APPLICATION FOR VERIFICATION
On Behalf of
Nexus Industrial Design Ltd

Color Weather Forecast Station
Model No.: IW261C

FCC ID: TIUIW261C

Prepared for	:	Nexus Industrial Design Ltd
Address	:	15/F., Tower 2, Tern Centre, 251 Queen's Road Central, Hong Kong
Prepared by	:	Accurate Technology Co., Ltd.
Address	:	F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China
		Tel: +86-755-26503290 Fax: +86-755-26503396

Report No.	:	ATE20151492
Date of Test	:	Jul 08-14,2015
Date of Report	:	Jul 15,2015

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Description Page

Test Report Declaration

Applicant	:	Nexus Industrial Design Ltd
Manufacturer	:	Nexus Industrial Design Ltd
EUT Description	:	Color Weather Forecast Station
		(A) MODEL NO.: IW261C
		(B) SERIAL NO.: N/A
		(C) POWER SUPPLY: AC 100-240V

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B & ANSI C63.4: 2014

The device described above is tested by Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Accurate Technology Co., Ltd.

Date of Test :	Jul 08-14,2015
Date of Report :	Jul 15,2015
Prepared by :	Mark Chen
	(Mark Chen, Engineer)
Approved & Authorized Signer :	Sean Liu
	(Sean Liu, Manager)

1. TEST RESULTS SUMMARY

Test Items	Test Standard	Test Results
Power Line Conducted Emission	FCC Part 15.107	Pass
Radiated Emission	FCC Part 15.109	Pass

2. GENERAL INFORMATION

2.1.Product of Device (EUT)

EUT	:	Color Weather Forecast Station
Model Number	:	IW261C
Power Supply	:	AC 100-240V
Adapter	:	Model number: SW0500300-A04 Input: 100-240V; 50/60Hz 200mA Output: DC 5V/300mA Line: Non-shielded, Non-detachable, 1.5m
Modulation:	:	ASK
Operation Frequency	:	433.92MHz RX
Applicant	:	Nexus Industrial Design Limited
Address	:	15/F., Tower 2, Tern Centre, 251 Queen's Road Central, Hong Kong.
Manufacturer	:	Nexus Industrial Design Limited
Address	:	15/F., Tower 2, Tern Centre, 251 Queen's Road Central, Hong Kong
Date of sample received	:	Jul 08,2015
Date of Test	:	Jul 08-14,2015

2.2.Accessory and Auxiliary Equipment

NA

2.3.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen, May 10, 2004

Listed by FCC
The Registration Number is 253065
Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-1
Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee for Laboratories
The Certificate Registration Number is L3193

Name of Firm : Accurate Technology Co., Ltd.
Site Location : F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China

2.4.Measurement Uncertainty

Conducted emission expanded uncertainty	:	U=2.23dB, k=2
Power disturbance expanded uncertainty	:	U=2.92dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	:	U=3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	:	U=4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	:	U=4.06dB, k=2

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. The Equipments Used to Measure Conducted Disturbance

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCS30	100307	Jan.10, 2015	1 Year
2.	Test Receiver	Rohde & Schwarz	ESPI	100396/003	Jan.10, 2015	1 Year
3.	Test Receiver	Rohde & Schwarz	ESPI	101526/003	Jan.10, 2015	1 Year
4.	Test Receiver	Rohde & Schwarz	ESR	101817	Jan.10, 2015	1 Year
5.	L.I.S.N.	Schwarzbeck	NLSK8126	8126431	Jan.10, 2015	1 Year
6.	L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100305	Jan.10, 2015	1 Year
7.	L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	Jan.10, 2015	1 Year
8.	L.I.S.N.	Rohde & Schwarz	ESH3-Z6	100132	Jan.10, 2015	1 Year
9.	L.I.S.N.	Rohde & Schwarz	ESH3-Z6	100979	Jan.10, 2015	1 Year
10.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100305	Jan.10, 2015	1 Year
11.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100312	Jan.10, 2015	1 Year
12.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	Jan.10, 2015	1 Year
13.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283936	Jan.10, 2015	1 Year
14.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	Jan.10, 2015	1 Year
15.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200506474	Jan.10, 2015	1 Year
16.	VOLTAGE PROBE	Schwarzbeck	TK9416	N/A	Jan.10, 2015	1 Year
17.	RF CURRENT PROBE	Rohde & Schwarz	EZ-17	100048	Jan.10, 2015	1 Year
18.	8-Wire Impedance Stabilisation Network	Schwarzbeck	CAT5 8158	8158-0035	Jan.10, 2015	1 Year
19.	RF Coaxial Cable	SUHNER	N-2m	No.2	Jan.10, 2015	1 Year
20.	RF Coaxial Cable	SUHNER	N-2m	No.3	Jan.10, 2015	1 Year
21.	RF Coaxial Cable	SUHNER	N-2m	No.14	Jan.10, 2015	1 Year

3.2. The Equipments Used to Measure Radiated Disturbance

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan.10, 2015	1 Year
2.	Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	Jan.10, 2015	1 Year
3.	Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan.10, 2015	1 Year
4.	Test Receiver	Rohde& Schwarz	ESPI	100396/003	Jan.10, 2015	1 Year
5.	Test Receiver	Rohde& Schwarz	ESPI	101526/003	Jan.10, 2015	1 Year
6.	Test Receiver	Rohde& Schwarz	ESR	101817	Jan.10, 2015	1 Year
7.	Bilog Antenna	Schwarzbeck	VULB9163	9163-194	Jan.15, 2015	1 Year
8.	Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan.15, 2015	1 Year
9.	Log.-Per.Antenna	Schwarzbeck	VUSLP 9111B	9111B-074	Jan.15, 2015	1 Year
10.	Biconical Broad Band Antenna	Schwarzbeck	VHBB 9124+BBA 9106	9124-617	Jan.15, 2015	1 Year
11.	Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan.15, 2015	1 Year
12.	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan.15, 2015	1 Year
13.	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan.15, 2015	1 Year
14.	Vertical Active Monopole Antenna	Schwarzbeck	VAMP 9243	9243-370	Jan.15, 2015	1 Year
15.	RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	Jan.10, 2015	1 Year
16.	Pre-Amplifier	Agilent	8447D	294A10619	Jan.10, 2015	1 Year
17.	Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	Jan.10, 2015	1 Year
18.	50 Coaxial Switch	Anritsu Corp	MP59B	6200237248	Jan.10, 2015	1 Year
19.	50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	Jan.10, 2015	1 Year
20.	RF Coaxial Cable	Schwarzbeck	N-5m	No.1	Jan.10, 2015	1 Year
21.	RF Coaxial Cable	Schwarzbeck	N-1m	No.6	Jan.10, 2015	1 Year
22.	RF Coaxial Cable	Schwarzbeck	N-1m	No.7	Jan.10, 2015	1 Year
23.	RF Coaxial Cable	SUHNER	N-3m	No.8	Jan.10, 2015	1 Year
24.	RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	Jan.10, 2015	1 Year
25.	RF Coaxial Cable	SUHNER	N-6m	No.10	Jan.10, 2015	1 Year
26.	RF Coaxial Cable	RESENBERGER	N-12m	No.11	Jan.10, 2015	1 Year
27.	RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	Jan.10, 2015	1 Year
28.	RF Coaxial Cable	SUHNER	N-2m	No.13	Jan.10, 2015	1 Year
29.	RF Coaxial Cable	SUHNER	N-0.5m	No.15	Jan.10, 2015	1 Year
30.	RF Coaxial Cable	SUHNER	N-2m	No.16	Jan.10, 2015	1 Year
31.	RF Coaxial Cable	RESENBERGER	N-6m	No.17	Jan.10, 2015	1 Year

4. POWER LINE CONDUCTED MEASUREMENT

4.1.Block Diagram of Test Setup

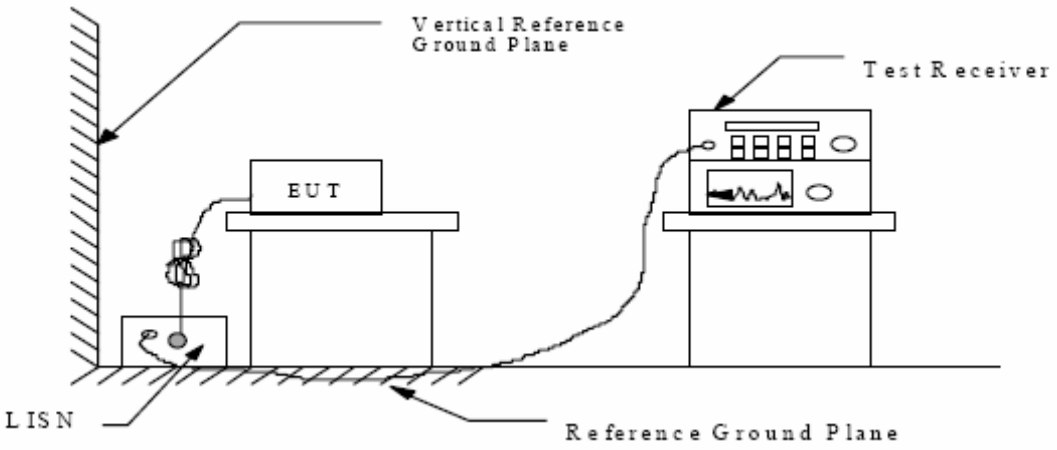
4.1.1.Block diagram of connection between the EUT and simulators

4.1.1.1.For Transfer data

AC 120V/60Hz (AC240V/60HZ)

(EUT: Color Weather Forecast Station)

4.1.2.Shielding Room Test Setup Diagram



(EUT: Color Weather Forecast Station)

4.2.The Emission Limit

4.2.1.Conducted Emission Measurement Limits According to Section 15.107(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

4.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

4.3.1. Color Weather Forecast Station (EUT)

Model Number**:** IW261C
Serial Number**:** N/A
Manufacturer**:** Nexus Industrial Design Ltd

4.4. Operating Condition of EUT

4.4.1. Setup the EUT and simulator as shown as Section 3.2.

4.4.2. Turn on the power of all equipment.

4.4.3. Let the EUT work in test mode and measure it.

4.5. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

4.6. Power Line Conducted Emission Measurement Results

PASS.

Test Mode: ON(120V/60HZ)

MEASUREMENT RESULT: "RY0713-5_fin"

2015-7-13 9:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	38.90	11.2	59	19.9	QP	N	GND
2.549000	30.20	11.7	56	25.8	QP	N	GND
5.442500	28.10	11.8	60	31.9	QP	N	GND

MEASUREMENT RESULT: "RY0713-5_fin2"

2015-7-13 9:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.364000	32.90	11.2	49	15.7	AV	N	GND
2.342000	20.30	11.7	46	25.7	AV	N	GND
5.375000	16.60	11.8	50	33.4	AV	N	GND

MEASUREMENT RESULT: "RY0713-6_fin"

2015-7-13 9:41

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	42.00	11.2	59	16.8	QP	L1	GND
2.535500	30.80	11.7	56	25.2	QP	L1	GND
6.185000	27.40	11.8	60	32.6	QP	L1	GND

MEASUREMENT RESULT: "RY0713-6_fin2"

2015-7-13 9:41

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	33.30	11.2	49	15.5	AV	L1	GND
2.477000	20.80	11.7	46	25.2	AV	L1	GND
5.465000	16.80	11.8	50	33.2	AV	L1	GND

Test Mode: ON(240V/60HZ)

MEASUREMENT RESULT: "RY0713-61_fin"

2015-7-14 16:09

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.466000	29.90	11.4	57	26.7	QP	N	GND
1.284000	27.60	11.6	56	28.4	QP	N	GND
5.145500	25.90	11.8	60	34.1	QP	N	GND

MEASUREMENT RESULT: "RY0713-61_fin2"

2015-7-14 16:09

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.360000	27.50	11.2	49	21.2	AV	N	GND
3.197000	18.70	11.7	46	27.3	AV	N	GND
5.172500	15.40	11.8	50	34.6	AV	N	GND

MEASUREMENT RESULT: "RY0713-62_fin"

2015-7-14 16:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.366000	31.70	11.2	59	26.9	QP	L1	GND
1.260000	27.70	11.6	56	28.3	QP	L1	GND
5.150000	25.90	11.8	60	34.1	QP	L1	GND

MEASUREMENT RESULT: "RY0713-62_fin2"

2015-7-14 16:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	27.30	11.2	49	21.4	AV	L1	GND
3.188000	18.80	11.7	46	27.2	AV	L1	GND
5.150000	15.80	11.8	50	34.2	AV	L1	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are shown in the following pages.

ACCURATE TECHNOLOGY CO.,LTD

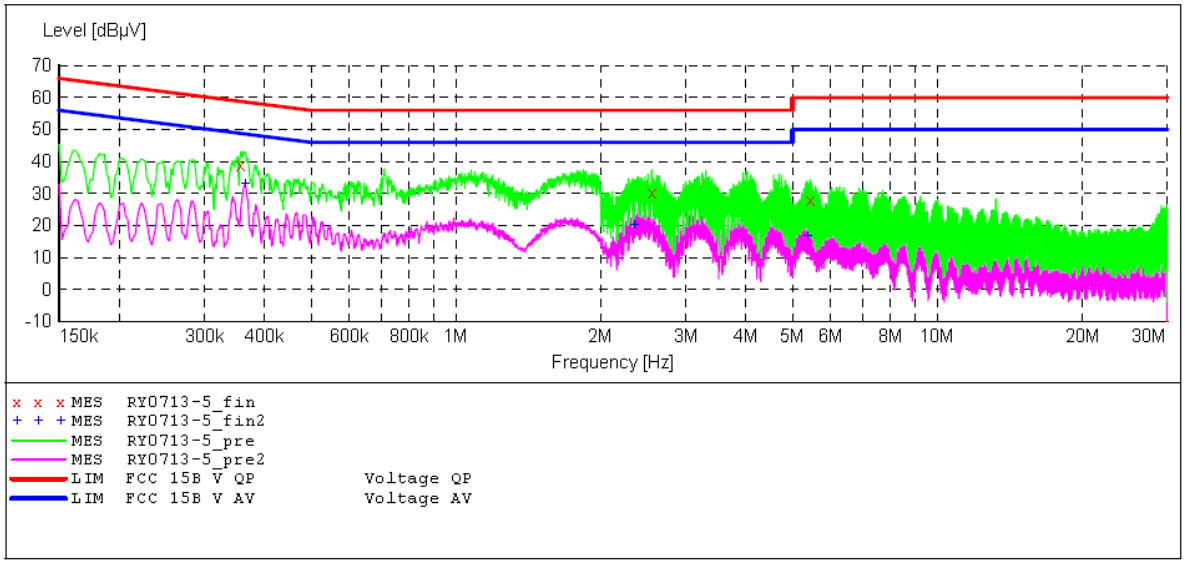
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Color Weather Forecast Station M/N:IW261C
Manufacturer: Nexus
Operating Condition: ON
Test Site: 2#Shielding Room
Operator: Ricky
Test Specification: N 120V/60Hz
Comment: Report No.:ATE20151492
Start of Test: 2015-7-13 / 9:31:00

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "RY0713-5_fin"

2015-7-13 9:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	38.90	11.2	59	19.9	QP	N	GND
2.549000	30.20	11.7	56	25.8	QP	N	GND
5.442500	28.10	11.8	60	31.9	QP	N	GND

MEASUREMENT RESULT: "RY0713-5_fin2"

2015-7-13 9:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.364000	32.90	11.2	49	15.7	AV	N	GND
2.342000	20.30	11.7	46	25.7	AV	N	GND
5.375000	16.60	11.8	50	33.4	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

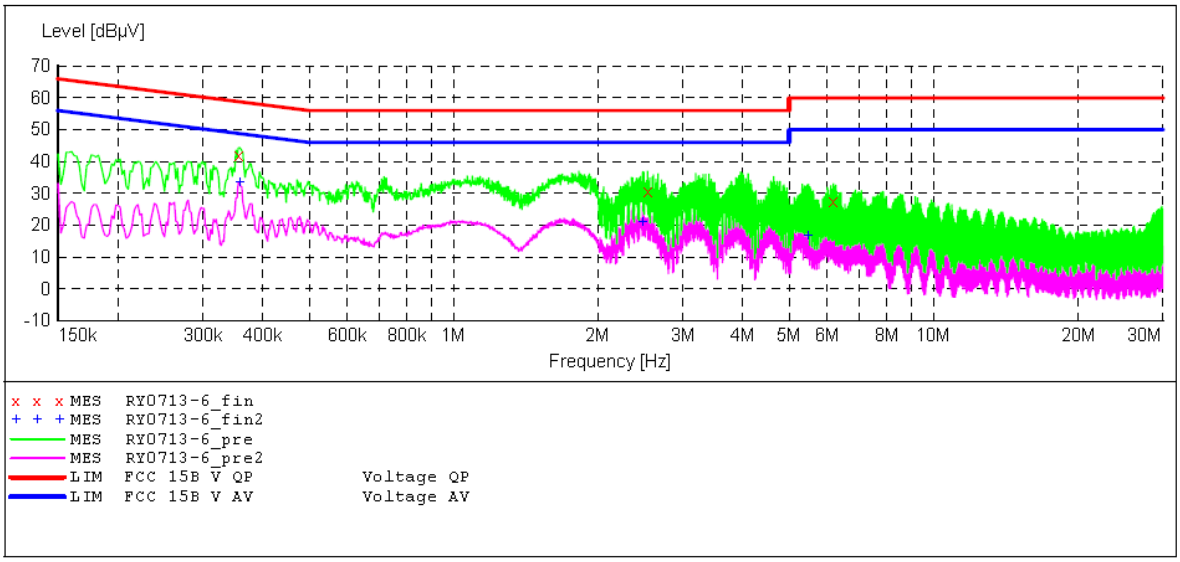
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Color Weather Forecast Station M/N:IW261C
Manufacturer: Nexus
Operating Condition: ON
Test Site: 2#Shielding Room
Operator: Ricky
Test Specification: L 120V/60Hz
Comment: Report No.:ATE20151492
Start of Test: 2015-7-13 / 9:36:32

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "RY0713-6_fin"

2015-7-13 9:41

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	42.00	11.2	59	16.8	QP	L1	GND
2.535500	30.80	11.7	56	25.2	QP	L1	GND
6.185000	27.40	11.8	60	32.6	QP	L1	GND

MEASUREMENT RESULT: "RY0713-6_fin2"

2015-7-13 9:41

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	33.30	11.2	49	15.5	AV	L1	GND
2.477000	20.80	11.7	46	25.2	AV	L1	GND
5.465000	16.80	11.8	50	33.2	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

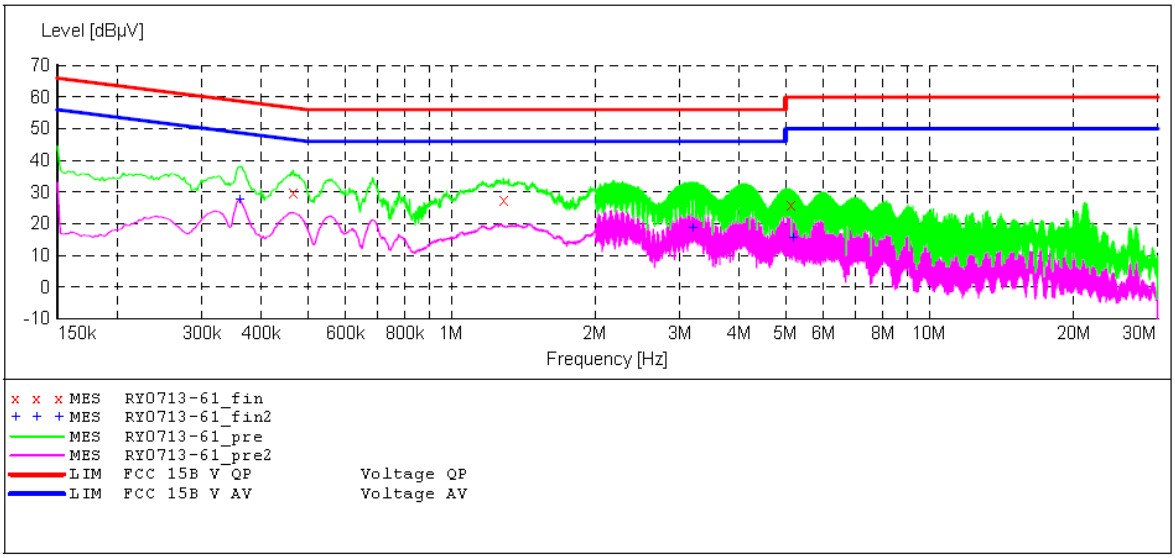
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Color Weather Forecast Station M/N:IW261C
Manufacturer: Nexus
Operating Condition: ON
Test Site: 2#Shielding Room
Operator: Ricky
Test Specification: N 240V/60Hz
Comment: Report No.:ATE2015149
Start of Test: 2015-7-14 / 16:07:26

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "RY0713-61_fin"

2015-7-14 16:09

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.466000	29.90	11.4	57	26.7	QP	N	GND
1.284000	27.60	11.6	56	28.4	QP	N	GND
5.145500	25.90	11.8	60	34.1	QP	N	GND

MEASUREMENT RESULT: "RY0713-61_fin2"

2015-7-14 16:09

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.360000	27.50	11.2	49	21.2	AV	N	GND
3.197000	18.70	11.7	46	27.3	AV	N	GND
5.172500	15.40	11.8	50	34.6	AV	N	GND

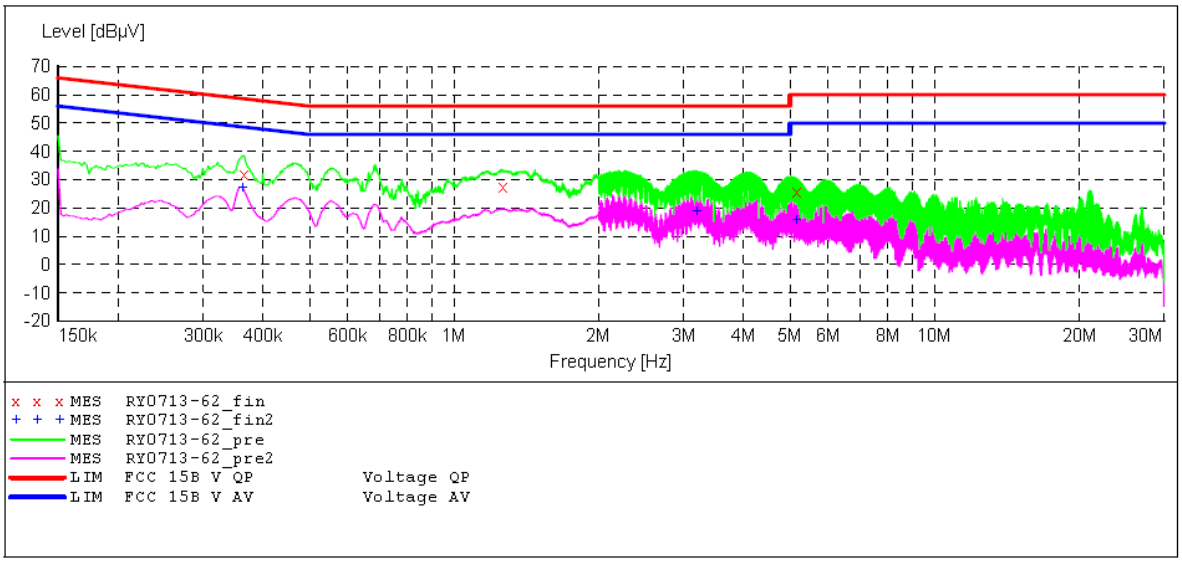
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Color Weather Forecast Station M/N:IW261C
Manufacturer: Nexus
Operating Condition: ON
Test Site: 2#Shielding Room
Operator: Ricky
Test Specification: L 240V/60Hz
Comment: Report No.:ATE2015149
Start of Test: 2015-7-14 / 16:09:56

SCAN TABLE: "V 150K-30MHz fin"
Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "RY0713-62_fin"

2015-7-14 16:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.366000	31.70	11.2	59	26.9	QP	L1	GND
1.260000	27.70	11.6	56	28.3	QP	L1	GND
5.150000	25.90	11.8	60	34.1	QP	L1	GND

MEASUREMENT RESULT: "RY0713-62_fin2"

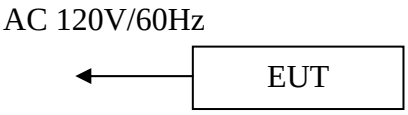
2015-7-14 16:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	27.30	11.2	49	21.4	AV	L1	GND
3.188000	18.80	11.7	46	27.2	AV	L1	GND
5.150000	15.80	11.8	50	34.2	AV	L1	GND

5. RADIATED EMISSION MEASUREMENT

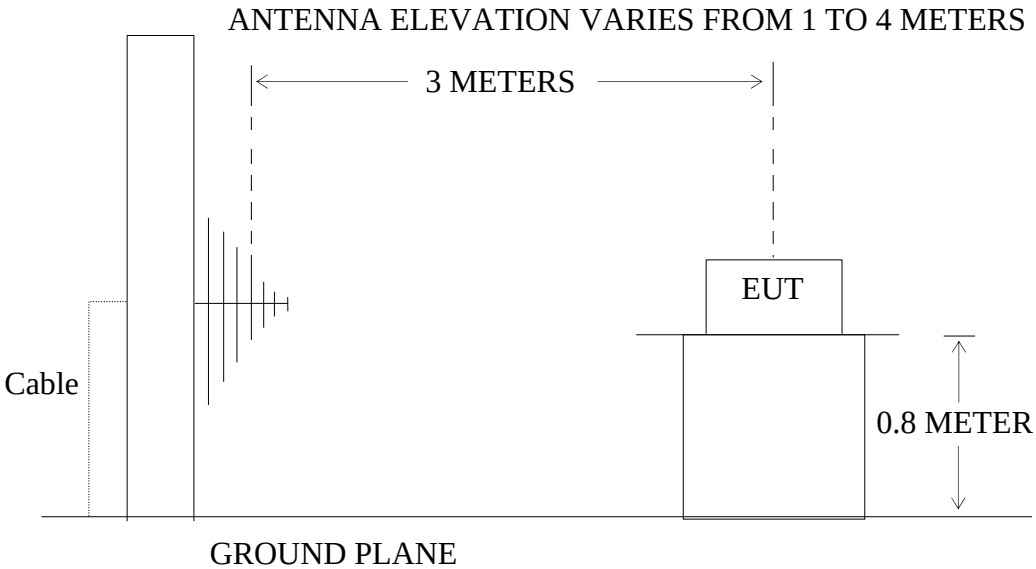
5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators



(EUT: Color Weather Forecast Station)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: Color Weather Forecast Station)

5.2.The Emission Limit For Section 15.109 (a)

5.2.1.Radiation Emission Measurement Limits According to Section 15.109 (a).

Frequency MHz	Distance Meters	Field Strengths Limit	
		μV/m	dB(μV/m)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
960-1000	3	500	54.0
Remark: (1) Emission level dB (μV) = 20 log Emission level μV/m. (2)The smaller limit shall apply at the cross point between two frequency bands. (3)Distance is the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.			

5.3.EUT Configuration on Measurement

The following equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.Color Weather Forecast Station

Model Number**:** IW261C
Serial Number**:** N/A
Manufacturer**:** Nexus Industrial Design Ltd

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 4.2.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in test mode (Rx) and measure it.

5.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120kHz from

30MHz to 5000MHz.
The frequency range from 30MHz to 5000MHz is checked.

5.6.Radiated Emission Noise Measurement Result

PASS.

Model Number: IW261C
Test mode: RX

Horizontal

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	33.9256	37.40	-17.36	20.04	40.00	-19.96	QP
2	235.1346	39.40	-18.28	21.12	46.00	-24.88	QP
3	350.9722	37.35	-14.59	22.76	46.00	-23.24	QP

Vertical

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.1649	43.68	-17.39	26.29	40.00	-13.71	QP
2	48.5483	36.45	-20.33	16.12	40.00	-23.88	QP
3	329.4625	39.82	-15.41	24.41	46.00	-21.59	QP

ABOVE1G

Horizontal

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1856.172	42.91	-9.54	33.37	54.00	-20.63	peak
2	3570.316	42.07	-2.73	39.34	54.00	-14.66	peak
3	3871.383	42.15	-1.83	40.32	54.00	-13.68	peak

Vertical

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1446.529	43.48	-11.67	31.81	54.00	-22.19	QP
2	2178.883	43.71	-8.30	35.41	54.00	-18.59	QP
3	3266.113	42.08	-4.25	37.83	54.00	-16.17	QP

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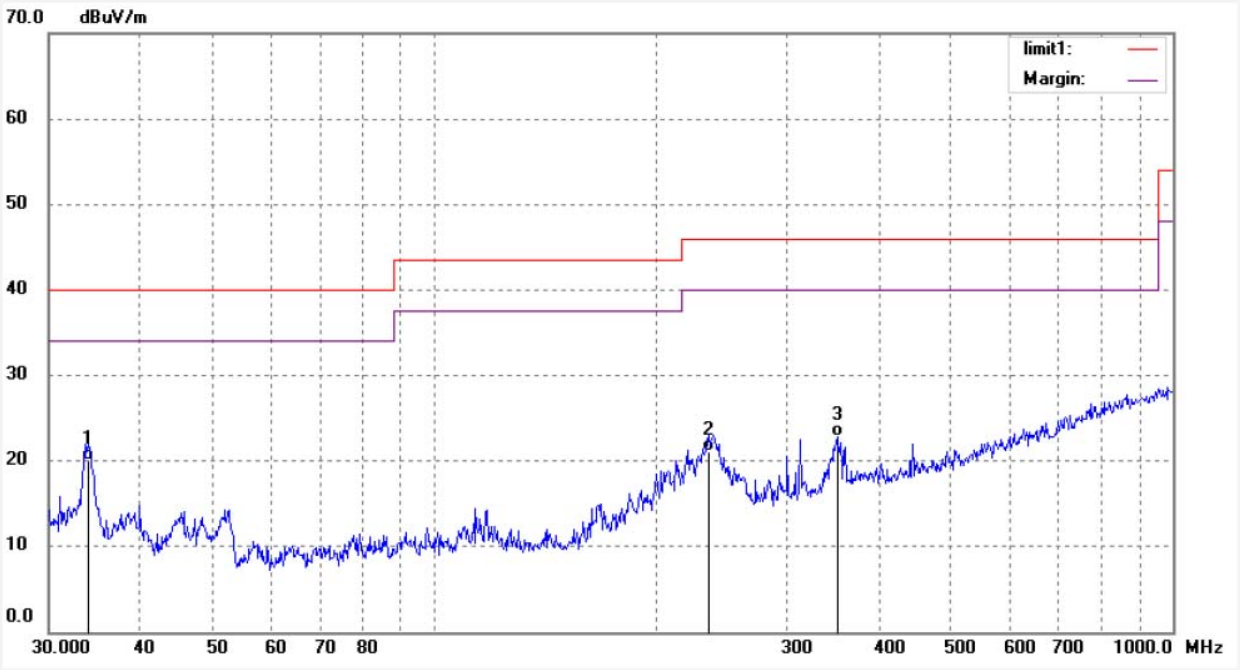
Job No.: ricky 2015 #733
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Color Weather Forecast Station
Mode: RX
Model: IW261C
Manufacturer: Nexus

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/07/14/
Time: 9/22/36
Engineer Signature: Ricky
Distance: 3m

Note: Report No.:ATE20151492



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.9256	37.40	-17.36	20.04	40.00	-19.96	QP			
2	235.1346	39.40	-18.28	21.12	46.00	-24.88	QP			
3	350.9722	37.35	-14.59	22.76	46.00	-23.24	QP			

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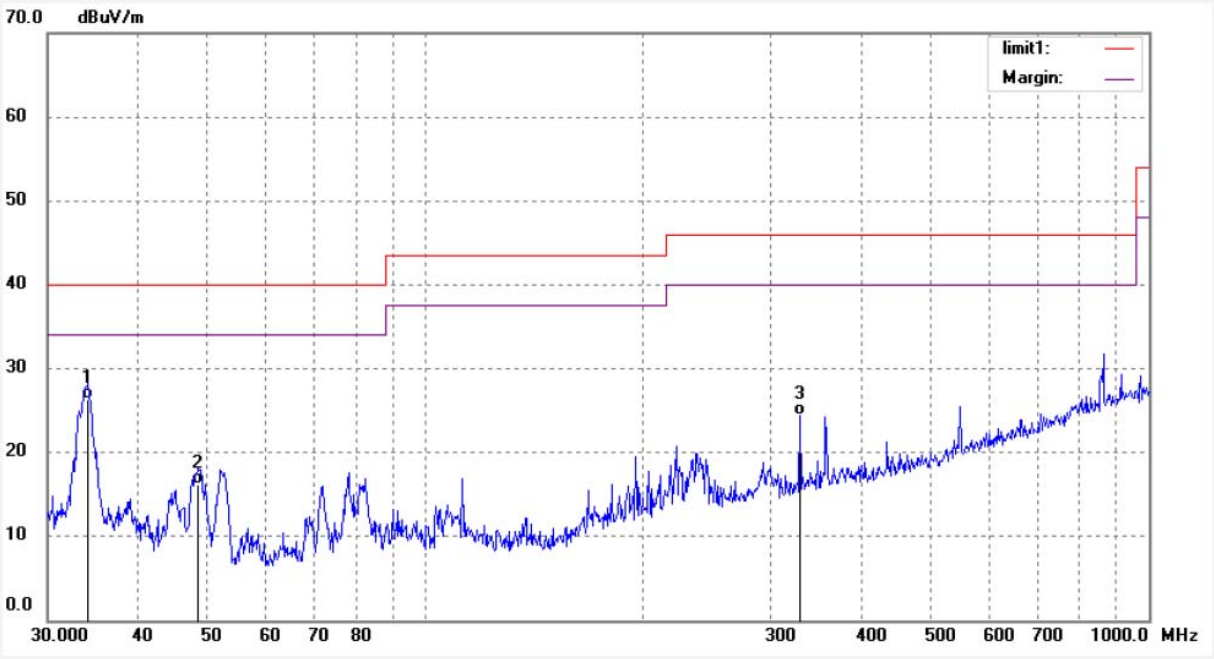
Job No.: ricky 2015 #732	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/07/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/17/16
EUT: Color Weather Forecast Station	Engineer Signature: Ricky
Mode: RX	Distance: 3m
Model: IW261C	
Manufacturer: Nexus	

Note: Report No.:ATE20151492



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.1649	43.68	-17.39	26.29	40.00	-13.71	QP			
2	48.5483	36.45	-20.33	16.12	40.00	-23.88	QP			
3	329.4625	39.82	-15.41	24.41	46.00	-21.59	QP			

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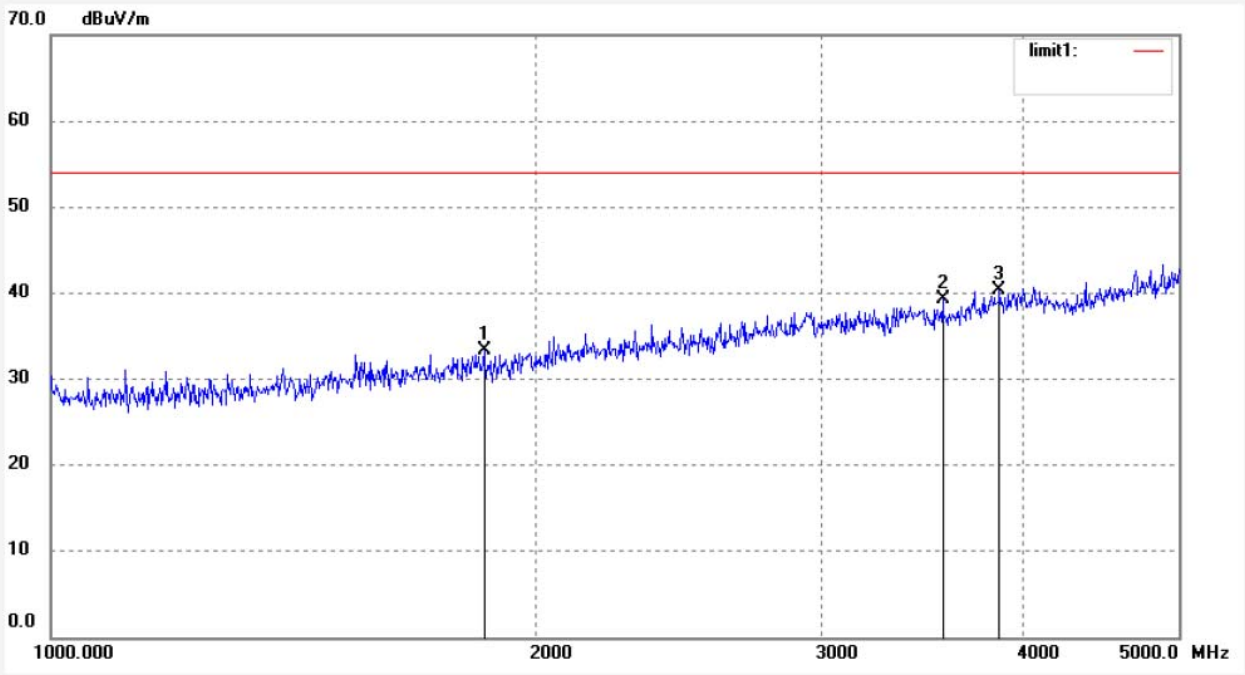
Job No.: ricky 2015 #734
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Color Weather Forecast Station
Mode: RX
Model: IW261C
Manufacturer: Nexus

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/07/14/
Time: 9/25/16
Engineer Signature: Ricky
Distance: 3m

Note: Report No.:ATE20151492



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1856.172	42.91	-9.54	33.37	54.00	-20.63	peak			
2	3570.316	42.07	-2.73	39.34	54.00	-14.66	peak			
3	3871.383	42.15	-1.83	40.32	54.00	-13.68	peak			

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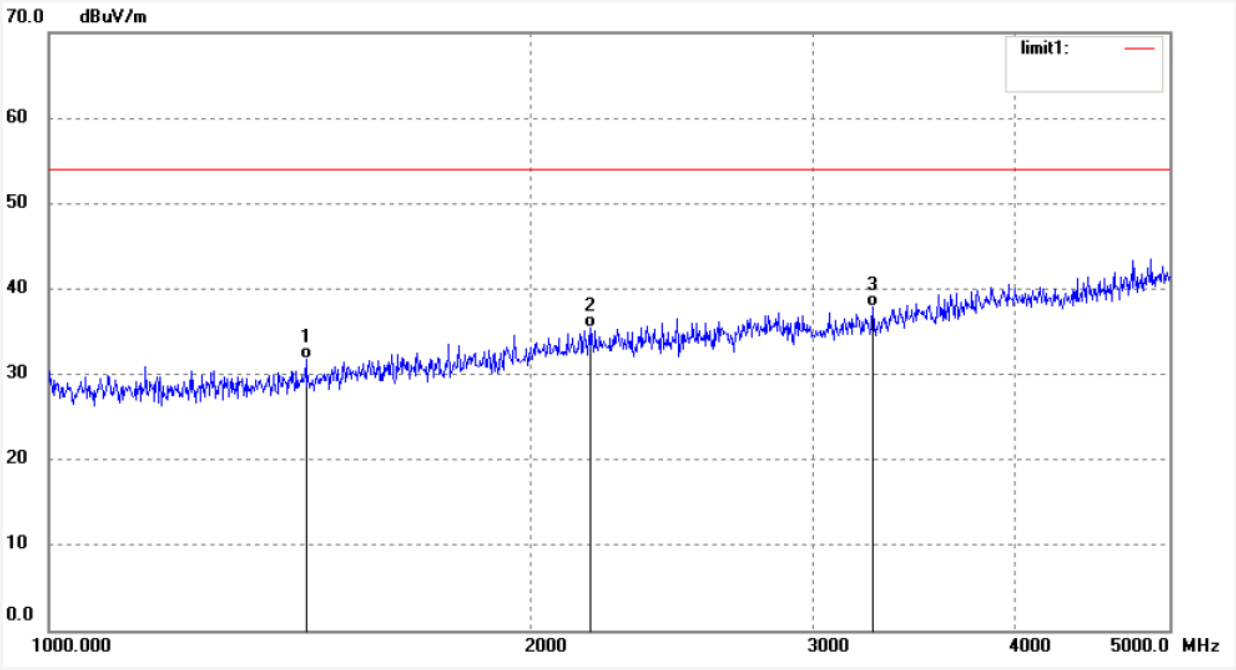
Job No.: ricky 2015 #735
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Color Weather Forecast Station
Mode: RX
Model: IW261C
Manufacturer: Nexus

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/07/14/
Time: 9/26/18
Engineer Signature: Ricky
Distance: 3m

Note: Report No.:ATE20151492



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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2	2178.883	43.71	-8.30	35.41	54.00	-18.59	QP			
3	3266.113	42.08	-4.25	37.83	54.00	-16.17	QP			