

APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
Flying Basketball LLC

Smart Light
Model No.: S7RN5S

FCC ID: 2AROU-7887

Prepared for : Flying Basketball LLC
Address : 1560 Sawgrass Corporate Parkway, 4th Floor, Sunrise, FL
33323

Prepared by : Shenzhen Accurate Technology Co., Ltd.
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Report No. : ATE20190471
Date of Test : March 27-March 29, 2019
Date of Report : April 3, 2019

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Test Report Certification

Applicant : Flying Basketball LLC
Address : 1560 Sawgrass Corporate Parkway, 4th Floor, Sunrise, FL 33323
Product : Smart Light
Model No. : S7RN5S

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.10: 2013

The EUT was tested according to DTS test procedure of August 24, 2018 KDB558074 D01 DTS Meas Guidance v05 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

Date of Test : _____ March 27-March 29, 2019
Date of Report : _____ April 3, 2019

Prepared by : _____



Approved & Authorized Signer : _____
(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Smart Light
Model Number : S7RN5S
Frequency Range : 802.11b/g/n(20MHz): 2412-2472MHz
Number of Channels : 802.11b/g/n (20MHz):13
Antenna Gain : 5.2dBi
Type of Antenna : Integral Antenna
Data Rate : 802.11b: 11, 5.5, 2, 1 Mbps
802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
802.11n: up to 72Mbps
Modulation Type : DSSS, OFDM
Power Supply : AC 120V, 60Hz

1.2. Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	08	2447
02	2417	09	2452
03	2422	10	2457
04	2427	11	2462
05	2432	12	2467
06	2437	13	2472
07	2442	---	---

1.3. Accessory and Auxiliary Equipment

PC : Manufacturer: LENOVO
(provided by laboratory) M/N: 4290-RT8
S/N: R9-FW93G 11/08

1.4. Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications
Commission (FCC)
The Designation Number is CN1189
The Registration Number is 708358

Listed by Innovation, Science and Economic Development
Canada (ISED)
The Registration Number is 5077A-2

Accredited by China National Accreditation Service for
Conformity Assessment (CNAS)
The Registration Number is CNAS L3193

Accredited by American Association for Laboratory
Accreditation (A2LA)
The Certificate Number is 4297.01

Name of Firm : Shenzhen Accurate Technology Co., Ltd.
Site Location : 1/F., Building A, Changyuan New Material Port, Science
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P.R. China

1.5. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 05, 2019	1 Year
EMI Test Receiver	Rohde&Schwarz	ESR	101526/003	Jan. 05, 2019	1 Year
Spectrum Analyzer	Rohde&Schwarz	FSV-40	101495	Jan. 05, 2019	1 Year
Pre-Amplifier	Compliance Direction	RSU-M2	38322	Jan. 05, 2019	1 Year
Pre-Amplifier	Agilent	8447D	294A10619	Jan. 05, 2019	1 Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 05, 2019	1 Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 05, 2019	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 05, 2019	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 05, 2019	1 Year
Open Switch and Control Unit	Rohde&Schwarz	OSP120 + OSP-B157	101244 + 100866	Jan. 05, 2019	1 Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 05, 2019	1 Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18G-10SS	N/A	Jan. 05, 2019	1 Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2485-2375 /2510-60/11SS	N/A	Jan. 05, 2019	1 Year
Conducted Emission Test Software: ES-K1 V1.71					
Radiated Emission Test Software: EZ_EMC V1.1.4.2					

3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

The mode is used: **1.802.11b Transmitting mode**

Channel: 2412MHz
Channel: 2437MHz
Channel: 2462MHz
Channel: 2467MHz
Channel: 2472MHz

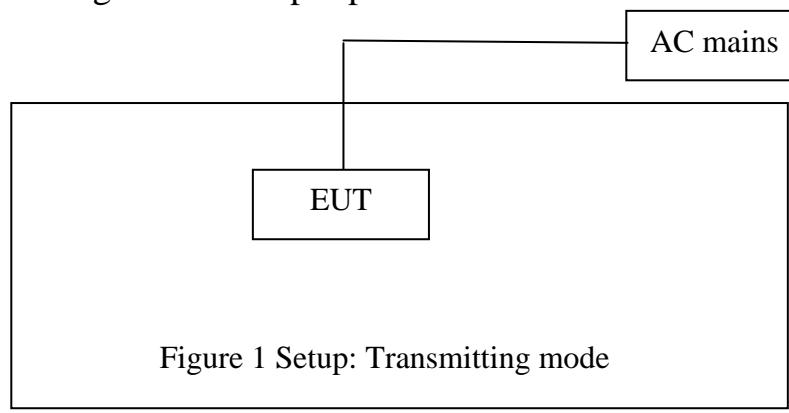
2.802.11g Transmitting mode

Channel: 2412MHz
Channel: 2437MHz
Channel: 2462MHz
Channel: 2467MHz
Channel: 2472MHz

3.802.11n (20MHz) Transmitting mode

Channel: 2412MHz
Channel: 2437MHz
Channel: 2462MHz
Channel: 2467MHz
Channel: 2472MHz

3.2. Configuration and peripherals



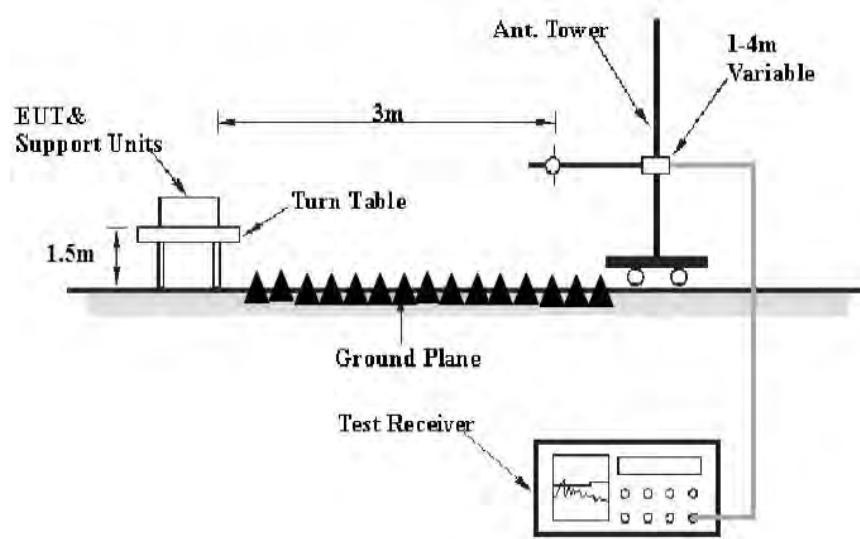
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(d) Section 15.205	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant

5. BAND EDGE COMPLIANCE TEST

5.1. Block Diagram of Test Setup

(C) Radiated Emission Test Set-Up. Frequency above 1GHz



5.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

5.3. Restricted bands of operation

5.3.1. FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 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	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	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			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

5.4. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.5.Operating Condition of EUT

5.5.1.Setup the EUT and simulator as shown as Section 5.1.

5.5.2.Turn on the power of all equipment.

5.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2472MHz. We select 2412MHz, 2462, 2467, 2472MHz TX frequency to transmit.

5.6.Test Procedure

Radiated Band Edge Result

5.6.1.The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.

5.6.2.The turntable was rotated for 360 degrees to determine the position of maximum emission level.

5.6.3.EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

5.6.4.Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

5.6.5.The band edges was measured and recorded.

5.7.Test Result

Pass.

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

3. Display the measurement of peak values.

4. The average measurement was not performed when peak measured data under the limit of average detection.

The spectrum analyzer plots are attached as below.

Mode: 802.11b



Power Level Setup: 22

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Job No.: TUV2018 #1930

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp. (C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

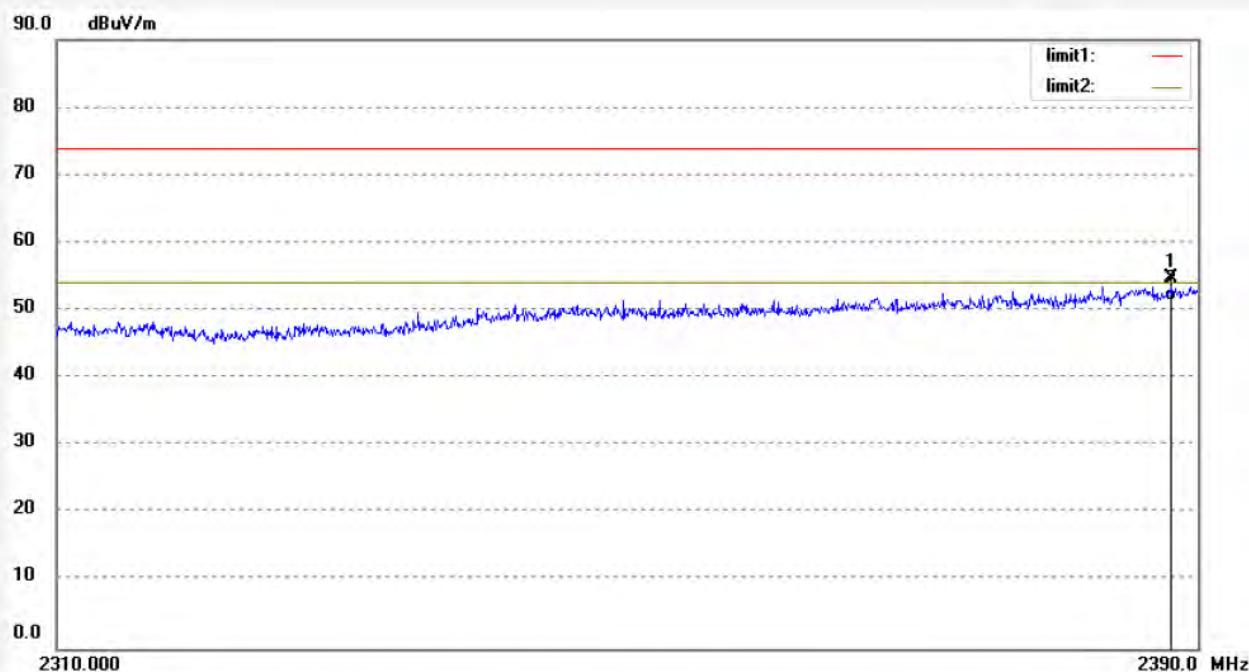
Mode: TX 2412MHz 22

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2388.122	53.98	0.78	54.76	74.00	-19.24	peak			
2	2388.122	50.66	0.78	51.44	54.00	-2.56	AVG			



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Job No.: TUV2018 #1931

Polarization: Vertical

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

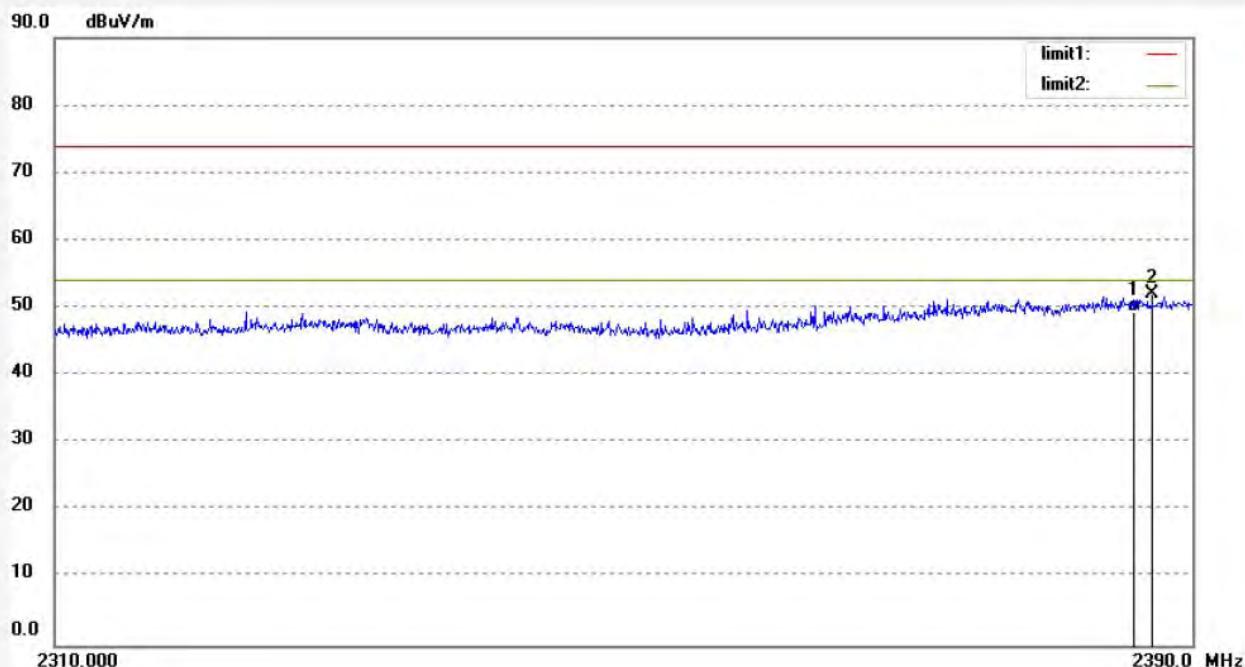
Mode: TX 2412MHz 22

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.044	48.66	0.76	49.42	54.00	-4.58	AVG			
2	2387.163	51.33	0.78	52.11	74.00	-21.89	peak			



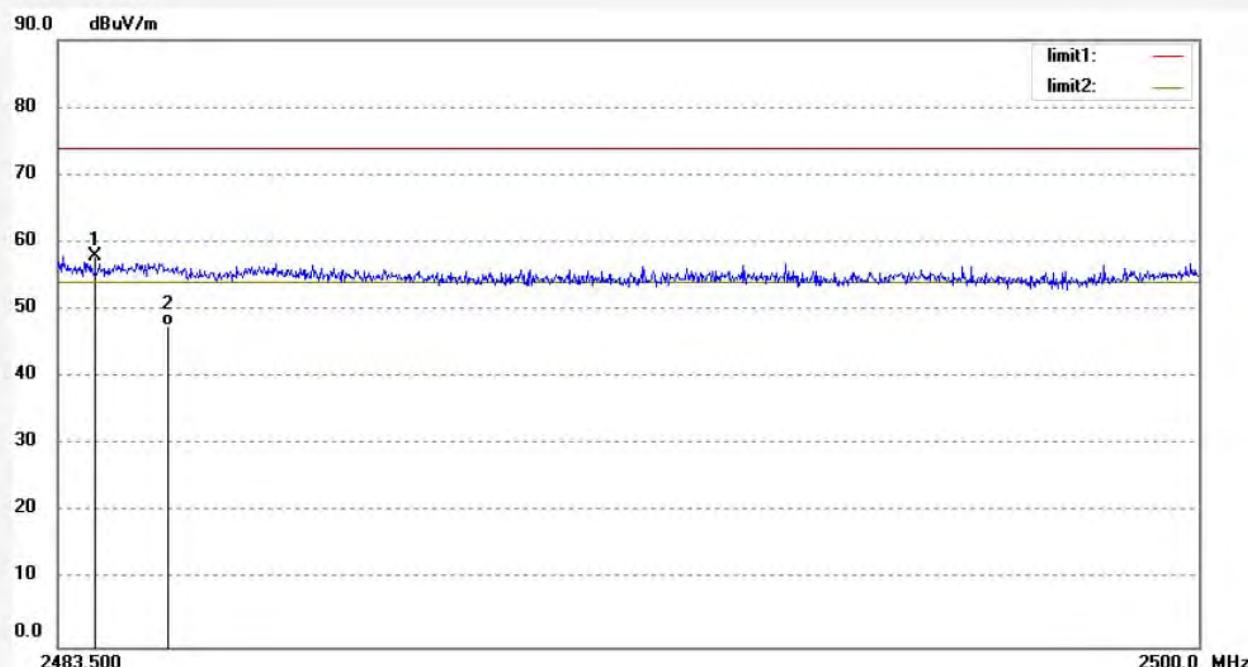
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Job No.: TUV2018 #1937
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Light
Mode: TX 2462MHz 22
Model: S7RN5S
Manufacturer:
Note: 802.11b

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2019/03/27
Time:
Engineer Signature: WADE
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.036	56.91	1.09	58.00	74.00	-16.00	peak			
2	2485.041	46.50	1.10	47.60	54.00	-6.40	AVG			



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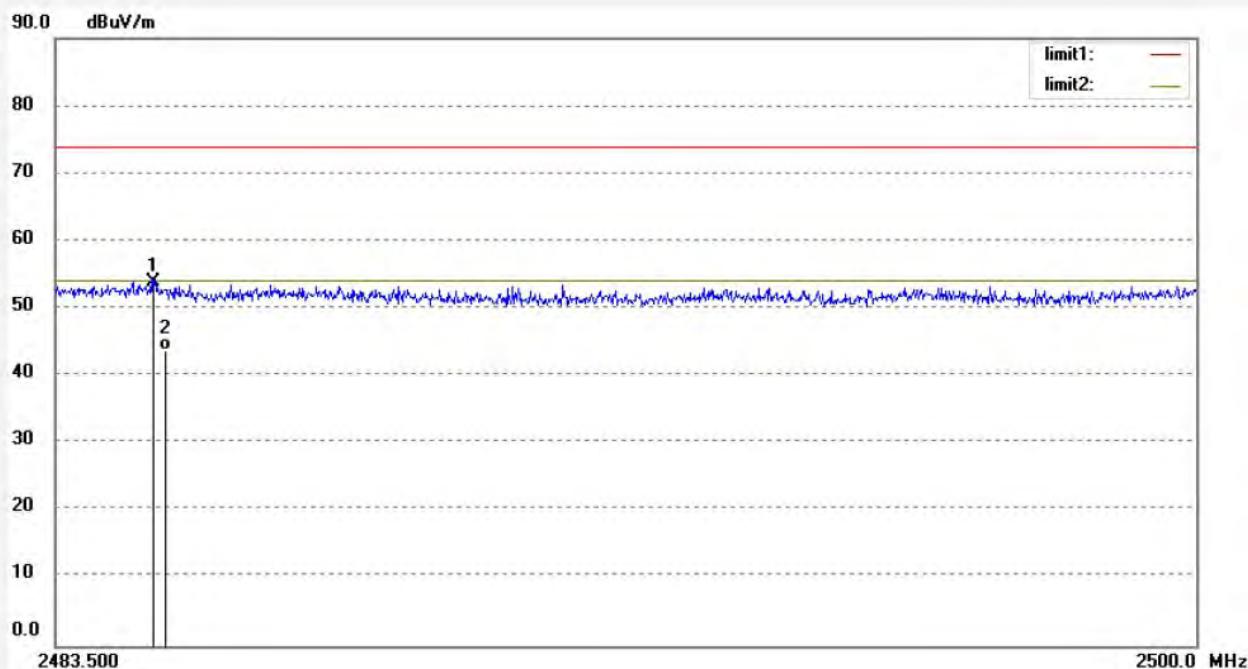
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Job No.:	TUV2018 #1936	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2462MHz 22	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11b		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.909	52.81	1.10	53.91	74.00	-20.09	peak			
2	2485.091	42.77	1.10	43.87	54.00	-10.13	AVG			

Mode: 802.11b

Power Level Setup: 17



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Job No.: TUV2018 #1938

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

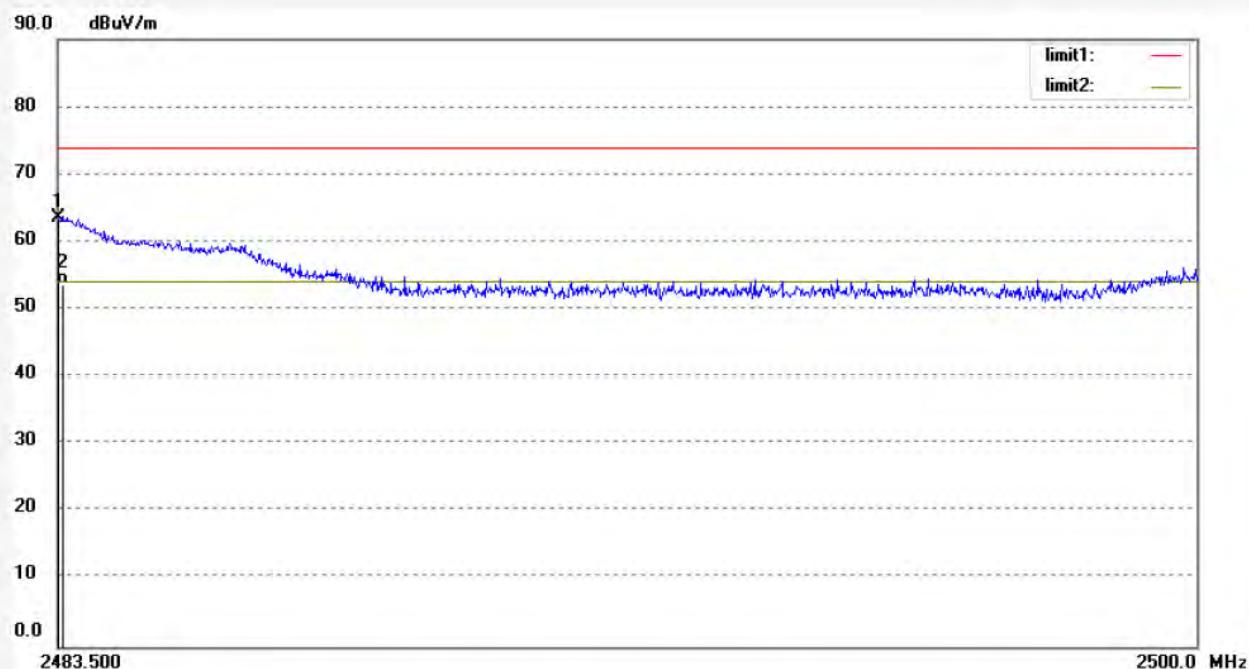
Mode: TX 2467MHz 17

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.525	62.54	1.10	63.64	74.00	-10.36	peak			
2	2483.525	52.51	1.10	53.61	54.00	-0.39	AVG			



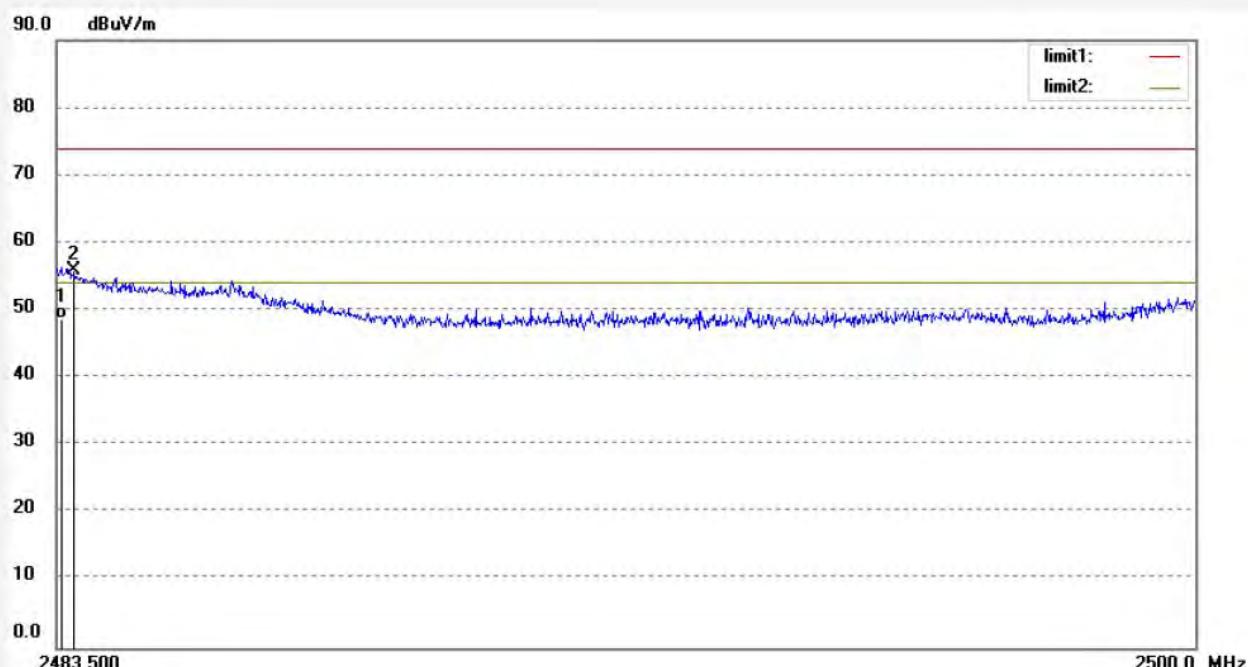
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Job No.: TUV2018 #1939
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Light
Mode: TX 2467MHz 17
Model: S7RN5S
Manufacturer:
Note: 802.11b

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2019/03/27
Time:
Engineer Signature: WADE
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.508	47.70	1.10	48.80	54.00	-5.20	AVG			
2	2483.755	54.79	1.10	55.89	74.00	-18.11	peak			

Mode: 802.11b

Power Level Setup: 0E



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Job No.: TUV2018 #1941

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

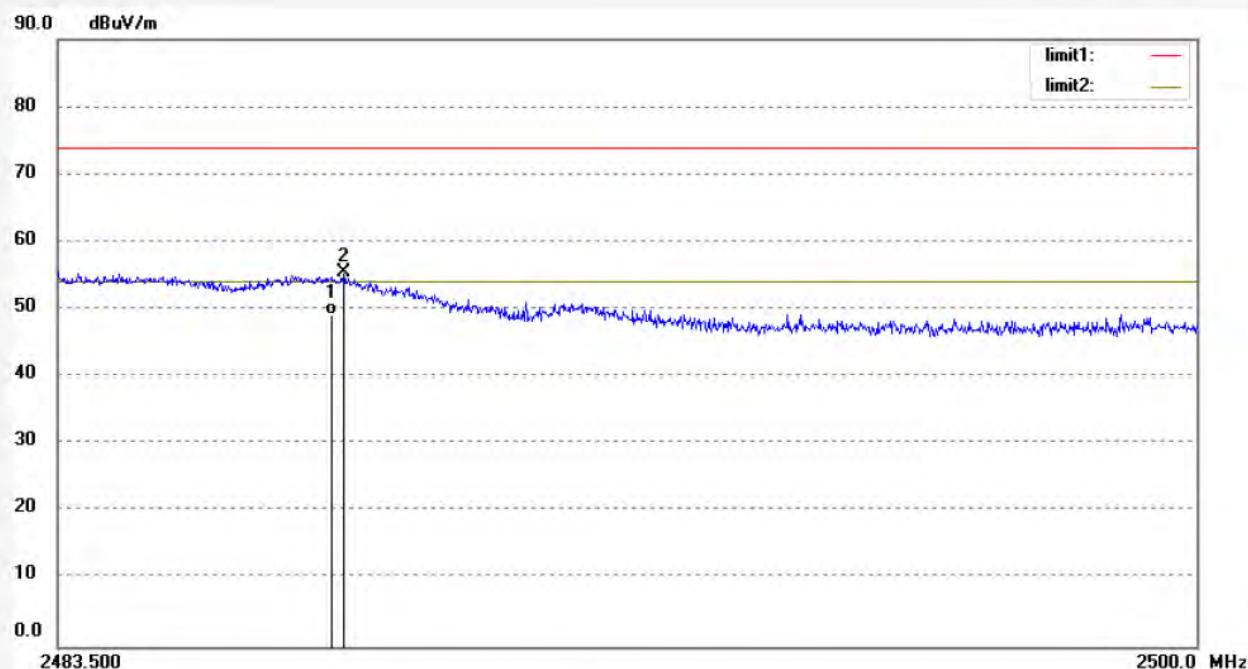
Mode: TX 2472MHz 0E

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2487.448	48.08	1.10	49.18	54.00	-4.82	AVG			
2	2487.646	54.31	1.10	55.41	74.00	-18.59	peak			



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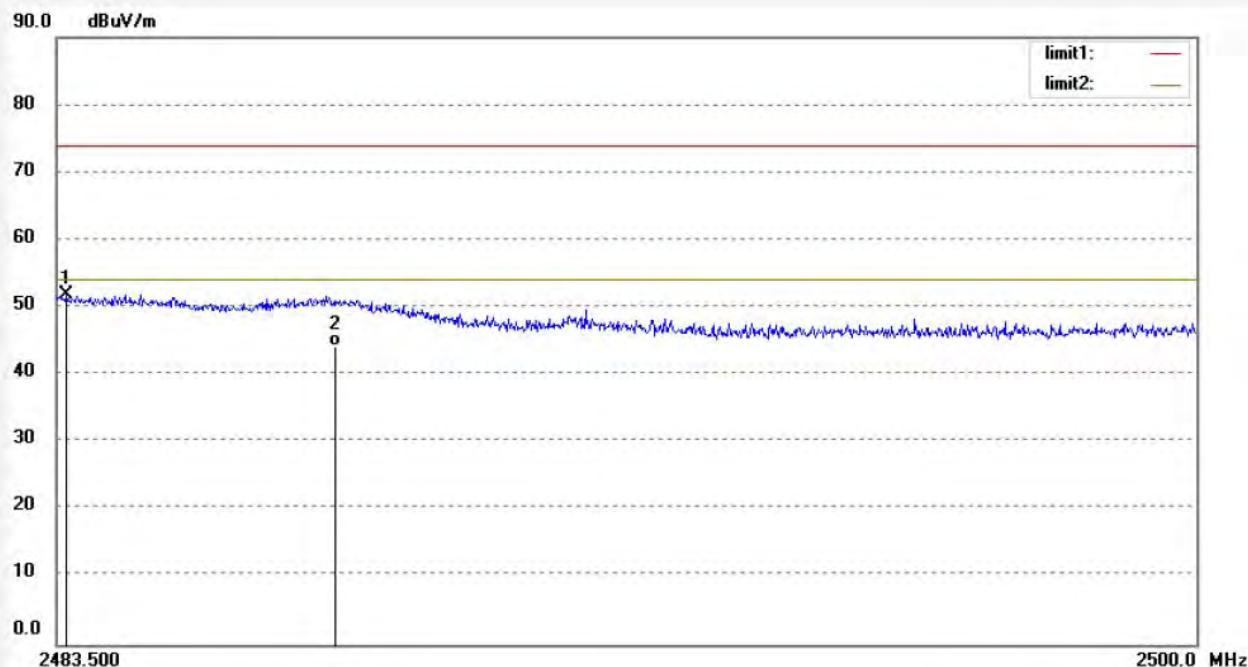
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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.:	TUV2018 #1940	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2472MHz 0E	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11b		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.640	50.80	1.10	51.90	74.00	-22.10	peak			
2	2487.497	43.05	1.10	44.15	54.00	-9.85	AVG			

Mode: 802.11g

Power Level Setup: 21



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Job No.: TUV2018 #1933

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp. (C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

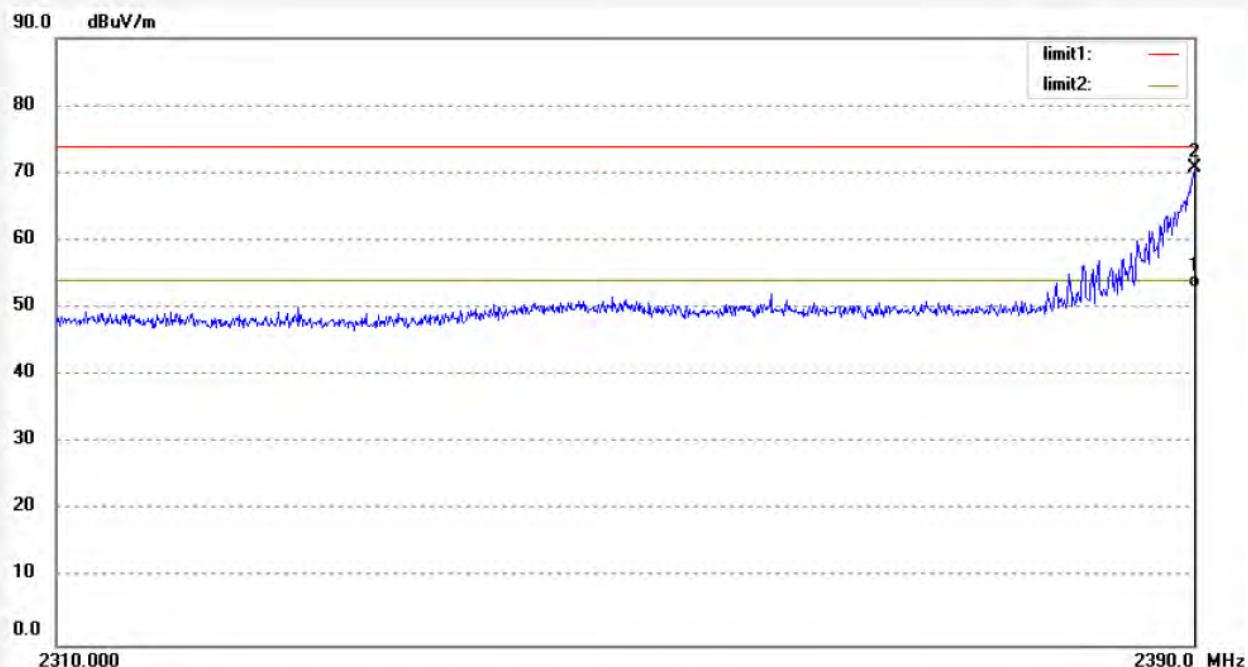
Mode: TX 2412MHz 21

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.880	52.17	0.79	52.96	54.00	-1.04	AVG			
2	2389.960	70.06	0.79	70.85	74.00	-3.15	peak			



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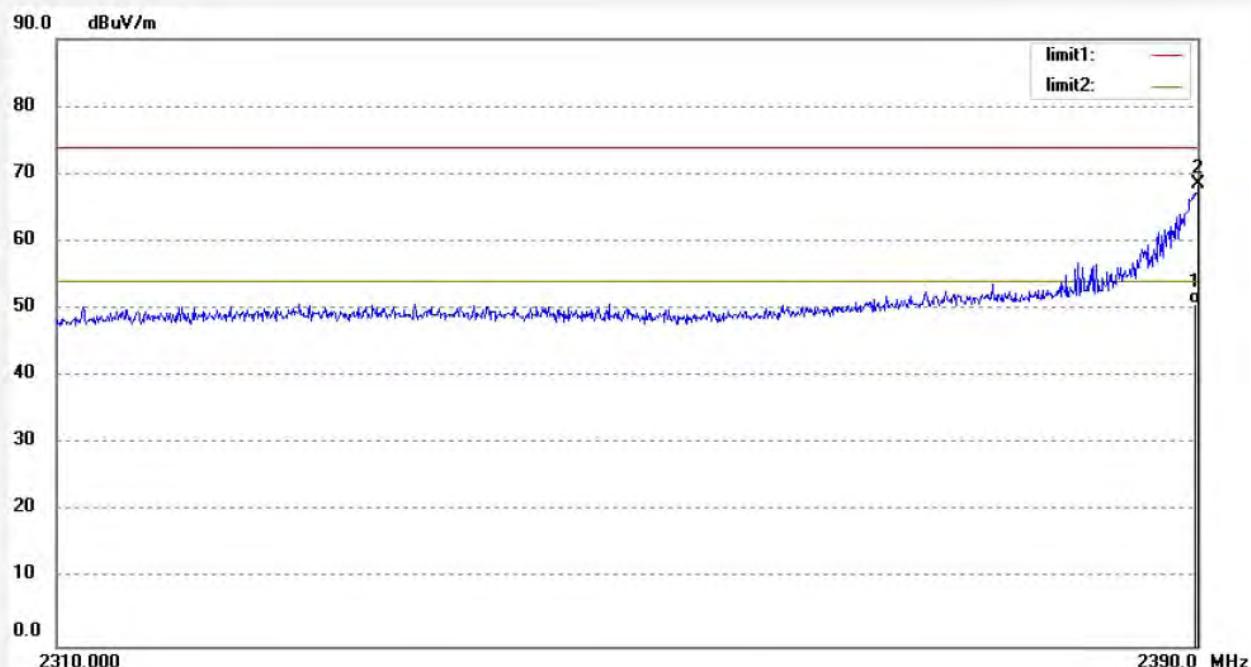
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Job No.: TUV2018 #1932 Polarization: Vertical
 Standard: FCC (Band Edge) Power Source: AC 120V/60Hz
 Test item: Radiation Test Date: 2019/03/27
 Temp.(C)/Hum.(%) 23 C / 48 % Time:
 EUT: Smart Light Engineer Signature: WADE
 Mode: TX 2412MHz 21 Distance: 3m
 Model: S7RN5S
 Manufacturer:
 Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.720	49.96	0.79	50.75	54.00	-3.25	AVG			
2	2389.960	67.72	0.79	68.51	74.00	-5.49	peak			

Mode: 802.11g

Power Level Setup: 1C



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Fax:+86-0755-26503396

Job No.: TUV2018 #1943

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

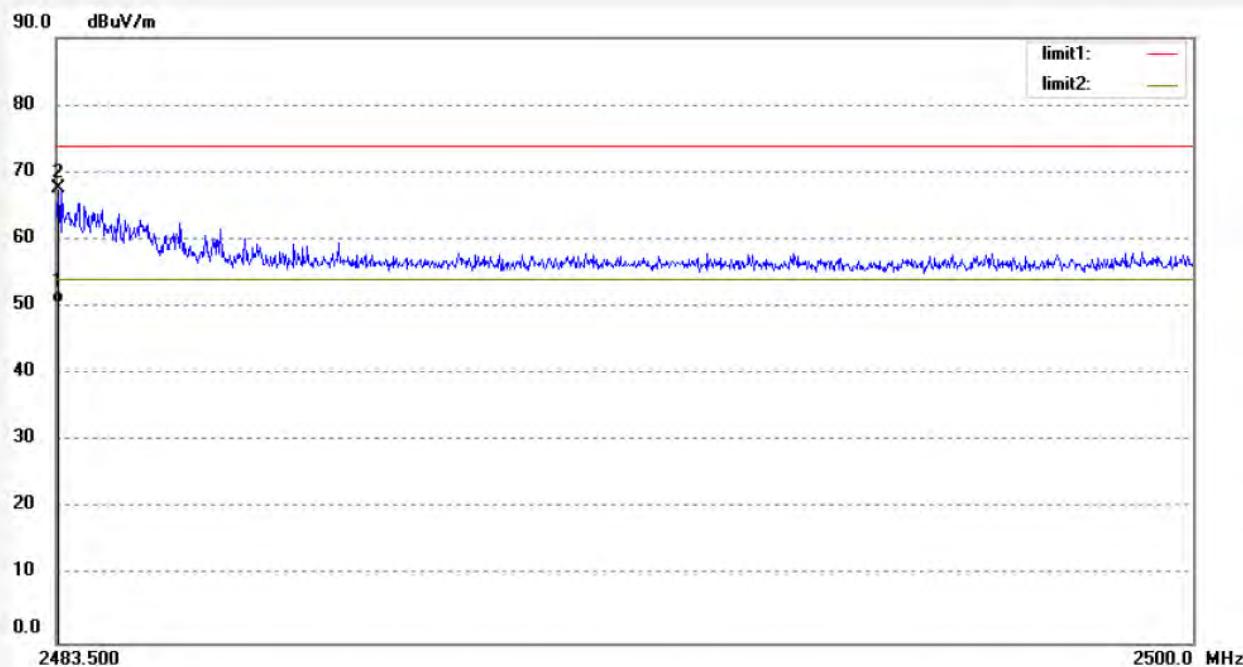
Mode: TX 2462MHz 1C

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.508	49.48	1.10	50.58	54.00	-3.42	AVG			
2	2483.525	66.61	1.10	67.71	74.00	-6.29	peak			

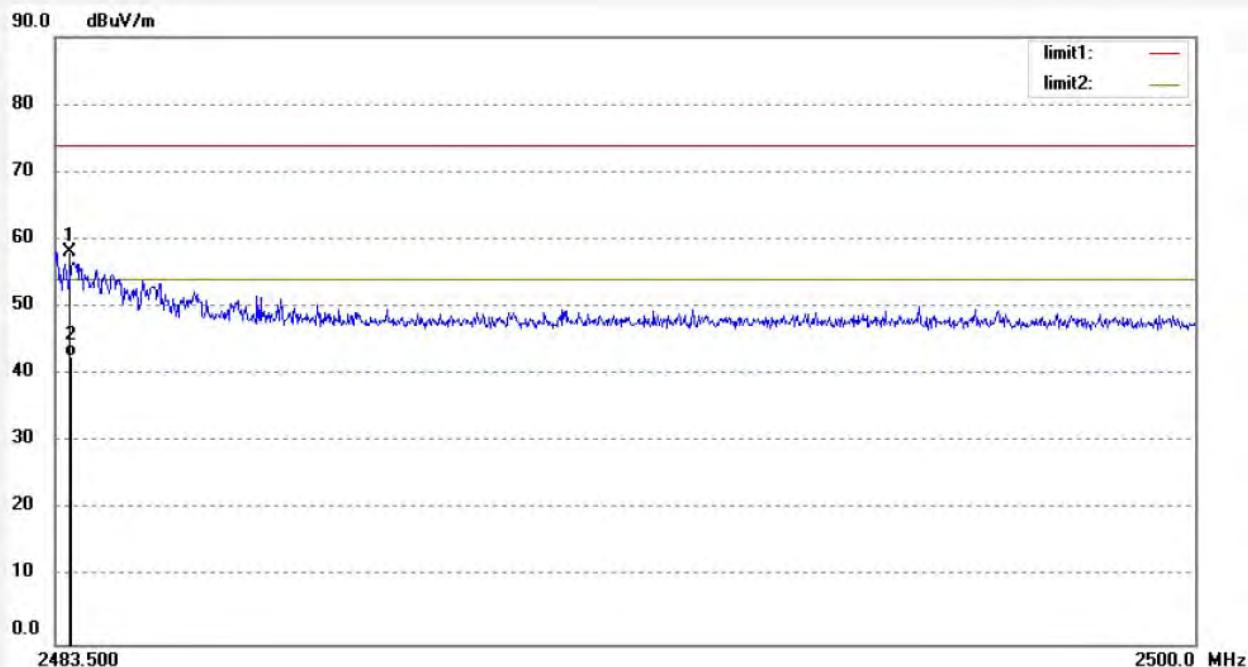


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Fax:+86-0755-26503396

Job No.:	TUV2018 #1944	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2462MHz 1C	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11g		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.690	57.07	1.10	58.17	74.00	-15.83	peak			
2	2483.706	41.61	1.10	42.71	54.00	-11.29	AVG			

Mode: 802.11g

Power Level Setup: 11



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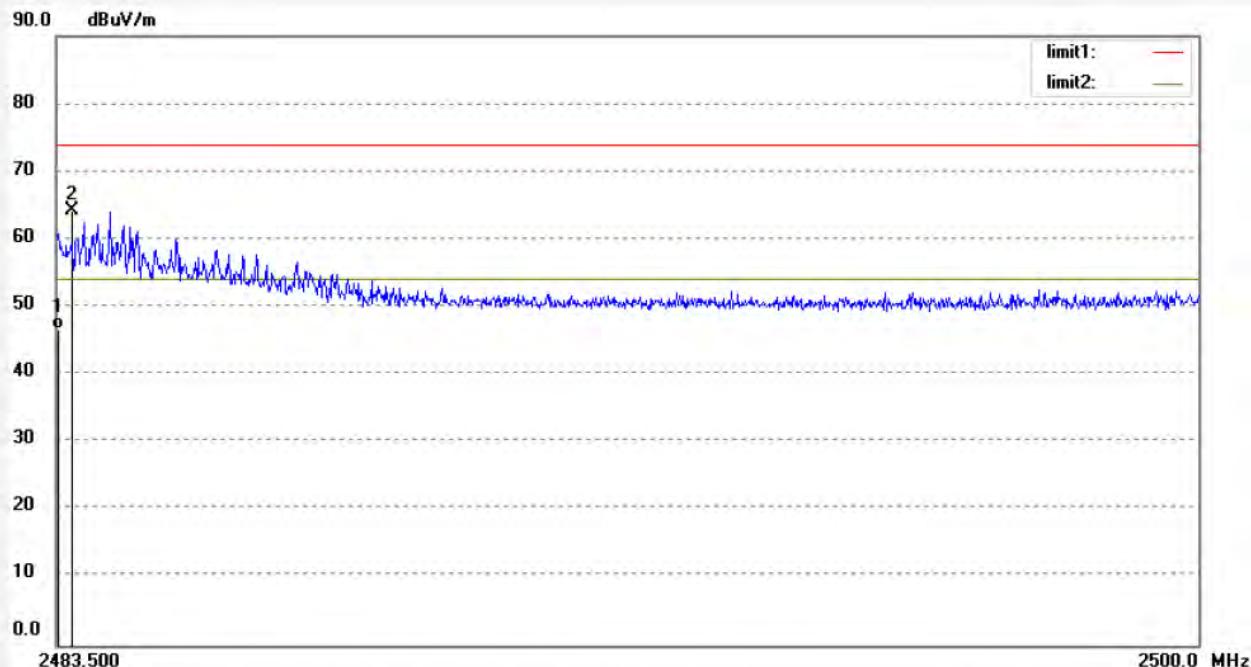
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber

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Job No.:	TUV2018 #1946	Polarization:	Horizontal
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp. (C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2467MHz 11	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11g		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.525	45.56	1.10	46.66	54.00	-7.34	AVG			
2	2483.739	63.25	1.10	64.35	74.00	-9.65	peak			



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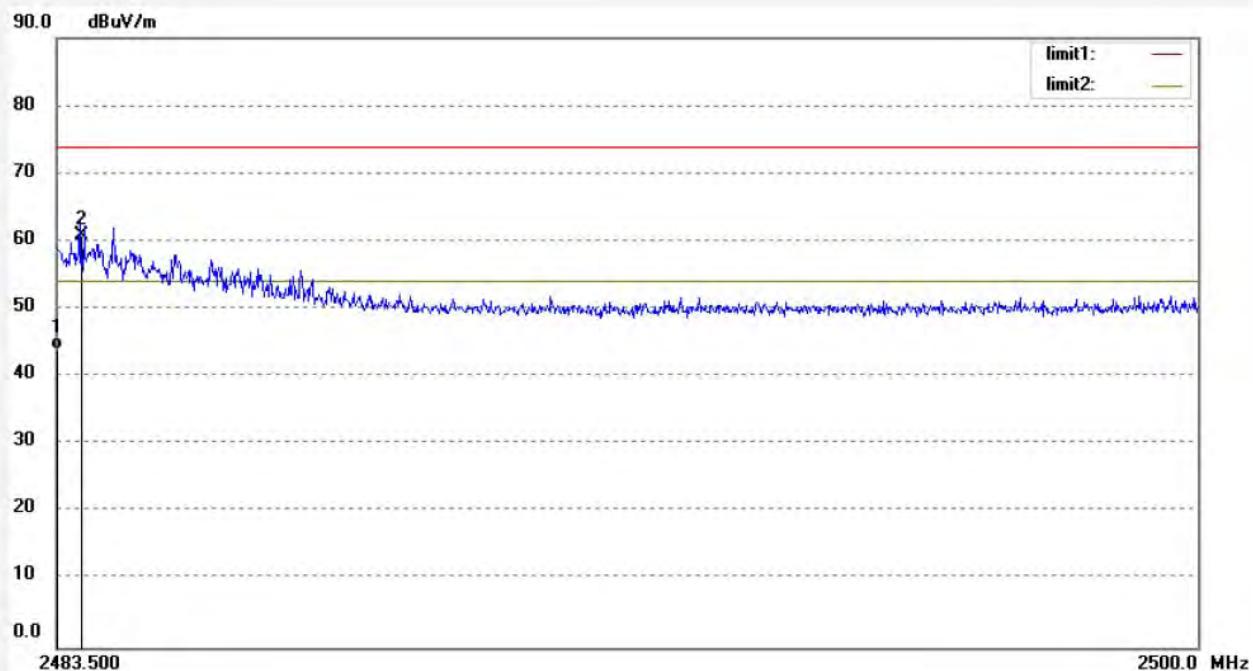
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: TUV2018 #1945
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Light
Mode: TX 2467MHz 11
Model: S7RN5S
Manufacturer:
Note: 802.11g

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2019/03/27
Time:
Engineer Signature: WADE
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.525	42.88	1.10	43.98	54.00	-10.02	AVG			
2	2483.871	59.70	1.09	60.79	74.00	-13.21	peak			

Mode: 802.11g

Power Level Setup: 00



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Job No.: TUV2018 #1947

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

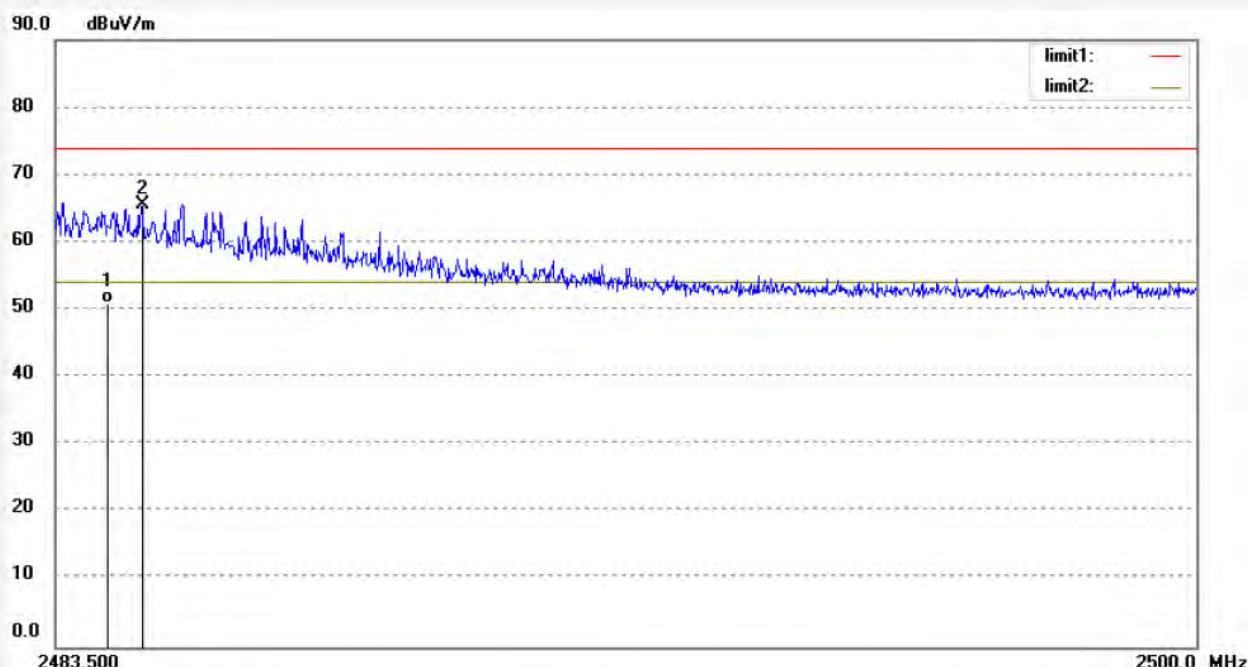
Mode: TX 2472MHz 00

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11g



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.266	49.83	1.09	50.92	54.00	-3.08	AVG			
2	2484.761	64.38	1.10	65.48	74.00	-8.52	peak			



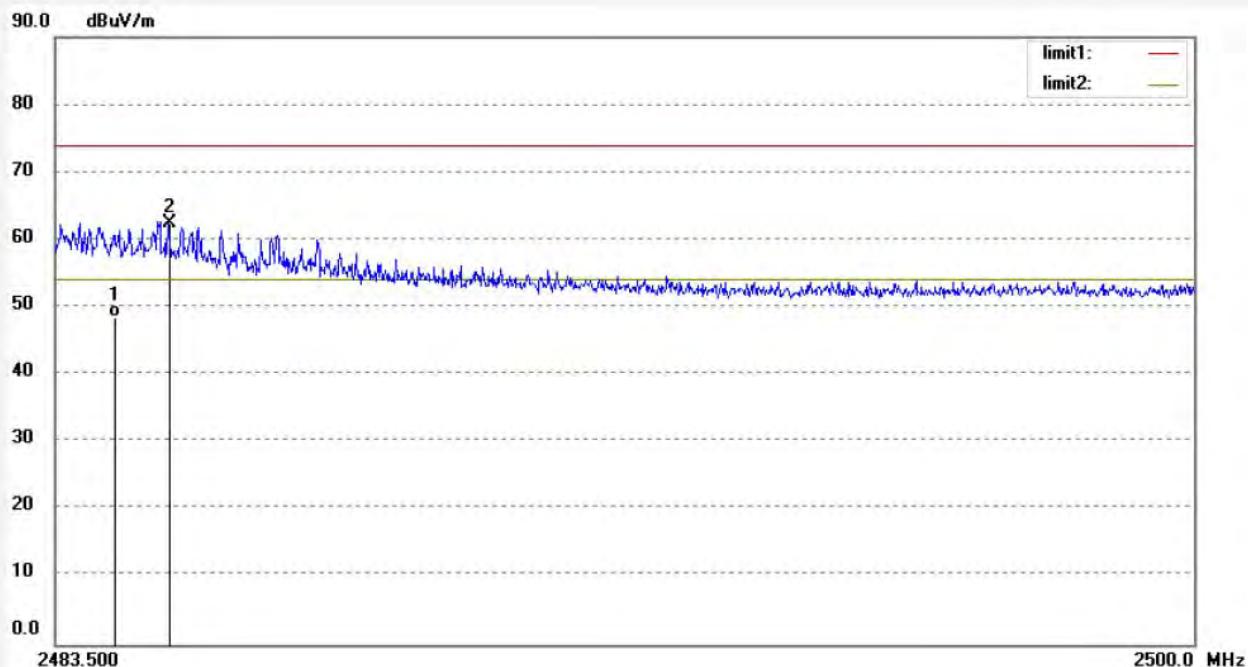
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Site: 2# Chamber
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Job No.: TUV2018 #1948
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Light
Mode: TX 2472MHz 00
Model: S7RN5S
Manufacturer:
Note: 802.11g

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2019/03/27
Time:
Engineer Signature: WADE
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.365	47.40	1.09	48.49	54.00	-5.51	AVG			
2	2485.157	61.41	1.10	62.51	74.00	-11.49	peak			

Mode: 802.11n

Power Level Setup: 20



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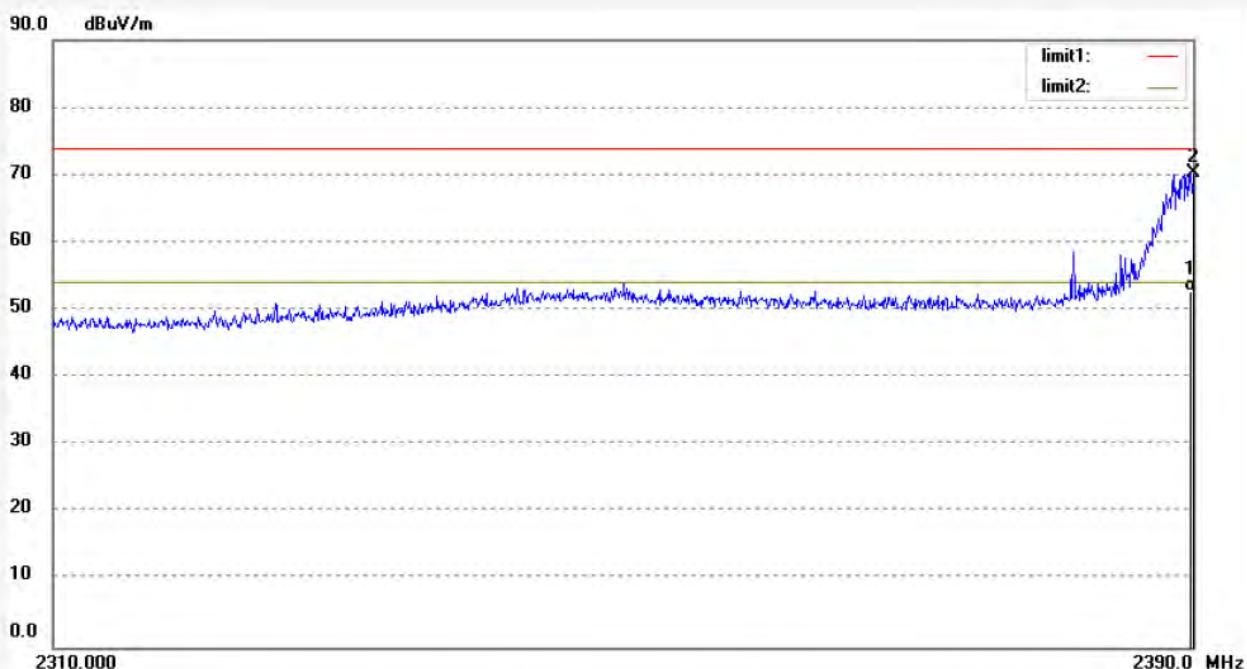
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: TUV2018 #1934
 Standard: FCC (Band Edge)
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Smart Light
 Mode: TX 2412MHz 20
 Model: S7RN5S
 Manufacturer:

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2019/03/27
 Time:
 Engineer Signature: WADE
 Distance: 3m

Note: 802.11n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.880	51.96	0.79	52.75	54.00	-1.25	AVG			
2	2389.960	69.59	0.79	70.38	74.00	-3.62	peak			



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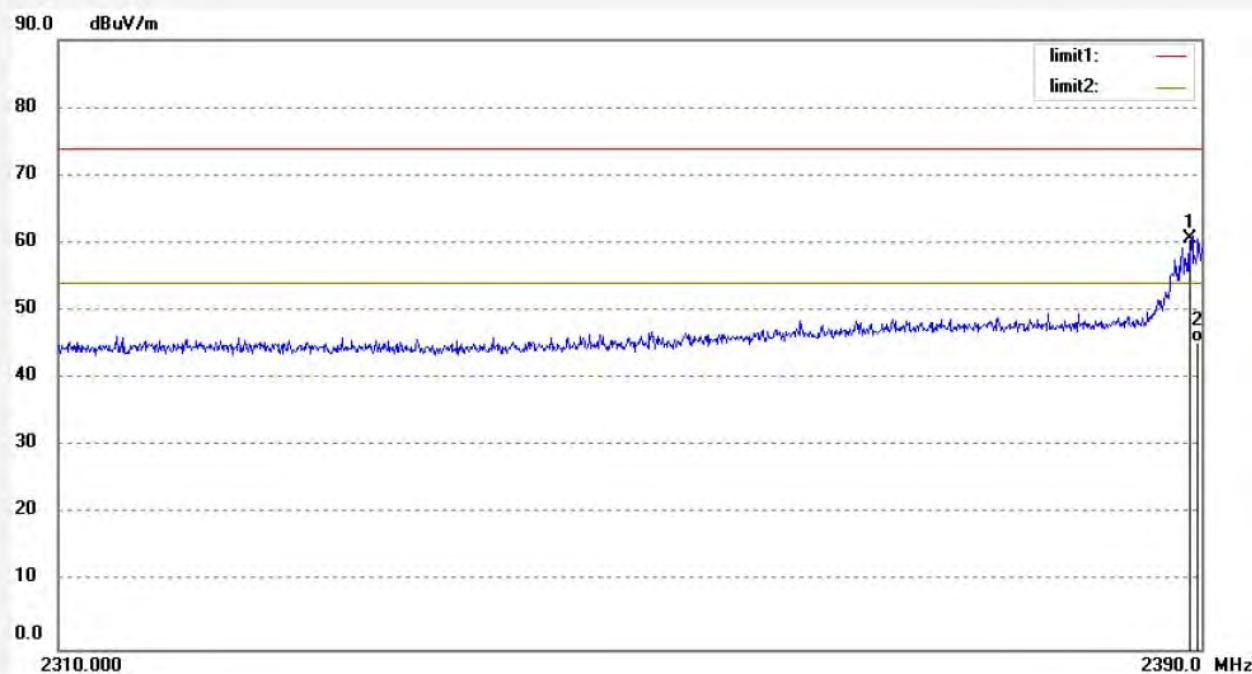
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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.:	TUV2018 #1935	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2412MHz 20	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11n		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.161	59.82	0.79	60.61	74.00	-13.39	peak			
2	2389.960	44.53	0.79	45.32	54.00	-8.68	AVG			

Mode: 802.11n

Power Level Setup: 1C



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Job No.: TUV2018 #1950

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp. (C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

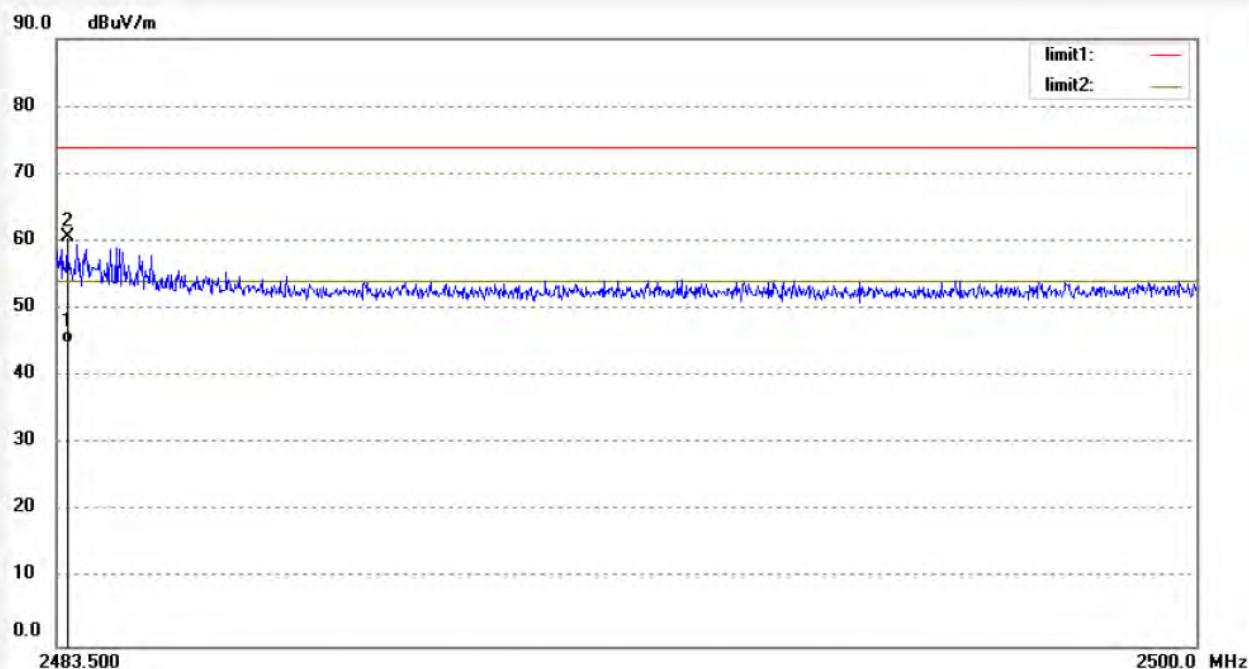
Mode: TX 2462MHz 1C

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.640	43.88	1.10	44.98	54.00	-9.02	AVG			
2	2483.673	59.49	1.10	60.59	74.00	-13.41	peak			



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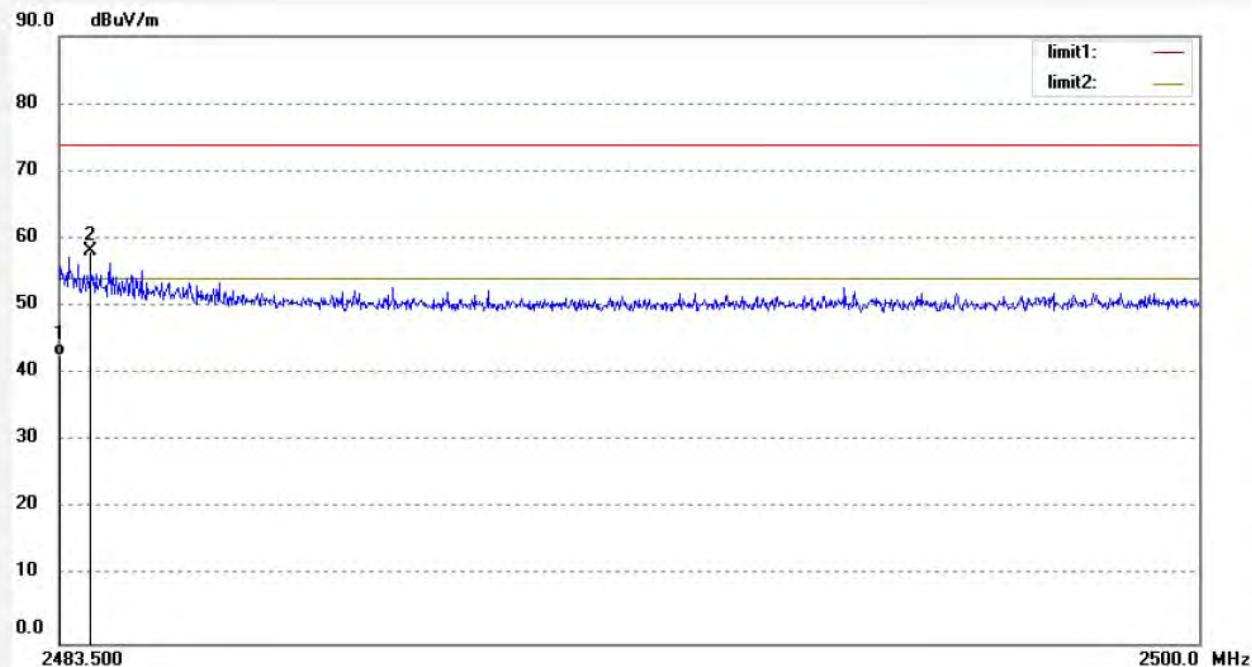
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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.:	TUV2018 #1949	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2462MHz 1C	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11n		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.508	41.46	1.10	42.56	54.00	-11.44	AVG			
2	2483.937	56.99	1.09	58.08	74.00	-15.92	peak			

Mode: 802.11n

Power Level Setup: 0B



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Job No.: TUV2018 #1951

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp. (C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

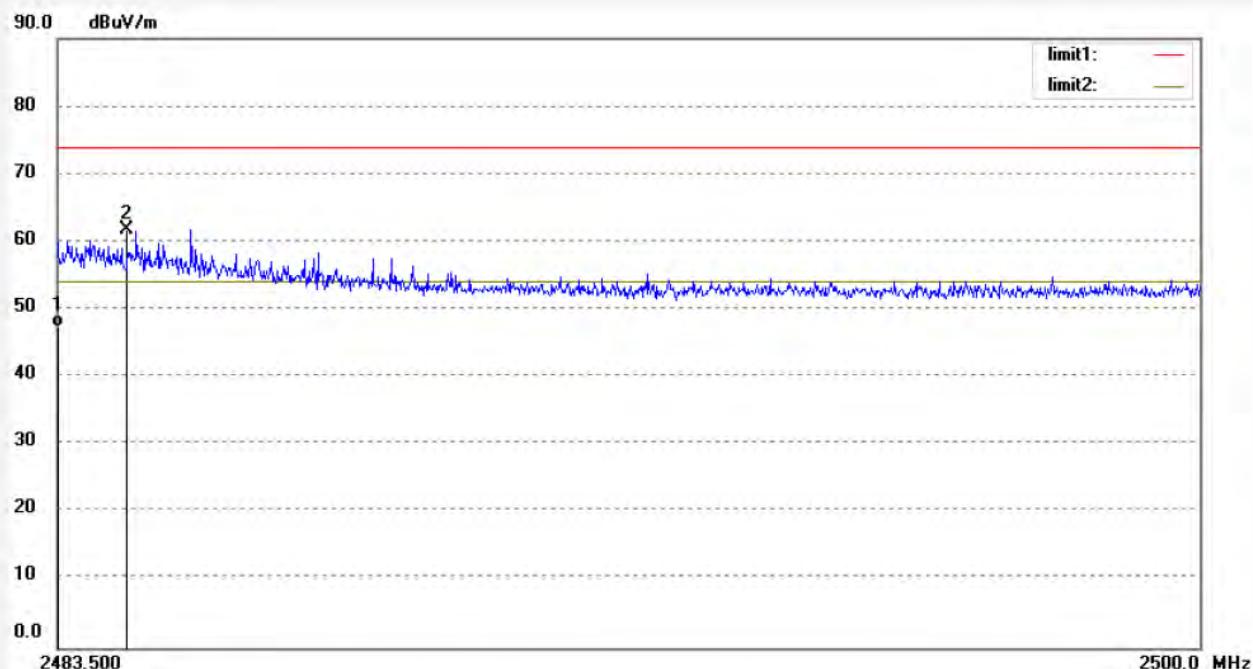
Mode: TX 2467MHz 0B

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.508	46.29	1.10	47.39	54.00	-6.61	AVG			
2	2484.481	60.61	1.09	61.70	74.00	-12.30	peak			



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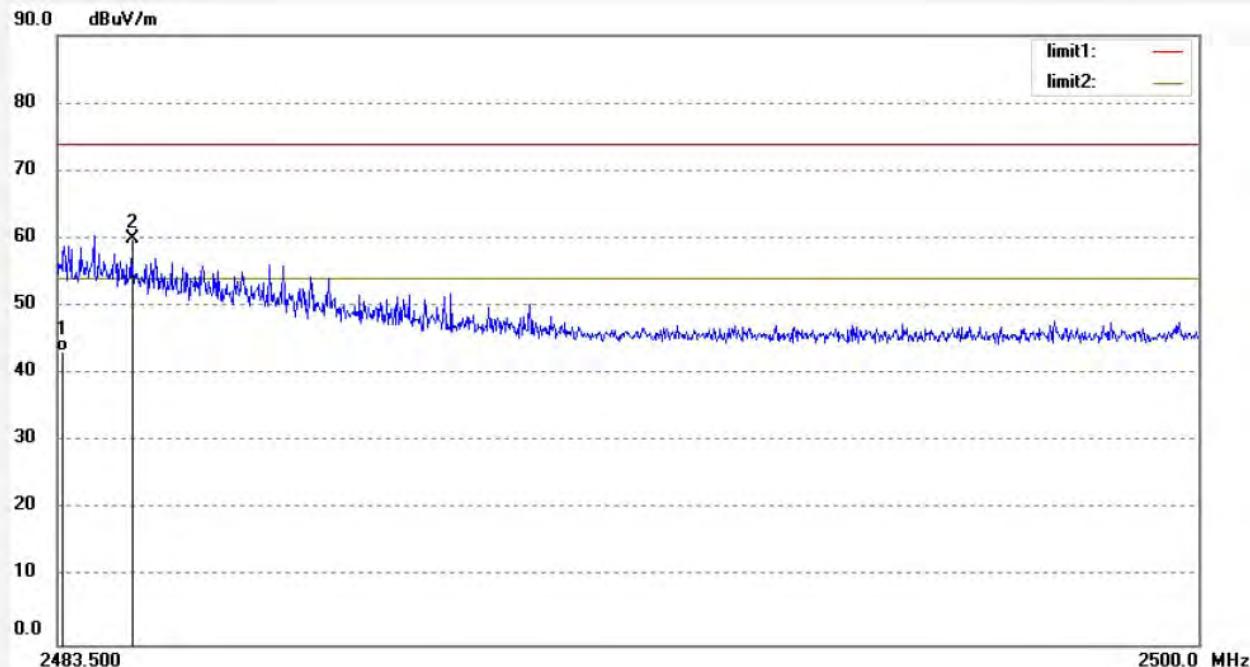
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.:	TUV2018 #1952	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2019/03/27
Temp. (C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2467MHz 0B	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11n		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.558	42.28	1.10	43.38	54.00	-10.62	AVG			
2	2484.580	58.83	1.10	59.93	74.00	-14.07	peak			

Mode: 802.11n

Power Level Setup: 00



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Job No.: TUV2018 #1954

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2019/03/27

Temp. (C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

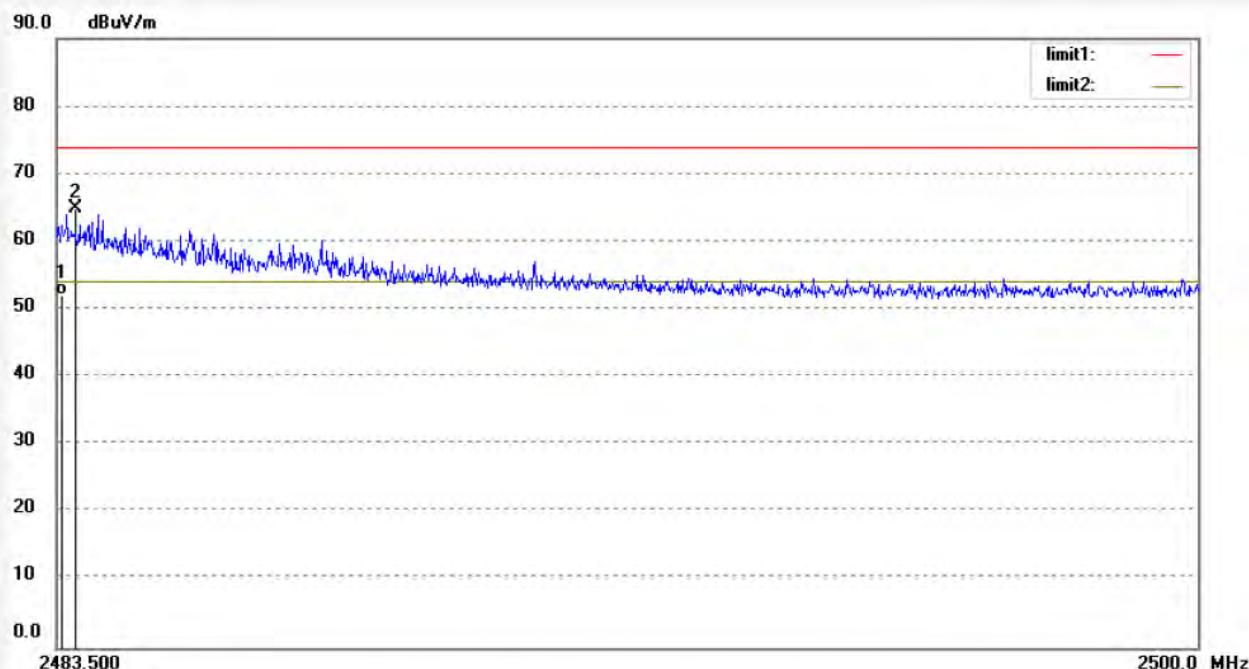
Mode: TX 2472MHz 00

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.508	51.08	1.10	52.18	54.00	-1.82	AVG			
2	2483.772	63.93	1.09	65.02	74.00	-8.98	peak			



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Site: 2# Chamber

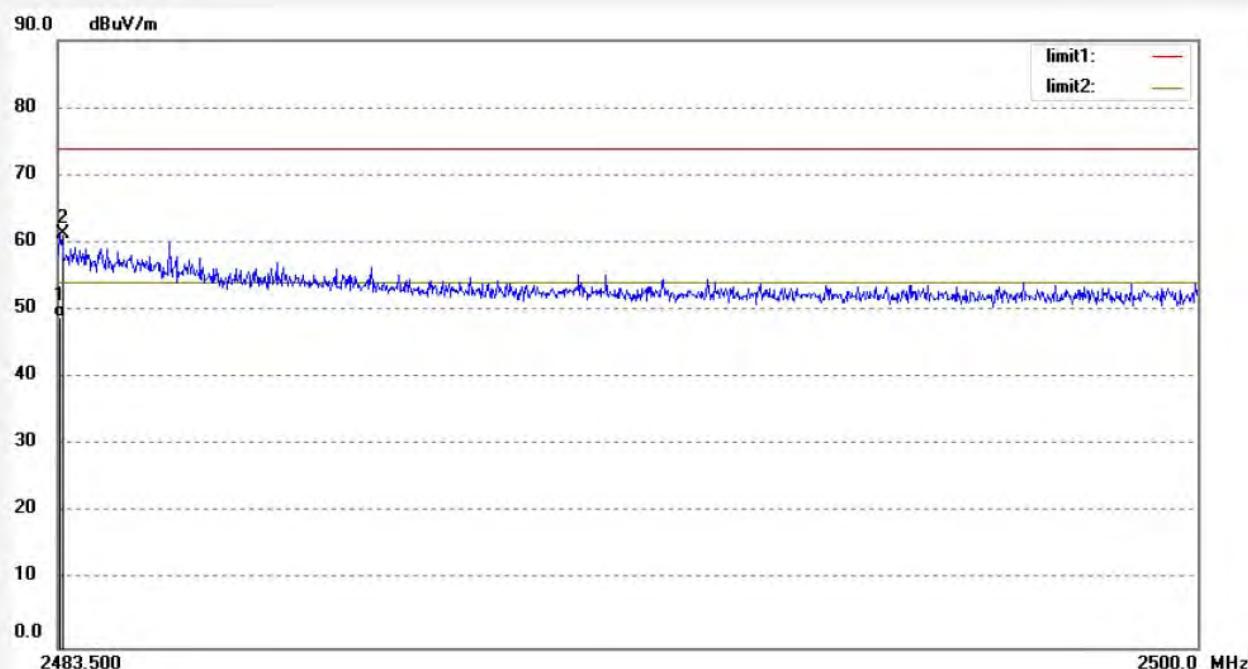
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: TUV2018 #1953
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp. (C)/Hum.(%) 23 C / 48 %
EUT: Smart Light
Mode: TX 2472MHz 00
Model: S7RN5S
Manufacturer:

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2019/03/27
Time:
Engineer Signature: WADE
Distance: 3m

Note: 802.11n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.508	47.81	1.10	48.91	54.00	-5.09	AVG			
2	2483.558	60.23	1.10	61.33	74.00	-12.67	peak			

6. RADIATED SPURIOUS EMISSION TEST

6.1. Block Diagram of Test Setup

6.1.1. Block diagram of connection between the EUT and peripherals

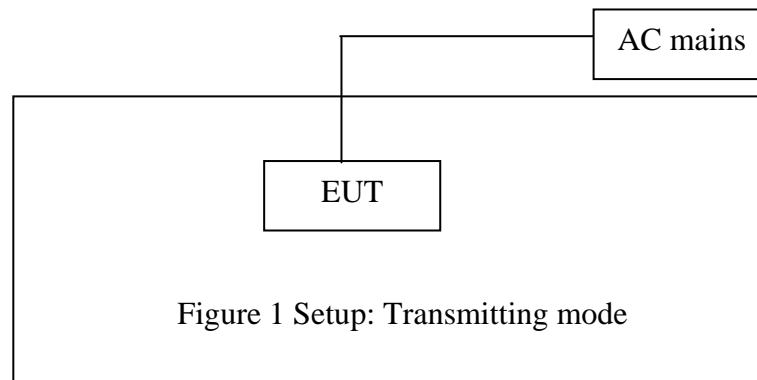
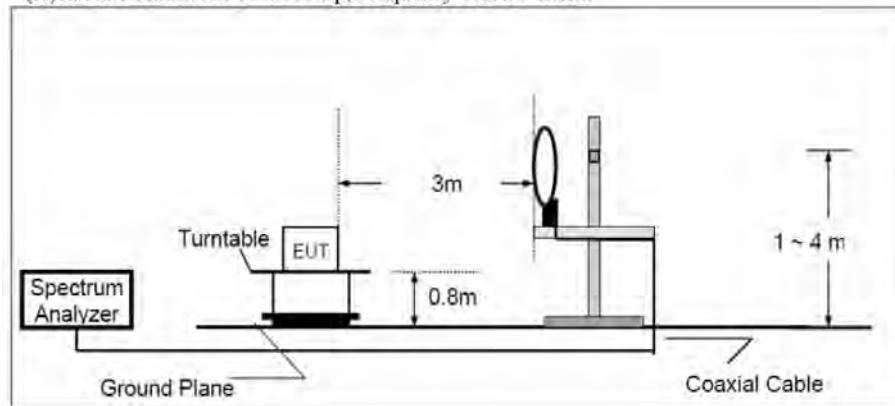


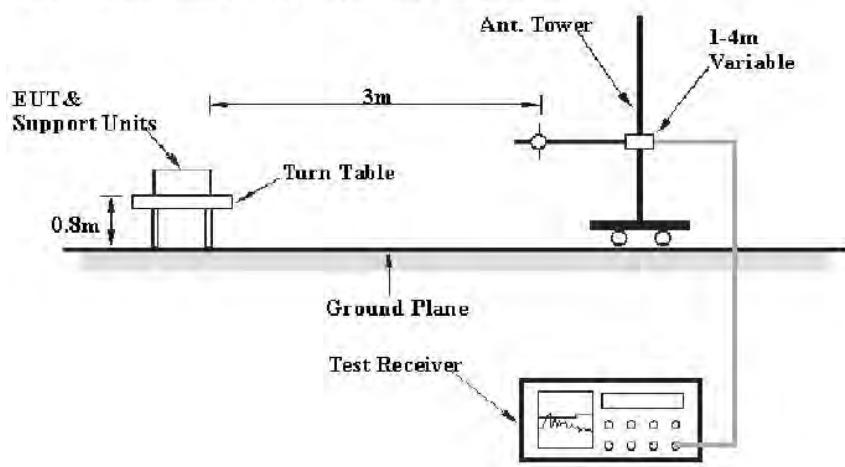
Figure 1 Setup: Transmitting mode

6.1.2. Semi-Anechoic Chamber Test Setup Diagram

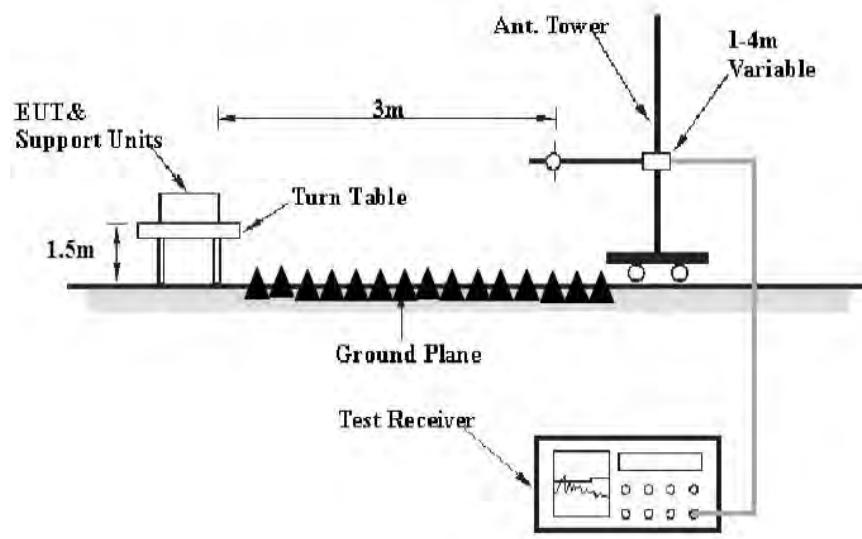
(A) Radiated Emission Test Set-Up, Frequency below 30MHz



(B) Radiated Emission Test Set-Up, Frequency 30MHz-1GHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



6.2.The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

6.3. Radiated emission limits for Section 15.209(a)

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

6.4. Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.5. Operating Condition of EUT

6.5.1. Setup the EUT and simulator as shown as Section 6.1.

6.5.2. Turn on the power of all equipment.

6.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2472 MHz. We select 2412MHz, 2437, 2462, 2467, 2472MHz TX frequency to transmit.

6.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement.

The frequency range from 30MHz to 26500MHz is checked.

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

6.7.Data Sample

Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark
X.XX	48.69	-13.35	35.34	46	-10.66	QP

Frequency(MHz) = Emission frequency in MHz

Reading(dB μ V) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain

Result(dB μ V/m) = Reading(dB μ V) + Factor(dB/m)

Limit (dB μ V/m) = Limit stated in standard

Margin (dB) = Result(dB μ V/m) - Limit (dB μ V/m)

QP = Quasi-peak Reading

Calculation Formula:

Margin(dB) = Result (dB μ V/m)–Limit(dB μ V/m)

Result(dB μ V/m)= Reading(dB μ V)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

6.8.Test Results

Pass.

Note: Emissions attenuated more than 20 dB below the permissible value are not reported.

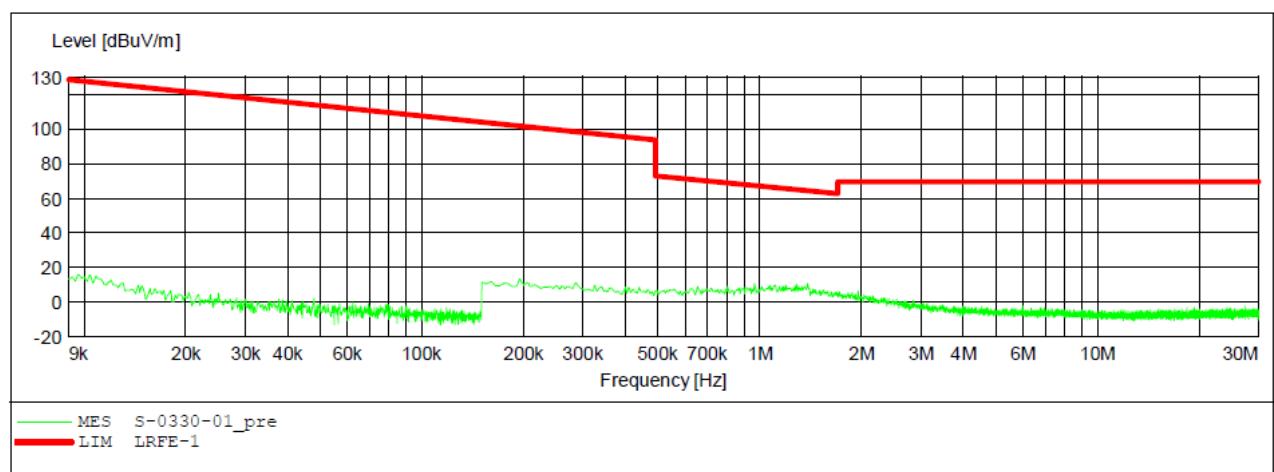
The spectrum analyzer plots are attached as below.

Mode: 802.11b**Power Level Setup: 22****ACCURATE TECHNOLOGY CO., LTD****FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2412MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: X

SCAN TABLE: "LFRE Fin"

Short Description:		_SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas.	IF	Transducer	
Frequency	Frequency	Width		Time	Bandw.		
9.0	150.0	100.0	QuasiPeak	1.0 s	200 Hz	1516M	
kHz	kHz	Hz					
150.0	30.0	5.0	QuasiPeak	1.0 s	9 kHz	1516M	
kHz	MHz	kHz					

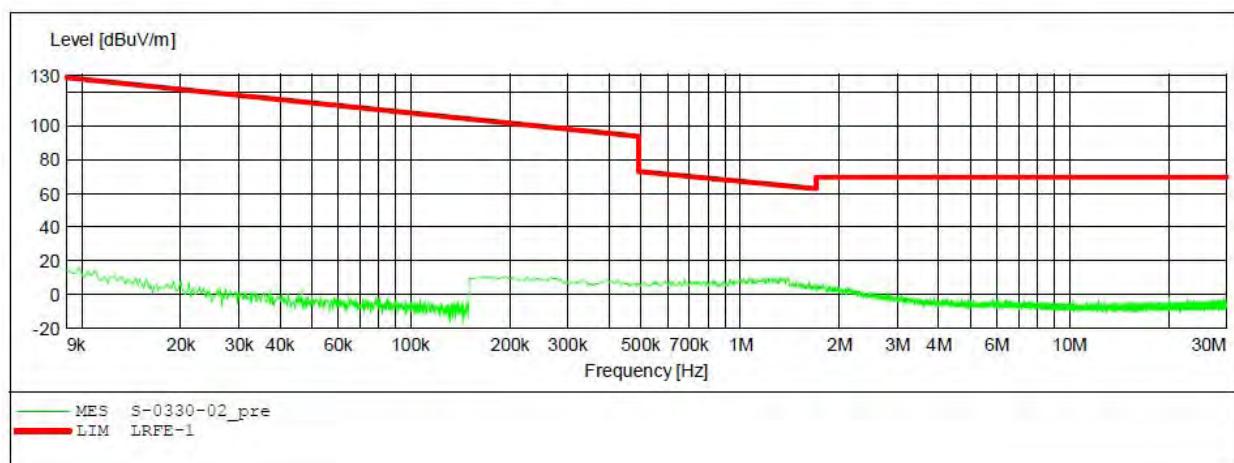


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2412MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: Y

SCAN TABLE: "LFRE Fin"

Short Description:			- SUB_STD_VTERM2 1.70		
Start	Stop	Step	Detector	Meas.	IF
Frequency	Frequency	Width		Time	Bandw.
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz

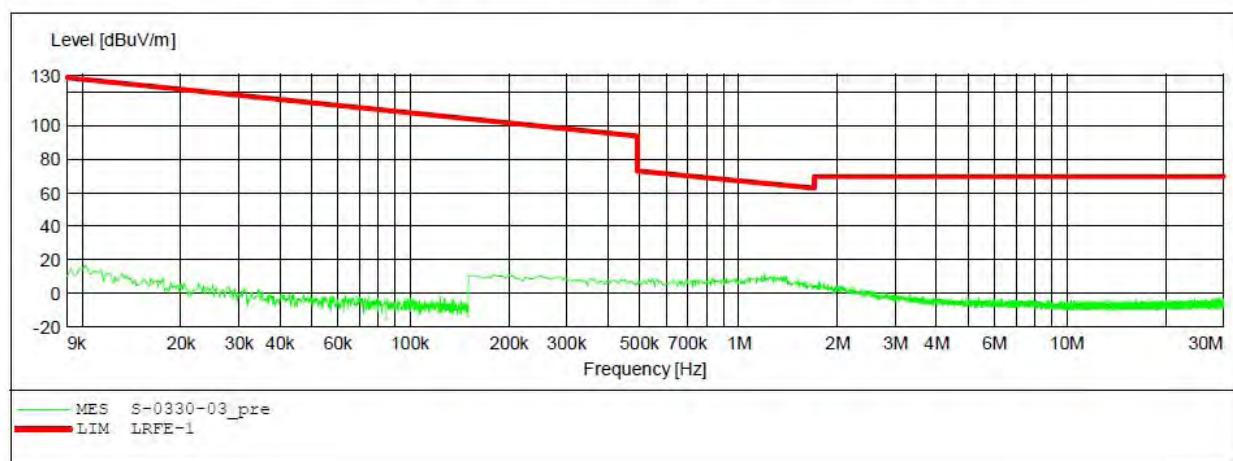


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2412MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: Z

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

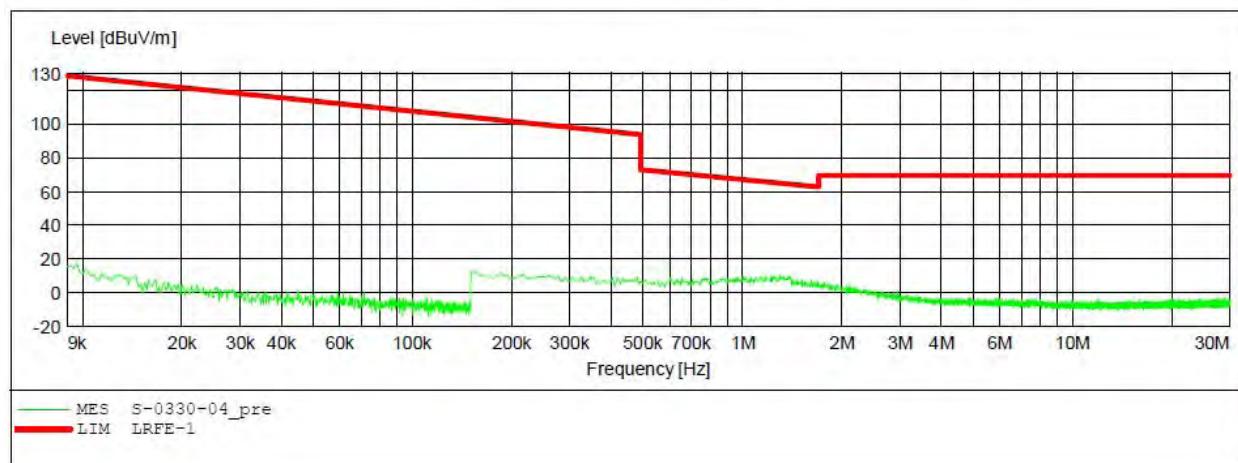


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2437MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: X

SCAN TABLE: "LFRE Fin"

Short Description:		SUB_STD_VTERM2 1.70				
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

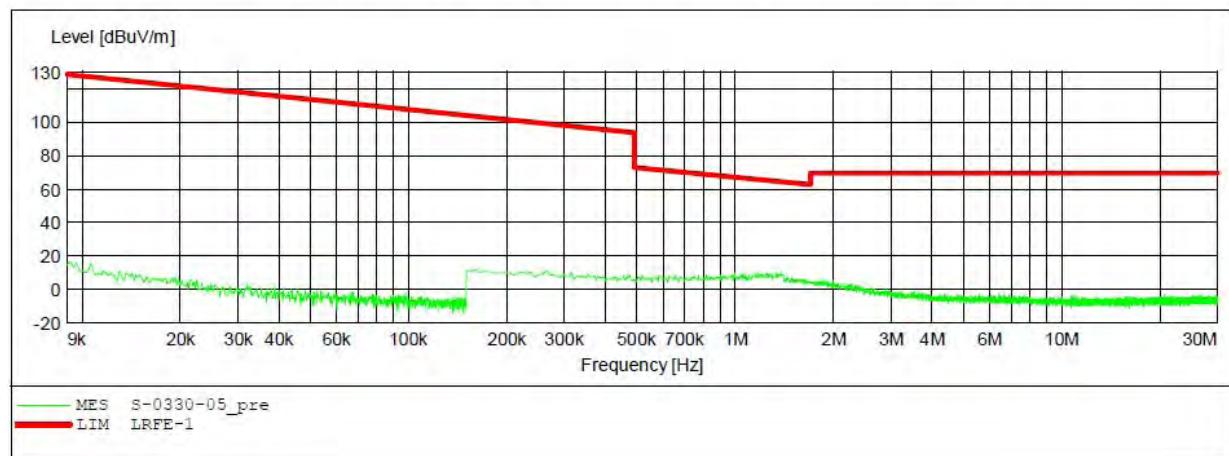


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2437MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: Y

SCAN TABLE: "LFRE Fin"

Short Description:		SUB_STD_VTERM2 1.70				
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

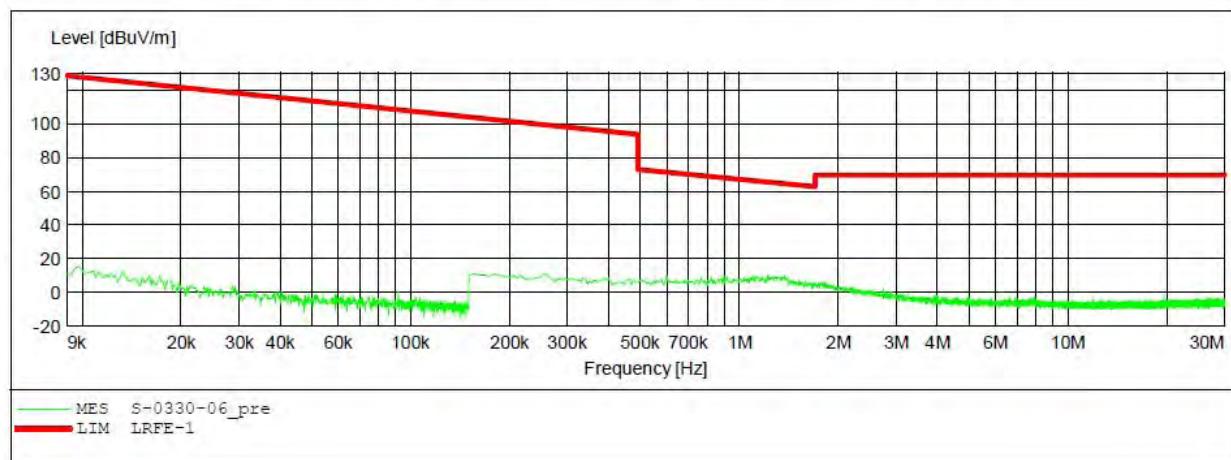


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2437MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: Z

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

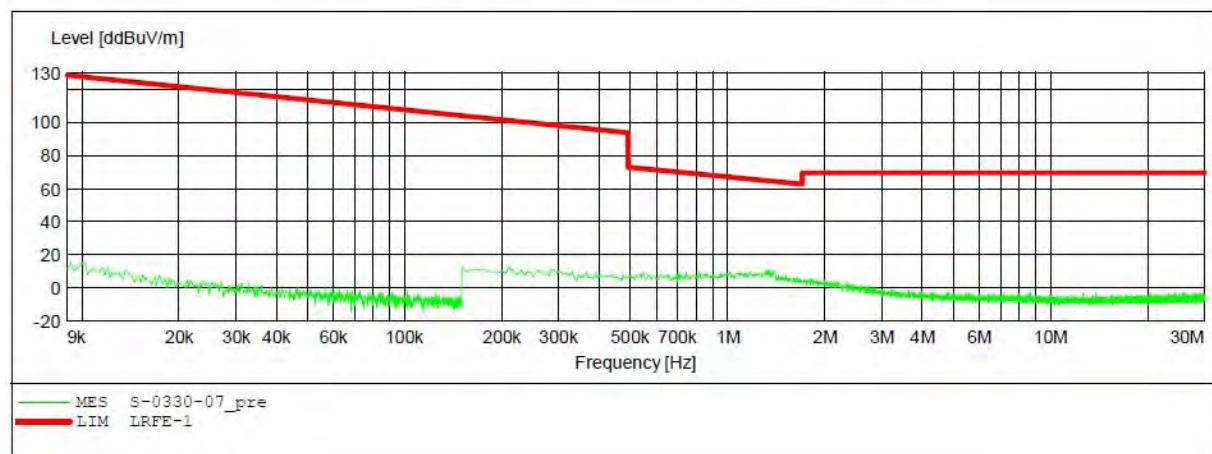


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2462MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: X

SCAN TABLE: "LFRE Fin"

Short Description:		SUB STD VTERM2 1.70		Detector	Meas.	IF	Transducer
Start	Stop	Step	Width				
Frequency	Frequency				Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	

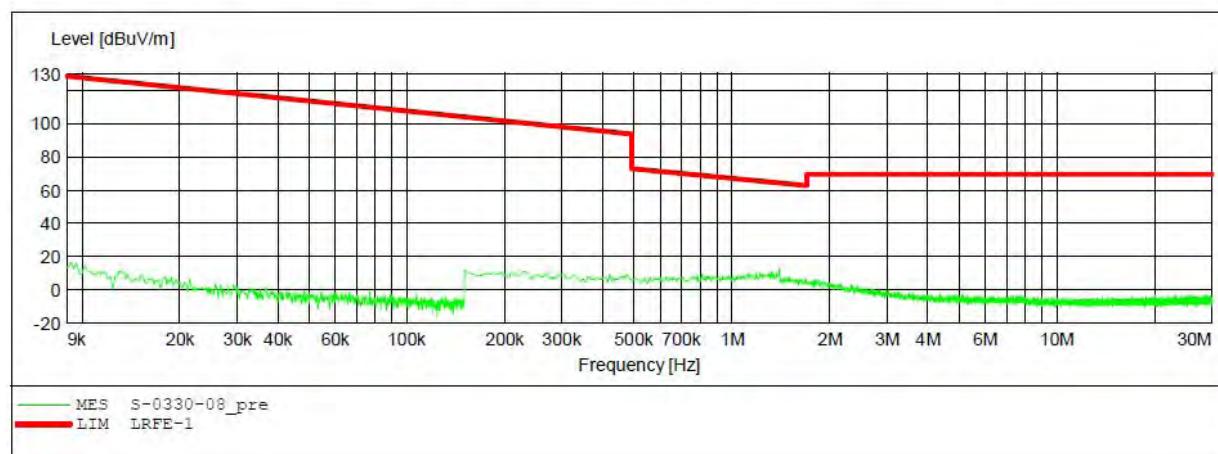


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2462MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: Y

SCAN TABLE: "LFRE Fin"

Short Description:		SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas.	IF
Frequency	Frequency	Width		Time	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz 1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz 1516M

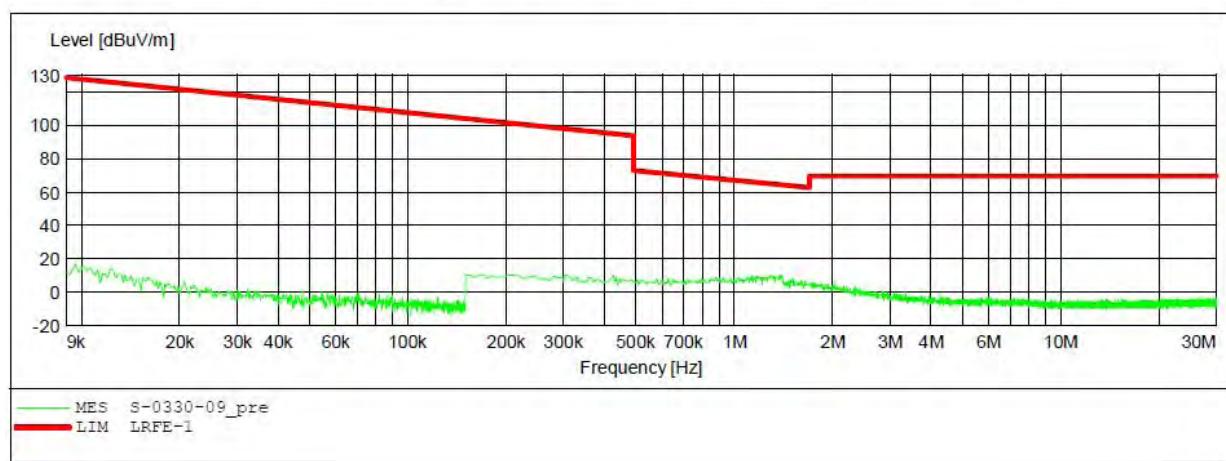


ACCURATE TECHNOLOGY CO., LTD**FCC Class B 3m Radiated**

EUT: Smart Light M/N:S7RN5S
Manufacturer:
Operating Condition: TX 2462MHz 22(802.11b)
Test Site: 2# Chamber
Operator: WADE
Test Specification: AC 120V/60Hz
Comment: Z

SCAN TABLE: "LFRE Fin"

Short Description:	Start	Stop	Step	Detector	Meas.	IF	Transducer
				SUB STD	VTERM2 1.70		
Frequency	Frequency	Width			Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz		QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz		QuasiPeak	1.0 s	9 kHz	1516M



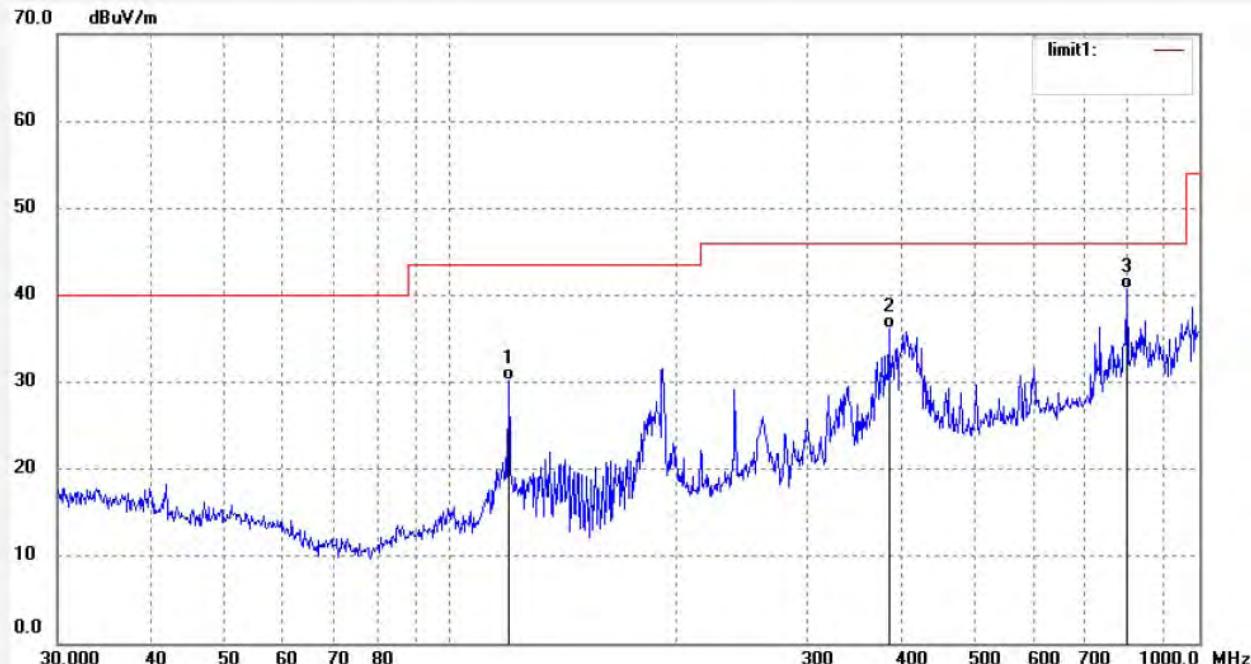


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	TUV2018 #2034	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	19/03/29/
Temp. (C)/Hum. (%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2412MHz 22	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11b		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	43.17	-13.06	30.11	43.50	-13.39	QP			
2	385.2805	43.10	-6.91	36.19	46.00	-9.81	QP			
3	801.7862	39.77	0.87	40.64	46.00	-5.36	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: TUV2018 #2035

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 19/03/29/

Temp. (C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

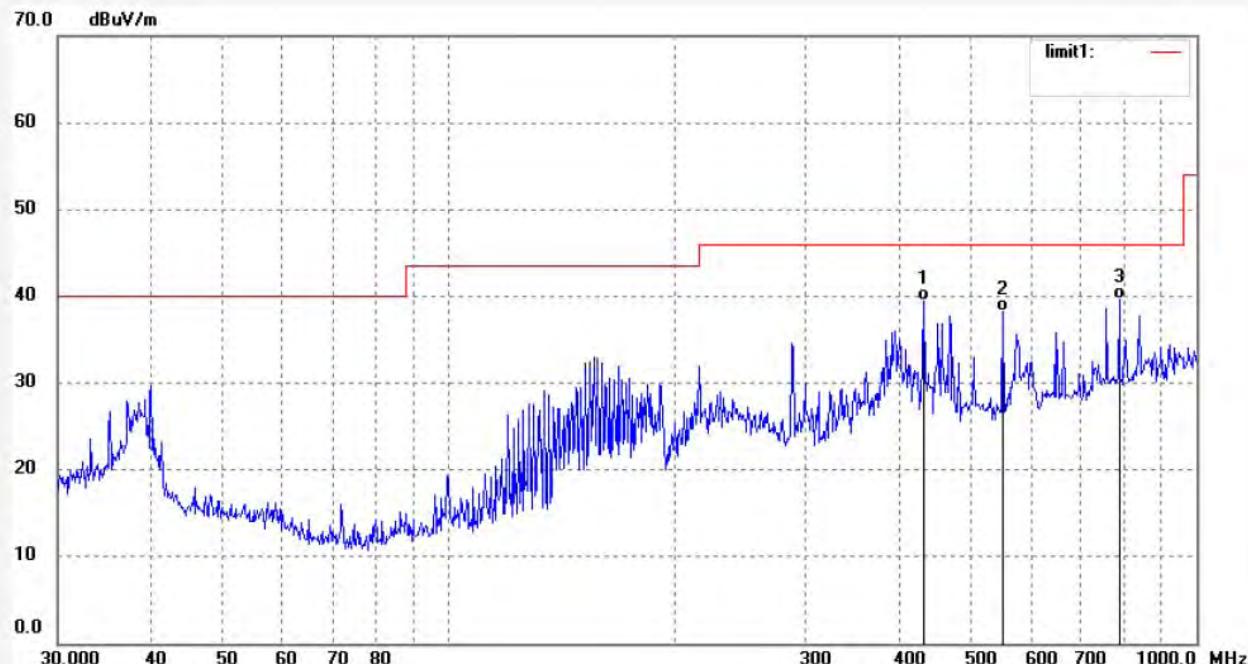
Mode: TX 2412MHz 22

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	431.0316	45.07	-5.60	39.47	46.00	-6.53	QP			
2	550.9479	41.35	-3.05	38.30	46.00	-7.70	QP			
3	787.8513	39.01	0.55	39.56	46.00	-6.44	QP			



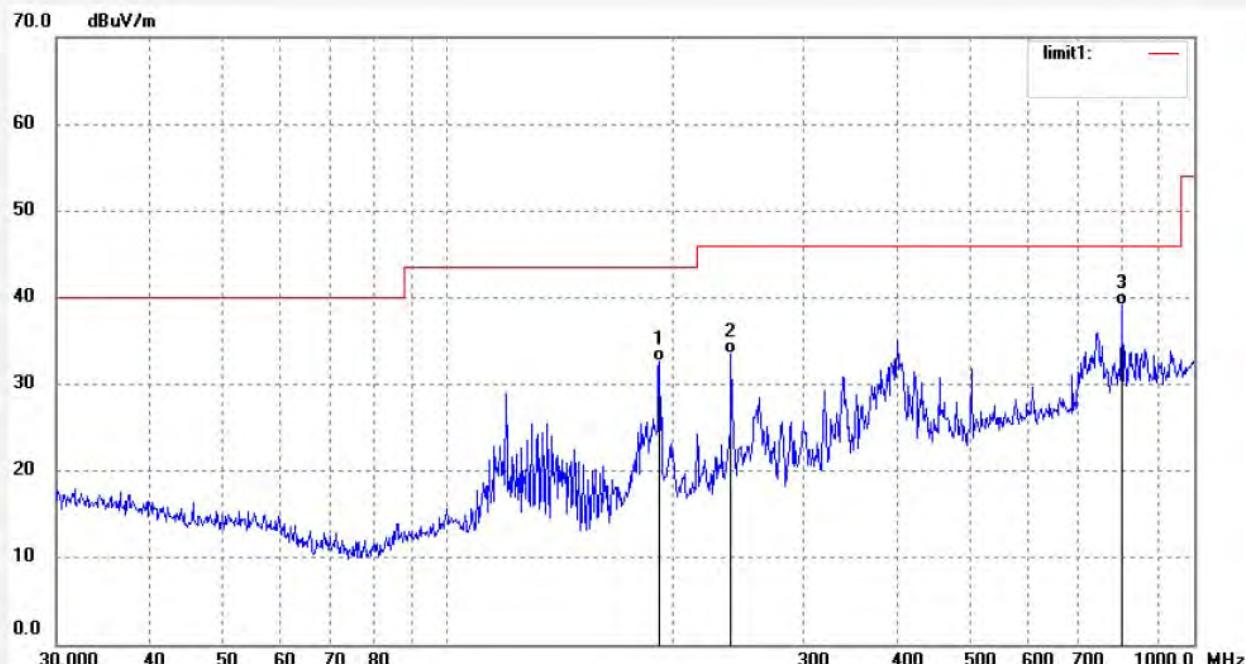
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: TUV2018 #2037
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Smart Light
Mode: TX 2437MHz 22
Model: S7RN5S
Manufacturer:
Note: 802.11b

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 19/03/29/
Time:
Engineer Signature: WADE
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	192.4185	45.05	-12.39	32.66	43.50	-10.84	QP			
2	239.9874	44.12	-10.62	33.50	46.00	-12.50	QP			
3	801.7862	38.18	0.87	39.05	46.00	-6.95	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: TUV2018 #2036

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 19/03/29/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

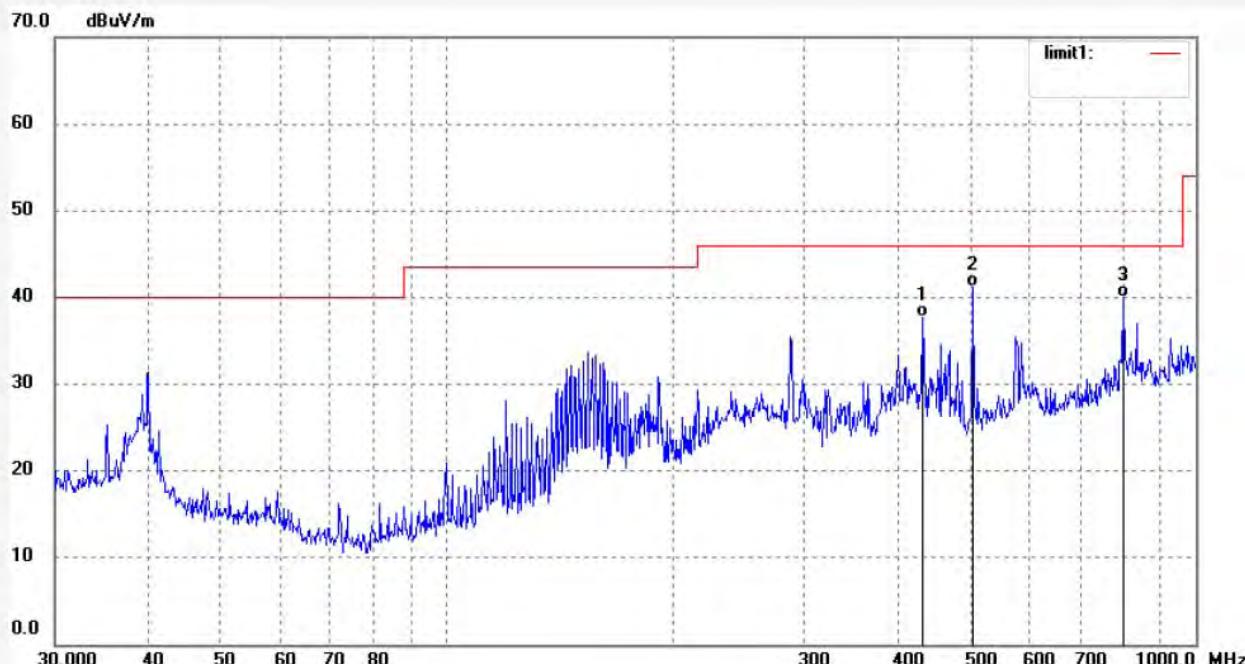
Mode: TX 2437MHz 22

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	432.5457	43.30	-5.58	37.72	46.00	-8.28	QP			
2	502.9395	45.43	-4.27	41.16	46.00	-4.84	QP			
3	798.9796	39.21	0.81	40.02	46.00	-5.98	QP			

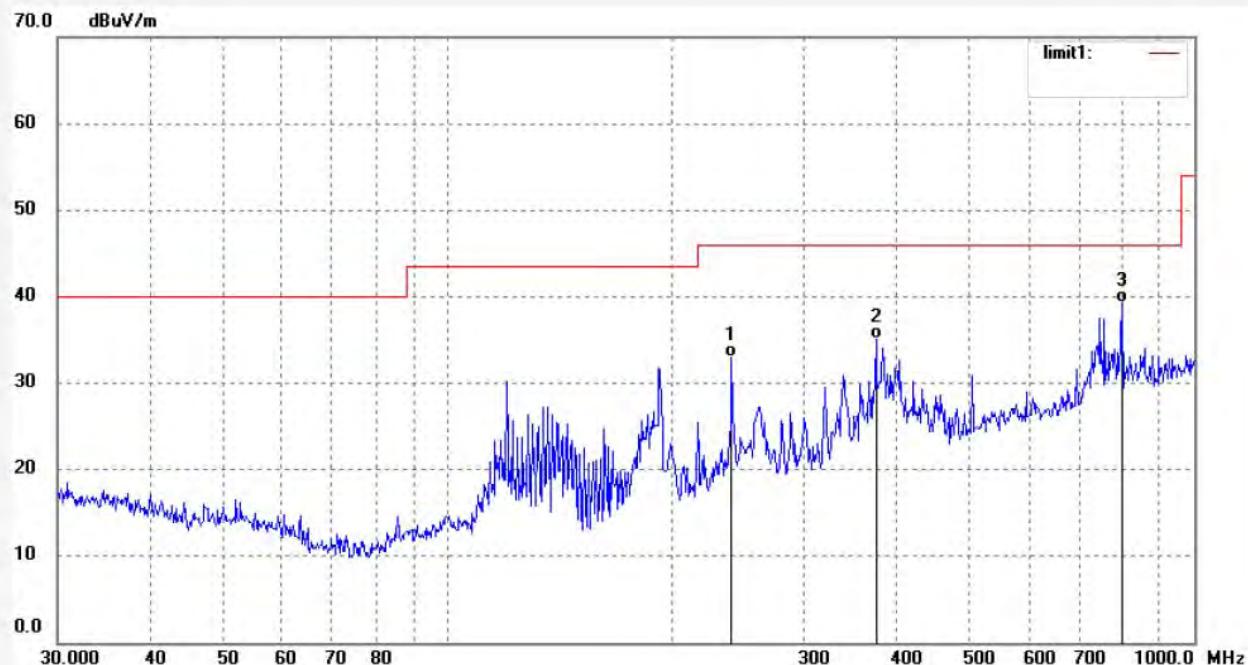


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	TUV2018 #2038	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	19/03/29/
Temp. (C)/Hum. (%)	23 C / 48 %	Time:	
EUT:	Smart Light	Engineer Signature:	WADE
Mode:	TX 2462MHz 22	Distance:	3m
Model:	S7RN5S		
Manufacturer:			
Note:	802.11b		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	43.60	-10.62	32.98	46.00	-13.02	QP			
2	374.6225	42.16	-7.08	35.08	46.00	-10.92	QP			
3	798.9796	38.49	0.81	39.30	46.00	-6.70	QP			



ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: TUV2018 #2039

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 19/03/29/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Smart Light

Engineer Signature: WADE

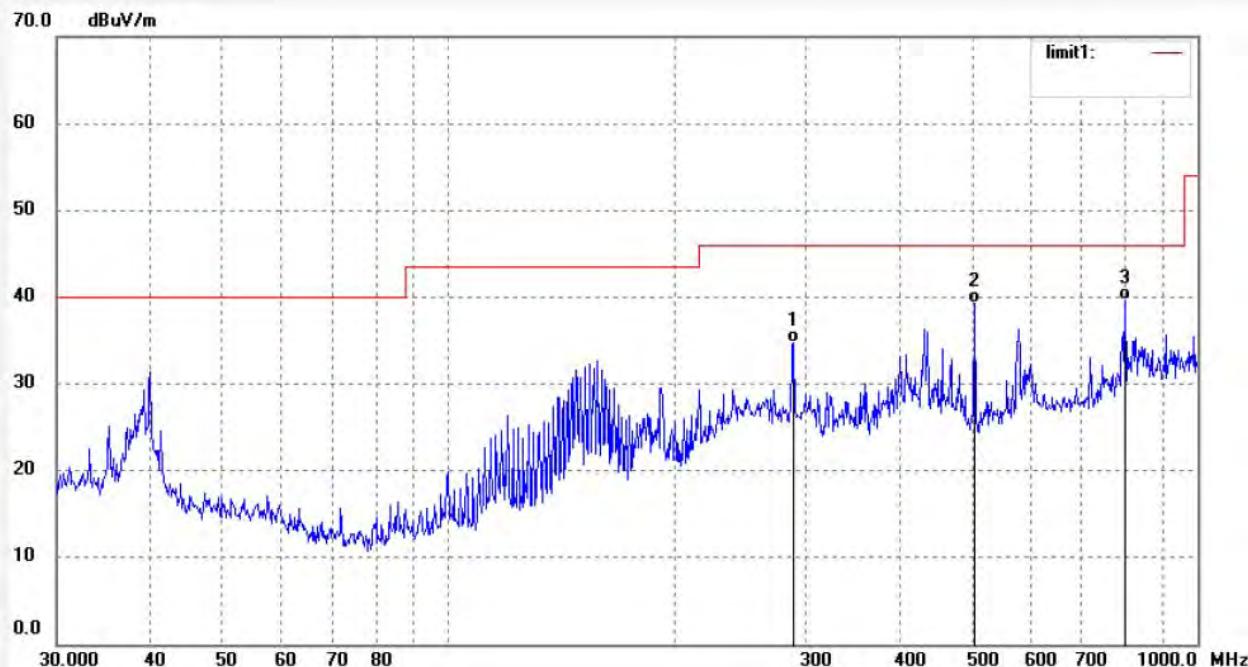
Mode: TX 2462MHz 22

Distance: 3m

Model: S7RN5S

Manufacturer:

Note: 802.11b



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	289.0020	44.04	-9.34	34.70	46.00	-11.30	QP			
2	504.7062	43.40	-4.19	39.21	46.00	-6.79	QP			
3	801.7862	38.75	0.87	39.62	46.00	-6.38	QP			