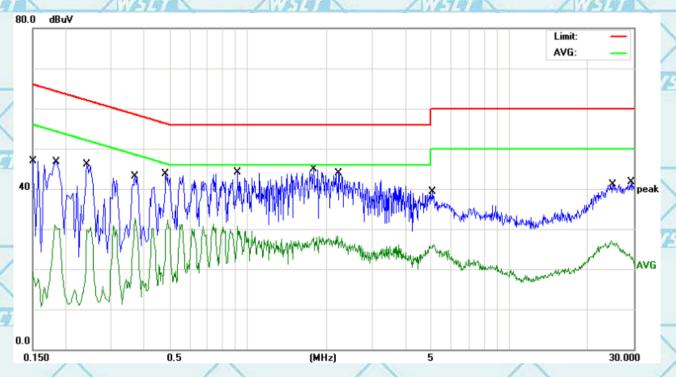
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7.1.2. Test Results

Temperature	20 ℃ /////	Relative Humidity	48% W507
Pressure	1010 hPa	Test Mode	Mode 3(the worst case)

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



1	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1		0.1500	36.50	10.45	46.95	65.99	-19.04	QP
1	2		0.1819	20.58	10.45	31.03	54.39	-23.36	AVG
	3		0.2420	35.69	10.46	46.15	62.02	-15.87	QP
	4		0.3700	22.18	10.49	32.67	48.50	-15.83	AVG
	5		0.4860	33.25	10.52	43.77	56.24	-12.47	QP
	6		0.9180	20.09	10.55	30.64	46.00	-15.36	AVG
	7	*	1.7820	34.18	10.68	44.86	56.00	-11.14	QP
	8		2.2020	17.56	10.71	28.27	46.00	-17.73	AVG
2	9		5.1100	28.52	10.74	39.26	60.00	-20.74	QP
	10		5.1620	15.40	10.74	26.14	50.00	-23.86	AVG
	11		24.6340	16.08	11.11	27.19	50.00	-22.81	AVG
k	12		29.2940	30.57	11.20	41.77	60.00	-18.23	QP

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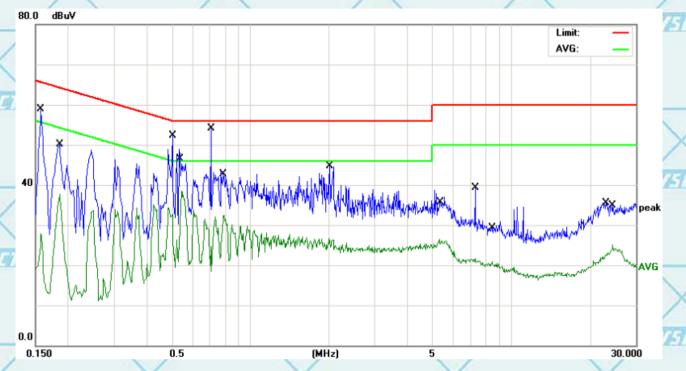






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Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz) Please Contact with WSCT www.wsct-cert.com



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
ý			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1		0.1580	48.46	10.45	58.91	65.56	-6.65	QP
	2		0.1860	27.21	10.45	37.66	54.21	-16.55	AVG
Ì	3	*	0.5020	41.71	10.52	52.23	56.00	-3.77	QP
	4		0.5460	27.99	10.52	38.51	46.00	-7.49	AVG
	5		0.7060	22.50	10.53	33.03	56.00	-22.97	QP
	6		0.7940	21.91	10.54	32.45	46.00	-13.55	AVG
7	7		2.0140	34.02	10.71	44.73	56.00	-11.27	QP
	8		5.2940	15.71	10.75	26.46	50.00	-23.54	AVG
	9		7.2620	28.50	10.78	39.28	60.00	-20.72	QP
Í	10		8.4460	10.04	10.80	20.84	50.00	-29.16	AVG
	11		23.0860	24.40	11.09	35.49	60.00	-24.51	QP
	12		24.4900	13.91	11.11	25.02	50.00	-24.98	AVG
	1,6000	I de la constitució	THE CO.	Alternati	and the second second second	-	AND DESCRIPTION	A PROPERTY.	

Note:

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Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement (dB μ V) = Reading level (dB μ V) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak AVG =average

is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

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7.2. RADIATED EMISSION MEASUREMENT

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7.2.1. Radiated Emission Limits

The field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	37
88~216	150	3
216~960	200	X 3 X
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

	FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)			
ŀ	TINEQUEINOT (IVII 12)	PEAK	AVERAGE		
	Above 1000	74	54		

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

	Spectrum Parameter	Setting
1	Attenuation	Auto
	Start Frequency	1000 MHz
	Stop Frequency	10th carrier harmonic
ì	RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP









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TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

	WHI	NISTOT	775141	11/5/4/	WEIGH
VISTA	WHI.	Wist	T WZ		2300
ZI PIGI	WEIGHT.	WESTER	WEIGH	7/274	7515
WEI II	Wist			19	E191
	WEIGH	Wistan	NISIO	WISTON	Wiston
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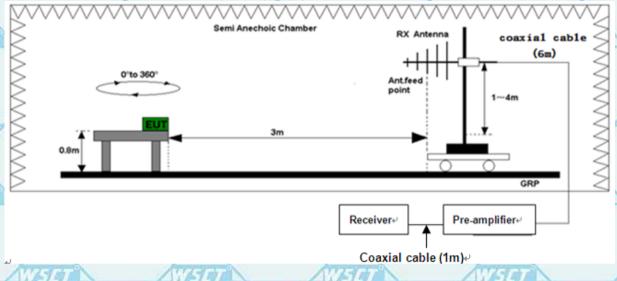
Report No.: WSCT-A2LA-R&E231200026A-15B

Certificate #5768.01

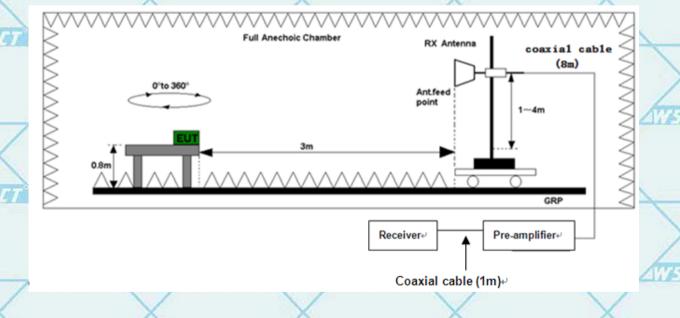
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TEST SETUP

(A) Radiated Emission Test-Up Frequency 30MHz~1GHz



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



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7.2.2. Test Results

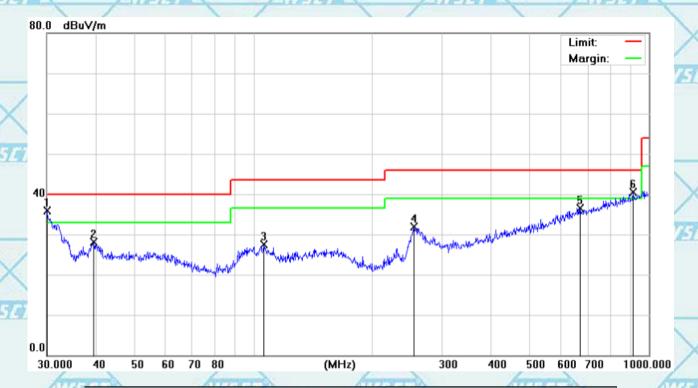
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Temperature	20 ℃	Relative Humidity	48%	
Pressure	1010 hPa	Test Mode	Mode 3(the worst case)	11414

Please refer to following diagram for individual





3	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	
	1	*	30.0000	37.65	-1.73	35.92	40.00	-4.08	QP	7
1	2	41	39.4371	28.62	-0.58	28.04	40.00	-11.96	QP	
/	3	,	106.3850	30.83	-3.37	27.46	43.50	-16.04	QP	
Z	4	2	254.7284	33.40	-1.56	31.84	46.00	-14.16	QP	
	5	76	670.4893	27.14	9.35	36.49	46.00	-9.51	QP	1
	6	! 9	912.8620	27.14	13.29	40.43	46.00	-5.57	QP	

WSET GOOD CONTINUES OF STREET

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							V			~
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	14	,
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	-
>	1	*	30.0000	37.19	-1.73	35.46	40.00	-4.54	QP	
E	2	41	38.7518	32.48	-0.67	31.81	40.00	-8.19	QP	
22	3		96.0986	32.00	-4.30	27.70	43.50	-15.80	QP	
	4	:	256.5211	29.36	-1.51	27.85	46.00	-18.15	QP	K
	5		793.3960	27.97	11.27	39.24	46.00	-6.76	QP	7
	6	! 9	909.6667	27.76	13.19	40.95	46.00	-5.05	QP	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)



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TEST RESULTS

Above 1GHz(1~26GHz): (Mode 3—worst case)

	Freq.	Ant.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
7	(MHz)	Pol.					ATTE DE LA COLONIA DE LA COLON	
9		H/V	PK	AV	PK	AV	PK	AV
	1662.64	V	67.53	46.30	74	54	-6.47	-7.70
	2456.17	V	65.73	44.43	74	54	-8.27	-9.57
	1627.04	Н	67.49	46.82	74	54	-6.51	-7.18
	2377.86	H	71.75	45.01	74	54	-2.25	-8.99

Remark:

DUOM * PT

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Freq. = Emission frequency in MHz

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

Over= Emission Level - Limit.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

WATER	WATER WATER	NI STORY	WHITE
X	****END OF REPORT*	****	
WISTON	WSIII	WEIGHT WEIGHT	
	X	X	\times
WEIGH	AVETER AVETER	WHILE	WETER A
Wister	Wister	WASTER AND STREET	
WEST OF THE PARTY	V/5191	Wister	WEIGH
Wister		NASTON AND STREET	
X	WEST OF THE STATE	WSLIT	WEIGH
diffication & Testing Q			/

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