

FCC 15.249 2.4 GHz Test Report

for

Chungear Industrial Co., Ltd

**12 Jingke 8th Rd Nantun District Taichung
40852 Taiwan**

Product Name : WALL TRANSMITTER
Model Name : TR293A
FCC ID : KUJCE10701

**Prepared by: : AUDIX Technology Corporation,
EMC Department**



The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, TAF or any government agencies.

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TEST REPORT CERTIFICATION

Applicant : Chungear Industrial Co., Ltd
Manufacturer #1 : Chungear Industrial Co., Ltd
Manufacturer #2 : Satellite Electronic (Zhongshan) Ltd.
Manufacturer #3 : Zhongshan Amity Electronic Ltd.
EUT Description
(1) Product : WALL TRANSMITTER
(2) Model : TR293A
(3) Power Supply : DC 3V

Applicable Standards:

47 CFR FCC Part 15 Subpart C
ANSI C63.10:2013

Audix Technology Corp. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Audix Technology Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens and samples.

Date of Report: 2018. 02. 12

Reviewed by:



(Tina Huang/Administrator)

Approved by:



(Ben Cheng/Manager)

1. REVISION RECORD OF TEST REPORT

Edition No	Issued Data	Revision Summary	Report Number
0	2018. 02. 12	Original Report	EM-F180050

2. SUMMARY OF TEST RESULTS

Rule	Description	Results
15.207	Conducted Emission	N/A, Note
15.205/15.209/15.249(a)	Radiated Band Edge and Radiated Spurious Emission Fundamental Frequency	PASS
----	Emission Bandwidth	Reference only
15.203	Antenna Requirement	Compliance
Note: The EUT only employs battery power for operation, so it is unnecessary to test.		

3. GENERAL INFORMATION

3.1. Description of Application

Applicant	Chungear Industrial Co., Ltd 12 Jingke 8th Rd Nantun District Taichung 40852 Taiwan
Manufacture	#1 Chungear Industrial Co., Ltd 12 Jingke 8th Rd Nantun District Taichung 40852 Taiwan #2 Satellite Electronic (Zhongshan) Ltd. 8 CHUANG YE RD.TORCH DEVELOPMENT ZONE..ZHONGSHAN.GUANGDONG.528437 CHINA #3 Zhongshan Amity Electronic Ltd. No. 16 Torch Hi-Tech Industrial Development Zone, Zhong Shan City Guangdong Province China.
Product	WALL TRANSMITTER
Model	TR293A

3.2. Description of EUT

Test Model	TR293A
Serial Number	N/A
Power Rating	DC 3V
RF Features	2.4GHz
Transmit Type	1T1R
Sample Status	Production
Date of Receipt	2018. 01. 09
Date of Test	2018. 02. 05
Interface Ports of EUT	None
Accessories Supplied	None

3.3. Antenna Information

Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Peak Gain (dBi)
---	N/A	PCB Printed	2400	3.123521
			2450	3.137165
			2500	3.271384

3.4. EUT Specifications Assessed in Current Report

Mode	Fundamental Range (MHz)	Channel Number
2.4GHz	2410-2425MHz	3

Mode	Modulation	Data Rate
2.4GHz	FSK	500bps

Channel List
Frequency (MHz)
2410
2420
2425

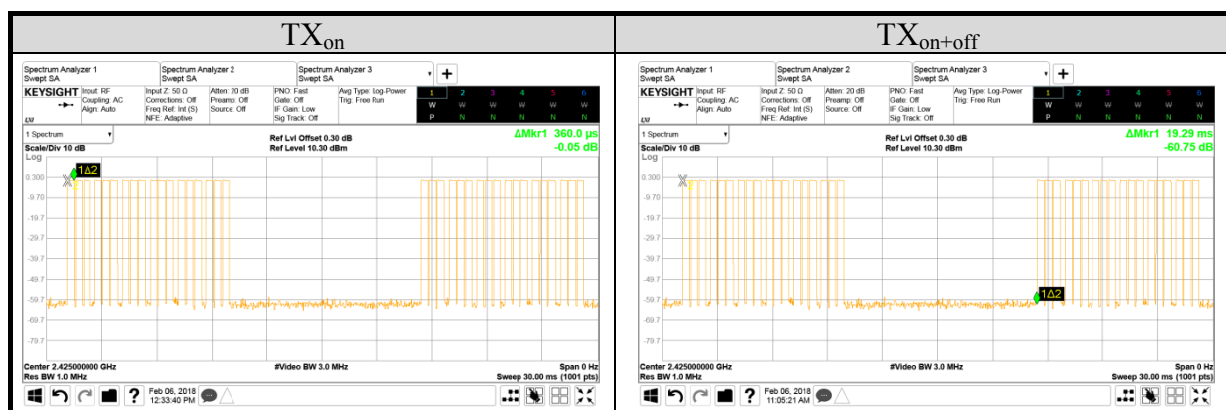
3.5. Descriptions of Key Components

None.

3.6. Test Configuration

● Duty Cycle

TX _{on} (ms)	TX _{on+off} (ms)	Duty Cycle Factor (dB)
18*0.36=6.48	19.29	-9.475
Duty Cycle Factor = 20log (TX _{on} / TX _{on+off})		



Item	Test Channel
Radiated Band Edge ^{Note1}	2410MHz
Radiated Spurious Emission (30MHz-1GHz) ^{Note1}	2420MHz
Radiated Spurious Emission (Above 1GHz) ^{Note1}	2410MHz/2420MHz/2425MHz
Fundamental Frequency	2410MHz/2420MHz/2425MHz
Emission Bandwidth	2410MHz/2420MHz/2425MHz

Note 1: ☒ Mobile Device

☐ Portable Device, and 3 axis were assessed. The worst scenario for Radiated Spurious Emission as follow: ☐ Lie ☐ Side ☐ Stand

3.7. Tested Supporting System List

None.

3.8. Setup Configuration



3.9. Operating Condition of EUT

To press the button of EUT is used for enabling EUT RF function under continues transmitting and choosing data rate/ channel.

3.10. Description of Test Facility

Name of Test Firm	Audix Technology Corporation / EMC Department No. 53-11, Dingfu, Linkou Dist., New Taipei City 244, Taiwan Tel: +886-2-26092133 Fax: +886-2-26099303 Website : www.audixtech.com Contact e-mail: sales@audixtech.com
Accreditations	The laboratory is accredited by following organizations under ISO/IEC 17025:2005 (1) NVLAP(USA) NVLAP Lab Code 200077-0 (2) TAF(Taiwan) No. 1724 (3) FCC OET Designation No. TW1004 & TW1090 & TW1724
Test Facilities	(1) Semi-Anechoic Chamber (IC Test Site Registration No.: 5183B-1) (2) Fully Anechoic Chamber (IC Test Site Registration No.: 5183B-4)

3.11. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
Radiation Test (Distance: 3m)	30MHz~1000MHz	± 3.68dB
	Above 1GHz	± 5.98dB

Remark : Uncertainty = $ku_c(y)$

Test Item	Uncertainty
Emission Bandwidth	± 1kHz

4. MEASUREMENT EQUIPMENT LIST

4.1. Radiated Emission Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A-526	MY53400071	2017. 09. 13	1 Year
2.	Spectrum Analyzer	Agilent	N9010A-526	MY52220368	2017. 11. 08	1 Year
3.	Test Receiver	R & S	ESCS30	100338	2017. 06. 19	1 Year
4.	Amplifier	HP	8447D	2944A06305	2017. 02. 16	1 Year
5.	Amplifier	HP	8449B	3008A02678	2017. 03. 06	1 Year
6.	Bilog Antenna	CHASE	CBL6112D	33821	2018. 01. 21	1 Year
7.	Loop Antenna	R&S	HFH2-Z2	891847/27	2017. 12. 18	1 Year
8.	Double-Ridged Waveguide Horn	ETS-Lindgren	3117	00135902	2017. 03. 08	1 Year
9	Horn Antenna	EMCO	3116	2653	2017. 12. 19	1 Year
10.	2.4GHz Notch Filter	K&L	7NSL10-244 1.5E130.5-00	1	2017. 07. 26	1 Year
11.	3GHz Notch Filter	Microwave	H3G018G1	484798	2017. 08. 25	1 Year
12.	Digital Thermo-Hygro Meter	IMax	HTC-1	No.1 3m A/C	2017. 04. 21	1 Year
13.	Digital Thermo-Hygro Meter	EVERY DAY	E-512	RF-02	2017. 04. 21	1 Year
14.	Test Software	Audix	e3	V.6.110601	N.C.R.	N.C.R.

5. CONDUCTED EMISSION

【The EUT only employs battery power for operation, no conductive emission limits are required according to FCC 15.207】

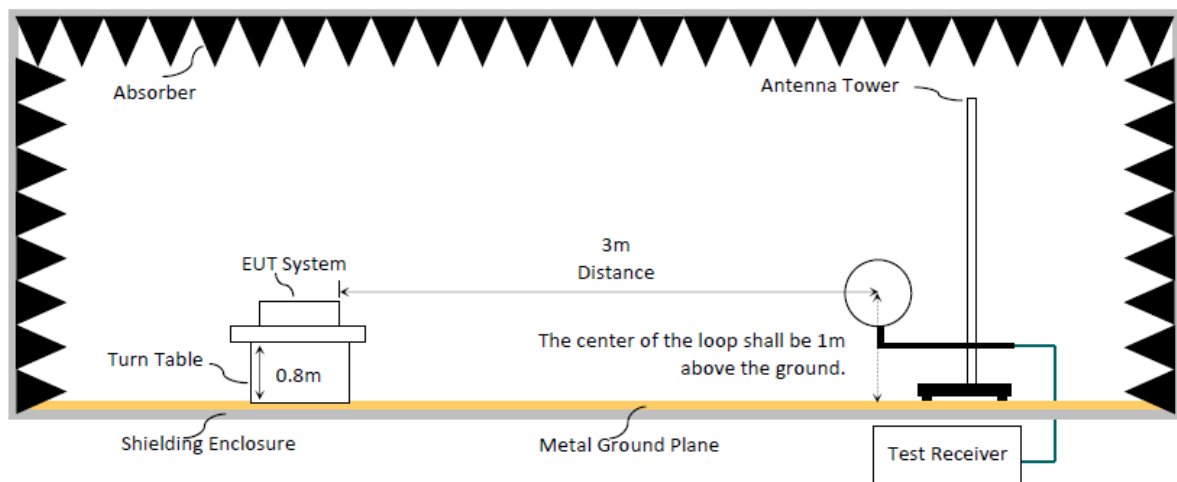
6. RADIATED EMISSION

6.1. Block Diagram of Test Setup

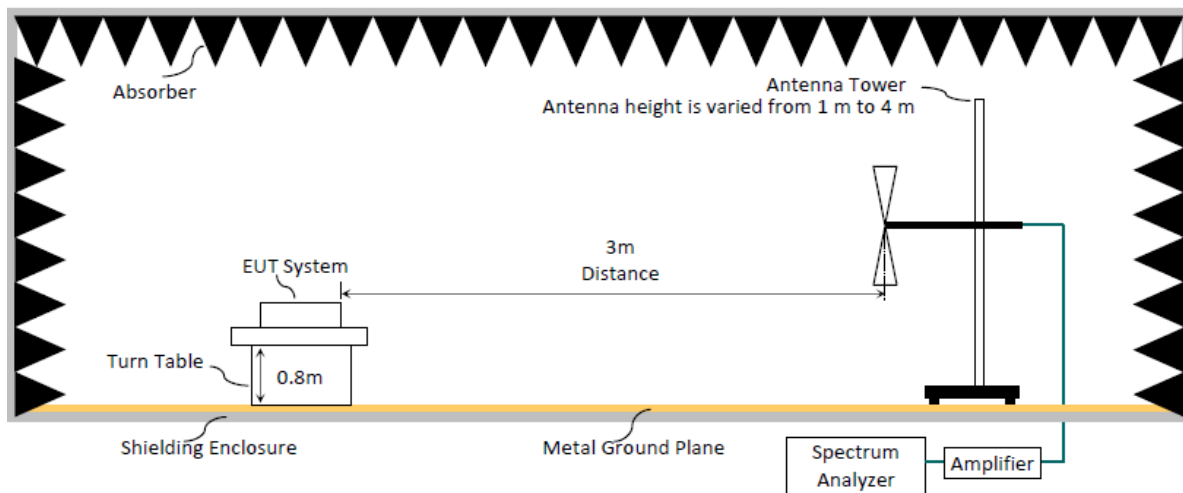
6.1.1. Block Diagram of EUT

Indicated as section 3.9

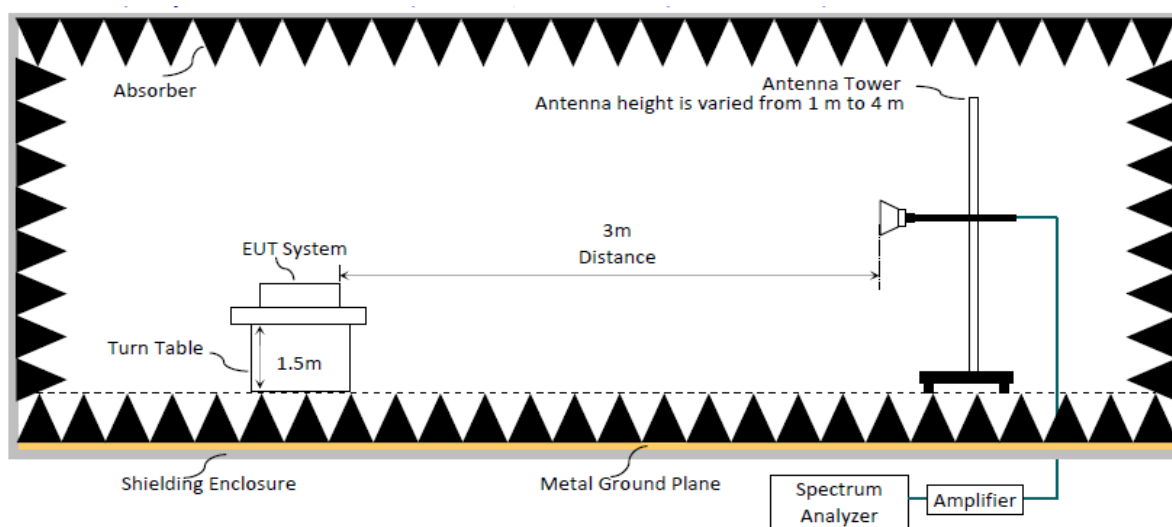
6.1.2. Setup Diagram for 9kHz-30MHz



6.1.3. Setup Diagram for 30-1000 MHz



6.1.4. Setup Diagram for above 1GHz



6.2. Radiated Emission Limits

6.2.1. General Limit

In any 100kHz bandwidth outside the frequency band, the radio frequency power produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified as below.

Frequency (MHz)	Distance (m)	Limits	
		dBμV/m	μV/m
0.009 - 0.490	300	67.6	2400/kHz
0.490 - 1.705	30	87.6	24000/kHz
1.705 - 30	30	29.5	30
30 - 88	3	40.0	100
88 - 216	3	43.5	150
216 - 960	3	46.0	200
Above 960	3	54.0	500
Above 1000	3	74.0 dBμV/m (Peak) 54.0 dBμV/m (Average)	

Remark : (1) $\text{dB}\mu\text{V/m} = 20 \log (\mu\text{V/m})$

- (2) The tighter limit applies to the edge between two frequency bands.
- (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- (4) Fundamental and emission fall within operation band are exempted from this section.
- (5) Pursuant to ANSI C63.10: 6.6.4.3, if the maximized peak measured value complies with the average limit, then it is unnecessary to perform an average measurement.

6.2.2. Limite for Fundamental & Harmonics Frequency

Fundamental Frequency	Field strength of fundamental		Field strength of harmonics	
	mV/m	dB μ V/m	mV/m	dB μ V/m
902-928MHz	50	94 (Quasi-Peak)	0.5	74 (Peak)
				54 (Average)
2400-2483.5MHz	50	114 (Peak)	0.5	74 (Peak)
		94 (Average)		54 (Average)
5725-5875MHz	50	114 (Peak)	0.5	74 (Peak)
		94 (Average)		54 (Average)
24.0-24.25GHz	250	128 (Peak)	2500	88 (Peak)
		108 (Average)		68 (Average)

Remark: mV/m=1000 μ V/m; dB μ V/m = 20 log (μ V/m)

6.3. Test Procedure

Frequency Range 9kHz~30MHz:

The EUT setup on the turn table which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2013 regulation.

- (1) RBW = 9kHz with peak and average detector.
- (2) Detector: average and peak (9kHz-490kHz)

Q.P. (490kHz-30MHz)

Frequency Range 30MHz ~ 25GHz:

The EUT setup on the turn find table which has 80 cm (for 30-1000 MHz) and 1.5m (for above 1GHz) height to the ground. The turn table rotated 360 degrees and antenna varied from 1 m to 4 m to find the maximum emission level. Both horizontal and vertical polarization are required. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2013 regulation.

Frequency below 1 GHz:

Spectrum Analyzer is used for pre-testing with following setting:

- (1) RBW = 120 KHz
- (2) VBW $\geq 3 \times$ RBW.
- (3) Detector = Peak.
- (4) Sweep time = auto.
- (5) Trace mode = max hold.
- (6) Allow sweeps to continue until the trace stabilizes.
- (7) When peak-detected value is lower than limit that the measurement using the Q.P. detector is not required. Otherwise using Q.P. for finally measurement.

Frequency above 1 GHz to 10th harmonic (up to 25 GHz):**Peak Detector:**

- (1) RBW = 1 MHz
- (2) VBW $\geq 3 \times$ RBW.
- (3) Detector = Peak.
- (4) Sweep time = auto.
- (5) Trace mode = max hold.
- (6) Allow sweeps to continue until the trace stabilizes.
- (7) When peak-detected value is lower than limit that the measurement using the average detector is not required. Otherwise using average detector for finally measurement.

Average Detector:☐ **Option 1:**

- (1) RBW = 1 MHz
- (2) VBW $\geq 1/T$.

Modulation Type	T (ms)	1/T (kHz)	VBW Setting (kHz)
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N/A: 1/T is not implemented when duty cycle presented in section 3.6 is $\geq 98\%$.

- (1) Detector = Peak.
- (2) Sweep time = auto.
- (3) Trace mode = max hold.
- (4) Allow sweeps to continue until the trace stabilizes.

☒ **Option 2:**

Average Emission Level = Peak Emission Level + D.C.C.F.

6.4. Measurement Result Explanation

☒ Peak Emission Level = Antenna Factor + Cable Loss + Meter Reading

☐ Average Emission Level = Antenna Factor + Cable Loss + Meter Reading

☒ Average Emission Level = Peak Emission Level + DCCF

Duty Cycle Correction Factor (DCCF) = $20\log(TX_{on}/TX_{on+off})$ presented in section 3.6

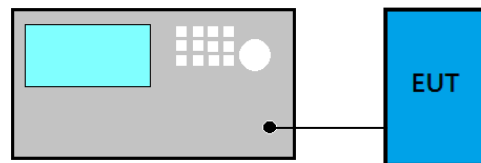
☐ ERP = Peak Emission Level - 95.2 dB - 2.14 dB

6.5. Test Results

Please refer to Appendix A.

7. EMISSION BANDWIDTH MEASUREMENT

7.1. Block Diagram of Test Setup



7.2. Test Procedure

- (1) Set RBW close to 1-5 % of OBW.
- (2) Set $VBW \geq RBW$.
- (3) Detector = Peak.
- (4) Trace mode = max hold.
- (5) Sweep = auto couple.
- (6) Allow the trace to stabilize.
- (7) Setting channel bandwidth function x dB to -6 dB to record the final bandwidth.

7.3. Test Results

Please refer to Appendix A

8. DEVIATION TO TEST SPECIFICATIONS

【NONE】



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APPENDIX A

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APPDNDIX A

TEST DATA AND PLOTS

(Model: TR293A)

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A.2.1 Emission Bandwidth.....	11
A.2.2 Measurement Plots	11

A.1 RADIATED EMISSION

Test Date	2018/02/05	Temp./Hum.	24°C/53%
Test Voltage	DC 3V (via Battery)		

A.1.1 Emissions Applied to General Requirement

A.2.1.1 Frequency 9kHz~30MHz

The emissions (9kHz~30MHz) not reported for there is no emission be found.

A.2.1.2 Frequency Below 1 GHz

Mode	2.4GHz	Frequency	TX 2420MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.91	23.32	1.26	1.49	26.07	40.00	13.93	Peak
126.03	18.50	2.57	5.46	26.53	43.50	16.97	Peak
419.94	22.31	5.75	2.31	30.37	46.00	15.63	Peak
610.06	24.67	6.79	1.13	32.59	46.00	13.41	Peak
949.56	27.32	8.50	1.71	37.53	46.00	8.47	Peak
992.24	27.76	8.79	1.05	37.60	54.00	16.40	Peak

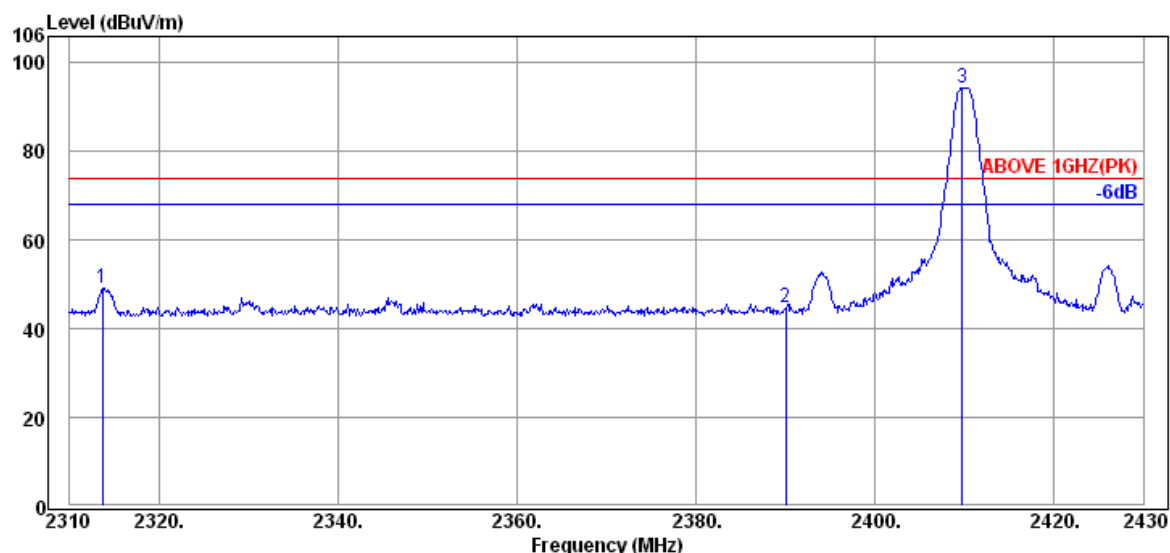
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
35.82	21.82	1.33	1.34	24.49	40.00	15.51	Peak
114.39	18.48	2.44	2.85	23.77	43.50	19.73	Peak
330.70	20.34	4.72	3.04	28.10	46.00	17.90	Peak
562.53	24.12	6.64	2.07	32.83	46.00	13.17	Peak
852.56	26.41	7.92	2.11	36.44	46.00	9.56	Peak
961.20	27.46	8.59	1.88	37.93	54.00	16.07	Peak

A.2.1.3 Frequency Above 1 GHz to 10th harmonics

Band Edge:

Mode	2.4GHz	Frequency	TX 2410MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2313.72	32.03	6.47	10.83	49.33	74.00	24.67	Peak
2390.04	32.16	6.57	5.94	44.67	74.00	29.33	Peak
2409.72	32.18	6.59	55.66	94.43	---	---	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2313.72	49.33	-9.475	39.86	54.00	14.14	Average
2390.04	44.67	-9.475	35.20	54.00	18.80	Average

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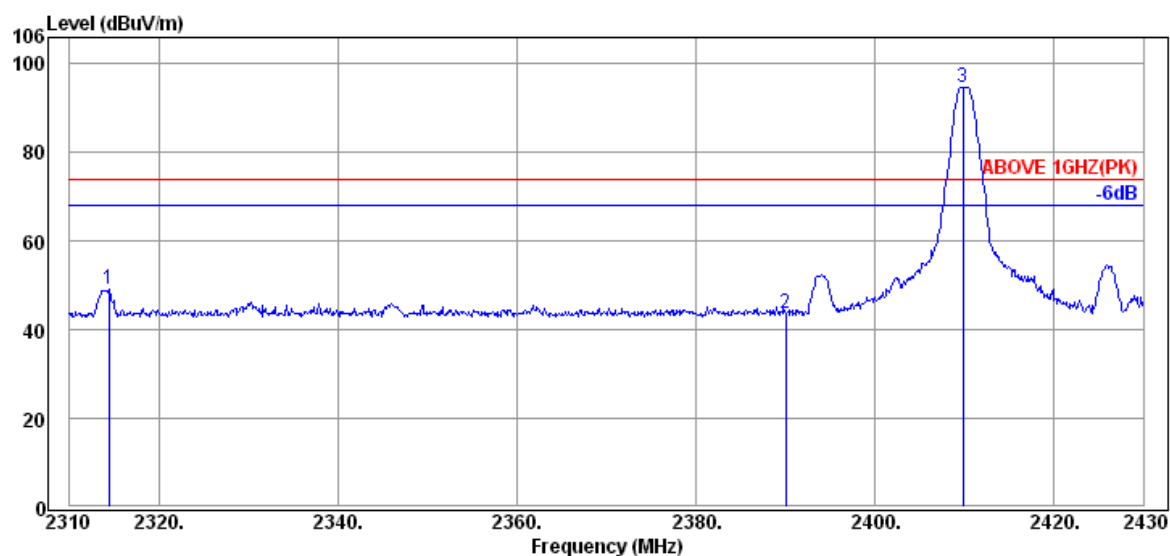
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Mode	2.4GHz	Frequency	TX 2410MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2314.44	32.03	6.47	10.68	49.18	74.00	24.82	Peak
2390.04	32.16	6.57	4.93	43.66	74.00	30.34	Peak
2409.84	32.18	6.59	56.00	94.77	---	---	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2314.44	49.18	-9.475	39.71	54.00	14.29	Average
2390.04	43.66	-9.475	34.19	54.00	19.81	Average

A.2.1.3 Frequency Above 1 GHz

Mode	2.4GHz	Frequency	TX 2410MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
4820.00	34.23	9.54	11.41	55.18	74.00	18.82	Peak
7230.00	35.80	11.82	2.23	49.85	74.00	24.15	Peak

Emission Frequency (MHz)	Peak Emission Level (dB μ V/m)	DCCF (dB)	Average Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
4820.00	55.18	-9.475	45.71	54.00	8.29	Average
7230.00	49.85	-9.475	40.38	54.00	13.62	Average

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
4820.00	34.23	9.54	10.50	54.27	74.00	19.73	Peak
7230.00	35.80	11.82	-1.77	45.85	74.00	28.15	Peak

Emission Frequency (MHz)	Peak Emission Level (dB μ V/m)	DCCF (dB)	Average Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
4820.00	54.27	-9.475	44.80	54.00	9.20	Average
7230.00	45.85	-9.475	36.38	54.00	17.62	Average

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Mode	2.4GHz	Frequency	TX 2420MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
4840.00	34.24	9.55	11.75	55.54	74.00	18.46	Peak
7260.00	35.80	11.85	1.49	49.14	74.00	24.86	Peak

Emission Frequency (MHz)	Peak Emission Level (dB μ V/m)	DCCF (dB)	Average Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
4840.00	55.54	-9.475	46.07	54.00	7.93	Average
7260.00	49.14	-9.475	39.67	54.00	14.33	Average

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
4840.00	34.24	9.55	11.29	55.08	74.00	18.92	Peak
7260.00	35.80	11.85	-1.57	46.08	74.00	27.92	Peak

Emission Frequency (MHz)	Peak Emission Level (dB μ V/m)	DCCF (dB)	Average Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
4840.00	55.08	-9.475	45.61	54.00	8.39	Average
7260.00	46.08	-9.475	36.61	54.00	17.39	Average

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Mode	2.4GHz	Frequency	TX 2425MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4850.00	34.24	9.55	12.90	56.69	74.00	17.31	Peak
7275.00	35.80	11.87	3.56	51.23	74.00	22.77	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
4850.00	56.69	-9.475	47.22	54.00	6.78	Average
7275.00	51.23	-9.475	41.76	54.00	12.24	Average

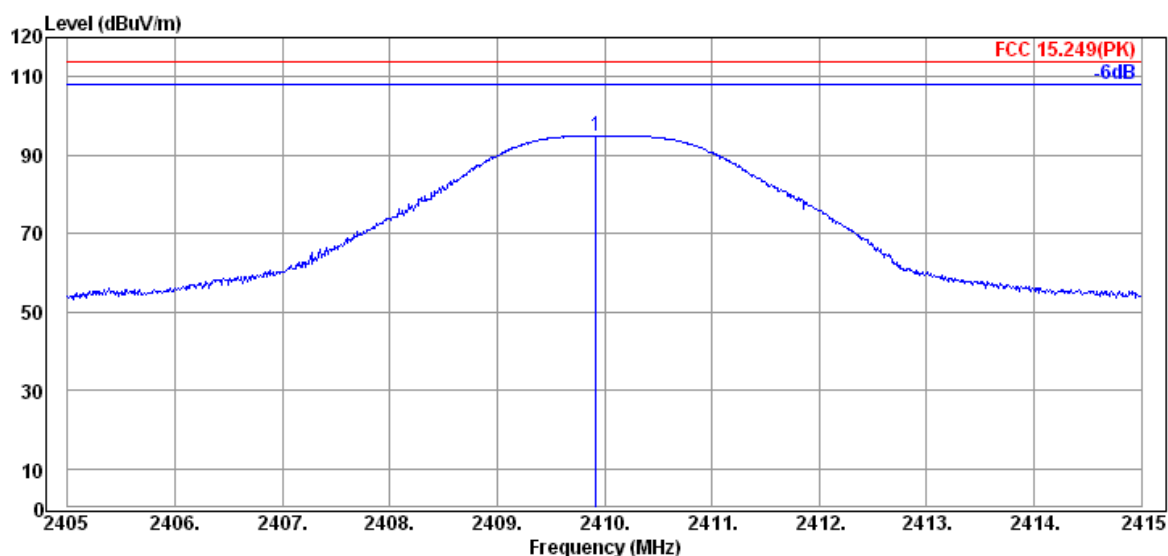
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4850.00	34.24	9.55	11.79	55.58	74.00	18.42	Peak
7275.00	35.80	11.87	-0.23	47.44	74.00	26.56	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
4850.00	55.58	-9.475	46.11	54.00	7.89	Average
7275.00	47.44	-9.475	37.97	54.00	16.03	Average

A.1.2 Fundamental Frequency

Mode	2.4GHz	Frequency	TX 2410MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2409.92	32.18	6.59	56.01	94.78	114.00	19.22	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2409.92	94.78	-9.475	85.31	94.00	8.69	Average

Remark: Horizontal is the strongest polarization and peak value has complied with average limit, so vertical won't be listed in test report.

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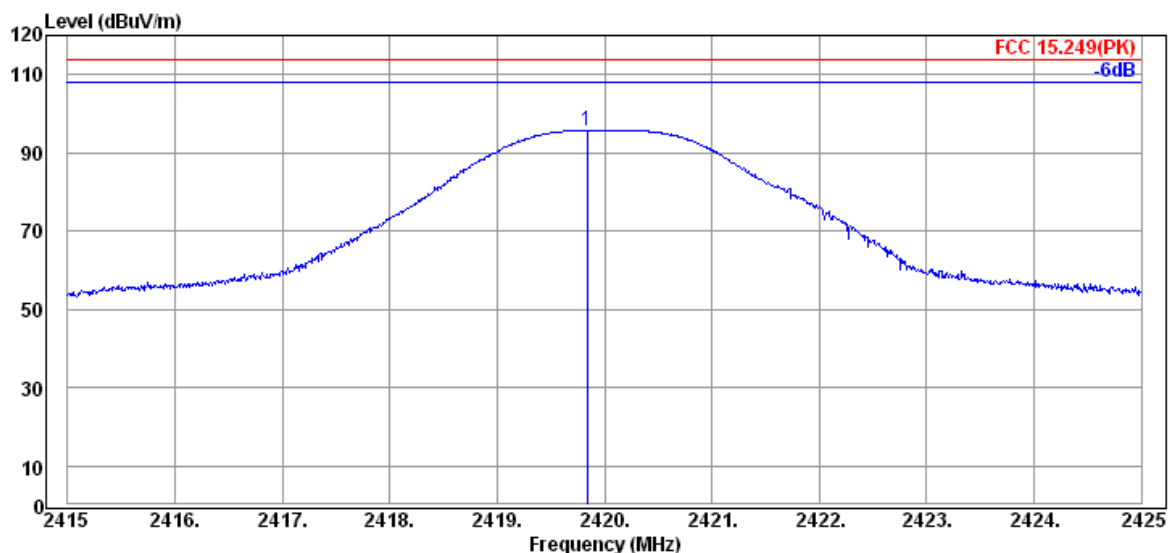
No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

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Mode	2.4GHz	Frequency	TX 2420MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2419.84	32.20	6.61	56.83	95.64	114.00	18.36	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2419.84	95.64	-9.475	86.17	94.00	7.83	Average

Remark: Horizontal is the strongest polarization and peak value has complied with average limit, so vertical won't be listed in test report.

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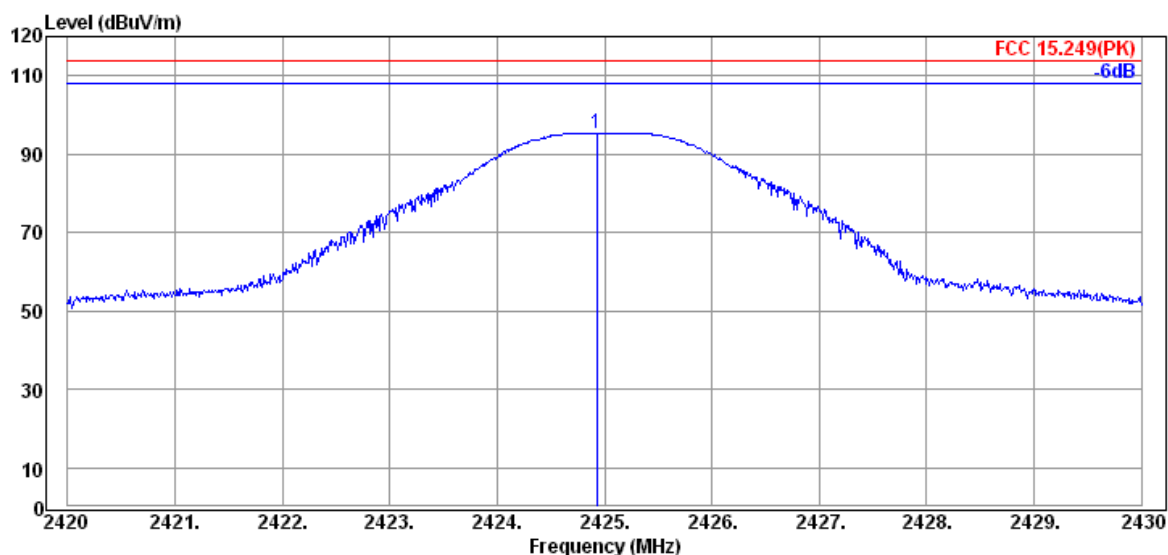
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Mode	2.4GHz	Frequency	TX 2425MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2424.93	32.20	6.61	56.49	95.30	114.00	18.70	Peak

Emission Frequency (MHz)	Peak Emission Level (dBμV/m)	DCCF (dB)	Average Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2424.93	95.30	-9.475	85.83	94.00	8.17	Average

Remark: Vertical is the strongest polarization and peak value has complied with average limit, so horizontal won't be listed in test report.

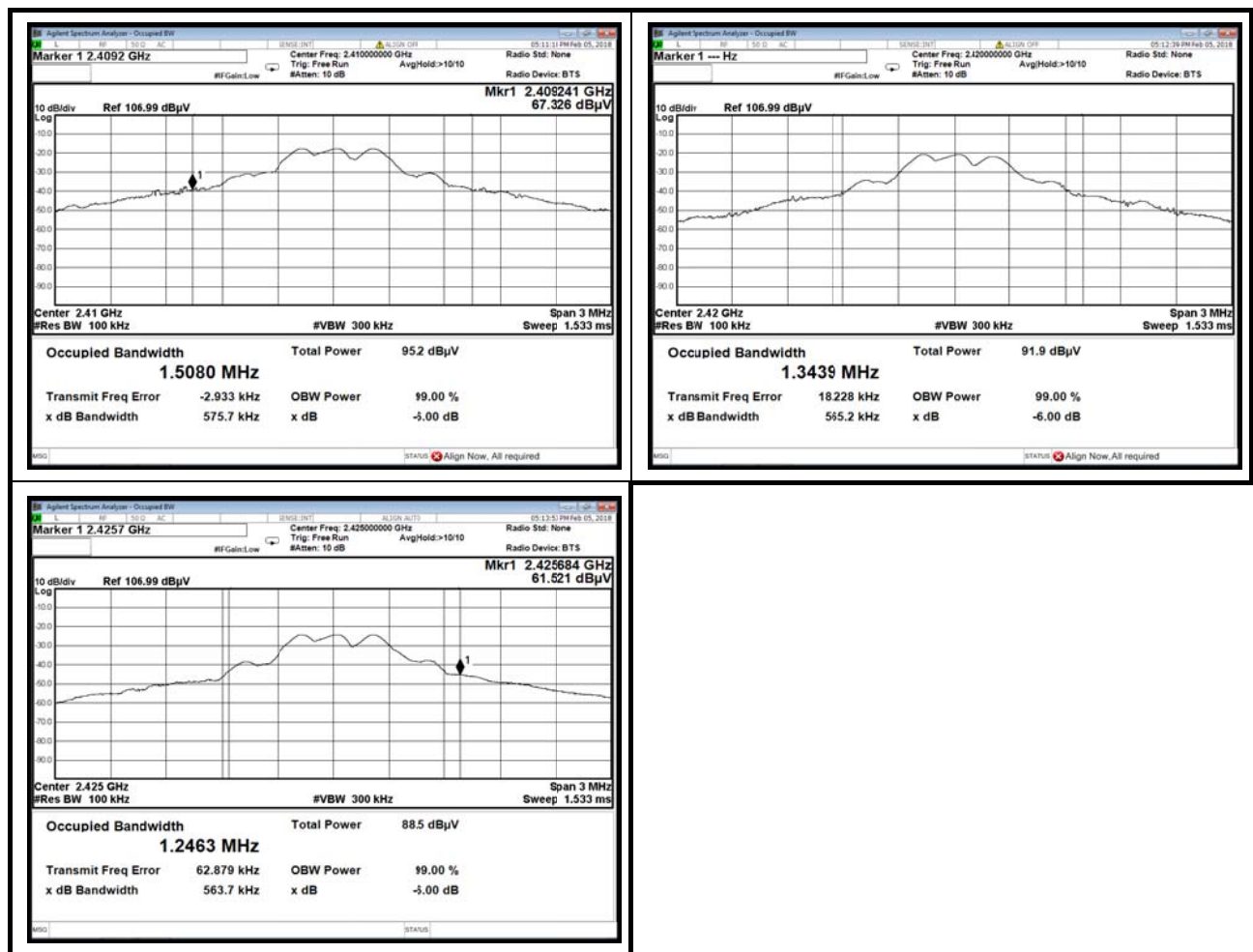
A.2 EMISSION BANDWIDTH MEASUREMENT

Test Date	2018/02/05	Temp./Hum.	23°C/55%
Test Voltage	DC 3V (via Battery)		

A.2.1 Emission Bandwidth

Mode	Centre Frequency (MHz)	99% Occupied Bandwidth (MHz)
2.4GHz	2410	1.5080
	2420	1.3439
	2425	1.2463

A.2.2 Measurement Plots





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APPENDIX B

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APPDNDIX B

TEST PHOTOGRAPHS

(Model: TR293A)