

47 CFR PART 15 SUBPART C TEST REPORT

for

Smart Deadbolt

Model No.: D315

FCC ID: 2AWL8-D00001

of

Applicant: WAFERLOCK Corp.

**Address: No.16, Keyuan 2nd Rd., Xitun Dist., Taichung City, 407
Taiwan**

Tested and Prepared

By

Worldwide Testing Services (Taiwan) Co., Ltd.

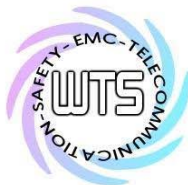
FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634



Report No.: W6M22604-25094-C-2

6F., No. 58, Ln. 188, Rueiguang Rd., Neihu Dist., Taipei City, Taiwan (R.O.C.)
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wtst@wtst-lab.com



Registration number: W6M22604-25094-C-2

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems. The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-

1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

Tester:

May 14, 2026

Sky Liu

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

May 14, 2026

Kevin Wang

Date

WTS

Name

Signature



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1.2 Testing laboratory

1.2.1 Location

10m OATS

No.5-1, Lishui, Shuang Sing Village, Wanli Dist.,

New Taipei City 207, Taiwan (R.O.C.)

3 meter semi-anechoic chamber

No. 99, Sec. 1, Balian Rd., Xizhi Dist.,

New Taipei City 221032, Taiwan (R.O.C.)

Worldwide Testing Services (Taiwan) Co., Ltd.

6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,

Taipei City 114, Taiwan (R.O.C.)

Tel: 886-2-6606-8877

1.2.2 Details of accreditation status

Accredited testing laboratory

FCC filed test laboratory Reg. No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :

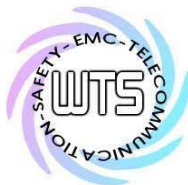
Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.



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1.3 Details of approval holder

Name: WAFERLOCK Corp.
Street: No.16, Keyuan 2nd Rd., Xitun Dist.,
City: Taichung City, 407
Country: Taiwan

1.4 Application details

Date of receipt of test item: April 28, 2026
Date of test: from April 29, 2026 to May 12, 2026

1.5 General information of Test item

Description of test item: Smart Deadbolt
Type identification: D315
Multi-listing model number: ./.
Transmitting frequency: 13.56 MHz
Operation mode: Duplex
Voltage supply: Battery 6Vd.c. (AA*4)
Antenna type: PCB Antenna
Antenna gain: 0 dBi
Sample no.: #01

Manufacturer: (if applicable)

Name: ./.
Street: ./.
Town: ./.
Country: ./.

1.6 Test standards

47 CFR PART 15 SUBPART C § 15.225 (2024-10)

1.7 Test procedure

ANSI C63.10-2020+ Cor.1-2023+C63.10a-2024



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2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

or

The deviations were ascertained in the course of the tests performed. ☐

2.2 Test environment

Relative humidity content: 20 ... 75 %

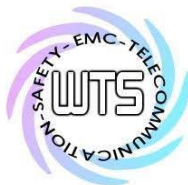
Air pressure: 86 ... 103 kPa

Details of power supply: Battery 6Vd.c. (AA*4)

Extreme conditions parameters: ./.

Test item Name	Measurement Uncertainty
Estimation Result of Uncertainty of Conducted Emission (Power Line Conducted Emission)	Expanded Uncertainty : AMN : 0.90 dB Voltage probe : 1.18 dB Include Pulse Limiter : 1.44 dB
Estimation Result of Uncertainty of Radiated Emission(3M-966A) (Output Power (Field Strength), Out of Band Radiated Emissions, Band Edge)	Expanded Uncertainty : 0.009-30 MHz : 1.85 dB 30-1000 MHz : 4.21 dB 1-18 GHz : 3.19 dB 18-40 GHz : 1.90 dB
Estimation Result of Uncertainty of Bandwidth Measurement (Occupied Bandwidth)	Expanded Uncertainty : 0.37 kHz
Estimation Result of Uncertainty of Frequency Drift Measurement (Frequency tolerance)	Expanded Uncertainty : 6.11 Hz

The decision rule is: Measurement uncertainty is not included in the calculation of test results.



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2.3 Test Equipment List

POWER & Occupied bandwidth

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2025/9/10	2026/9/9
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2026/4/20	2027/4/19
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
ETSTW-Cable 090	N type Cable (15m)	EMCCFD400-NM-NM-15000	230732	EMCI	2025/8/1	2026/7/31

Spurious emission

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2025/9/10	2026/9/9
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2026/4/20	2027/4/19
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2025/7/11	2026/7/10
ETSTW-RE 176	Loop Antenna	FMZB 1513-60	39	SCHWARZBECK	2025/8/16	2026/8/15
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168&EMCI-N-6-06	01380&AT-06007	SCHWARZBECK&EMC	2026/4/17	2027/4/16
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2025/7/11	2026/7/10
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2025/7/11	2026/7/10
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2025/7/11	2026/7/10
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
ETSTW-Cable 090	N type Cable (15m)	EMCCFD400-NM-NM-15000	230732	EMCI	2025/8/1	2026/7/31

Frequency tolerance

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-CE 041	TEMP.&HUMIDITY CHAMBER	GTH-225-40-CP-AR	MAA2602-005	GIANT FORCE	2026/1/16	2027/1/15
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2026/3/12	2027/3/11



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2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI C63.10-2020+ Cor.1-2023+C63.10a-2024 6.2 using a LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI C63.10-2020+ Cor.1-2023+C63.10a-2024 6.3 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBμV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

$$\begin{aligned} \text{Freq (MHz)} \quad & \text{METER READING} + \text{ACF} + \text{CABLE LOSS (to the receiver)} = \text{FS} \\ & 20 \text{ dB}\mu\text{V} + 10.36 \text{ dB} + 6 \text{ dB} = 36.36 \text{ dB}\mu\text{V/m @3m} \end{aligned}$$

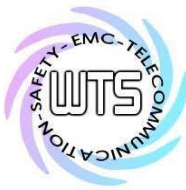
The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.10-2020+ Cor.1-2023+C63.10a-2024 Section 6.2.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over



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one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:

Average = Peak + Duty Factor

Duty Factor = $20 \log (\text{dwell time}/T)$

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANSI C63.10-2020+ Cor.1-2023+C63.10a-2024 B.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software 'EZ EMC' was used for setting up different operation modes.



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3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Output Power Field Strength	15.225 (a) (b) (c)	☒	☒	☐
Out of Band Radiated Emissions	15.225 (d)	☒	☒	☐
Band Edge	15.225 (d)	☒	☒	☐
Occupied Bandwidth	2.1049	☒	☒	☐
Frequency Stability	15.225 (e)	☒	☒	☐
Power Line Conducted Emission	15.207 (a)	☐	☐	☐

The following is intentionally left blank.



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3.1 Output Power (Field Strength)

FCC Rules: 15.225 (a) (b) (c), 15.205, 15.209, 15.35

Operation within the band 13.110 - 14.010 MHz

Limit

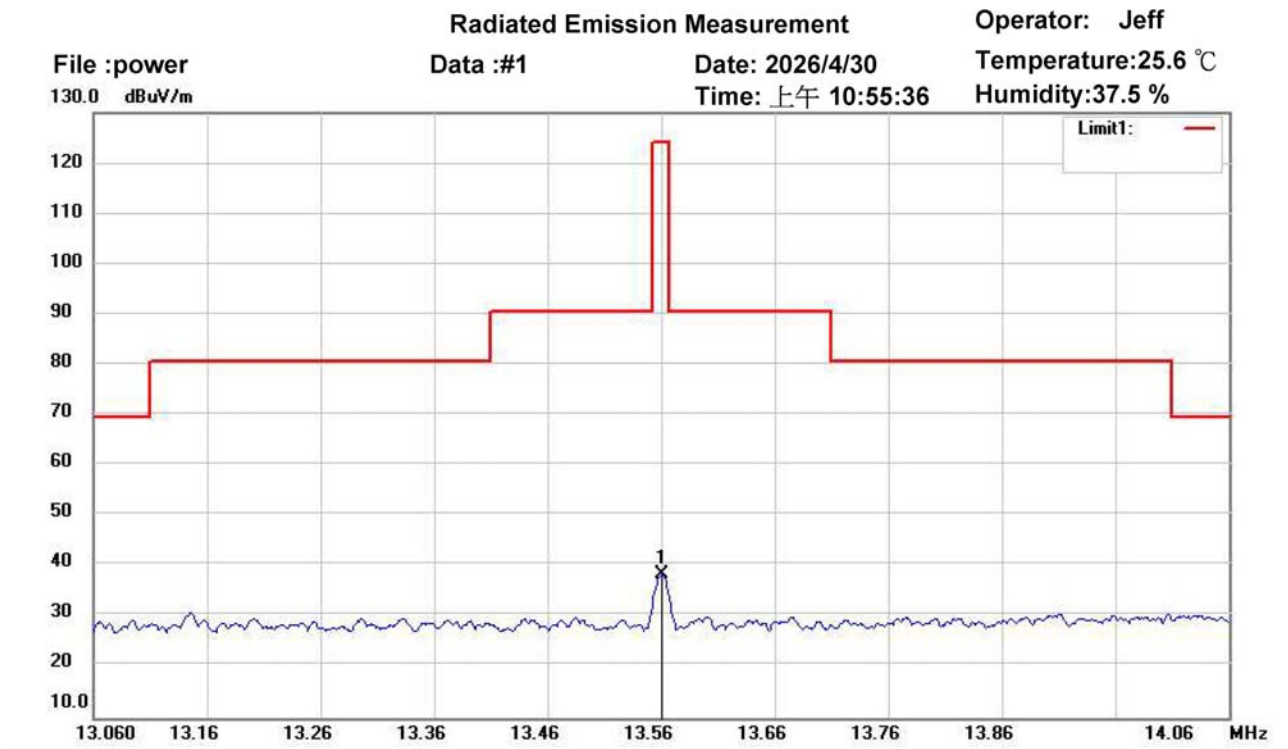
(a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

(b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

Measurement Results:

The field strength at 3 meter distance as 38.21 dB μ V/m. Extrapolated with 40dB to 30 meter distance it would be -1.79 dB μ V/m.



Site : 966A Chamber

Condition : FCC 15.225 power (3m)(13.56MHz)

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: 0

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dB μ V)	Detector	Corr. factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	13.5600	38.21	peak	0.00	38.21	124.00	100	0	-85.79	



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Radiated Emission Measurement

Operator: Jeff

File :power
130.0 dBuV/m

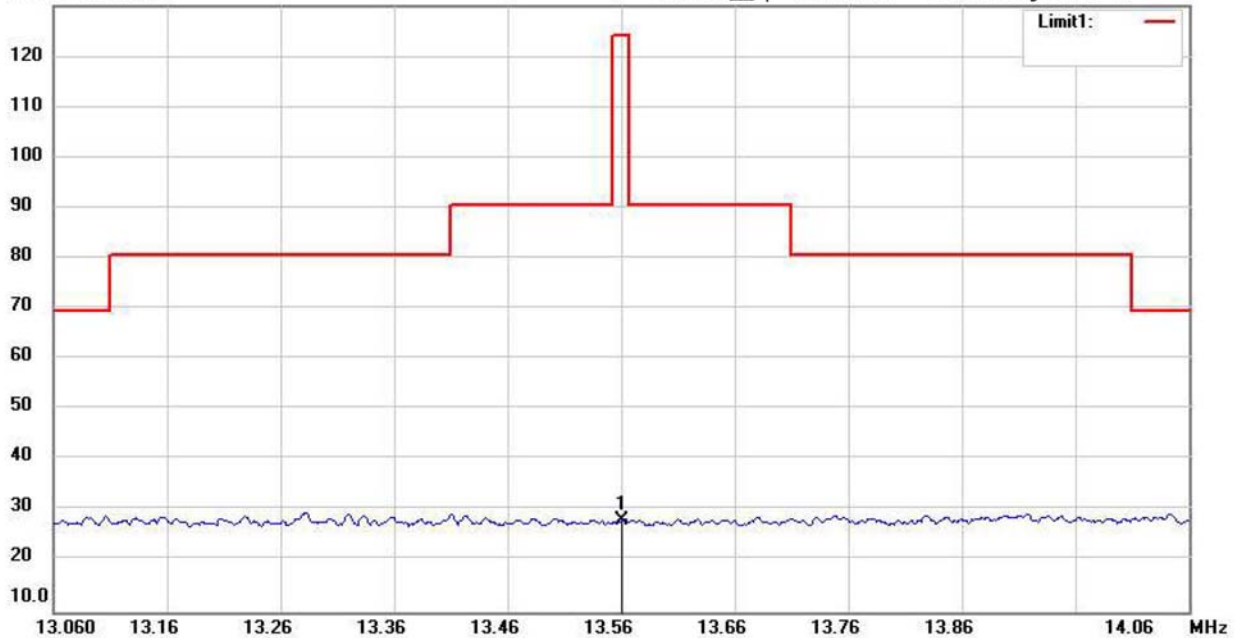
Data :#2

Date: 2026/4/30

Temperature:25.6 °C

Time: 上午 10:58:33

Humidity:37.5 %



Site : 966A Chamber

Condition : FCC 15.225 power (3m)(13.56MHz)

Polarization: 90

EUT : W6M22604-25094

Power : 6 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 13.56MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	13.5600	28.05	peak	0.00	28.05	124.00	100	360	-95.95	



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3.2 Out of Band Radiated Emissions

(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

Frequency of Emission (MHz)	Limit	Measurement distance
0.009 – 0.490	$2400 / f \text{ (KHz)}$	300
0.49 – 1.705	$24000 / f \text{ (KHz)}$	30
1.705 – 30	30	30
30 – 88	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

Summary table with radiated data of the test plots

Note

- 1. Correction Factor = Antenna factor + Cable loss - Preamplifier**
- 2. The formula of measured value as: Test Result = Reading + Correction Factor**
- 3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.**
- 5. See attached diagrams in appendix.**

Explanation: See attached diagrams for above 30MHz in appendix. For receiver part of above 30 MHz, Please refer to test report no.: W6M22604-25094-P-15B.

All other not noted test plots do not contain significant test results in relation to the limits

Test results: The unit meet the FCC requirements.



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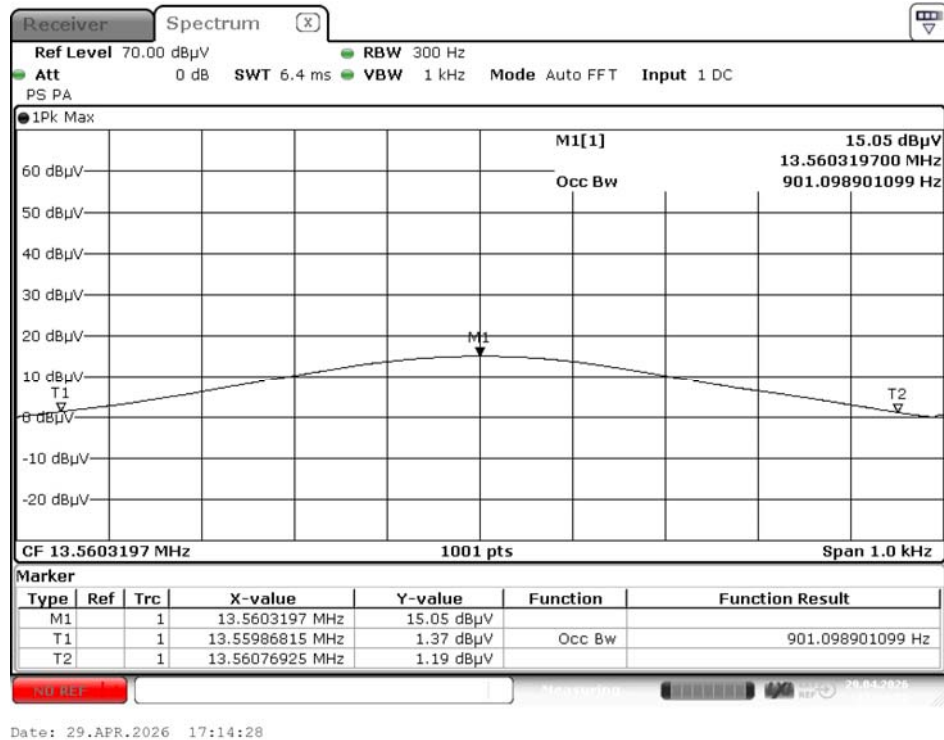
3.3 Occupied Bandwidth

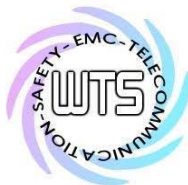
Test date: April 29, 2026

Temperature: 25.4 °C

Humidity: 38.4 %

Tester: Jeff





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3.4 Frequency tolerance

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency over a temperature variation of -20°C to +50°C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20°C. For battery operated equipment, the equipment tests shall be performed using a new battery.

Test date: May 04, 2026

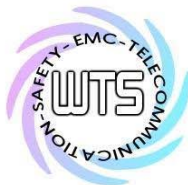
Temperature: 25.9 °C

Humidity: 59.8 %

Tester: Sky

Measurement Results:

Frequency stability VS temperature			Test Voltage : 6Vd.c.	
Temperature (°C)	Duration Time (minutes)	Frequency (MHz)	Frequency deviation (kHz)	Result (%)
50	0	13.560465	-0.056	-0.00041
	2	13.560465	-0.056	-0.00041
	5	13.560465	-0.056	-0.00041
	10	13.560465	-0.056	-0.00041
40	0	13.560465	-0.056	-0.00041
	2	13.560465	-0.056	-0.00041
	5	13.560465	-0.056	-0.00041
	10	13.560465	-0.056	-0.00041
30	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0
20	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0
10	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0
0	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0



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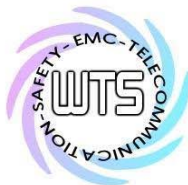
Registration number: W6M22604-25094-C-2

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Frequency stability VS temperature			Test Voltage : 6Vd.c.	
Temperature (°C)	Duration Time (minutes)	Frequency (MHz)	Frequency deviation (kHz)	Result (%)
-10	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0
-20	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0

Frequency stability VS Voltage			Test temperature : 20°C	
Voltage (Vd.c.)	Duration Time (minutes)	Frequency (MHz)	Frequency deviation (kHz)	Result (%)
5.4	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0
6	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0
6.6	0	13.560521	0	0
	2	13.560521	0	0
	5	13.560521	0	0
	10	13.560521	0	0

*Represent test standard frequency



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3.5 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

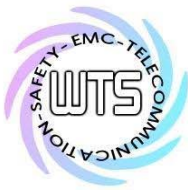
This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

Frequency	Level (dBμV)	
	quasi-peak	average
150 kHz	Lower limit line	Lower limit line

- Note:**
1. The formula of measured value as: **Test Result = Reading + Correction Factor**
 2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
 3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
 4. All not in the table noted test results are more than 20 dB below the relevant limits.
 5. Up Line: QP Limit Line, Down Line: Ave Limit Line.
 6. This test is not required because the EUT is powered by battery.

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBUV)	
	Quasi Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50



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Appendix

Measurement diagrams

Radiated Emissions



Address: No.99, Sec.1, Balian Rd., Xizhi Dist., New Taipei City
 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Jeff

File :1

Data :#1

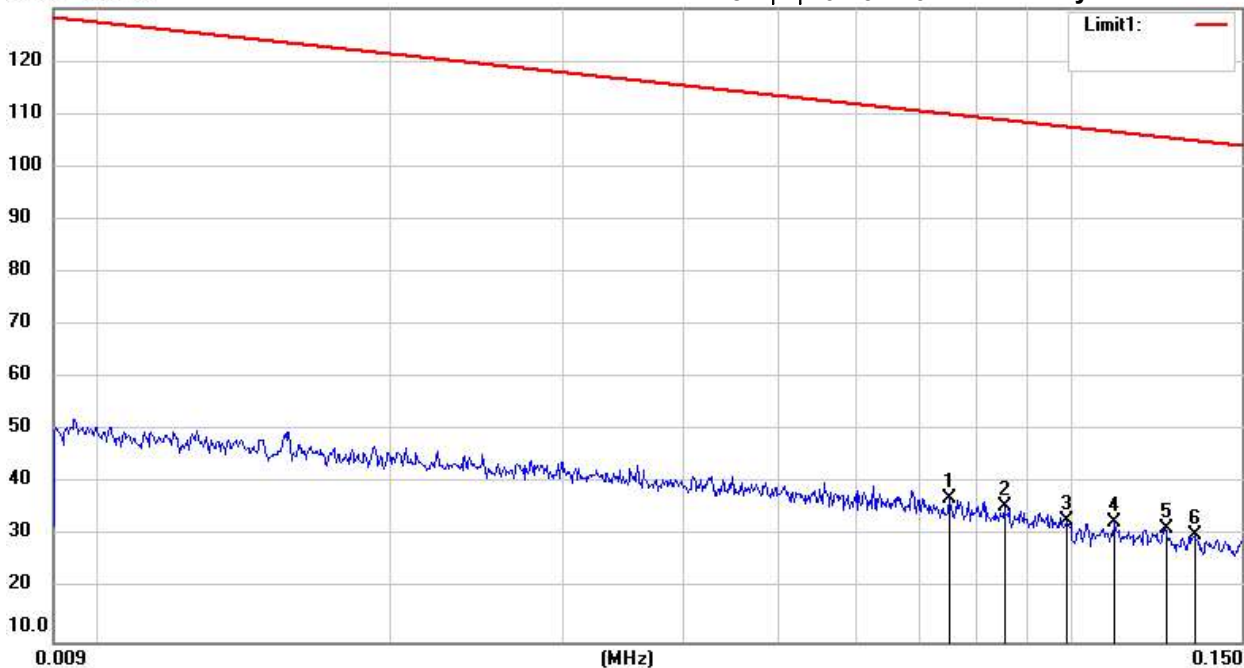
Date: 2026/4/29

Temperature: 25.4 °C

130.0 dBuV/m

Time: 下午 04:34:49

Humidity: 38.4 %



Site : 966A Chamber

Condition : FCC 15.225 RE (3m)(13.56MHz)

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: 0

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	0.0751	37.30	peak	0.00	37.30	110.00	100	184	-72.70	
	0.0855	35.63	peak	0.00	35.63	108.88	100	20	-73.25	
	0.0991	33.03	peak	0.00	33.03	107.60	100	241	-74.57	
	0.1110	32.57	peak	0.00	32.57	106.62	100	58	-74.05	
	0.1250	31.50	peak	0.00	31.50	105.60	100	129	-74.10	
	0.1340	30.10	peak	0.00	30.10	105.00	100	263	-74.90	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Jeff

File :1

Data :#2

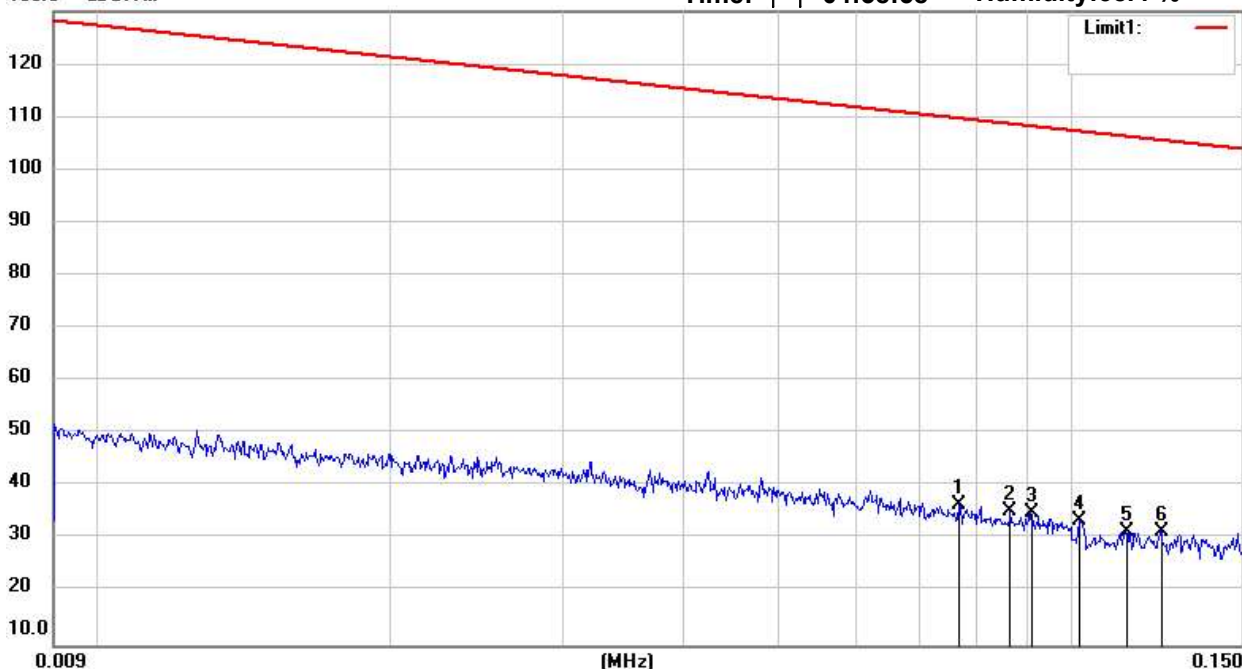
Date: 2026/4/29

Temperature: 25.4 °C

Time: 下午 04:38:58

Humidity: 38.4 %

130.0 dBuV/m



Site : 966A Chamber

Condition : FCC 15.225 RE (3m)(13.56MHz)

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: 90

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	0.0768	36.58	peak	0.00	36.58	109.80	100	16	-73.22	
	0.0867	35.50	peak	0.00	35.50	108.76	100	99	-73.26	
*	0.0910	35.12	peak	0.00	35.12	108.34	100	305	-73.22	
	0.1020	33.67	peak	0.00	33.67	107.35	100	51	-73.68	
	0.1140	31.48	peak	0.00	31.48	106.39	100	126	-74.91	
	0.1240	31.57	peak	0.00	31.57	105.67	100	217	-74.10	

*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Jeff

File : 2

Data : #1

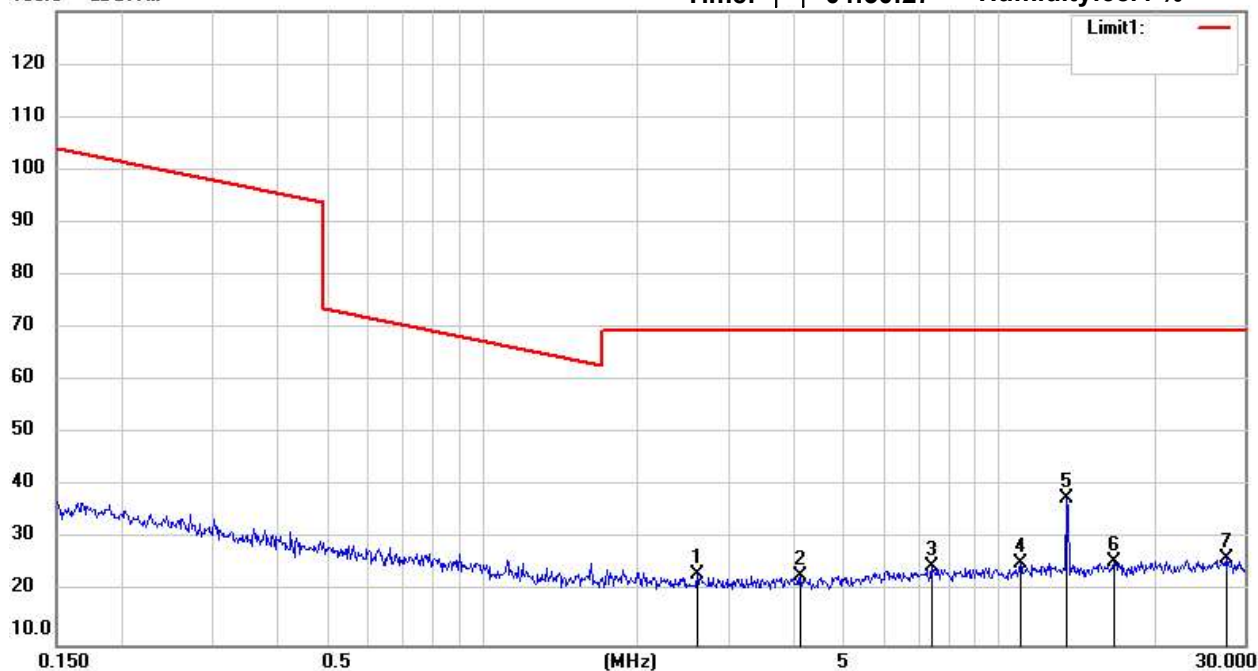
Date: 2026/4/29

Temperature: 25.4 °C

130.0 dBuV/m

Time: 下午 04:30:27

Humidity: 38.4 %



Site : 966A Chamber

Condition : FCC 15.225 RE (3m)(13.56MHz)

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: 0

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2.6082	23.41	peak	0.00	23.41	69.54	100	201	-46.13	
	4.1354	22.92	peak	0.00	22.92	69.54	100	29	-46.62	
	7.4070	24.93	peak	0.00	24.93	69.54	100	114	-44.61	
	11.0211	25.31	peak	0.00	25.31	69.54	100	137	-44.23	
*	13.5508	37.77	peak	0.00	37.77	69.54			-31.77	RF Power
	16.7497	25.87	peak	0.00	25.87	69.54	100	58	-43.67	
	27.7077	26.35	peak	0.00	26.35	69.54	100	251	-43.19	



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Radiated Emission Measurement

Operator: Jeff

File :2

Data :#2

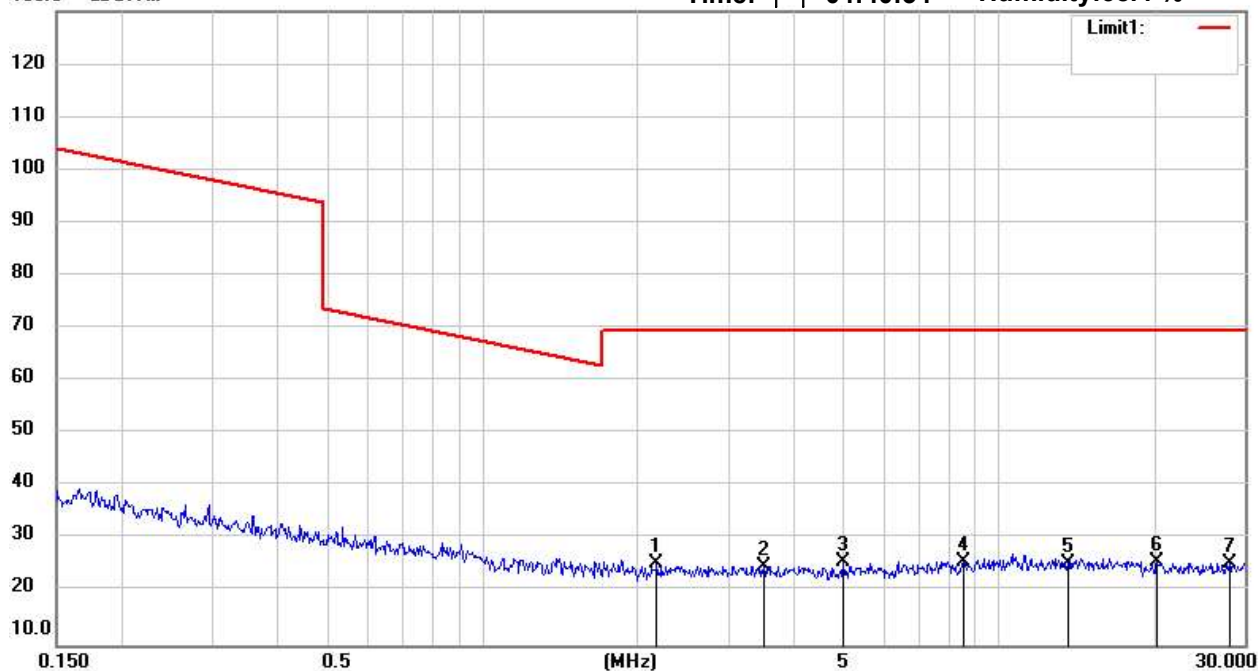
Date: 2026/4/29

Temperature: 25.4 °C

130.0 dBuV/m

Time: 下午 04:40:34

Humidity: 38.4 %



Site : 966A Chamber

Condition : FCC 15.225 RE (3m)(13.56MHz)

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: 90

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2.1781	25.39	peak	0.00	25.39	69.54	100	201	-44.15	
	3.5091	24.95	peak	0.00	24.95	69.54	100	126	-44.59	
	5.0045	25.85	peak	0.00	25.85	69.54	100	58	-43.69	
*	8.5462	25.86	peak	0.00	25.86	69.54	100	210	-43.68	
	13.5600	25.47	peak	0.00	25.47	69.54			-44.07	RF Power
	20.2695	25.84	peak	0.00	25.84	69.54	100	127	-43.70	
	28.0030	25.56	peak	0.00	25.56	69.54	100	34	-43.98	

*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #1

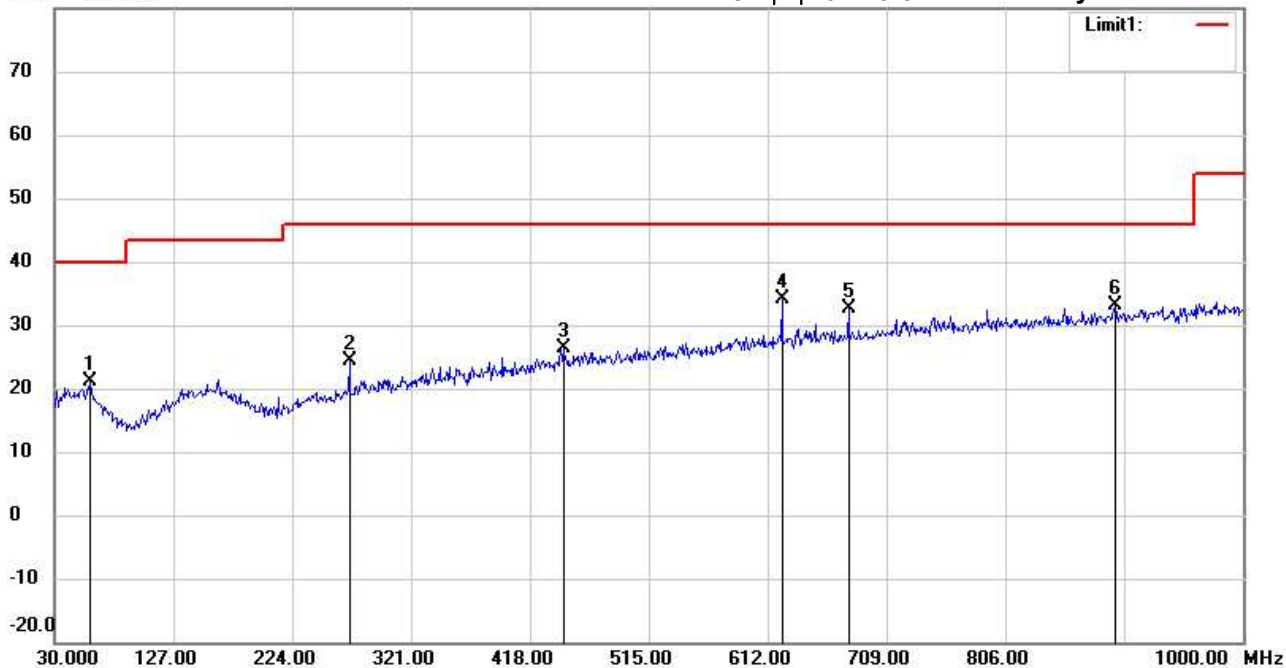
Date: 2026/4/29

Temperature: 25.4 °C

80.0 dBuV/m

Time: 下午 02:45:37

Humidity: 38.4 %



Site : 966A Chamber

Condition : FCC 15.225 RE_30-1000MHz

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: **Horizontal**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	59.1000	33.89	peak	-12.75	21.14	40.00	100	0	-18.86	
	270.5600	37.28	peak	-12.80	24.48	46.00	100	83	-21.52	
	445.1600	34.42	peak	-8.06	26.36	46.00	100	278	-19.64	
*	623.6400	38.43	peak	-4.28	34.15	46.00	100	132	-11.85	
	677.9600	35.93	peak	-3.39	32.54	46.00	100	88	-13.46	
	896.2100	34.01	peak	-0.77	33.24	46.00	100	11	-12.76	



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Radiated Emission Measurement

Operator: Jeff

File : 3

Data : #2

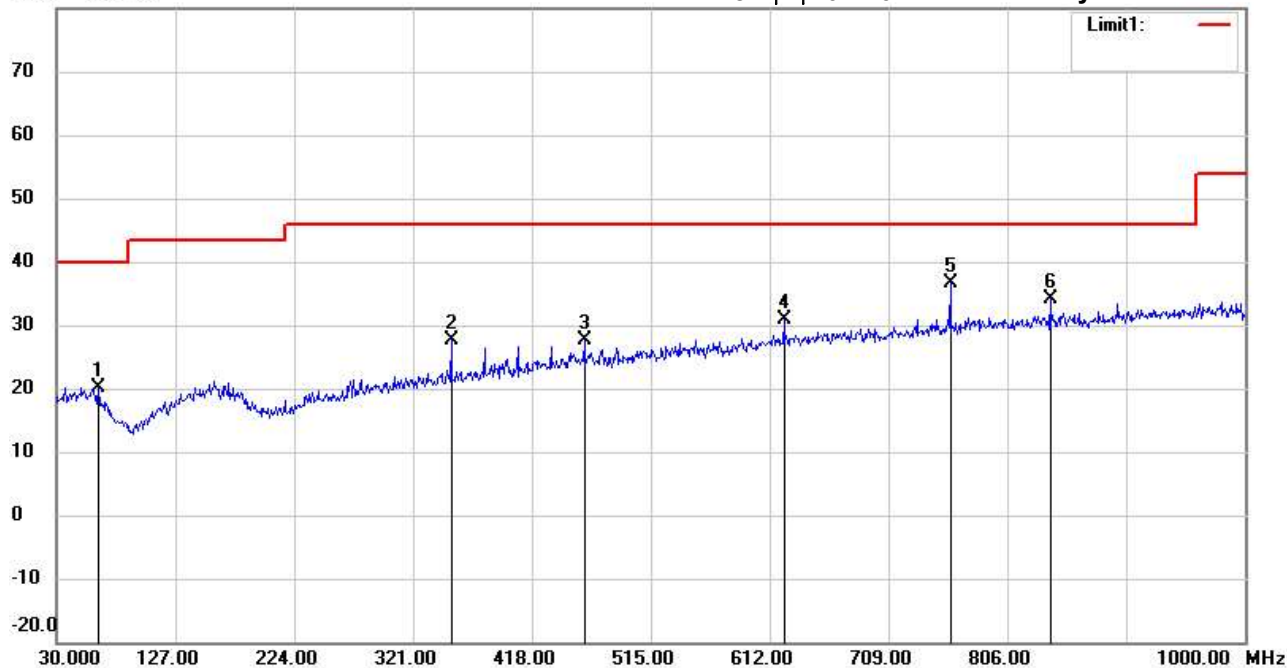
Date: 2026/4/29

Temperature: 25.4 °C

80.0 dBuV/m

Time: 下午 02:46:22

Humidity: 38.4 %



Site : 966A Chamber

Condition : FCC 15.225 RE_30-1000MHz

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	63.9500	33.96	peak	-13.71	20.25	40.00	100	46	-19.75	
	352.0400	38.35	peak	-10.68	27.67	46.00	100	139	-18.33	
	460.6800	35.45	peak	-7.72	27.73	46.00	100	90	-18.27	
	623.6400	35.27	peak	-4.28	30.99	46.00	100	3	-15.01	
*	759.4400	38.67	peak	-2.00	36.67	46.00	100	359	-9.33	
	840.9200	35.40	peak	-1.38	34.02	46.00	100	123	-11.98	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

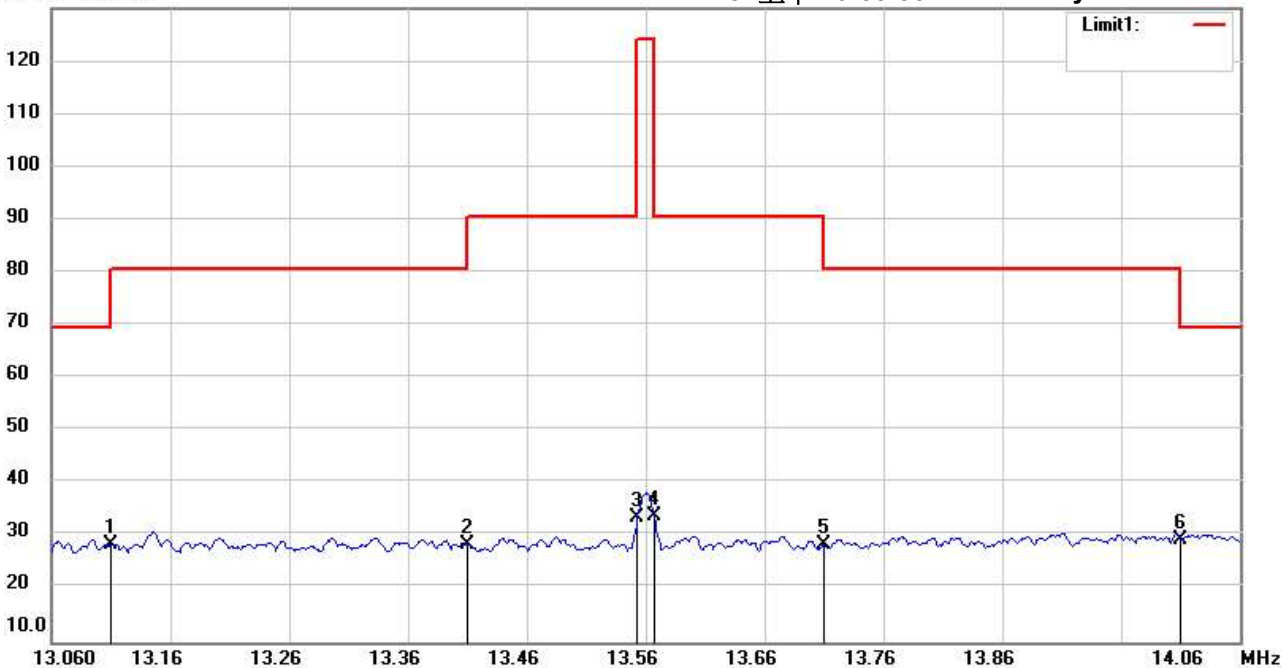
Operator: Jeff

File :Mask
130.0 dBuV/m

Data :#1

Date: 2026/4/30
Time: 上午 10:55:36

Temperature:25.6 °C
Humidity:37.5 %



Site : 966A Chamber
Condition : FCC 15.225 Mask (3m)(13.56MHz)
EUT : W6M22604-25094
M/N:
Test Mode : TX 13.56MHz
Note :

Polarization: 0
Power : 6 Vd.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	13.1100	28.59	peak	0.00	28.59	69.50	100	241	-40.91	
	13.4100	28.37	peak	0.00	28.37	80.50	100	71	-52.13	
	13.5530	33.48	peak	0.00	33.48	90.50	100	129	-57.02	
	13.5670	33.97	peak	0.00	33.97	90.50	100	58	-56.53	
	13.7100	28.38	peak	0.00	28.38	80.50	100	134	-52.12	
*	14.0100	29.45	peak	0.00	29.45	69.50	100	81	-40.05	

*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Jeff

File : Mask

Data : #2

Date: 2026/4/30

Temperature: 25.6 °C

130.0 dBuV/m

Time: 上午 10:58:33

Humidity: 37.5 %



Site : 966A Chamber

Condition : FCC 15.225 Mask (3m)(13.56MHz)

EUT : W6M22604-25094

M/N:

Test Mode : TX 13.56MHz

Note :

Polarization: 90

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	13.1100	27.70	peak	0.00	27.70	69.50	100	54	-41.80	
	13.4100	29.26	peak	0.00	29.26	80.50	100	172	-51.24	
	13.5530	27.79	peak	0.00	27.79	90.50	100	210	-62.71	
	13.5670	27.86	peak	0.00	27.86	90.50	100	129	-62.64	
	13.7100	28.52	peak	0.00	28.52	80.50	100	23	-51.98	
*	14.0100	28.33	peak	0.00	28.33	69.50	100	95	-41.17	