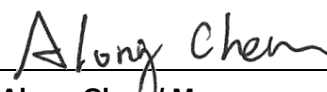


FCC C2PC Test Report

FCC ID : 2AWUU60B6901
Equipment : Wireless Ceiling-Mounted Motion Sensor
Model No. : QM21-W-HW
Brand Name : Verkada
Applicant : VERKADA INC
Address : 405 E. 4th Ave, San Mateo, CA 94401, United States
Standard : 47 CFR FCC Part 15.247
Received Date : Jul. 15, 2026
Tested Date : Jul. 15, 2026

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Manager

Approved by:

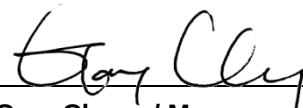

Gary Chang / Manager

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Appendix A. Unwanted Emissions $\leq 1\text{GHz}$

Release Record

Report No.	Version	Description	Issued Date
FR5D2902-02	Rev. 01	Initial issue	Aug. 17, 2026

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 960.00MHz 36.81 (Margin -9.19dB) - PK	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This is a Class II Permissive Change report (C2PC).

This report is a supplementary to the original report no. FR5D2902. The modifications involve non-RF hardware changes only. Radiated emissions below 1GHz was tested and recorded in the following sections.

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information			
Frequency Range (MHz)	Ch. Freq. (MHz)	Modulation	Data Rate
915 ~ 916	915, 915.35, 915.70	DSSS-OQPSK	80Kbps

1.1.2 Antenna Details

Brand	Model	Type	Connector	Gain (dBi)
Sercomm	61721MN005	PIFA	No	1.48

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3Vdc (Powered from L91 AA Batteries *2)
-------------------	---

1.1.4 Accessories

N/A.

1.1.5 Channel List

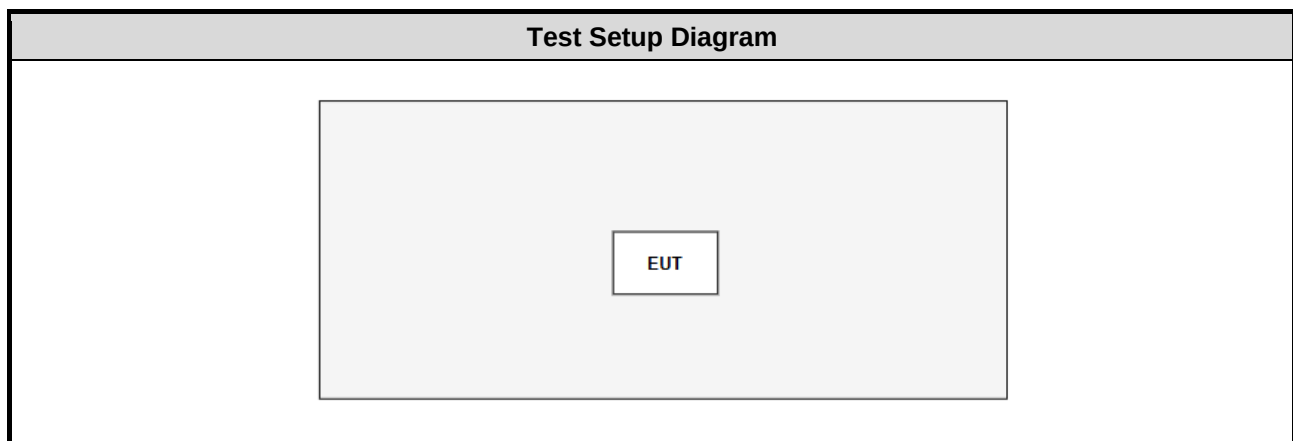
Channel	MHz
0	915
10	915.35
20	915.70

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5440	DoC	---
2	Fixture	---	---	---	Provided by applicant.

Note: The above support units, were disconnected from the EUT and were removed from the testing table after sending command to the EUT to transmit continuously.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Jul. 15, 2026				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Apr. 02, 2026	Apr. 01, 2027
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2025	Nov. 16, 2026
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-1950	May 21, 2026	May 20, 2027
Preamplifier	EMC	EMC02325	980187	Jun. 26, 2026	Jun. 25, 2027
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 01, 2025	Sep. 30, 2026
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 19, 2025	Sep. 18, 2026
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 19, 2025	Sep. 18, 2026
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 19, 2025	Sep. 18, 2026
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.247
ANSI C63.10-2020 + Cor.1-2023
ANSI C63.4-2014 + C63.4a-2017

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Radiated emission $\leq$ 1GHz	± 3.96 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	03CH03-WS
Address of Test Site	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807C
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Unwanted Emissions ≤1GHz	DSSS-OQPSK	915 / 915.35 / 915.70	80Kbps	---

3 Transmitter Test Results

3.1 Unwanted Emissions into Restricted Frequency Bands

3.1.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9~90 kHz, 110~490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.1.2 Test Procedures

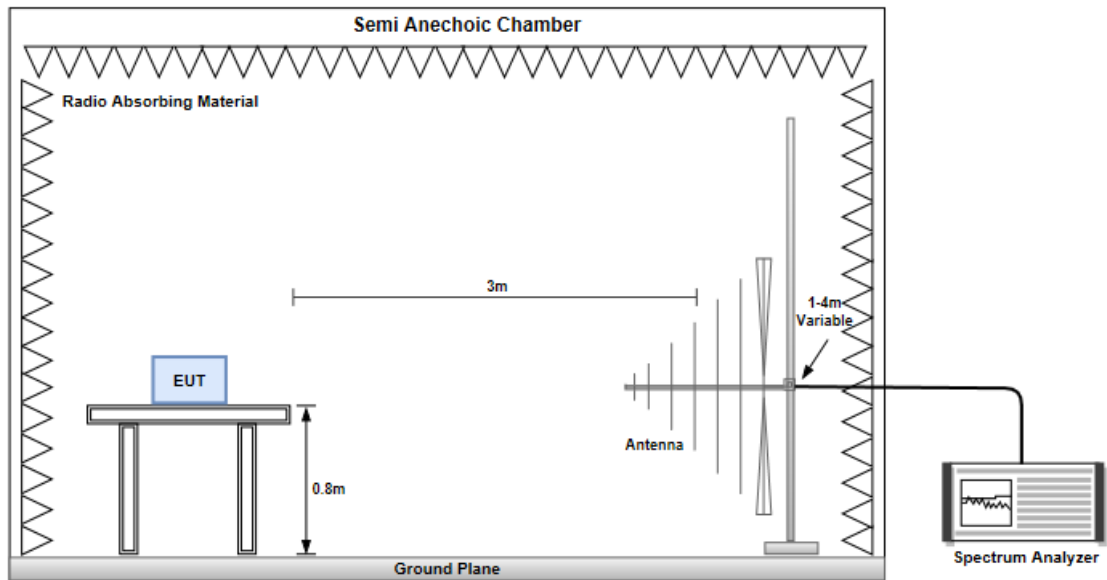
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

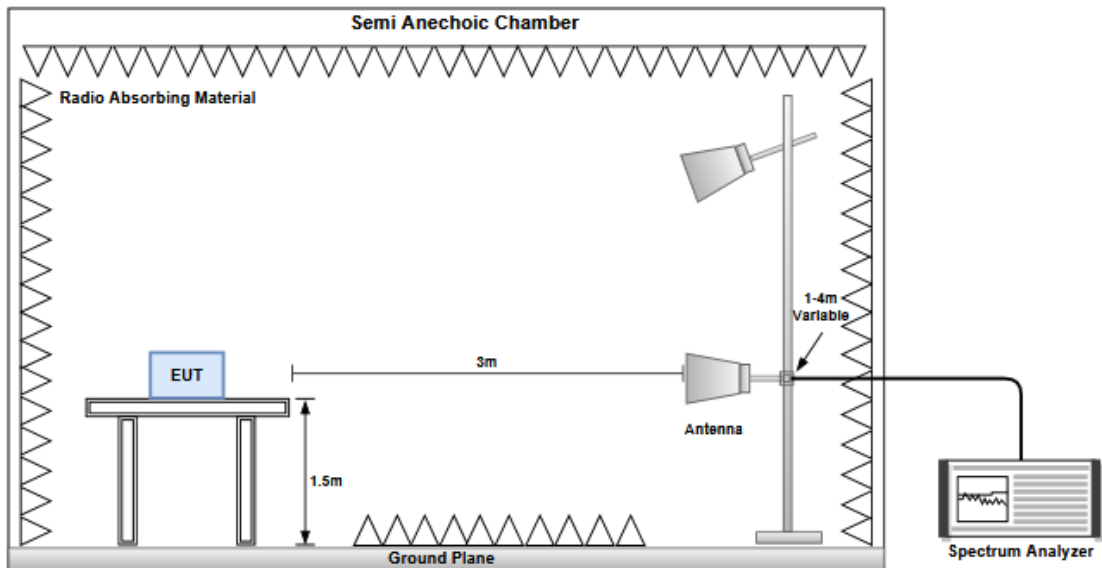
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.1.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.1.4 Test Results

Refer to Appendix A.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <https://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

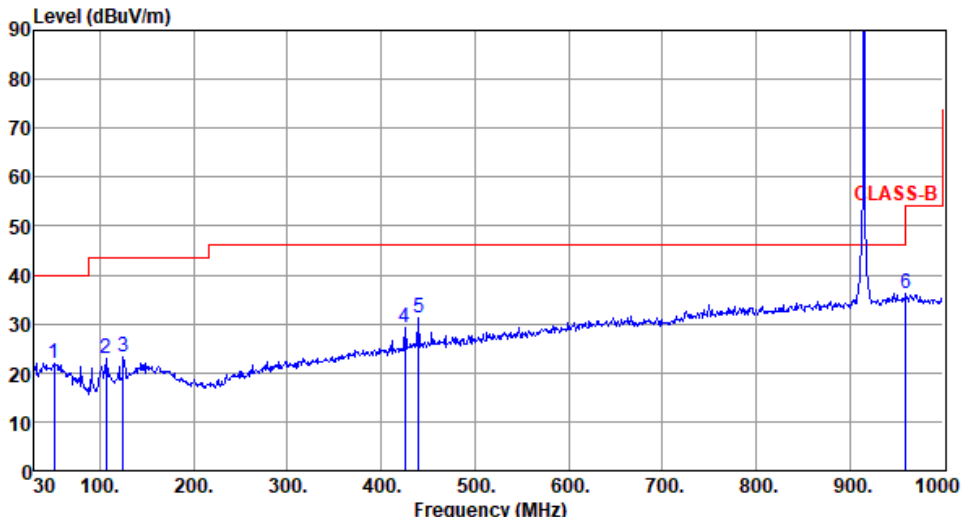
Email: ICC_Service@icertifi.com.tw

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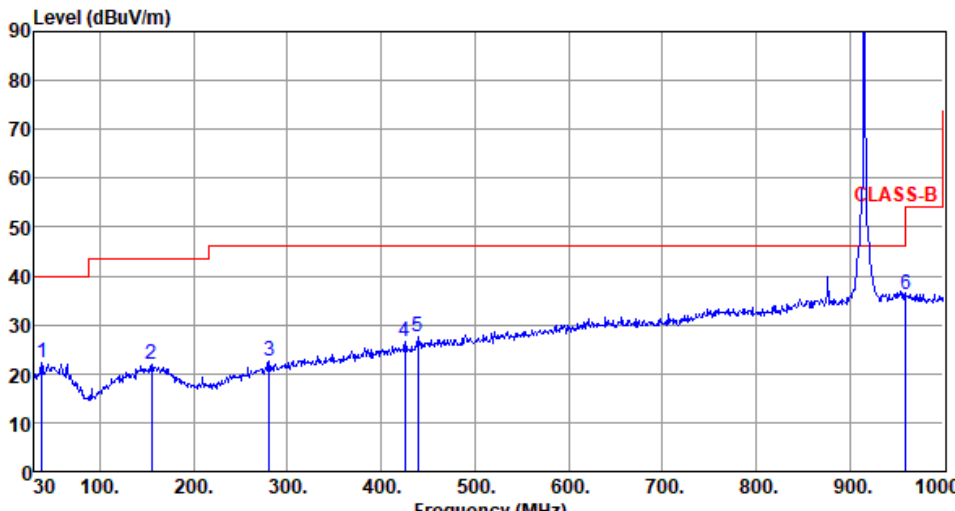
Unwanted Emissions (Below 1GHz)

Modulation	DSSS-OQPSK	Test Freq. (MHz)	915
Polarization	Horizontal		
Test By :Tim Chan Temperature(°C):24 Humidity(%):64			
Level (dBuV/m)			



Modulation	DSSS-OQPSK	Test Freq. (MHz)	915																																																																							
Polarization	Vertical																																																																									
Test By :Tim Chan Temperature(°C):24 Humidity(%):64																																																																										
																																																																										
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Modulation	DSSS-OQPSK	Test Freq. (MHz)	915.35						
Polarization	Horizontal								
Test By :Tim Chan Temperature(°C):24 Humidity(%):64									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	37.76	22.13	40.00	-17.87	31.50	-9.37	Peak	---	---
2	155.13	21.76	43.50	-21.74	30.01	-8.25	Peak	---	---
3	280.26	22.51	46.00	-23.49	30.65	-8.14	Peak	---	---
4	425.76	26.42	46.00	-19.58	30.29	-3.87	Peak	---	---
5	439.34	27.49	46.00	-18.51	30.73	-3.24	Peak	---	---
6	960.00	36.36	46.00	-9.64	29.12	7.24	Peak	---	---
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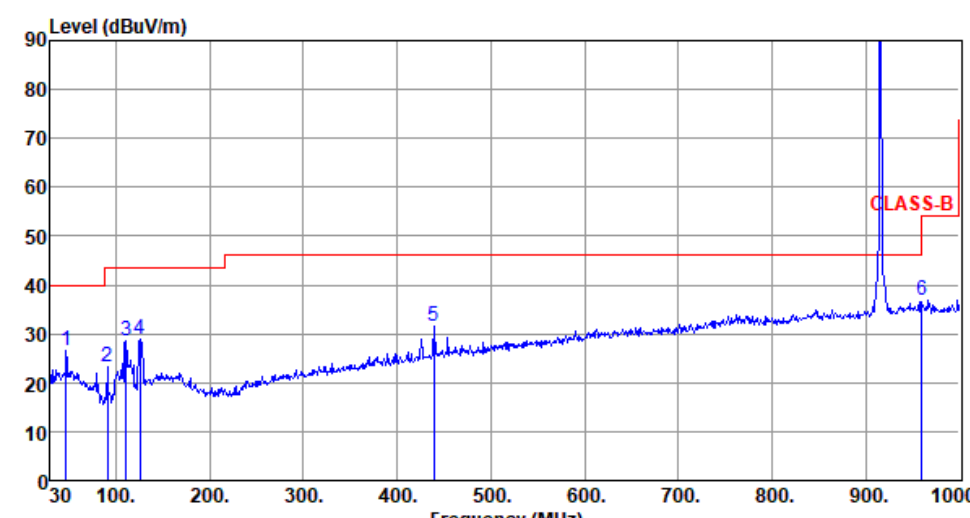


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Modulation	DSSS-OQPSK	Test Freq. (MHz)	915.7																																																																							
Polarization	Vertical																																																																									
Test By :Tim Chan Temperature(°C):24 Humidity(%):64																																																																										
																																																																										
	<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>46.49</td><td>26.60</td><td>40.00</td><td>-13.40</td><td>35.00</td><td>-8.40</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>91.11</td><td>23.21</td><td>43.50</td><td>-20.29</td><td>37.65</td><td>-14.44</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>110.51</td><td>28.44</td><td>43.50</td><td>-15.06</td><td>40.47</td><td>-12.03</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>126.03</td><td>28.76</td><td>43.50</td><td>-14.74</td><td>39.28</td><td>-10.52</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>439.34</td><td>31.48</td><td>46.00</td><td>-14.52</td><td>34.72</td><td>-3.24</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>960.00</td><td>36.81</td><td>46.00</td><td>-9.19</td><td>29.57</td><td>7.24</td><td>Peak</td><td>---</td><td>---</td></tr></table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	46.49	26.60	40.00	-13.40	35.00	-8.40	Peak	---	---	2	91.11	23.21	43.50	-20.29	37.65	-14.44	Peak	---	---	3	110.51	28.44	43.50	-15.06	40.47	-12.03	Peak	---	---	4	126.03	28.76	43.50	-14.74	39.28	-10.52	Peak	---	---	5	439.34	31.48	46.00	-14.52	34.72	-3.24	Peak	---	---	6	960.00	36.81	46.00	-9.19	29.57	7.24	Peak	---	---			
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																										