

Product

FCC ID

Trade mark

Serial Number

**Report Number** 

Date of Issue

Test result

**Test Standards** 

Model/Type reference



TEST REPORT

- : Floor Rising Screen Remote Control
  - : AWOL VISION
- : FRSRC01
- : N/A
  - : EED32P80965801
  - : 2BF6V-FRSRC01
  - : Jul. 25, 2024
  - : 47 CFR Part 15 Subpart C
  - : PASS

Prepared for:

Safe Space Scan Technology LLC

9169 W Atlantic Ave Suite 118, Delray Beach, FL 33446, USA.

Prepared by:

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	Aaron Ma			Check No.: 7513280623
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## Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	ANSI C63.10:2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10:2013	N/A
Field Strength of the Fundamental Signal	47 CFR Part 15 Subpart C Section 15.231 (b)	ANSI C63.10:2013	PASS
Spurious Emissions	47 CFR Part 15 Subpart C Section 15.231 (b)/15.209	ANSI C63.10:2013	PASS
20dB Bandwidth	47 CFR Part 15 Subpart C Section 15.231 (c)	ANSI C63.10:2013	PASS
Dwell Time	47 CFR Part 15 Subpart C Section 15.231 (a)	ANSI C63.10:2013	PASS

### Remark:

1

1.N/A:The product is powered by DC 3.0V Battery.

2.Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

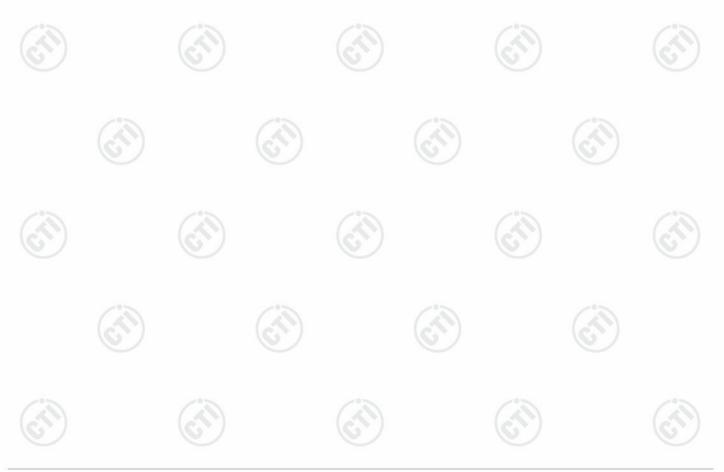


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## General Information

## 3.1 Client Information

Applicant:	Safe Space Scan Technology LLC
Address of Applicant:	9169 W Atlantic Ave Suite 118, Delray Beach, FL 33446, USA.
Manufacturer:	Shenzhen WeProTalk Technology Co., Ltd.
Address of Manufacturer:	Yihua Financial Technology Building, Room 2501, 3939 Baishi Road, Binhai Community, Yuehai Street, Nanshan District, Shenzhen City.
Factory:	Shenzhen WeProTalk Technology Co., Ltd.
Address of Factory:	Yihua Financial Technology Building, Room 2501, 3939 Baishi Road, Binhai Community, Yuehai Street, Nanshan District, Shenzhen City.

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## 3.2 General Description of EUT

Product Name:	Floor Rising Screen Remote Control	
Model No.(EUT):	FRSRC01	
Trade Mark:	AWOL VISION	
Product Type:	☐ Mobile ⊠ Portable ☐ Fix Location	(A
Power Supply:	Battery DC 3.0V	G
Frequency Range:	868.35MHz	
Modulation Type:	FSK	
Number of Channels:		
Antenna Type:	PCB antenna	
Test voltage:	DC 3.0V	
Sample Received Date:	Jun. 28, 2024	
Sample tested Date:	Jun. 28, 2024 to Jul. 12, 2024	13
		(2)







## 3.3 Test Environment and Mode

		(2)						
Operating Environment:								
Radiated Spurious Emi	ssions:							
Temperature:	22~25.0 °C							
Humidity:	50~55 % RH			13				
Atmospheric Pressure:	1010mbar	(5)		6				
RF Conducted:	·							
Temperature:	22~25.0 °C							
Humidity:	50~55 % RH	2°2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
Atmospheric Pressure:	1010mbar	(2)	$(\mathcal{A})$					
Test mode:								
Transmitting mode:	Keep the EUT in transmitt	ing mode with modulation	on.					





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## 3.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	1	1	/

## 3.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385 No tests were sub-contracted. FCC Designation No.: CN1164

## 3.6 Deviation from Standards

None.

## 3.7 Abnormalities from Standard Conditions

None.

## 3.8 Other Information Requested by the Customer

None.

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

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 <sup>-8</sup>
2		0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-18GHz)
3		3.3dB (9kHz-30MHz)
	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
	Conduction emission	3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%







## 4 Equipment List

		RF test syst	em		<u></u>
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	R&S	FSV40	101200	07-25-2023	07-24-2024
	- D 10-	100	·	- 22	- 51

5		3M S	Semi/full-anechoi	c Chamber(2	#)	
	Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
	3M Chamber & Accessory Equipment	ток	SAC-3		05-22-2022	05-21-2025
3	Receiver	R&S	ESCI7	100938- 003	09-22-2023	09-21-2024
٢	Spectrum Analyzer	R&S	FSV40	101200	07-25-2023	07-24-2024
	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-16-2024	04-15-2025
	TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	05-18-2024	05-17-2025
-	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D- 1869	04-16-2024	04-15-2025
	Horn Antenna	A.H.SYSTEMS	SAS-574	374	07-02-2023	07-01-2026
9	Preamplifier	Agilent	11909A	12-1	03-22-2024	03-21-2025
	Preamplifier	EMCI	EMC051845SE	980380	12-14-2023	12-13-2024
	Preamplifier	CD	PAP-1840-60	6041.6042	06-19-2024	06-18-2025
	Cable line	Fulai(7M)	SF106	5219/6A	(	S)
	Cable line	Fulai(6M)	SF106	5220/6A		
	Cable line	Fulai(3M)	SF106	5216/6A		
3	Cable line	Fulai(3M)	SF106	5217/6A		(2)
s'	Test software	Fara	EZ-EMC	EMEC- 3A1-Pre	<u>c</u>	(C)















Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy
Fully Anechoic Chamber	TDK	FAC-3		01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-09-2024	01-08-2025
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-29-2024	01-28-2025
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-23-2024	01-22-2025
TRILOG				0	
Broadband	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025
Antenna	<">>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~	
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025
Horn Antenna	ETS- LINDGREN	3117	57407	07-03-2024	07-02-2025
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-25-2023	07-24-2024
Preamplifier	Tonscend	EMC051845SE	980380	12-14-2023	12-13-2024
Preamplifier	EMCI	EMC184055SE	980597	04-12-2024	04-11-2025
Communication test set	R&S	CMW500	102898	12-14-2023	12-13-2024
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024	04-06-2025
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0		9
Cable line	Times	SFT205-NMSM- 2.50M	394812-0001		0
Cable line	Times	SFT205-NMSM- 2.50M	394812-0002		
Cable line	Times	SFT205-NMSM- 2.50M	394812-0003	- 6	- (I)
Cable line	Times	SFT205-NMSM- 2.50M	393495-0001		
Cable line	Times	EMC104- NMNM-1000	SN160710	( A	(2

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C	Report No. : EE	D32P809658	301		S	Page 9 of 30
_	Cable line	Times	SFT205-NMSM- 3.00M	394813-0001		
_	Cable line	Times	SFT205-NMNM- 1.50M	381964-0001	(	(3)
15	Cable line	Times	SFT205-NMSM- 7.00M	394815-0001	(°))	
6	Cable line	Times	HF160-KMKM- 3.00M	393493-0001	$(\mathcal{S})$	



Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com

5

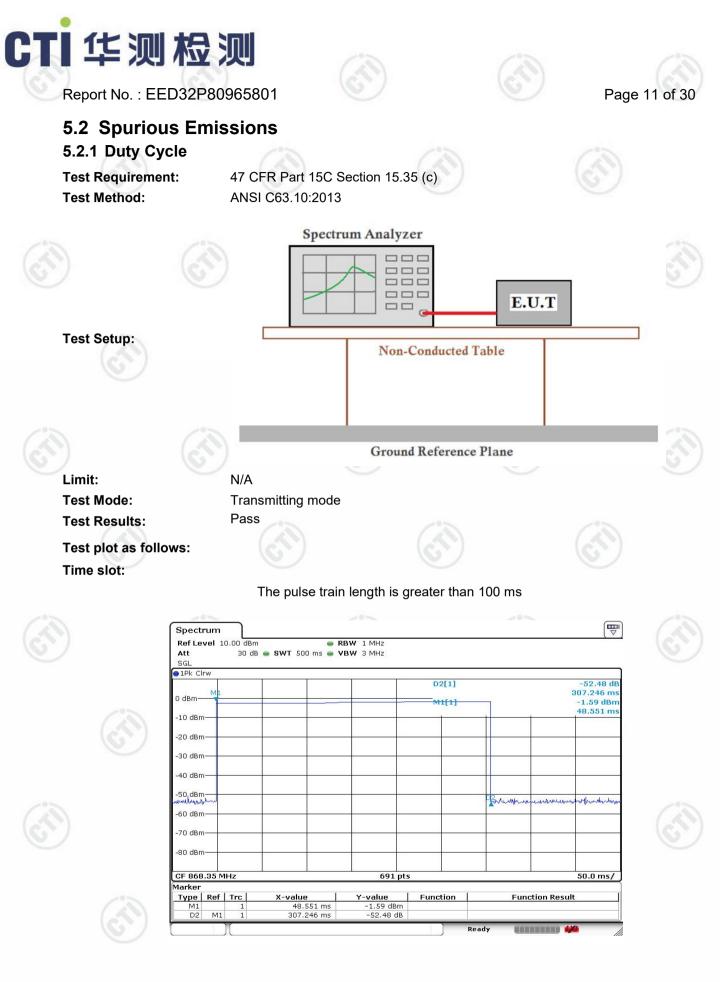
Report No. : EED32P80965801

## **Test results and Measurement Data**

## 5.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 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:** Please see Internal photos The antenna is PCB antenna.

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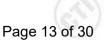




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		-	T period			
	Spectrum Ref Level 10.00 dBm	■ RBW 1 M	Hz			
	Att 30 dB 👄 _SGL	SWT 100 ms 👄 VBW 3 M				
	●1Pk Clrw					
	0 dBm					
	-10 dBm					
	-20 dBm					
	-30 dBm					
	-40 dBm					
	-50 dBm					
	-60 dBm					
	-70 dBm				)	
	-80 dBm					
	CF 868.35 MHz		691 pts		10.0 ms/	
	Marker				10.0 ms/	
		1.673	Re	ady 🗰 🗰	lin lin	
	T on time	Тре	eriod	Duty cycle	•	
100	(ms)		ns)	%		
	100		00	100%	$(\mathcal{A})$	
		J		100 /0	V	
NO	te: Duty cycle=T c	on time / 1 period				





Remark Peak Average Quasi-peak Peak Average Quasi-peak Quasi-peak Peak Average

Report No. : EED32P80965801 5.2.2 Spurious Emissions

Test Requirement: Test Method:	47 CFR Part 15C Section 1 ANSI C63.10: 2013	5.231(b) and 15.:	209			
Test Site:	Measurement Distance: 3m	(Semi-Anechoic	Chamber)			
	Frequency	Detector	RBW	VBW	R	
	0.009MHz-0.090MHz	Peak	10kHz	30kHz		
	0.009MHz-0.090MHz	Average	10kHz	30kHz	A	
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Qua	
<b>Receiver Setup:</b>	0.110MHz-0.490MHz	Peak	10kHz	30kHz		
	0.110MHz-0.490MHz	Average	10kHz	30kHz	A	
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Qua	
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Qua	
	Above 1GHz	Peak	1MHz	3MHz		
	Above TGHZ	Peak	1MHz	10Hz	A	
Test Setup:		<u> </u>	(c.)			
	UT Cround Reterence Plane		Furntable)		ntenna Tower	

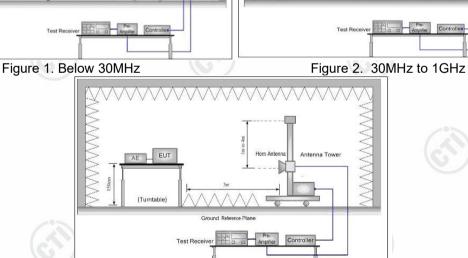


Figure 3. Above 1GHz





Controlles

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### **Test Procedure:**

### Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 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.
- d. 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 retested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

### Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre( Above 18GHz the distance is 1 meter and table is 1.5 metre).
- h. Test the EUT in the only 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.
   Repeat above procedures until all frequencies measured was complete.

Frequency	Field strength (microvolt/meter)	Limit (dBµV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	- (2	0 -	30
1.705MHz-30MHz	30	- 6	J -	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

**Note:** 15.35(b), 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.

< F	Fundamental Frequency	Limit (dBµV/m @3m)	Remark	
	868.35MHz	81.94	Average Value /quasi-peak Value	
		101.94	Peak Value	
	Limit (dBµV/m @3m)	Remar	k V	
	61.94	Average Value /qua	si-peak Value	
	81.94	Peak Val	ue	
nsmi	itting mode		/	



(Spurious Emissions)

Limit:

(Field strength of the fundamental signal)

(Field strength of spurious emission)

Test Mode: Test Results:

Pass



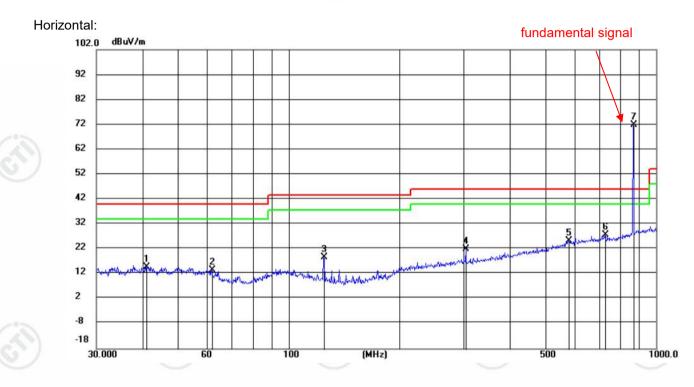




### **Spurious Emissions**

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30MHz-1GHz	6)	(S)	67)



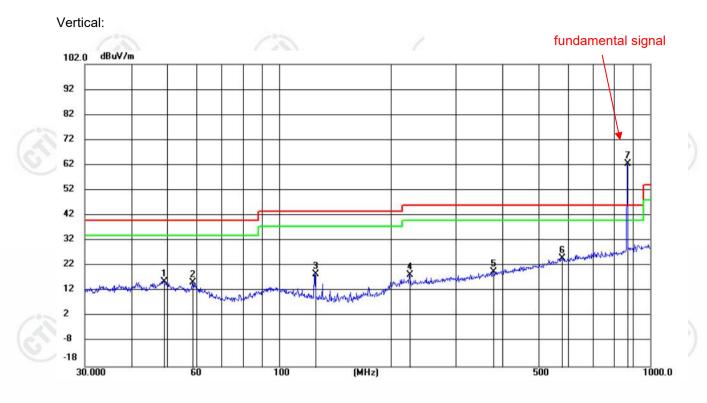
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	(	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		41.0095	0.47	14.50	14.97	40.00	-25.03	peak	199	79	
2		61.8539	0.88	12.92	13.80	40.00	-26.20	peak	199	131	
3		125.0065	8.30	10.43	18.73	43.50	-24.77	peak	100	248	
4		304.2363	4.63	17.34	21.97	46.00	-24.03	peak	100	166	
5		576.7454	1.77	23.45	25.22	46.00	-20.78	peak	199	7	
6		727.5701	2.52	25.20	27.72	46.00	- <mark>18.28</mark>	peak	100	166	
7	*	868.3686	44.09	27.77	71.86	81.94	-10.08	QP	100	104	



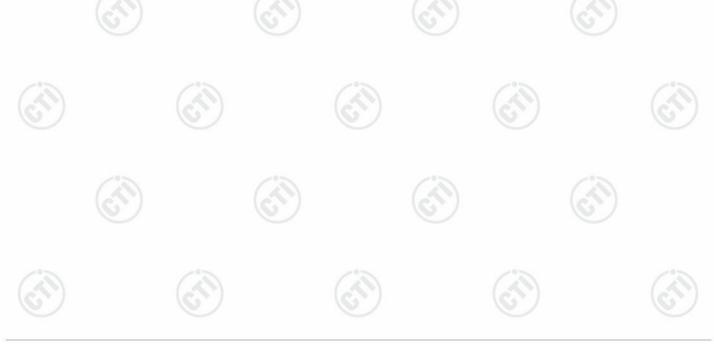








No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		48.9371	1.60	14.30	15.90	40.00	-24.10	peak	100	332	
2		58.4279	1.87	13.68	15.55	40.00	-24.45	peak	100	281	
3		125.0066	8.47	10.43	18.90	43.50	-24.60	peak	199	360	
4		224.9921	3.90	14.65	18.55	46.00	-27.45	peak	100	188	
5		378.1862	0.85	18.93	19.78	46.00	-26.22	peak	199	360	
6		578.4671	1.52	23.50	25.02	46.00	-20.98	peak	100	250	
7	*	868.5209	34.91	27.77	62.68	81.94	-19.26	QP	199	70	









### Above 1GHz

verage value=Peak value + PDCF			
relaye value-reak value + PDCr			
DCF=20 log(Duty cycle)			
uty cycle= T on time / T period			(A)
on time =100ms	(e)		C
period =100ms			
DCF=0		100	
	uty cycle= T on time / T period on time =100ms period =100ms	uty cycle= T on time / T period on time =100ms period =100ms	uty cycle= T on time / T period on time =100ms period =100ms

### Horizontal:

	Suspe	ected List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dB µ V]	Level [dB µ V/m]	Limit [dB µ V/m]	Margin [dB]	Result	Polarity	Remark
1	1	1736.67	3.06	39.88	42.94	81.94	39.00	PASS	Horizontal	PK
2	I				42.94	61.94	19.00	PASS	Horizontal	AV
	2	2604.06	5.14	51.60	56.74	81.94	25.20	PASS	Horizontal	PK
	Z	2604.96			56.74	61.94	5.20	PASS	Horizontal	AV
	3	4342.08	-17.15	54.15	37.00	81.94	44.94	PASS	Horizontal	PK
	3				37.00	61.94	24.94	PASS	Horizontal	AV
							11			

### Vertical:

Suspected List										
30	NO	Freq.	Factor	Reading	Level	Limit	Margin	Result	Polarity	Remark
	110	[MHz]	[dB]	[dBµV]	[dBµV/m]	[dBµV/m]	[dB]	rtooun	1 olarity	
	1	1738.87	3.08	37.08	40.16	81.94	41.78	PASS	Vertical	PK
	I				40.16	61.94	21.78	PASS	Vertical	AV
	0	2604.06	5.14	45.70	50.84	81.94	31.10	PASS	Vertical	PK
	2	2604.96			50.84	61.94	11.10	PASS	Vertical	AV
	2	4342.08	-17.15	51.97	34.82	81.94	47.12	PASS	Vertical	PK
	3				34.82	61.94	27.12	PASS	Vertical	AV

### Remark:

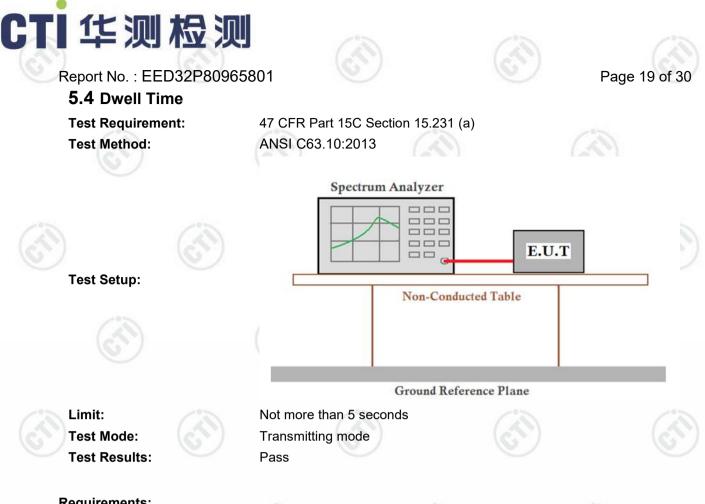
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor-Antenna Factor-Cable Factor

- 2) Scan from 9kHz to 5GHz, the disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) Average value=Peak value + PDCF

Report No. : EED3 5.3 20dB Bandy	2P80965801		(T)	Page 18 of 30
Test Requirement:	tion 15.231 (c)			
Test Method:				
Test Setup:	Spectrur	n Analyzer	2.U.T	
		Ground Reference Plane		
		Ground Reference Flane		
Limit: Test Mode: Test Results: Test data		0 MHz, the emission shal dth is determined at the p		
20dB bandwidt	h (MHz)	Limit (MHz)	Resu	Its
0.1245		1.0848	PAS	S //>
Test plot as follows Spectr Ref Lev Att 0 dBm- -10 dBm	um vel 10.00 dBm ● R 25 dB ● SWT 100 ms ● V ew	BW 10 kHz BW 30 kHz Mode Auto Sweep M3[1] M1 Occ Bw M1[1]	-27.97 dBm 868.41080 MHz 410.998552822 KHz -7.55 dBm 868.31240 MHz	
-20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -80 dBm	D1 -27.550 dBm	Me M3	row up have a marked of the sector with	
	.35 MHz	691 pts	Span 2.0 MHz	
Marker Type M1 T1 T2 M2 M3	Ref         Trc         X-value           1         868.3124 MHz           1         868.13871 MHz           1         868.54971 MHz           1         868.2863 MHz           1         868.4108 MHz	Y-value         Function           -7.55 dBm         -36.98 dBm           -36.98 dBm         Occ Bw           -36.28 dBm         -28.56 dBm           -27.97 dBm         -27.97 dBm	Function Result 410.998552822 kHz	
		Measurir	ng 🚺 🖬 👘	



### **Requirements:**

1. Regulation 15.231 (a) The provisions of this Section are restricted to periodic operation within the band 40.66~40.70 MHz and above 70 MHz. Except as shown in paragraph (e) of this Section, the intentional radiator is restricted to the transmission of a control signal such as those used with alarm systems, door openers, remote switches, etc. Radio control of toys is not permitted. Continuous transmissions, such as voice or video, and data transmissions are not permitted. The prohibition against data transmissions does not preclude the use of recognition codes. Those codes are used to identify the sensor that is activated or to identify the particular component as being part of the system.

### **Result:**

The EUT is a remote switch without audio or video transmitted. The EUT meets the requirements of this section.

2. Regulation 15.231 (a1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

13	Result:	13	
6	Test item	Limit (S)	Results (S)
C	Transmitting time	≤5	0.3043









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### Test plot as follows:

●1Pk Clrw			
0 dBm	D2[1]	-0.76 dB 304.3 ms -8.70 dBm	
-10 dBm	(ITT)	608.7 ms	
-20 dBm			
-30 dBm			
-40 dBm			
52 dB marthemonuly mouleman whe	making an analytic manager and a strategy and the state of	hand a second and a second day	
-60 dBm		6	
-70 dBm			
-80 dBm			
CF 868.35 MHz	691 pts	1.5 s/	

**3. Regulation 15.231 (a2)** A transmitter activated automatically shall cease transmission within 5 seconds after activation.

### Result:

The EUT does not have automatic transmission.

**4. Regulation15.231 (a3)** Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions to determine system integrity of transmitters used in security or safety applications are allowed if the periodic rate of transmission does not exceed one transmission of not more than one second duration per hour for each transmitter.

### **Result:**

The EUT does not employ periodic transmission.

**5. Regulation 15.231 (a4)** Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition.

#### Result:

This section is not applicable to the EUT.