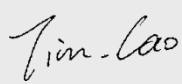


Test report No:
2530770R.703A

FCC TEST REPORT

Product Name	Smart Controller
Trademark	N/A
Model and /or type reference	GS-ONE
FCC ID	2BP40-GS-ONE
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.

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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)	Apr. 25, 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.703A	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. 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
FCC ID.....	2BP40-GS-ONE
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	802.11a / n / ac / ax
Frequency Range	U-NII-1: 5150 MHz to 5250 MHz
	U-NII-3: 5725 MHz to 5850 MHz
Channel Bandwidth	802.11a 20 MHz 802.11n 20 MHz, 40 MHz 802.11ac 20 MHz, 40 MHz, 80 MHz 802.11ax 20 MHz, 40 MHz, 80 MHz
Modulation technology	OFDM / OFDMA
Antenna Type	FPC
Antenna Gain	Ant 1 2.50 dBi Ant 2 2.50 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
FCC CFR Title 47 Part 15 Subpart E	2024	FCC CFR Title 47 Part 15 Subpart E
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
KDB 905462	2016	UNII DFS Compliance Procedures New Rules

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	Band ^[1]	FCC rules No.	Test Requirements	Result
Antenna Requirement	--	15.203/15.407(a)	--	PASS
26dB Emission Bandwidth	Band I	15.407(a)(1)	No limit.	PASS
6dB Emission Bandwidth	Band III	15.407(e)	≥ 500 kHz.	PASS
99% Occupied Bandwidth	Band I	KDB 789033 D02§ D	No limit.	PASS
	Band III			
Duty Cycle	Band I Band III	--	No limit.	PASS
Maximum Conducted Output Power	Band I	15.407(a)	< 250mW	PASS
	Band III	15.407(a)(3)	< 1W	
Maximum Power Spectral Density	Band I	15.407(a)	<11dBm/MHz	PASS
	Band III	15.407(a)(3)	<30dBm/500KHz	
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	Band I	15.209 15.407(b)	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	PASS
	Band III	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP) F≥1GHz & out-restricted:(QP) a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges. F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	PASS
Unwanted Emissions in the Restricted Bands (Radiated)	Band I Band III	15.209	---	PASS
AC Power Line Conducted Emissions	Band I Band III	15.207	---	PASS
Frequency Stability	Band I Band III	15.407(g)	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual	PASS

Remark:

Band I: 5150-5250MHz
 Band II-A: 5250-5350MHz
 Band II-C: 5470-5725MHz
 Band III: 5725-5850MHz

Requirement – Test case of FCC	Remark
AC Power Line Conducted Emissions	Test data please refer to Appendix A
Radiated Emission	Test data please refer to Appendix B
Emission bandwidth and occupied bandwidth	Test data please refer to Appendix C
6dB Emission Bandwidth	Test data please refer to Appendix D
Duty cycle	Test data please refer to Appendix E
Power Output	Test data please refer to Appendix F
Peak Power Spectral Density	Test data please refer to Appendix G
Radiated Emission Band Edge	Test data please refer to Appendix H
Frequency Stability	Test data please refer to Appendix I
Antenna Requirement	---

3.4 Test Facility

Tset Location : FCC Designation Number: CN1199

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 AC Power Line Conducted Emission

VERDICT: PASS

4.1.1 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

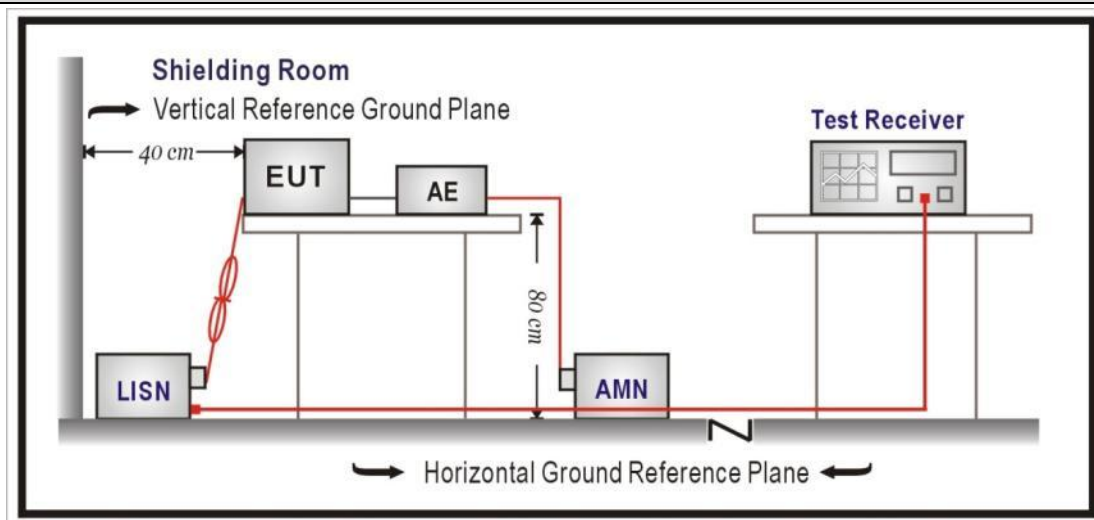
¹⁾ At the transition frequency, the lower limit applies.

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.

4.1.2 Test Setup



4.1.3 Test Procedure

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

4.2 Radiated Emissions**VERDICT: PASS****4.2.1 Limit****Standard** FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

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			

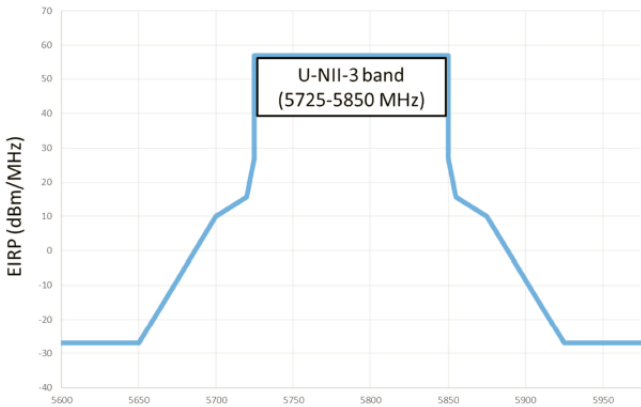
¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.²Above 38.6

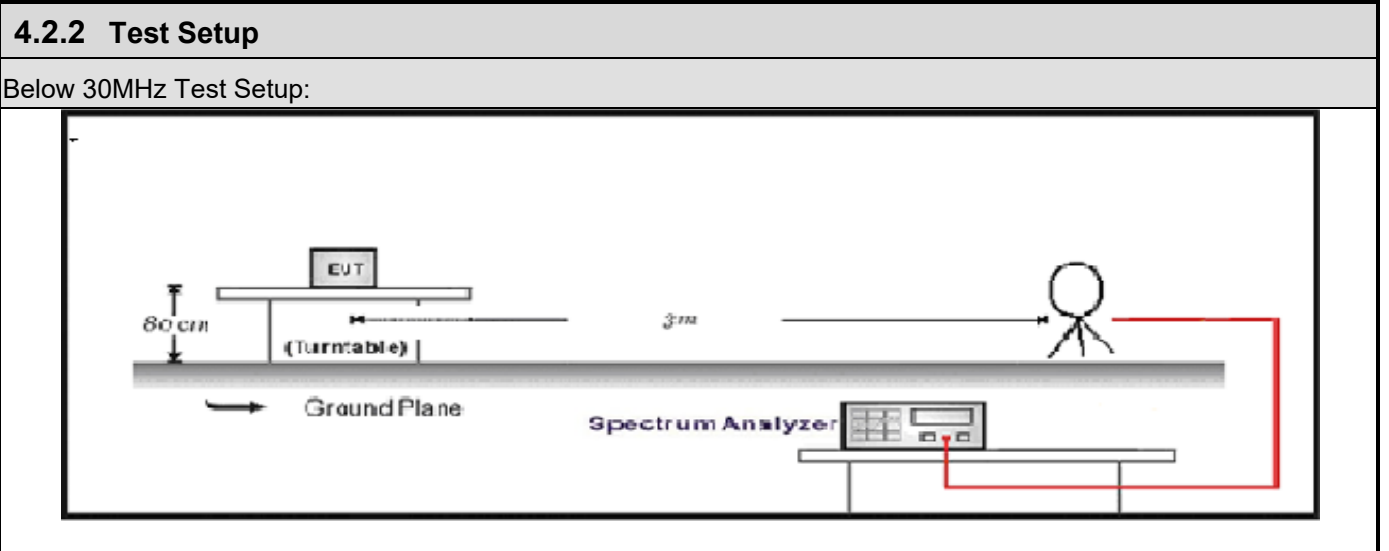
FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)

Frequency (MHz)	Field strength (μV/m)	Field strength (dB μV/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)

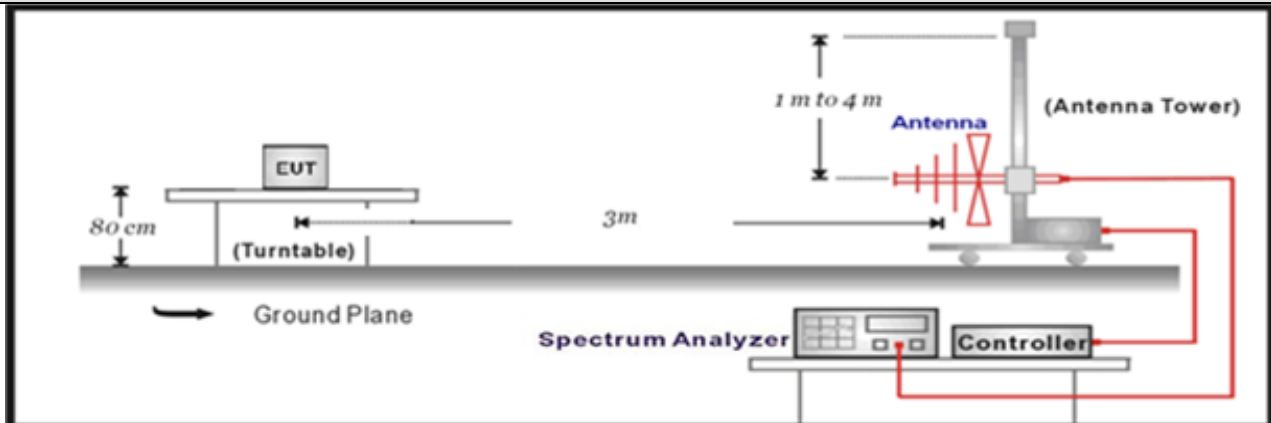
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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).

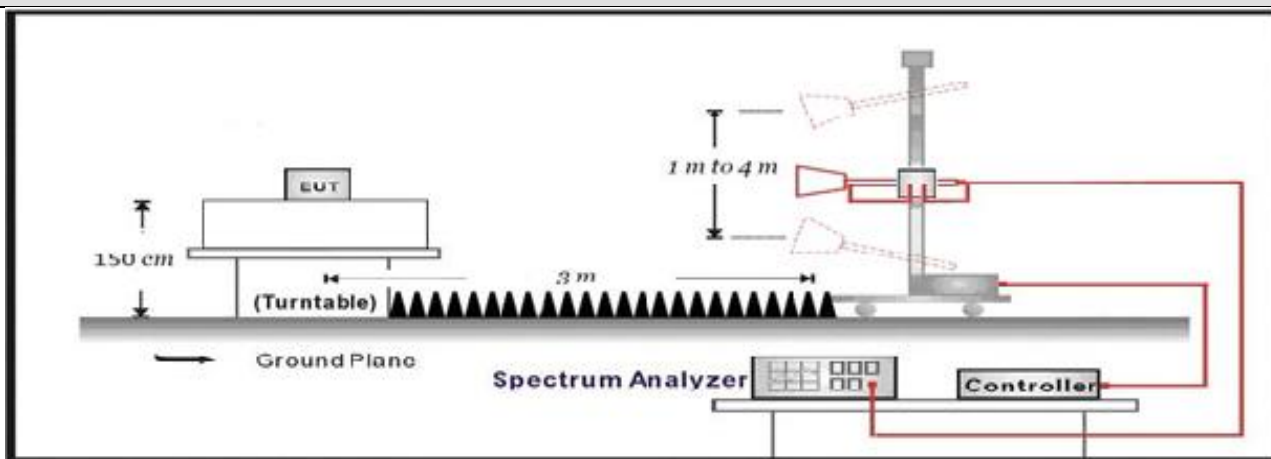
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850		



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.2.3 Test Procedure

Test Method			
	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

4.3 Emission bandwidth

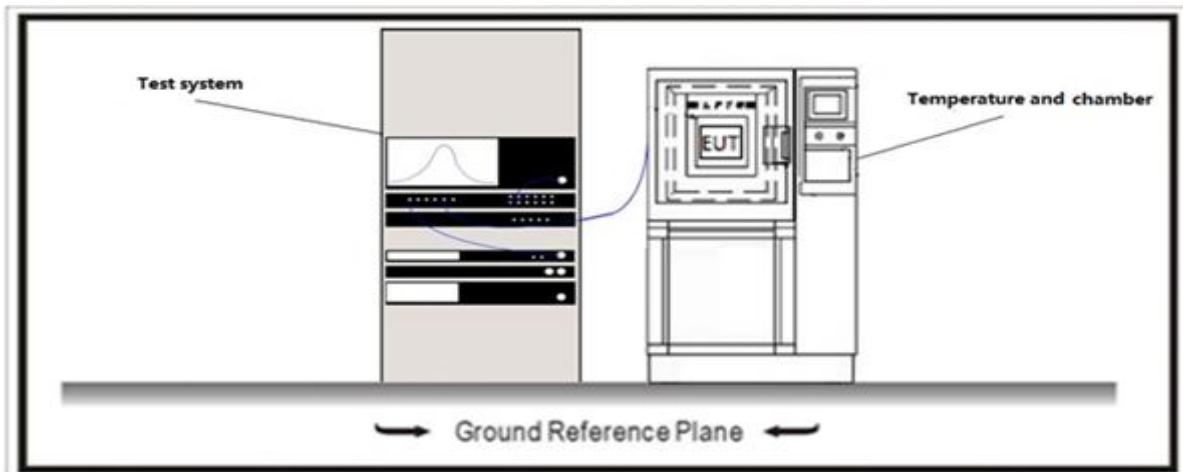
VERDICT: PASS

4.3.1 Limit

Standard FCC CFR Title 47 Part 15 Subpart E: Section 15.407

Within the Frequency band.

4.3.2 Test Setup



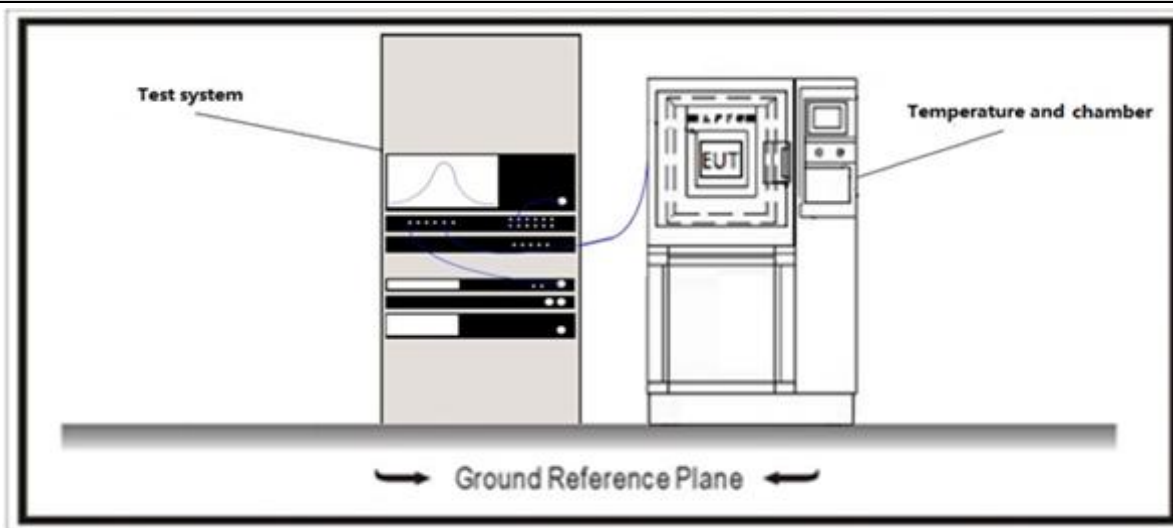
4.3.3 Test Procedure

Test Method

	References Rule	Chapter	Description
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
☒	FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
☐	FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☒	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

4.4 6dB bandwidth**VERDICT: PASS****4.4.1 Limit****Standard**

FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e)

6dB Bandwith $\geq 500\text{KHz}$ **4.4.2 Test Setup****4.4.3 Test Procedure****Test Method**

	References Rule	Chapter	Description
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
☐	FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
☒	FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☐	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

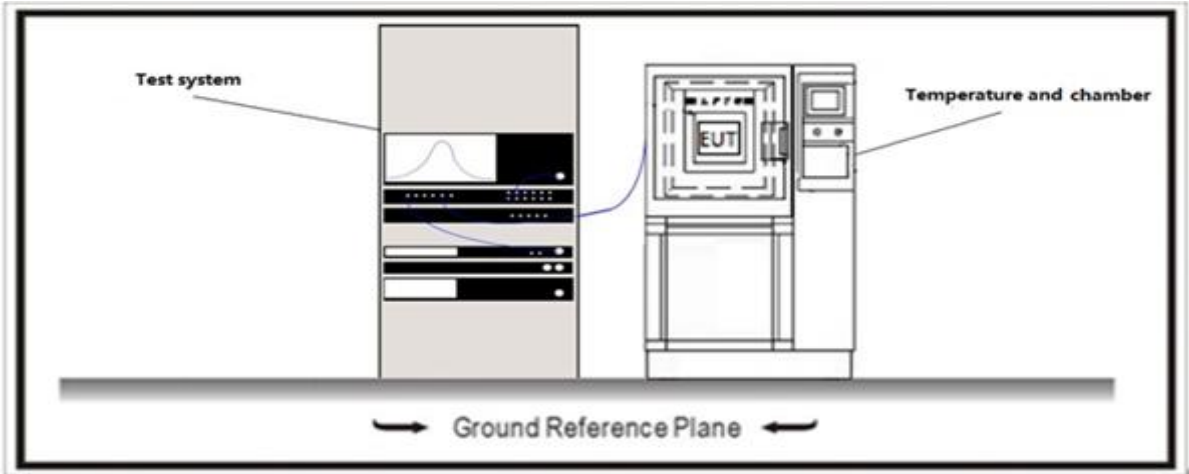
4.5 Duty cycle

VERDICT: PASS

4.5.1 Limit

N/A

4.5.2 Test Setup



4.5.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

4.6 Power Output

VERDICT: PASS

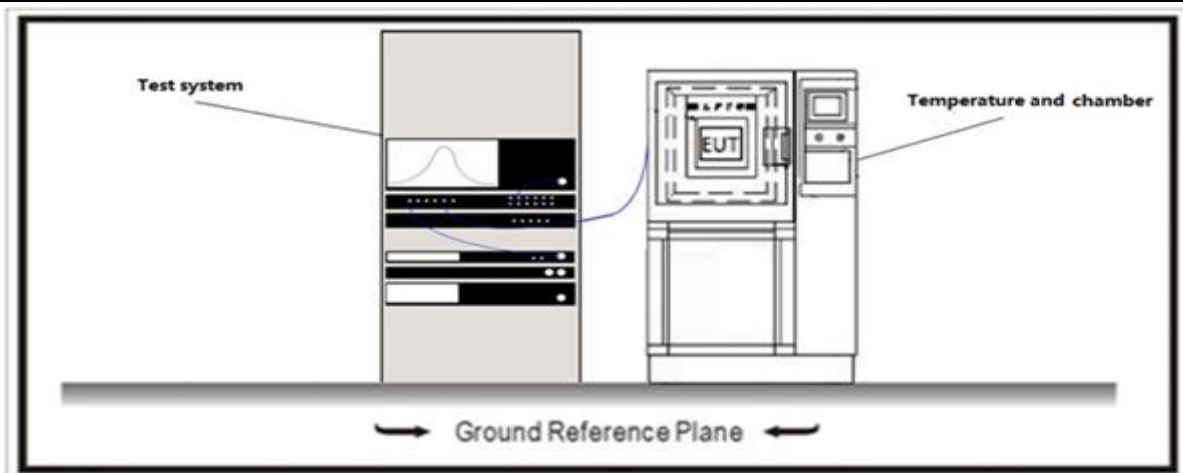
4.6.1 Limit

Standard		FCC Part 15 Subpart E Paragraph 15.407 (a)
☒	For the band 5.15-5.25 GHz	
☐	Outdoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$ and $\leq 125\text{mW}$ at any angle above 30 degrees	
☐	Indoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$	
☐	Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 23\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 23)$	
☒	Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 24 - (G_{TX} - 6)$	
☐	For the band 5.25-5.35 GHz:	
☐	The maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq (\text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \log B) - (G_{TX} - 6)$	
☐	For the 5.47-5.725 GHz:	
☐	The maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq (\text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \log B) - (G_{TX} - 6)$	
☒	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 $G_{TX} > 6 \text{ dBi}$, 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 .

4.6.2 Test Setup

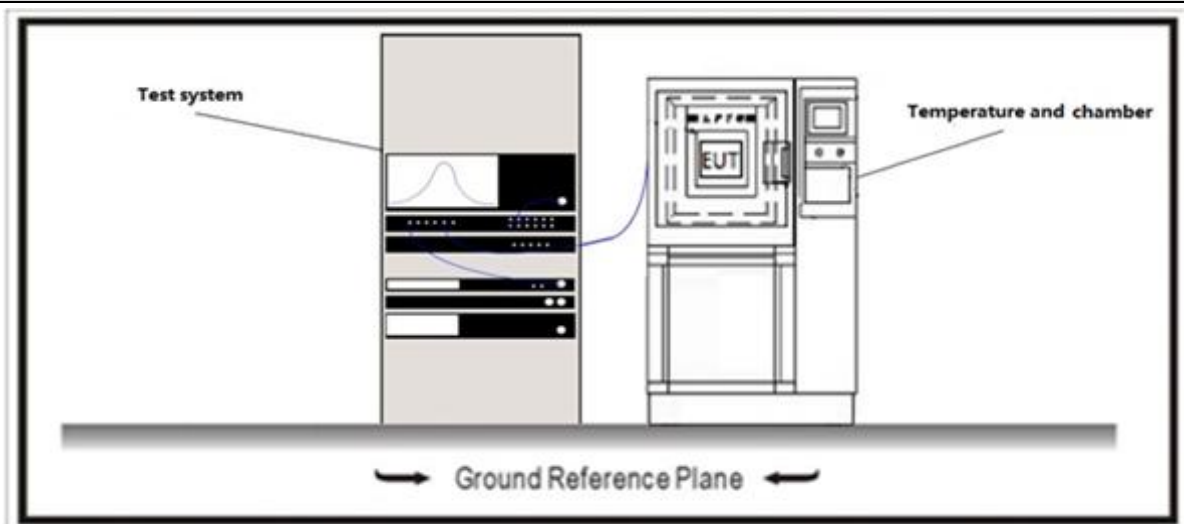


4.6.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		12.3	Maximum conducted output power
	☒	ANSI C63.10		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

4.7 Maximum Power Spectral Density**VERDICT: PASS****4.7.1 Limit**

Standard		FCC Part 15 Subpart E Paragraph 15.407 (a)
☒	For the band 5.15-5.25 GHz	
☐	Outdoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 17 - (G_{TX} - 6)$	
☐	Indoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 17 - (G_{TX} - 6)$	
☐	Fixed point-to-point access points: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 23\text{dBi}$, then $P_{out} \leq 17 - (G_{TX} - 23)$	
☒	Mobile and portable client devices: the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 11 - (G_{TX} - 6)$	
☐	For the 5.25-5.35 GHz:	
☐	The maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 11 - (G_{TX} - 6)$	
☐	For the 5.47-5.725 GHz:	
☐	The maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 11 - (G_{TX} - 6)$	
☒	For the band 5.725-5.85 GHz:	
☒	The maximum power spectral density shall not exceed 30 dBm/500KHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$	
Note 1 : G_{TX} directional gain of transmitting antennas.		
Note 2 : P_{out} is maximum conducted output power .		

4.7.2 Test Setup

4.7.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	12.5	Peak power spectral density
☒	FCC KDB 789033 D02v02r01	F	Maximum Power Spectral Density (PSD)

4.8 Radiated Emission Band Edge**VERDICT: PASS****4.8.1 Limit****Standard** FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

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 MHz.²Above 38.6**FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)**

Frequency (MHz)	Field strength (μV/m)	Field strength (dB μV/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)

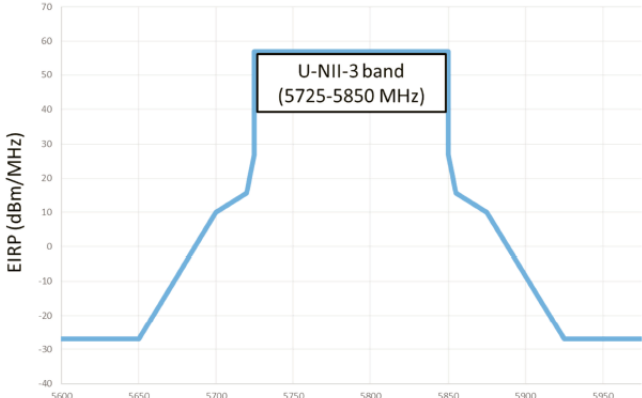
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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.

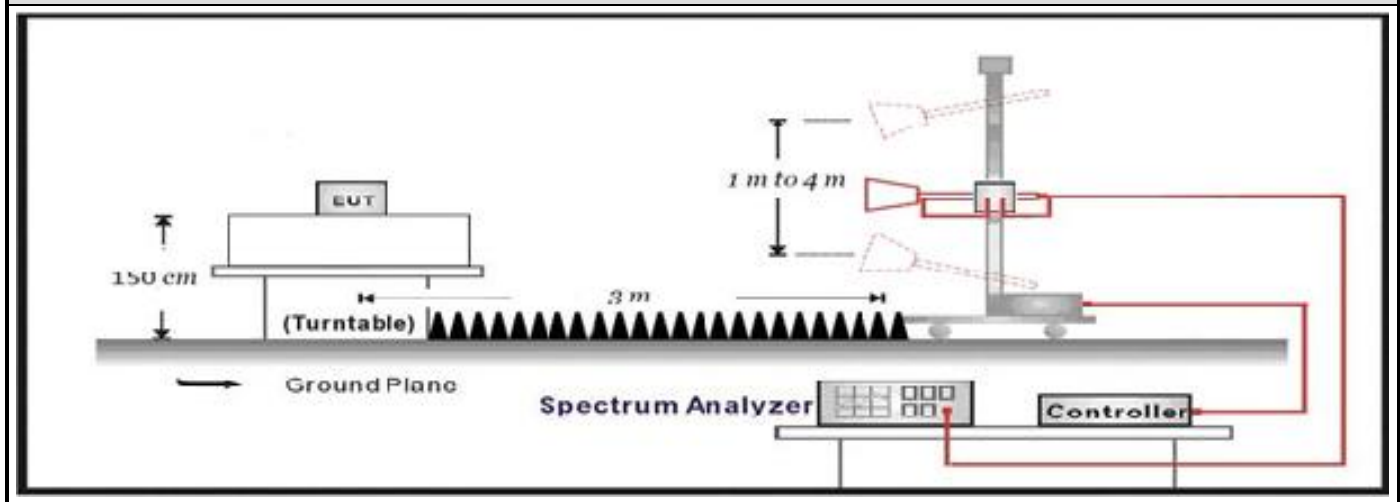
Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified 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		

4.8.2 Test Setup

Above 1GHz Test Setup:



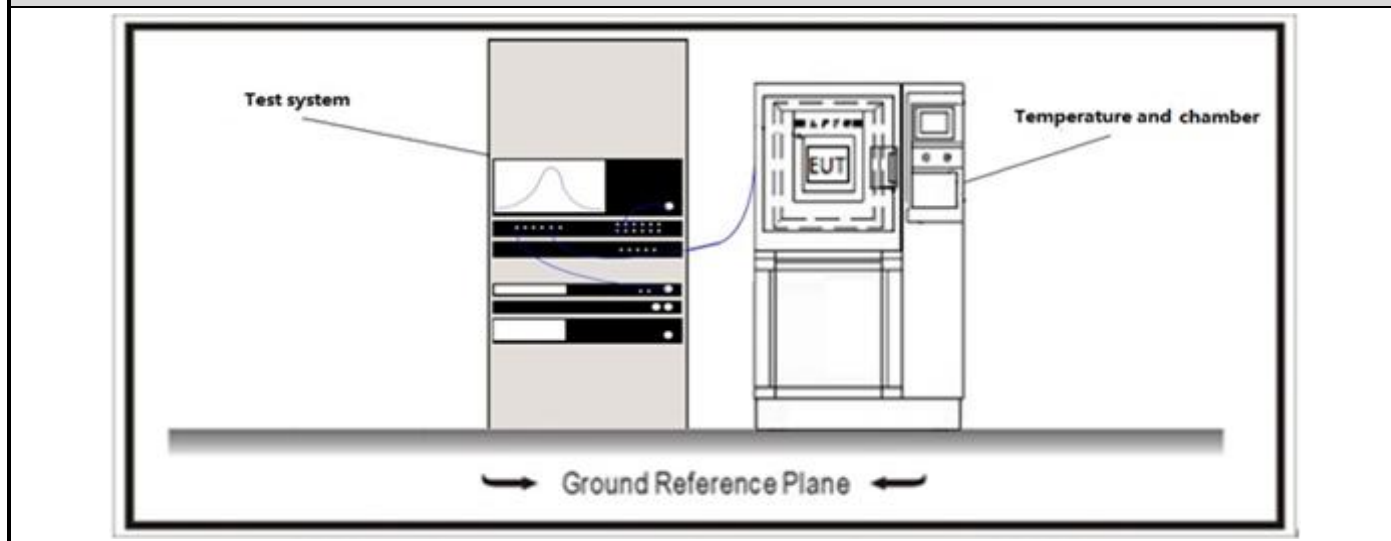
4.8.3 Test Procedure

	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)

4.9 Frequency Stability**VERDICT: PASS****4.9.1 Limit:**

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

4.9.2 Test Setup**4.9.3 Test Procedure**

	References Rule		Chapter	Description
☒	ANSI C63.10		6.8	Frequency stability tests
	☒	ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
	☒	ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

4.10 Antenna Requirement**VERDICT: PASS****4.10.1 Limit:**

Standard	FCC Part 15 Subpart C Paragraph 15.203;
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	

4.10.2 Antenna Connector Construction:

☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	

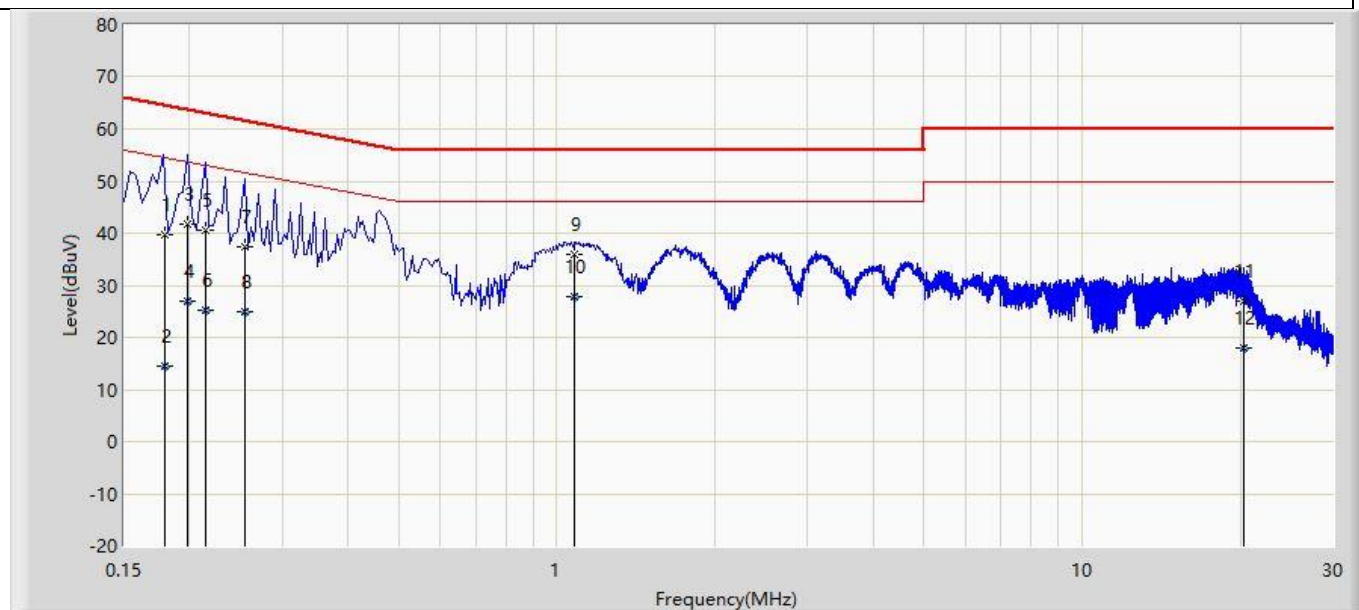
5 TEST SETUP PHOTO AND EUT PHOTO

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

6 TEST RESULT

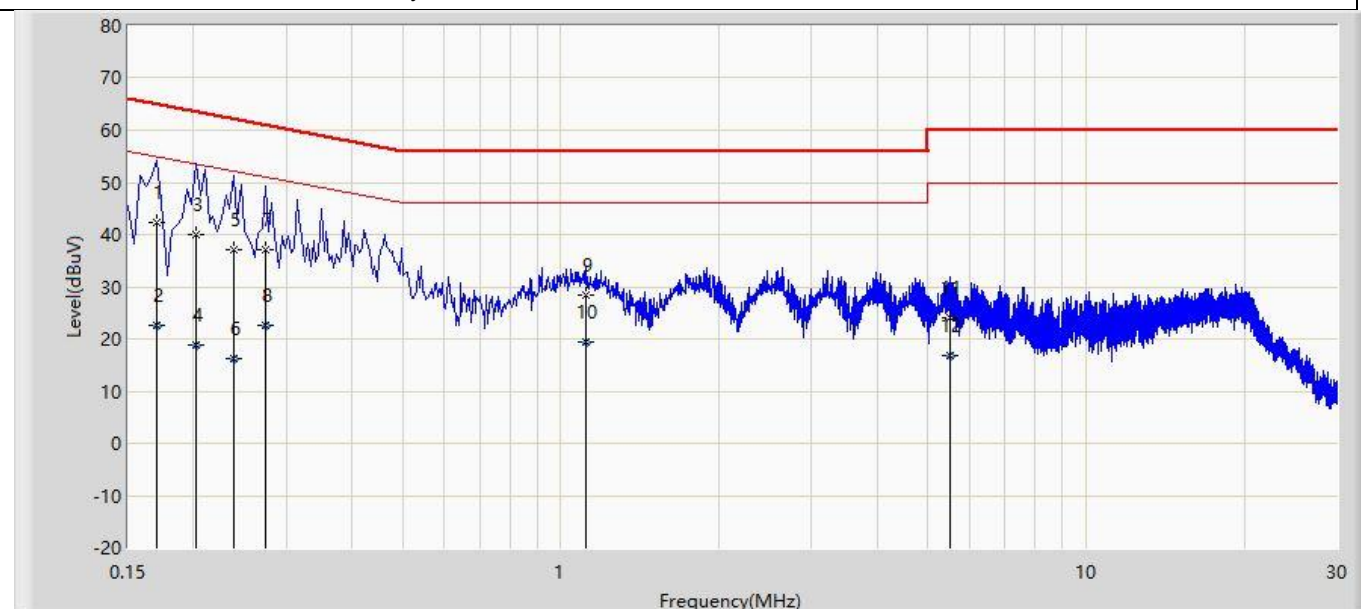
Appendix A: AC Power Line Conducted Emissions

Profile: 2530770R	Page No.: 5
Site: TR1	Time: 2025/04/18 - 22:23
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: Mode 3:Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.179	39.640	29.941	-24.913	64.554	9.699	QP
2		0.179	14.507	4.807	-40.047	54.554	9.699	AV
3		0.198	41.875	32.179	-21.819	63.694	9.696	QP
4		0.198	27.082	17.386	-26.612	53.694	9.696	AV
5		0.214	40.446	30.750	-22.602	63.049	9.696	QP
6		0.214	25.358	15.661	-27.691	53.049	9.696	AV
7		0.254	37.439	27.736	-24.186	61.625	9.703	QP
8		0.254	24.969	15.266	-26.656	51.625	9.703	AV
9		1.078	35.931	26.176	-20.069	56.000	9.755	QP
10	*	1.078	27.957	18.203	-18.043	46.000	9.755	AV
11		20.266	26.986	16.431	-33.014	60.000	10.555	QP
12		20.266	17.943	7.387	-32.057	50.000	10.555	AV

Profile: 2530770R	Page No.: 6
Site: TR1	Time: 2025/04/18 - 22:44
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: Mode 3:Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.170	42.394	32.678	-22.566	64.960	9.717	QP
2		0.170	22.515	12.798	-32.446	54.960	9.717	AV
3		0.202	40.101	30.413	-23.427	63.528	9.688	QP
4		0.202	18.882	9.194	-34.646	53.528	9.688	AV
5		0.238	37.004	27.328	-25.162	62.166	9.676	QP
6		0.238	16.276	6.600	-35.890	52.166	9.676	AV
7		0.274	37.173	27.502	-23.823	60.996	9.671	QP
8		0.274	22.629	12.958	-28.366	50.996	9.671	AV
9		1.118	28.431	18.700	-27.569	56.000	9.731	QP
10		1.118	19.474	9.743	-26.526	46.000	9.731	AV
11		5.494	23.942	14.075	-36.058	60.000	9.867	QP
12		5.494	16.846	6.979	-33.154	50.000	9.867	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

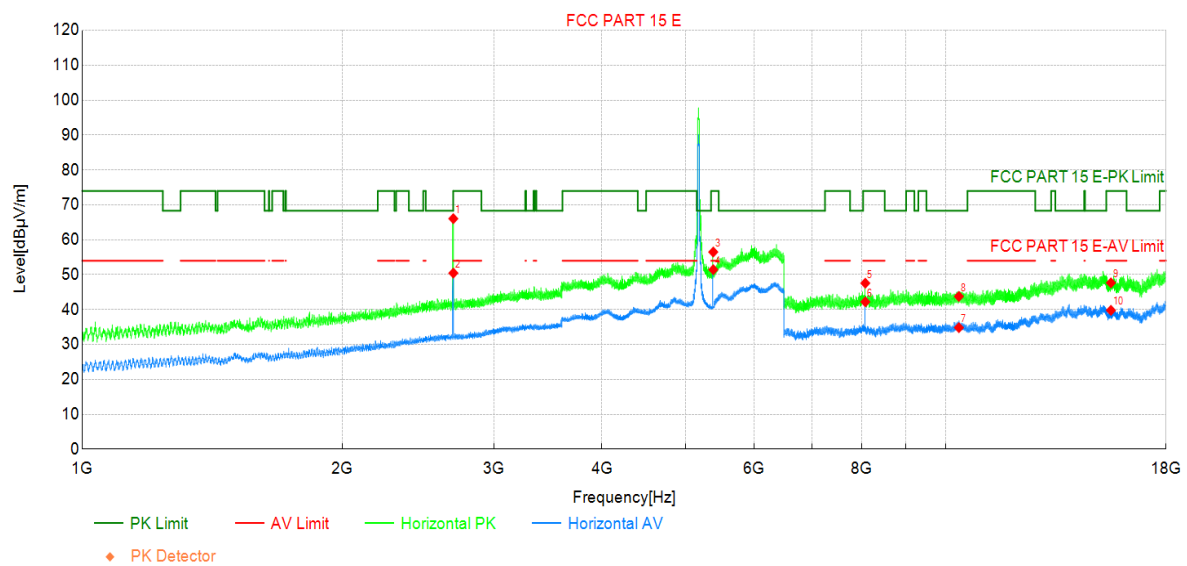
Appendix B: Radiated Emission

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5180MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃ ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

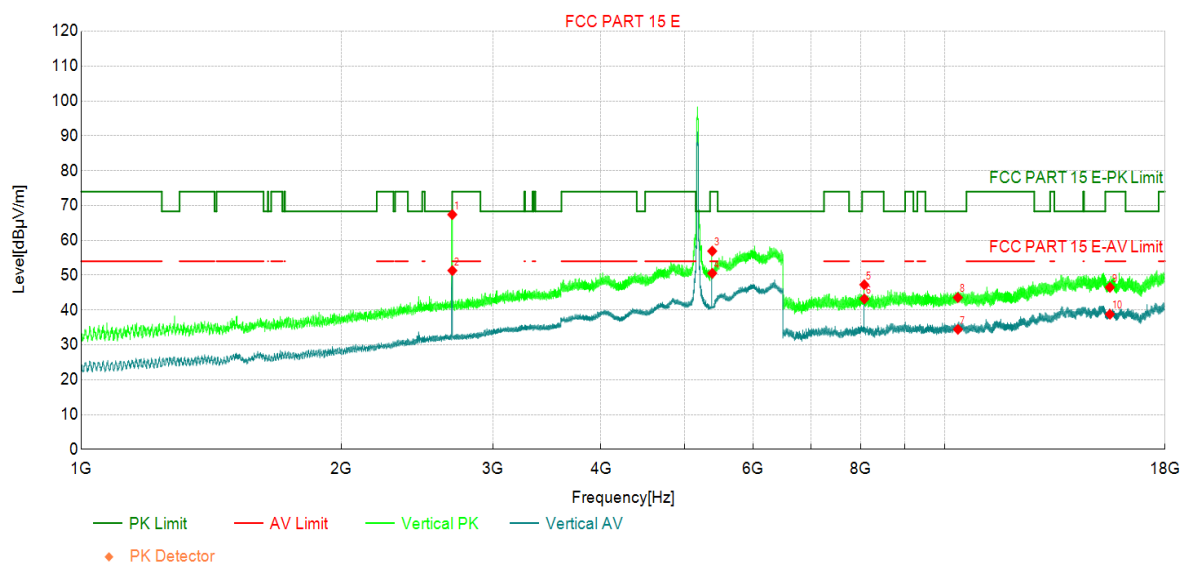
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.12	66.05	4.93	74.00	7.95	PK	Horizo	PASS
2	2691.04	45.53	50.46	4.93	54.00	3.54	AV	Horizo	PASS
3	5381.38	40.81	56.49	15.68	74.00	17.51	PK	Horizo	PASS
4	5381.81	35.76	51.44	15.68	54.00	2.56	AV	Horizo	PASS
5	8072.15	43.53	47.55	4.02	74.00	26.45	PK	Horizo	PASS
6	8072.63	38.18	42.20	4.02	54.00	11.80	AV	Horizo	PASS
7	10360.00	28.24	34.82	6.58	-	-	AV	Horizo	NA
8	10360.00	37.18	43.76	6.58	68.30	24.54	PK	Horizo	PASS
9	15540.00	33.75	47.65	13.90	74.00	26.35	PK	Horizo	PASS
10	15540.00	25.87	39.77	13.90	54.00	14.23	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5180MHz by 802.11a	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

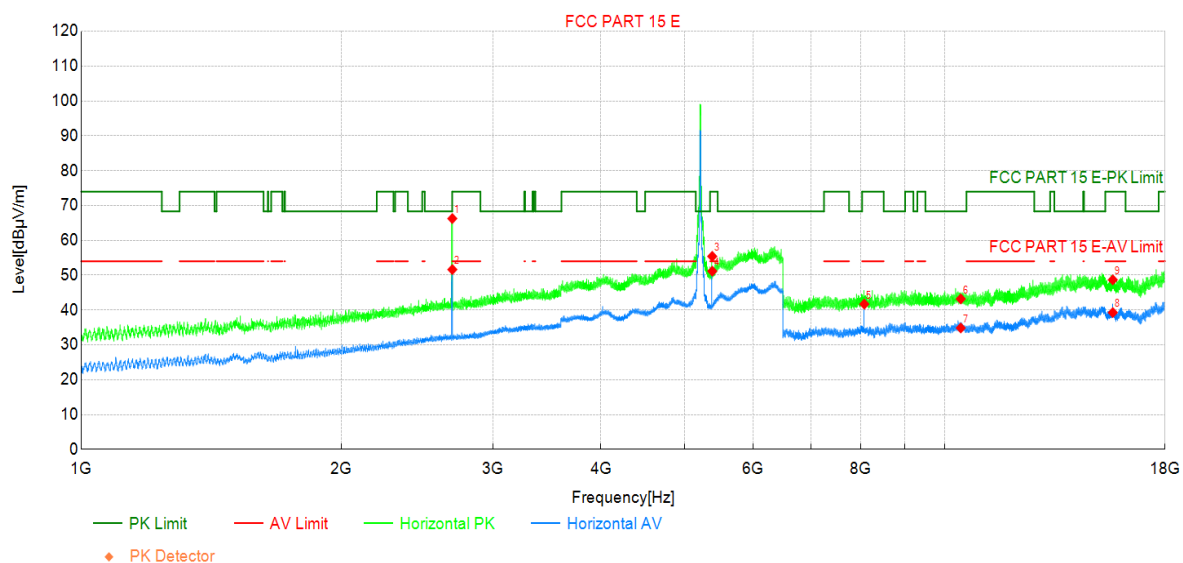
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.46	67.39	4.93	74.00	6.61	PK	Vertic	PASS
2	2691.04	46.39	51.32	4.93	54.00	2.68	AV	Vertic	PASS
3	5381.38	41.23	56.91	15.68	74.00	17.09	PK	Vertic	PASS
4	5381.81	34.88	50.56	15.68	54.00	3.44	AV	Vertic	PASS
5	8072.15	43.26	47.28	4.02	74.00	26.72	PK	Vertic	PASS
6	8072.63	39.17	43.19	4.02	54.00	10.81	AV	Vertic	PASS
7	10360.00	27.86	34.44	6.58	-	-	AV	Vertic	NA
8	10360.00	37.00	43.58	6.58	68.30	24.72	PK	Vertic	PASS
9	15540.00	32.61	46.51	13.90	74.00	27.49	PK	Vertic	PASS
10	15540.00	24.89	38.79	13.90	54.00	15.21	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5220MHz by 802.11a	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

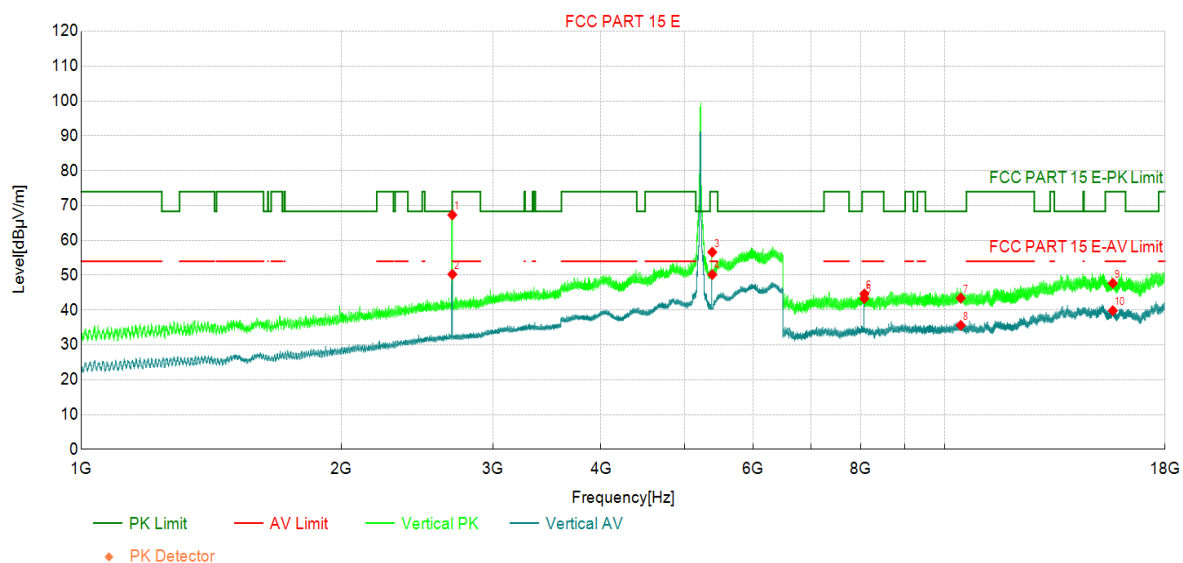
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.32	66.25	4.93	74.00	7.75	PK	Horizo	PASS
2	2691.04	46.69	51.62	4.93	54.00	2.38	AV	Horizo	PASS
3	5380.96	39.73	55.40	15.67	74.00	18.60	PK	Horizo	PASS
4	5381.81	35.48	51.16	15.68	54.00	2.84	AV	Horizo	PASS
5	8072.15	37.67	41.69	4.02	54.00	12.31	AV	Horizo	PASS
6	10440.00	36.55	43.19	6.64	68.30	25.11	PK	Horizo	PASS
7	10440.00	28.20	34.84	6.64	-	-	AV	Horizo	NA
8	15660.00	25.18	39.27	14.09	54.00	14.73	AV	Horizo	PASS
9	15660.00	34.58	48.67	14.09	74.00	25.33	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5220MHz by 802.11a	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

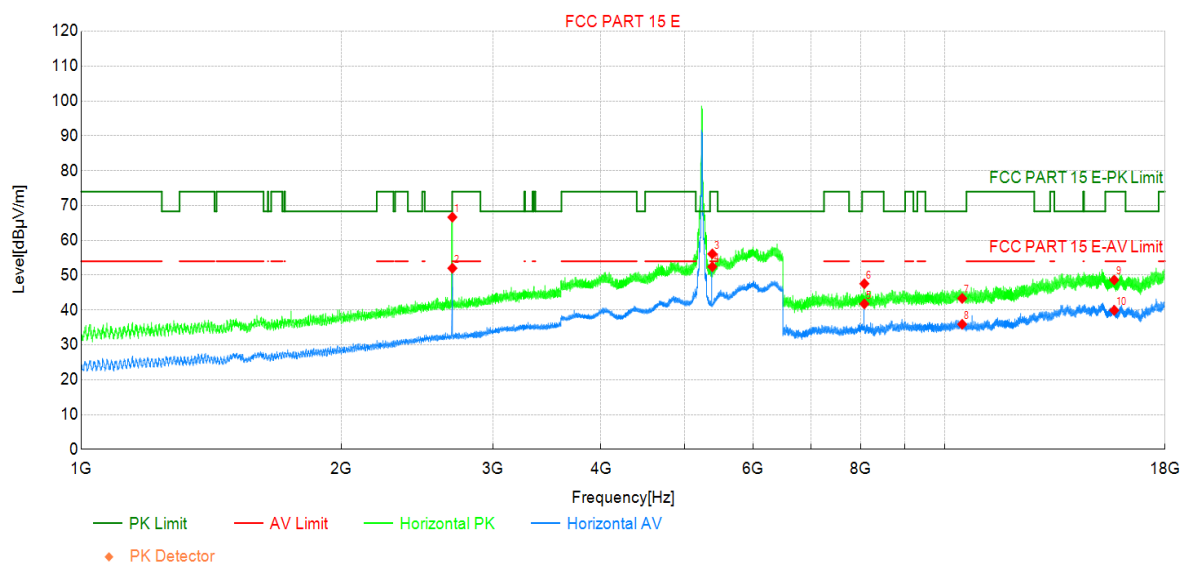
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.36	67.29	4.93	74.00	6.71	PK	Vertic	PASS
2	2691.04	45.32	50.25	4.93	54.00	3.75	AV	Vertic	PASS
3	5381.38	40.92	56.60	15.68	74.00	17.40	PK	Vertic	PASS
4	5381.81	34.49	50.17	15.68	54.00	3.83	AV	Vertic	PASS
5	8072.15	39.27	43.29	4.02	54.00	10.71	AV	Vertic	PASS
6	8074.06	40.60	44.61	4.01	74.00	29.39	PK	Vertic	PASS
7	10440.00	36.78	43.42	6.64	68.30	24.88	PK	Vertic	PASS
8	10440.00	28.97	35.61	6.64	-	-	AV	Vertic	NA
9	15660.00	33.59	47.68	14.09	74.00	26.32	PK	Vertic	PASS
10	15660.00	25.73	39.82	14.09	54.00	14.18	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5240MHz by 802.11a	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

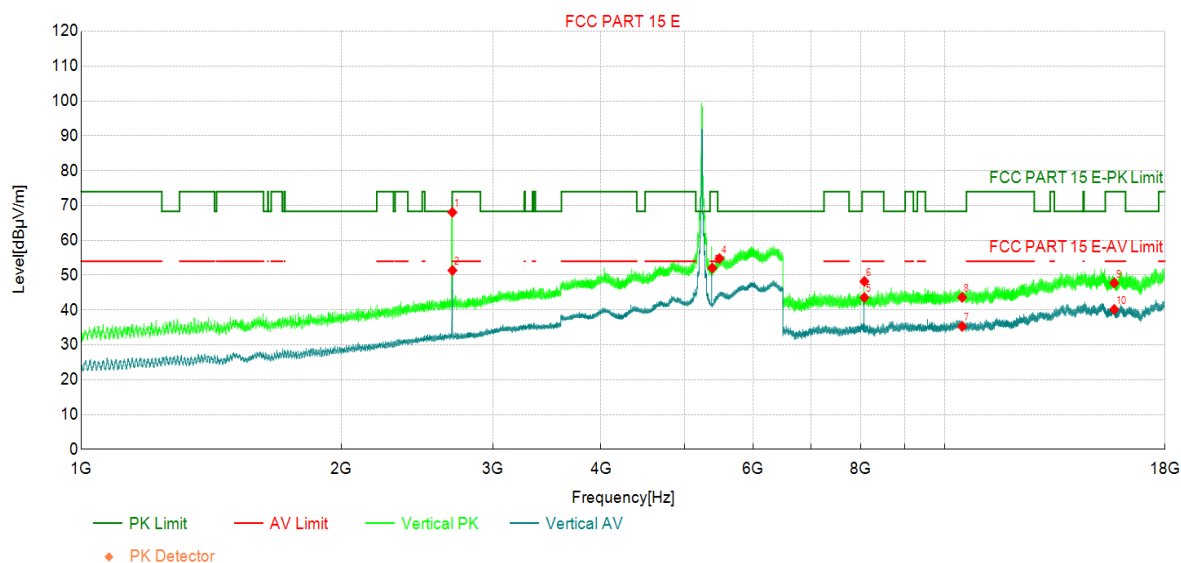
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	61.72	66.65	4.93	74.00	7.35	PK	Horizo	PASS
2	2691.46	47.06	51.99	4.93	54.00	2.01	AV	Horizo	PASS
3	5382.23	40.43	56.10	15.67	74.00	17.90	PK	Horizo	PASS
4	5382.65	36.76	52.43	15.67	54.00	1.57	AV	Horizo	PASS
5	8073.58	37.76	41.77	4.01	54.00	12.23	AV	Horizo	PASS
6	8073.58	43.54	47.55	4.01	74.00	26.45	PK	Horizo	PASS
7	10480.00	36.64	43.35	6.71	68.30	24.95	PK	Horizo	PASS
8	10480.00	29.20	35.91	6.71	-	-	AV	Horizo	NA
9	15720.00	34.20	48.61	14.41	74.00	25.39	PK	Horizo	PASS
10	15720.00	25.51	39.92	14.41	54.00	14.08	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5240MHz by 802.11a	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

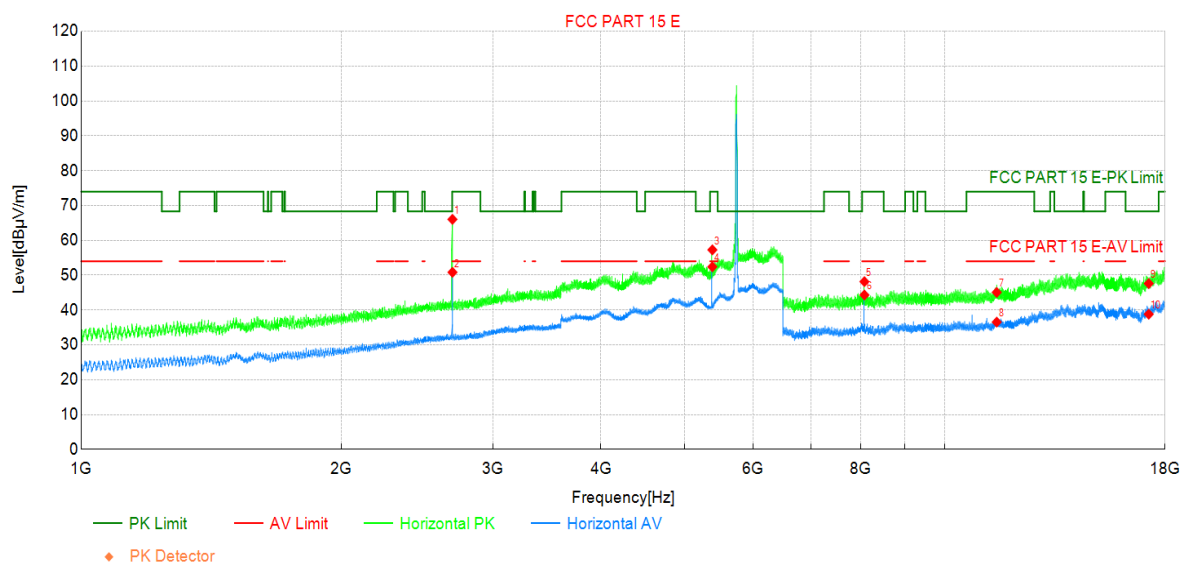
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.11	68.04	4.93	74.00	5.96	PK	Vertic	PASS
2	2691.46	46.45	51.38	4.93	54.00	2.62	AV	Vertic	PASS
3	5382.65	36.39	52.06	15.67	54.00	1.94	AV	Vertic	PASS
4	5486.31	38.14	54.78	16.64	68.30	13.52	PK	Vertic	PASS
5	8073.58	39.58	43.59	4.01	54.00	10.41	AV	Vertic	PASS
6	8073.58	44.20	48.21	4.01	74.00	25.79	PK	Vertic	PASS
7	10480.00	28.58	35.29	6.71	-	-	AV	Vertic	NA
8	10480.00	36.91	43.62	6.71	68.30	24.68	PK	Vertic	PASS
9	15720.00	33.34	47.75	14.41	74.00	26.25	PK	Vertic	PASS
10	15720.00	25.76	40.17	14.41	54.00	13.83	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5745MHz by 802.11a	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

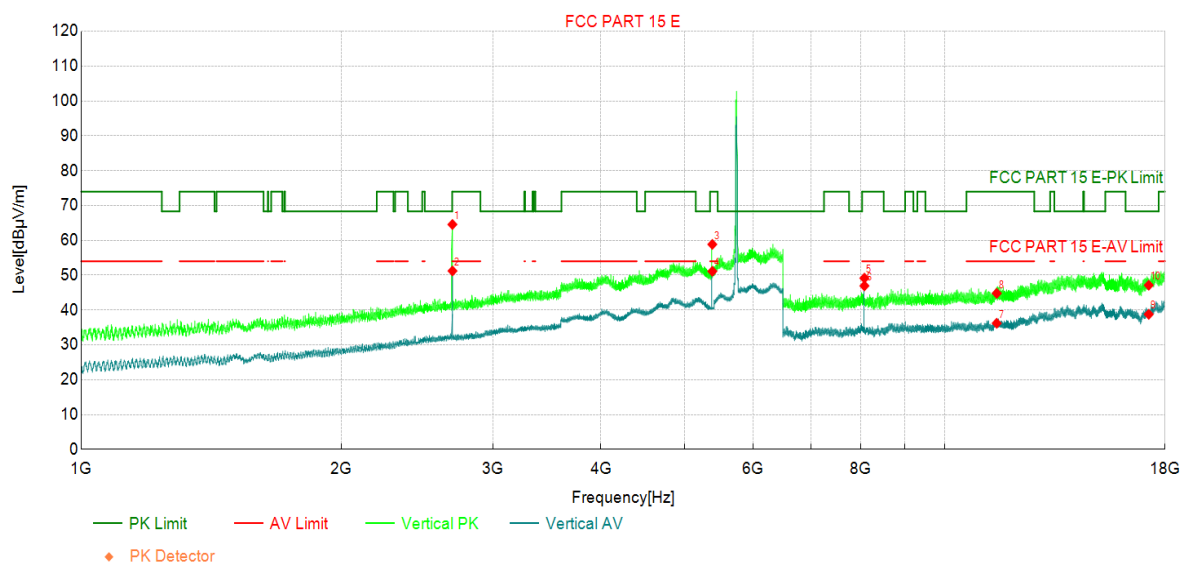
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.46	61.09	66.02	4.93	74.00	7.98	PK	Horizo	PASS
2	2691.88	45.89	50.82	4.93	54.00	3.18	AV	Horizo	PASS
3	5383.08	41.60	57.27	15.67	74.00	16.73	PK	Horizo	PASS
4	5383.08	36.74	52.41	15.67	54.00	1.59	AV	Horizo	PASS
5	8074.06	44.14	48.15	4.01	74.00	25.85	PK	Horizo	PASS
6	8074.54	40.30	44.31	4.01	54.00	9.69	AV	Horizo	PASS
7	11490.00	36.68	45.06	8.38	74.00	28.94	PK	Horizo	PASS
8	11490.00	28.15	36.53	8.38	54.00	17.47	AV	Horizo	PASS
9	17235.00	32.14	47.60	15.46	68.30	20.70	PK	Horizo	PASS
10	17235.00	23.34	38.80	15.46	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5745MHz by 802.11a	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

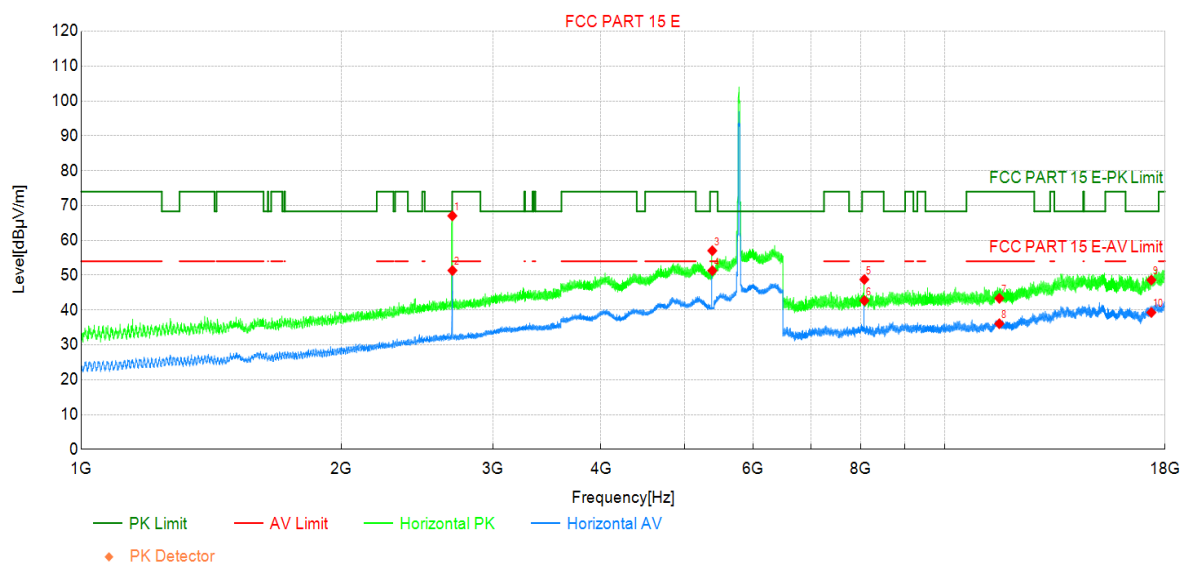
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.46	59.63	64.56	4.93	74.00	9.44	PK	Vertic	PASS
2	2691.88	46.29	51.22	4.93	54.00	2.78	AV	Vertic	PASS
3	5382.65	43.17	58.84	15.67	74.00	15.16	PK	Vertic	PASS
4	5383.08	35.45	51.12	15.67	54.00	2.88	AV	Vertic	PASS
5	8074.06	45.13	49.14	4.01	74.00	24.86	PK	Vertic	PASS
6	8074.54	42.92	46.93	4.01	54.00	7.07	AV	Vertic	PASS
7	11490.00	27.82	36.20	8.38	54.00	17.80	AV	Vertic	PASS
8	11490.00	36.41	44.79	8.38	74.00	29.21	PK	Vertic	PASS
9	17235.00	23.31	38.77	15.46	-	-	AV	Vertic	NA
10	17235.00	31.65	47.11	15.46	68.30	21.19	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5785MHz by 802.11a	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

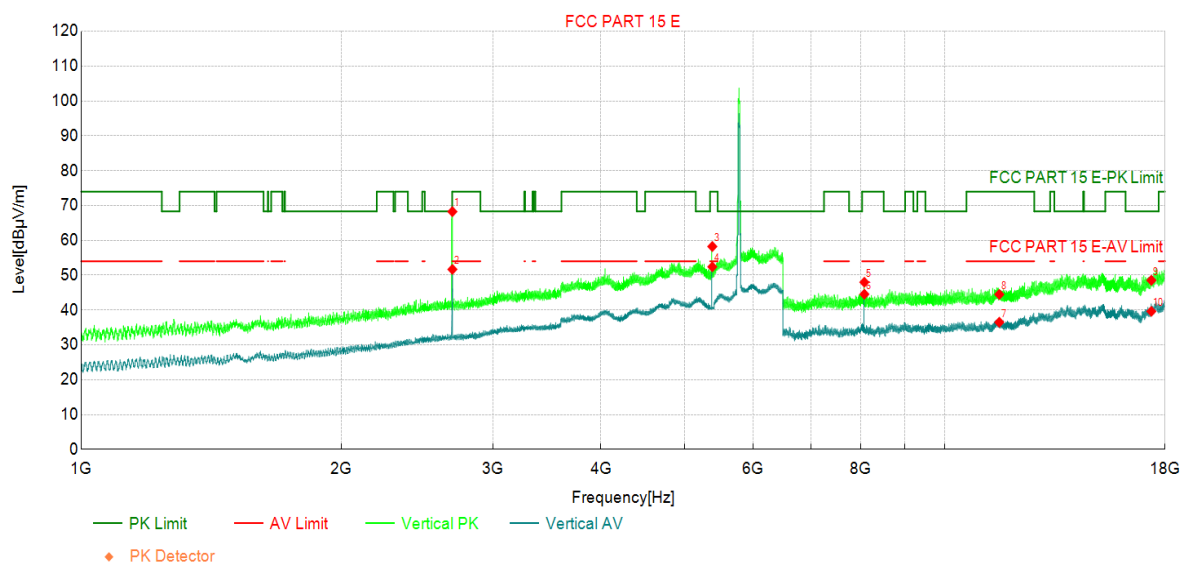
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	62.10	67.03	4.93	74.00	6.97	PK	Horizo	PASS
2	2691.46	46.41	51.34	4.93	54.00	2.66	AV	Horizo	PASS
3	5382.23	41.36	57.03	15.67	74.00	16.97	PK	Horizo	PASS
4	5382.65	35.64	51.31	15.67	54.00	2.69	AV	Horizo	PASS
5	8073.10	44.74	48.76	4.02	74.00	25.24	PK	Horizo	PASS
6	8073.58	38.69	42.70	4.01	54.00	11.30	AV	Horizo	PASS
7	11570.00	34.67	43.35	8.68	74.00	30.65	PK	Horizo	PASS
8	11570.00	27.39	36.07	8.68	54.00	17.93	AV	Horizo	PASS
9	17355.00	32.39	48.61	16.22	68.30	19.69	PK	Horizo	PASS
10	17355.00	23.07	39.29	16.22	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5785MHz by 802.11a	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

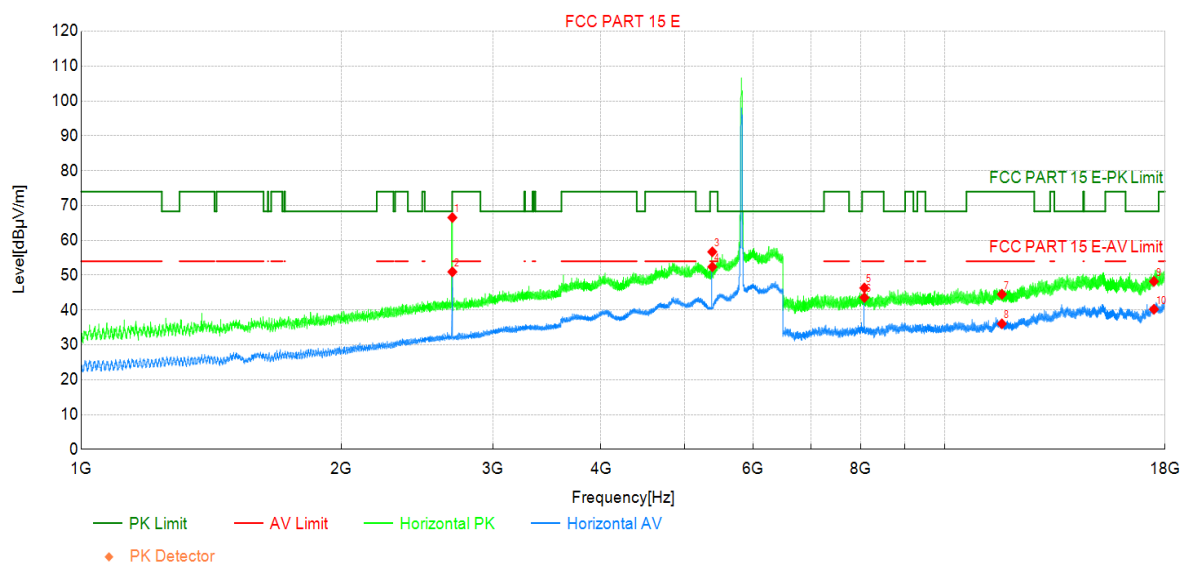
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.31	68.24	4.93	74.00	5.76	PK	Vertic	PASS
2	2691.46	46.74	51.67	4.93	54.00	2.33	AV	Vertic	PASS
3	5382.23	42.56	58.23	15.67	74.00	15.77	PK	Vertic	PASS
4	5382.65	36.73	52.40	15.67	54.00	1.60	AV	Vertic	PASS
5	8073.10	43.96	47.98	4.02	74.00	26.02	PK	Vertic	PASS
6	8073.58	40.52	44.53	4.01	54.00	9.47	AV	Vertic	PASS
7	11570.00	27.81	36.49	8.68	54.00	17.51	AV	Vertic	PASS
8	11570.00	35.80	44.48	8.68	74.00	29.52	PK	Vertic	PASS
9	17355.00	32.31	48.53	16.22	68.30	19.77	PK	Vertic	PASS
10	17355.00	23.40	39.62	16.22	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5825MHz by 802.11a	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

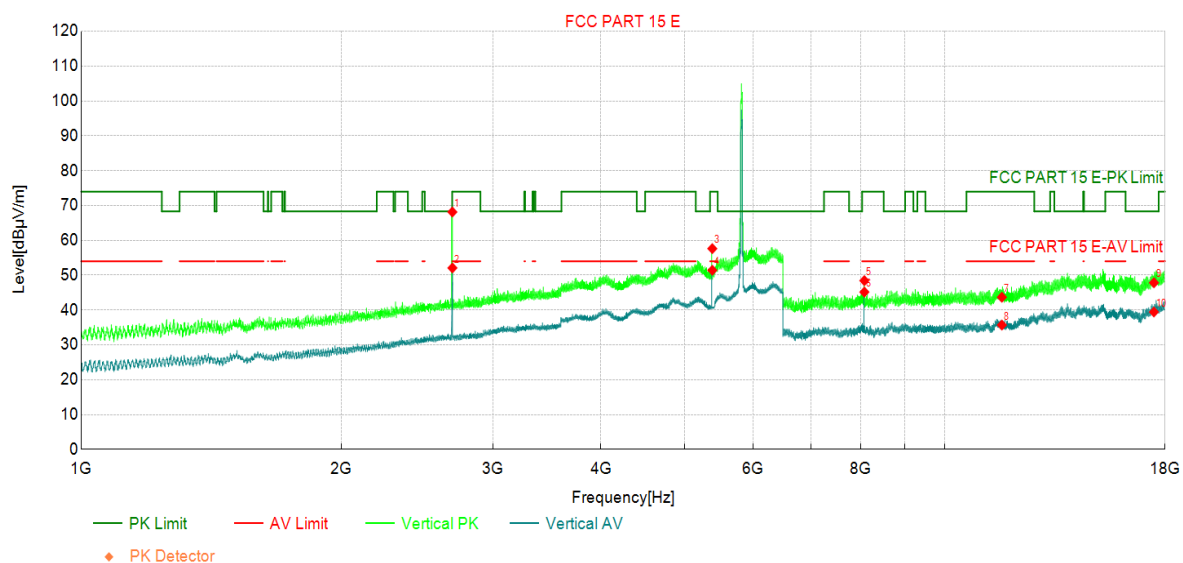
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	61.60	66.53	4.93	74.00	7.47	PK	Horizo	PASS
2	2691.46	46.02	50.95	4.93	54.00	3.05	AV	Horizo	PASS
3	5382.23	41.03	56.70	15.67	74.00	17.30	PK	Horizo	PASS
4	5382.65	36.73	52.40	15.67	54.00	1.60	AV	Horizo	PASS
5	8073.10	42.31	46.33	4.02	74.00	27.67	PK	Horizo	PASS
6	8073.58	39.56	43.57	4.01	54.00	10.43	AV	Horizo	PASS
7	11650.00	35.79	44.53	8.74	74.00	29.47	PK	Horizo	PASS
8	11650.00	27.31	36.05	8.74	54.00	17.95	AV	Horizo	PASS
9	17475.00	31.14	48.21	17.07	68.30	20.09	PK	Horizo	PASS
10	17475.00	23.14	40.21	17.07	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode1:Transmit at 5825MHz by 802.11a	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

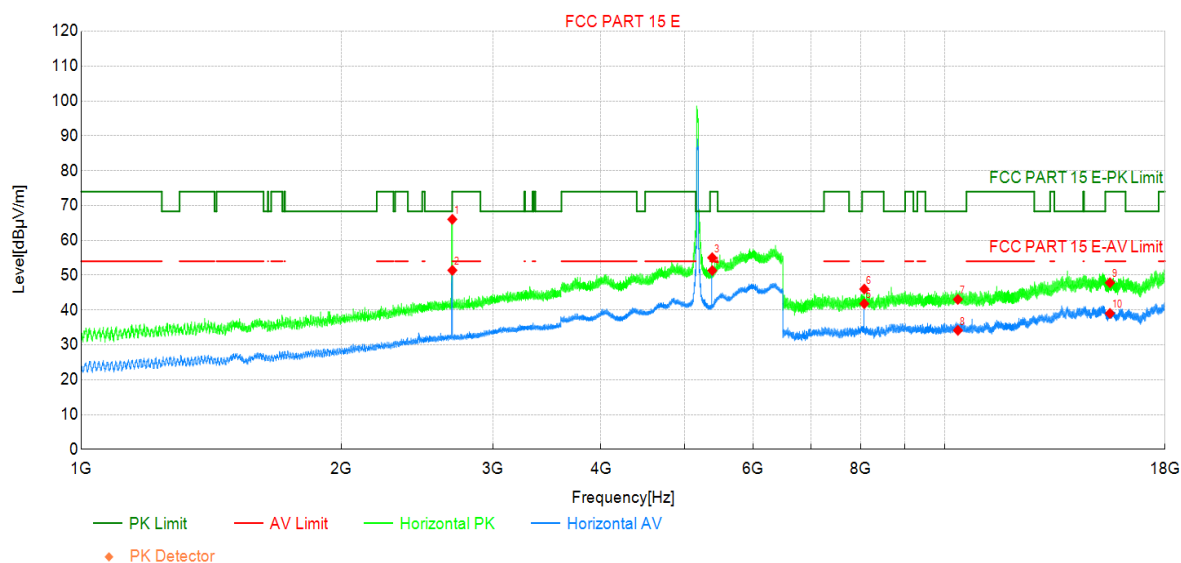
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.21	68.14	4.93	74.00	5.86	PK	Vertic	PASS
2	2691.46	47.15	52.08	4.93	54.00	1.92	AV	Vertic	PASS
3	5382.23	41.95	57.62	15.67	74.00	16.38	PK	Vertic	PASS
4	5382.65	35.75	51.42	15.67	54.00	2.58	AV	Vertic	PASS
5	8073.10	44.42	48.44	4.02	74.00	25.56	PK	Vertic	PASS
6	8073.58	41.15	45.16	4.01	54.00	8.84	AV	Vertic	PASS
7	11650.00	34.94	43.68	8.74	74.00	30.32	PK	Vertic	PASS
8	11650.00	26.95	35.69	8.74	54.00	18.31	AV	Vertic	PASS
9	17475.00	30.76	47.83	17.07	68.30	20.47	PK	Vertic	PASS
10	17475.00	22.37	39.44	17.07	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5180MHz by 802.11ax(20MHz)	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

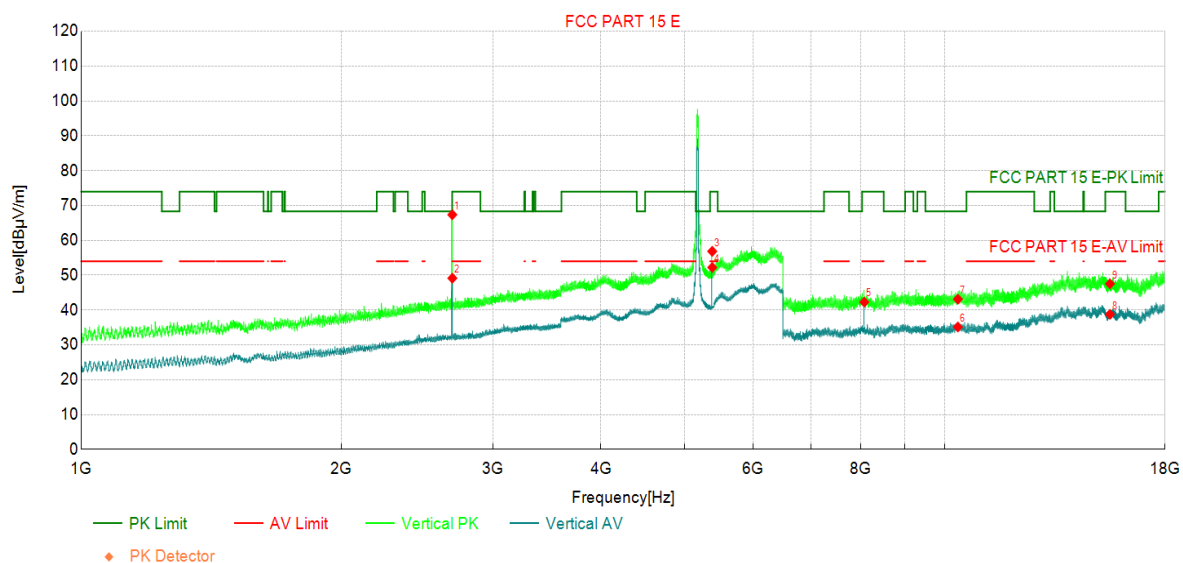
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.10	66.03	4.93	74.00	7.97	PK	Horizo	PASS
2	2691.04	46.47	51.40	4.93	54.00	2.60	AV	Horizo	PASS
3	5380.96	39.34	55.01	15.67	74.00	18.99	PK	Horizo	PASS
4	5381.81	35.66	51.34	15.68	54.00	2.66	AV	Horizo	PASS
5	8072.15	37.78	41.80	4.02	54.00	12.20	AV	Horizo	PASS
6	8072.15	41.99	46.01	4.02	74.00	27.99	PK	Horizo	PASS
7	10360.00	36.46	43.04	6.58	68.30	25.26	PK	Horizo	PASS
8	10360.00	27.58	34.16	6.58	-	-	AV	Horizo	NA
9	15540.00	33.93	47.83	13.90	74.00	26.17	PK	Horizo	PASS
10	15540.00	25.12	39.02	13.90	54.00	14.98	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5180MHz by 802.11ax(20MHz)	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

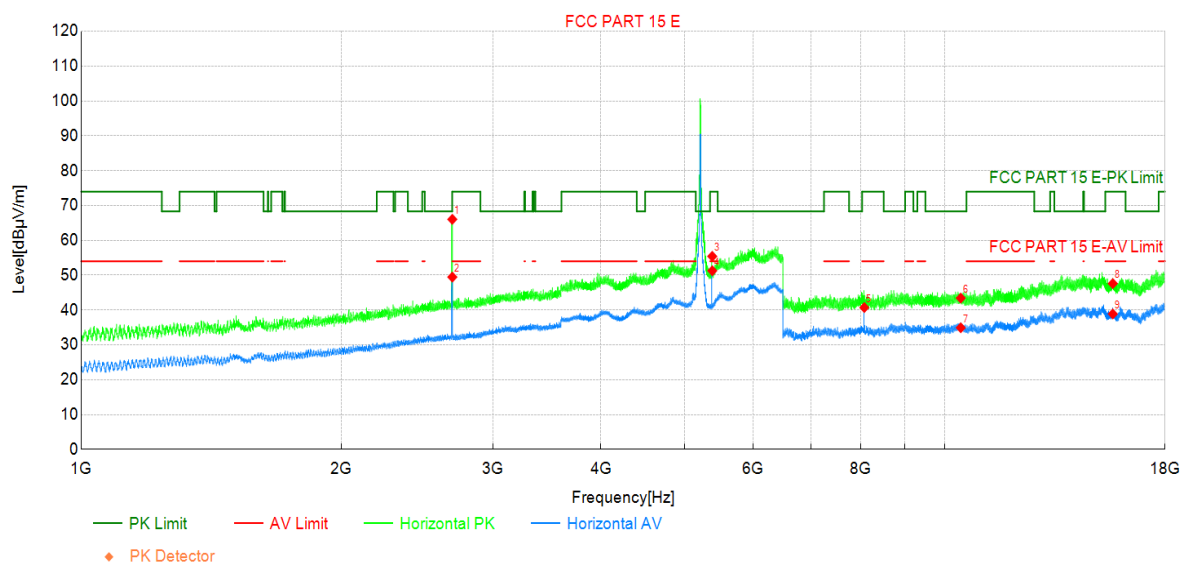
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.42	67.35	4.93	74.00	6.65	PK	Vertic	PASS
2	2691.04	44.21	49.14	4.93	54.00	4.86	AV	Vertic	PASS
3	5380.96	41.18	56.85	15.67	74.00	17.15	PK	Vertic	PASS
4	5381.81	36.54	52.22	15.68	54.00	1.78	AV	Vertic	PASS
5	8072.15	38.26	42.28	4.02	54.00	11.72	AV	Vertic	PASS
6	10360.00	28.55	35.13	6.58	-	-	AV	Vertic	NA
7	10360.00	36.54	43.12	6.58	68.30	25.18	PK	Vertic	PASS
8	15540.00	24.85	38.75	13.90	54.00	15.25	AV	Vertic	PASS
9	15540.00	33.62	47.52	13.90	74.00	26.48	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5220MHz by 802.11ax(20MHz)	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

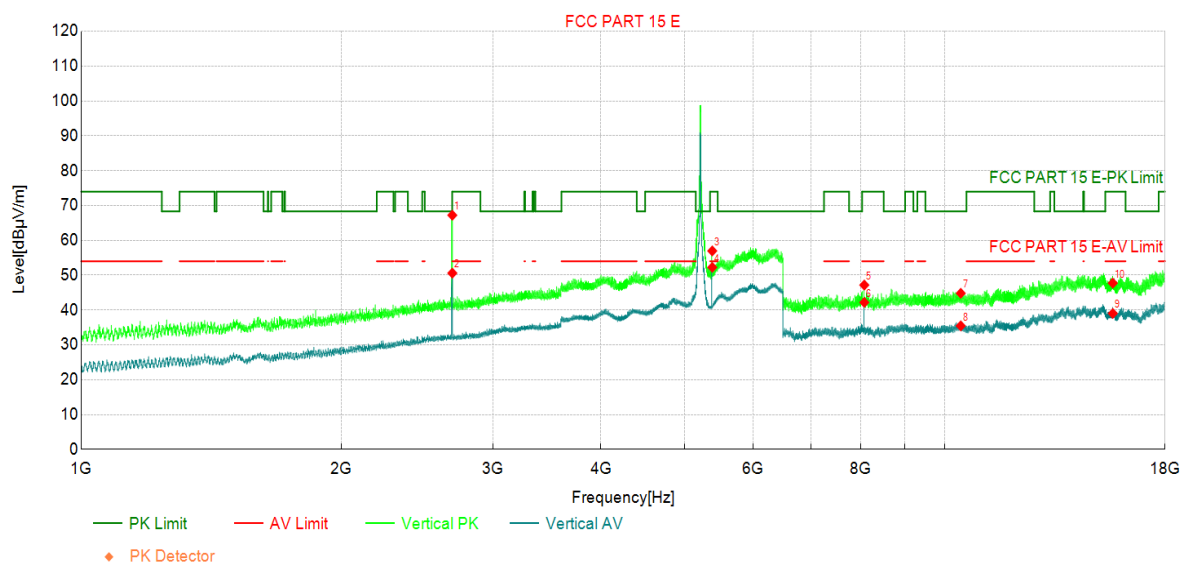
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.10	66.03	4.93	74.00	7.97	PK	Horizo	PASS
2	2691.04	44.53	49.46	4.93	54.00	4.54	AV	Horizo	PASS
3	5381.38	39.73	55.41	15.68	74.00	18.59	PK	Horizo	PASS
4	5381.81	35.60	51.28	15.68	54.00	2.72	AV	Horizo	PASS
5	8072.15	36.68	40.70	4.02	54.00	13.30	AV	Horizo	PASS
6	10440.00	36.79	43.43	6.64	68.30	24.87	PK	Horizo	PASS
7	10440.00	28.27	34.91	6.64	-	-	AV	Horizo	NA
8	15660.00	33.51	47.60	14.09	74.00	26.40	PK	Horizo	PASS
9	15660.00	24.78	38.87	14.09	54.00	15.13	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5220MHz by 802.11ax(20MHz)	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

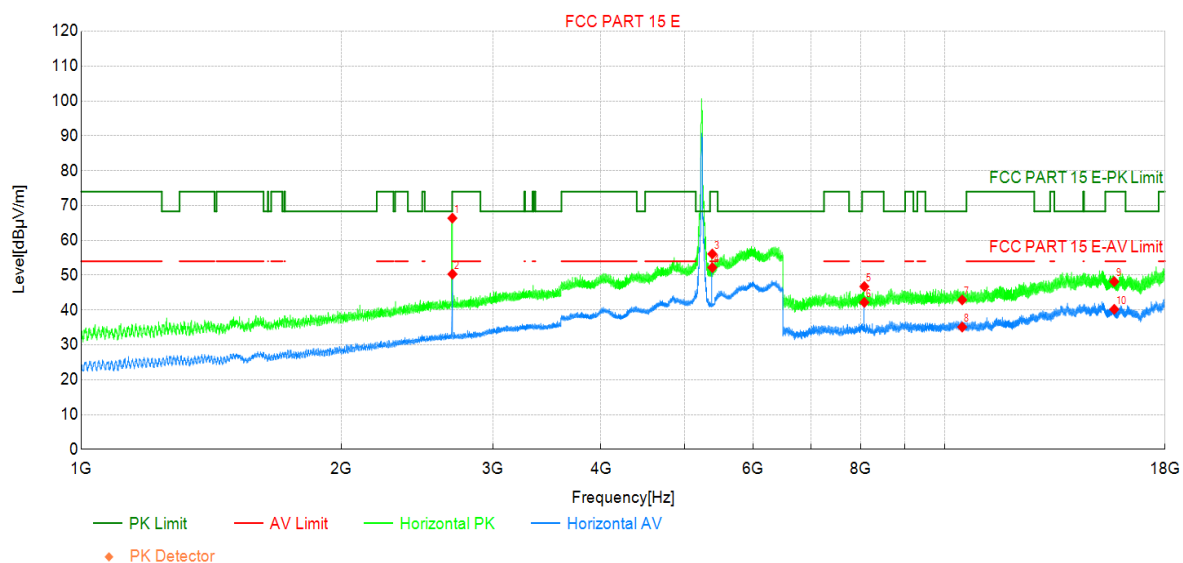
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.28	67.21	4.93	74.00	6.79	PK	Vertic	PASS
2	2691.04	45.66	50.59	4.93	54.00	3.41	AV	Vertic	PASS
3	5381.38	41.28	56.96	15.68	74.00	17.04	PK	Vertic	PASS
4	5381.81	36.58	52.26	15.68	54.00	1.74	AV	Vertic	PASS
5	8071.67	43.14	47.16	4.02	74.00	26.84	PK	Vertic	PASS
6	8072.15	38.16	42.18	4.02	54.00	11.82	AV	Vertic	PASS
7	10440.00	38.17	44.81	6.64	68.30	23.49	PK	Vertic	PASS
8	10440.00	28.81	35.45	6.64	-	-	AV	Vertic	NA
9	15660.00	24.93	39.02	14.09	54.00	14.98	AV	Vertic	PASS
10	15660.00	33.64	47.73	14.09	74.00	26.27	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5240MHz by 802.11ax(20MHz)	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

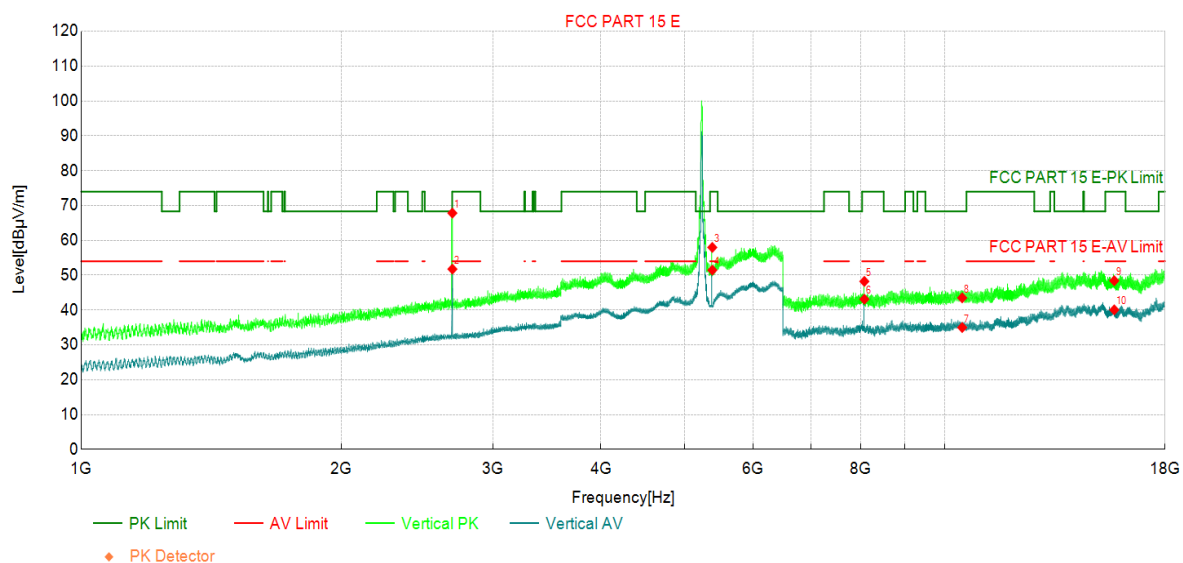
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	61.43	66.36	4.93	74.00	7.64	PK	Horizo	PASS
2	2691.46	45.38	50.31	4.93	54.00	3.69	AV	Horizo	PASS
3	5382.23	40.41	56.08	15.67	74.00	17.92	PK	Horizo	PASS
4	5382.65	36.53	52.20	15.67	54.00	1.80	AV	Horizo	PASS
5	8073.10	42.73	46.75	4.02	74.00	27.25	PK	Horizo	PASS
6	8073.58	38.17	42.18	4.01	54.00	11.82	AV	Horizo	PASS
7	10480.00	36.18	42.89	6.71	68.30	25.41	PK	Horizo	PASS
8	10480.00	28.40	35.11	6.71	-	-	AV	Horizo	NA
9	15720.00	33.75	48.16	14.41	74.00	25.84	PK	Horizo	PASS
10	15720.00	25.79	40.20	14.41	54.00	13.80	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5240MHz by 802.11ax(20MHz)	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

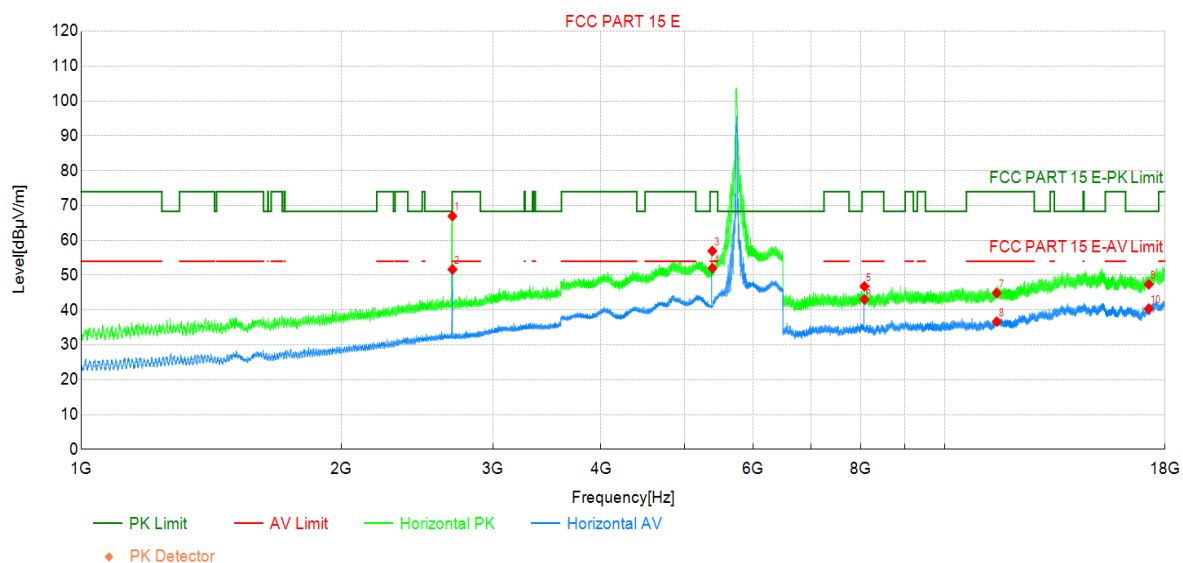
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	62.89	67.82	4.93	74.00	6.18	PK	Vertic	PASS
2	2691.46	46.81	51.74	4.93	54.00	2.26	AV	Vertic	PASS
3	5382.23	42.30	57.97	15.67	74.00	16.03	PK	Vertic	PASS
4	5382.65	35.79	51.46	15.67	54.00	2.54	AV	Vertic	PASS
5	8073.10	44.19	48.21	4.02	74.00	25.79	PK	Vertic	PASS
6	8073.58	39.09	43.10	4.01	54.00	10.90	AV	Vertic	PASS
7	10480.00	28.27	34.98	6.71	-	-	AV	Vertic	NA
8	10480.00	36.79	43.50	6.71	68.30	24.80	PK	Vertic	PASS
9	15720.00	33.99	48.40	14.41	74.00	25.60	PK	Vertic	PASS
10	15720.00	25.64	40.05	14.41	54.00	13.95	AV	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5745MHz by 802.11ax(20MHz)	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

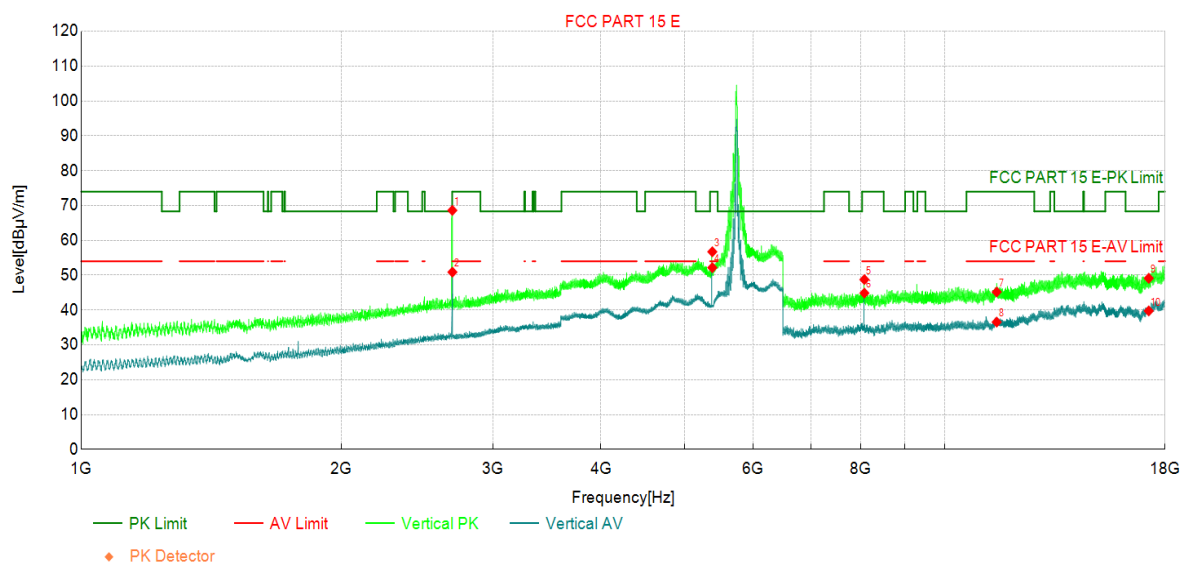
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	62.01	66.94	4.93	74.00	7.06	PK	Horizo	PASS
2	2691.46	46.73	51.66	4.93	54.00	2.34	AV	Horizo	PASS
3	5382.23	41.27	56.94	15.67	74.00	17.06	PK	Horizo	PASS
4	5382.65	36.35	52.02	15.67	54.00	1.98	AV	Horizo	PASS
5	8073.58	42.78	46.79	4.01	74.00	27.21	PK	Horizo	PASS
6	8074.06	39.03	43.04	4.01	54.00	10.96	AV	Horizo	PASS
7	11490.00	36.46	44.84	8.38	74.00	29.16	PK	Horizo	PASS
8	11490.00	28.26	36.64	8.38	54.00	17.36	AV	Horizo	PASS
9	17235.00	31.91	47.37	15.46	68.30	20.93	PK	Horizo	PASS
10	17235.00	24.91	40.37	15.46	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5745MHz by 802.11ax(20MHz)	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

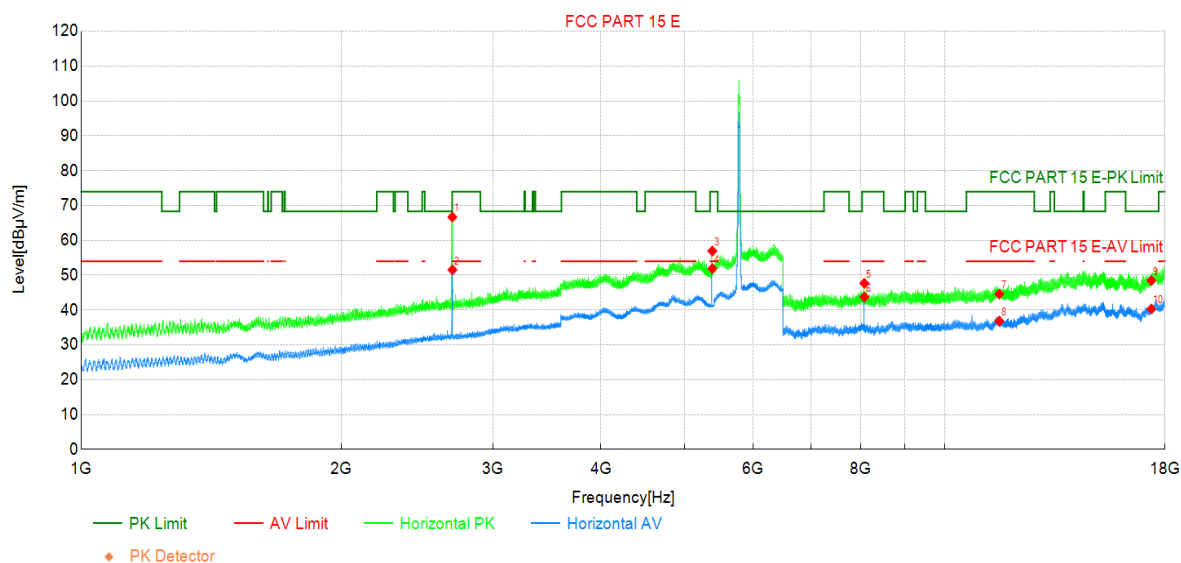
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.67	68.60	4.93	74.00	5.40	PK	Vertic	PASS
2	2691.46	45.94	50.87	4.93	54.00	3.13	AV	Vertic	PASS
3	5382.23	41.05	56.72	15.67	74.00	17.28	PK	Vertic	PASS
4	5382.65	36.49	52.16	15.67	54.00	1.84	AV	Vertic	PASS
5	8073.58	44.73	48.74	4.01	74.00	25.26	PK	Vertic	PASS
6	8074.06	40.85	44.86	4.01	54.00	9.14	AV	Vertic	PASS
7	11490.00	36.80	45.18	8.38	74.00	28.82	PK	Vertic	PASS
8	11490.00	28.16	36.54	8.38	54.00	17.46	AV	Vertic	PASS
9	17235.00	33.66	49.12	15.46	68.30	19.18	PK	Vertic	PASS
10	17235.00	24.29	39.75	15.46	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5785MHz by 802.11ax(20MHz)	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

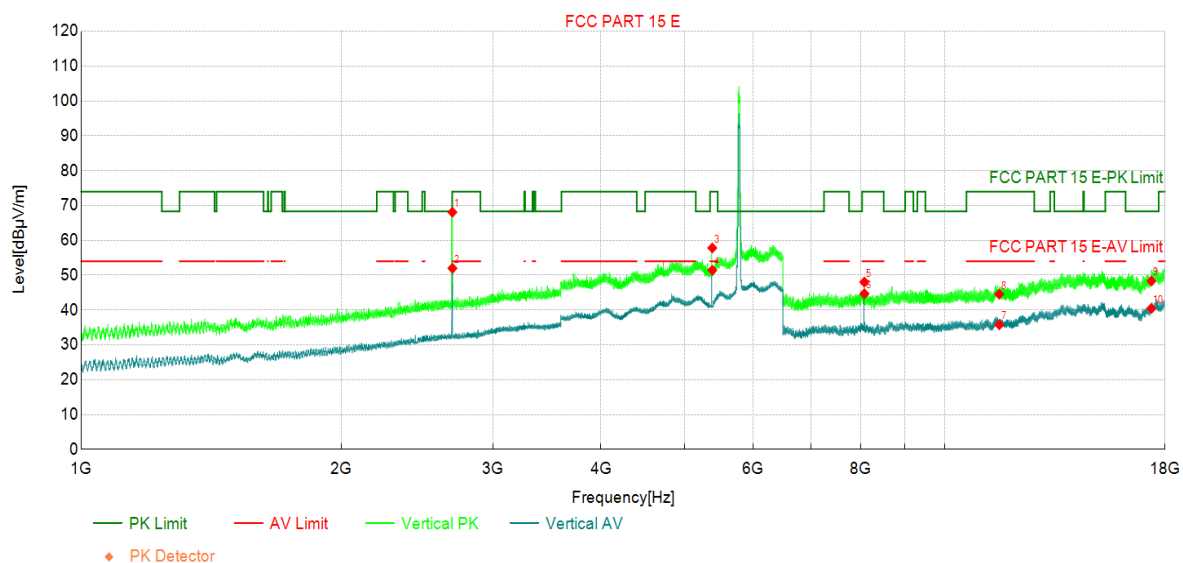
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	61.76	66.69	4.93	74.00	7.31	PK	Horizo	PASS
2	2691.46	46.61	51.54	4.93	54.00	2.46	AV	Horizo	PASS
3	5382.23	41.27	56.94	15.67	74.00	17.06	PK	Horizo	PASS
4	5382.65	36.23	51.90	15.67	54.00	2.10	AV	Horizo	PASS
5	8073.10	43.67	47.69	4.02	74.00	26.31	PK	Horizo	PASS
6	8073.58	39.73	43.74	4.01	54.00	10.26	AV	Horizo	PASS
7	11570.00	35.91	44.59	8.68	74.00	29.41	PK	Horizo	PASS
8	11570.00	28.14	36.82	8.68	54.00	17.18	AV	Horizo	PASS
9	17355.00	32.24	48.46	16.22	68.30	19.84	PK	Horizo	PASS
10	17355.00	24.07	40.29	16.22	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5785MHz by 802.11ax(20MHz)	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

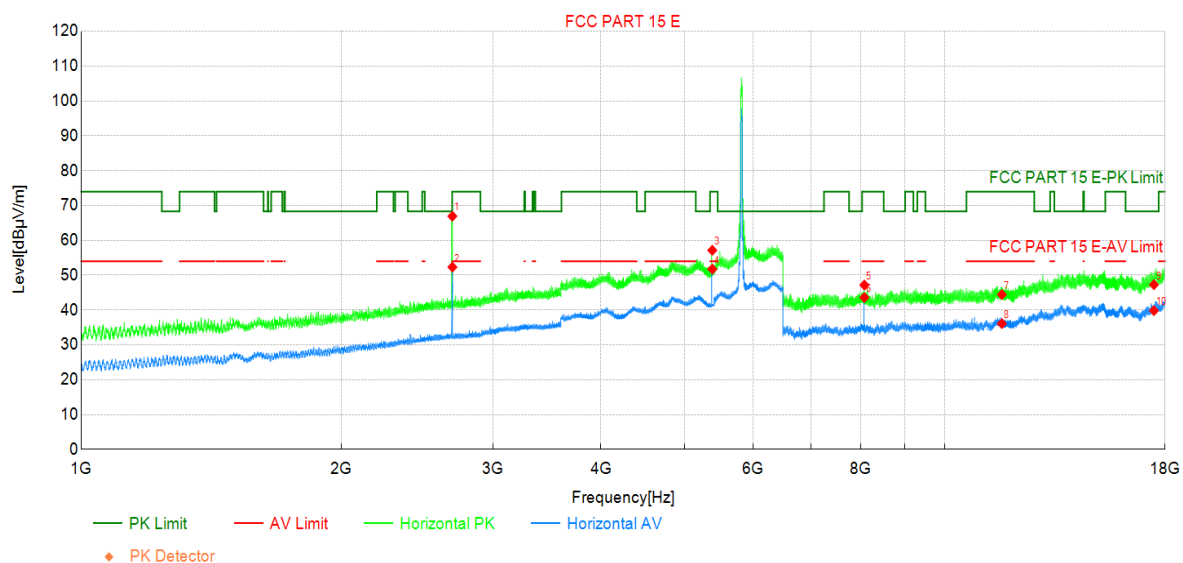
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.15	68.08	4.93	74.00	5.92	PK	Vertic	PASS
2	2691.46	47.04	51.97	4.93	54.00	2.03	AV	Vertic	PASS
3	5381.81	42.14	57.82	15.68	74.00	16.18	PK	Vertic	PASS
4	5382.65	35.76	51.43	15.67	54.00	2.57	AV	Vertic	PASS
5	8073.10	44.01	48.03	4.02	74.00	25.97	PK	Vertic	PASS
6	8073.58	40.67	44.68	4.01	54.00	9.32	AV	Vertic	PASS
7	11570.00	27.08	35.76	8.68	54.00	18.24	AV	Vertic	PASS
8	11570.00	35.86	44.54	8.68	74.00	29.46	PK	Vertic	PASS
9	17355.00	32.11	48.33	16.22	68.30	19.97	PK	Vertic	PASS
10	17355.00	24.23	40.45	16.22	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5825MHz by 802.11ax(20MHz)	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

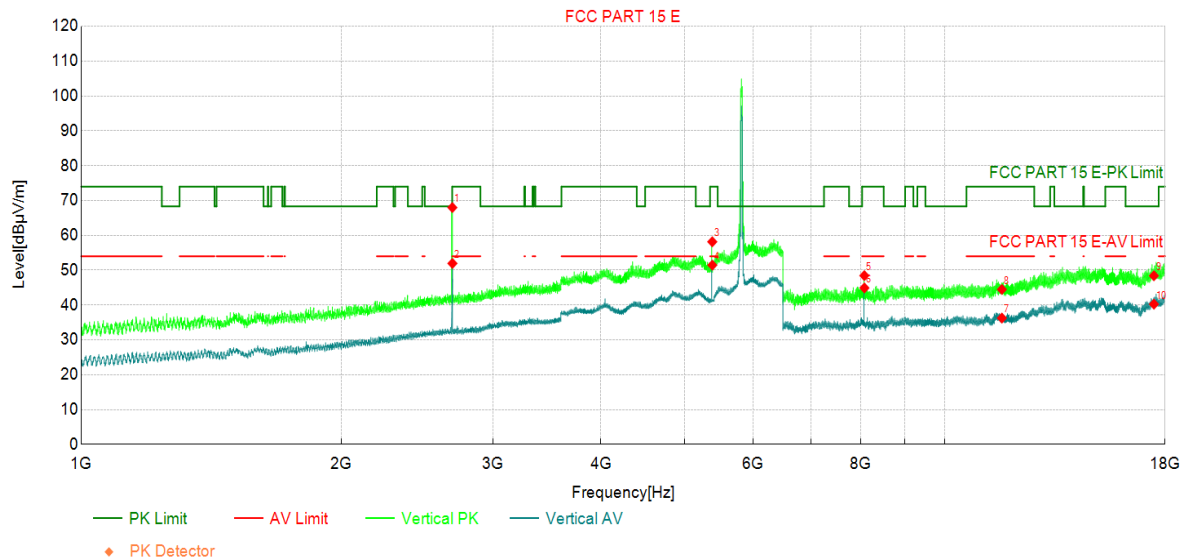
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	62.00	66.93	4.93	74.00	7.07	PK	Horizo	PASS
2	2691.46	47.38	52.31	4.93	54.00	1.69	AV	Horizo	PASS
3	5381.81	41.46	57.14	15.68	74.00	16.86	PK	Horizo	PASS
4	5382.65	36.08	51.75	15.67	54.00	2.25	AV	Horizo	PASS
5	8073.10	43.16	47.18	4.02	74.00	26.82	PK	Horizo	PASS
6	8073.58	39.58	43.59	4.01	54.00	10.41	AV	Horizo	PASS
7	11650.00	35.70	44.44	8.74	74.00	29.56	PK	Horizo	PASS
8	11650.00	27.36	36.10	8.74	54.00	17.90	AV	Horizo	PASS
9	17475.00	30.21	47.28	17.07	68.30	21.02	PK	Horizo	PASS
10	17475.00	22.76	39.83	17.07	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode2:Transmit at 5825MHz by 802.11ax(20MHz)	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

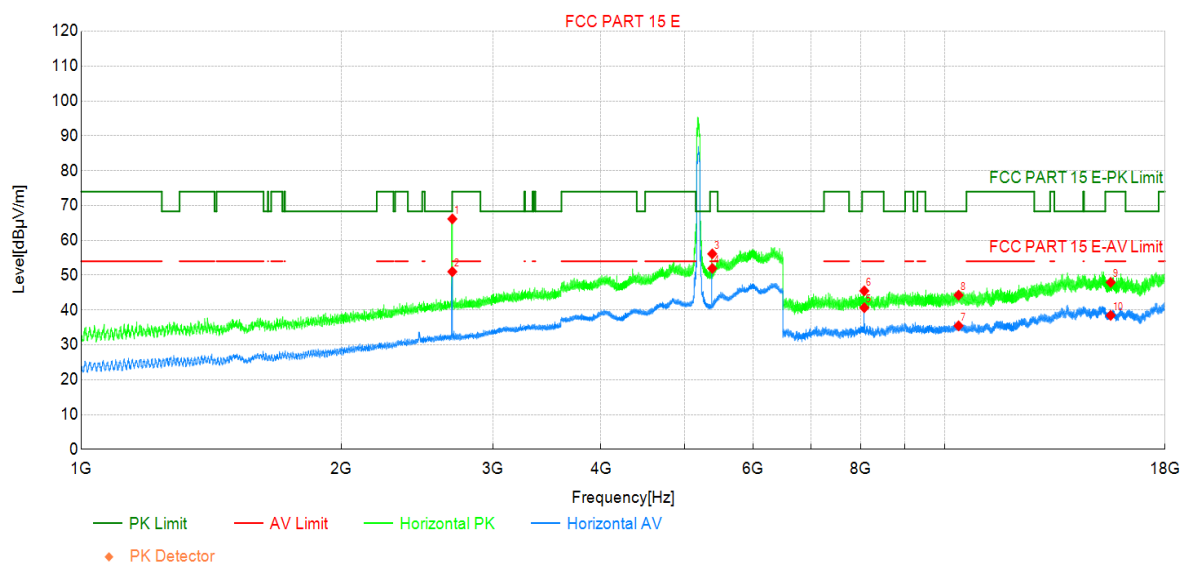
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.05	67.98	4.93	74.00	6.02	PK	Vertic	PASS
2	2691.46	47.01	51.94	4.93	54.00	2.06	AV	Vertic	PASS
3	5382.23	42.48	58.15	15.67	74.00	15.85	PK	Vertic	PASS
4	5382.65	35.79	51.46	15.67	54.00	2.54	AV	Vertic	PASS
5	8073.10	44.41	48.43	4.02	74.00	25.57	PK	Vertic	PASS
6	8073.58	40.89	44.90	4.01	54.00	9.10	AV	Vertic	PASS
7	11650.00	27.51	36.25	8.74	54.00	17.75	AV	Vertic	PASS
8	11650.00	35.74	44.48	8.74	74.00	29.52	PK	Vertic	PASS
9	17475.00	31.33	48.40	17.07	68.30	19.90	PK	Vertic	PASS
10	17475.00	23.18	40.25	17.07	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5190MHz by 802.11ax(40MHz)	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

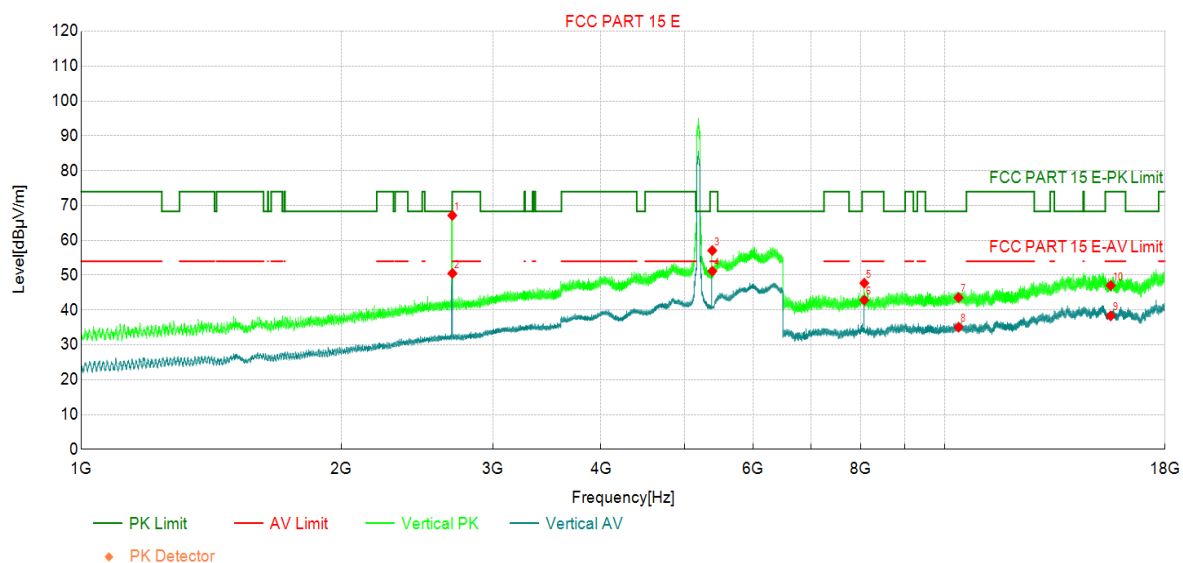
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.22	66.15	4.93	74.00	7.85	PK	Horizo	PASS
2	2691.04	46.07	51.00	4.93	54.00	3.00	AV	Horizo	PASS
3	5381.38	40.43	56.11	15.68	74.00	17.89	PK	Horizo	PASS
4	5381.81	36.26	51.94	15.68	54.00	2.06	AV	Horizo	PASS
5	8072.15	36.63	40.65	4.02	54.00	13.35	AV	Horizo	PASS
6	8072.15	41.48	45.50	4.02	74.00	28.50	PK	Horizo	PASS
7	10380.00	28.90	35.47	6.57	-	-	AV	Horizo	NA
8	10380.00	37.70	44.27	6.57	68.30	24.03	PK	Horizo	PASS
9	15570.00	34.24	47.93	13.69	74.00	26.07	PK	Horizo	PASS
10	15570.00	24.76	38.45	13.69	54.00	15.55	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5190MHz by 802.11ax(40MHz)	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

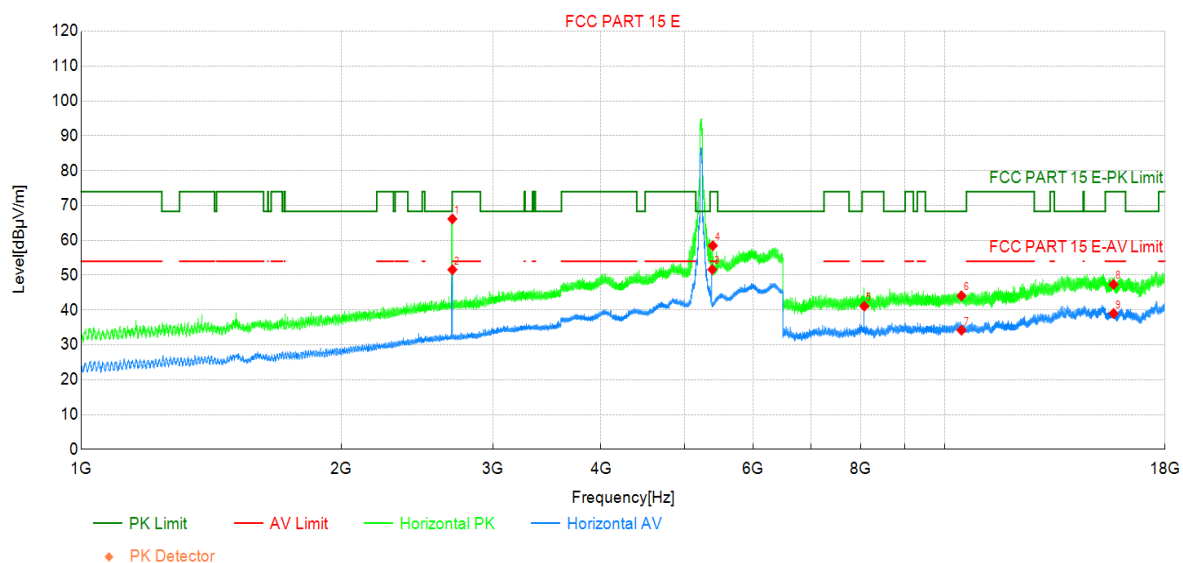
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.21	67.14	4.93	74.00	6.86	PK	Vertic	PASS
2	2691.04	45.58	50.51	4.93	54.00	3.49	AV	Vertic	PASS
3	5381.38	41.40	57.08	15.68	74.00	16.92	PK	Vertic	PASS
4	5381.81	35.47	51.15	15.68	54.00	2.85	AV	Vertic	PASS
5	8072.15	43.70	47.72	4.02	74.00	26.28	PK	Vertic	PASS
6	8072.63	38.83	42.85	4.02	54.00	11.15	AV	Vertic	PASS
7	10380.00	37.01	43.58	6.57	68.30	24.72	PK	Vertic	PASS
8	10380.00	28.50	35.07	6.57	-	-	AV	Vertic	NA
9	15570.00	24.62	38.31	13.69	54.00	15.69	AV	Vertic	PASS
10	15570.00	33.35	47.04	13.69	74.00	26.96	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5230MHz by 802.11ax(40MHz)	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

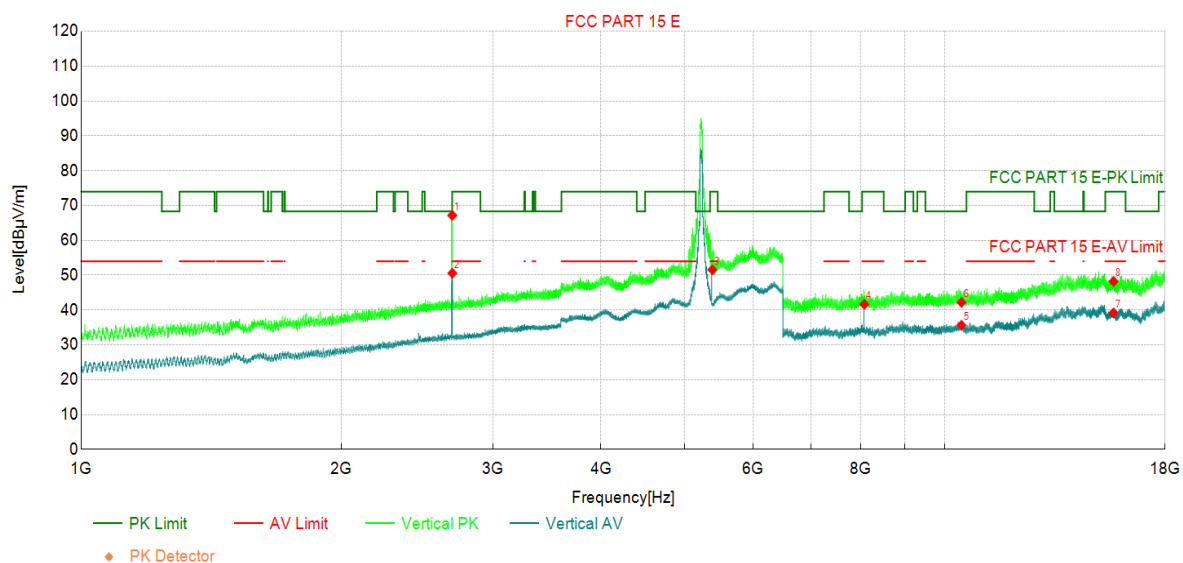
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.22	66.15	4.93	74.00	7.85	PK	Horizo	PASS
2	2691.04	46.65	51.58	4.93	54.00	2.42	AV	Horizo	PASS
3	5381.81	35.94	51.62	15.68	54.00	2.38	AV	Horizo	PASS
4	5389.42	42.80	58.46	15.66	74.00	15.54	PK	Horizo	PASS
5	8072.15	37.07	41.09	4.02	54.00	12.91	AV	Horizo	PASS
6	10460.00	37.40	44.07	6.67	68.30	24.23	PK	Horizo	PASS
7	10460.00	27.53	34.20	6.67	-	-	AV	Horizo	NA
8	15690.00	32.93	47.34	14.41	74.00	26.66	PK	Horizo	PASS
9	15690.00	24.59	39.00	14.41	54.00	15.00	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5230MHz by 802.11ax(40MHz)	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

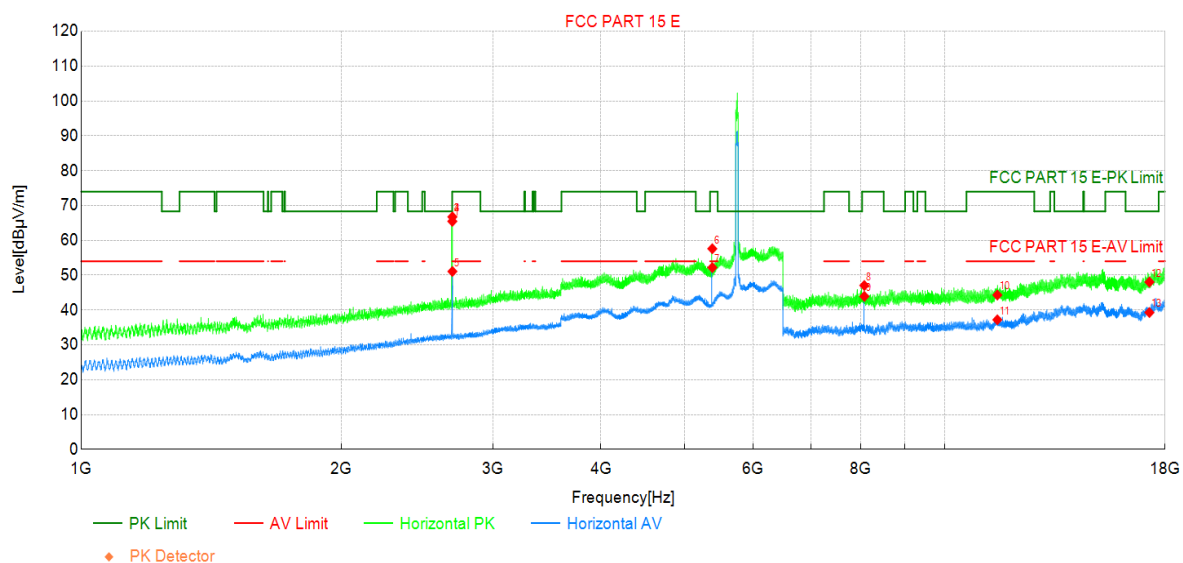
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.24	67.17	4.93	74.00	6.83	PK	Vertic	PASS
2	2691.04	45.64	50.57	4.93	54.00	3.43	AV	Vertic	PASS
3	5381.81	35.88	51.56	15.68	54.00	2.44	AV	Vertic	PASS
4	8072.63	37.61	41.63	4.02	54.00	12.37	AV	Vertic	PASS
5	10460.00	28.95	35.62	6.67	-	-	AV	Vertic	NA
6	10460.00	35.52	42.19	6.67	68.30	26.11	PK	Vertic	PASS
7	15690.00	24.75	39.16	14.41	54.00	14.84	AV	Vertic	PASS
8	15690.00	33.80	48.21	14.41	74.00	25.79	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5755MHz by 802.11ax(40MHz)	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

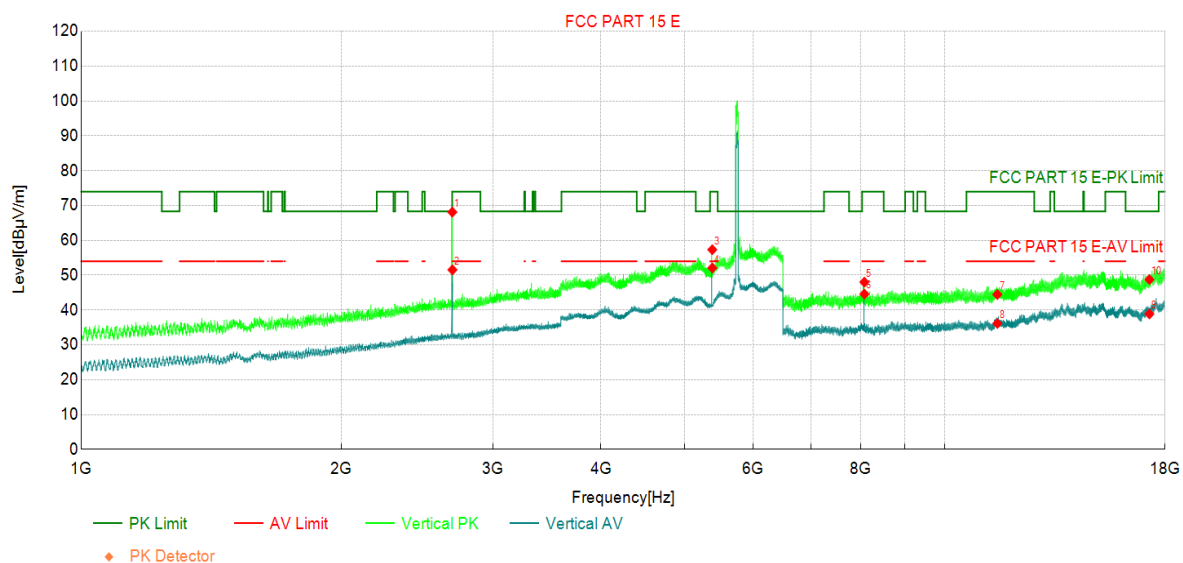
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	60.53	65.46	4.93	74.00	8.54	PK	Horizo	PASS
2	2691.04	61.80	66.73	4.93	74.00	7.27	PK	Horizo	PASS
3	2691.04	61.80	66.73	4.93	74.00	7.27	PK	Horizo	PASS
4	2691.04	61.80	66.73	4.93	74.00	7.27	PK	Horizo	PASS
5	2691.46	46.14	51.07	4.93	54.00	2.93	AV	Horizo	PASS
6	5382.23	41.92	57.59	15.67	74.00	16.41	PK	Horizo	PASS
7	5382.65	36.53	52.20	15.67	54.00	1.80	AV	Horizo	PASS
8	8072.63	43.02	47.04	4.02	74.00	26.96	PK	Horizo	PASS
9	8073.58	39.90	43.91	4.01	54.00	10.09	AV	Horizo	PASS
10	11510.00	35.82	44.30	8.48	74.00	29.70	PK	Horizo	PASS
11	11510.00	28.72	37.20	8.48	54.00	16.80	AV	Horizo	PASS
12	17265.00	32.52	48.03	15.51	68.30	20.27	PK	Horizo	PASS
13	17265.00	23.77	39.28	15.51	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5755MHz by 802.11ax(40MHz)	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

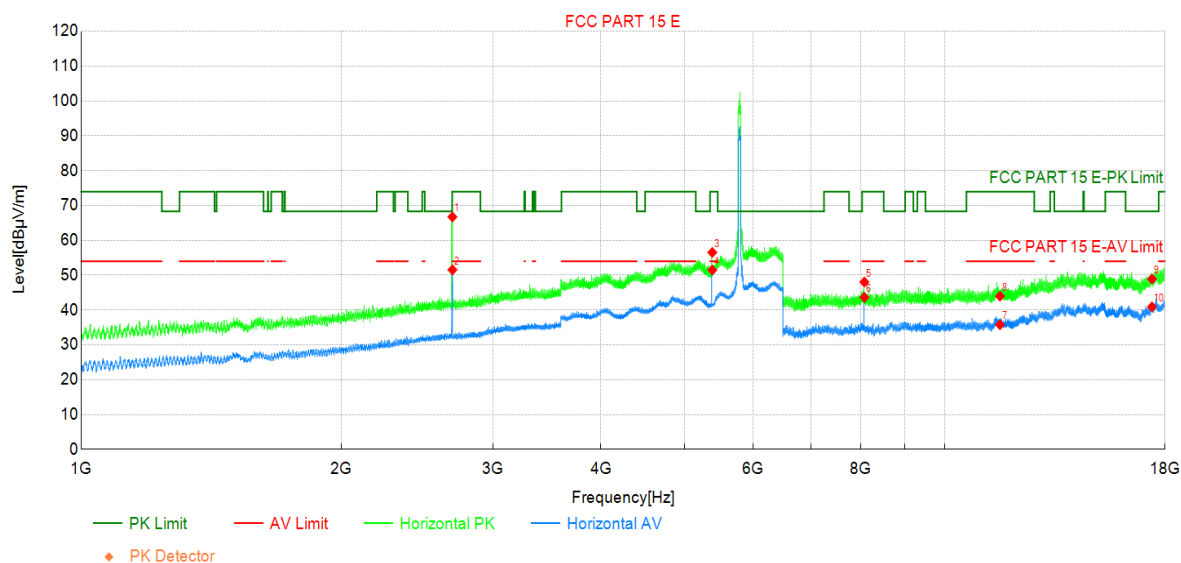
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.17	68.10	4.93	74.00	5.90	PK	Vertic	PASS
2	2691.46	46.61	51.54	4.93	54.00	2.46	AV	Vertic	PASS
3	5381.81	41.64	57.32	15.68	74.00	16.68	PK	Vertic	PASS
4	5382.65	36.40	52.07	15.67	54.00	1.93	AV	Vertic	PASS
5	8073.10	43.99	48.01	4.02	74.00	25.99	PK	Vertic	PASS
6	8073.58	40.57	44.58	4.01	54.00	9.42	AV	Vertic	PASS
7	11510.00	35.97	44.45	8.48	74.00	29.55	PK	Vertic	PASS
8	11510.00	27.65	36.13	8.48	54.00	17.87	AV	Vertic	PASS
9	17265.00	23.36	38.87	15.51	-	-	AV	Vertic	NA
10	17265.00	33.23	48.74	15.51	68.30	19.56	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5795MHz by 802.11ax(40MHz)	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

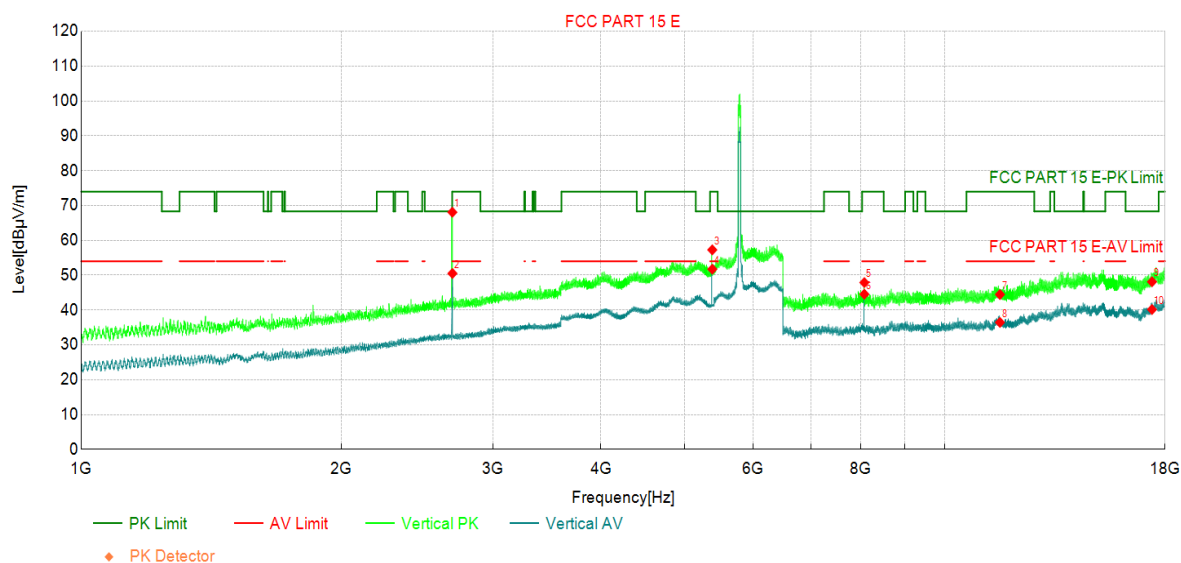
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	61.79	66.72	4.93	74.00	7.28	PK	Horizo	PASS
2	2691.46	46.61	51.54	4.93	54.00	2.46	AV	Horizo	PASS
3	5381.81	40.85	56.53	15.68	74.00	17.47	PK	Horizo	PASS
4	5382.65	35.81	51.48	15.67	54.00	2.52	AV	Horizo	PASS
5	8073.10	44.02	48.04	4.02	74.00	25.96	PK	Horizo	PASS
6	8073.58	39.63	43.64	4.01	54.00	10.36	AV	Horizo	PASS
7	11590.00	27.03	35.77	8.74	54.00	18.23	AV	Horizo	PASS
8	11590.00	35.24	43.98	8.74	74.00	30.02	PK	Horizo	PASS
9	17385.00	32.31	48.89	16.58	68.30	19.41	PK	Horizo	PASS
10	17385.00	24.32	40.90	16.58	-	-	AV	Horizo	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode3:Transmit at 5795MHz by 802.11ax(40MHz)	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

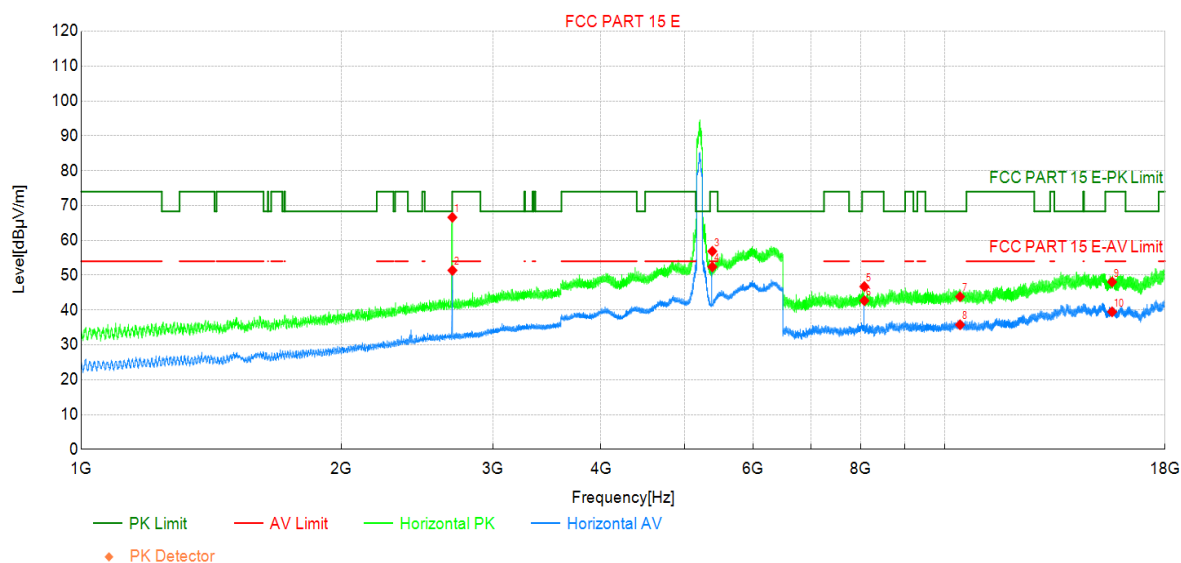
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.15	68.08	4.93	74.00	5.92	PK	Vertic	PASS
2	2691.46	45.57	50.50	4.93	54.00	3.50	AV	Vertic	PASS
3	5381.81	41.59	57.27	15.68	74.00	16.73	PK	Vertic	PASS
4	5382.23	36.06	51.73	15.67	54.00	2.27	AV	Vertic	PASS
5	8073.10	43.87	47.89	4.02	74.00	26.11	PK	Vertic	PASS
6	8073.58	40.53	44.54	4.01	54.00	9.46	AV	Vertic	PASS
7	11590.00	35.72	44.46	8.74	74.00	29.54	PK	Vertic	PASS
8	11590.00	27.71	36.45	8.74	54.00	17.55	AV	Vertic	PASS
9	17385.00	31.52	48.10	16.58	68.30	20.20	PK	Vertic	PASS
10	17385.00	23.56	40.14	16.58	-	-	AV	Vertic	NA

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5210MHz by 802.11ax(80MHz)	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

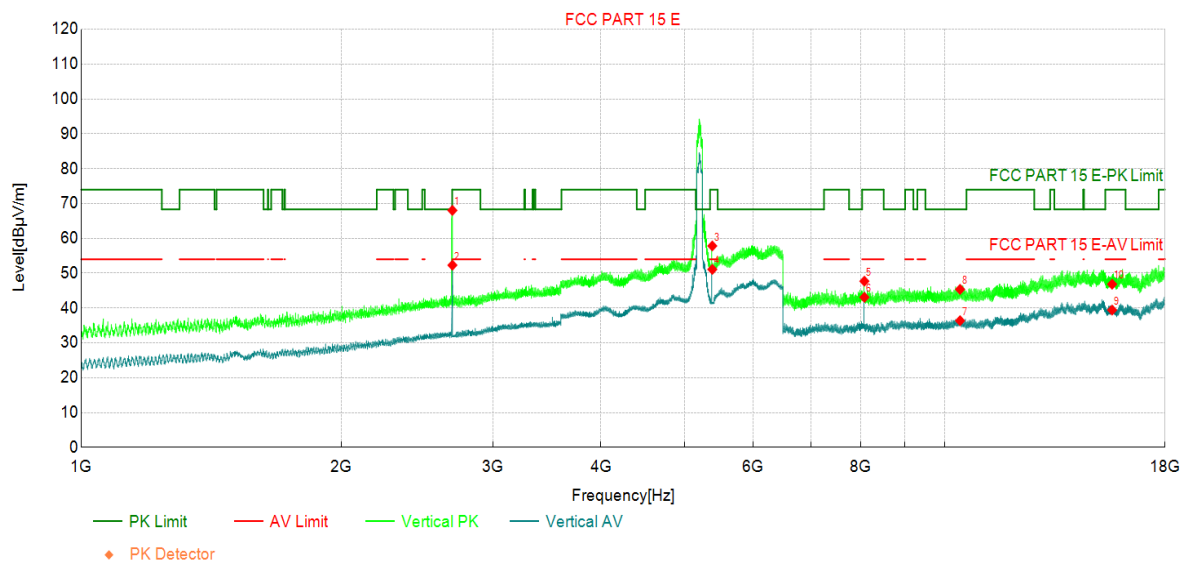
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1	2691.04	61.67	66.60	4.93	74.00	7.40	PK	Horizo	PASS
2	2691.46	46.45	51.38	4.93	54.00	2.62	AV	Horizo	PASS
3	5382.23	41.18	56.85	15.67	74.00	17.15	PK	Horizo	PASS
4	5382.65	36.71	52.38	15.67	54.00	1.62	AV	Horizo	PASS
5	8073.10	42.72	46.74	4.02	74.00	27.26	PK	Horizo	PASS
6	8073.58	38.67	42.68	4.01	54.00	11.32	AV	Horizo	PASS
7	10420.00	37.23	43.83	6.60	68.30	24.47	PK	Horizo	PASS
8	10420.00	29.17	35.77	6.60	-	-	AV	Horizo	NA
9	15630.00	34.28	48.06	13.78	74.00	25.94	PK	Horizo	PASS
10	15630.00	25.70	39.48	13.78	54.00	14.52	AV	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5210MHz by 802.11ax(80MHz)	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

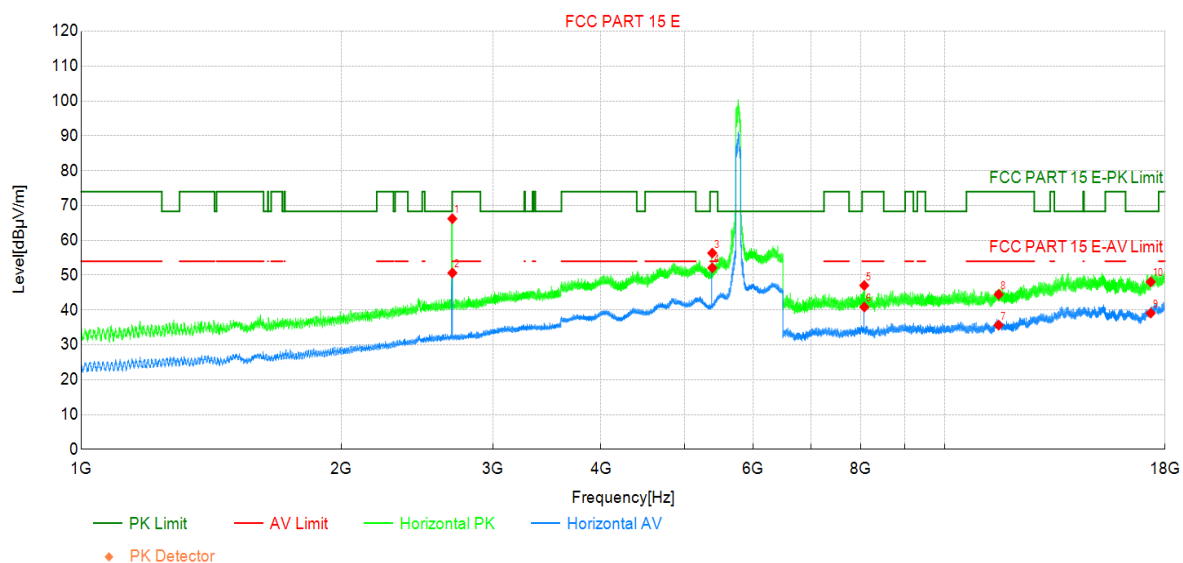
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2691.04	63.09	68.02	4.93	74.00	5.98	PK	Vertic	PASS
2	2691.46	47.37	52.30	4.93	54.00	1.70	AV	Vertic	PASS
3	5381.81	42.14	57.82	15.68	74.00	16.18	PK	Vertic	PASS
4	5382.65	35.43	51.10	15.67	54.00	2.90	AV	Vertic	PASS
5	8073.58	43.69	47.70	4.01	74.00	26.30	PK	Vertic	PASS
6	8074.06	39.07	43.08	4.01	54.00	10.92	AV	Vertic	PASS
7	10420.00	29.76	36.36	6.60	-	-	AV	Vertic	NA
8	10420.00	38.75	45.35	6.60	68.30	22.95	PK	Vertic	PASS
9	15630.00	25.63	39.41	13.78	54.00	14.59	AV	Vertic	PASS
10	15630.00	33.05	46.83	13.78	74.00	27.17	PK	Vertic	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5775MHz by 802.11ax(80MHz)	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

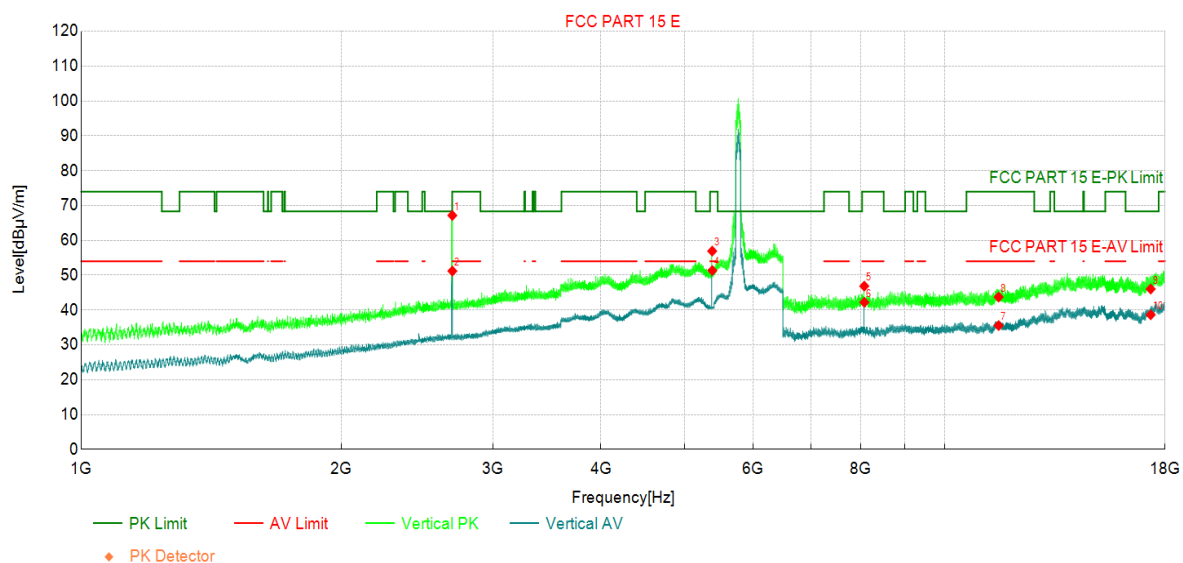
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	61.28	66.21	4.93	74.00	7.79	PK	Horizo	PASS
2	2691.04	45.72	50.65	4.93	54.00	3.35	AV	Horizo	PASS
3	5381.38	40.65	56.33	15.68	74.00	17.67	PK	Horizo	PASS
4	5381.81	36.43	52.11	15.68	54.00	1.89	AV	Horizo	PASS
5	8071.67	43.03	47.05	4.02	74.00	26.95	PK	Horizo	PASS
6	8072.63	36.83	40.85	4.02	54.00	13.15	AV	Horizo	PASS
7	11550.00	27.05	35.66	8.61	54.00	18.34	AV	Horizo	PASS
8	11550.00	35.87	44.48	8.61	74.00	29.52	PK	Horizo	PASS
9	17325.00	23.24	39.11	15.87	-	-	AV	Horizo	NA
10	17325.00	32.20	48.07	15.87	68.30	20.23	PK	Horizo	PASS

Test Report

Project Information

Profile:	2530770R	EUT:	Smart Controller
Mode:	Mode4:Transmit at 5775MHz by 802.11ax(80MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25°C ; Humi:60%	Engineer	Reyn Chen
Test Standard:	FCC PART 15 E		

Test Graph

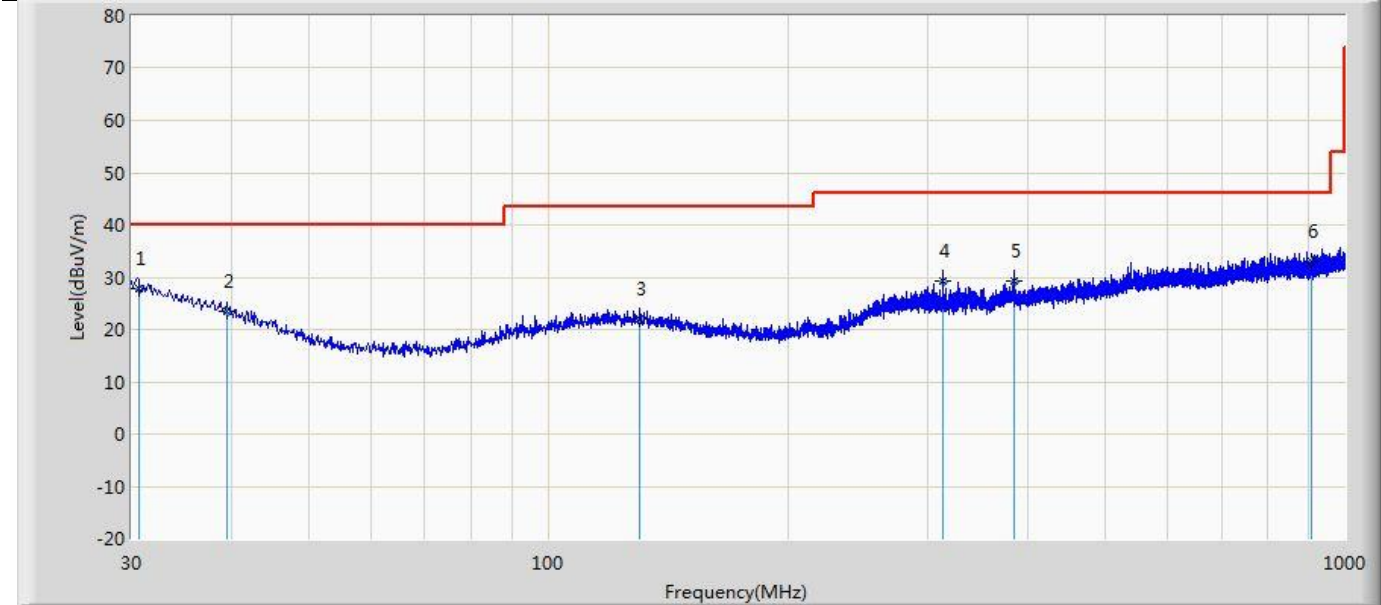


Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2690.62	62.22	67.15	4.93	74.00	6.85	PK	Vertic	PASS
2	2691.04	46.27	51.20	4.93	54.00	2.80	AV	Vertic	PASS
3	5380.96	41.25	56.92	15.67	74.00	17.08	PK	Vertic	PASS
4	5381.81	35.67	51.35	15.68	54.00	2.65	AV	Vertic	PASS
5	8071.67	42.84	46.86	4.02	74.00	27.14	PK	Vertic	PASS
6	8072.63	38.19	42.21	4.02	54.00	11.79	AV	Vertic	PASS
7	11550.00	26.93	35.54	8.61	54.00	18.46	AV	Vertic	PASS
8	11550.00	35.12	43.73	8.61	74.00	30.27	PK	Vertic	PASS
9	17325.00	30.16	46.03	15.87	68.30	22.27	PK	Vertic	PASS
10	17325.00	22.77	38.64	15.87	-	-	AV	Vertic	NA

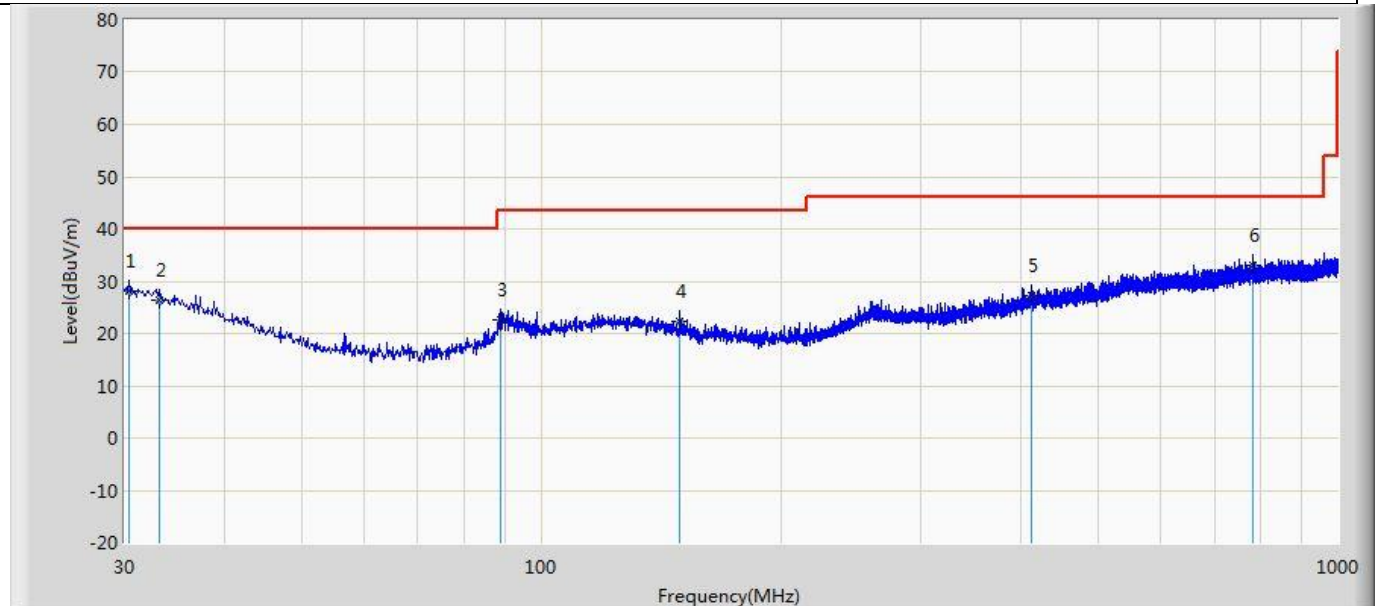


Profile: 2530770R	Page No.: 5
Engineer: Yu Liu	
Site: AC2	Time: 2025/04/19 - 03:44
Limit: FCC_Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)-2024	Polarity: Horizontal
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: mode 3:Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	30.606	27.686	2.916	-12.314	40.000	24.770	QP
2		39.458	23.348	3.035	-16.652	40.000	20.314	QP
3		130.516	22.017	2.807	-21.483	43.500	19.210	QP
4		312.755	29.238	8.127	-16.762	46.000	21.111	QP
5		383.929	29.387	6.511	-16.613	46.000	22.877	QP
6		907.698	32.911	3.845	-13.089	46.000	29.066	QP

Profile: 2530770R	Page No.: 6
Engineer: Yu Liu	
Site: AC2	Time: 2025/04/19 - 03:45
Limit: FCC_Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)-2024	Polarity: Vertical
EUT: Smart Controller	Power: 230 Vac / 50 Hz
Note: mode 3:Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	30.364	28.191	3.317	-11.809	40.000	24.874	QP
2		33.153	26.427	2.807	-13.573	40.000	23.620	QP
3		88.806	22.525	6.679	-20.975	43.500	15.846	QP
4		149.189	22.308	4.334	-21.192	43.500	17.975	QP
5		411.937	27.372	3.286	-18.628	46.000	24.085	QP
6		782.114	33.101	4.595	-12.899	46.000	28.506	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 SISO Ant1 mode, SISO Ant2 mode and Ant1+2 mode, shown in report is the worst data.

Appendix C: Emission bandwidth and occupied bandwidth

Emission Bandwidth

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.440	5168.960	5189.400	---	---
11A	Ant1	5200	25.040	5185.760	5210.800	---	---
11A	Ant1	5240	24.240	5226.160	5250.400	---	---
11A	Ant1	5745	28.320	5733.080	5761.400	---	---
11A	Ant1	5785	25.040	5773.120	5798.160	---	---
11A	Ant1	5825	32.880	5809.440	5842.320	---	---
11N20SISO	Ant1	5180	20.680	5169.600	5190.280	---	---
11N20SISO	Ant1	5200	21.280	5189.160	5210.440	---	---
11N20SISO	Ant1	5240	21.400	5229.000	5250.400	---	---
11N20SISO	Ant1	5745	20.000	5735.000	5755.000	---	---
11N20SISO	Ant1	5785	25.720	5773.120	5798.840	---	---
11N20SISO	Ant1	5825	19.960	5815.000	5834.960	---	---
11N40SISO	Ant1	5190	39.600	5170.400	5210.000	---	---
11N40SISO	Ant1	5230	40.400	5209.200	5249.600	---	---
11N40SISO	Ant1	5755	39.680	5735.160	5774.840	---	---
11N40SISO	Ant1	5795	39.360	5775.400	5814.760	---	---
11AC20SISO	Ant1	5180	20.360	5169.680	5190.040	---	---
11AC20SISO	Ant1	5200	20.880	5189.760	5210.640	---	---
11AC20SISO	Ant1	5240	22.280	5228.320	5250.600	---	---
11AC20SISO	Ant1	5745	20.000	5735.040	5755.040	---	---
11AC20SISO	Ant1	5785	27.400	5772.440	5799.840	---	---
11AC20SISO	Ant1	5825	20.040	5814.840	5834.880	---	---
11AC40SISO	Ant1	5190	39.680	5170.320	5210.000	---	---
11AC40SISO	Ant1	5230	39.760	5209.840	5249.600	---	---
11AC40SISO	Ant1	5755	39.200	5735.320	5774.520	---	---
11AC40SISO	Ant1	5795	39.520	5775.240	5814.760	---	---
11AC80SISO	Ant1	5210	81.120	5170.160	5251.280	---	---
11AC80SISO	Ant1	5775	80.160	5735.000	5815.160	---	---
11AX20SISO	Ant1	5180	20.680	5169.600	5190.280	---	---
11AX20SISO	Ant1	5200	20.600	5189.720	5210.320	---	---
11AX20SISO	Ant1	5240	24.880	5225.800	5250.680	---	---
11AX20SISO	Ant1	5745	25.640	5733.320	5758.960	---	---
11AX20SISO	Ant1	5785	34.120	5765.280	5799.400	---	---
11AX20SISO	Ant1	5825	30.840	5811.560	5842.400	---	---
11AX40SISO	Ant1	5190	39.840	5170.160	5210.000	---	---
11AX40SISO	Ant1	5230	39.600	5210.240	5249.840	---	---
11AX40SISO	Ant1	5755	40.240	5735.000	5775.240	---	---
11AX40SISO	Ant1	5795	39.680	5775.240	5814.920	---	---
11AX80SISO	Ant1	5210	81.440	5169.840	5251.280	---	---
11AX80SISO	Ant1	5775	80.640	5734.680	5815.320	---	---

Test Graphs

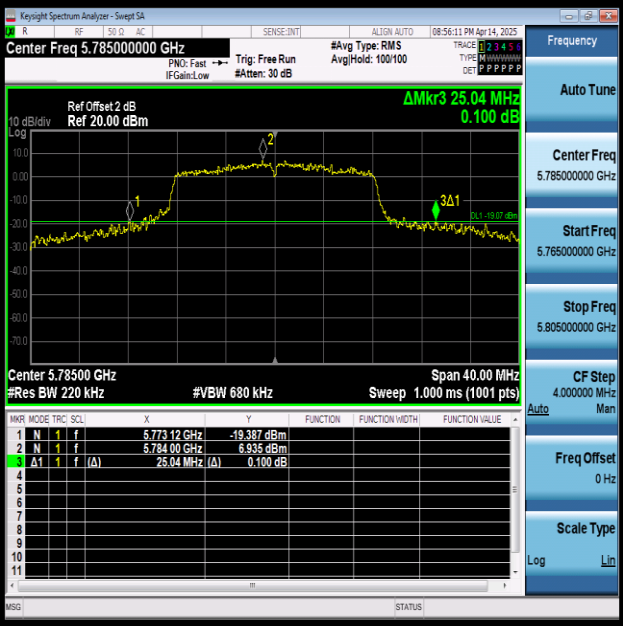




11A-Ant1-5240



11A-Ant1-5745



11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



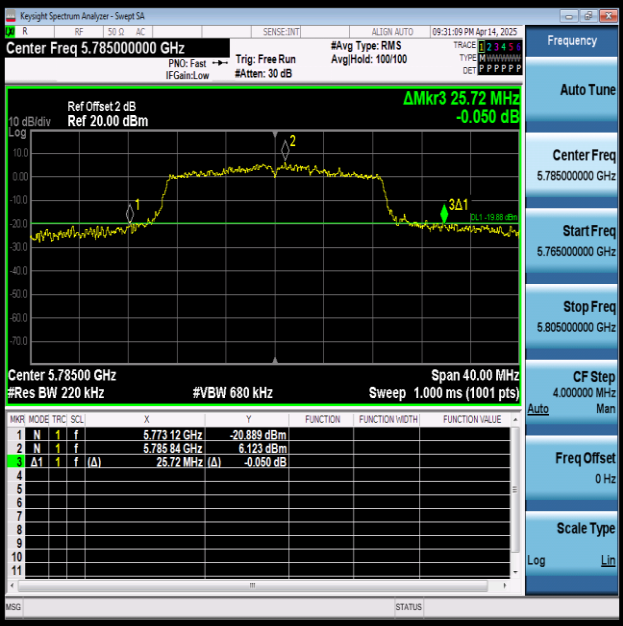
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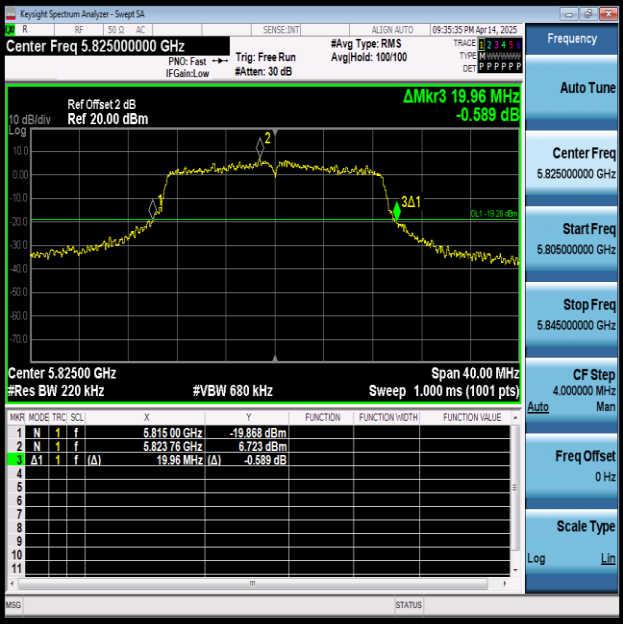
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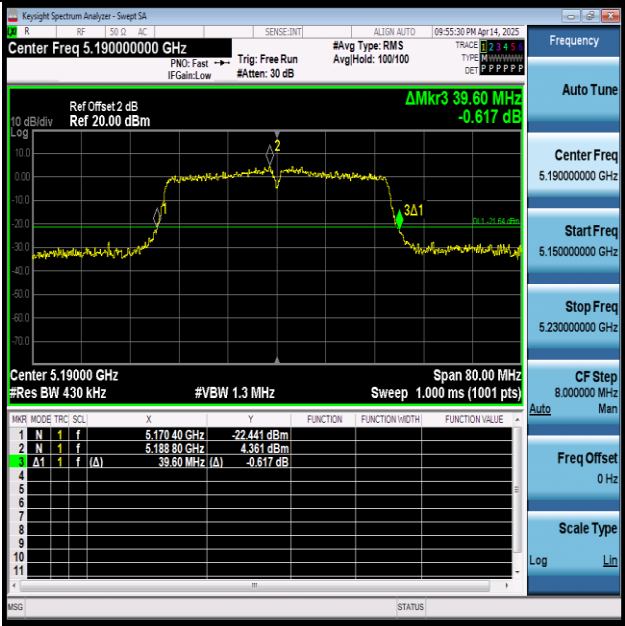
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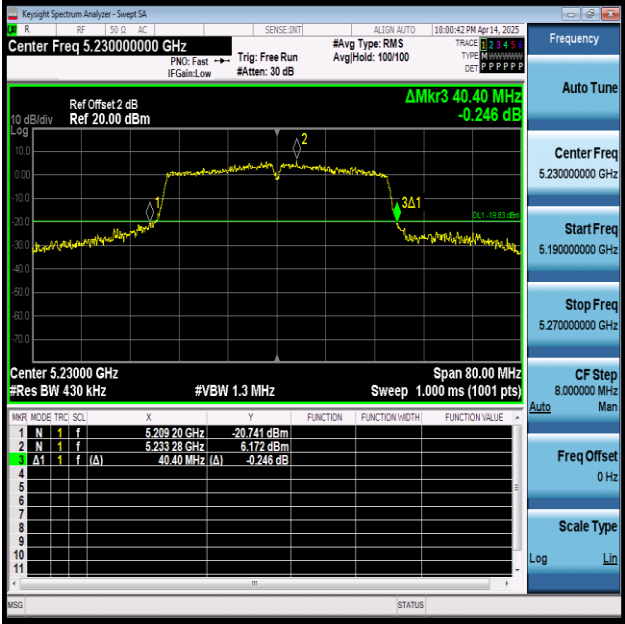
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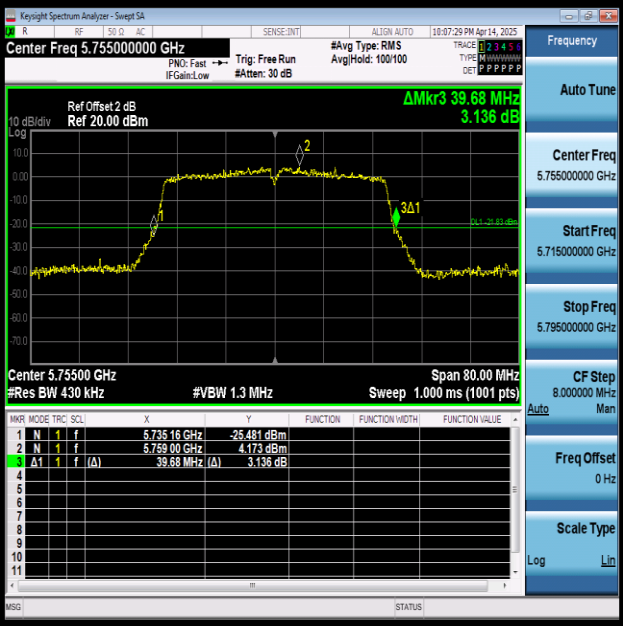
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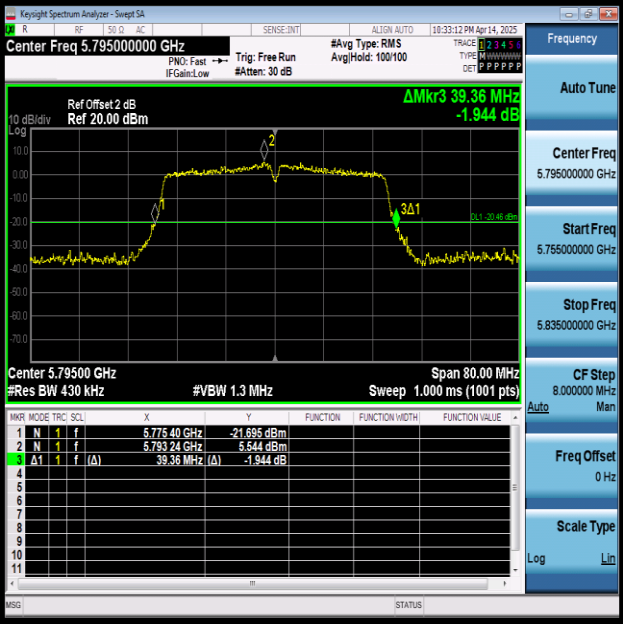
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11N40SISO-Ant1-5230



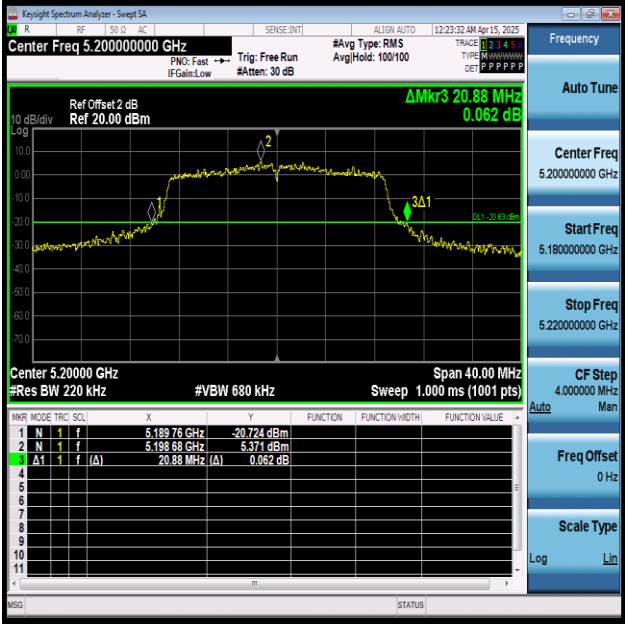
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11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200