

RADIO TEST REPORT

FCC ID:2AZ9W-WR08-001

Product: Electric Curtain Remote

Trade Mark: N/A

Model No.: WR08-15CH

Family Model: WR08-01CH, WR08-08CH

Report No.: N25090101808E

Issue Date: Sept. 29, 2025

Prepared for

Ningbo Deyi Smart Home Co., Ltd.
101-102, Building 2, No.341, Wulipai, Jiaochuan Street, Zhenhai
District, Ningbo city, Zhejiang Province

Prepared by

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1. TEST RESULT CERTIFICATION

Applicant's name..... :	Ningbo Deyi Smart Home Co., Ltd.
Address	101-102, Building 2, No.341, Wulipai, Jiaochuan Street, Zhenhai District, Ningbo city, Zhejiang Province
Manufacturer's Name..... :	Ningbo Deyi Smart Home Co., Ltd.
Address	101-102, Building 2, No.341, Wulipai, Jiaochuan Street, Zhenhai District, Ningbo city, Zhejiang Province
Product description	
Product name..... :	Electric Curtain Remote
Trademark	N/A
Model and/or type reference	WR08-15CH
Family Model..... :	WR08-01CH, WR08-08CH
Test Sample Number	S2509010060-1#
Date of Test..... :	Sept. 01, 2025 ~ Sept. 29, 2025

Measurement Procedure Used:

APPLICABLE STANDARDS	
APPLICABLE STANDARD/TEST PROCEDURE	TEST RESULT
FCC 47 CFR Part 15, Subpart C ANSI C63.10-2020+Cor.1-2023	Complied

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

Prepared By : Kieron Luo
Kieron Luo
(Project Engineer)

Reviewed By : Aaron Cheng
Aaron Cheng
(Supervisor)

Approved By : Alex Li
Alex Li
(Manager)

2. SUMMARY OF TEST RESULTS

FCC Part15 (15.231), Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	N/A	
15.203	Antenna Requirement	Pass	
15.231(b) 15.209 15.205	Radiated Spurious Emission	Pass	
15.231(c)	Occupied Bandwidth	Pass	
15.231(a)(1)	Transmitter Timeout	Pass	

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The EUT is using a new battery

3.FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

CNAS-Lab.

: The Certificate Registration Number is L5516.

IC-Registration

The Certificate Registration Number is 9270A.

CABIdentifier:CN0074

FCC- Accredited

Test Firm Registration Number:463705.

Designation Number: CN1184

A2LA-Lab.

The Certificate Registration Number is 4298.01

Name of Firm

: ShenzhenNTEK Testing Technology Co., Ltd.

Site Location

: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 2.80\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(30MHz~1GHz)	$\pm 2.64\text{dB}$
5	All emissions,radiated(1GHz~6GHz)	$\pm 2.40\text{dB}$
6	All emissions,radiated(> 6GHz)	$\pm 2.52\text{dB}$
7	Temperature	$\pm 0.5^{\circ}\text{C}$
8	Humidity	$\pm 2\%$
9	All emissions, radiated(9KHz~30MHz)	$\pm 6\text{dB}$
10	Occupied bandwidth	$\pm 3.7\text{dB}$

4. GENERAL DESCRIPTION OF EUT

Equipment	Electric Curtain Remote										
Trade Name	N/A										
Model Name	WR08-15CH										
Family Model	WR08-01CH, WR08-08CH										
Model Difference	The WR08-15CH/WR08-01CH and WR08-08CH only differ in display. The WR08-15CH has a single-row key with 15 channels, the WR08-01CH has a single-row key with 1 channel, and the WR08-8CH has a double-row key with 8 channels.										
Product Description	The EUT is a Electric Curtain Remote <table border="1"> <tr> <td>Operation Frequency:</td><td>433.92MHz</td></tr> <tr> <td>Modulation Type:</td><td>FSK</td></tr> <tr> <td>Number Of Channel</td><td>1CH</td></tr> <tr> <td>Antenna Designation:</td><td>PCB Antenna</td></tr> <tr> <td>Antenna Gain:</td><td>-2.82 dBi</td></tr> </table> Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	Operation Frequency:	433.92MHz	Modulation Type:	FSK	Number Of Channel	1CH	Antenna Designation:	PCB Antenna	Antenna Gain:	-2.82 dBi
Operation Frequency:	433.92MHz										
Modulation Type:	FSK										
Number Of Channel	1CH										
Antenna Designation:	PCB Antenna										
Antenna Gain:	-2.82 dBi										
Channel List	Refer to below										
Adapter	N/A										
Battery	2*1.5V AAA										
Power Supply	DC 3V from battery										
Hardware version	V1.0										
Firmware version	V1.0										
Software version	V1.0										

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
-

Channel	Frequency (MHz)
01	433.92MHz
--	--

[illegible]

5. DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX

For Radiated Emission	
Final Test Mode	Description
Mode 1	TX

Note: All the models have been tested and evaluated. Only the worst test results will be included in the report.

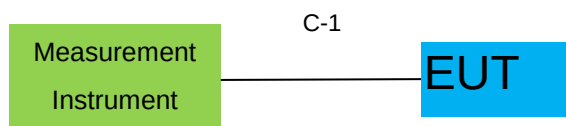
6.SETUP OF EQUIPMENT UNDER TEST

6.1BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

For Radiated Test Cases

EUT

For RF Conducted Test Cases



Note:The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

6.2 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
EUT	Electric Curtain Remote	WR08-15CH	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable	Yes	NO	0.1m

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded”“with core”; “NO” is means “unshielded”“without core”.

6.3EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	2025.04.24	2026.04.23	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025.04.17	2026.04.16	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2025.04.17	2026.04.16	1 year
4	Test Receiver	R&S	ESPI7	101318	2025.04.17	2026.04.16	1 year
5	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	584	2025.04.19	2026.04.18	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2024.05.12	2027.05.11	3 year
8	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
9	Amplifier	EMC	EMC051835SE	980246	2025.04.17	2026.04.16	1 year
10	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	055	2024.05.17	2027.05.16	3 year
11	Power Meter	DARE	RPR3006W	15I00041SN084	2025.04.17	2026.04.16	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2023.05.06	2026.05.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2023.05.06	2026.05.05	3 year
14	High Test Cable(1G-40GHz)	N/A	R-03	N/A	2023.05.06	2026.05.05	3 year
15	Filter	TRILTHIC	2400MHz	29	2024.04.26	2027.04.25	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

7.ANTENNA REQUIREMENT

7.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: 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.

7.2 EUT ANTENNA

The EUT antenna is permanent attached PCB Antenna (Gain: -2.82 dBi). It complies with the standard requirement.

8. CONDUCTED EMISSION MEASUREMENT

8.1 Applicable Standard

According to FCC Part 15.207(a)

8.2 Conformance Limit

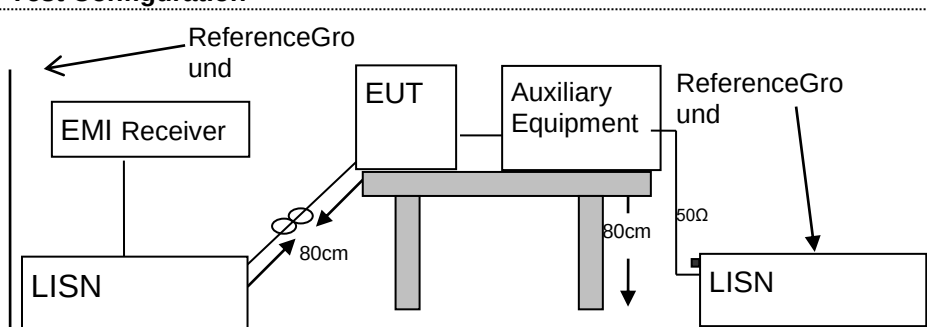
Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. *Decreases with the logarithm of the frequency
2. The lower limit shall apply at the transition frequencies
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

8.4 Test Configuration



8.5 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020+Cor.1-2023 Conducted emission the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
2. The EUT was placed on a table which is 0.8m above ground plane.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
4. Interconnecting cables that hang closer than 40 cm to the groundplane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. The frequency range from 150KHz to 30MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
9. For the actual test configuration, please refer to the related Item –EUT Test Photos

8.6 Test Results

EUT :	Electric Curtain Remote	Model Name :	WR08-15CH
Temperature :	25℃	Relative Humidity :	62%
Pressure :	1010hPa	Phase :	N/A
Test Voltage :	N/A	Test Mode :	N/A

Note: The EUT is powered by battery, so this item is not applicable.

9. RADIATED EMISSION MEASUREMENT

9.1 Applicable Standard

According to 15.209& 15.205 and ANSI C63.10-2020+Cor.1-2023

9.2 Radiated Emission Limits(FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/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

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) Measurement was performed at an antenna to the closed point of EUT distance of meters.
- (4) For Frequency 9kHz~30MHz:
Distance extrapolation factor =40log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor.
For Frequency above 30MHz:
Distance extrapolation factor =20log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor.

According to FCC Part 15.205, Restricted bands:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.231)

Fundamental Frequency (MHz)	Field Strength of fundamental (microvolts/meter)	Field Strength of Unwanted Emissions (microvolts/meter)
40.66 - 40.70	2250.00	225.00
70 - 130	1250	125
130 - 174	1,250 to 3,750 **	125 to 375 **
174 - 260	3750.00	375.00
260 - 470	3,750 to 12500 **	375 to 1,250 **
Above 470	12500.00	1250.00

Notes:

(1) ** linear interpolations

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental fieldstrengths are as follows: for the band 130-174 MHz, $\mu\text{V/m}$ at 3 meters = $56.81818(F) - 6136.3636$; for the band 260-470 MHz, $\mu\text{V/m}$ at 3 meters = $41.6667(F) - 7083.3333$. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.]

The limits on the field strength of the spurious emissions in the above 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 93 Section 15.209, whichever limit permits a higher field strength.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 90kHz for QP

9.3 TEST PROCEDURE

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2020+Cor.1-2023. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020+Cor.1-2023 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

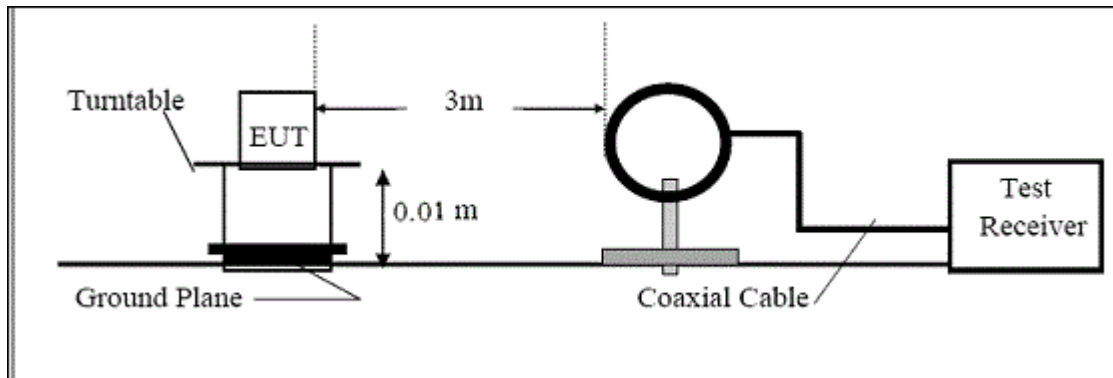
During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

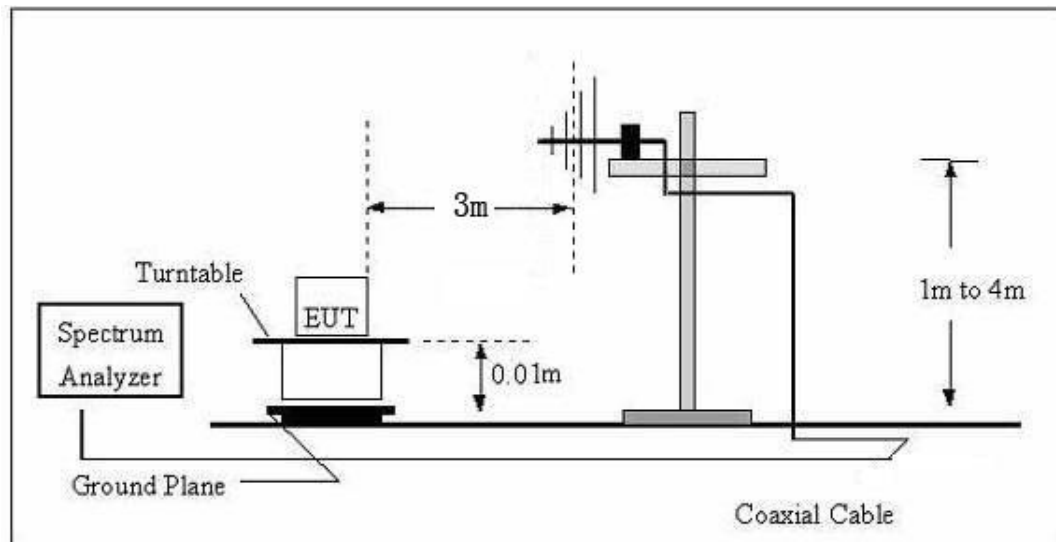
Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \cdot \lg(100 [kHz] / \text{narrower RBW [kHz]})$. , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

9.4 TEST SETUP

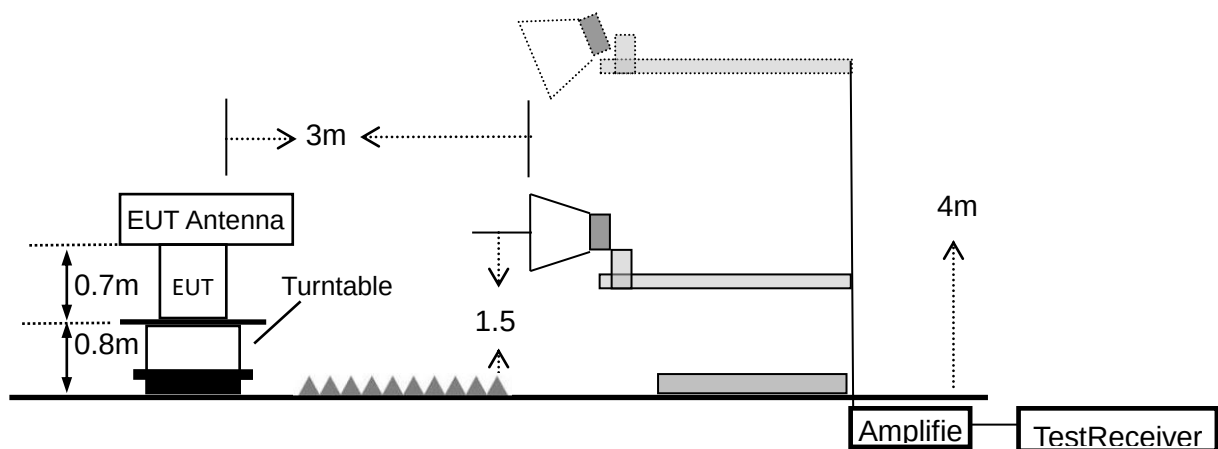
(A) For radiated emissions below 30MHz



(B) For radiated emissions from 30MHz to 1000MHz



(C) For radiated emissions above 1000MHz



Note: the antenna of the EUT was located at a height of 1.5 m above the floor.

9.5 TEST RESULTS

■ Emission below 30MHz (9KHz to 30MHz)

EUT:	Electric Curtain Remote	Model No.:	WR08-15CH
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode1	Test By:	Kieron Luo

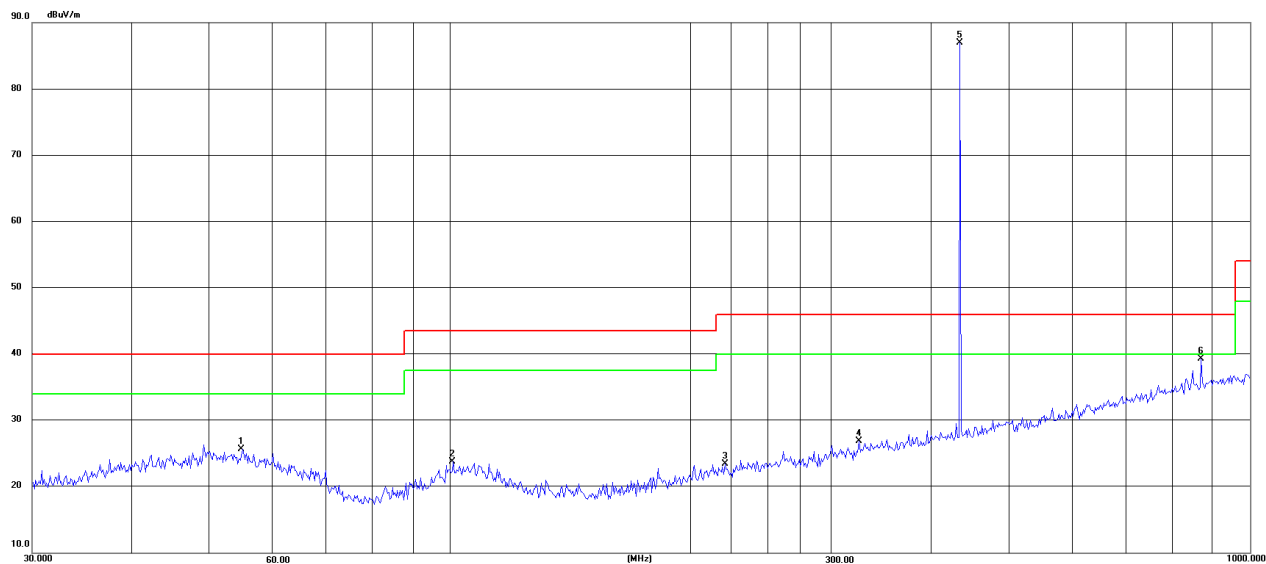
Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Emission below 1GHz(30MHz to 1GHz)

All the modulation modes have been tested, and the worst result was report as below:

EUT :	Electric Curtain Remote	Model Name :	WR08-15CH
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010hPa	Test Mode :	Mode 1
Test Voltage :	DC 3V		

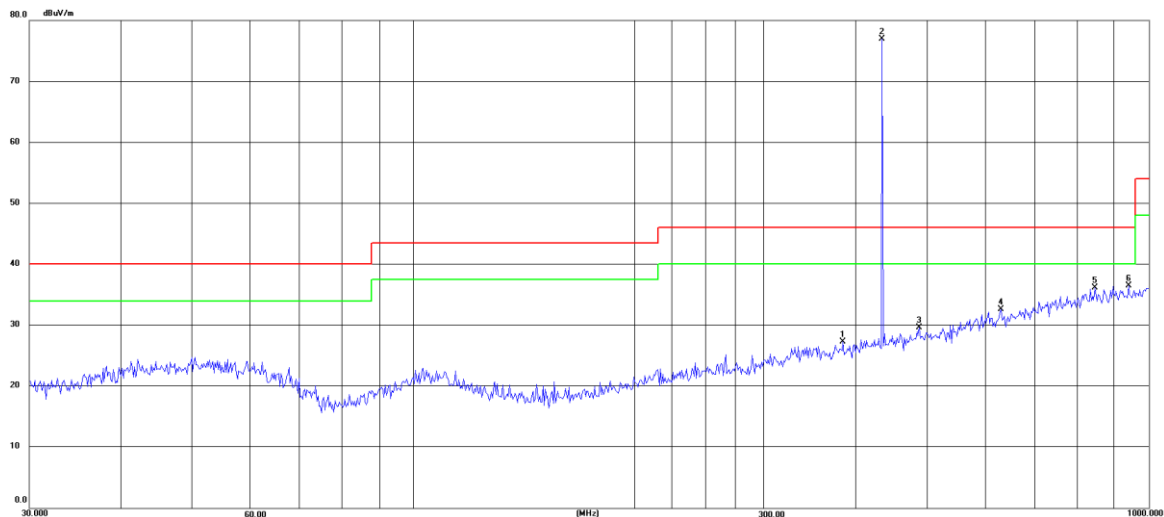


Polar (H/V)	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
H	55.0270	5.84	19.82	25.66	40.00	-14.34	peak
H	100.9339	5.68	18.10	23.78	43.50	-19.72	peak
H	220.6170	5.27	18.24	23.51	46.00	-22.49	peak
H	324.4560	5.73	21.22	26.95	46.00	-19.05	peak
H	433.92	63.88	23.09	86.97	100.83	-13.86	peak
H	433.92	-	-	79.39	80.83	-1.44	AV
H	867.84	9.44	29.91	39.35	60.83	-21.48	peak

Note: The average value of fundamental frequency is:

Average= Peak Value+ 20log(Duty cycle), Final Average= Peak-7.58

EUT :	Electric Curtain Remote	Model Name :	WR08-15CH
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010hPa	Test Mode :	Mode 1
Test Voltage :	DC 3V		



Polar (H/V)	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
V	433.92	53.81	23.09	76.90	100.83	-23.93	peak
V	433.92	-	-	69.32	80.83	-11.51	AV
V	434.0650	53.81	23.09	76.90	46.00	30.90	peak
V	487.3150	4.86	24.74	29.60	46.00	-16.40	peak
V	629.4772	5.75	26.83	32.58	46.00	-13.42	peak
V	845.0877	5.72	30.44	36.16	46.00	-9.84	peak
V	938.8325	5.74	30.74	36.48	46.00	-9.52	peak

Note: The average value of fundamental frequency is:

Average= Peak Value+ 20log(Duty cycle), Final Average= Peak-7.58

Emission Above 1GHz (1GHz to 18GHz)

EUT :	Electric Curtain Remote	Model Name :	WR08-15CH
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010hPa	Test Voltage :	DC 3V
Test Mode :	Mode 1	Polarization :	Horizontal

No.	Frequency	Reading	Correct Factor	Dutycycle Factor	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2169.6	56.32	-14.46	-	41.86	81.94	-40.08	Peak
2	3037.44	59.24	-10.43	-	48.81	81.94	-33.13	Peak
3	3905.28	58.11	-8.16	-	49.95	81.94	-31.99	Peak
4	2169.600	-	-	34.28	61.94	-27.66	34.28	AVG
5	3037.440	-	-	41.23	61.94	-20.71	41.23	AVG
6	3905.280	-	-	42.37	61.94	-19.57	42.37	AVG

EUT :	Electric Curtain Remote	Model Name :	WR08-15CH
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010hPa	Test Voltage :	DC 3V
Test Mode :	Mode 1	Polarization :	Vertical

No.	Frequency	Reading	Correct Factor	Dutycycle Factor	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2169.6	53.24	-14.46	-	38.78	81.94	-43.16	Peak
2	3037.44	55.39	-10.43	-	44.96	81.94	-36.98	Peak
3	3905.28	52.84	-8.16	-	44.68	81.94	-37.26	Peak
4	2169.600	-	-	-7.58	31.20	61.94	-30.74	AVG
5	3037.440	-	-	-7.58	37.38	61.94	-24.56	AVG
6	3905.280	-	-	-7.58	37.10	61.94	-24.84	AVG

Note:that all other emissions above 1GHz are attenuated 30dB below the limit, so it does not record.

Note: 1. EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(Y orientation).

2. *Calculate Average value based on Duty Cycle correction factor:

Ton1=140.4ms Ton2=18.2ms

Duty Cycle=Ton/Ttotal =158/375=41.78%

Duty Cycle factor= $20\log(\text{Duty Cycle}) = 20\log(0.4178) = -7.58$

Average=Peak+ Duty Cycle factor

2. FCC Limit for Average Measurement = $41.6667(433.925)-7083.3333=10996.875\mu\text{V/m}$
=80.83dBuV/m

3. Pulse Desensitization Correction Factor

Pulse Width(PW)= 80.83ms

$2/PW=2/80.83\text{ms}=0.025\text{kHz}$

RBW(100kHz)>2/PW (0.025kHz),

Therefore PDCF is not needed.

Duty Cycle:

The duty cycle is simply the on time divided by the period:

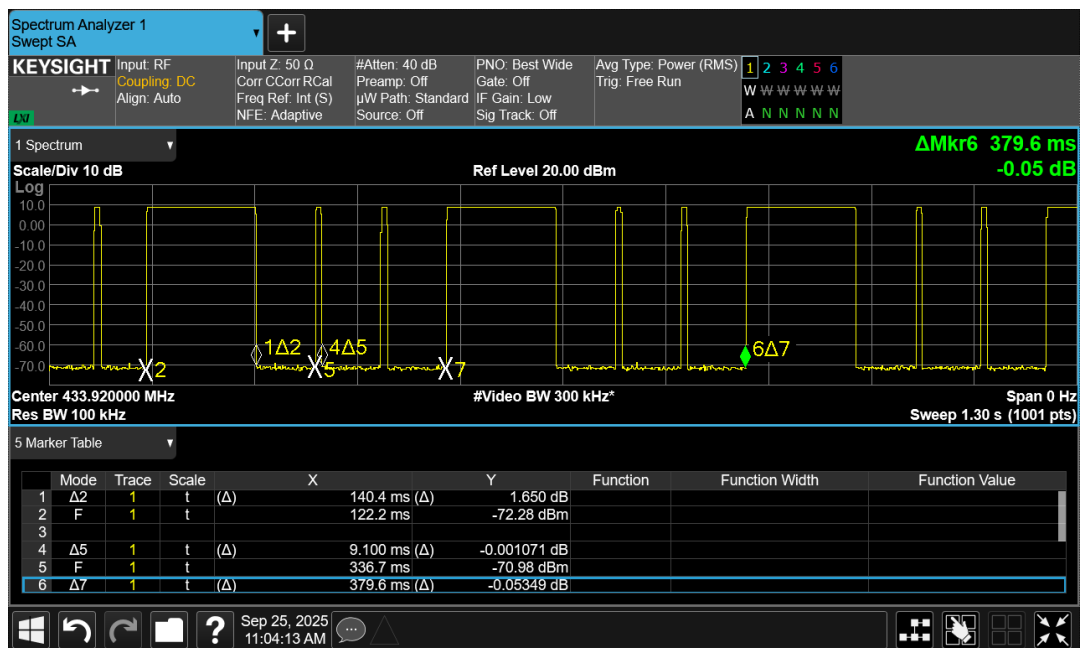
The duration of one cycle = 70.6ms

Effective period of the cycle =23.8ms,

Duty Cycle =23.8ms/70.6ms=0.156=33.71%

Average pulsed signal over one complete pulse train or 100 ms time frame if pulse train exceeds 100 ms.

Test Plot For Duty cycle



10. BANDWIDTH TEST

10.1 TEST PROCEDURE

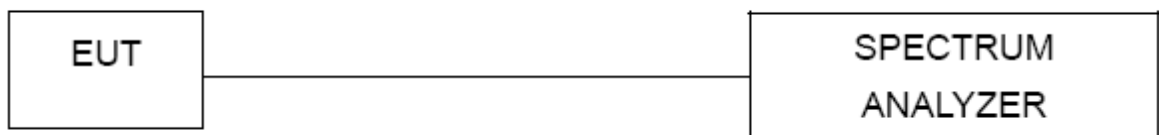
The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

Limit: $433.92\text{MHz} \times 0.25\% = 1084.48\text{KHz}$

10.2 DEVIATION FROM STANDARD

No deviation.

10.3 TEST SETUP



10.4 TEST RESULTS

EUT :	Electric Curtain Remote	Model Name :	WR08-15CH
Temperature :	26°C	Relative Humidity :	53%
Pressure :	1020hPa	Test Power :	DC 3V
Test Mode :	TX CH 1		

Test Channel	Frequency (MHz)	20 dBc Bandwidth (kHz)	<Limit (kHz)
CH01	433.92	82.30	1084.48



