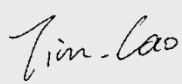


Test report No:
2530770R.705

FCC TEST REPORT

Product Name	Smart Controller
Trademark	N/A
Model and /or type reference	GS-ONE-TS
FCC ID	2BP4Q-GS-ONE-TS
Applicant's name / address	Aerora North America, Inc. 2570 N. First St, Suite 200 San Jose, CA 95131
Test method requested, standard	47 CFR FCC Part 15 (Section 15.407) ANSI C63.10: 2020
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Frank He / Technical Manager 
Date of issue	2025-09-08
Report Version	V1.0
Report template No	Template_FCC Part 15C-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Mar. 25, 2025
Date (start test)	Apr. 05, 2025
Date (finish test)	May. 30, 2025

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
Tx	: Transmitter
Rx	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2530770R.705	V1.0	Initial issue of report.	2025-09-08

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. This report is a limited report on the installation of a test module in a Smart Controller, and the customer declares that the RF parameters of the module installed in the host computer are exactly the same as those of the certified module. We verified the RF output power and radiated emissions of the equipment. For other test data, please refer to FCC ID: 2AQVB-DN2458A. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.407).
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:

- Chapter 1 General Information;

USED EQUIPMENT

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100726	2026.05.17
Two-Line V-Network	R&S	ENV216	101044	2025.10.25
Current Probe	R&S	EZ-17	100678	2025.10.18
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2026.03.15
50ohm Termination	Xinghu	N/A	N/A	2026.01.10
Temperature/Humidity Meter	RTS	RTS-1909	THM-012	2026.04.29
Coaxial Cable	Suhner	RG 223	TR1-C1	2026.03.15
Dekra test software	Dekra	N/A	N/A	N/A

Conducted Test / TR8

Instrument	Manufacturer	Model No.	Serial No.	Next Cal. Date
Wireless Connectivity Tester	R&S	CMW 270	102593	2026.05.09
Coaxial Cable	N/A	N/A	2477	2025.06.10
Coaxial Cable	N/A	N/A	2478	2025.06.10
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2026.03.14
Temperature/Humidity Meter	RTS	RTS-8S	N/A	2025.07.10
Power Meter	Anritsu	MA2411B	1339267	2025.08.23
MAX Signal Analyzer	Keysight	N9010A	THM-032	2025.10.25
RF Control Unit	Tonscend	JS0806-2	MY48030494	2026.01.25
MXG-B RF Vector Signal Generator	Keysight	N5182B	22G8060594	2026.03.22
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY61252529	2026.03.22
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY59362500	2025.07.05
Test Software	Tonscend	TS1120	MY61252566	N/A

Radiated Emission(9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2026.01.10
Loop Antenna	R&S	HFH2-Z2E	101149	2026.04.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2026.03.23
Temperature/Humidity Meter	RTS	RTS-1909	THM-021	2026.04.29
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2026.03.15
Dekra test software	Dekra	N/A	N/A	N/A

Radiated Emission Band Edge / AC6

Instrument	Manufacturer	Model No.	Serial No.	Next Cal. Date
Anechoic chamber	Quietek	9m*5.5m*5.5m	AC6	2029.06.29
Signal Analyzer	Agilent	N9010A	MY55370495	2025.10.18

Loop Antenna	R&S	HFH2-Z2E	101149	2026.04.15
DRG Horn Antenna	RFSPIN	DRH18-E	CE2C07A18EN	2025.12.06
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9170	750	2025.11.23
Pre-Amplifier	Schwarzbeck	BBV 9721	'00114	2026.05.16
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9168	1231	2026.05.27
Temperature/Humidity Meter	RTS	RTS-8S	RF07	2026.06.16
Temperature/Humidity Meter	RTS	RTS-8S	RF04	2026.06.16
Pre-amplifier	Tonscend	TAP01008028	806JSAP041204251019	2026.05.16
Pre-amplifier	Tonscend	TAP01018048S	806JSAP040204251009	2026.05.16
Wideband Radio Communication Tester	R&S	CMW 500	170870	2026.05.09
Test Software	Tonscend	JS36	JS36-RSE	N/A

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Firmware Version	Software version
EMI Test Receiver	R&S	ESCI	100726	4.42 SP3	N/A
Dekra test software	Dekra	N/A	N/A	N/A	3

Conducted Test / TR8

Instrument	Manufacturer	Model No.	Serial No.	Firmware Version	Software version
Wireless Connectivity Tester	R&S	CMW 270	102593	V 4.0.60	N/A
MAX Signal Analyzer	Keysight	N9010A	MY48030494	A.14.03	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	B.01.96	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	B.01.95	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	V3.0.22

Radiated Emission(9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Firmware Version	Software version
EMI Test Receiver	R&S	ESCI	100573	4.42 SP2	N/A
Dekra test software	Dekra	N/A	N/A	N/A	3

Radiated Emission Band Edge / AC6

Instrument	Manufacturer	Model No.	Serial No.	Firmware Version	Software version
Signal Analyzer	Agilent	N9010A	MY55370495	A.18.17	N/A
Wideband Radio Communication Tester	R&S	CMW 500	170870	X 4.0.62.11	N/A
Dekra test software	Dekra	N/A	N/A	N/A	5.0.0

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95% .

Test item Test Location	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.8 dB 150kHz~30MHz: 2.4 dB
Peak Power Output	± 1.3 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~300MHz: 3.5 dB, 300MHz~1GHz: 3.6 dB Vertical: 30MHz~300MHz: 3.6 dB, 300MHz~1GHz: 3.5 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~40GHz: 5.0 dB Vertical: 1GHz~40GHz: 4.8 dB
RF antenna conducted test	± 1.3 dB
Radiated Emission Band Edge	± 5.0 dB
DTS Bandwidth	± 1.0 kHz
Occupied Bandwidth	± 1.0 kHz
Power Density	± 1.3 dB

1 GENERAL INFORMATION

Product Name	Smart Controller
Trademark	N/A
Model No.	GS-ONE-TS
FCC ID.....	2BP4Q-GS-ONE-TS
Hardware Version.....	V1.3
Software Version	T05
Operating Temperature	-40°C ~ 70°C
Power Supply	DC 7.4 V, 3 A 22.2 W from internal rechargeable battery which can be charged by AC/DC adapter.
Manufacturer	Aerora North America, Inc.
Manufacturer address	2570 N. First St, Suite 200 San Jose, CA 95131
Factory.....	ROTOTEK VIETNAM CO., LTD
Factory address.....	House S4_2nd floor, Hap Linh Industrial Park, Bac Ninh City, Vietnam
Wireless specification	SRD 5.8G
Operating frequency range(s) :	5731~5782 MHz
Type of Modulation	OFDM
Data Rate	2.08 Mbps ~ 6.57 Mbps
Number of channels	3
Antenna Type	Dipole
Antenna Gain	2.95 dBi

Remark:

As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) N/A	N/A	N/A	N/A
(2) N/A	N/A	N/A	N/A
(3) N/A	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
QRCT	N/A	N/A	N/A

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
CFR 47, FCC Part 15 C	2024	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 789033	2017	This document provides guidance for determining emissions compliance of U-NII devices under Part 15, Subpart E of the FCC rules.
KDB 662911	2020	Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

Test Item	FCC rules No.	Test Requirements	Result
Antenna Requirement	15.203/15.407(a)	--	PASS ¹⁾
26dB Emission Bandwidth	15.407(a)	No limit.	PASS ¹⁾
6dB Emission Bandwidth	15.407(e)	≥ 500 kHz.	PASS ¹⁾
Duty Cycle	--	No limit.	PASS ¹⁾
Maximum Conducted Output Power	15.407(a)(3)	< 1W	PASS
Maximum Power Spectral Density	15.407(a)(3)	<30dBm/500KHz	PASS ¹⁾
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	15.407(b) 15.209	-27 dBm/MHz EIRP -17 dBm/MHz EIRP	PASS
Unwanted Emissions in the Restricted Bands (Radiated)	15.209	---	PASS
AC Power Line Conducted Emissions	15.207	---	PASS
Supplementary information: 1) Only the Conducted Output Power and Band-Edge and Radiated Spurious were fully tested. These items please refer to the SRD 5.8G Module report 2412TW0122-U2. The FCC ID is 2AQVB-DN2458A has been certified, and the test report issued by MRT Technology (Taiwan)Co., Ltd. on 01/06/2025.			

Requirement – Test Item	Remark
Maximum Conducted Output Power	Test data please refer to Appendix A
Band edge measurements	Test data please refer to Appendix B
Emissions in Restricted Bands	Test data please refer to Appendix C
AC Power Line Conducted Emission	Test data please refer to Appendix D

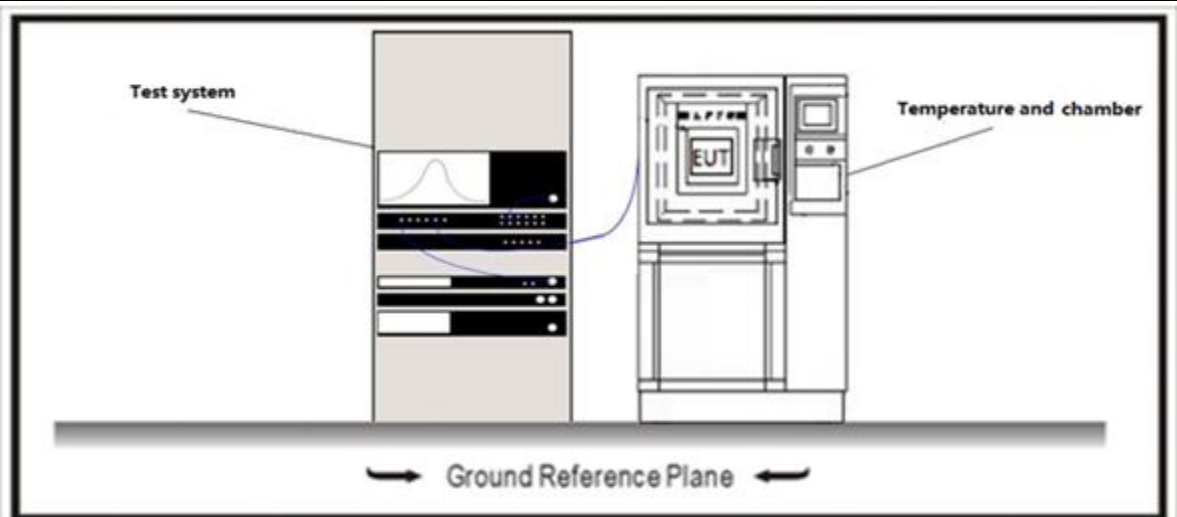
3.4 Test Facility

Tset Location : FCC Designation Number: CN1199

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 Maximum Conducted Output Power	VERDICT: PASS
------------------------------------	---------------

4.1.1 Limit	
Standard	FCC Part 15 Subpart E Paragraph 15.407 (a)
☒	For the band 5.725-5.85 GHz:
☒	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
☐	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W
Note 1 : GTX directional gain of transmitting antennas.	
Note 2 : Pout is maximum conducted output power .	

4.1.2 Test Setup
 The diagram illustrates the test setup. On the left is a 'Test system' unit with a screen displaying a waveform. On the right is a 'Temperature and chamber' unit, which is an environmental test chamber with 'EUT' (Equipment Under Test) inside. Both units are connected by a blue line, likely representing a signal or power connection. They are both placed on a horizontal line labeled 'Ground Reference Plane' with arrows pointing outwards from the center.

4.1.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		12.3	Maximum conducted output power
	☒	ANSI C63.10	12.3.2	Maximum conducted output power measurement using a spectrum analyzer (SA) or EMI receiver
		☐ ANSI C63.10	12.3.2.2	Method SA-1
		☐ ANSI C63.10	12.3.2.3	Method SA-1A (alternative)
		☒ ANSI C63.10	12.3.2.4	Method SA-2
		☐ ANSI C63.10	12.3.2.5	Method SA-2A (alternative)
		☐ ANSI C63.10	12.3.2.6	Method SA-3
		☐ ANSI C63.10	12.3.2.7	Method SA-3A (alternative)
	☒	ANSI C63.10	12.3.3	Maximum conducted output power using a power meter
		☐ ANSI C63.10	12.3.3.1	Method PM
		☒ ANSI C63.10	12.3.3.2	Method PM-G

4.2 Band Edge Measurements**VERDICT: PASS****4.2.1 Limit****Standard** FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	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
8.81425 – 8.81475	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	
13.36 – 13.41			

Restricted Band Emissions Limit

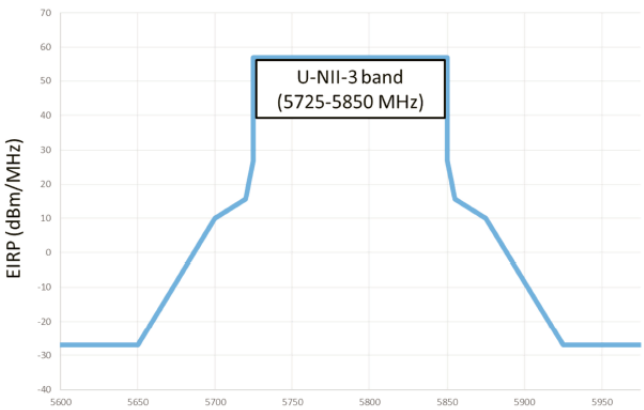
FCC Part 15 Subpart C Paragraph 15.209

Frequency (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note 2)
Above 960	500	54	3 _(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

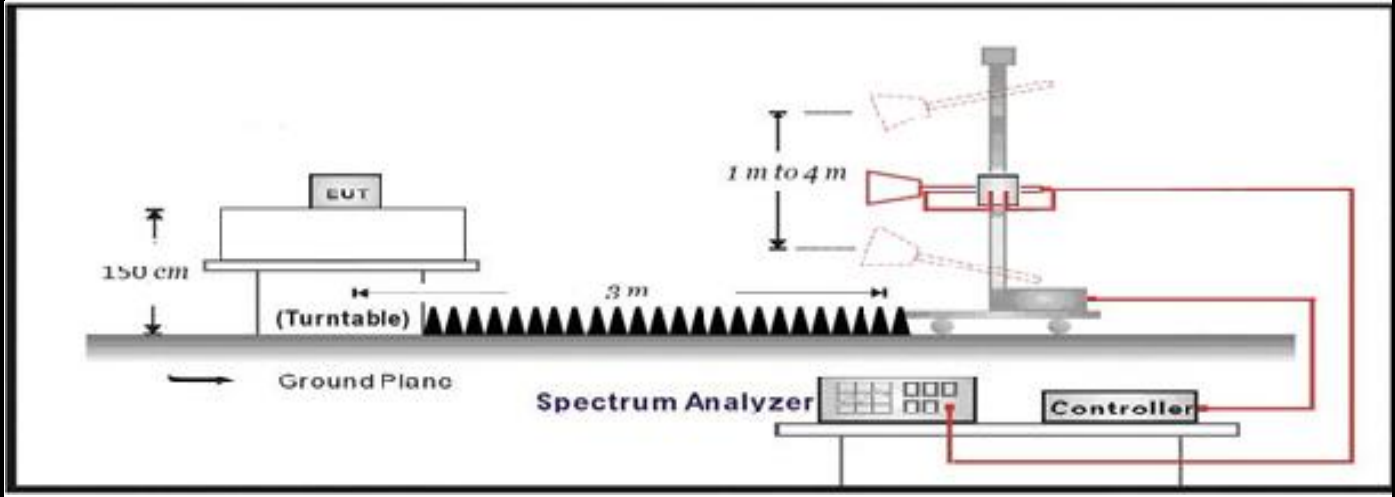
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment.

Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850		

4.2.2 Test Setup

Above 1GHz Test Setup:



4.2.3 Test Procedure			
	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands

☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
☐	ANSI C63.10	12.7.5	Radiated emission measurements
☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☐	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v02r01	G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v02r01	G.1	Unwanted Emissions in the Restricted Bands
☐	FCC KDB 789033 D02v02r01	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
☐	FCC KDB 789033 D02v02r01	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
☐	FCC KDB 789033 D02v02r01	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
☐	FCC KDB 789033 D02v02r01	G.6.c	Method AD (Average detection)—primary method
☐	FCC KDB 789033 D02v02r01	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.3 Emissions in Restricted Bands**VERDICT: PASS****4.3.1 Limit****Standard** FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	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
8.81425 – 8.81475	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	
13.36 – 13.41			

Restricted Band Emissions Limit

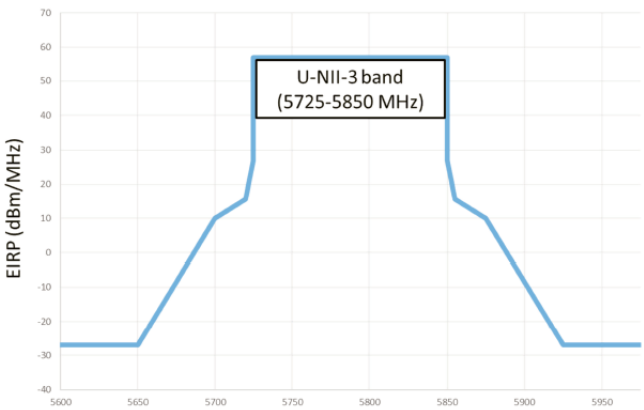
FCC Part 15 Subpart C Paragraph 15.209

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note 2)
Above 960	500	54	3 _(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

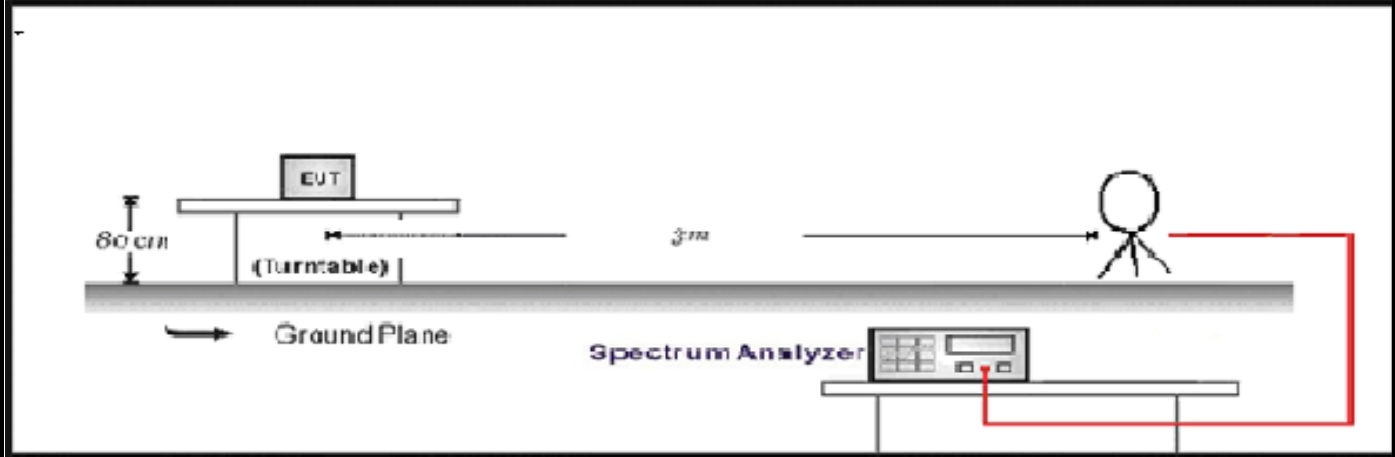
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment.

Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

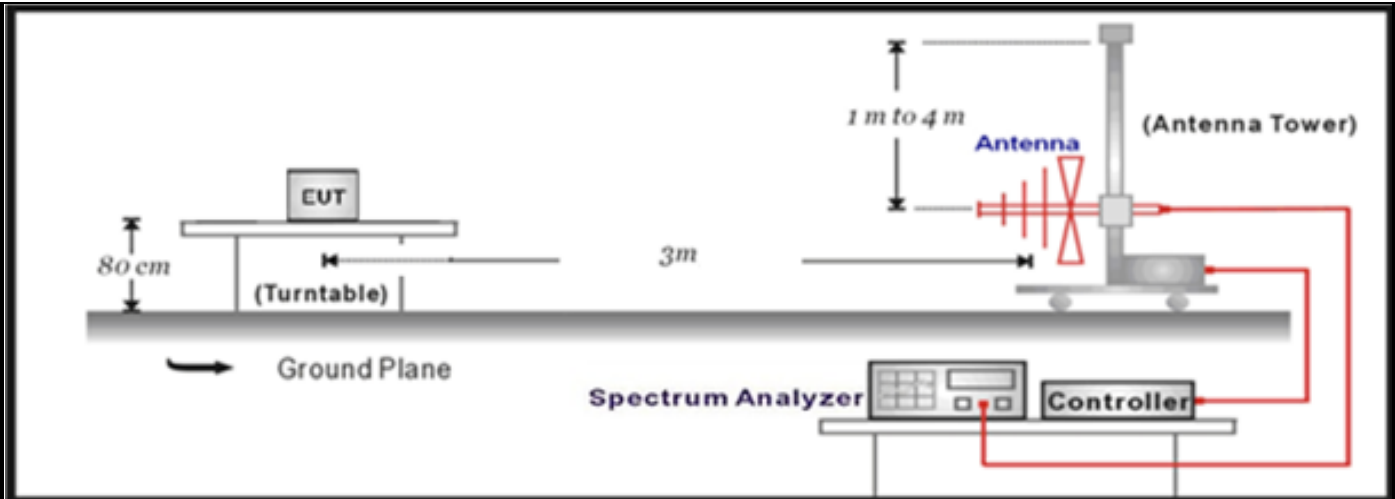
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850		

4.3.2 Test Setup

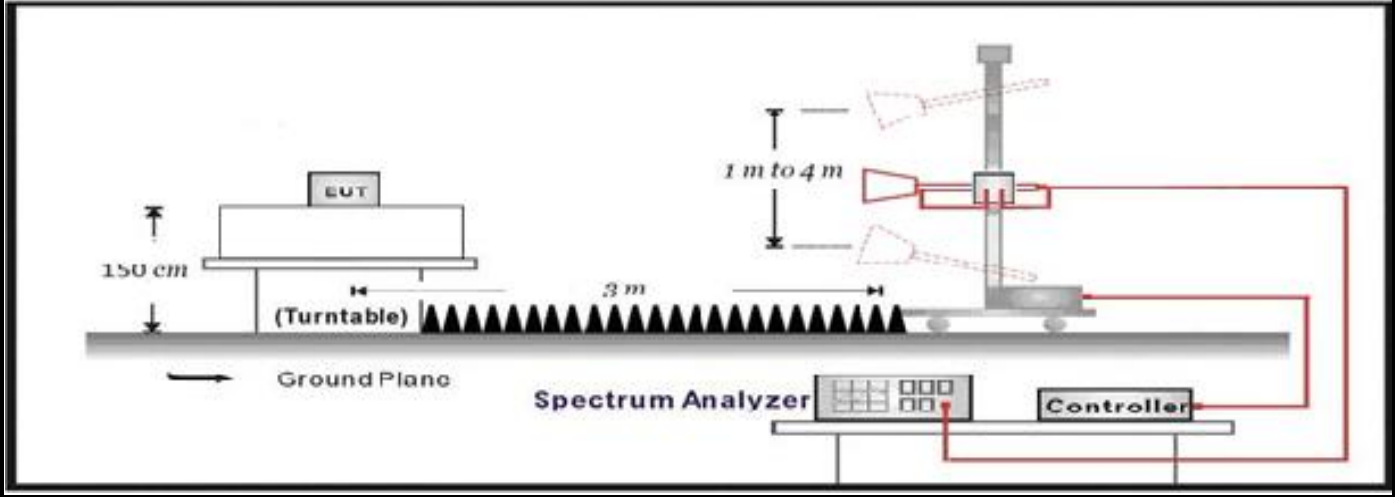
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3.3 Test Procedure

	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
	☐	ANSI C63.10	Radiated emission measurements
	☒	ANSI C63.10	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒	ANSI C63.10	Procedures for average unwanted emissions measurements above 1000 MHz
	☐	ANSI C63.10	Method AD (average detection)—primary method
	☒	ANSI C63.10	Method VB-A (Alternative)
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range

				of 30 MHz to 1000 MHz
	☐	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐		FCC KDB 789033 D02v02r01	G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐		FCC KDB 789033 D02v02r01	G.1	Unwanted Emissions in the Restricted Bands
	☐	FCC KDB 789033 D02v02r01	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐	FCC KDB 789033 D02v02r01	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v02r01	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v02r01	G.6.c	Method AD (Average detection)—primary method
	☐	FCC KDB 789033 D02v02r01	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.4 AC Power Line Conducted Emission

VERDICT: PASS

4.4.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207 ;		
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾	Limit: AV [dB(μV) ¹⁾	
0,15 - 0,50	66 – 56 ²⁾	56	- 46 ²⁾
0,50 - 5,0	56	46	
5,0 - 30	60	50	

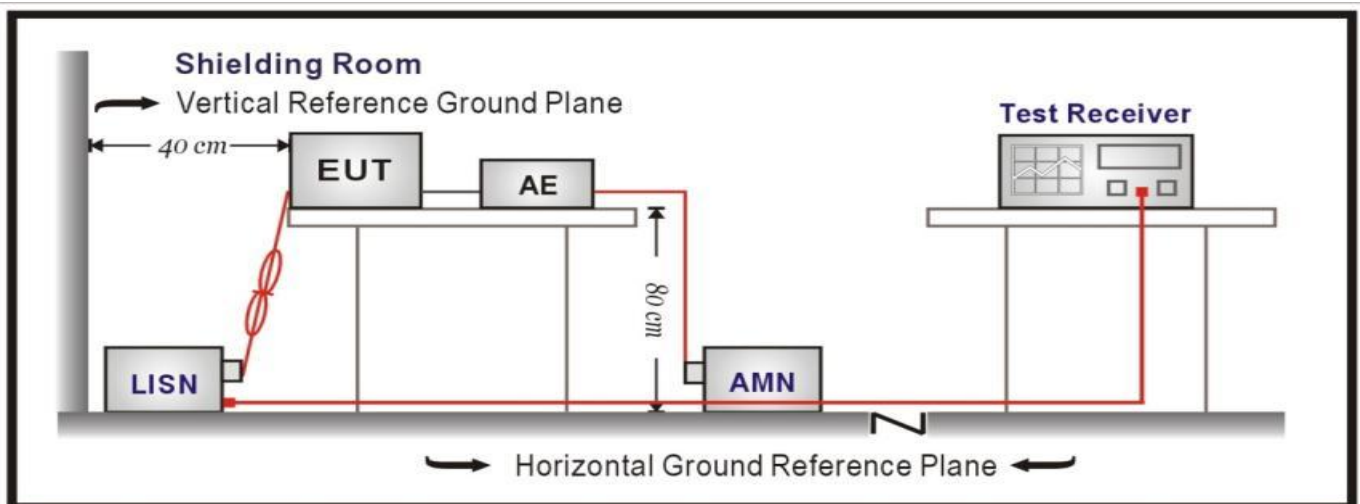
¹⁾ At the transition frequency, the lower limit applies.

2) The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.4.2 Test Setup



4.4.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT

Appendix A: Maximum Conducted output power

Test Mode	Frequency (MHz)	Average Power (dBm)		Limit [dBm]	Verdict
		Ant 1	Ant 2		
SRD 5.8G	5731	21.89	22.64	≤ 30	PASS
	5765	22.13	22.95	≤ 30	PASS
	5782	22.09	22.89	≤ 30	PASS

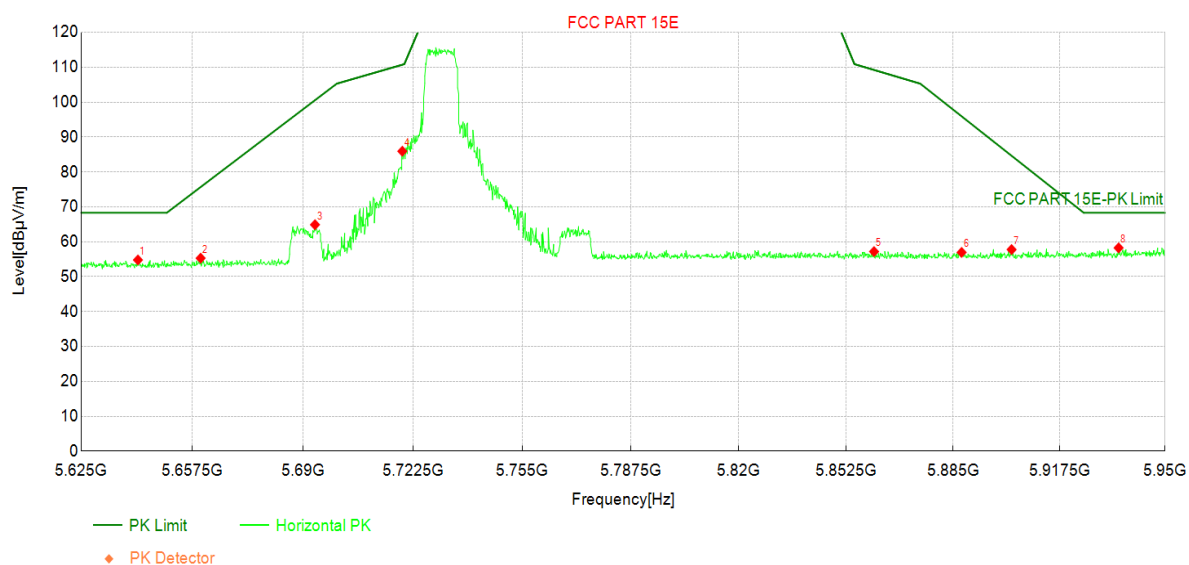
Appendix B: Band edge measurements

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5731MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15E		

Test Graph



Suspected Data List

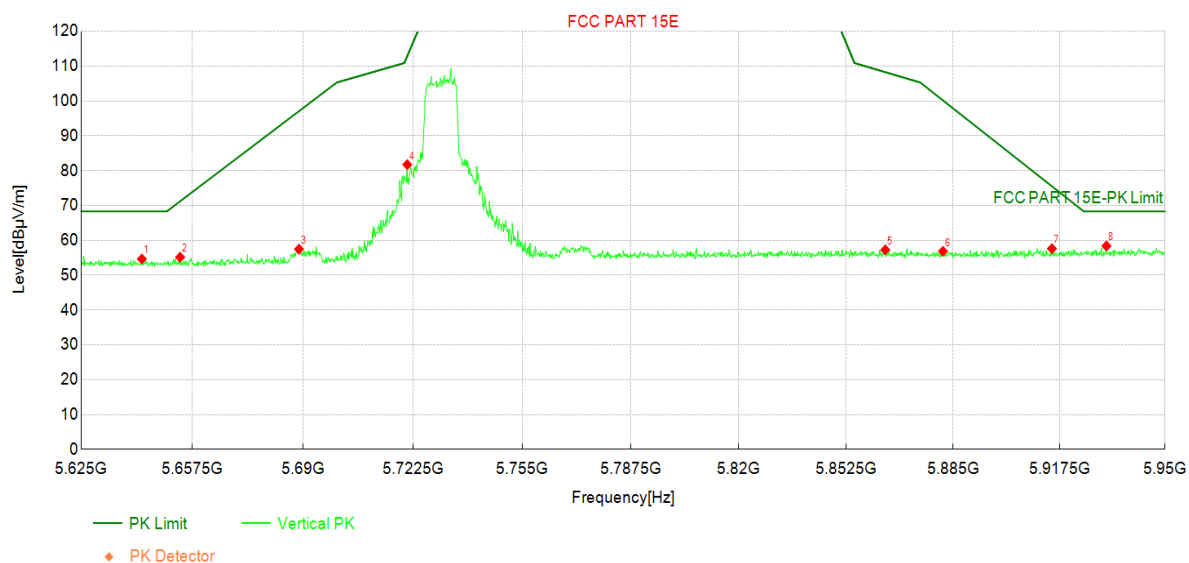
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5641.58	36.66	54.79	18.13	68.30	13.51	PK	Horizo	PASS
2	5659.94	36.99	55.30	18.31	75.68	20.38	PK	Horizo	PASS
3	5693.58	46.23	64.88	18.65	100.56	35.68	PK	Horizo	PASS
4	5719.41	67.28	85.95	18.67	110.74	24.79	PK	Horizo	PASS
5	5860.95	38.15	57.18	19.03	109.23	52.05	PK	Horizo	PASS
6	5887.60	37.71	56.95	19.24	95.95	39.00	PK	Horizo	PASS
7	5902.88	38.39	57.76	19.37	84.63	26.87	PK	Horizo	PASS
8	5935.70	38.64	58.25	19.61	68.30	10.05	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5731MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Enginee	Reyn Chen
Test Standard:	FCC PART 15E		

Test Graph



Suspected Data List

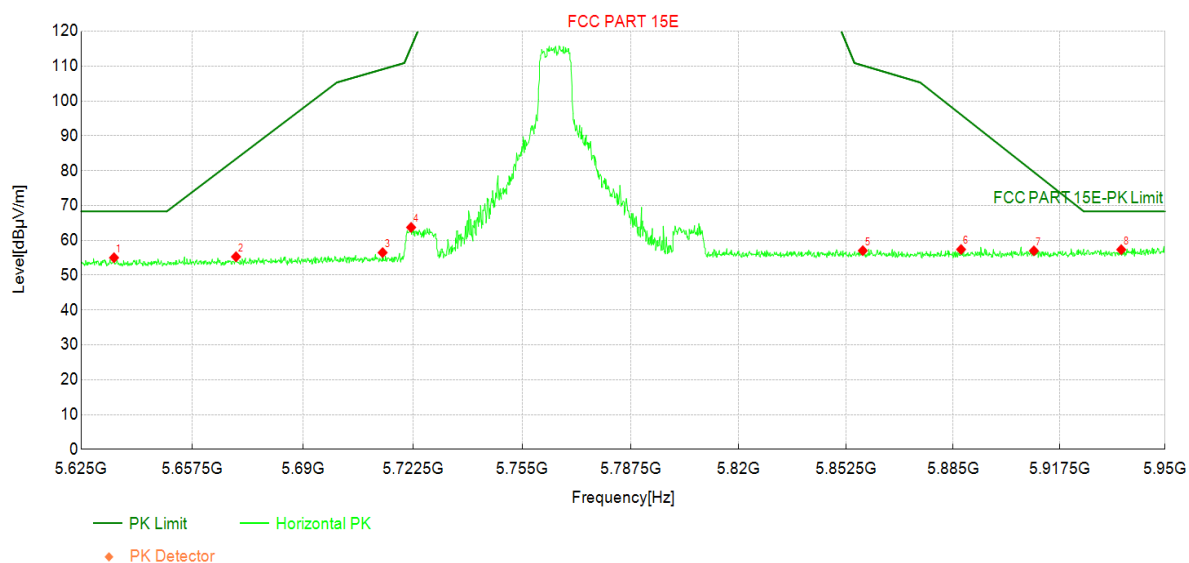
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5642.71	36.50	54.64	18.14	68.30	13.66	PK	Vertic	PASS
2	5653.93	36.91	55.16	18.25	71.22	16.06	PK	Vertic	PASS
3	5688.86	38.88	57.47	18.59	97.09	39.62	PK	Vertic	PASS
4	5720.88	63.05	81.73	18.68	112.90	31.17	PK	Vertic	PASS
5	5864.36	38.21	57.27	19.06	108.28	51.01	PK	Vertic	PASS
6	5881.91	37.65	56.85	19.20	100.17	43.32	PK	Vertic	PASS
7	5915.23	38.16	57.62	19.46	75.51	17.89	PK	Vertic	PASS
8	5931.96	38.80	58.38	19.58	68.30	9.92	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5765MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15E		

Test Graph



Suspected Data List

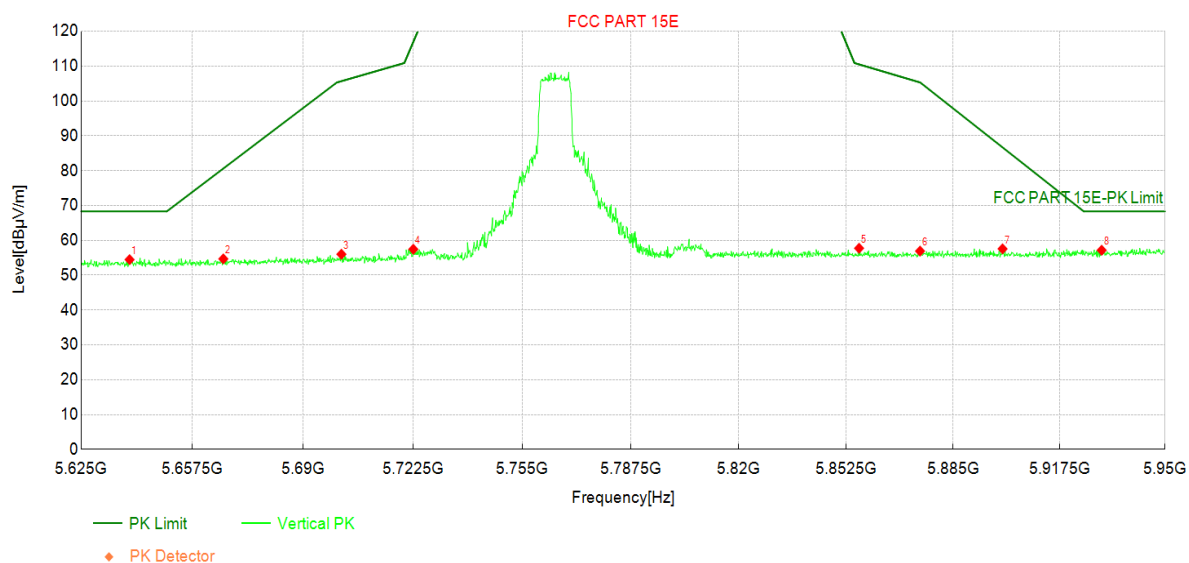
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5634.59	36.96	55.02	18.06	68.30	13.28	PK	Horizo	PASS
2	5670.34	36.88	55.29	18.41	83.39	28.10	PK	Horizo	PASS
3	5713.56	37.79	56.48	18.69	109.10	52.62	PK	Horizo	PASS
4	5722.01	45.05	63.72	18.67	115.49	51.77	PK	Horizo	PASS
5	5857.54	38.03	57.03	19.00	110.19	53.16	PK	Horizo	PASS
6	5887.44	38.14	57.38	19.24	96.07	38.69	PK	Horizo	PASS
7	5909.70	37.58	56.99	19.41	79.59	22.60	PK	Horizo	PASS
8	5936.51	37.72	57.33	19.61	68.30	10.97	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5765MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15E		

Test Graph



Suspected Data List

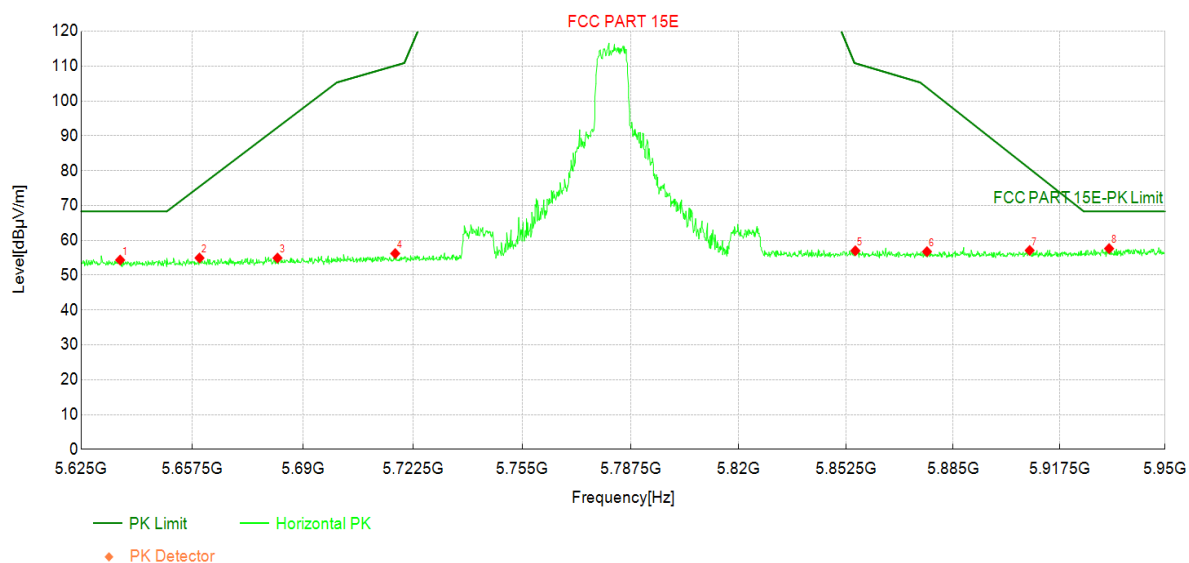
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5639.14	36.36	54.46	18.10	68.30	13.84	PK	Vertic	PASS
2	5666.60	36.30	54.67	18.37	80.62	25.95	PK	Vertic	PASS
3	5701.38	37.31	56.01	18.70	105.69	49.68	PK	Vertic	PASS
4	5722.66	38.78	57.45	18.67	116.97	59.52	PK	Vertic	PASS
5	5856.40	38.74	57.73	18.99	110.51	52.78	PK	Vertic	PASS
6	5874.93	37.78	56.92	19.14	105.32	48.40	PK	Vertic	PASS
7	5900.11	38.22	57.56	19.34	86.68	29.12	PK	Vertic	PASS
8	5930.50	37.59	57.16	19.57	68.30	11.14	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5782MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15E		

Test Graph



Suspected Data List

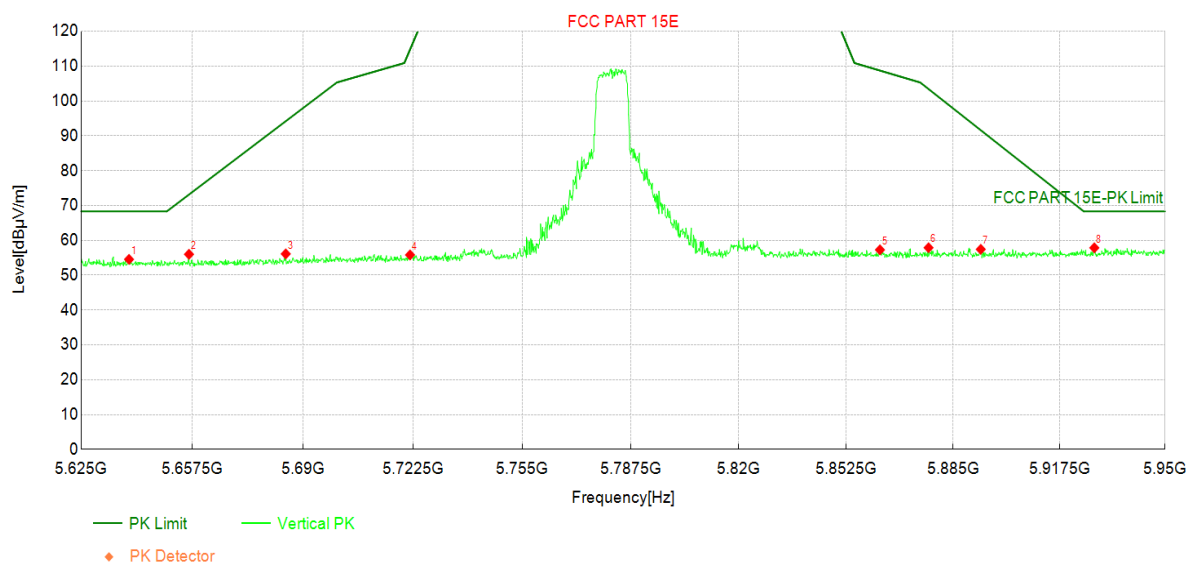
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5636.38	36.27	54.34	18.07	68.30	13.96	PK	Horizo	PASS
2	5659.61	36.62	54.93	18.31	75.44	20.51	PK	Horizo	PASS
3	5682.53	36.38	54.92	18.54	92.41	37.49	PK	Horizo	PASS
4	5717.30	37.54	56.22	18.68	110.15	53.93	PK	Horizo	PASS
5	5855.26	38.02	57.00	18.98	110.83	53.83	PK	Horizo	PASS
6	5877.04	37.60	56.76	19.16	103.79	47.03	PK	Horizo	PASS
7	5908.40	37.70	57.10	19.40	80.55	23.45	PK	Horizo	PASS
8	5932.78	38.04	57.63	19.59	68.30	10.67	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5782MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15E		

Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5638.98	36.44	54.54	18.10	68.30	13.76	PK	Vertic	PASS
2	5656.53	37.71	55.99	18.28	73.15	17.16	PK	Vertic	PASS
3	5684.96	37.54	56.10	18.56	94.21	38.11	PK	Vertic	PASS
4	5721.69	37.15	55.82	18.67	114.75	58.93	PK	Vertic	PASS
5	5862.74	38.23	57.27	19.04	108.73	51.46	PK	Vertic	PASS
6	5877.53	38.73	57.89	19.16	103.42	45.53	PK	Vertic	PASS
7	5893.45	38.14	57.42	19.28	91.61	34.19	PK	Vertic	PASS
8	5928.23	38.30	57.85	19.55	68.30	10.45	PK	Vertic	PASS

Note:

1. Level = Reading + Factor

2. Margin = Limit - Level

3. We have evaluated antenna 1 mode and antenna 2 mode, shown in report is the worst data.

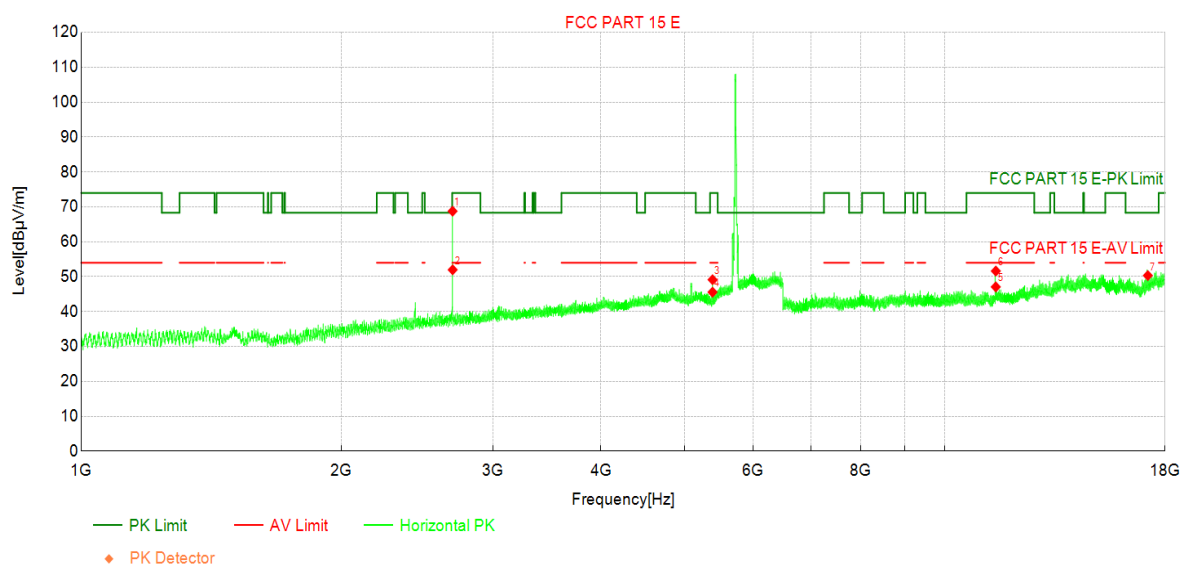
Appendix C: Emissions in Restricted Bands

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5731MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

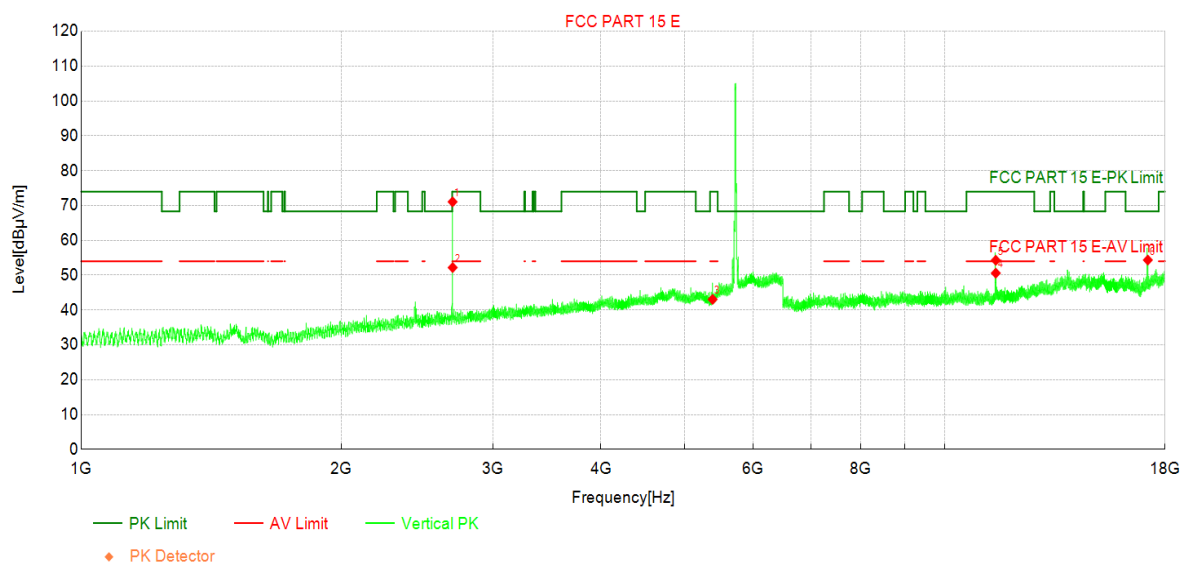
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2692.73	63.83	68.76	4.93	74.00	5.24	PK	Horizo	PASS
2	2693.15	47.03	51.96	4.93	54.00	2.04	AV	Horizo	PASS
3	5385.62	33.46	49.13	15.67	74.00	24.87	PK	Horizo	PASS
4	5386.04	29.89	45.56	15.67	54.00	8.44	AV	Horizo	PASS
5	11462.00	38.86	47.07	8.21	54.00	6.93	AV	Horizo	PASS
6	11462.00	43.40	51.61	8.21	74.00	22.39	PK	Horizo	PASS
7	17193.00	34.89	50.32	15.43	68.30	17.98	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5731MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Enginee	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

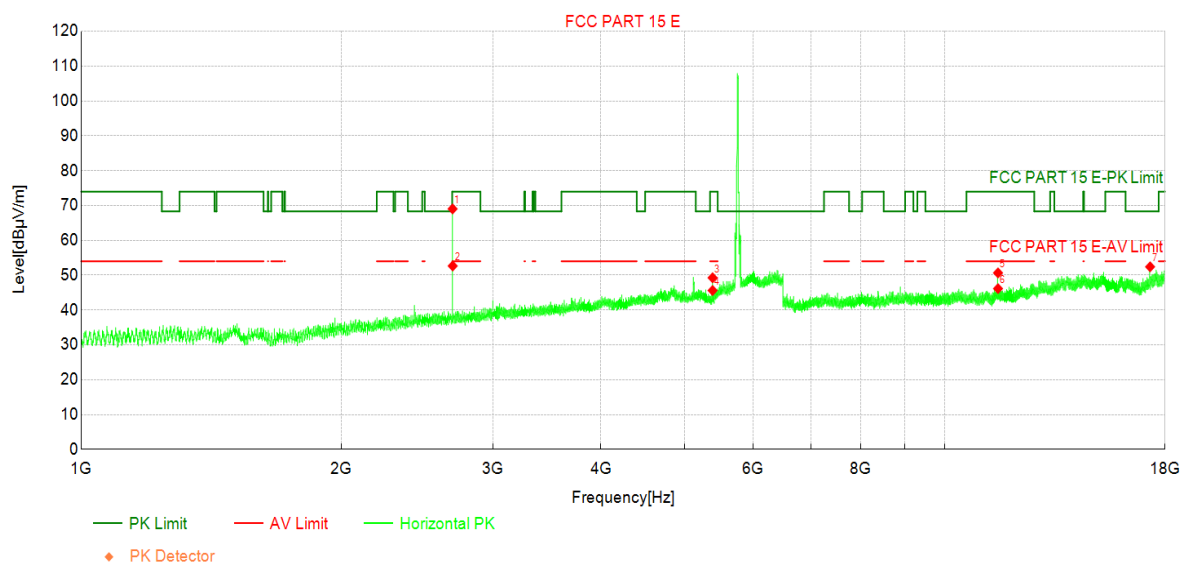
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2692.73	66.13	71.06	4.93	74.00	2.94	PK	Vertic	PASS
2	2693.15	47.25	52.18	4.93	54.00	1.82	AV	Vertic	PASS
3	5386.46	27.38	43.05	15.67	54.00	10.95	AV	Vertic	PASS
4	11462.00	42.37	50.58	8.21	54.00	3.42	AV	Vertic	PASS
5	11462.00	46.07	54.28	8.21	74.00	19.72	PK	Vertic	PASS
6	17193.00	38.91	54.34	15.43	68.30	13.96	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5765MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

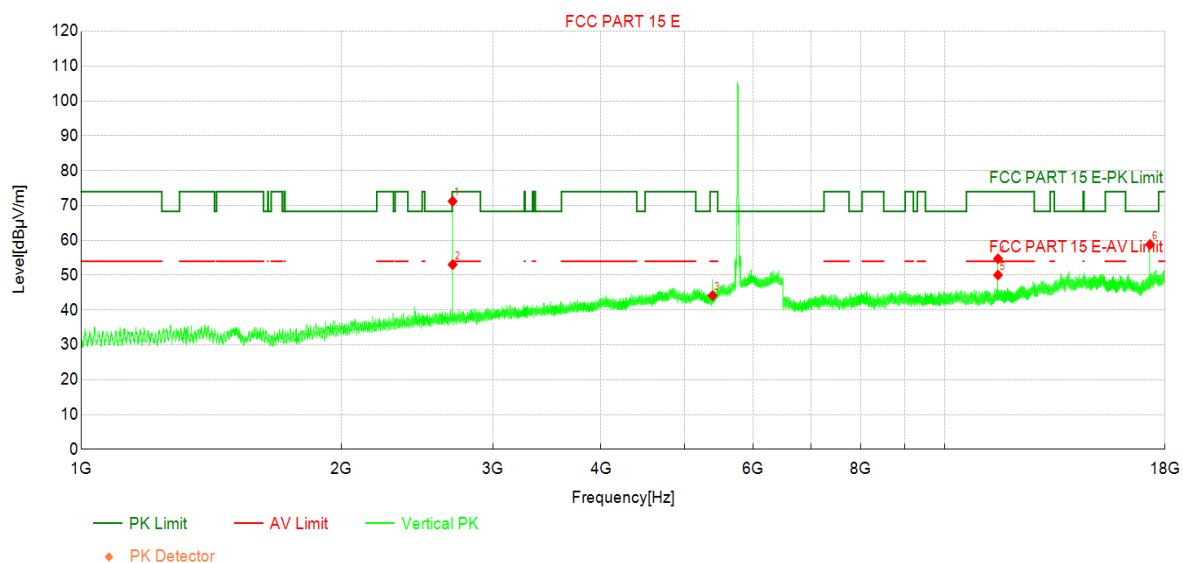
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2692.73	64.09	69.02	4.93	74.00	4.98	PK	Horizo	PASS
2	2693.15	47.72	52.65	4.93	54.00	1.35	AV	Horizo	PASS
3	5386.04	33.58	49.25	15.67	74.00	24.75	PK	Horizo	PASS
4	5386.04	29.93	45.60	15.67	54.00	8.40	AV	Horizo	PASS
5	11530.29	42.11	50.65	8.54	74.00	23.35	PK	Horizo	PASS
6	11530.29	37.60	46.14	8.54	54.00	7.86	AV	Horizo	PASS
7	17296.58	36.85	52.41	15.56	68.30	15.89	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5765MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

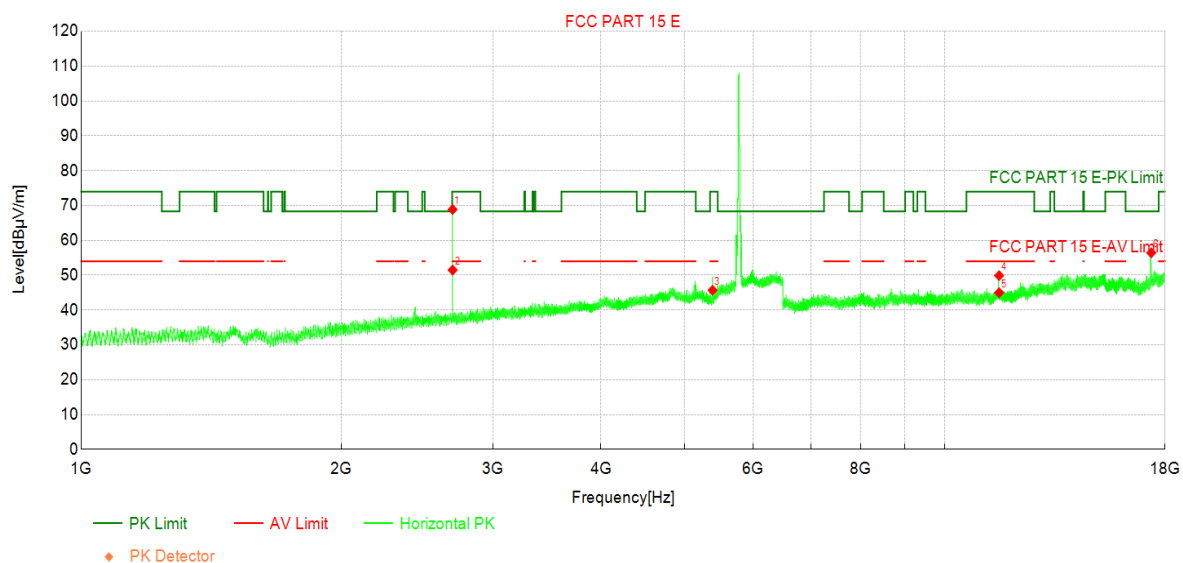
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2692.73	66.29	71.22	4.93	74.00	2.78	PK	Vertic	PASS
2	2693.15	48.11	53.04	4.93	54.00	0.96	AV	Vertic	PASS
3	5386.04	28.48	44.15	15.67	54.00	9.85	AV	Vertic	PASS
4	11530.29	46.18	54.72	8.54	74.00	19.28	PK	Vertic	PASS
5	11530.29	41.50	50.04	8.54	54.00	3.96	AV	Vertic	PASS
6	17296.10	43.27	58.83	15.56	68.30	9.47	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5782MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

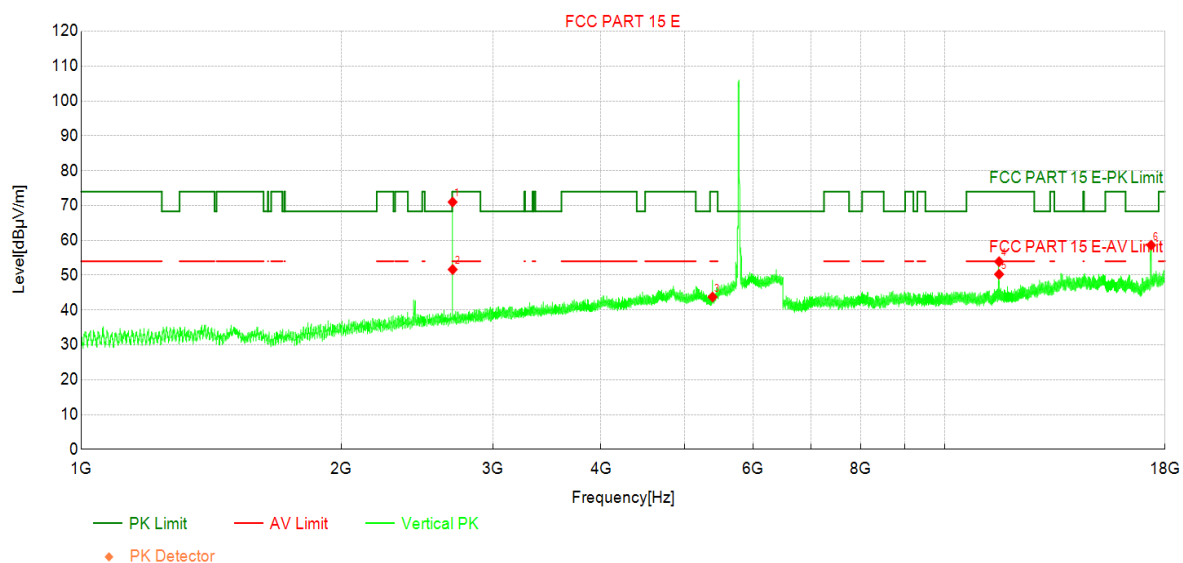
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2692.73	63.93	68.86	4.93	74.00	5.14	PK	Horizo	PASS
2	2693.15	46.54	51.47	4.93	54.00	2.53	AV	Horizo	PASS
3	5386.04	30.00	45.67	15.67	54.00	8.33	AV	Horizo	PASS
4	11564.31	41.22	49.88	8.66	74.00	24.12	PK	Horizo	PASS
5	11564.31	36.30	44.96	8.66	54.00	9.04	AV	Horizo	PASS
6	17348.33	40.28	56.42	16.14	68.30	11.88	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5782MHz by SRD	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph

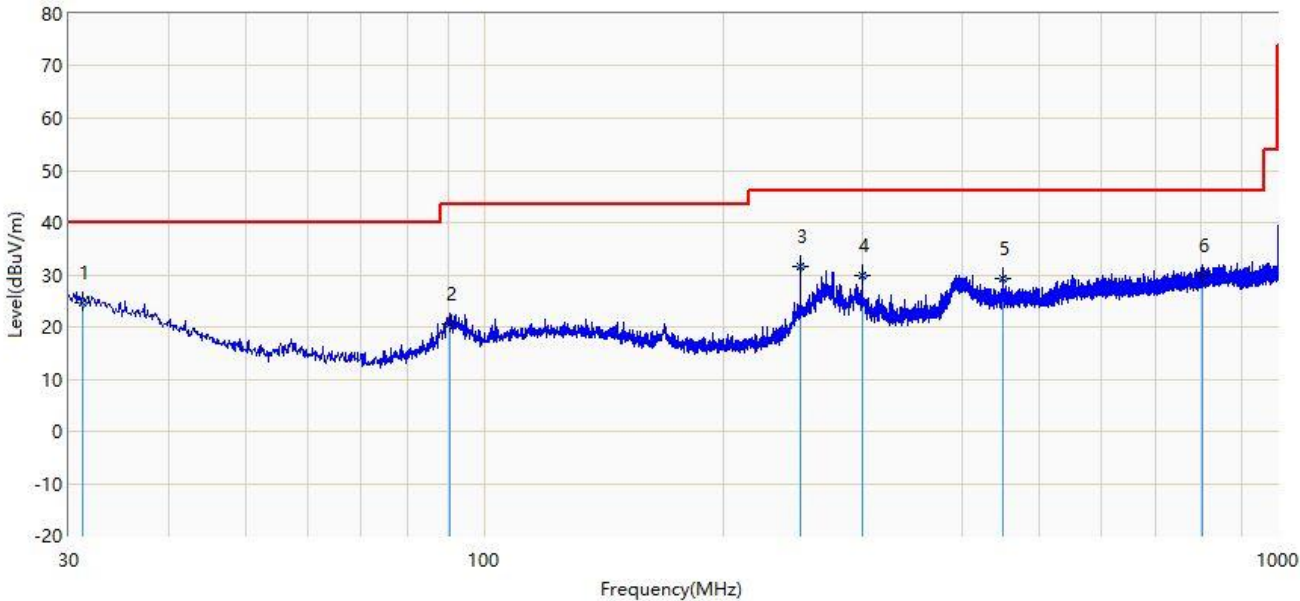


Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2692.73	66.06	70.99	4.93	74.00	3.01	PK	Vertic	PASS
2	2693.15	46.71	51.64	4.93	54.00	2.36	AV	Vertic	PASS
3	5386.04	28.07	43.74	15.67	54.00	10.26	AV	Vertic	PASS
4	11563.83	45.22	53.88	8.66	74.00	20.12	PK	Vertic	PASS
5	11564.31	41.60	50.26	8.66	54.00	3.74	AV	Vertic	PASS
6	17343.54	42.53	58.61	16.08	68.30	9.69	PK	Vertic	PASS

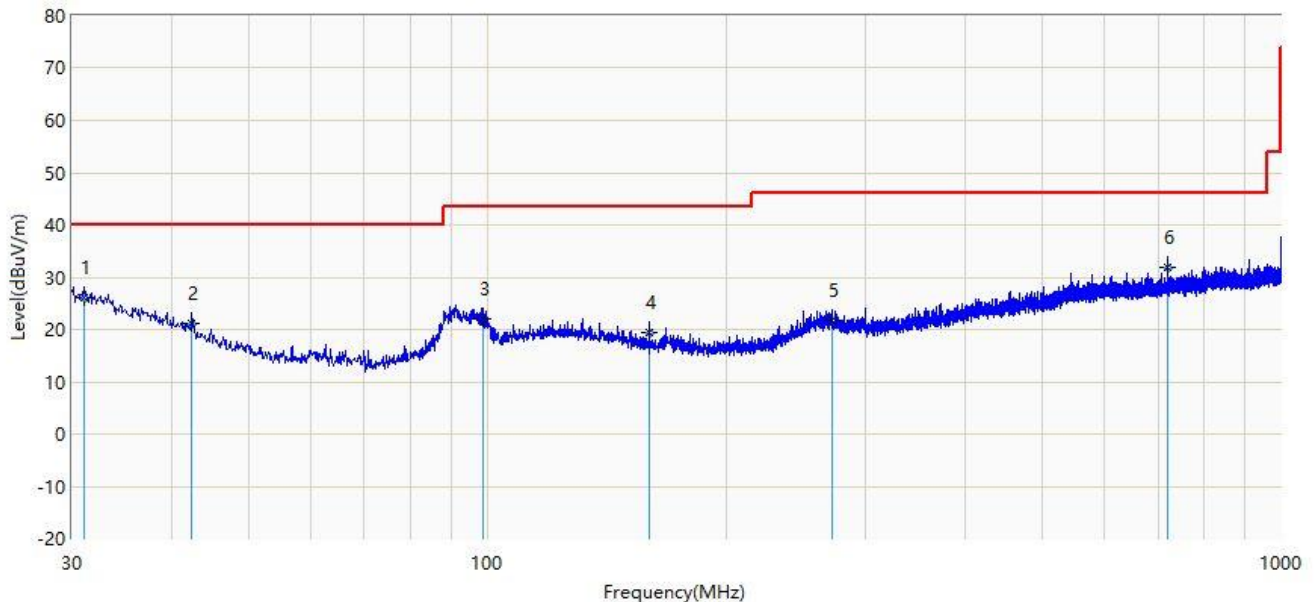
The worst case of Radiated Emission below 1GHz :

Profile: 2530770R	Page No.: 9
Engineer: Yu Liu	
Site: AC2	Time: 2025/05/28 - 21:48
Limit: FCC_Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)-2024	Polarity: Horizontal
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: Transmit by SRD 5.8G	



N o	Mar k	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		31.212	24.571	0.061	-15.429	40.000	24.510	QP
2		90.382	20.536	4.439	-22.964	43.500	16.096	QP
3	*	249.947	31.656	11.407	-14.344	46.000	20.249	QP
4		300.024	29.942	9.072	-16.058	46.000	20.870	QP
5		450.010	29.194	4.599	-16.806	46.000	24.595	QP
6		804.181	29.861	1.196	-16.139	46.000	28.665	QP

Profile: 2530770R	Page No.: 10
Engineer: Yu Liu	
Site: AC2	Time: 2025/05/28 - 21:50
Limit: FCC_Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)-2024	Polarity: Vertical
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: Transmit by SRD 5.8G	



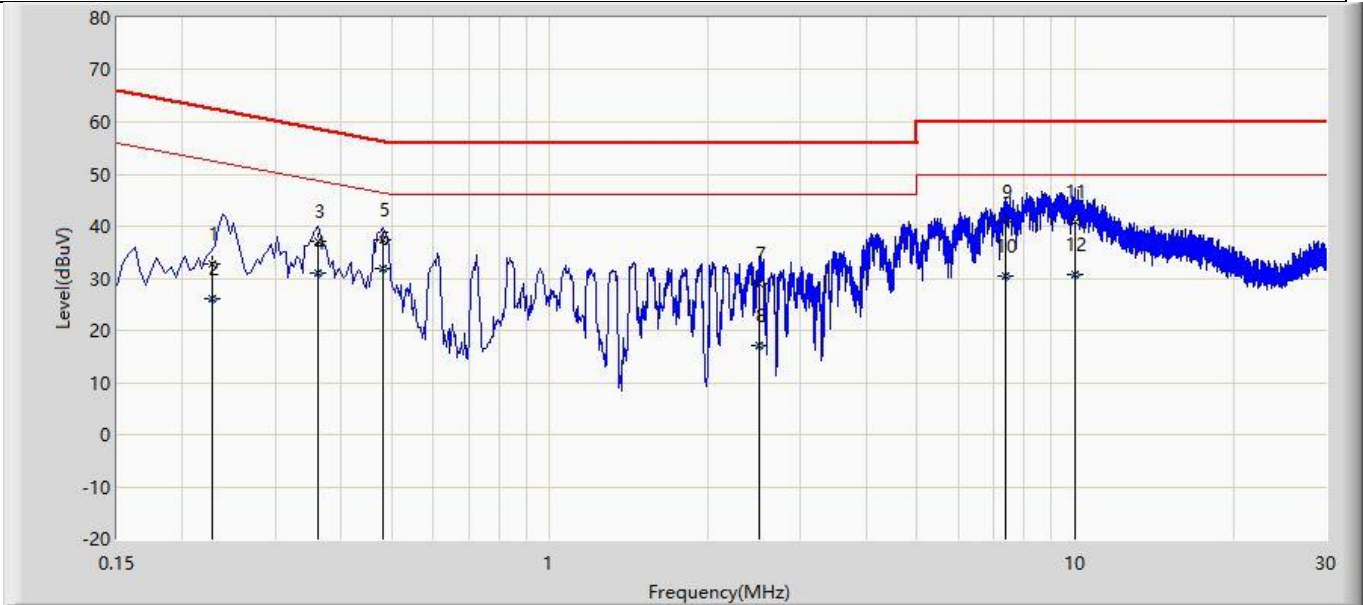
N o	Mar k	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	31.091	26.195	1.633	-13.805	40.000	24.562	QP
2		42.489	21.104	2.447	-18.896	40.000	18.657	QP
3		98.628	22.009	4.520	-21.491	43.500	17.490	QP
4		159.980	19.491	2.242	-24.009	43.500	17.249	QP
5		272.379	21.671	0.794	-24.329	46.000	20.878	QP
6		720.034	31.837	4.022	-14.163	46.000	27.815	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. If the test result on peak is lower than average limit, then average measurement needn't be performed.
5. All test data above 18GHz are noise base, so no data shown in this report.
6. In the report, below 1G, only the verification test is carried out for the worst channel of 1~18G worst mode.
7. The below 1G test data was measured on the worst-case configuration selected from each transmission mode on the low and high channel.
8. We have evaluated antenna 1 mode and antenna 2 mode, shown in report is the worst data.

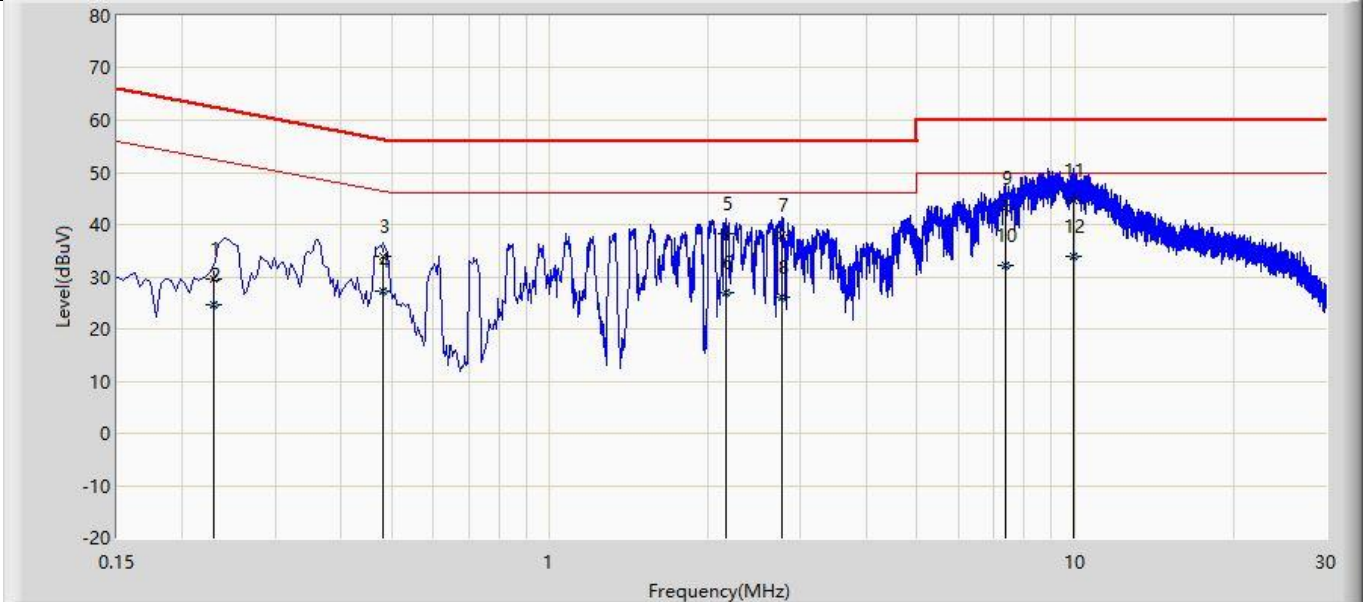
Appendix D: AC Power Line Conducted Emission

Profile: 2530770R	Page No.: 3
Engineer: Yu Liu	
Site: TR1	Time: 2025/05/28 - 21:26
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: Transmit by SRD 5.8G	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.227	32.698	23.000	-29.859	62.557	9.698	QP
2		0.227	26.059	16.361	-26.498	52.557	9.698	AV
3		0.362	37.188	27.466	-21.494	58.682	9.722	QP
4		0.362	31.120	21.398	-17.563	48.682	9.722	AV
5		0.482	37.249	27.506	-19.055	56.305	9.743	QP
6	*	0.482	31.765	22.022	-14.539	46.305	9.743	AV
7		2.502	28.884	19.068	-27.116	56.000	9.816	QP
8		2.502	17.085	7.269	-28.915	46.000	9.816	AV
9		7.358	40.802	30.882	-19.198	60.000	9.919	QP
10		7.358	30.460	20.541	-19.540	50.000	9.919	AV
11		10.014	40.803	30.783	-19.197	60.000	10.021	QP
12		10.014	30.663	20.642	-19.337	50.000	10.021	AV

Profile: 2530770R	Page No.: 4
Engineer: Yu Liu	
Site: TR1	Time: 2025/05/28 - 21:31
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: Transmit by SRD 5.8G	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.229	29.588	19.911	-32.899	62.488	9.678	QP
2		0.229	24.529	14.852	-27.958	52.488	9.678	AV
3		0.482	34.022	24.383	-22.283	56.305	9.638	QP
4		0.482	27.106	17.467	-19.199	46.305	9.638	AV
5		2.158	38.136	28.394	-17.864	56.000	9.742	QP
6		2.158	26.895	17.154	-19.105	46.000	9.742	AV
7		2.762	38.032	28.265	-17.968	56.000	9.767	QP
8		2.762	26.186	16.420	-19.814	46.000	9.767	AV
9		7.354	43.056	33.099	-16.944	60.000	9.957	QP
10		7.354	32.303	22.346	-17.697	50.000	9.957	AV
11	*	9.922	44.779	34.741	-15.221	60.000	10.038	QP
12		9.922	33.999	23.961	-16.001	50.000	10.038	AV

Note:

1. " * ", means this data is the worst emission level.

2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

The End