

TEST REPORT

Application No.: FYCR2606000193AT
Applicant: Jiangxi EQi Industrial Co., Ltd.
Address of Applicant: Luliang Avenue, Yining Town, Xiushui County, Jiujiang, Jiangxi, China
Manufacturer: Jiangxi EQi Industrial Co., Ltd.
Address of Manufacturer: Luliang Avenue, Yining Town, Xiushui County, Jiujiang, Jiangxi, China
Factory: Jiangxi EQi Industrial Co., Ltd.
Address of Factory: Luliang Avenue, Yining Town, Xiushui County, Jiujiang, Jiangxi, China
EUT Name: Remote Control
Item No.: AS19D, AS19, AS19C ♣
 ♣ Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
FCC ID: 2A4NH-EQIAS19
Standard(s) : 47 CFR Part 15, Subpart C 15.249
Date of Receipt: 2026-06-11
Date of Test: 2026-07-06 to 2026-07-08
Date of Issue: 2026-07-30

Test Result:

Pass*

* In the configuration tested, the EUT complied with the standards specified above.



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 Shenzhen Branch

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-07-30		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree Zhan/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.231	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions below 1GHz	47 CFR Part 15, Subpart C 15.231	ANSI C63.10-2020+Cor.1-2023 Section 6.4&6.5	47 CFR Part 15C Section 15.231(b) and 15.209	Pass
Field Strength of the Fundamental Signal (15.231(b))		ANSI C63.10-2020+Cor.1-2023 Section 6.5	47 CFR Part 15, Subpart C 15.231(b)	Pass
Radiated Emissions above 1GHz		ANSI C63.10-2020+Cor.1-2023 Section 6.6	47 CFR Part 15C Section 15.231(b) and 15.209	Pass
20dB Bandwidth		ANSI C63.10-2020+Cor.1-2023 Section 6.9.2	47 CFR Part 15, Subpart C 15.231(c)	Pass
Dwell Time (15.231(a1))		ANSI C63.10-2020+Cor.1-2023 Section 7.4	47 CFR Part 15, Subpart C 15.231(a1)	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

N/A means Not applicable, please find the detailed decision rule in the report relative section.

♣ Model No.: AS19D, AS19, AS19C

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference being the model name and shell silk printing.

Only the model **AS19** was tested.



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 3.0V = 1 x 3.0V CR2032 button cell
 Test voltage: DC 3.0V
 Cable(s): None.
 Operation Frequency: 433.92MHz
 Channel Numbers: 1
 Modulation Type: ASK
 Antenna Type: PCB Antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Field Strength of the Fundamental Signal (15.231(b))	$\pm 5.7\text{dB}$ (Below 1GHz), $\pm 4.7\text{dB}$ (Above 1GHz)
Radiated Emissions Below 1GHz	$\pm 5.7\text{dB}$
Radiated Emissions Above 1GHz	$\pm 4.7\text{dB}$ (1-18GHz); $\pm 4.7\text{dB}$ (18-40GHz)
20dB Bandwidth	$\pm 0.34\%$
Dwell Time (15.231(a1))	$\pm 0.029\%$
Remark: The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. – the measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.	



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4.4 Test Location

All tests were performed at:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

- **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

- **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Radiated Emissions Below 1GHz & Field Strength of the Fundamental Signal (15.231(b))					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2025/8/29	2027/08/28
MXE EMI receiver	Agilent	N9038A	SEM004-05	2025/7/21	2026/7/20
Pre-amplifier	HP	8447D	SEM005-02	2025/7/21	2026/7/20
Coaxial Cable	CCS	N/A	SEM035-01	2026/5/12	2027/5/11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025/7/29	2027/7/28
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-54	2025/5/24	2027/5/23
Pre-amplifier	TST PASS	LNA180400G40	SEM005-39	2026/4/29	2027/4/28
Pre-amplifier	TST PASS	LNA10180G60	SEM005-32	2026/4/4	2027/4/3
Coaxial Cable	CCS	N/A	SEM035-03	2026/5/12	2027/5/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2026/2/5	2027/2/4
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2026/2/5	2027/2/4
Signal Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2026/3/4	2027/3/3
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A



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RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2026/2/3	2027/2/2
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2026/2/3	2027/2/2
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2026/2/4	2027/2/3
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2026/2/5	2027/2/4
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2026/2/2	2027/2/1
Coaxial Cable	CCS	N/A	SEM037-01	2026/5/12	2027/5/11
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
MXA Signal Analyzer	KEYSIGHT	N9020B	SEM004-24	2026/2/3	2027/2/2

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2026-02-14	2027-02-13



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement.

Antenna location: Refer to internal photos



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7 Radio Spectrum Matter Test Results

7.1 Field Strength of the Fundamental Signal (15.231(b))

Test Requirement 47 CFR Part 15, Subpart C 15.249(a)
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.5&6.6
 Measurement Distance: 3m
 Test Engineer: Rex Liu
 Limit:

Fundamental Frequency MHz	Field Strength of Fundamental (μV/m @ 3 m)	Field Strength of Harmonics and Spurious Emissions (μV/m @ 3 m)
40.66 to 40.70	2,250	225
70 to 130	1,250	125
130 to 174	**1,250 to 3,750	**125 to 375
174 to 260	3,750	375
260 to 470	**3,750 to 12,500	**375 to 1,250
Above 470	12,500	1,250
Detector:	Peak for pre-scan	
	QP for 30MHz to1000 MHz:120 kHz resolution bandwidth	
	Peak for Above 1 GHz: 1 MHz resolution bandwidth	

** linear interpolations

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows:

for the band 130-174 MHz, uV/m at 3 meters = 56.81818(F) - 6136.3636;

for the band 260-470 MHz, uV/m at 3 meters = 41.6667(F) - 7083.3333.]

The fundamental frequency of the EUT is 433.92 MHz

The limit for average or QP field strength dBuV/m for the fundamental emission= 80.83 dBuV/m

No fundamental is allowed in the restricted bands.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C Humidity: 54.6 % RH Atmospheric Pressure: 1005 mbar

7.1.2 Test Mode Description

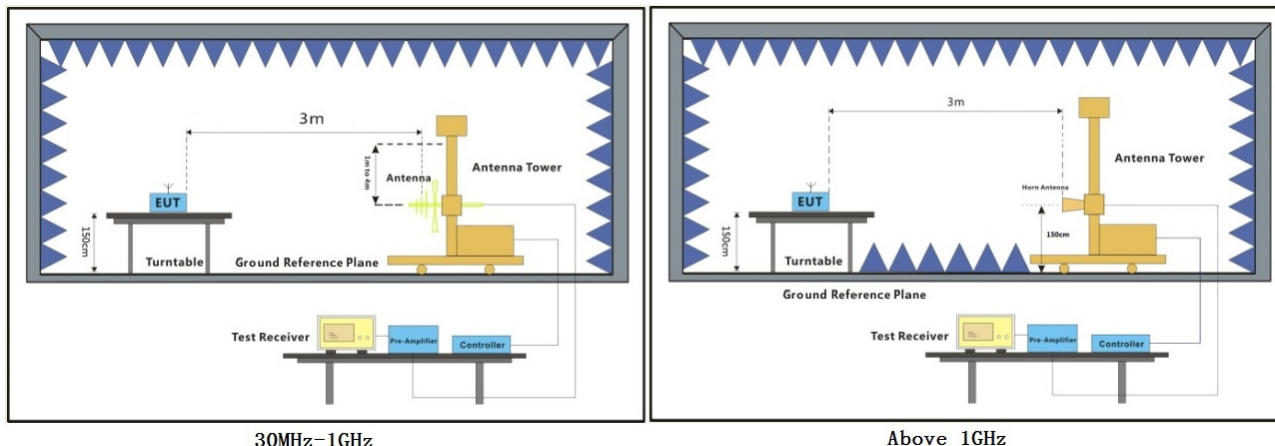
Pre-scan / Final test	Mode Code	Description
Final test	00	Tx mode



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7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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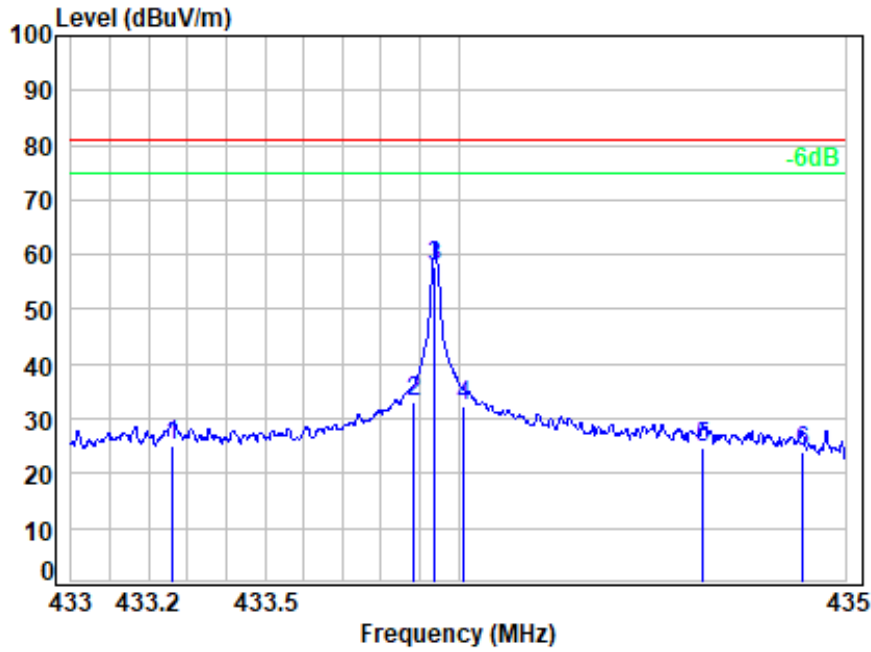
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Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No :
Mode :

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	433.260	1.15	20.64	26.21	29.65	25.23	80.83	-55.60	QP
2	433.883	1.14	20.67	26.21	37.47	33.07	80.83	-47.76	QP
3	433.939	1.14	20.67	26.21	62.21	57.81	80.83	-23.02	QP
4	434.013	1.14	20.67	26.21	36.85	32.45	80.83	-48.38	QP
5	434.631	1.13	20.69	26.22	29.27	24.87	80.83	-55.96	QP
6	434.888	1.13	20.70	26.22	28.29	23.90	80.83	-56.93	QP



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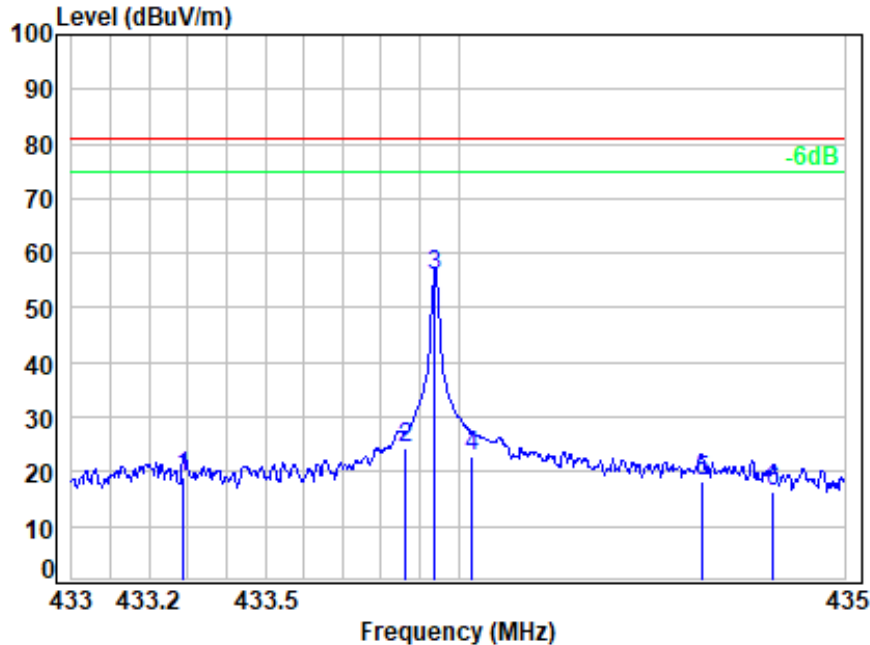
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Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No :
Mode :

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	433.289	1.15	20.64	26.21	23.55	19.13	80.83	-61.70	QP
2	433.861	1.14	20.66	26.21	28.59	24.18	80.83	-56.65	QP
3	433.939	1.14	20.67	26.21	60.21	55.81	80.83	-25.02	QP
4	434.033	1.14	20.67	26.21	27.38	22.98	80.83	-57.85	QP
5	434.629	1.13	20.69	26.22	22.71	18.31	80.83	-62.52	QP
6	434.816	1.13	20.70	26.22	20.75	16.36	80.83	-64.47	QP



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7.2 Radiated Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4&6.5

Measurement Distance: 3m

Test Engineer: Rex Liu

Limit:

For Restricted bands

Frequency (MHz)	Field strength(microvolts/meter)	Measurement distance(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	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

For Other bands

Fundamental Frequency MHz	Field Strength of Fundamental (μV/m @ 3 m)	Field Strength of Harmonics and Spurious Emissions (μV/m @ 3 m)
40.66 to 40.70	2,250	225
70 to 130	1,250	125
130 to 174	**1,250 to 3,750	**125 to 375
174 to 260	3,750	375
260 to 470	**3,750 to 12,500	**375 to 1,250
Above 470	12,500	1,250
Detector:	Peak for pre-scan QP for 30MHz to1000 MHz:120 kHz resolution bandwidth Peak for Above 1 GHz: 1 MHz resolution bandwidth	

** linear interpolations

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows:

for the band 130-174 MHz, uV/m at 3 meters = 56.81818(F) - 6136.3636;

for the band 260-470 MHz, uV/m at 3 meters = 41.6667(F) - 7083.3333.



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The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.

The fundamental frequency of the EUT is 433.92 MHz

The limit for average or QP field strength dBuV/m for the fundamental emission= 80.83 dBuV/m

No fundamental is allowed in the restricted bands.

The limit for average field strength dBuV/m for the spurious emission=60.83 dBuV/m. Spurious in the restricted bands must be less than 60.83 dBuV/m or 15.209, whichever limit permits a higher field strength.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C

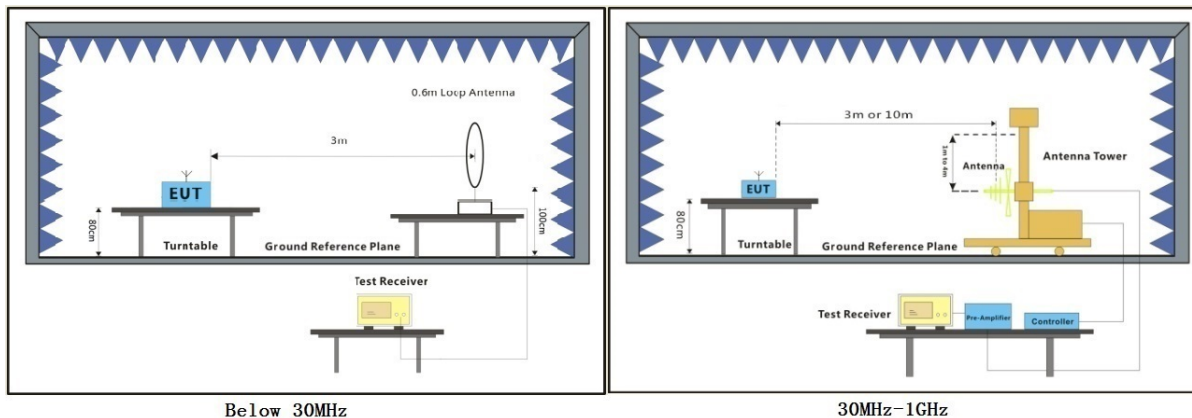
Humidity: 54.6 % RH

Atmospheric Pressure: 1005 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Tx mode

7.2.3 Test Setup Diagram



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7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.



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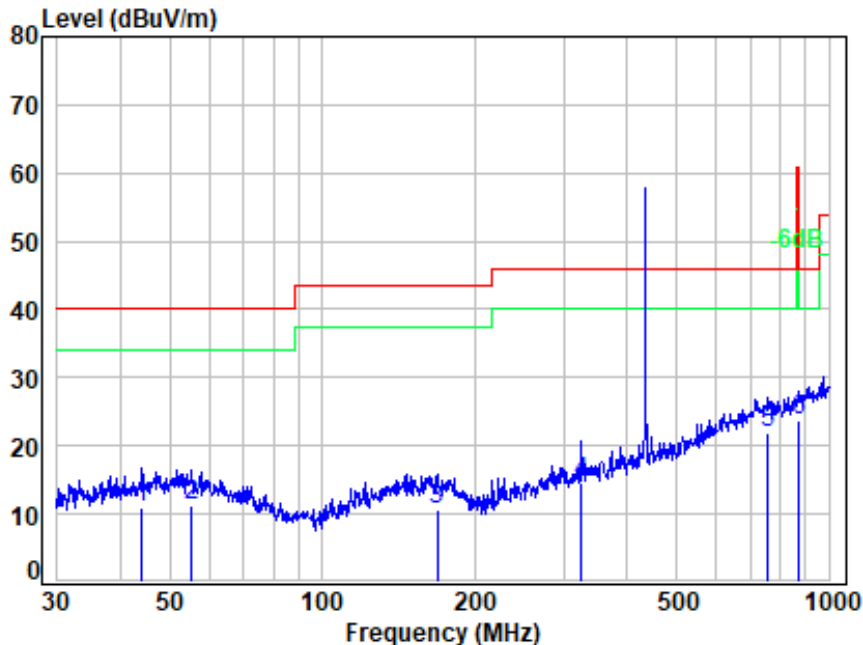
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Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No :
Mode :

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	44.120	0.52	17.58	26.11	18.86	10.85	40.00	-29.15	QP
2	55.221	0.32	17.65	26.10	19.47	11.34	40.00	-28.66	QP
3	168.414	0.95	16.87	25.57	18.55	10.80	43.52	-32.72	QP
4	325.596	0.97	18.23	25.42	20.90	14.68	46.02	-31.34	QP
5	758.041	2.46	26.29	26.51	19.73	21.97	46.02	-24.05	QP
6	868.130	2.57	26.86	26.43	20.76	23.76	60.83	-37.07	QP

Remark: The point over the limit was the fundamental frequency of the EUT, and please refer to the section 7.1.4 for details.



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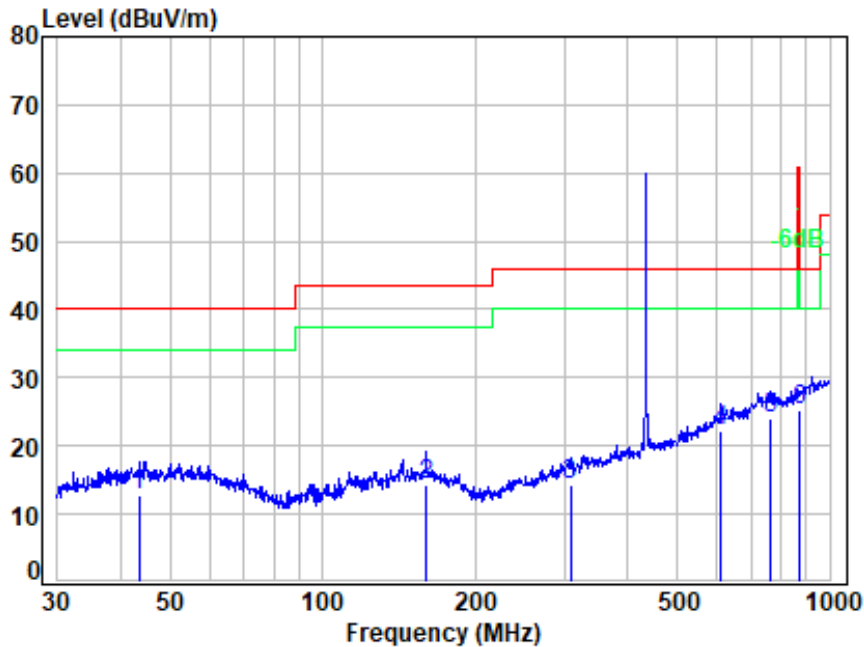
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Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No :
Mode :

	Freq	Cable	Ant	Preamp	Read	Limit	Over	
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	43.353	0.47	17.53	26.11	20.83	12.72	40.00	-27.28 QP
2	159.784	1.22	17.42	25.60	21.23	14.27	43.52	-29.25 QP
3	307.831	0.60	17.75	25.27	21.25	14.33	46.02	-31.69 QP
4	612.064	3.33	24.20	26.56	21.27	22.24	46.02	-23.78 QP
5	763.376	2.59	26.40	26.51	21.43	23.91	46.02	-22.11 QP
6	868.130	2.57	26.86	26.43	22.14	25.14	60.83	-35.69 QP

Remark: The point over the limit was the fundamental frequency of the EUT, and please refer to the section 7.1.4 for details.



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7.3 Radiated Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.6

Measurement Distance: 3m

Test Engineer: Rex Liu

Limit:

For Restricted bands

Frequency (MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 960	500	3
Remark: Radiated emission limits in this band is based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

For Other bands

Fundamental Frequency MHz	Field Strength of Fundamental (µV/m @ 3 m)	Field strength of spurious emissions (µV/m @ 3 m)
Above 470	12,500	1,250
Detector:	Peak for pre-scan	
	Peak for Above 1 GHz: 1 MHz resolution bandwidth	

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C Humidity: 55.1 % RH Atmospheric Pressure: 1005 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Tx mode



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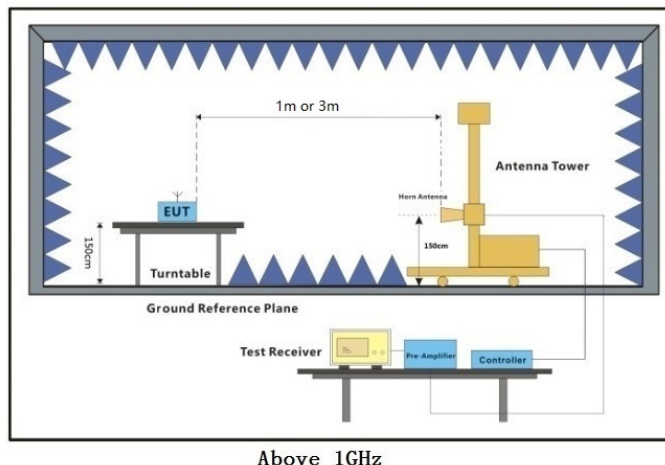
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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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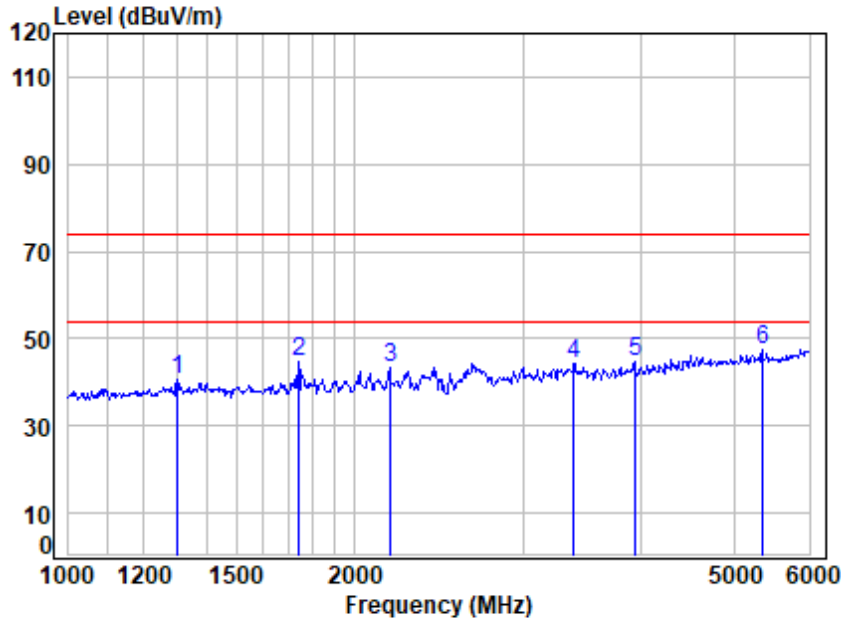
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Test Mode: 00; Polarity: Vertical



Condition: 3m VERTICAL

Job No :

Mode :

	Freq	Cable	Ant	Preamp	Read	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	Line	Limit	Remark	Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	1299.003	3.99	25.01	32.59	44.33	40.74	74.00	-33.26 Peak	0.00
2	1745.842	5.83	25.56	32.96	46.16	44.59	74.00	-29.41 Peak	0.00
3	2172.398	6.95	27.30	33.09	42.09	43.25	74.00	-30.75 Peak	0.00
4	3393.901	7.52	28.97	33.22	40.94	44.21	74.00	-29.79 Peak	0.00
5	3931.041	7.93	30.37	33.13	39.39	44.56	74.00	-29.44 Peak	0.00
6 pp	5349.948	8.52	32.50	32.94	39.19	47.27	74.00	-26.73 Peak	0.00



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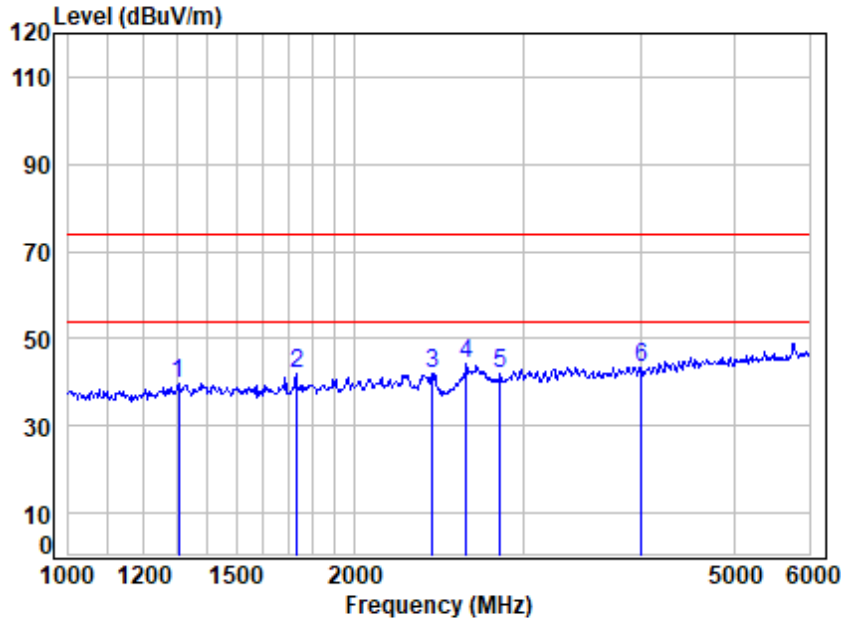
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Test Mode: 00; Polarity: Horizontal



Condition: 3m HORIZONTAL

Job No :

Mode :

	Freq	Cable	Ant	Preamp	Read	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	Line	Limit	Remark	Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	1303.666	4.01	25.01	32.60	43.43	39.85	74.00	-34.15 Peak	0.00
2	1733.375	5.77	25.44	32.95	43.63	41.89	74.00	-32.11 Peak	0.00
3	2405.992	7.05	27.15	32.95	40.81	42.06	74.00	-31.94 Peak	0.00
4	2617.383	7.15	27.97	32.90	41.99	44.21	74.00	-29.79 Peak	0.00
5	2842.249	7.26	28.74	32.90	38.89	41.99	74.00	-32.01 Peak	0.00
6	3987.794	7.97	30.60	33.10	37.96	43.43	74.00	-30.57 Peak	0.00



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7.4 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.231(c)
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.9.2
 Test Engineer: Mingli Hu
 Limit:

Frequency range(MHz)	Limit
70-900	No wider than 0.25% of the center frequency
Above 900	No wider than 0.5% of the center frequency

7.4.1 E.U.T. Operation

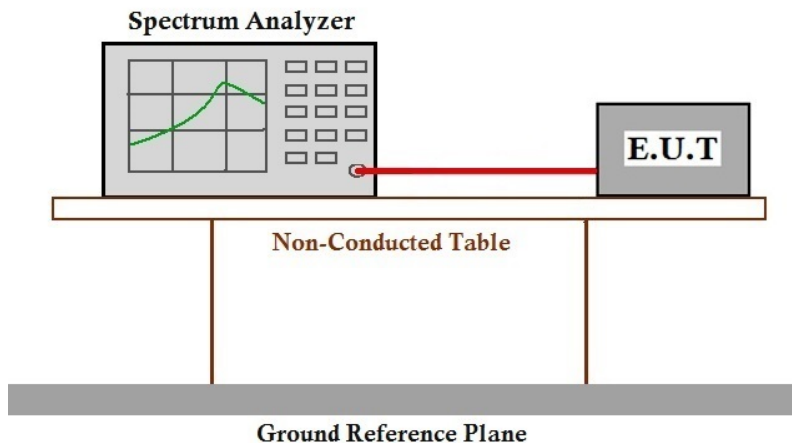
Operating Environment:

Temperature: 20.6 °C Humidity: 60.9 % RH Atmospheric Pressure: 1005 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Tx mode

7.4.3 Test Setup Diagram



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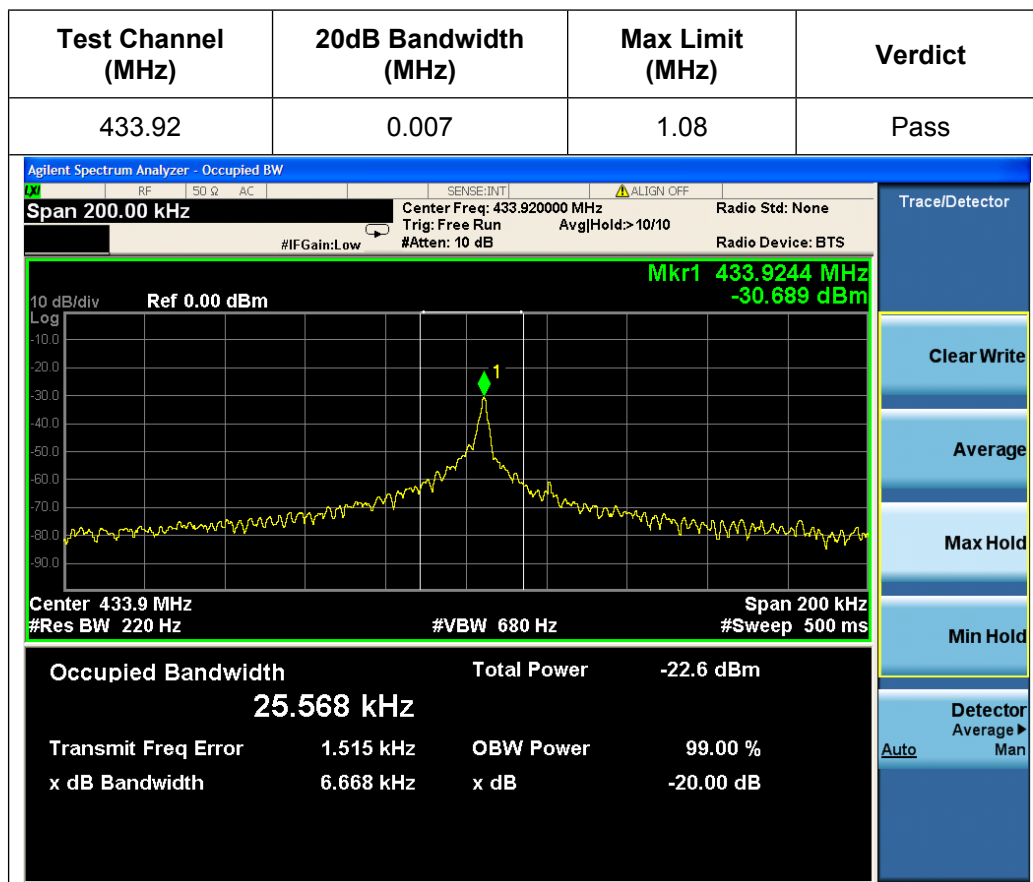
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7.4.4 Measurement Procedure and Data



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7.5 Dwell Time (15.231(a1))

Test Requirement 47 CFR Part 15, Subpart C 15.231(a1)
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 7.4
 Test Engineer: Mingli Hu
 Limit:

Device type	Limit
Manually operated transmitter	The switch automatically deactivate the transmitter within not more than 5 seconds of being released
Automatically activated transmitter	Cease transmission within 5 seconds after activation
Periodic transmissions to determine system integrity of transmitters used in security or safety applications	The total transmission time does not exceed 2 seconds per hour

7.5.1 E.U.T. Operation

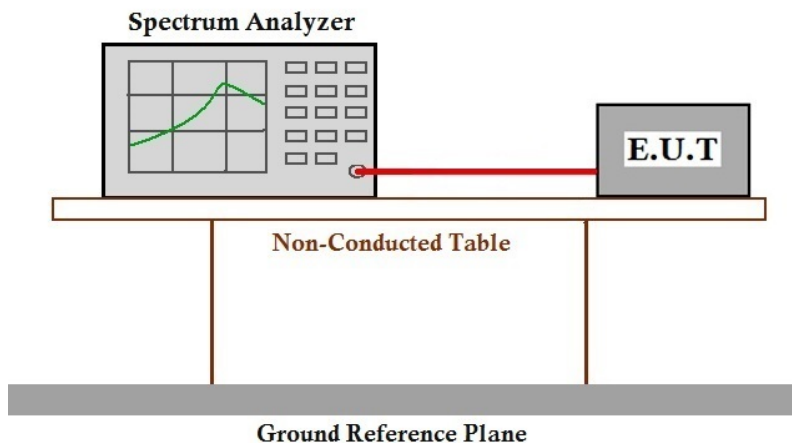
Operating Environment:

Temperature: 20.6 °C Humidity: 60.9 % RH Atmospheric Pressure: 1005 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Tx mode

7.5.3 Test Setup Diagram



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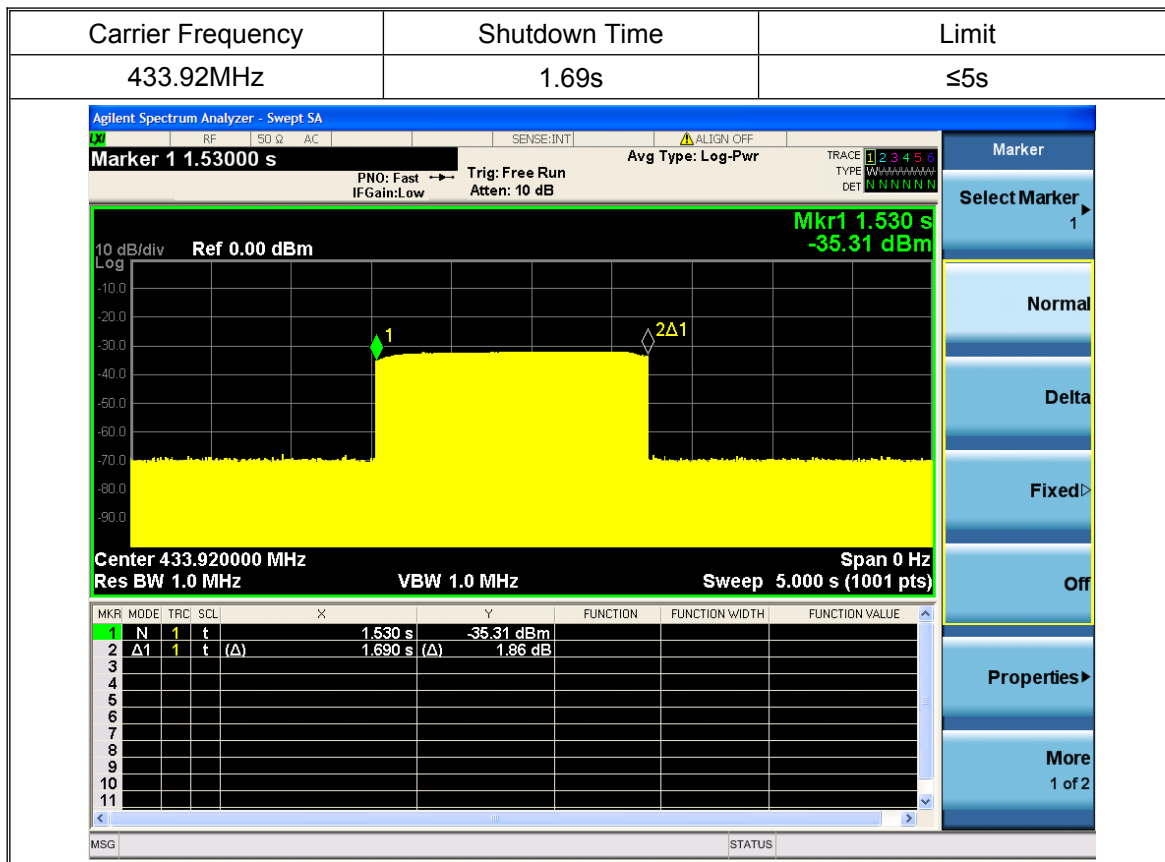
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7.5.4 Measurement Procedure and Data



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR260600019301



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9 EUT Constructional Details (EUT Photos)

Refer to Appendix_ External and Internal Photos for FYCR2606000193AT

- End of the Report -



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