

TEST REPORT

Product Name : Smart Blind Controller
Brand Mark : Globe
Model No. : 50348
Report Number : BLA-EMC-202103-A11003
Date of Sample Receipt : 2021/3/25
Date of Test : 2021/4/22 to 2021/4/25
Date of Issue : 2021/4/25
FCC ID : 2AQUQGE50348
Test Standard : 47 CFR Part 15, Subpart C 15.247
Test Result : Pass

Prepared for:

Globe Electric Company Inc

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Prepared by:

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Date:

2021/4/25



REPORT REVISE RECORD

Version No.	Date	Description
00	2021/4/25	Original

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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(1) & 15.247(b)(3)	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass

2 GENERAL INFORMATION

Applicant	Globe Electric Company Inc
Address	150, Oneida, Montreal, Quebec, Canada, H9R 1A8
Manufacturer	Globe Electric Company Inc.
Address	150, Oneida, Montreal, Quebec, Canada, H9R 1A8
Factory	Globe Electric Company Inc.
Address	150, Oneida, Montreal, Quebec, Canada, H9R 1A8
Product Name	Smart Blind Controller
Test Model No.	50348

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	V1.0
Software Version	V1.0
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	5MHz
Number of Channels:	802.11b/g/n(HT20):11 802.11n(HT40):7
Antenna Type:	PCB Antenna
Antenna Gain:	2.5dBi(Provided by customer)

4 TEST ENVIRONMENT

Environment	Temperature	Voltage
Normal	+25°C	AC120V 60Hz

5 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
TX	Keep the EUT in transmitting mode with modulation
charge+TX	Keep the EUT in transmitting mode and being charged
Remark: Only the data of the worst mode would be recorded in this report. (Dutycycle>98%)	

6 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)
Radiated Emission(9kHz-30MHz)	±4.34dB
Radiated Emission(30Mz-1000MHz)	±4.24dB
Radiated Emission(1GHz-18GHz)	±4.68dB
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB

Parameter	Expanded Uncertainty (Confidence of 95%)
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3.0 dB
Unwanted Emissions, conducted	±3.0 dB
Temperature	±3 °C
Supply voltages	±3 %
Time	±5 %
Radiated Emission (30MHz ~ 1000MHz)	±4.35 dB
Radiated Emission (1GHz ~ 18GHz)	±4.44 dB

7 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
--	--	--	--	--

Note:

--" means no any support device during testing.

8 LABORATORY LOCATION

All tests were performed at:
BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Building C, No. 107, Shihuan Road, Shiyao Sub-District, Baoan District, Shenzhen, Guangdong Province,
China
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
No tests were sub-contracted.

9 TEST INSTRUMENTS LIST

Test Equipment Of Conducted Peak Output Power					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	2020/11/25	2023/11/24
Receiver	R&S	ESPI3	101082	2020/10/12	2021/10/11
LISN	R&S	ENV216	3560.6550.15	2020/10/12	2021/10/11
LISN	安泰信	AT166-2	AKK1806000003	2020/10/12	2021/10/11
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A

Test Equipment Of Power Spectrum Density					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Radiated Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	2020/11/10	2023/11/9
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Receiver	R&S	ESR7	101199	2020/10/12	2021/10/11
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2020/9/26	2022/9/25
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	2020/9/26	2022/9/25
Amplifier	SKET	PA-000318G-45	N/A	2020/10/16	2021/10/15
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2020/9/26	2022/9/25
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

Test Equipment Of Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	2020/11/10	2023/11/9
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Receiver	R&S	ESR7	101199	2020/10/12	2021/10/11
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2020/9/26	2022/9/25
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	2020/9/26	2022/9/25

Amplifier	SKET	PA-000318G-45	N/A	2020/10/16	2021/10/15
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2020/9/26	2022/9/25
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

Test Equipment Of Conducted Spurious Emissions

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Conducted Band Edges Measurement

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

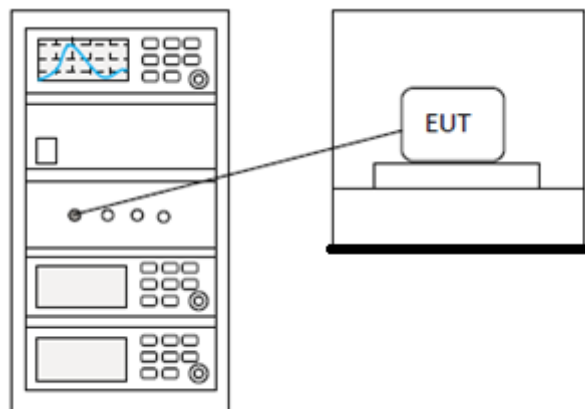
CONDUCTED PEAK OUTPUT POWER

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq \text{hopping channels} < 50$
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

BLOCK DIAGRAM OF TEST SETUP



TEST DATA**Pass: Please Refer To Appendix: Appendix1 For Details**

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CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

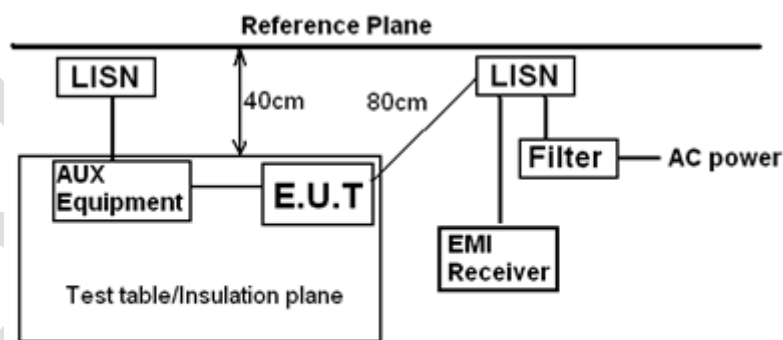
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.2
Test Mode (Pre-Scan)	Charge +TX mode
Test Mode (Final Test)	Charge +TX mode
Tester	Jozu
Temperature	25℃
Humidity	60%

LIMITS

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

BLOCK DIAGRAM OF TEST SETUP



Remark
E.U.T: Equipment Under Test
LISN: Line Impedance Stabilization Network
Test table height=0.8m

PROCEDURE

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

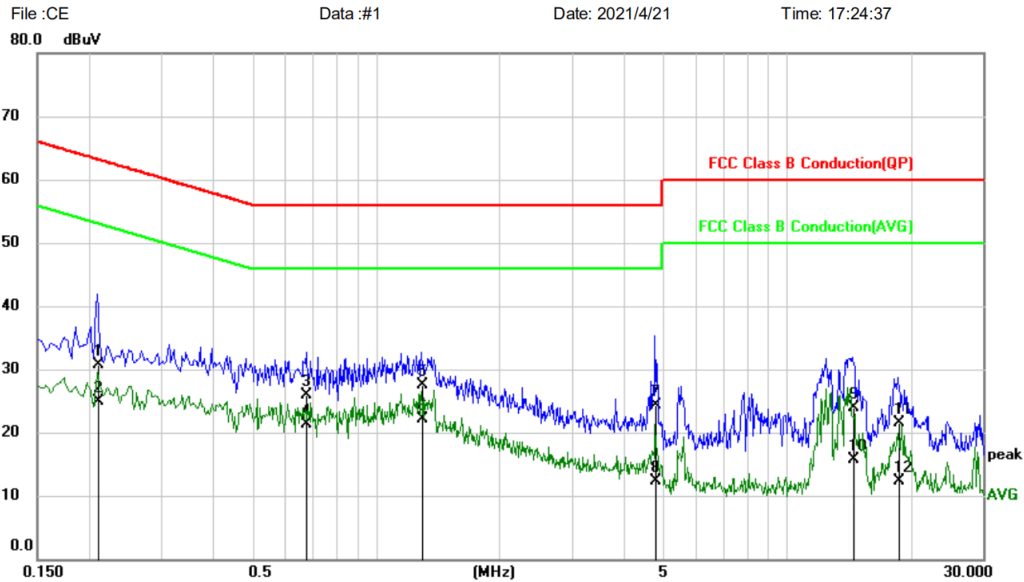
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: $LISN = Read\ Level + Cable\ Loss + LISN\ Factor$

TEST DATA

[Line: Nutral]

Conducted Emission Measurement



Site: Phase: **N** Temperature:
Limit: FCC Class B Conduction(QP) Power: AC120V 60Hz Humidity: %
EUT: Smart Blind Controller
M/N: 50348
Mode: Wifi mode
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2100	21.01	9.75	30.76	63.21	-32.45	QP	
2		0.2100	15.17	9.75	24.92	53.21	-28.29	AVG	
3		0.6780	16.09	9.82	25.91	56.00	-30.09	QP	
4		0.6780	11.43	9.82	21.25	46.00	-24.75	AVG	
5		1.2940	17.71	9.85	27.56	56.00	-28.44	QP	
6	*	1.2940	12.32	9.85	22.17	46.00	-23.83	AVG	
7		4.7740	14.29	9.94	24.23	56.00	-31.77	QP	
8		4.7740	2.40	9.94	12.34	46.00	-33.66	AVG	
9		14.4460	13.71	10.29	24.00	60.00	-36.00	QP	
10		14.4460	5.50	10.29	15.79	50.00	-34.21	AVG	
11		18.7060	11.14	10.40	21.54	60.00	-38.46	QP	
12		18.7060	1.91	10.40	12.31	50.00	-37.69	AVG	

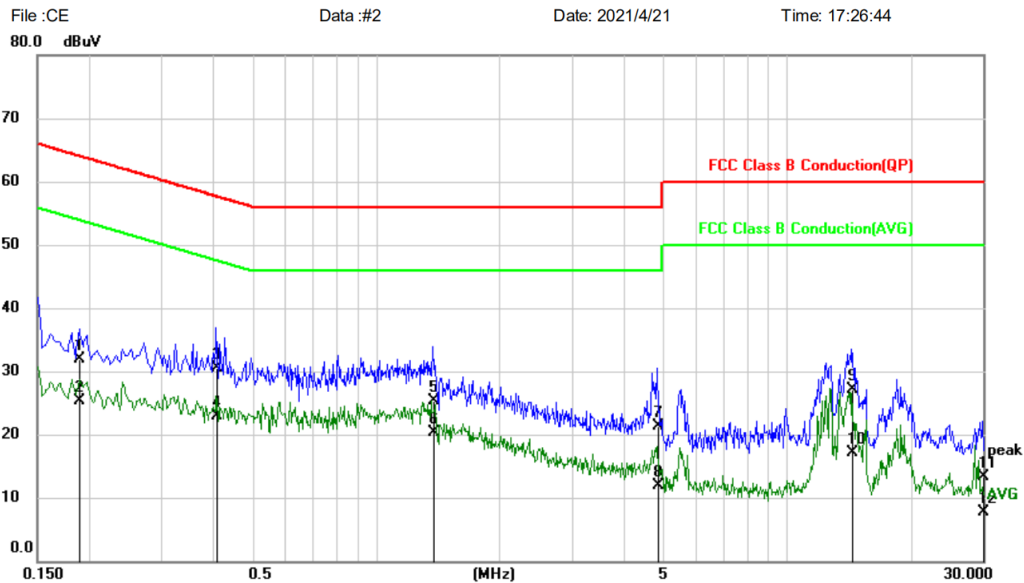
*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Line: Line]

Conducted Emission Measurement



Site: Limit: FCC Class B Conduction(QP) EUT: Smart Blind Controller M/N: 50348 Mode: Wifi mode Note:

Phase: **L1** Power: AC120V 60Hz Temperature: Humidity: %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1900	22.17	9.83	32.00	64.04	-32.04	QP	
2		0.1900	15.40	9.83	25.23	54.04	-28.81	AVG	
3		0.4100	20.75	9.85	30.60	57.65	-27.05	QP	
4	*	0.4100	12.99	9.85	22.84	47.65	-24.81	AVG	
5		1.3779	15.37	9.93	25.30	56.00	-30.70	QP	
6		1.3779	10.29	9.93	20.22	46.00	-25.78	AVG	
7		4.8340	11.34	10.02	21.36	56.00	-34.64	QP	
8		4.8340	1.79	10.02	11.81	46.00	-34.19	AVG	
9		14.3820	16.82	10.33	27.15	60.00	-32.85	QP	
10		14.3820	6.83	10.33	17.16	50.00	-32.84	AVG	
11		29.9180	2.76	10.50	13.26	60.00	-46.74	QP	
12		29.9180	-2.74	10.50	7.76	50.00	-42.24	AVG	

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

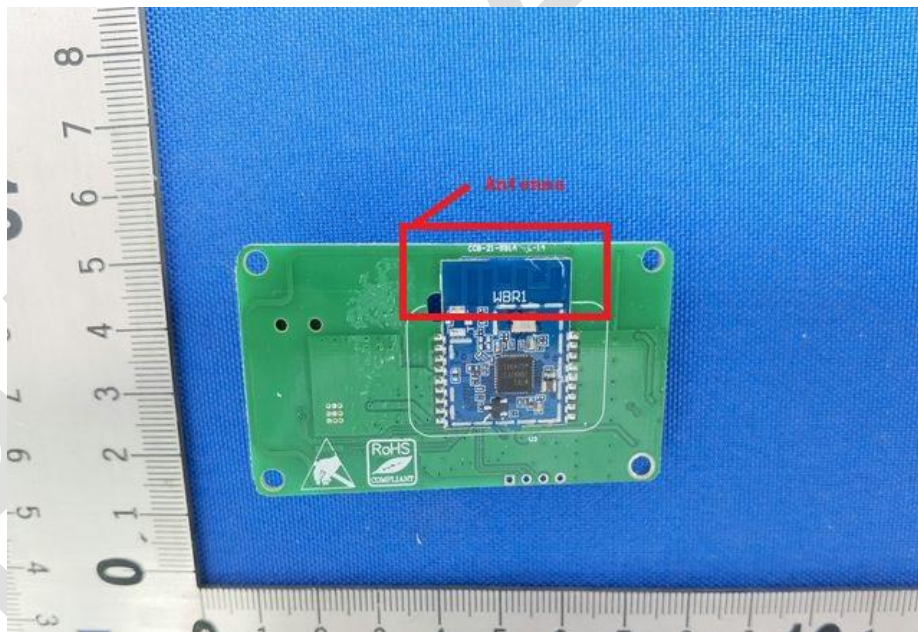
CONCLUSION

Standard 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 an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.5dBi.



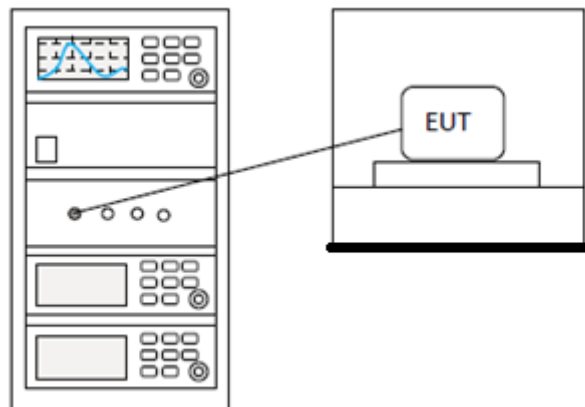
POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.10.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

LIMITS

Limit:	$\leq 8\text{dBm}$ in any 3 kHz band during any time interval of continuous transmission
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BLOCK DIAGRAM OF TEST SETUP



TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

RADIATED SPURIOUS EMISSIONS

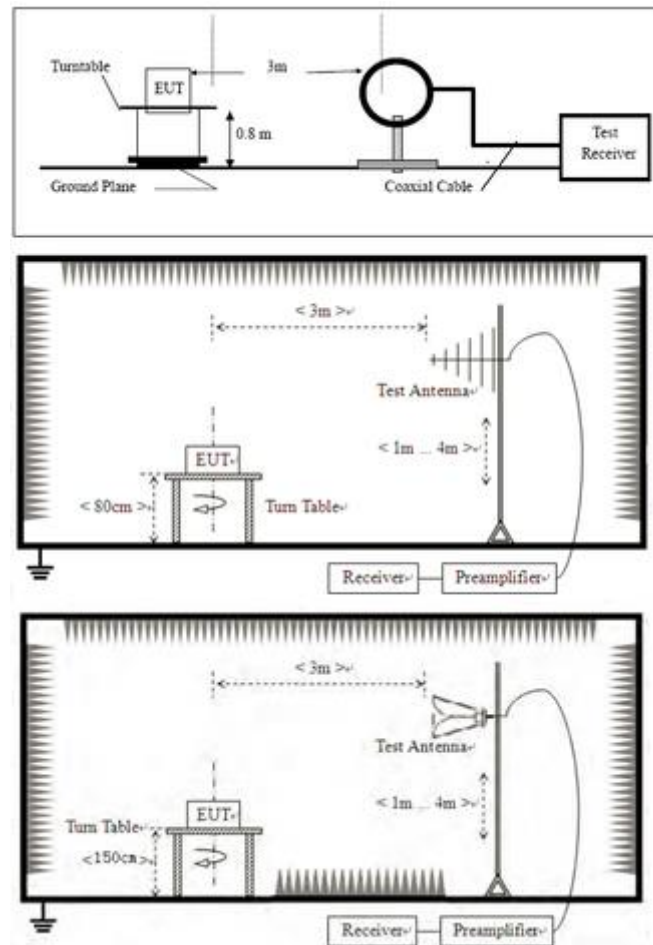
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX Low channel;TX middle channel;TX high channel;TX
Test Mode (Final Test)	TX Low channel;TX middle channel;TX high channel;TX
Tester	Jozu
Temperature	25℃
Humidity	60%

LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

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

BLOCK DIAGRAM OF TEST SETUP



PROCEDURE

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

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

TEST DATA

[Polarity: Vertical]

Radiated Emission Measurement

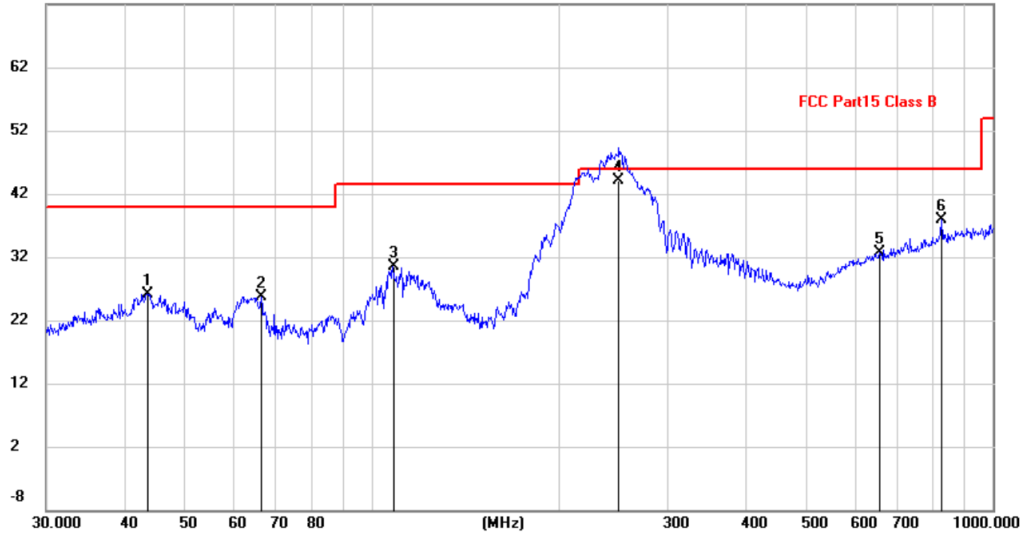
File :RE-L-TX

Data :#3

Date: 2021/4/2 星期

Time: 下午 5:30:17

72.0 dBuV/m



Site

Limit: FCC Part15 Class B

EUT: Smart Blind Controller

M/N: 50348

Mode: WIFI mode

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		43.6584	2.18	23.94	26.12	40.00	-13.88	QP		
2		66.4989	3.63	22.08	25.71	40.00	-14.29	QP		
3		108.2667	9.15	21.32	30.47	43.50	-13.03	QP		
4	*	250.3009	21.36	22.84	44.20	46.00	-1.80	QP		
5		656.5300	0.48	32.16	32.64	46.00	-13.36	QP		
6		827.4932	3.12	34.83	37.95	46.00	-8.05	QP		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Horizontal]

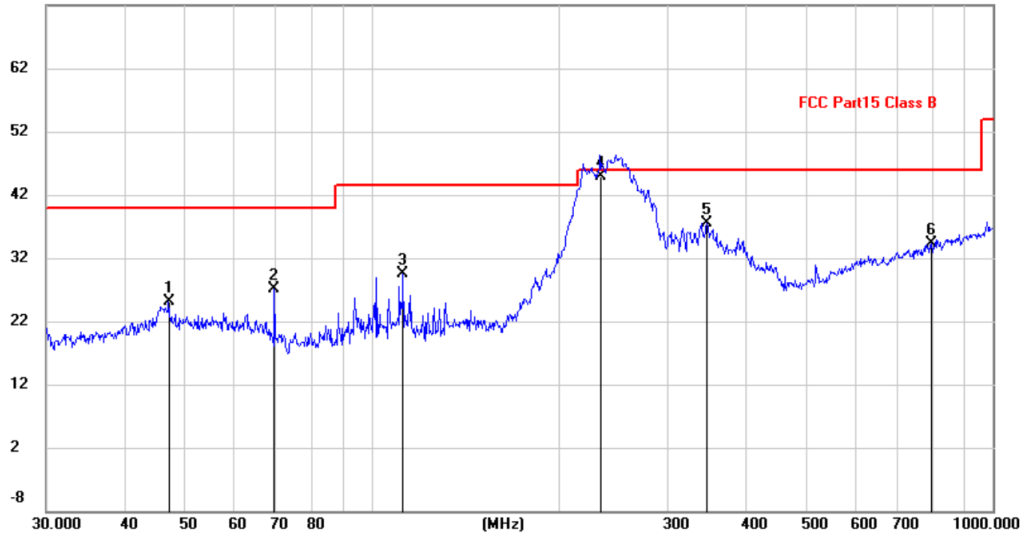
Radiated Emission Measurement

File :RE-L-TX
72.0 dBuV/m

Data :#4

Date: 2021/4/2 星期

Time: 下午 5:28:12



Site

Limit: FCC Part15 Class B

EUT: Smart Blind Controller

M/N: 50348

Mode: WIFI mode

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		47.1600	1.16	23.86	25.02	40.00	-14.98	QP		
2		69.8448	5.82	21.36	27.18	40.00	-12.82	QP		
3		112.5242	7.82	21.77	29.59	43.50	-13.91	QP		
4	*	233.3487	22.42	22.55	44.97	46.00	-1.03	QP		
5		346.8091	11.80	25.79	37.59	46.00	-8.41	QP		
6		796.1829	-0.34	34.58	34.24	46.00	-11.76	QP		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

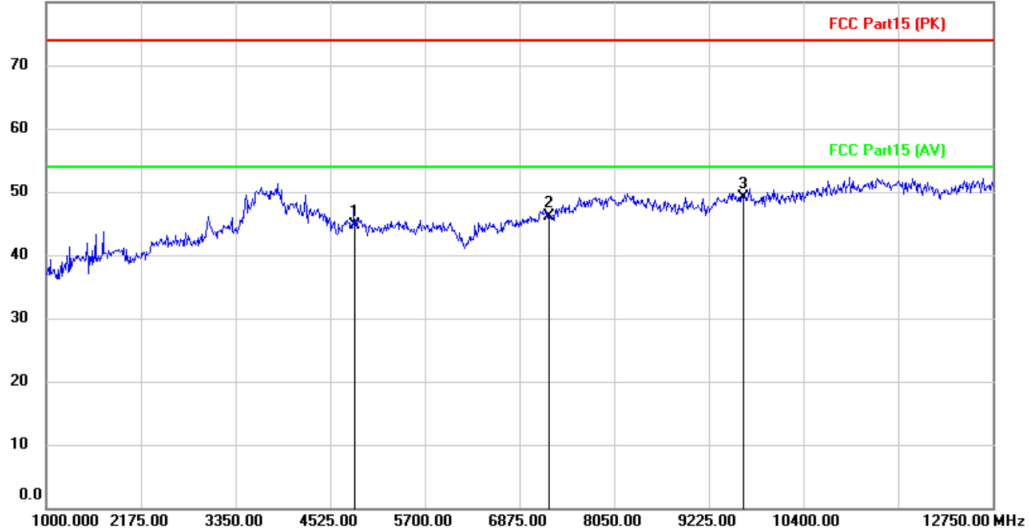
File :RE

Data :#25

Date: 2021/4/16 星期

Time: 下午 4:14:30

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-B-L

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4824.000	41.15	3.62	44.77	74.00	-29.23	peak		
2		7236.000	40.07	6.07	46.14	74.00	-27.86	peak		
3	*	9648.000	39.70	9.37	49.07	74.00	-24.93	peak		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

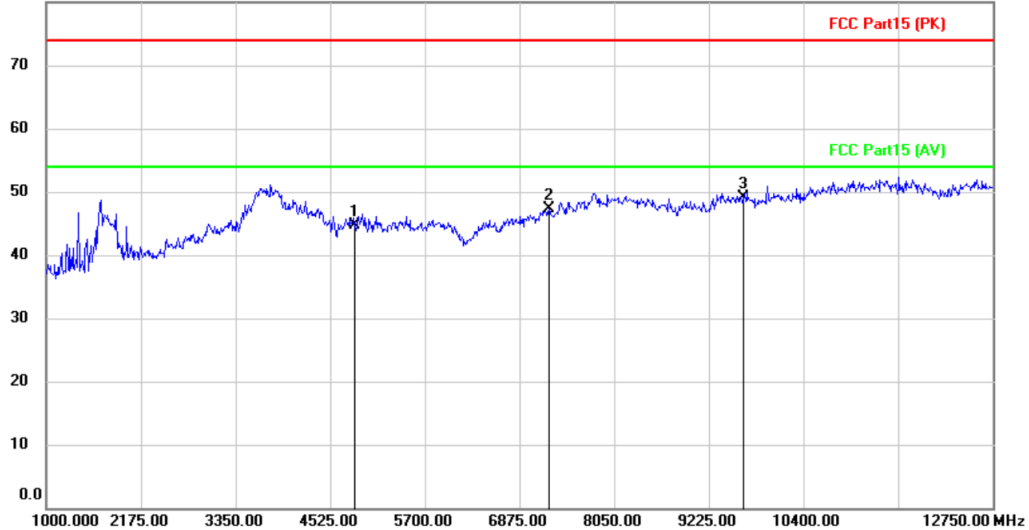
File :RE

Data :#26

Date: 2021/4/16 星期

Time: 下午 4:17:45

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-B-L

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4824.000	41.03	3.62	44.65	74.00	-29.35	peak		
2		7236.000	41.17	6.07	47.24	74.00	-26.76	peak		
3	*	9648.000	39.72	9.37	49.09	74.00	-24.91	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

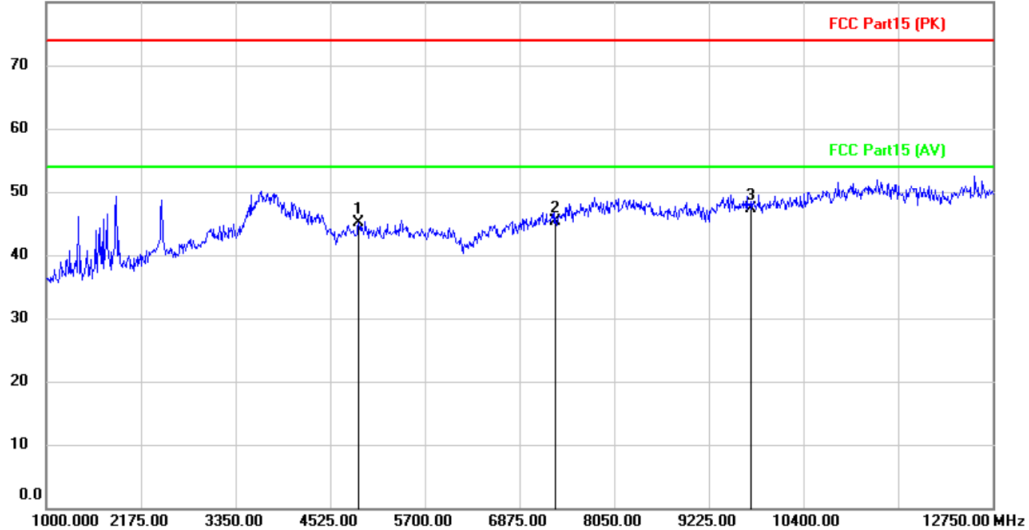
File :RE

Data :#27

Date: 2021/4/16 星期

Time: 下午 4:23:20

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-B-M

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4874.000	41.67	3.39	45.06	74.00	-28.94	peak		
2		7311.000	38.86	6.37	45.23	74.00	-28.77	peak		
3	*	9748.000	37.65	9.59	47.24	74.00	-26.76	peak		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

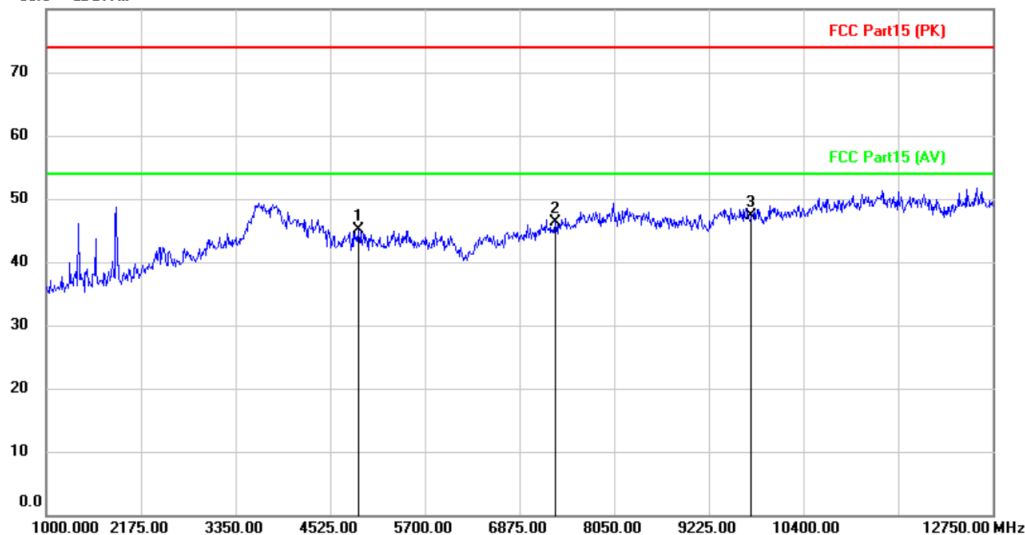
File :RE

Data :#28

Date: 2021/4/16 星期

Time: 下午 4:26:15

80.0 dBuV/m



Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Smart Blind Controller

Distance: 3m

M/N: 50348

Mode: TX-B-M

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4874.000	41.76	3.39	45.15	74.00	-28.85	peak		
2		7311.000	39.95	6.37	46.32	74.00	-27.68	peak		
3	*	9748.000	37.75	9.59	47.34	74.00	-26.66	peak		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

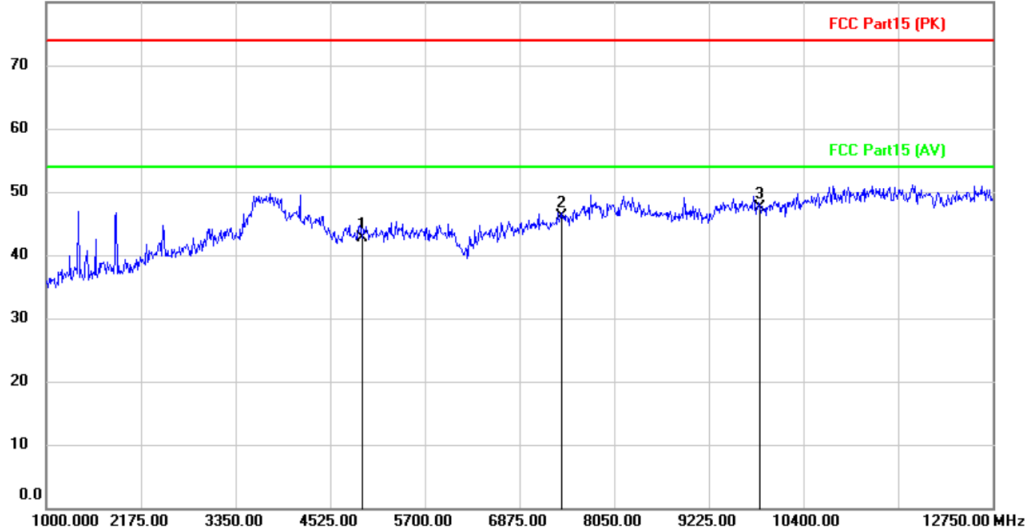
File :RE

Data :#29

Date: 2021/4/16 星期

Time: 下午 4:28:03

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-B-H

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4924.000	39.31	3.46	42.77	74.00	-31.23	peak		
2		7386.000	39.37	6.68	46.05	74.00	-27.95	peak		
3	*	9848.000	37.72	9.88	47.60	74.00	-26.40	peak		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

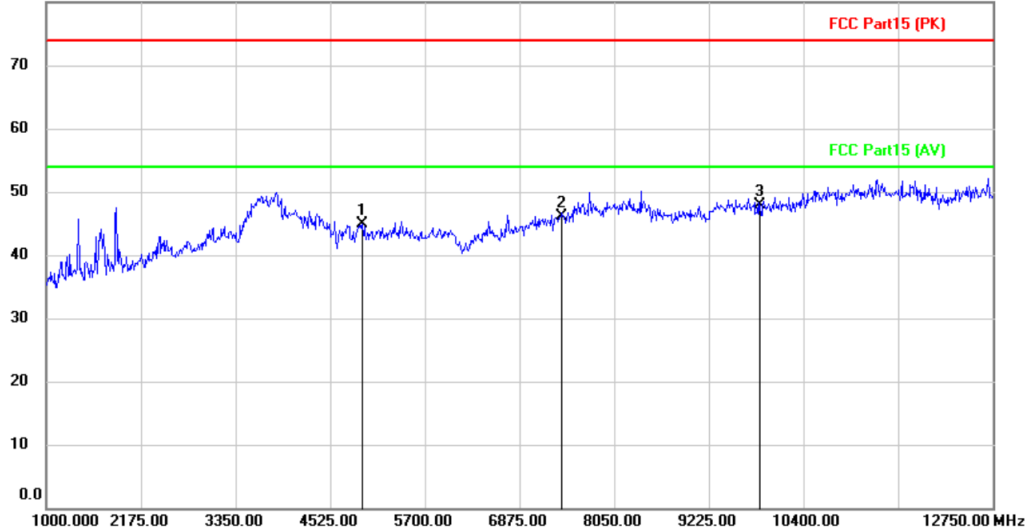
File :RE

Data :#30

Date: 2021/4/16 星期

Time: 下午 4:29:19

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-B-H

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4924.000	41.36	3.46	44.82	74.00	-29.18	peak		
2		7386.000	39.37	6.68	46.05	74.00	-27.95	peak		
3	*	9848.000	38.11	9.88	47.99	74.00	-26.01	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

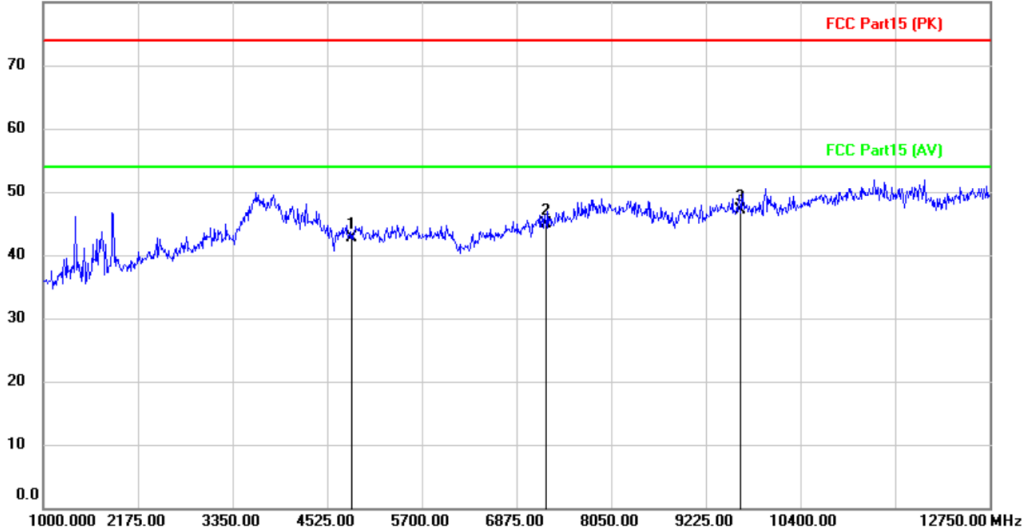
File :RE

Data :#31

Date: 2021/4/16 星期

Time: 下午 4:31:51

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-G-L

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4824.000	39.10	3.62	42.72	74.00	-31.28	peak		
2		7236.000	38.75	6.07	44.82	74.00	-29.18	peak		
3	*	9648.000	37.80	9.37	47.17	74.00	-26.83	peak		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

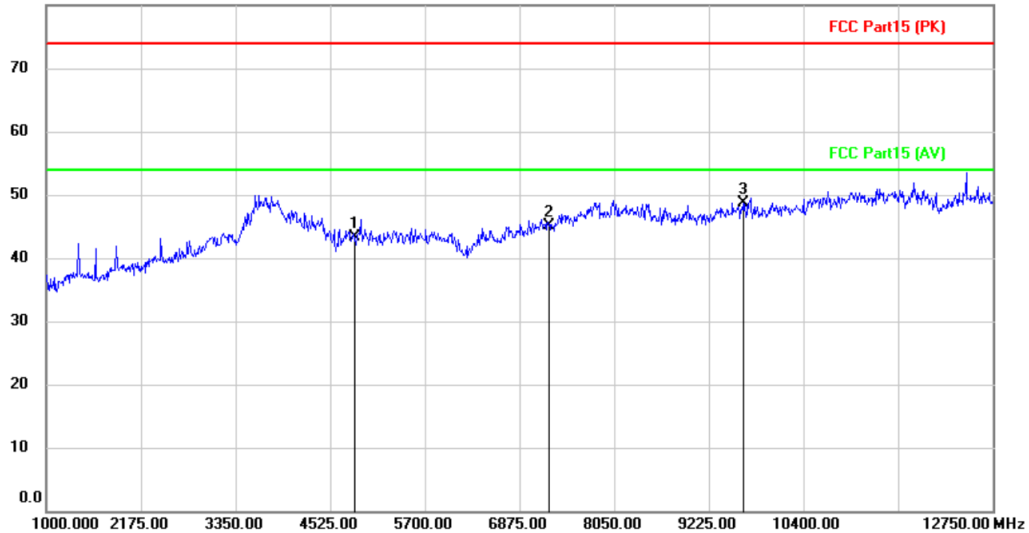
File :RE

Data :#32

Date: 2021/4/16 星期

Time: 下午 4:32:33

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-G-L

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4824.000	39.72	3.62	43.34	74.00	-30.66	peak		
2		7236.000	38.99	6.07	45.06	74.00	-28.94	peak		
3	*	9648.000	39.34	9.37	48.71	74.00	-25.29	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

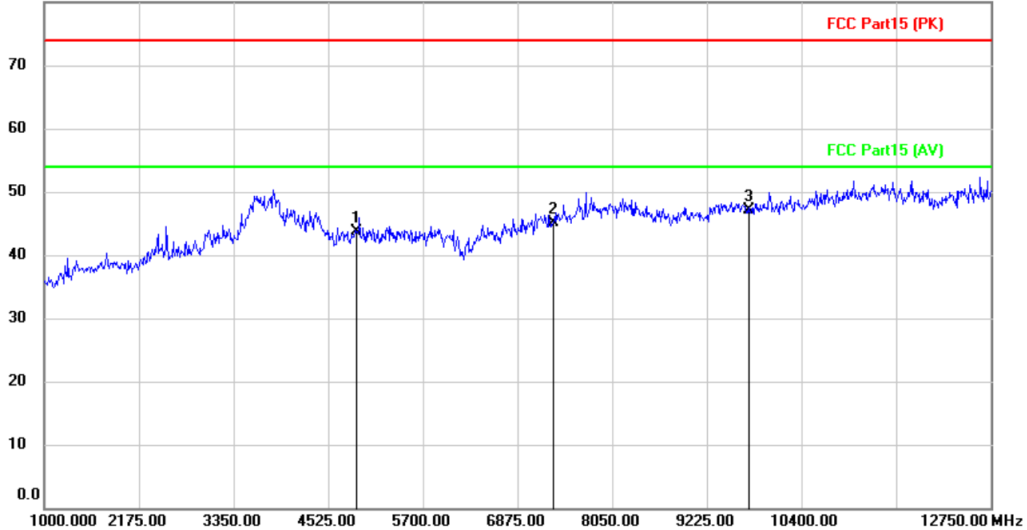
File :RE

Data :#33

Date: 2021/4/16 星期

Time: 下午 4:34:41

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-G-M

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4874.000	40.23	3.39	43.62	74.00	-30.38	peak		
2		7311.000	38.70	6.37	45.07	74.00	-28.93	peak		
3	*	9748.000	37.54	9.59	47.13	74.00	-26.87	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

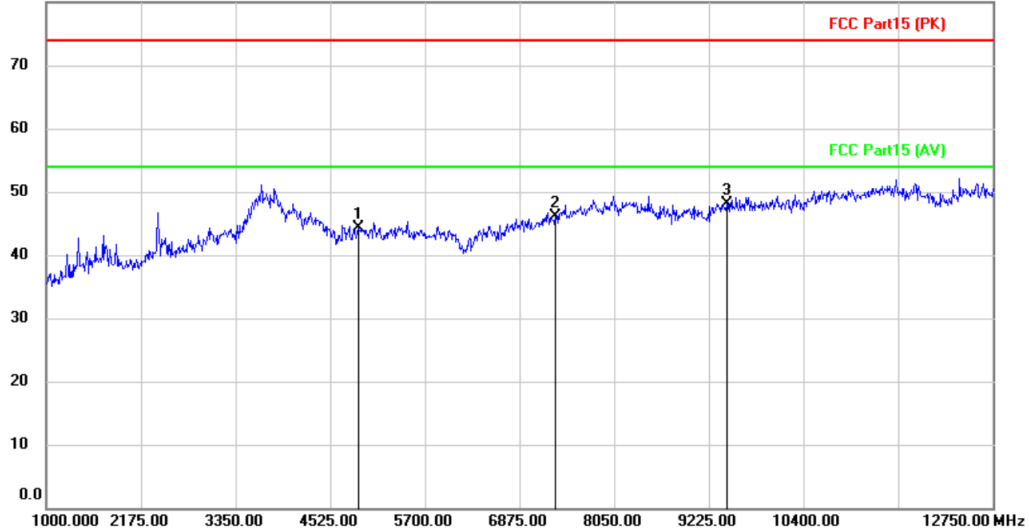
File :RE

Data :#34

Date: 2021/4/16 星期

Time: 下午 4:35:37

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-G-M

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4874.000	40.83	3.39	44.22	74.00	-29.78	peak		
2		7311.000	39.74	6.37	46.11	74.00	-27.89	peak		
3	*	9448.000	39.14	8.94	48.08	74.00	-25.92	peak		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

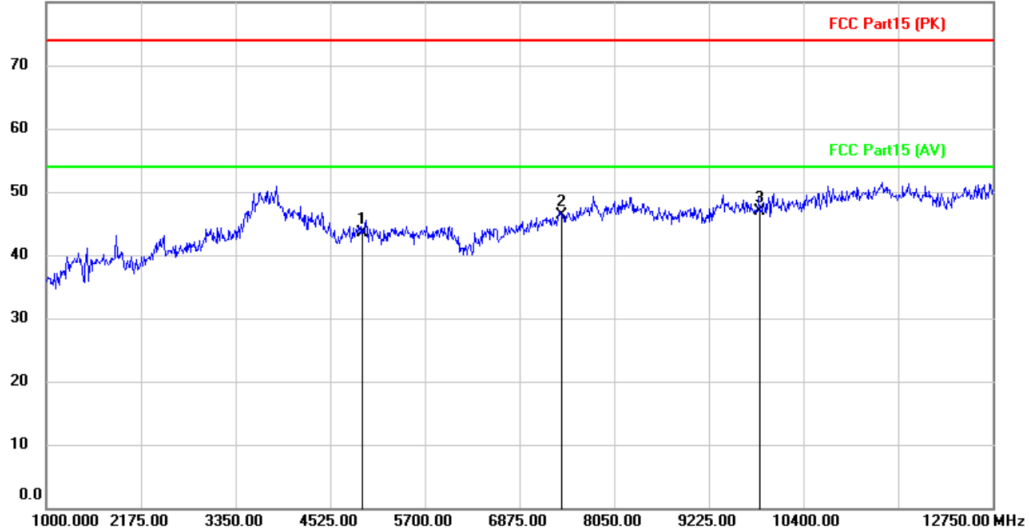
File :RE

Data :#35

Date: 2021/4/16 星期

Time: 下午 4:37:29

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-G-H

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4924.000	40.03	3.46	43.49	74.00	-30.51	peak		
2		7386.000	39.70	6.68	46.38	74.00	-27.62	peak		
3	*	9848.000	37.07	9.88	46.95	74.00	-27.05	peak		

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

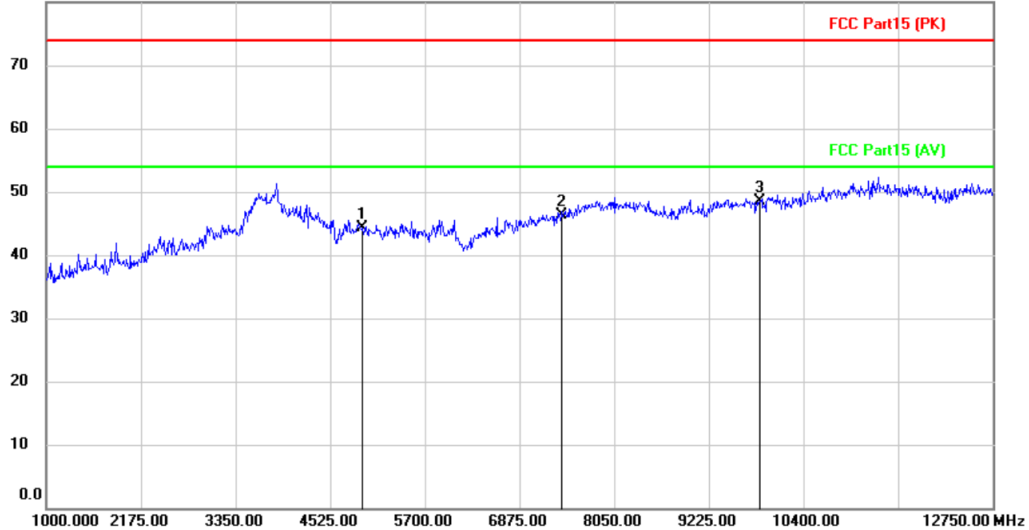
File :RE

Data :#36

Date: 2021/4/16 星期

Time: 下午 4:38:55

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-G-H

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4924.000	40.93	3.46	44.39	74.00	-29.61	peak		
2		7386.000	39.64	6.68	46.32	74.00	-27.68	peak		
3	*	9848.000	38.58	9.88	48.46	74.00	-25.54	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Horizontal]

Radiated Emission Measurement

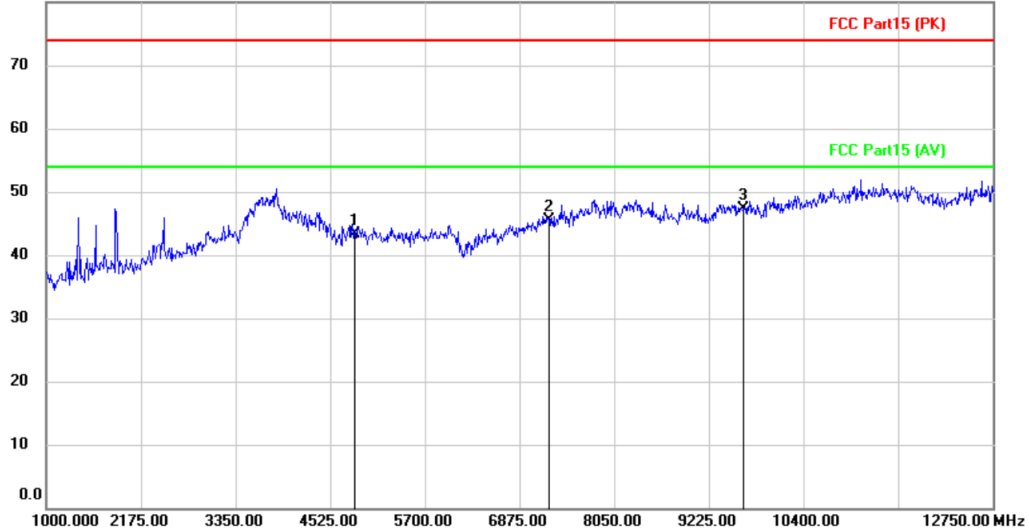
File :RE

Data :#37

Date: 2021/4/16 星期

Time: 下午 4:40:58

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-N20-L

Note:

Polarization: **Horizontal**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4824.000	39.64	3.62	43.26	74.00	-30.74	peak		
2		7236.000	39.34	6.07	45.41	74.00	-28.59	peak		
3	*	9648.000	37.97	9.37	47.34	74.00	-26.66	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[Polarity: Vertical]

Radiated Emission Measurement

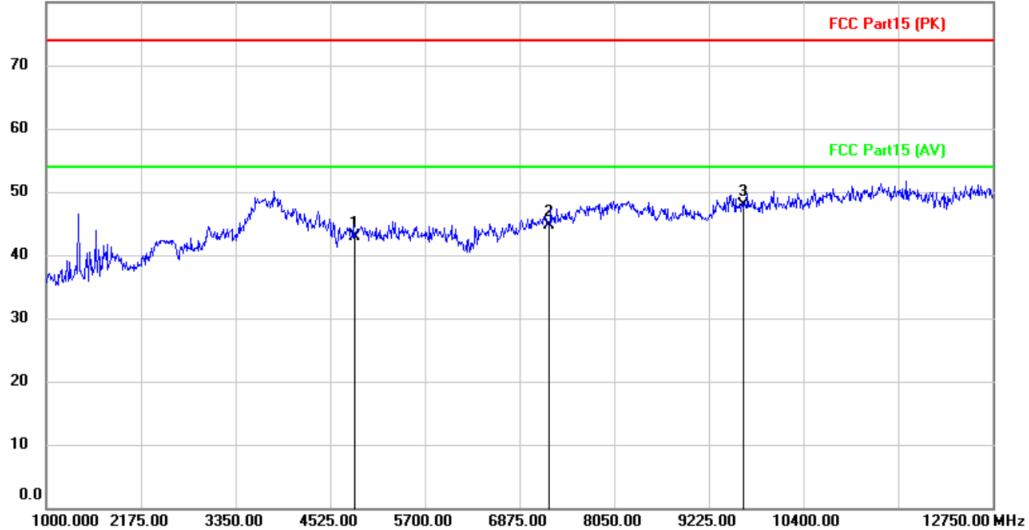
File :RE

Data :#38

Date: 2021/4/16 星期

Time: 下午 4:41:51

80.0 dBuV/m



Site

Limit: FCC Part15 (PK)

EUT: Smart Blind Controller

M/N: 50348

Mode: TX-N20-L

Note:

Polarization: **Vertical**

Temperature:

Power:

Humidity: %

Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		4824.000	39.27	3.62	42.89	74.00	-31.11	peak		
2		7236.000	38.65	6.07	44.72	74.00	-29.28	peak		
3	*	9648.000	38.45	9.37	47.82	74.00	-26.18	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass