

TEST REPORT

Application No.: DNT2508060065R8488-10070

Applicant: Qingdao Jiesen Wang Industry and Trade Co., Ltd

Address of Applicant: Wangjiacao Village, Xiazhuang Street, Chengyang District, Qingdao City,

Shandong Province

EUT Description: remote control

Model No.: FST-802B

FCC ID: 2BRRT-FST-802B

Power Supply: DC 3V

Trade Mark: /

47 CFR Part 2, Subpart J

Standards: 47 CFR Part 15, Subpart C

ANSI C63.10: 2013

Date of Receipt: 2025/8/7

Date of Test: 2025/8/8 to 2025/8/16

Date of Issue: 2025/8/18

Test Result: PASS

Prepared By: Wayne . Lin (Testing Engineer)

Reviewed By: Project Engineer)

Approved By: Texe Mer (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0		August 18, 2025	Valid	Original Report



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1 Test Summary

Test Item	Standard Section	Test Result	Result
Antenna Requirement	15.203	Clause 3.1	PASS
20dB Occupied Bandwidth	15.231(c)	Clause 3.2	PASS
Duration time	15.231(a)	Clause 3.3	PASS
Duty Cycle	>	Clause 3.4	PASS
Field Strength	15.231	Clause 3.5	PASS
Radiated Spurious Emissions	15.231, 15.209	Clause 3.6	PASS
AC Power Line Conducted Emissions	15.207	Clause 3.7	N/A



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General Information

2.1 Test Location

Company:	Dongguan DN Testing Co., Ltd				
Address:	No. 1, West Fourth Street, South Xinfa Road, Wusha Liwu, Chang¹ an Town, Dongguan City, Guangdong P.R.China				
Test engineer:	Wayne Lin				

2.2 General Description of EUT

Manufacturer:	Qingdao Jiesen Wang Industry and Trade Co., Ltd
Address of Manufacturer:	Wangjiacao Village, Xiazhuang Street, Chengyang District, Qingdao City, Shandong Province
EUT Description:	remote control
Test Model No.:	FST-802B
Additional Model(s):	
Power Supply:	DC 3V
Chip Type:	HS0801
Serial number:	PR2508060065R8488
Trade Mark:	1 9, 9, 9, 9, 9, 9, 9,
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	433.92MHz
Type of Modulation:	ASK
Sample Type:	Prototype production
Antenna Type:	☐ External, ⊠ Integrated
Antenna Ports	⊠ Ant 1, □ Ant 2, □ Ant 3
A	⊠ Provided by applicant
Antenna Gain*:	-1.22dBi
	⊠ Provided by applicant
RF Cable*:	0.5dB(0.6~1GHz); 0.8dB(1.4~2GHz); 1.0dB(2.1~2.7GHz); 1.5dB(3~4GHz); 1.8dB(4.4~6GHz);

*Since the above data and/or information is provided by the applicant relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.



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2.3 Test Environment and Mode

Operating Environment:				
Temperature:	20~25.0 °C			
Humidity:	45~56 % RH			
Atmospheric Pressure:	101.0~101.30 KPa			
Test mode:				
Transmitting mode: Keep the EUT in transmitting mode with all kind of modulation and all kind data rate.				

2.4 Channel List

Channel	Frequency	
1	433.92MHz	

2.5 Power Setting of Test Software

Software Name	N/A
Frequency(MHz)	433.92
Setting	Default

2.6 Assistant equipment used for test

Code	Equipment	Manufacturer	Model No.	Equipment No.
1	1	1	1	

2.7 Description of Support Units

The EUT has been tested independent unit.



2.8 Test Facility

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

Lab A:

• FCC, USA

Designation Number: CN1348

• A2LA (Certificate No. 7050.01)

DONGGUAN DN TESTING CO., LTD.

• Innovation, Science and Economic Development Canada

DONGGUAN DN TESTING CO., LTD. EMC Laboratory has been recognized by ISED as an accredited testing laboratory. CAB identifier is CN0149.

IC#: 30755.



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2.9 Equipment List

For Connect EUT Antenna Terminal Test							
Description	Manufacturer	Model	Serial Number	Cal date	Due date		
Signal Generator	Keysight	N5181A-6G	MY48180415	2024-10-23	2025-10-22		
Signal Generator	Keysight	N5182B	MY57300617	2024-10-23	2025-10-22		
Power supply	Keysight	E3640A	ZB2022656	2024-10-23	2025-10-22		
Radio Communication Tester	R&S	CMW500	105082	2024-10-23	2025-10-22		
Spectrum Analyzer	Aglient	N9010A	MY52220200	2024-10-23	2025-10-22		
BT/WIFI Test Software	Tonscend	JS1120 V3.1.83	NA	NA	NA		
RF Control Unit	Tonscend	JS0806-2	22F8060581	NA	NA		
Power Sensor	Anritsu	ML2495A	2129005	2024-10-23	2025-10-22		
Pulse Power Sensor	Anritsu	MA2411B	1911397	2024-10-23	2025-10-22		
temperature and humidity box	SCOTEK	SCD-C40-80PRO	6866682020008	2024-10-23	2025-10-22		
RF Cable	ETS-LINDGREN	RFC-NMS-100- NMS-350-IN	NA	2024-10-23	2025-10-22		

Test Equipment for Conducted Emission							
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date		
Receiver	R&S	ESCI3	101152	2024-10-23	2025-10-22		
LISN	R&S	ENV216	102874	2024-10-23	2025-10-22		
ISN	R&S	ENY81-CA6	1309.8590.03	2024-10-23	2025-10-22		
RF Cable	ETS-LINDGREN	Cable-CE TS01	1	2024-10-23	2025-10-22		

Test Equipment for Radiated Emission(30MHz-1000MHz)							
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date		
Receiver	R&S	ESR7	102497	2024-10-23	2025-10-22		
Test Software	ETS-LINDGREN	TiLE-FULL	NA	NA	NA		
RF Cable	ETS-LINDGREN	RE Cable-TS01	NA	2024-10-23	2025-10-22		

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Test E	quipment for	Radiated Em	ission(Above	1000MHz	<u>z</u>)
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Frequency analyser	Keysight	N9010A	MY52221458	2024-10-23	2025-10-22
RF Cable	ETS-LINDGREN	RE Cable-TS02	NA	2024-10-23	2025-10-22
Horn Antenna	ETS-LINDGREN	3117	00252567	2022-11-28	2025-11-27
Double ridged waveguide antenna	ETS-LINDGREN	3116C	00251780	2022-11-28	2025-11-27
Test Software	ETS-LINDGREN	TiLE-FULL	NA	NA	NA
Pre-amplifier	ETS-LINDGREN	3117-PA	252567	2024-10-23	2025-10-22
Pre-amplifier	ETS-LINDGREN	3116C-PA	251780	2024-10-23	2025-10-22

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2.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.41dB
2	RF power density, conducted	±1.96dB

No.	Item Conduction Emission Radiated Emission	Measurement Uncertainty		
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)		
	0, 0, 0, 0,	± 4.8dB (Below 1GHz)		
	D. F. t. J. F. d. d.	± 4.8dB (1GHz to 6GHz)		
2	Radiated Emission	± 4.5dB (6GHz to 18GHz)		
4.		± 5.02dB (Above 18GHz)		



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Test results and Measurement Data

3.1 Antenna requirements

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

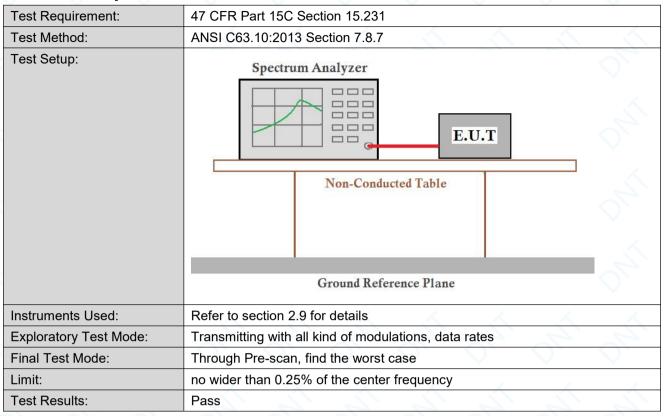
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

The antenna is welded on the main PCB and no consideration of replacement. The best case gain of the antenna is -1.22dBi.



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3.2 20dB Occupied Bandwidth



Test Data:

Test Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Result
433.92	0.1513	1.085	Pass



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3.3 Duration time

Test Requirement:	47 CFR Part 15C Section 15.231
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table
	Ground Reference Plane
Instruments Used:	Refer to section 2.9 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the worst case
Test produce	 A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released. A transmitter activated automatically shall cease transmission within 5 seconds after activation. Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.
Test produce	 Connect EUT antenna terminal to the spectrum analyzer with RF cable. Spectrum analyzer setting parameters: RBW:1MHz,VBW:3MHz,Span:0Hz. Set the EUT transmit in normal use. Adjust sweep time on the spectrum analyzer to capture at least one period of the pulse train of the EUT. Allow trace to stabilize, use the marker-delta function to measure the on time and off time of the signal. Record the results in the test report.
Test Results:	Pass



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Test Data

Test Frequency	On Time	Limit	Result
(MHz)	(s)	(s)	
433.92	1.37	5	Pass

Test Graphs

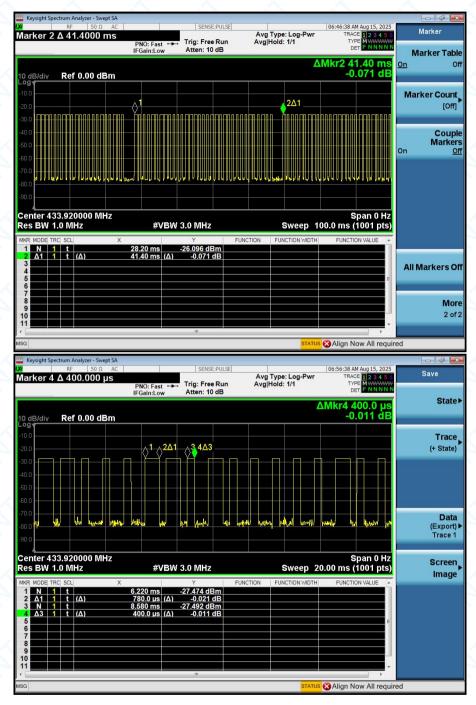




3.4 Duty Cycle

Limit:N/A

Test Graphs



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The average correction factor is computed by analyzing the on time in 100ms over one complete pulse train. Analysis of the remote transmitter on time in one complete pulse train, therefore the average value of fundamental frequency is: Average = Peak value + 20log (Duty cycle), where the duty factor is calculated from following formula: For 433.92 MHz:

$$20 \log \text{ (Duty cycle)} = 20 \log (\frac{T_{pulse}}{41.40}) = 20 \log (17.76/41.40) = -7.35 \text{dB}$$
 Here $\frac{T_{pulse}}{12.40} = 12.0.78 + 21.0.4 \text{(ms)} = 17.76 \text{(ms)}$



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3.5 Field Strength

Test Requirement:	47 CFR Part 15C Section 15.2	231			
Test Method:	ANSI C63.10 :2013 Section 1	1.12			
Test Setup:	(Turnta	Antenna Antenna Antenna Ground Reference Plane Test Receiver Amplifer Controlles	Tower		
Test Instruments:	Refer to section 2.9 for details	9 9 9	9 9		
Exploratory Test Mode	e: Transmitting with all kind of me	odulations, data rates	0, 0,		
Final Test Mode:	Through Pre-scan, find the wo	rst case			
Limit:	Fundamental frequency	Field strength of	fundamental@3m		
	(MHz)	(microvo	olts/meter)		
	40.66-40.70	2,	2,250		
	70-130	1,;	250		
	130-174	¹ 1,250	to 3,750		
	174-260	3,	750		
	260-470	¹ 3,750 t	to 12,500		
	Above 470	12	,500		
	Limit is show in below to	0, 0, 0			
	Fundamental	Field strength of fundar	mental@3m (dBµV/m)		
	frequency (MHz)	Average Limit	Peak Limit		
	433.92	80.83	100.83		
	Note: According to ANSI C63.10:2013 section 7.6.2: The effective limit at the frequency of interest is found by linearly interpolating using the familiarslope-intercept formula, $y = mx+b$, rewritten as in Equation: Limit[μ V/m]=Limlower+ Δ F[(Limupper-Limlower)/(fupper-flower)]				

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	where
	Lim _{lower} is the limit at the lower frequency of the intended band of operation
	Limupper is the limit at the upper frequency of the intended band of operation
	f _{lower} is the lower frequency of the intended band of operation
	f _{upper} is the upper frequency of the intended band of operation
	ΔF equals $f_{\rm C}$ – $f_{\rm lower}$
	fc is the center frequency of the emission signal For fundamental frequency 433.92MHz:
	Average Limit(µV/m)=3750+(433.92-260)[(12500-3750)/(470-260)]=10996.67
	2.AverageLimit(dBμV/m)=20×LOG[FieldStrength(μV/m)]=20×LOG(10996.67) =80.83
	According to §15.35(b): Peak Limit (dBµV/m)= Average Limit (dBµV/m)+20dB=80.83+20=100.83
Test Configuration:	RBW: ≥OBW
	VBW: 3XRBW
	Start frequency: 260MHz
	Stop frequency: 470MHz
	Sweep Time: Auto
	Detector: PEAK/AVG
T 15	Trace Mode: Max Hold
Test Procedure:	a. the EUT was placed on the top of a rotating table 1 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation
	b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	c. 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.
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	f. 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.
	g. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
	r. Repeat above procedures until all frequencies measured was complete.
Test Results:	Pass



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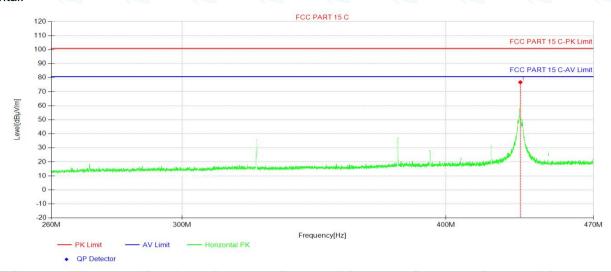
Test Data

Frequency (MHz)	20log (Duty cycle) (dB)	Peak Level (dB _μ V/m)	Average Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector Type	Polarity
433.92	-7.35	76.73	69.38	80.83	11.45	AVG	Н
433.92	-7.35	72.41	65.06	80.83	15.77	AVG	V



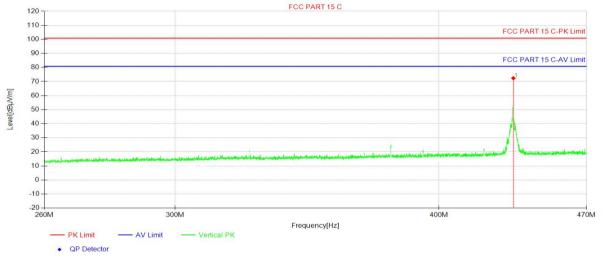
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NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	433.92	79.94	-3.21	76.73	100.83	24.10	100	244	PK

Vertical:



NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	433.92	75.62	-3.21	72.41	100.83	28.42	100	135	PK

Note

1. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

Result Level= Reading Level + Correct Factor(including Ant.Factor, Cable Factor etc.)

2. Since the Peak value is below the limit set by AV, we conclude that AV also meets the limit requirements.



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3.6 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section							
	47 CFR Part 15C Section							
Test Method:	ANSI C63.10 :2013 Sec							
Test Site:	Measurement Distance:	3m or 10m (Semi-	Anechoic Ch	amber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark			
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak			
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average			
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak			
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak			
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average			
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak			
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak			
	Above 1GHz	Peak	1MHz	3MHz	Peak			
Limit:	15.209 Radiated emission limits							
	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measuremen distance (m)			
	0.009MHz-0.490MHz	2400/F(kHz)	O) - <), - (),	300			
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30			
	1.705MHz-30MHz	30	-	\ -	30			
	30MHz-88MHz	100	40.0	Quasi-peak	3			
	88MHz-216MHz	150	43.5	Quasi-peak	3			
	216MHz-960MHz	200	46.0	Quasi-peak	3 .			
	960MHz-1GHz	500	54.0	Quasi-peak	3			
	Above 1GHz	500	54.0	Average	3			
	Remark:Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. The limits on the field strength of the spurious emissions in the below table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.							

Report No.: DNT2508060065R8488-10070 Date: August 18, 2025 Page: 21/28 **Fundamental frequency** Field strength of spurious emission@3m (MHz) (microvolts/meter) 40.66-40.70 225 70-130 125 1125 to 375 130-174 174-260 375 260-470 ¹375 to 1,250 Above 470 1,250

The EUT fundamental frequency is 433.92MHz,So the Average Limit& Peak Limit is show in below table:

Fundamental frequency	Field strength of spurious	s emission@3m (dBµV/m)
(MHz)	Average Limit	Peak Limit
433.92	60.83	80.83

Note:

According to ANSI C63.10:2013 section 7.6.2:

¹Linear interpolations

The effective limit at the frequency of interest is found by linearly interpolating using the familiars lope-intercept formula, y = mx+b, rewritten as in Equation:

 $Limit[\mu V/m] = Limlower + \Delta F[(Limupper-Limlower)/(fupper-flower)]$

where

Lim_{lower} is the limit at the lower frequency of the intended band of operation Lim_{upper} is the limit at the upper frequency of the intended band of operation

flower is the lower frequency of the intended band of operation fupper is the upper frequency of the intended band of operation

 ΔF equals $f_C - f_{lower}$

fc is the center frequency of the emission signal

For fundamental frequency 433.92MHz:

Average Limit(μ V/m)=375+(433.92-260)[(1250-375)/(470-260)]=1099.67

2.AverageLimit(dB μ V/m)=20×LOG[FieldStrength(μ V/m)]=20×LOG(1099.67) =60.83

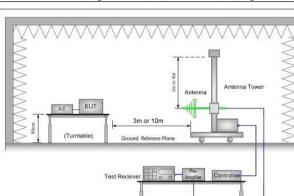
According to §15.35(b):

Peak Limit (dBµV/m)= Average Limit (dBµV/m)+20dB=60.82+20=80.83

Test Setup:

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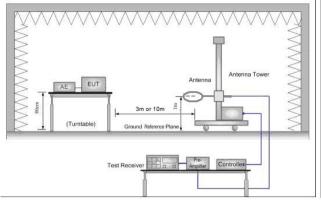


Figure 1. Below 30MHz

Figure 2. 30MHz to 1GHz

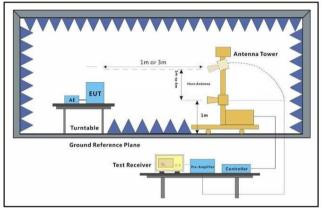


Figure 3. Above 1 GHz

Test Procedure:

- h. 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 camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- i. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation
- j. 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.
- k. 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.
- I. 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.
- m. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- n. 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 retested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- o. Test the EUT in the lowest channel, the middle channel ,the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- q. Repeat above procedures until all frequencies measured was complete.

Exploratory Test Mode:

Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.

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Final Test Mode: Pretest the EUT at Charge + Transmitting mode.
Through Pre-scan, find the worst case.

Instruments Used: Refer to section 2.9 for details

Test data

Test Results:

For Field strength of spurious emission of the intentional radiator

Pass

Frequency (MHz)	20log (Duty cycle) (dB)	Peak Level (dB _μ V/m)	Average Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector Type	Polarity
867.61	-7.35	54.82	47.47	60.83	13.36	AVG	Н
867.61	-7.35	42.70	35.35	60.83	25.48	AVG	V

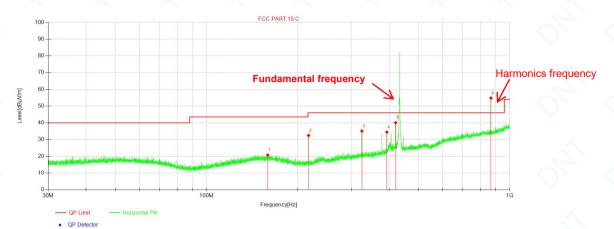


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Test data

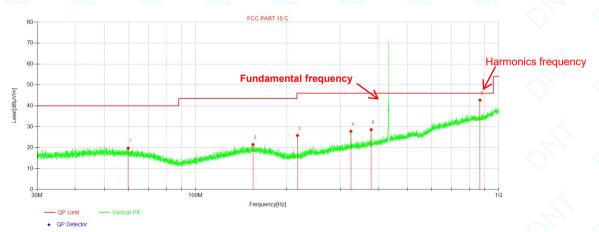
For 30-1000MHz TX

Horizontal:



NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	159.17	28.56	-7.79	20.77	43.50	22.73	100	287	PK
2	216.93	43.51	-11.05	32.46	46.00	13.54	100	267	PK
3	325.37	41.23	-6.12	35.11	46.00	10.89	100	235	PK
4	393.20	38.89	-4.44	34.45	46.00	11.55	100	272	PK
5	420.29	43.83	-3.77	40.06	46.00	5.94	100	267	PK
6	867.61	50.25	4.57	54.82	80.83	26.01	100	267	PK

Vertical:



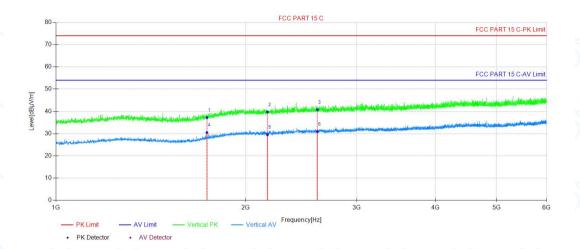
NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	59.92	28.47	-8.75	19.72	40.00	20.28	100	0	PK
2	154.66	29.32	-7.80	21.52	43.50	21.98	100	15	PK
3	216.93	36.86	-11.05	25.81	46.00	20.19	100	356	PK
4	325.37	33.93	-6.12	27.81	46.00	18.19	100	305	PK
5	379.65	33.44	-4.83	28.61	46.00	17.39	100	331	PK
6	867.61	38.13	4.57	42.70	80.83	38.13	100	356	PK



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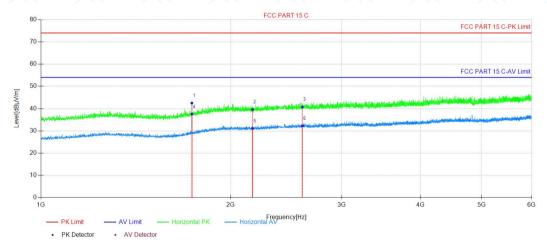
For above 1GHz TX

Vertical:



NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	1736.07	30.33	6.90	37.23	74.00	36.77	100	309	Peak
2	2165.11	29.51	10.22	39.73	74.00	34.27	100	182	Peak
3	2598.15	28.60	12.17	40.77	74.00	33.23	100	350	Peak
4	1735.57	23.61	6.89	30.50	54.00	23.50	100	277	AV
5	2165.11	19.28	10.22	29.50	54.00	24.50	100	14	AV
6	2598.15	18.67	12.17	30.84	54.00	23.16	100	109	AV

Horizontal



	NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
	1	1735.07	35.61	6.89	42.50	74.00	31.50	100	192	Peak
	2	2165.11	29.40	10.22	39.62	74.00	34.38	100	313	Peak
ſ	3	2598.15	28.63	12.17	40.80	74.00	33.20	100	88	Peak
	4	1735.57	30.68	6.89	37.57	54.00	16.43	100	221	AV
	5	2165.11	20.94	10.22	31.16	54.00	22.84	100	115	AV
	6	2598.15	20.04	12.17	32.21	54.00	21.79	100	41	AV

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Note:

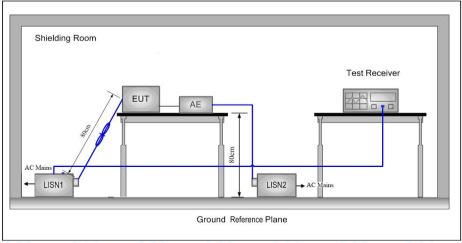
- The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including Ant.Factor and the Cable Factor etc.), The basic equation is as follows:
 Measurement Level= Reading Level + Correct Factor(including LISN Factor, Cable Factor etc.)
- 2. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.



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3.7 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15	5.207	
Test Method:	ANSI C63.10: 2020	<u> </u>	
Test Frequency Range:	150kHz to 30MHz	7, 4, 4	, 4, 4,
Limit:	Fraguency range (MHz)	Limit (c	lBuV)
	Frequency range (MHz)	Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the logarith	nm of the frequency.	\ \ \ \ \ \
Test Setup:	room. 2) The EUT was connected Impedance Stabilization Net impedance. The power cable a second LISN 2, which was plane in the same way as the multiple socket outlet strip was ingle LISN provided the rate 3) The tabletop EUT was placed on the horizontal ground reference plane. And placed on the horizontal ground of the EUT shall be 0.4 m frowertical ground reference plane. The LISN 1 unit under test and bonded if mounted on top of the ground between the closest points of the EUT and associated equal of the interest and all of the interest and shall of the in	work) which provides a 5 as of all other units of the bonded to the ground reset LISN 1 for the unit being as used to connect multiping of the LISN was not estated upon a non-metallical for floor-standing arrangular reference plane, with a vertical ground reference was bonded to the howas placed 0.8 m from the vas placed 0.8 m from the condition of the LISN 1 and the EUtipment was at least 0.8 m remission, the relative porface cables must be characteristics.	0Ω/50μH + 5Ω linear EUT were connected to eference g measured. A ple power cables to a exceeded. Etable 0.8m above the gement, the EUT was erence plane. The rear ference plane. The orizontal ground the boundary of the ne for LISNs distance was T. All other units of m from the LISN 2. Desitions of langed according to
	EUT	AE	Test Receiver



Exploratory Test Mode:

Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.

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Charge + Transmitting mode.

Final Test Mode: Through Pre-scan, find the 6.5Mbps of rate of 802.11n(HT20) at lowest channel is the worst case.

Charge + Transmitting mode.

Only the worst case is recorded in the report.

Instruments Used: Refer to section 2.9 for details

Test Results: N/A

---END REPORT--