DEKRA Testing and Certification (Suzhou) Co., Ltd.
No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006, Jiangsu, China
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098

Test report No:
24C0528R-RF-US-P09V01

FCC&ISED TEST REPORT

Product Name	Xiaomi TV Box S
Trademark	XIAOMI;Xiaomi;
Model and /or type reference	MDZ-32-AA
FCC ID	2AIMR-MDZ32AA
IC	25940-MDZ32AA
Applicant´s name / address	Beijing Xiaomi Electronics Co., Ltd Room 802, Floor 8, Building 5, No.15 KeChuang 10th Road, Beijing Economic and Technological Development Zone, Beijing City, China
Test method requested, standard	47 CFR FCC Part 15 (Section 15.407) ANSI C63.10: 2013 RSS-Gen Issue 5 RSS-247 Issue 3
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	2025-03-19
Report Version	V1.0
Report template No	Template_FCC Part 15C-RF-V1.0

INDEX

page

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.

GENERAL CONDITIONS

Test Location A	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Test Location B	No. 8213, Fanhua Avenue, Baohe District, Hefei City, Anhui Province, China
Date(receive sample)	Dec. 16, 2024
Date (start test)	Dec. 16, 2024
Date (finish test)	Feb. 17, 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
*T*x	:	Transmitter
*R*x	:	Receiver
N/A	:	Not Applicable
N/M	:	Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
24C0528R-RF-US-P09V01	V1.0	Initial issue of report.	2025-03-19

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 Xiaomi TV Box S, 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: 2AATL-K265B-UU, IC: 12425A-K265BUU.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), RSS-247 Issue 3.
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 1.1 General Description of the Item(s);
- Chapter 1.2 Antenna Informaion;
- Chapter 1.3 Channel List;
- Chapter 1.4 Data Rate;

USED EQUIPMENT

Test Location A: Conducted Test/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
Wireless Connectivity Tester	R&S	CMW 270	102593	2024.05.15	2025.05.14	V 4.0.60	N/A
Coaxial Cable	N/A	N/A	2477	2024.06.11	2025.06.10	N/A	N/A
Coaxial Cable	N/A	N/A	2478	2024.06.11	2025.06.10	N/A	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2024.04.21	2025.04.20	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-032	2024.05.17	2025.05.16	N/A	N/A
Test system							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2024.10.26	2025.10.25	A.14.03	N/A
RF Control Unit	Tonscend	JS0806-2	22G8060594	2025.01.26	2026.01.25	N/A	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2024.05.12	2025.05.11	B.01.96	N/A
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2024.05.12	2025.05.11	N/A	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2024.07.06	2025.07.05	B.01.95	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.0.22

Test Location A: AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
EMI Test Receiver	R&S	ESCI	100726	2024.07.06	2025.07.05	4.42 SP1	N/A
Two-Line V-Network	R&S	ENV 216	101044	2024.10.26	2025.10.25	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101189	2024.07.06	2025.07.05	N/A	N/A
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2024.07.06	2025.07.05	N/A	N/A
Coaxial Cable	Huber+Suhner	RG 223	TR1-C1	2024.07.06	2025.07.05	N/A	N/A
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2024.12.20	2025.12.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-011	2024.05.17	2025.05.16	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	N/A

Test Location A: Radiated Emission (9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
EMI Test Receiver	R&S	ESCI	100573	2025.01.11	2026.01.10	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2024.03.27	2025.03.26	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2024.03.20	2025.03.19	N/A	N/A
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2024.04.27	2025.04.26	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-021	2024.05.17	2025.05.16	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Test Location B: Radiated Emission (1GHz-40GHz) / AC103

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
Signal analyzer	keysight	N9020B	MY63490118	2024.07.26	2025.07.25	A 08.54	N/A
Bilog Antenna	TESEQ	CBL6112D	64164	2024.11.23	2025.11.22	N/A	N/A
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2024.11.02	2025.11.01	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2024.10.28	2025.10.27	N/A	N/A
Amplifier	ESE	LNA0118	LNA23100009	2024.08.10	2025.08.09	N/A	N/A
Amplifier	Tonscend	TAP01018048S	AP23J8060307	2024.11.16	2025.11.15	N/A	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2024.11.08	2025.11.07	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	23G806F0701	2024.11.20	2025.11.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	001	2024.05.23	2025.05.22	N/A	N/A
Test Software	Tonscend	JS36	N/A	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 A	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.80dB 150kHz~30MHz: 2.40dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~300MHz: 3.50 dB 300MHz~1GHz: 3.60 dB Vertical: 30MHz~300MHz: 3.60 dB 300MHz~1GHz: 3.50 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~26.5GHz: 5.30 dB Vertical: 18GHz~26.5GHz: 4.90 dB
20dB Bandwidth	± 1 kHz
Carrier Frequency Separation	± 1 kHz
Number of Hopping Frequencies	± 1 kHz
Time of Occupancy (Dwell Time)	± 0.1 us
Peak OutputPower	± 1.27 dB
Emissions in non-restricted frequency bands	± 1.0 dB
Radiated Emission Band Edge	± 3.9 dB

Test item Test Location B	Uncertainty
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~300MHz: 4.86 dB 300MHz~1GHz: 4.86 dB Vertical: 30MHz~300MHz: 4.92 dB 300MHz~1GHz: 4.92 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.99 dB Vertical: 1GHz~18GHz: 5.76 dB Horizontal: 18GHz~26.5GHz: 5.99 dB Vertical: 18GHz~26.5GHz: 5.76 dB
Radiated Emission Band Edge	± 5.99 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name ..... :	Xiaomi TV Box S
Model No. ..... :	MDZ-32-AA
Trademark. ..... :	XIAOMI;Xiaomi; xiaomi
FCC ID..... :	2AIMR-MDZ32AA
IC ..... :	25940-MDZ32AA
Hardware Version..... :	DKTB-OB1A-905X5M-AD
Software Version ..... :	V816.0.25.2.10.UZFAABX
Manufacturer ..... :	Beijing Xiaomi Electronics Co., Ltd
Manufacturer Address ..... :	Room 802, Floor 8, Building 5, No.15 KeChuang 10th Road, Beijing Economic and Technological Development Zone, Beijing City, China
Factory..... :	Nanchang Qinsheng Electronic Technology CO.,LTD
Factory address..... :	No.638,Hangkongcheng Avenue,Nanchang Hi-tech Development Zone,Nanchang City, Jiangxi Province
Operating temperature ..... :	0 ~ +40 ℃

Wireless Card ..... :	K265B-UU
Wireless specifiction..... :	802.11a / n / ac / ax
Frequency Range..... :	U-NII-1: 5150 MHz to 5250 MHz
	U-NII-2A: 5250 MHz to 5350 MHz
	U-NII-2C: 5470 MHz to 5725 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
Product Type ..... :	Mobile Client For FCC
Type of Modulation & Data Rate .... :	Refer to Clause 1.4
Number of channels ..... :	Refer to Clause 1.3

Rated power supply..... :	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☒	AC: 100 - 240 V, 50/60 Hz 0.3A
	☒	DC: 5.2 Vdc, 2.1 A
	☐	Battery:
	☒	Adapter:
Adapter model No ..... :	AD-0100520210US-1	
INPUT..... :	100 - 240 V, 50/60 Hz 0.3 A	
OUTPUT..... :	5.2 V, 2.1 A	
Mounting position ..... :	☒	Tabletop equipment

	☐	Wall mounted equipment
	☐	Floor standing equipment
	☐	Hand-held/Portable equipment
	☐	Other:

1.2 Antenna Information

Antenna Delivery .....:	☒	1TX + 1RX		
	☒	2TX + 2RX		
	☐	Others:……		
Antenna technology.....:	☒	SISO		
	☒	MIMO	☒	CDD
			☐	Beam-forming
Antenna Type .....:	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☐	Ceramic Chip
			☐	PIFA
			☒	PCB
			☐	Others……..

Antenna Gain.....:	Wireless specification	Frequency range (MHz)	Gain (dBi)	
			Main	Aux
	Wi-Fi 5.2GHz	5180~5240	2.47	2.13
	Wi-Fi 5.3GHz	5260~5320	2.54	2.70
	Wi-Fi 5.6GHz	5500~5700	2.79	2.76
	Wi-Fi 5.8GHz	5745~5825	2.45	2.18

1.3 Channel List

U-NII-1/2A/2C/3:

802.11a/n/ac/ax (20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5550 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	144	5720 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n/ac/ax (40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	142	5710 MHz	151	5755 MHz	159	5795 MHz
802.11ac/ax (80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530MHz	122	5610 MHz
138	5690 MHz	155	5775 MHz	N/A	N/A	N/A	N/A

1.4 Data Rate

IEEE 802.11a/n

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)				
		802.11a	20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
0	1	6	6.5	7.2	13.5	15.0
1	1	9	13.0	14.4	27.0	30.0
2	1	12	19.5	21.7	40.5	45.0
3	1	18	26.0	28.9	54.0	60.0
4	1	24	39.0	43.3	81.0	90.0
5	1	36	52.0	57.8	108.0	120.0
6	1	48	58.5	65.0	121.5	135.0
7	1	54	65.0	72.2	135.0	150.0
8	2	---	13.0	14.4	27.0	30.0
9	2	---	26.0	28.9	54.0	60.0
10	2	---	39.0	43.3	81.0	90.0
11	2	---	52.0	57.8	108.0	120.0
12	2	---	78.0	86.7	162.0	180.0
13	2	---	104.0	115.6	216.0	240.0
14	2	---	117.0	130.0	243.0	270.0
15	2	---	130.0	144.0	270.0	300.0

Note1: The blue form is the maximum power data rate.

IEEE 802.11ac/ax

Spatial streames	MCS Index	Modulation	R	Data Rate(Mb/s)								
				800ns GI			1600ns GI			3200ns GI		
				20MHz	40MHz	80MHz	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
1	0	BPSK	1/2	8.6	17.2	36	8.1	16.3	34	7.3	14.6	30.6
1	1	QPSK	1/2	17.2	34.4	72.1	16.3	32.5	68.1	14.6	29.3	61.3
1	2	QPSK	3/4	25.8	51.6	108.1	24.4	48.8	102.1	21.9	43.9	91.9
1	3	16-QAM	1/2	34.4	68.8	144.1	32.5	65	136.1	29.3	58.5	122.5
1	4	16-QAM	3/4	51.6	103.2	216.2	48.8	97.5	204.2	43.9	87.8	183.8
1	5	64-QAM	2/3	68.8	137.6	288.2	65	130	272.2	58.5	117	245
1	6	64-QAM	3/4	77.4	154.9	324.3	73.1	146.3	306.3	65.8	131.6	275.6
1	7	64-QAM	5/6	86	172.1	360.3	81.3	162.5	340.3	73.1	146.3	306.3
1	8	256QAM	3/4	103.2	206.5	432.4	97.5	195	408.3	87.8	175.5	367.5
1	9	256QAM	5/6	114.7	229.4	480.4	108.3	216.7	453.7	97.5	195	408.3
1	10	1024QAM	3/4	129	258.1	540.4	121.9	243.8	510.4	109.7	219.4	459.4
1	11	1024QAM	5/6	143.4	286.8	600.5	135.4	270.8	567.1	121.9	243.8	510.4
2	0	BPSK	1/2	17.2	34.4	72	16.2	32.6	68	14.6	29.2	61.2
2	1	QPSK	1/2	34.4	68.8	144.2	32.6	65	136.2	29.2	58.6	122.6
2	2	QPSK	3/4	51.6	103.2	216.2	48.8	97.6	204.2	43.8	87.8	183.8
2	3	16-QAM	1/2	68.8	137.6	288.2	65	130	272.2	58.6	117	245
2	4	16-QAM	3/4	103.2	206.4	432.4	97.6	195	408.4	87.8	175.6	367.6
2	5	64-QAM	2/3	137.6	275.2	576.4	130	260	544.4	117	234	490
2	6	64-QAM	3/4	154.8	309.8	648.6	146.2	292.6	612.6	131.6	263.2	551.2
2	7	64-QAM	5/6	172	344.2	720.6	162.6	325	680.6	146.2	292.6	612.6
2	8	256QAM	3/4	206.4	413	864.8	195	390	816.6	175.6	351	735
2	9	256QAM	5/6	229.4	458.8	960.8	216.6	433.4	907.4	195	390	816.6
2	10	1024QAM	3/4	258	516.2	1080.8	243.8	487.6	1020.8	219.4	438.8	918.8
2	11	1024QAM	5/6	286.8	573.6	1201	270.8	541.6	1134.2	243.8	487.6	1020.8

Note 1: We have evaluated low/mid/high data rate, the blue font is the highest power data rate.
Note 2: The general description of the Item(s), antenna information, data rate, channel list and equipment categories in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n (20MHz)
	Mode 3: Transmit by 802.11n (40MHz)
	Mode 4: Transmit by 802.11ac (20MHz)
	Mode 5: Transmit by 802.11ac (40MHz)
	Mode 6: Transmit by 802.11ac (80MHz)
	Mode 7: Transmit by 802.11ax (20MHz)
	Mode 8: Transmit by 802.11ax (40MHz)
	Mode 9: Transmit by 802.11ax (80MHz)

Note 1: Regards to the frequency band operation: the lowest, middle and highest frequency channel were selected to perform the test, then shown on this report.
Note 2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

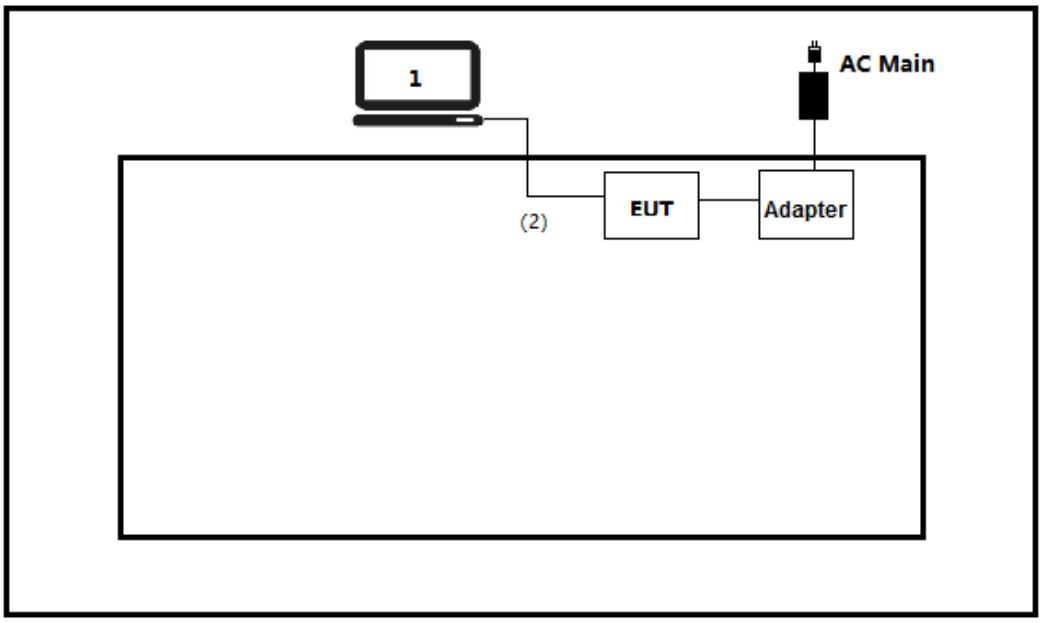
2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) USB Control Cable	N/A	N/A	N/A
(2) USB Control Cable	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

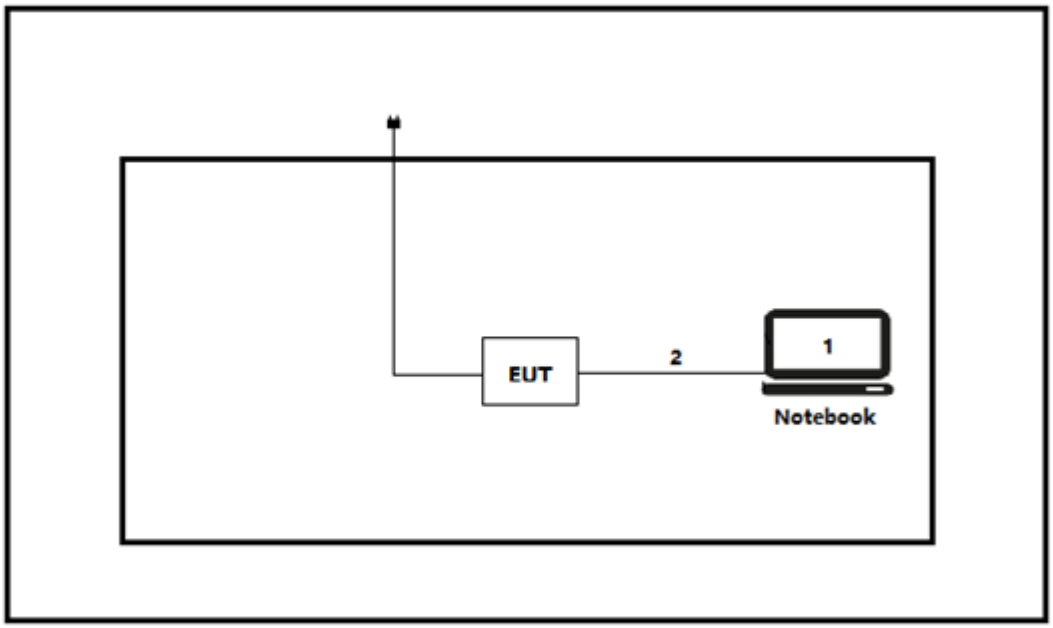
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

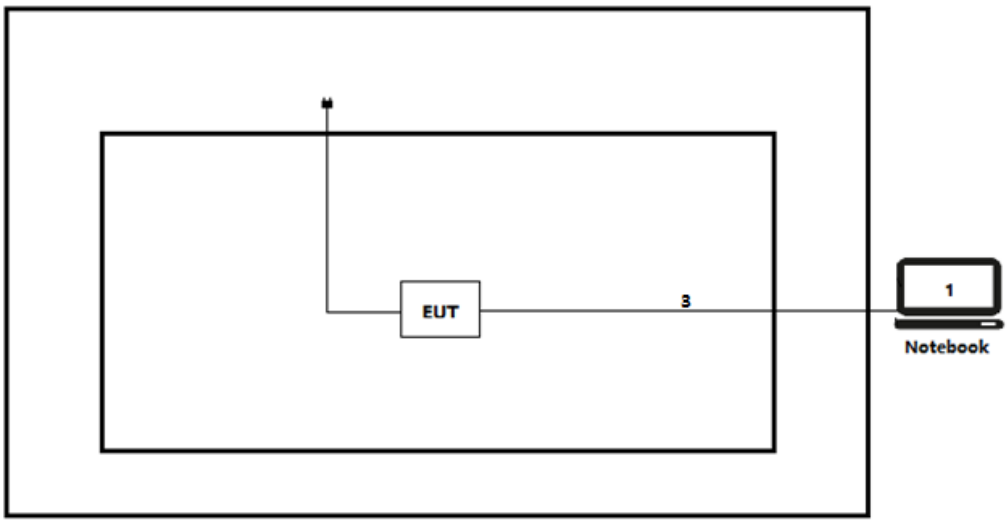
Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Conducted test



Test setup Diagram- Radiated Emission



2.4 Testing process

1	Setup the EUT as shown in Section 2.3.
2	Enter launch execution on the dial screen.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

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
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
FCC CFR Title 47 Part 15 Subpart E	2024	FCC CFR Title 47 Part 15 Subpart E
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	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
RSS-Gen Issue 5 Amendment 2	2021	General Requirements forCompliance of Radio Apparatus
RSS-247 Issue 3	2023	Digital Transmission Systems (DTSs),Frequency Hopping Systems (FHSs)and Licence-Exempt Local Area Network(LE-LAN) Devices

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)	--	**See Remark**
26dB Emission Bandwidth	Band I	15.407(a)(1)	No limit.	**See Remark**
	Band II-A	15.407(a)(2)		
	Band II-C	15.407(a)(2)		
6dB Emission Bandwidth	Band III	15.407(e)	≥ 500 kHz.	**See Remark**
99% Occupied Bandwidth	Band I	KDB 789033 D02§ D	No limit.	**See Remark**
	Band II-A			
	Band II-C			
	Band III			
Duty Cycle	Band I Band II-A Band II-C Band III	--	No limit.	**See Remark**
Maximum Conducted Output Power	Band I	15.407(a)	< 250mW	**PASS**
	Band II-A	15.407(a)(2)	<MIN{250mW,11dBm+10*lg(EBW)}	
	Band II-C			
	Band III	15.407(a)(3)	< 1W	
Maximum Power Spectral Density	Band I	15.407(a)	<11dBm/MHz	**See Remark**
	Band II-A	15.407(a)(2)	<11dBm/MHz	
	Band II-C			
	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 II-A	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	**PASS**
	Band II-C	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 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	**PASS**

			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).	
Unwanted Emissions in the Restricted Bands (Radiated)	Band I Band II-A Band II-C Band III	15.209	---	**See Remark**
AC Power Line Conducted Emissions	Band I Band II-A Band II-C Band III	15.207	---	**PASS**
Frequency Stability	Band I Band II-A Band II-C 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	**See Remark**

Remark:
Only the Maximum Conducted Output Power and Unwanted Emissions that fall Out of the Restricted Bands (Radiated) and AC Power Line Conducted Emissions were fully tested. These items please refer to the Wi-Fi 5G Module report FCCSZ2024-0019-RF2.
The FCC ID is 2AATL-K265B-UU has been certified, and the test report issued by CVC Testing Technology (Shenzhen) Co., Ltd. on 10/15/2024.

Test Item	Band[1]	IC rules No.	Test Requirements	Result
Antenna Requirement	--	RSS-Gen 6.8	--	**See Remark**
26dB Emission Bandwidth	Band I	RSS-247 6.2.4.(2)	No limit.	**See Remark**
	Band II-A			
	Band II-C			
6dB Emission Bandwidth	Band III	RSS-247 6.2.1.(2)	≥ 500 kHz.	**See Remark**
99% Occupied Bandwidth	Band I	RSS-Gen 6.7	No limit.	**See Remark**
	Band II-A			
	Band II-C			
	Band III			
Duty Cycle	Band I Band II-A Band II-C Band III	--	No limit.	**See Remark**
Maximum Conducted Output Power	Band I	RSS-247 6.2.1 (1) RSS-247 6.2.2 (1) RSS-247 6.2.3 (1) RSS-247 6.2.4 (1)	e.i.r.p 30 mW or 1.76 + 10 log10B	**PASS**
	Band II-A			
	Band II-C			
	Band III			
Maximum Power Spectral Density	Band I	RSS-247 6.2.1 (1) RSS-247 6.2.2 (1) RSS-247 6.2.3 (1) RSS-247 6.2.4 (1)	<10dBm/MHz	**See Remark**
	Band II-A		<11dBm/MHz	
	Band II-C			
	Band III		<30dBm/500KHz	
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	Band I	RSS-247 6.2.1 (2) RSS-247 6.2.2 (2) RSS-247 6.2.3 (2) RSS-247 6.2.4 (2)	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 II-A		F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	**PASS**
	Band II-C		F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	**PASS**
	Band III		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	**PASS**

			75 MHz above or below the band edges. F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	
Unwanted Emissions in the Restricted Bands (Radiated)	Band I Band II-A Band II-C Band III	RSS-247 6.2.1 (2) RSS-247 6.2.2 (2) RSS-247 6.2.3 (2) RSS-247 6.2.4 (2)	---	**See Remark**
AC Power Line Conducted Emissions	Band I Band II-A Band II-C Band III	RSS-Gen 8.8	---	**PASS**
Frequency Stability	Band I Band II-A Band II-C Band III	RSS-Gen 8.11 RSS-Gen 6.11	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	**See Remark**

Remark:
Only the Maximum Conducted Output Power and Unwanted Emissions that fall Out of the Restricted Bands (Radiated) and AC Power Line Conducted Emissions were fully tested. These items please refer to the Wi-Fi 5G Module report ISEDSZ2024-0018-RF2.
The IC is 12425A-K265BUU has been certified, and the test report issued by CVC Testing Technology (Shenzhen) Co., Ltd. on 10/15/2024.

Requirement – Test Item	Standard(s)	Verdict	Tset Location	Remark
Power Output	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a) RSS-247 6.2	PASS	**A**	Test data please refer to **Appendix A**
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.209 RSS-247 6.2	PASS	**B**	Test data please refer to **Appendix B**
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: Section 15.205, 15.407(b) RSS-247 6.2	PASS	**B**	Test data please refer to **Appendix C**
AC Power Line Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.207 RSS-Gen 8.8	PASS	**A**	Test data please refer to **Appendix D**

3.4 Power setting in test

Mode	Channel	Frequency (MHz)	Power Setting	
			Main	Aux
Mode 1	36	5180	11.00	9.00
	40	5200	11.00	9.00
	48	5240	13.00	10.00
	52	5260	12.00	12.00
	60	5300	13.00	11.00
	64	5320	12.00	10.00
	100	5500	13.00	12.00
	116	5580	13.00	12.00
	140	5700	13.00	12.00
	149	5745	13.00	11.00
	157	5785	13.00	11.00
	165	5825	13.00	11.00
Mode 2	36	5180	9.00	7.00
	40	5200	9.00	6.00
	48	5240	10.00	6.00
	52	5260	9.00	8.00
	60	5300	9.00	8.00
	64	5320	8.00	7.00
	100	5500	10.00	8.00
	116	5580	10.00	12.00
	140	5700	6.00	5.00
	149	5745	10.00	5.00
	157	5785	6.00	10.00
	165	5825	9.00	10.00
Mode 3	38	5190	8.00	6.00
	46	5230	9.00	6.00
	54	5270	9.00	7.00
	62	5310	8.00	7.00
	102	5510	8.00	6.00
	110	5550	10.00	6.00
	134	5670	10.00	9.00
	151	5755	10.00	9.00
	159	5795	9.00	10.00
Mode 4	36	5180	9.00	4.00
	40	5200	8.00	4.00
	48	5240	8.00	4.00
	52	5260	7.00	6.00
	60	5300	7.00	9.00
	64	5320	6.00	5.00
	100	5500	9.00	8.00
	116	5580	7.00	9.00

	140	5700	6.00	12.00
	149	5745	10.00	6.00
	157	5785	9.00	5.00
	165	5825	9.00	11.00
Mode 5	38	5190	10.00	4.00
	46	5230	8.00	3.00
	54	5270	8.00	8.00
	62	5310	7.00	7.00
	102	5510	7.00	4.00
	110	5550	8.00	10.00
	134	5670	6.00	9.00
	151	5755	8.00	8.00
	159	5795	8.00	8.00
Mode 6	42	5210	8.00	5.00
	58	5290	5.00	6.00
	106	5530	7.00	3.00
	122	5610	8.00	9.00
	155	5775	8.00	11.00
Mode 7	36	5180	8.00	5.00
	40	5200	9.00	6.00
	48	5240	8.00	7.00
	52	5260	8.00	9.00
	60	5300	8.00	8.00
	64	5320	8.00	7.00
	100	5500	9.00	8.00
	116	5580	9.00	9.00
	140	5700	9.00	10.00
	149	5745	10.00	9.00
	157	5785	9.00	10.00
	165	5825	9.00	9.00
Mode 8	38	5190	7.00	4.00
	46	5230	8.00	3.00
	54	5270	9.00	6.00
	62	5310	8.00	5.00
	102	5510	9.00	7.00
	110	5550	9.00	7.00
	134	5670	9.00	9.00
	151	5755	9.00	7.00
	159	5795	9.00	9.00
Mode 9	42	5210	7.00	4.00
	58	5290	6.00	4.00
	106	5530	7.00	3.00
	122	5610	7.00	7.00
	155	5775	8.00	7.00

3.5 Test Matrix

Test item	Model : Xiaomi TV Box S	
	SN: 64065/700090000048(#1)	SN: 63597/700090000118(#2)
Power Output	☒	☐
Radiated Emission	☐	☒
Radiated Emission Band Edge	☐	☒
AC Power Line Conducted Emission	☐	☒
Note1: The only difference between sample #1 and sample #2 is whether to keep the original antenna, sample #1 is a conduction test product that removes the original antenna and is equipped with SMA wires, and sample #2 is a complete product that retains the original antenna.		

3.6 Test Facility

Tset Location A	**:**	**FCC Designation Number: CN1199**
Tset Location B	**:**	**FCC Designation Number: CN1321**
Tset Location A	**:**	**ISED Designation Number: CN0040**
Tset Location B	**:**	**ISED Designation Number: CN0175**

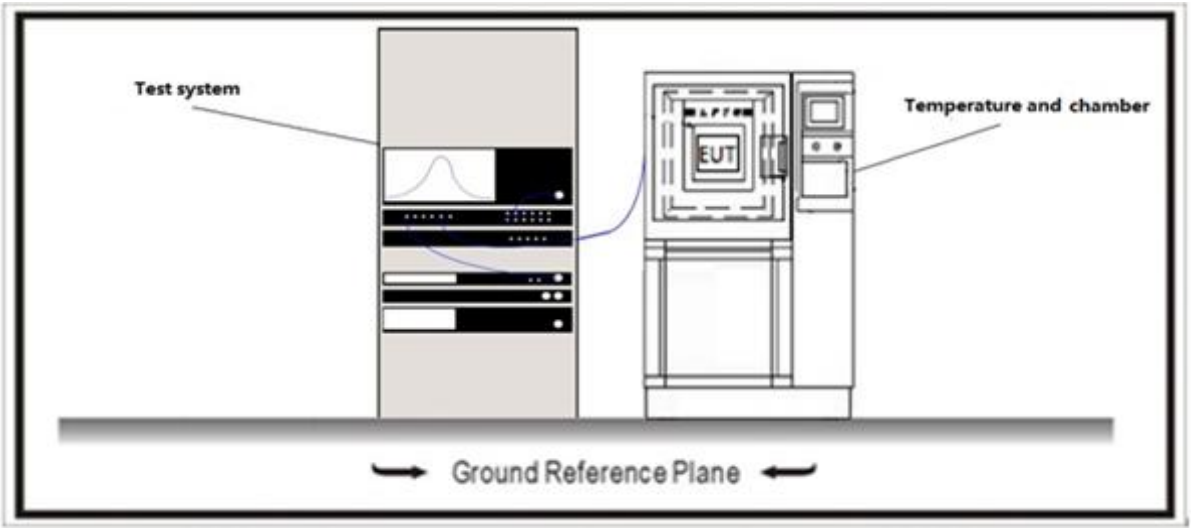
4 TEST RESULTS

4.1 Power Output	VERDICT: PASS

4.1.1 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}>6dBi, then Pout≤30 - (G_{TX} - 6) and ≤125mW at any angle above 30 degrees
	☐	Indoor access point: the maximum conducted output power shall not exceed 1 W. If G_{TX}>6dBi, then Pout≤30 - (G_{TX} - 6)
	☐	Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If G_{TX}> 23dBi, then Pout≤30 - (G_{TX} - 23)
	☒	Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If G_{TX}>6dBi, then Pout≤24 - (G_{TX} - 6)
☒	For the band 5.25-5.35 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm+10 Log B, where B is the 26dB emission bandwidth in MHz. If G_{TX} > 6dBi, then Pout ≤ (The lesser of 24 or 11dBm+10 Log B) - (GTX - 6)
☒	For the 5.47-5.725 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm+10 Log B, where B is the 26dB emission bandwidth in MHz. If G_{TX}>6dBi, then Pout ≤ (The lesser of 24 or 11dBm+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 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 .		
Standard		RSS-247 Issue 3 Paragraph 6.2 & RSS-248 Issue 3 Paragraph 4.5
☒	For the band 5.15-5.25 GHz	
	☐	For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10log10B, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.
	☒	For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.
☒	For the band 5.25-5.35 GHz:	

	☐	For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10log10B, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm + 10 Log B, whichever is less, the maximum e.i.r.p. shall not exceed 1.0 W or 17dBm + 10 Log B, whichever is less, where B is the 99% bandwidth in MHz.
☒	For the 5.47-5.725 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm + 10 Log B, whichever is less, the maximum e.i.r.p. shall not exceed 1.0 W or 17dBm + 10 Log B, whichever is less, where B is the 99% bandwidth in MHz.
☒	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
☒	For the band 5.925-7.125 GHz:	
	☒	Point-to-multipoint systems (P2M): the e.i.r.p. (P_{Out}) shall not exceed the lesser of 24 dBm. 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 24 dBm
Note 1 : GTX directional gain of transmitting antennas. Note 2 : Pout is maximum conducted output power .		

4.1.2 Test Setup



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

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☒	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

4.2 Radiated Emissions	VERDICT: PASS

4.2.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.205, RSS-Gen Issue 5:Section 8.9; RSS-247 Issue 3:Section 6.2; RSS-248 Issue 3:Section 4.6

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			

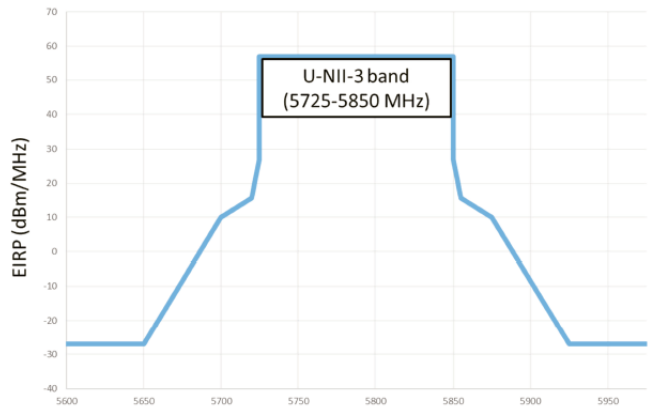
[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2]Above 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)

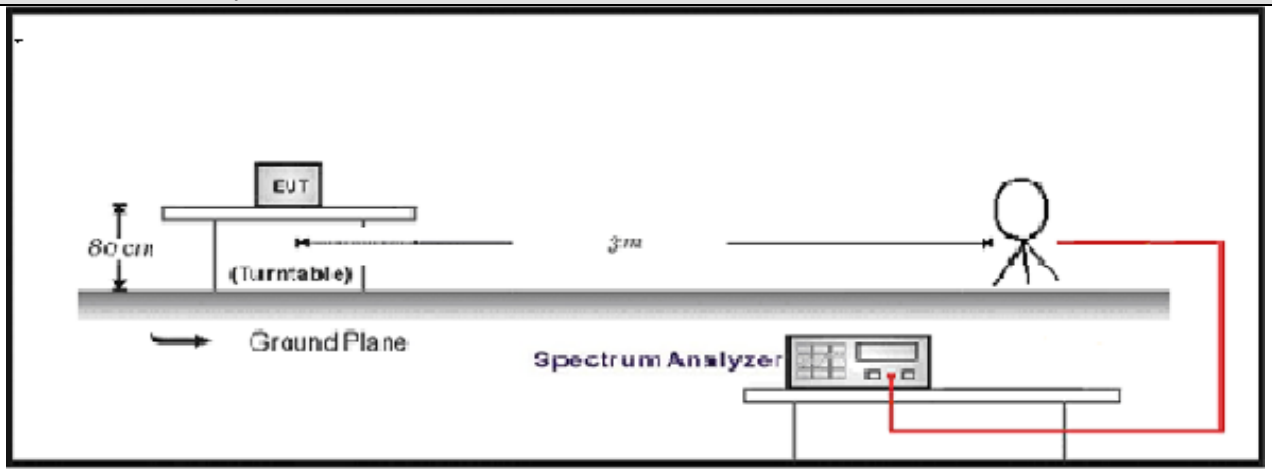
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed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

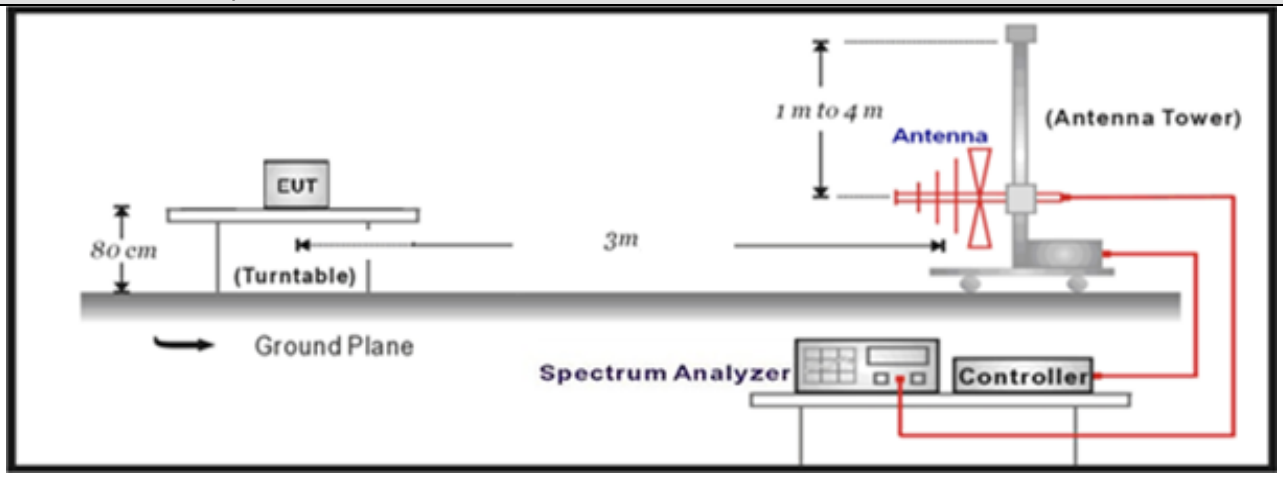
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850		

4.2.2 Test Setup

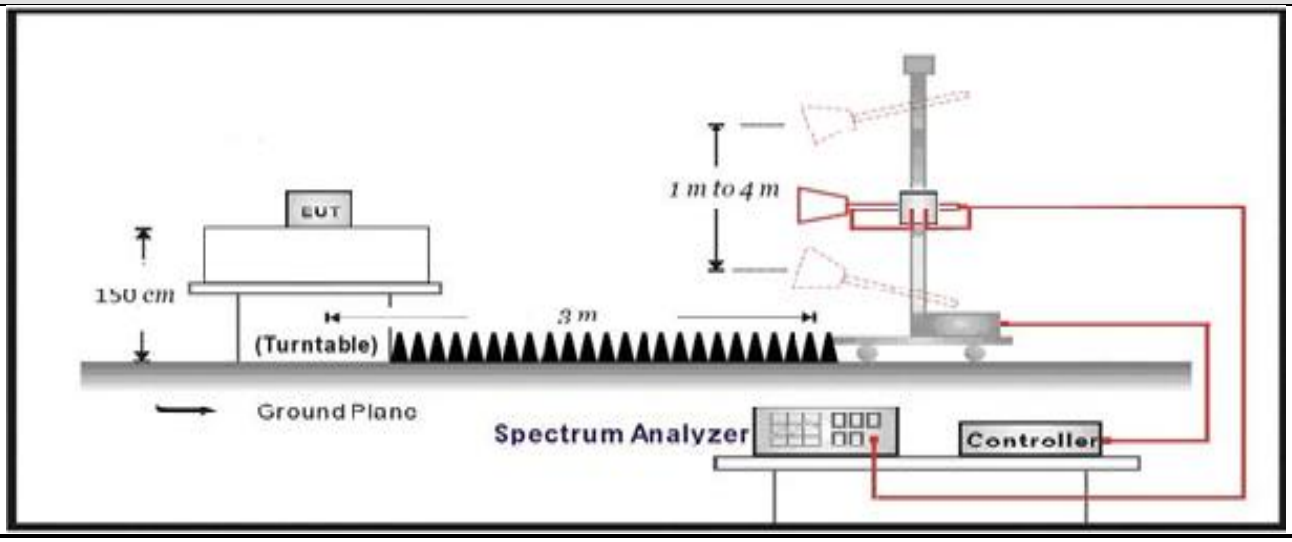
Below 30MHz Test Setup:



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

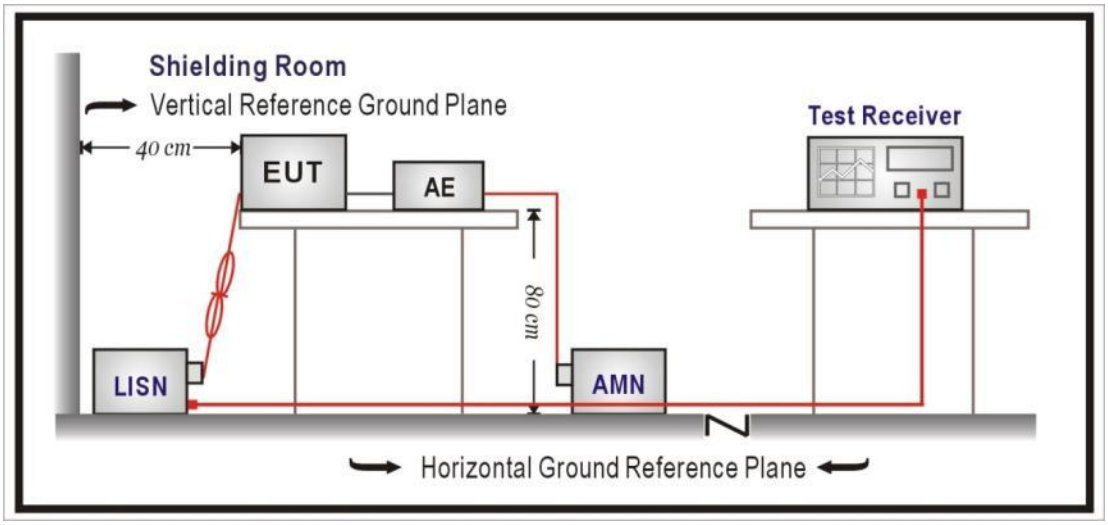
4.3 AC Power Line Conducted Emission — VERDICT: PASS

4.3.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207 & RSS-Gen 8.8	
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.

4.3.2 Test Setup



4.3.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.4 Radiated Emission Band Edge	VERDICT: PASS

4.4.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.205 RSS-Gen Issue 5:Section 8.9; RSS-247 Issue 3:Section 6.2; RSS-248 Issue 3:Section 4.6

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			

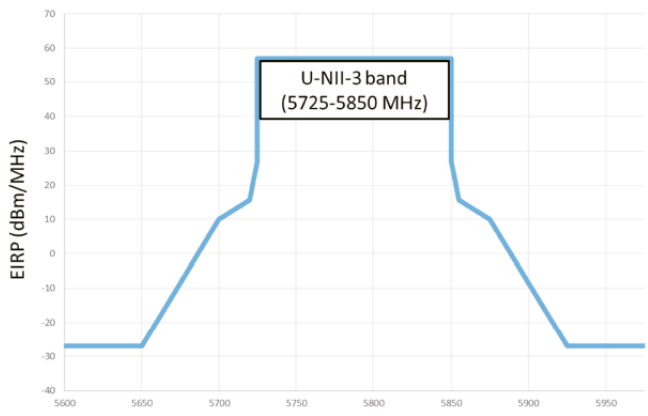
[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2]Above 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)

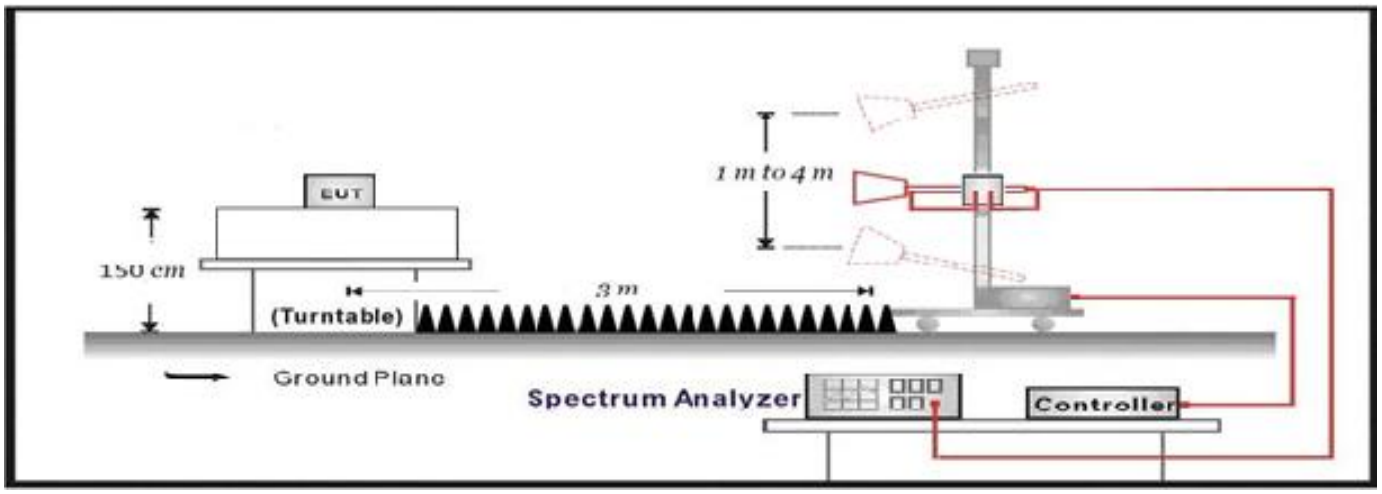
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed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

4.4.2 Test Setup

Above 1GHz Test Setup:



4.4.3 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.

5 TEST SETUP PHOTO AND EUT PHOTO

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

6 TEST RESULT

Appendix A: Power Output

U-NII-1/2A/2C/3

SISO : Main Antenna For FCC							
Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP Power (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	36	5180	12.83	15.30	≤23.60	--	PASS
	40	5200	12.95	15.42	≤23.60	--	PASS
	48	5240	14.30	16.77	≤23.60	--	PASS
	52	5260	13.12	15.66	≤23.60	--	PASS
	60	5300	14.53	17.07	≤23.60	--	PASS
	64	5320	12.93	15.47	≤23.60	--	PASS
	100	5500	13.26	16.05	≤23.60	--	PASS
	116	5580	13.94	16.73	≤23.60	--	PASS
	140	5700	14.48	17.27	≤23.60	--	PASS
	149	5745	13.56	16.01	≤29.62	--	PASS
	157	5785	12.78	15.23	≤29.62	--	PASS
	165	5825	12.69	15.14	≤29.62	--	PASS
Mode 2	36	5180	11.09	13.56	≤23.60	--	PASS
	40	5200	10.33	12.80	≤23.60	--	PASS
	48	5240	11.22	13.69	≤23.60	--	PASS
	52	5260	9.57	12.11	≤23.60	--	PASS
	60	5300	9.67	12.21	≤23.60	--	PASS
	64	5320	9.70	12.24	≤23.60	--	PASS
	100	5500	9.89	12.68	≤23.60	--	PASS
	116	5580	10.15	12.94	≤23.60	--	PASS
	140	5700	7.79	10.58	≤23.60	--	PASS
	149	5745	10.23	12.68	≤29.62	--	PASS
	157	5785	6.33	8.78	≤29.62	--	PASS
	165	5825	9.33	11.78	≤29.62	--	PASS
Mode 3	38	5190	9.86	12.33	≤23.60	--	PASS
	46	5230	10.50	12.97	≤23.60	--	PASS
	54	5270	9.89	12.43	≤23.60	--	PASS
	62	5310	8.61	11.15	≤23.60	--	PASS
	102	5510	7.97	10.76	≤23.60	--	PASS
	110	5550	9.41	12.20	≤23.60	--	PASS
	134	5670	10.70	13.49	≤23.60	--	PASS

	151	5755	10.44	12.89	≤29.62	--	PASS
	159	5795	9.55	12.00	≤29.62	--	PASS
Mode 4	36	5180	10.53	13.00	≤23.60	--	PASS
	40	5200	9.60	12.07	≤23.60	--	PASS
	48	5240	9.76	12.23	≤23.60	--	PASS
	52	5260	7.80	10.34	≤23.60	--	PASS
	60	5300	8.62	11.16	≤23.60	--	PASS
	64	5320	7.49	10.03	≤23.60	--	PASS
	100	5500	8.90	11.69	≤23.60	--	PASS
	116	5580	7.55	10.34	≤23.60	--	PASS
	140	5700	7.54	10.33	≤23.60	--	PASS
	149	5745	9.98	12.43	≤29.62	--	PASS
	157	5785	9.56	12.01	≤29.62	--	PASS
	165	5825	9.12	11.57	≤29.62	--	PASS
Mode 5	38	5190	10.75	13.22	≤23.60	--	PASS
	46	5230	9.23	11.70	≤23.60	--	PASS
	54	5270	8.38	10.92	≤23.60	--	PASS
	62	5310	8.34	10.88	≤23.60	--	PASS
	102	5510	7.06	9.85	≤23.60	--	PASS
	110	5550	7.65	10.44	≤23.60	--	PASS
	134	5670	7.58	10.37	≤23.60	--	PASS
	151	5755	7.81	10.26	≤29.62	--	PASS
	159	5795	8.56	11.01	≤29.62	--	PASS
Mode 6	42	5210	9.12	11.59	≤23.60	--	PASS
	58	5290	6.69	9.23	≤23.60	--	PASS
	106	5530	7.46	10.25	≤23.60	--	PASS
	122	5610	9.74	12.53	≤23.60	--	PASS
	155	5775	8.67	11.12	≤29.62	--	PASS
Mode 7	36	5180	9.62	12.09	≤23.60	--	PASS
	40	5200	9.69	12.16	≤23.60	--	PASS
	48	5240	9.15	11.62	≤23.60	--	PASS
	52	5260	9.14	11.68	≤23.60	--	PASS
	60	5300	9.39	11.93	≤23.60	--	PASS
	64	5320	9.07	11.61	≤23.60	--	PASS
	100	5500	9.08	11.87	≤23.60	--	PASS
	116	5580	9.56	12.35	≤23.60	--	PASS
	140	5700	10.35	13.14	≤23.60	--	PASS
	149	5745	10.33	12.78	≤29.62	--	PASS
	157	5785	9.51	11.96	≤29.62	--	PASS

	165	5825	9.53	11.98	≤29.62	--	PASS
Mode 8	38	5190	8.31	10.78	≤23.60	--	PASS
	46	5230	9.67	12.14	≤23.60	--	PASS
	54	5270	10.54	13.08	≤23.60	--	PASS
	62	5310	8.99	11.53	≤23.60	--	PASS
	102	5510	9.22	12.01	≤23.60	--	PASS
	110	5550	8.73	11.52	≤23.60	--	PASS
	134	5670	10.09	12.88	≤23.60	--	PASS
	151	5755	10.01	12.46	≤29.62	--	PASS
	159	5795	9.22	11.67	≤29.62	--	PASS
Mode 9	42	5210	8.25	10.72	≤23.60	--	PASS
	58	5290	7.17	9.71	≤23.60	--	PASS
	106	5530	7.01	9.80	≤23.60	--	PASS
	122	5610	8.01	10.80	≤23.60	--	PASS
	155	5775	8.79	11.24	≤29.62	--	PASS

SISO : Main Antenna For ISED

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP Power (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	36	5180	12.83	15.30	--	≤21.86	PASS
	40	5200	12.95	15.42	--	≤21.86	PASS
	48	5240	14.30	16.77	--	≤21.86	PASS
	52	5260	13.12	15.66	≤22.86	≤28.86	PASS
	60	5300	14.53	17.07	≤22.86	≤28.86	PASS
	64	5320	12.93	15.47	≤22.86	≤28.86	PASS
	100	5500	13.26	16.05	≤22.86	≤28.86	PASS
	116	5580	13.94	16.73	≤22.86	≤28.86	PASS
	140	5700	14.48	17.27	≤22.86	≤28.86	PASS
	149	5745	13.56	16.01	≤29.62	--	PASS
	157	5785	12.78	15.23	≤29.62	--	PASS
	165	5825	12.69	15.14	≤29.62	--	PASS
Mode 2	36	5180	11.09	13.56	--	≤22.12	PASS
	40	5200	10.33	12.80	--	≤22.12	PASS
	48	5240	11.22	13.69	--	≤22.12	PASS
	52	5260	9.57	12.11	≤23.12	≤29.12	PASS
	60	5300	9.67	12.21	≤23.12	≤29.12	PASS

	64	5320	9.70	12.24	≤23.12	≤29.12	PASS
	100	5500	9.89	12.68	≤23.12	≤29.12	PASS
	116	5580	10.15	12.94	≤23.12	≤29.12	PASS
	140	5700	7.79	10.58	≤23.12	≤29.12	PASS
	149	5745	10.23	12.68	≤29.62	--	PASS
	157	5785	6.33	8.78	≤29.62	--	PASS
	165	5825	9.33	11.78	≤29.62	--	PASS
Mode 3	38	5190	9.86	12.33	--	≤22.62	PASS
	46	5230	10.50	12.97	--	≤22.62	PASS
	54	5270	9.89	12.43	≤23.60	≤29.62	PASS
	62	5310	8.61	11.15	≤23.60	≤29.62	PASS
	102	5510	7.97	10.76	≤23.60	≤29.62	PASS
	110	5550	9.41	12.20	≤23.60	≤29.62	PASS
	134	5670	10.70	13.49	≤23.60	≤29.62	PASS
	151	5755	10.44	12.89	≤29.62	--	PASS
	159	5795	9.55	12.00	≤29.62	--	PASS
Mode 4	36	5180	10.53	13.00	--	≤22.11	PASS
	40	5200	9.60	12.07	--	≤22.11	PASS
	48	5240	9.76	12.23	--	≤22.11	PASS
	52	5260	7.80	10.34	≤23.11	≤29.11	PASS
	60	5300	8.62	11.16	≤23.11	≤29.11	PASS
	64	5320	7.49	10.03	≤23.11	≤29.11	PASS
	100	5500	8.90	11.69	≤23.11	≤29.11	PASS
	116	5580	7.55	10.34	≤23.11	≤29.11	PASS
	140	5700	7.54	10.33	≤23.11	≤29.11	PASS
	149	5745	9.98	12.43	≤29.62	--	PASS
	157	5785	9.56	12.01	≤29.62	--	PASS
	165	5825	9.12	11.57	≤29.62	--	PASS
Mode 5	38	5190	10.75	13.22	--	≤22.37	PASS
	46	5230	9.23	11.70	--	≤22.37	PASS
	54	5270	8.38	10.92	≤23.37	≤29.37	PASS
	62	5310	8.34	10.88	≤23.37	≤29.37	PASS
	102	5510	7.06	9.85	≤23.37	≤29.37	PASS
	110	5550	7.65	10.44	≤23.37	≤29.37	PASS
	134	5670	7.58	10.37	≤23.37	≤29.37	PASS
	151	5755	7.81	10.26	≤29.62	--	PASS
	159	5795	8.56	11.01	≤29.62	--	PASS
Mode 6	42	5210	9.12	11.59	--	≤22.60	PASS
	58	5290	6.69	9.23	≤23.60	≤29.62	PASS

	106	5530	7.46	10.25	≤23.60	≤29.62	PASS
	122	5610	9.74	12.53	≤23.60	≤29.62	PASS
	155	5775	8.67	11.12	≤29.62	--	PASS
Mode 7	36	5180	9.62	12.09	--	≤22.37	PASS
	40	5200	9.69	12.16	--	≤22.37	PASS
	48	5240	9.15	11.62	--	≤22.37	PASS
	52	5260	9.14	11.68	≤23.37	≤29.37	PASS
	60	5300	9.39	11.93	≤23.37	≤29.37	PASS
	64	5320	9.07	11.61	≤23.37	≤29.37	PASS
	100	5500	9.08	11.87	≤23.37	≤29.37	PASS
	116	5580	9.56	12.35	≤23.37	≤29.37	PASS
	140	5700	10.35	13.14	≤23.37	≤29.37	PASS
	149	5745	10.33	12.78	≤29.62	--	PASS
	157	5785	9.51	11.96	≤29.62	--	PASS
	165	5825	9.53	11.98	≤29.62	--	PASS
Mode 8	38	5190	8.31	10.78	--	≤22.62	PASS
	46	5230	9.67	12.14	--	≤22.62	PASS
	54	5270	10.54	13.08	≤23.60	≤29.62	PASS
	62	5310	8.99	11.53	≤23.60	≤29.62	PASS
	102	5510	9.22	12.01	≤23.60	≤29.62	PASS
	110	5550	8.73	11.52	≤23.60	≤29.62	PASS
	134	5670	10.09	12.88	≤23.60	≤29.62	PASS
	151	5755	10.01	12.46	≤29.62	--	PASS
	159	5795	9.22	11.67	≤29.62	--	PASS
Mode 9	42	5210	8.25	10.72	--	≤22.62	PASS
	58	5290	7.17	9.71	≤23.60	≤29.62	PASS
	106	5530	7.01	9.80	≤23.60	≤29.62	PASS
	122	5610	8.01	10.80	≤23.60	≤29.62	PASS
	155	5775	8.79	11.24	≤29.62	--	PASS

SISO : Aux Antenna For FCC

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP Power (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	36	5180	11.98	14.11	≤23.60	--	PASS
	40	5200	11.87	14.00	≤23.60	--	PASS
	48	5240	13.21	15.34	≤23.60	--	PASS
	52	5260	14.31	17.01	≤23.60	--	PASS

	60	5300	13.26	15.96	⩽23.60	--	PASS
	64	5320	13.08	15.78	⩽23.60	--	PASS
	100	5500	13.07	15.83	⩽23.60	--	PASS
	116	5580	14.08	16.84	⩽23.60	--	PASS
	140	5700	13.48	16.24	⩽23.60	--	PASS
	149	5745	12.45	14.63	⩽29.62	--	PASS
	157	5785	12.51	14.69	⩽29.62	--	PASS
	165	5825	11.69	13.87	⩽29.62	--	PASS
Mode 2	36	5180	9.59	11.72	⩽23.60	--	PASS
	40	5200	8.35	10.48	⩽23.60	--	PASS
	48	5240	8.68	10.81	⩽23.60	--	PASS
	52	5260	9.78	12.48	⩽23.60	--	PASS
	60	5300	10.03	12.73	⩽23.60	--	PASS
	64	5320	9.60	12.30	⩽23.60	--	PASS
	100	5500	8.55	11.31	⩽23.60	--	PASS
	116	5580	13.76	16.52	⩽23.60	--	PASS
	140	5700	5.45	8.21	⩽23.60	--	PASS
	149	5745	5.44	7.62	⩽29.62	--	PASS
	157	5785	11.23	13.41	⩽29.62	--	PASS
	165	5825	11.31	13.49	⩽29.62	--	PASS
Mode 3	38	5190	8.32	10.45	⩽23.60	--	PASS
	46	5230	8.50	10.63	⩽23.60	--	PASS
	54	5270	9.44	12.14	⩽23.60	--	PASS
	62	5310	9.29	11.99	⩽23.60	--	PASS
	102	5510	6.91	9.67	⩽23.60	--	PASS
	110	5550	7.81	10.57	⩽23.60	--	PASS
	134	5670	9.49	12.25	⩽23.60	--	PASS
	151	5755	9.12	11.30	⩽29.62	--	PASS
	159	5795	10.33	12.51	⩽29.62	--	PASS
Mode 4	36	5180	7.03	9.16	⩽23.60	--	PASS
	40	5200	5.98	8.11	⩽23.60	--	PASS
	48	5240	6.23	8.36	⩽23.60	--	PASS
	52	5260	8.06	10.76	⩽23.60	--	PASS
	60	5300	11.30	14.00	⩽23.60	--	PASS
	64	5320	7.25	9.95	⩽23.60	--	PASS
	100	5500	8.71	11.47	⩽23.60	--	PASS
	116	5580	10.37	13.13	⩽23.60	--	PASS
	140	5700	13.13	15.89	⩽23.60	--	PASS
	149	5745	6.41	8.59	⩽29.62	--	PASS

	157	5785	5.61	7.79	≤29.62	--	PASS
	165	5825	11.56	13.74	≤29.62	--	PASS
Mode 5	38	5190	6.44	8.57	≤23.60	--	PASS
	46	5230	5.04	7.17	≤23.60	--	PASS
	54	5270	10.28	12.98	≤23.60	--	PASS
	62	5310	9.34	12.04	≤23.60	--	PASS
	102	5510	4.26	7.02	≤23.60	--	PASS
	110	5550	11.39	14.15	≤23.60	--	PASS
	134	5670	9.88	12.64	≤23.60	--	PASS
	151	5755	7.61	9.79	≤29.62	--	PASS
	159	5795	7.93	10.11	≤29.62	--	PASS
Mode 6	42	5210	7.26	9.39	≤23.60	--	PASS
	58	5290	8.28	10.98	≤23.60	--	PASS
	106	5530	4.39	7.15	≤23.60	--	PASS
	122	5610	9.94	12.70	≤23.60	--	PASS
	155	5775	12.13	14.31	≤29.62	--	PASS
Mode 7	36	5180	7.43	9.56	≤23.60	--	PASS
	40	5200	8.17	10.30	≤23.60	--	PASS
	48	5240	9.16	11.29	≤23.60	--	PASS
	52	5260	10.49	13.19	≤23.60	--	PASS
	60	5300	10.05	12.75	≤23.60	--	PASS
	64	5320	9.34	12.04	≤23.60	--	PASS
	100	5500	8.72	11.48	≤23.60	--	PASS
	116	5580	9.92	12.68	≤23.60	--	PASS
	140	5700	10.31	13.07	≤23.60	--	PASS
	149	5745	9.44	11.62	≤29.62	--	PASS
	157	5785	11.01	13.19	≤29.62	--	PASS
	165	5825	8.88	11.06	≤29.62	--	PASS
Mode 8	38	5190	6.31	8.44	≤23.60	--	PASS
	46	5230	5.76	7.89	≤23.60	--	PASS
	54	5270	7.86	10.56	≤23.60	--	PASS
	62	5310	7.81	10.51	≤23.60	--	PASS
	102	5510	7.83	10.59	≤23.60	--	PASS
	110	5550	8.49	11.25	≤23.60	--	PASS
	134	5670	10.08	12.84	≤23.60	--	PASS
	151	5755	7.89	10.07	≤29.62	--	PASS
	159	5795	9.37	11.55	≤29.62	--	PASS
Mode 9	42	5210	7.77	9.90	≤23.60	--	PASS
	58	5290	6.91	9.61	≤23.60	--	PASS

	106	5530	4.23	6.99	⩽23.60	--	PASS
	122	5610	7.15	9.91	⩽23.60	--	PASS
	155	5775	7.66	9.84	⩽29.62	--	PASS

SISO : Aux Antenna For ISED

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP Power (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	36	5180	11.98	14.11	--	⩽21.86	PASS
	40	5200	11.87	14.00	--	⩽21.86	PASS
	48	5240	13.21	15.34	--	⩽21.86	PASS
	52	5260	14.31	17.01	⩽22.86	⩽28.86	PASS
	60	5300	13.26	15.96	⩽22.86	⩽28.86	PASS
	64	5320	13.08	15.78	⩽22.86	⩽28.86	PASS
	100	5500	13.07	15.83	⩽22.86	⩽28.86	PASS
	116	5580	14.08	16.84	⩽22.86	⩽28.86	PASS
	140	5700	13.48	16.24	⩽22.86	⩽28.86	PASS
	149	5745	12.45	14.63	⩽29.62	--	PASS
	157	5785	12.51	14.69	⩽29.62	--	PASS
	165	5825	11.69	13.87	⩽29.62	--	PASS
Mode 2	36	5180	9.59	11.72	--	⩽22.12	PASS
	40	5200	8.35	10.48	--	⩽22.12	PASS
	48	5240	8.68	10.81	--	⩽22.12	PASS
	52	5260	9.78	12.48	⩽23.12	⩽29.12	PASS
	60	5300	10.03	12.73	⩽23.12	⩽29.12	PASS
	64	5320	9.60	12.30	⩽23.12	⩽29.12	PASS
	100	5500	8.55	11.31	⩽23.12	⩽29.12	PASS
	116	5580	13.76	16.52	⩽23.12	⩽29.12	PASS
	140	5700	5.45	8.21	⩽23.12	⩽29.12	PASS
	149	5745	5.44	7.62	⩽29.62	--	PASS
	157	5785	11.23	13.41	⩽29.62	--	PASS
	165	5825	11.31	13.49	⩽29.62	--	PASS
Mode 3	38	5190	8.32	10.45	--	⩽22.62	PASS
	46	5230	8.50	10.63	--	⩽22.62	PASS
	54	5270	9.44	12.14	⩽23.60	⩽29.62	PASS
	62	5310	9.29	11.99	⩽23.60	⩽29.62	PASS
	102	5510	6.91	9.67	⩽23.60	⩽29.62	PASS
	110	5550	7.81	10.57	⩽23.60	⩽29.62	PASS

	134	5670	9.49	12.25	≤23.60	≤29.62	PASS
	151	5755	9.12	11.30	≤29.62	--	PASS
	159	5795	10.33	12.51	≤29.62	--	PASS
Mode 4	36	5180	7.03	9.16	--	≤22.11	PASS
	40	5200	5.98	8.11	--	≤22.11	PASS
	48	5240	6.23	8.36	--	≤22.11	PASS
	52	5260	8.06	10.76	≤23.11	≤29.11	PASS
	60	5300	11.30	14.00	≤23.11	≤29.11	PASS
	64	5320	7.25	9.95	≤23.11	≤29.11	PASS
	100	5500	8.71	11.47	≤23.11	≤29.11	PASS
	116	5580	10.37	13.13	≤23.11	≤29.11	PASS
	140	5700	13.13	15.89	≤23.11	≤29.11	PASS
	149	5745	6.41	8.59	≤29.62	--	PASS
	157	5785	5.61	7.79	≤29.62	--	PASS
	165	5825	11.56	13.74	≤29.62	--	PASS
Mode 5	38	5190	6.44	8.57	--	≤22.37	PASS
	46	5230	5.04	7.17	--	≤22.37	PASS
	54	5270	10.28	12.98	≤23.37	≤29.37	PASS
	62	5310	9.34	12.04	≤23.37	≤29.37	PASS
	102	5510	4.26	7.02	≤23.37	≤29.37	PASS
	110	5550	11.39	14.15	≤23.37	≤29.37	PASS
	134	5670	9.88	12.64	≤23.37	≤29.37	PASS
	151	5755	7.61	9.79	≤29.62	--	PASS
	159	5795	7.93	10.11	≤29.62	--	PASS
Mode 6	42	5210	7.26	9.39	--	≤22.60	PASS
	58	5290	8.28	10.98	≤23.60	≤29.62	PASS
	106	5530	4.39	7.15	≤23.60	≤29.62	PASS
	122	5610	9.94	12.70	≤23.60	≤29.62	PASS
	155	5775	12.13	14.31	≤29.62	--	PASS
Mode 7	36	5180	7.43	9.56	--	≤22.37	PASS
	40	5200	8.17	10.30	--	≤22.37	PASS
	48	5240	9.16	11.29	--	≤22.37	PASS
	52	5260	10.49	13.19	≤23.37	≤29.37	PASS
	60	5300	10.05	12.75	≤23.37	≤29.37	PASS
	64	5320	9.34	12.04	≤23.37	≤29.37	PASS
	100	5500	8.72	11.48	≤23.37	≤29.37	PASS
	116	5580	9.92	12.68	≤23.37	≤29.37	PASS
	140	5700	10.31	13.07	≤23.37	≤29.37	PASS
	149	5745	9.44	11.62	≤29.62	--	PASS

	157	5785	11.01	13.19	⩽29.62	--	PASS
	165	5825	8.88	11.06	⩽29.62	--	PASS
Mode 8	38	5190	6.31	8.44	--	⩽22.62	PASS
	46	5230	5.76	7.89	--	⩽22.62	PASS
	54	5270	7.86	10.56	⩽23.60	⩽29.62	PASS
	62	5310	7.81	10.51	⩽23.60	⩽29.62	PASS
	102	5510	7.83	10.59	⩽23.60	⩽29.62	PASS
	110	5550	8.49	11.25	⩽23.60	⩽29.62	PASS
	134	5670	10.08	12.84	⩽23.60	⩽29.62	PASS
	151	5755	7.89	10.07	⩽29.62	--	PASS
	159	5795	9.37	11.55	⩽29.62	--	PASS
Mode 9	42	5210	7.77	9.90	--	⩽22.62	PASS
	58	5290	6.91	9.61	⩽23.60	⩽29.62	PASS
	106	5530	4.23	6.99	⩽23.60	⩽29.62	PASS
	122	5610	7.15	9.91	⩽23.60	⩽29.62	PASS
	155	5775	7.66	9.84	⩽29.62	--	PASS

MIMO : Main+Aux Antenna For FCC

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP Power (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 2	36	5180	13.41	15.71	⩽23.60	--	PASS
	40	5200	12.46	14.76	⩽23.60	--	PASS
	48	5240	13.14	15.44	⩽23.60	--	PASS
	52	5260	12.69	15.31	⩽23.60	--	PASS
	60	5300	12.86	15.48	⩽23.60	--	PASS
	64	5320	12.66	15.28	⩽23.60	--	PASS
	100	5500	12.28	15.06	⩽23.60	--	PASS
	116	5580	15.33	18.11	⩽23.60	--	PASS
	140	5700	9.79	12.56	⩽23.60	--	PASS
	149	5745	11.47	13.79	⩽29.62	--	PASS
	157	5785	12.45	14.76	⩽29.62	--	PASS
	165	5825	13.44	15.76	⩽29.62	--	PASS
Mode 3	38	5190	12.17	14.47	⩽23.60	--	PASS
	46	5230	12.62	14.92	⩽23.60	--	PASS
	54	5270	12.68	15.30	⩽23.60	--	PASS
	62	5310	11.97	14.59	⩽23.60	--	PASS
	102	5510	10.48	13.26	⩽23.60	--	PASS

	110	5550	11.69	14.47	⩽23.60	--	PASS
	134	5670	13.15	15.92	⩽23.60	--	PASS
	151	5755	12.84	15.16	⩽29.62	--	PASS
	159	5795	12.97	15.28	⩽29.62	--	PASS
Mode 4	36	5180	12.13	14.43	⩽23.60	--	PASS
	40	5200	11.17	13.47	⩽23.60	--	PASS
	48	5240	11.35	13.65	⩽23.60	--	PASS
	52	5260	10.94	13.56	⩽23.60	--	PASS
	60	5300	13.17	15.79	⩽23.60	--	PASS
	64	5320	10.38	13.00	⩽23.60	--	PASS
	100	5500	11.82	14.59	⩽23.60	--	PASS
	116	5580	12.20	14.97	⩽23.60	--	PASS
	140	5700	14.19	16.96	⩽23.60	--	PASS
	149	5745	11.56	13.88	⩽29.62	--	PASS
	157	5785	11.03	13.34	⩽29.62	--	PASS
	165	5825	13.52	15.83	⩽29.62	--	PASS
Mode 5	38	5190	12.12	14.42	⩽23.60	--	PASS
	46	5230	10.63	12.93	⩽23.60	--	PASS
	54	5270	12.44	15.06	⩽23.60	--	PASS
	62	5310	11.88	14.50	⩽23.60	--	PASS
	102	5510	8.89	11.67	⩽23.60	--	PASS
	110	5550	12.92	15.70	⩽23.60	--	PASS
	134	5670	11.89	14.67	⩽23.60	--	PASS
	151	5755	10.72	13.04	⩽29.62	--	PASS
	159	5795	11.27	13.58	⩽29.62	--	PASS
Mode 6	42	5210	11.30	13.60	⩽23.60	--	PASS
	58	5290	10.57	13.19	⩽23.60	--	PASS
	106	5530	9.20	11.98	⩽23.60	--	PASS
	122	5610	12.85	15.63	⩽23.60	--	PASS
	155	5775	13.75	16.06	⩽29.62	--	PASS
Mode 7	36	5180	11.67	13.97	⩽23.60	--	PASS
	40	5200	12.01	14.31	⩽23.60	--	PASS
	48	5240	12.17	14.47	⩽23.60	--	PASS
	52	5260	12.88	15.50	⩽23.60	--	PASS
	60	5300	12.74	15.36	⩽23.60	--	PASS
	64	5320	12.22	14.84	⩽23.60	--	PASS
	100	5500	11.91	14.69	⩽23.60	--	PASS
	116	5580	12.75	15.53	⩽23.60	--	PASS
	140	5700	13.34	16.12	⩽23.60	--	PASS

	149	5745	12.92	15.23	≤29.62	--	PASS
	157	5785	13.33	15.65	≤29.62	--	PASS
	165	5825	12.23	14.54	≤29.62	--	PASS
Mode 8	38	5190	10.43	12.73	≤23.60	--	PASS
	46	5230	11.15	13.45	≤23.60	--	PASS
	54	5270	12.41	15.03	≤23.60	--	PASS
	62	5310	11.45	14.07	≤23.60	--	PASS
	102	5510	11.59	14.37	≤23.60	--	PASS
	110	5550	11.62	14.40	≤23.60	--	PASS
	134	5670	13.10	15.87	≤23.60	--	PASS
	151	5755	12.09	14.40	≤29.62	--	PASS
	159	5795	12.31	14.62	≤29.62	--	PASS
Mode 9	42	5210	11.03	13.33	≤23.60	--	PASS
	58	5290	10.05	12.67	≤23.60	--	PASS
	106	5530	8.85	11.62	≤23.60	--	PASS
	122	5610	10.61	13.39	≤23.60	--	PASS
	155	5775	11.27	13.59	≤29.62	--	PASS

MIMO : Main+Aux Antenna For ISED

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP Power (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 2	36	5180	13.41	15.71	--	≤22.12	PASS
	40	5200	12.46	14.76	--	≤22.12	PASS
	48	5240	13.14	15.44	--	≤22.12	PASS
	52	5260	12.69	15.31	≤23.12	≤29.12	PASS
	60	5300	12.86	15.48	≤23.12	≤29.12	PASS
	64	5320	12.66	15.28	≤23.12	≤29.12	PASS
	100	5500	12.28	15.06	≤23.12	≤29.12	PASS
	116	5580	15.33	18.11	≤23.12	≤29.12	PASS
	140	5700	9.79	12.56	≤23.12	≤29.12	PASS
	149	5745	11.47	13.79	≤29.62	--	PASS
	157	5785	12.45	14.76	≤29.62	--	PASS
	165	5825	13.44	15.76	≤29.62	--	PASS
Mode 3	38	5190	12.17	14.47	--	≤22.62	PASS
	46	5230	12.62	14.92	--	≤22.62	PASS
	54	5270	12.68	15.30	≤23.60	≤29.62	PASS

	62	5310	11.97	14.59	≤23.60	≤29.62	PASS
	102	5510	10.48	13.26	≤23.60	≤29.62	PASS
	110	5550	11.69	14.47	≤23.60	≤29.62	PASS
	134	5670	13.15	15.92	≤23.60	≤29.62	PASS
	151	5755	12.84	15.16	≤29.62	--	PASS
	159	5795	12.97	15.28	≤29.62	--	PASS
Mode 4	36	5180	12.13	14.43	--	≤22.11	PASS
	40	5200	11.17	13.47	--	≤22.11	PASS
	48	5240	11.35	13.65	--	≤22.11	PASS
	52	5260	10.94	13.56	≤23.11	≤29.11	PASS
	60	5300	13.17	15.79	≤23.11	≤29.11	PASS
	64	5320	10.38	13.00	≤23.11	≤29.11	PASS
	100	5500	11.82	14.59	≤23.11	≤29.11	PASS
	116	5580	12.20	14.97	≤23.11	≤29.11	PASS
	140	5700	14.19	16.96	≤23.11	≤29.11	PASS
	149	5745	11.56	13.88	≤29.62	--	PASS
	157	5785	11.03	13.34	≤29.62	--	PASS
	165	5825	13.52	15.83	≤29.62	--	PASS
Mode 5	38	5190	12.12	14.42	--	≤22.37	PASS
	46	5230	10.63	12.93	--	≤22.37	PASS
	54	5270	12.44	15.06	≤23.37	≤29.37	PASS
	62	5310	11.88	14.50	≤23.37	≤29.37	PASS
	102	5510	8.89	11.67	≤23.37	≤29.37	PASS
	110	5550	12.92	15.70	≤23.37	≤29.37	PASS
	134	5670	11.89	14.67	≤23.37	≤29.37	PASS
	151	5755	10.72	13.04	≤29.62	--	PASS
	159	5795	11.27	13.58	≤29.62	--	PASS
Mode 6	42	5210	11.30	13.60	--	≤22.60	PASS
	58	5290	10.57	13.19	≤23.60	≤29.62	PASS
	106	5530	9.20	11.98	≤23.60	≤29.62	PASS
	122	5610	12.85	15.63	≤23.60	≤29.62	PASS
	155	5775	13.75	16.06	≤29.62	--	PASS
Mode 7	36	5180	11.67	13.97	--	≤22.37	PASS
	40	5200	12.01	14.31	--	≤22.37	PASS
	48	5240	12.17	14.47	--	≤22.37	PASS
	52	5260	12.88	15.50	≤23.37	≤29.37	PASS
	60	5300	12.74	15.36	≤23.37	≤29.37	PASS
	64	5320	12.22	14.84	≤23.37	≤29.37	PASS
	100	5500	11.91	14.69	≤23.37	≤29.37	PASS

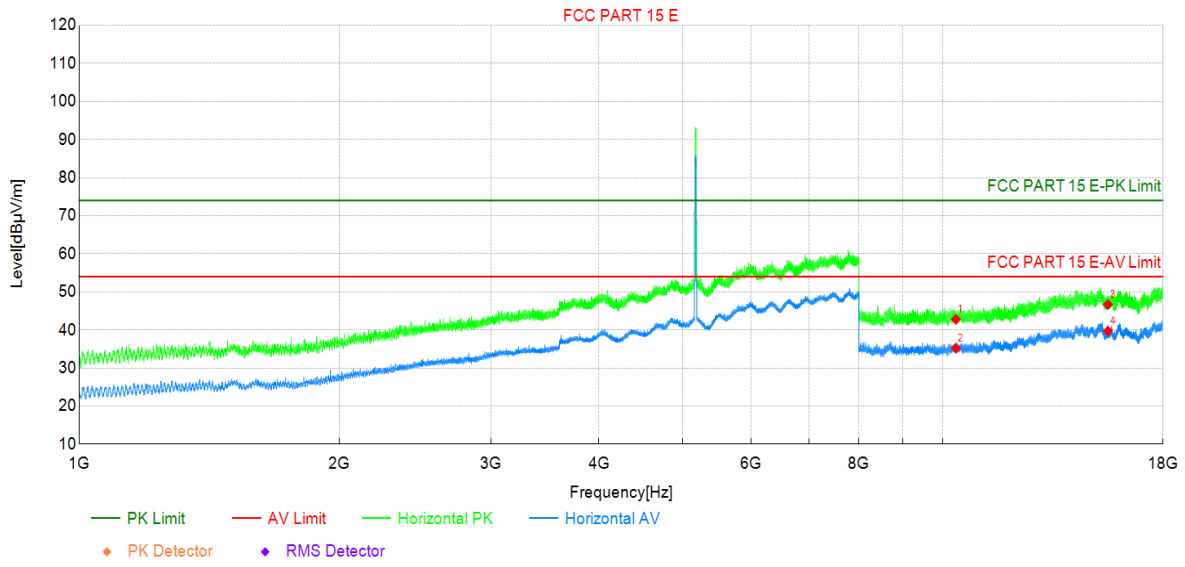
	116	5580	12.75	15.53	≤23.37	≤29.37	PASS
	140	5700	13.34	16.12	≤23.37	≤29.37	PASS
	149	5745	12.92	15.23	≤29.62	--	PASS
	157	5785	13.33	15.65	≤29.62	--	PASS
	165	5825	12.23	14.54	≤29.62	--	PASS
Mode 8	38	5190	10.43	12.73	--	≤22.62	PASS
	46	5230	11.15	13.45	--	≤22.62	PASS
	54	5270	12.41	15.03	≤23.60	≤29.62	PASS
	62	5310	11.45	14.07	≤23.60	≤29.62	PASS
	102	5510	11.59	14.37	≤23.60	≤29.62	PASS
	110	5550	11.62	14.40	≤23.60	≤29.62	PASS
	134	5670	13.10	15.87	≤23.60	≤29.62	PASS
	151	5755	12.09	14.40	≤29.62	--	PASS
	159	5795	12.31	14.62	≤29.62	--	PASS
Mode 9	42	5210	11.03	13.33	--	≤22.62	PASS
	58	5290	10.05	12.67	≤23.60	≤29.62	PASS
	106	5530	8.85	11.62	≤23.60	≤29.62	PASS
	122	5610	10.61	13.39	≤23.60	≤29.62	PASS
	155	5775	11.27	13.59	≤29.62	--	PASS

Note 1. EIRP=Conducted power+ Antenna Gain.
Note 2. Antenna Gain Refer to Clause 1.2.

Appendix B: Radiated Emission
Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5180MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



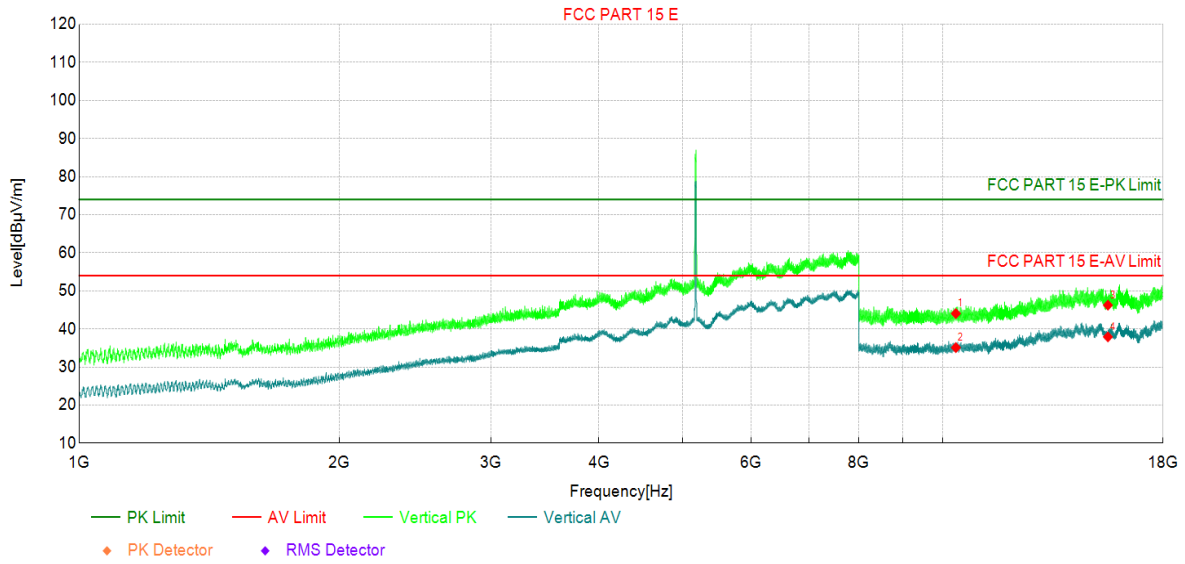
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10360	36.36	42.78	6.42	74.00	31.22	PK	Horizo	PASS
2	10360	28.78	35.20	6.42	54.00	18.80	AV	Horizo	PASS
3	15540	32.86	46.68	13.82	74.00	27.32	PK	Horizo	PASS
4	15540	25.91	39.73	13.82	54.00	14.27	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5180MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



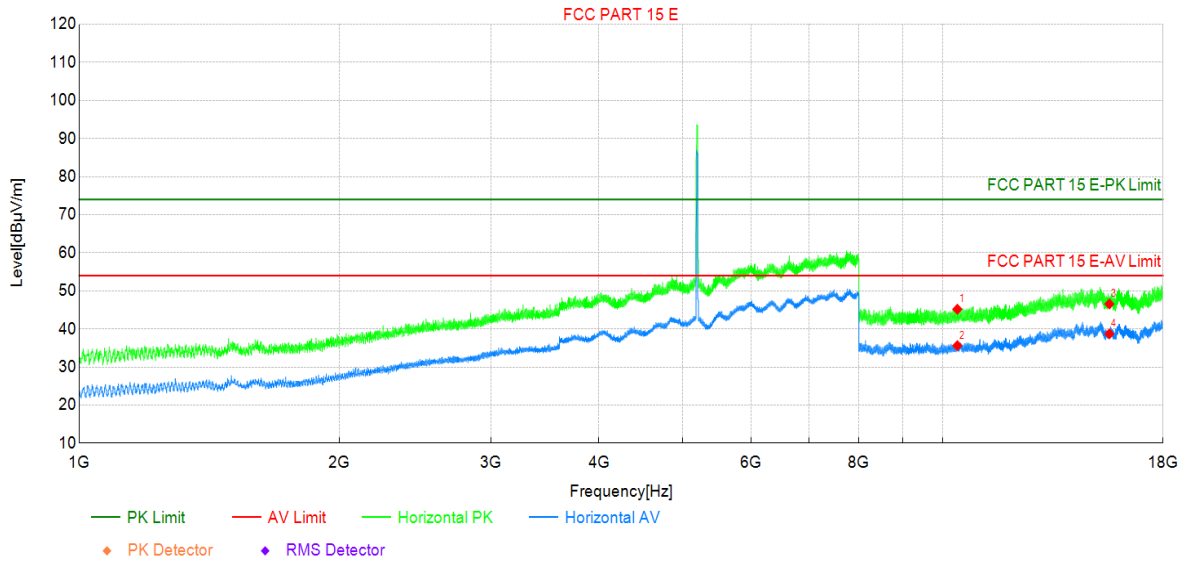
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10360	37.62	44.04	6.42	74.00	29.96	PK	Vertic	PASS
2	10360	28.68	35.10	6.42	54.00	18.90	AV	Vertic	PASS
3	15540	32.42	46.24	13.82	74.00	27.76	PK	Vertic	PASS
4	15540	24.10	37.92	13.82	54.00	16.08	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5200MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



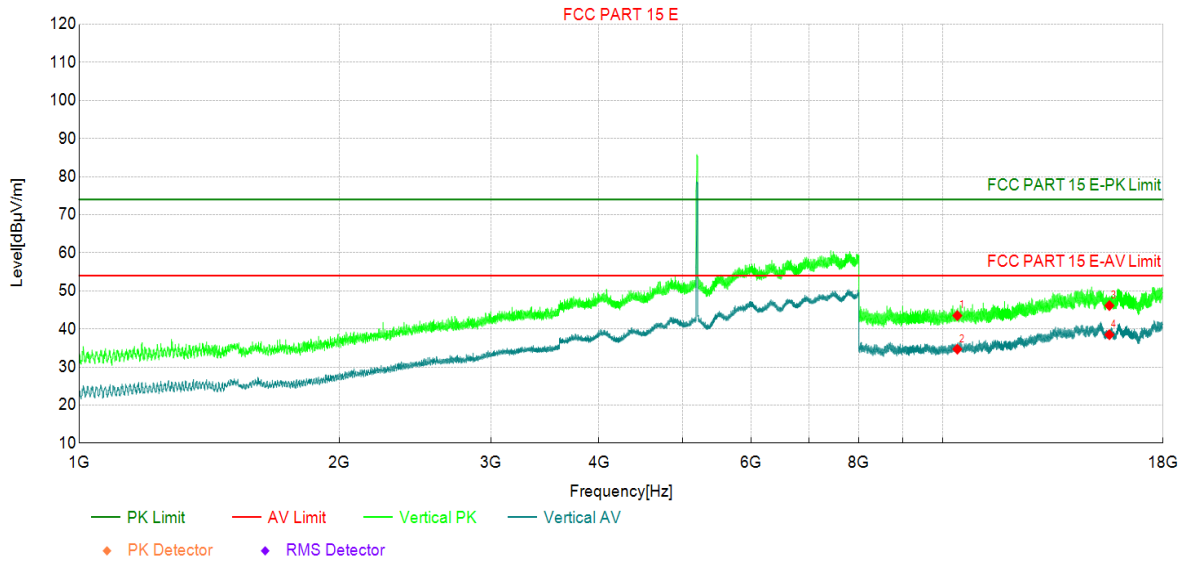
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10400	38.80	45.18	6.38	74.00	28.82	PK	Horizo	PASS
2	10400	29.23	35.61	6.38	54.00	18.39	AV	Horizo	PASS
3	15600	33.14	46.56	13.42	74.00	27.44	PK	Horizo	PASS
4	15600	25.28	38.70	13.42	54.00	15.30	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5200MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

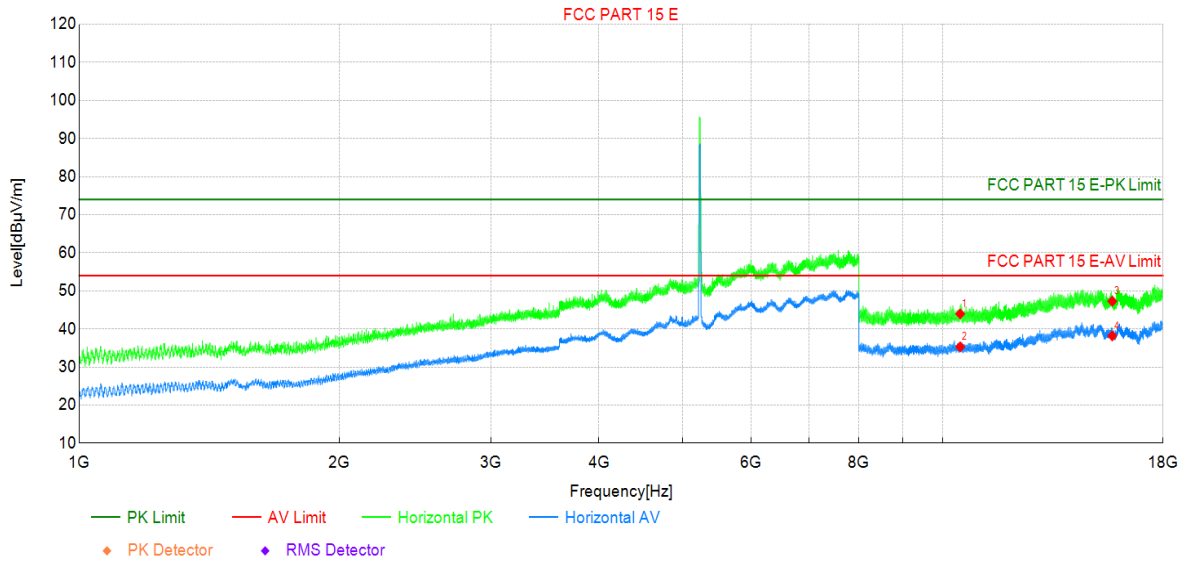
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10400	37.12	43.50	6.38	74.00	30.50	PK	Vertic	PASS
2	10400	28.30	34.68	6.38	54.00	19.32	AV	Vertic	PASS
3	15600	32.72	46.14	13.42	74.00	27.86	PK	Vertic	PASS
4	15600	25.07	38.49	13.42	54.00	15.51	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5240MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



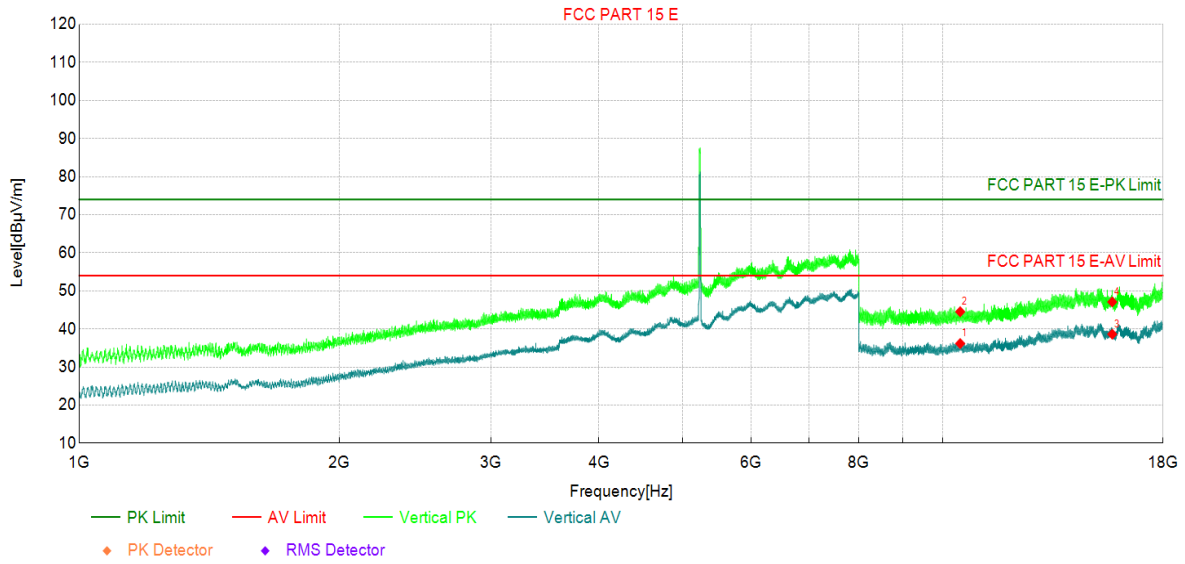
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10480	37.13	43.95	6.82	74.00	30.05	PK	Horizo	PASS
2	10480	28.47	35.29	6.82	54.00	18.71	AV	Horizo	PASS
3	15720	32.76	47.28	14.52	74.00	26.72	PK	Horizo	PASS
4	15720	23.66	38.18	14.52	54.00	15.82	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5240MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



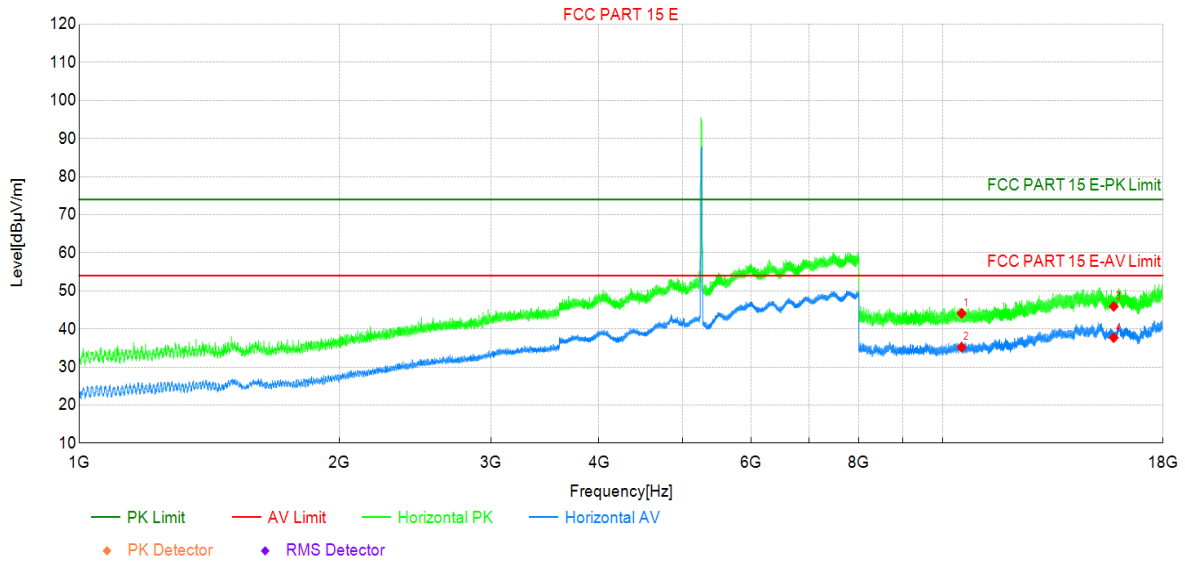
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10480	29.34	36.16	6.82	54.00	17.84	AV	Vertic	PASS
2	10480	37.69	44.51	6.82	74.00	29.49	PK	Vertic	PASS
3	15720	24.11	38.63	14.52	54.00	15.37	AV	Vertic	PASS
4	15720	32.58	47.10	14.52	74.00	26.90	PK	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5260MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



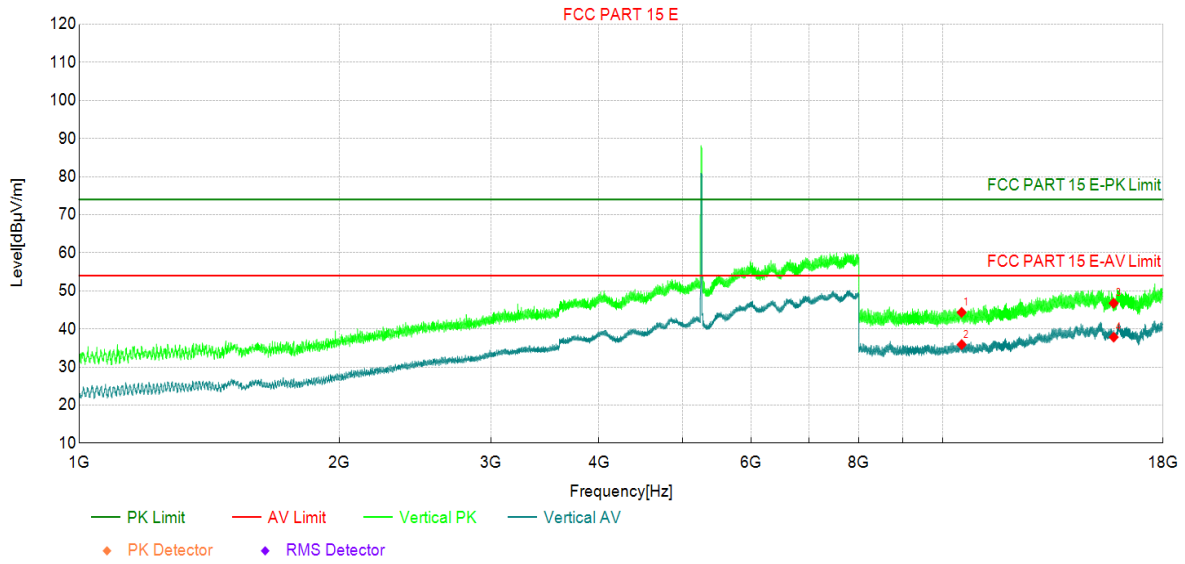
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10520	37.15	44.08	6.93	74.00	29.92	PK	Horizo	PASS
2	10520	28.28	35.21	6.93	54.00	18.79	AV	Horizo	PASS
3	15780	31.74	45.91	14.17	74.00	28.09	PK	Horizo	PASS
4	15780	23.53	37.70	14.17	54.00	16.30	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5260MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



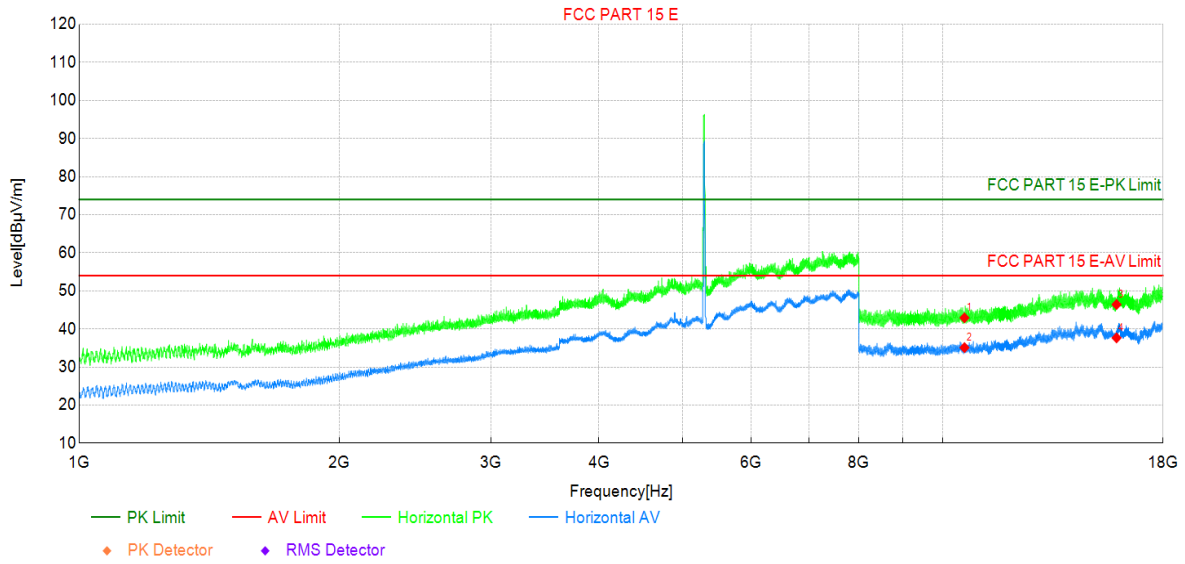
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10520	37.41	44.34	6.93	74.00	29.66	PK	Vertic	PASS
2	10520	28.96	35.89	6.93	54.00	18.11	AV	Vertic	PASS
3	15780	32.60	46.77	14.17	74.00	27.23	PK	Vertic	PASS
4	15780	23.67	37.84	14.17	54.00	16.16	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5300MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



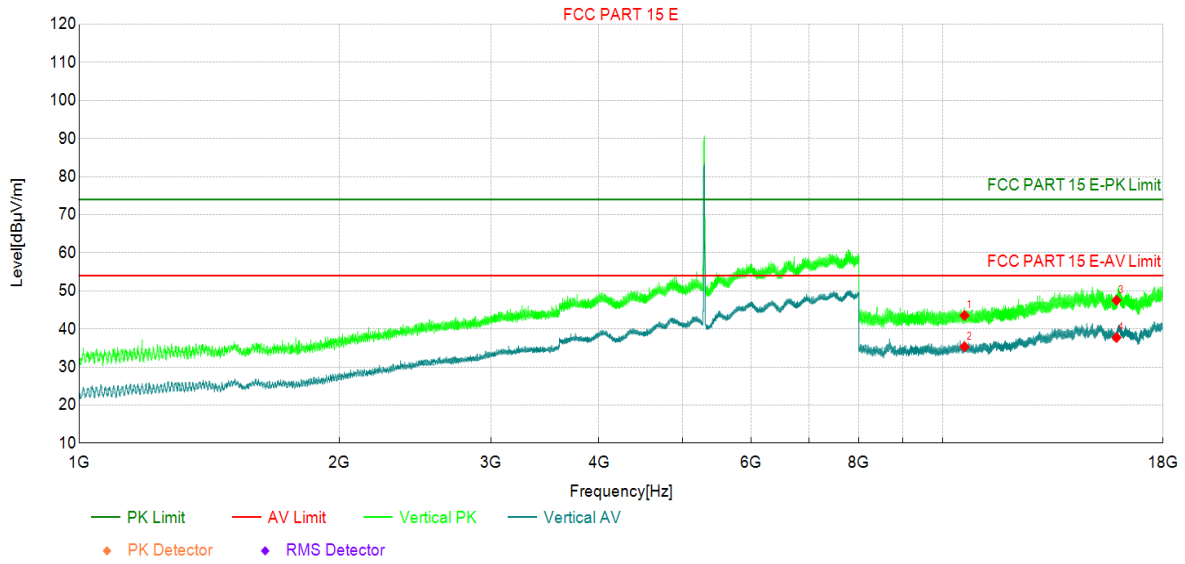
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10600	36.01	42.92	6.91	74.00	31.08	PK	Horizo	PASS
2	10600	28.18	35.09	6.91	54.00	18.91	AV	Horizo	PASS
3	15900	32.23	46.42	14.19	74.00	27.58	PK	Horizo	PASS
4	15900	23.47	37.66	14.19	54.00	16.34	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5300MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

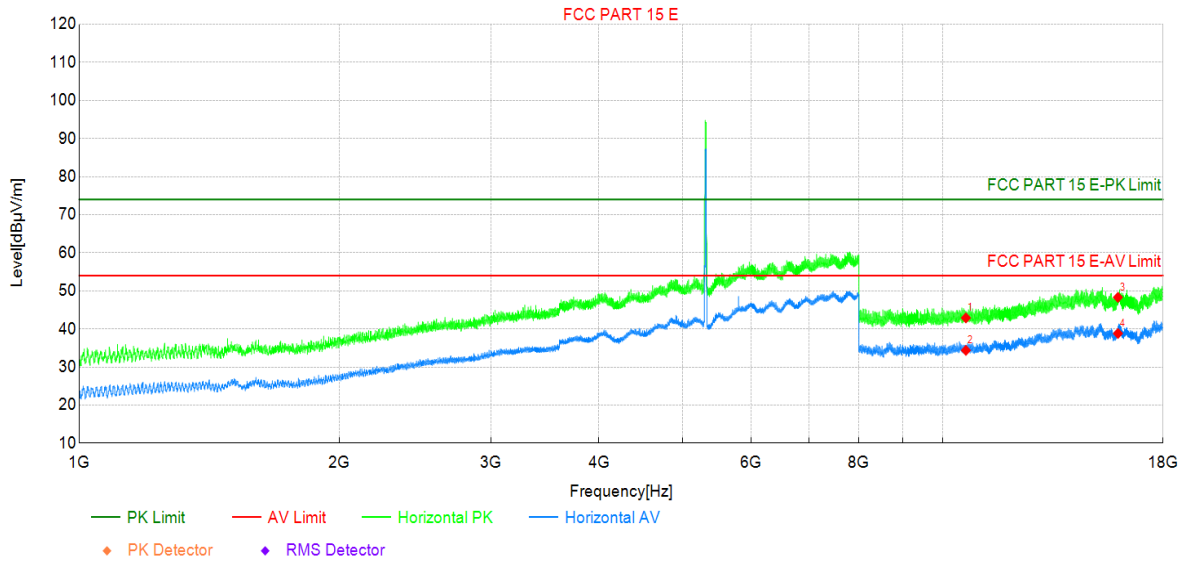
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10600	36.62	43.53	6.91	74.00	30.47	PK	Vertic	PASS
2	10600	28.42	35.33	6.91	54.00	18.67	AV	Vertic	PASS
3	15900	33.33	47.52	14.19	74.00	26.48	PK	Vertic	PASS
4	15900	23.55	37.74	14.19	54.00	16.26	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5320MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



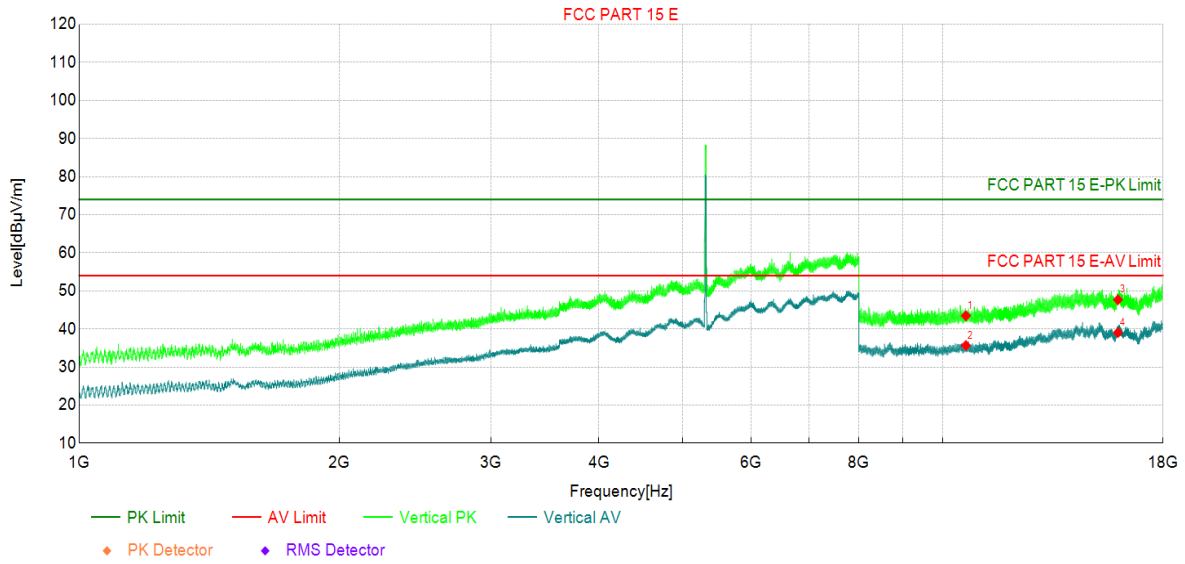
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10640	35.93	42.91	6.98	74.00	31.09	PK	Horizo	PASS
2	10640	27.39	34.37	6.98	54.00	19.63	AV	Horizo	PASS
3	15960	33.20	48.30	15.10	74.00	25.70	PK	Horizo	PASS
4	15960	23.71	38.81	15.10	54.00	15.19	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5320MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



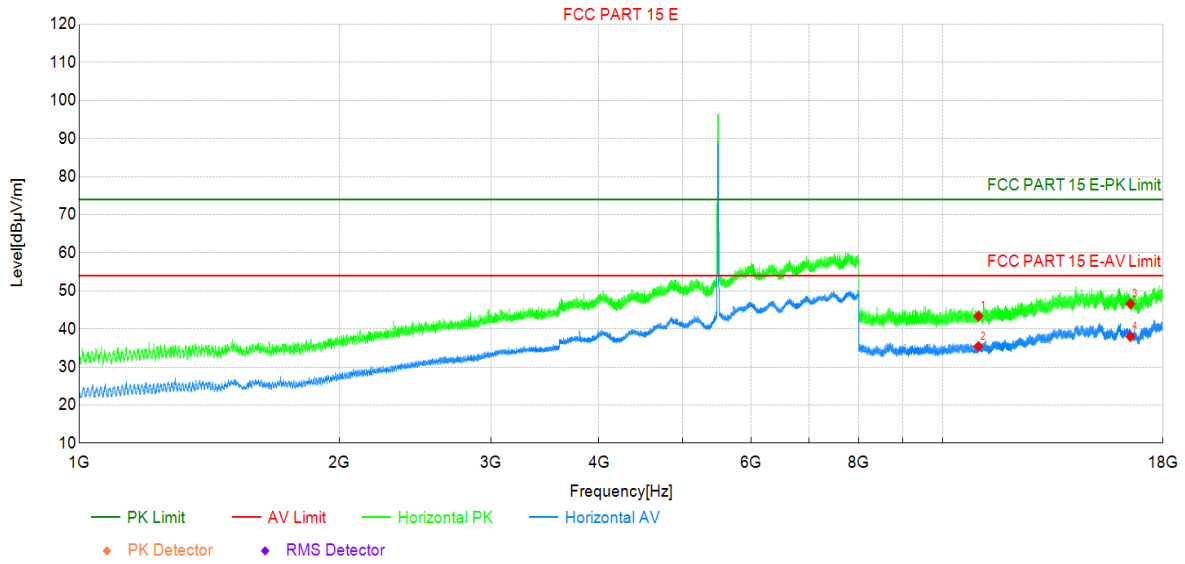
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10640	36.48	43.46	6.98	74.00	30.54	PK	Vertic	PASS
2	10640	28.66	35.64	6.98	54.00	18.36	AV	Vertic	PASS
3	15960	32.56	47.66	15.10	74.00	26.34	PK	Vertic	PASS
4	15960	23.93	39.03	15.10	54.00	14.97	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5500MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



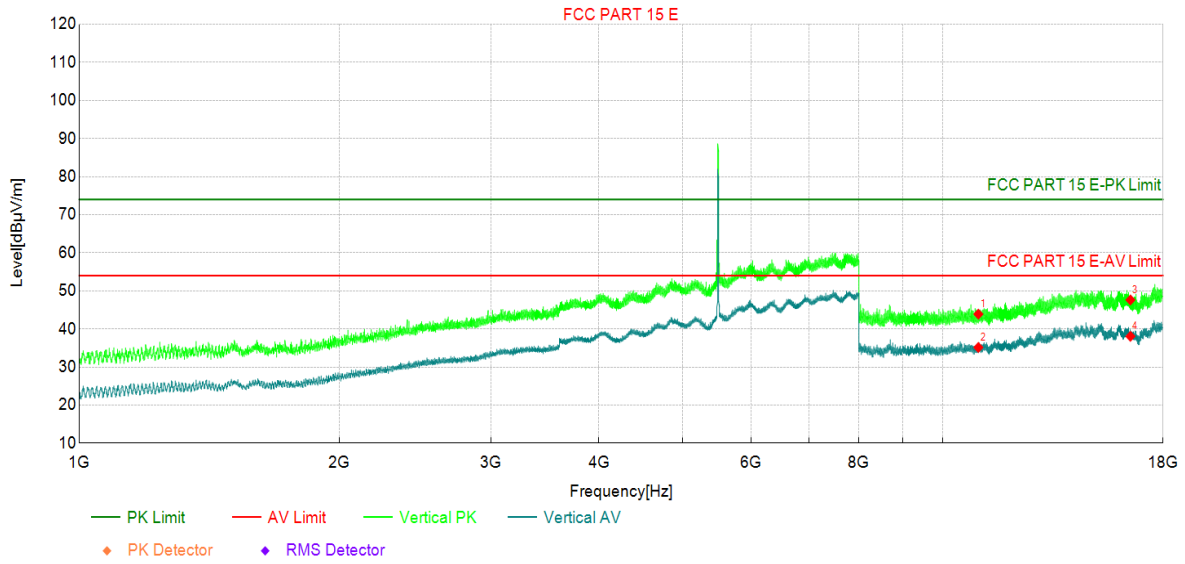
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11000	35.68	43.38	7.70	74.00	30.62	PK	Horizo	PASS
2	11000	27.70	35.40	7.70	54.00	18.60	AV	Horizo	PASS
3	16500	31.51	46.60	15.09	74.00	27.40	PK	Horizo	PASS
4	16500	22.90	37.99	15.09	54.00	16.01	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5500MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



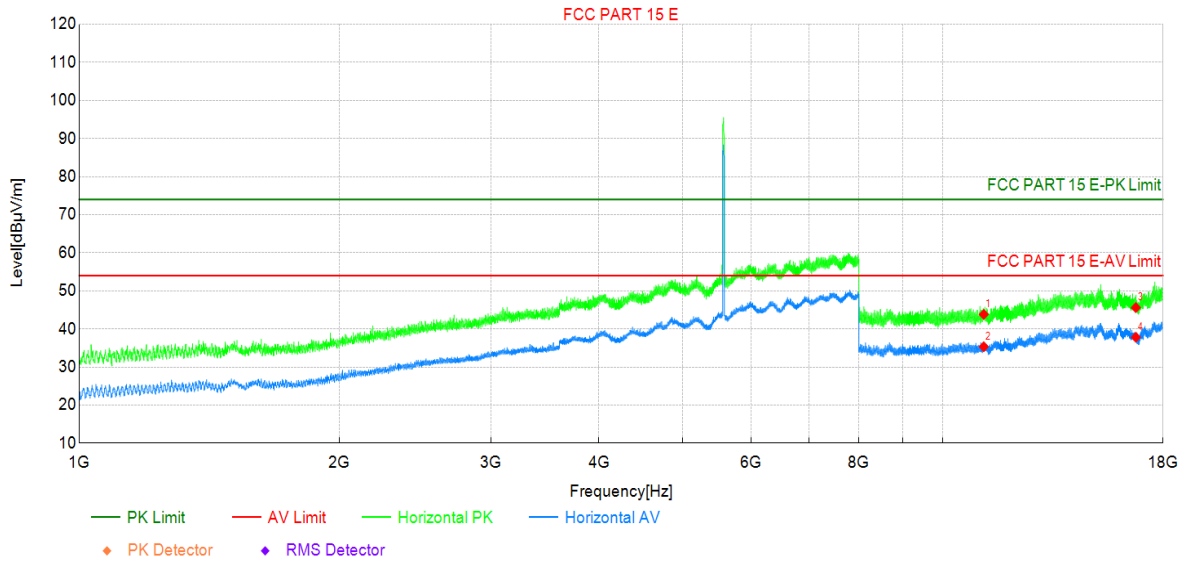
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11000	36.19	43.89	7.70	74.00	30.11	PK	Vertic	PASS
2	11000	27.45	35.15	7.70	54.00	18.85	AV	Vertic	PASS
3	16500	32.53	47.62	15.09	74.00	26.38	PK	Vertic	PASS
4	16500	22.96	38.05	15.09	54.00	15.95	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5580MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



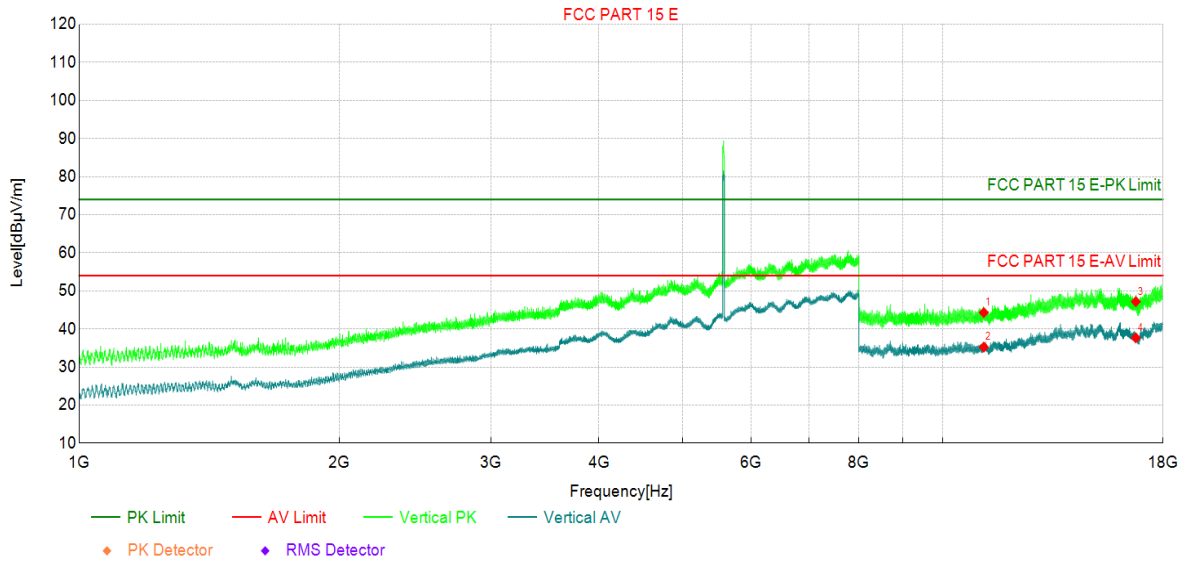
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11160	36.35	43.82	7.47	74.00	30.18	PK	Horizo	PASS
2	11160	27.86	35.33	7.47	54.00	18.67	AV	Horizo	PASS
3	16740	30.89	45.60	14.71	74.00	28.40	PK	Horizo	PASS
4	16740	23.11	37.82	14.71	54.00	16.18	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5580MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

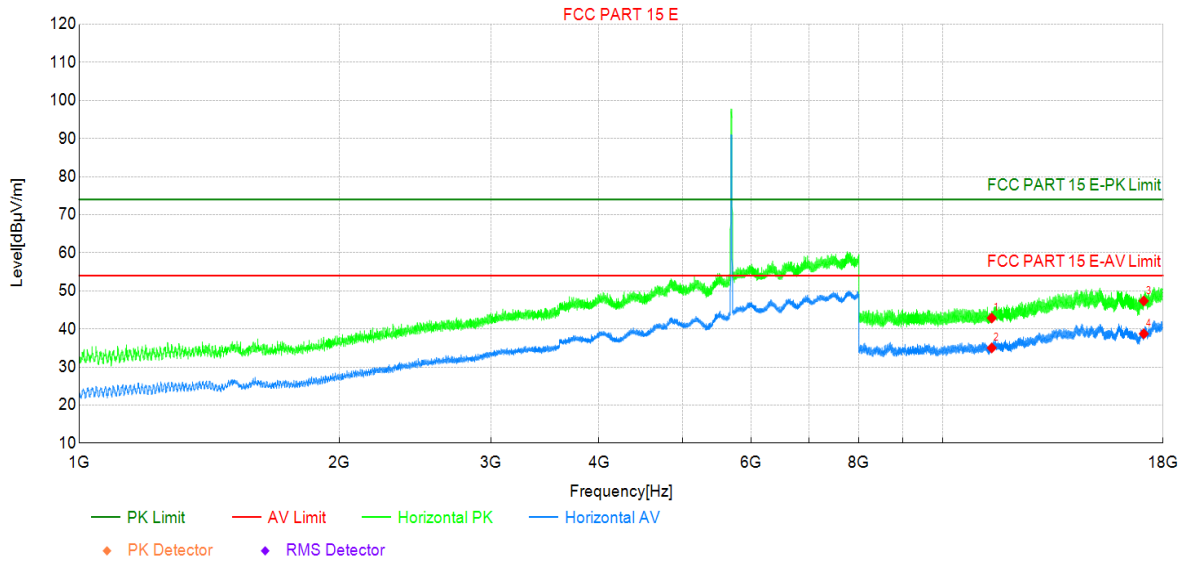
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11160	36.82	44.29	7.47	74.00	29.71	PK	Vertic	PASS
2	11160	27.76	35.23	7.47	54.00	18.77	AV	Vertic	PASS
3	16740	32.47	47.18	14.71	74.00	26.82	PK	Vertic	PASS
4	16740	22.95	37.66	14.71	54.00	16.34	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5700MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



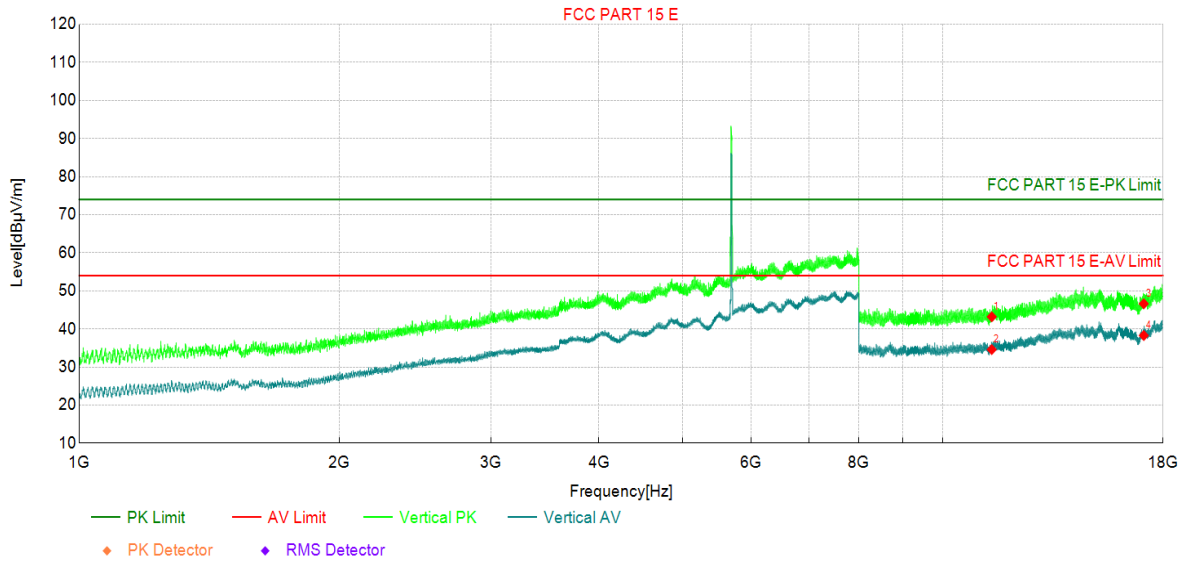
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11400	35.08	42.87	7.79	74.00	31.13	PK	Horizo	PASS
2	11400	27.23	35.02	7.79	54.00	18.98	AV	Horizo	PASS
3	17100	31.36	47.36	16.00	74.00	26.64	PK	Horizo	PASS
4	17100	22.73	38.73	16.00	54.00	15.27	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5700MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



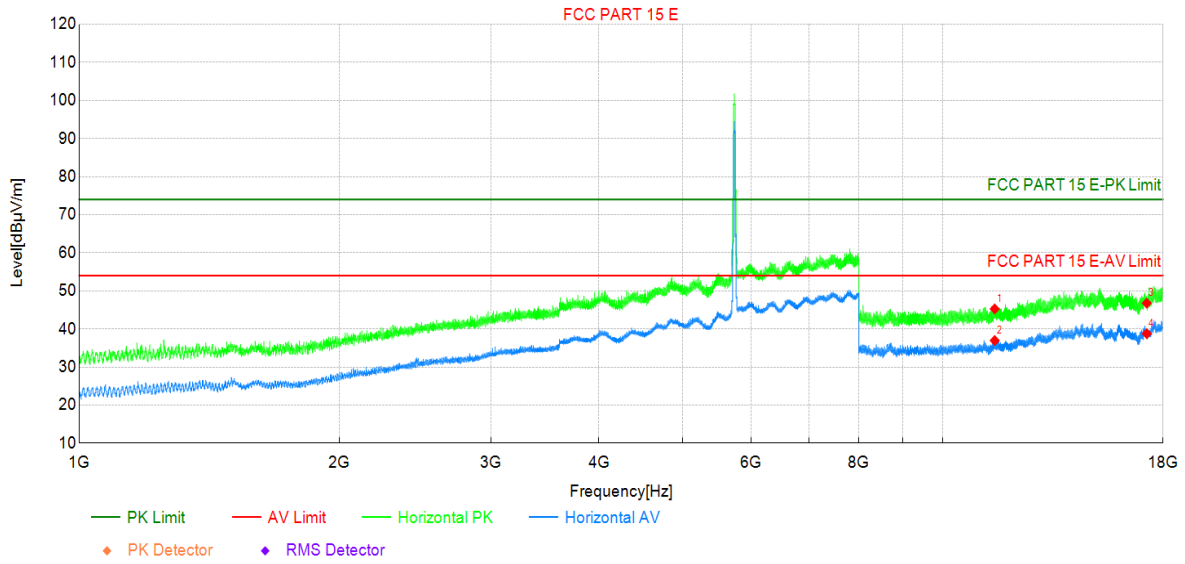
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11400	35.40	43.19	7.79	74.00	30.81	PK	Vertic	PASS
2	11400	26.80	34.59	7.79	54.00	19.41	AV	Vertic	PASS
3	17100	30.60	46.60	16.00	74.00	27.40	PK	Vertic	PASS
4	17100	22.28	38.28	16.00	54.00	15.72	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5745MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

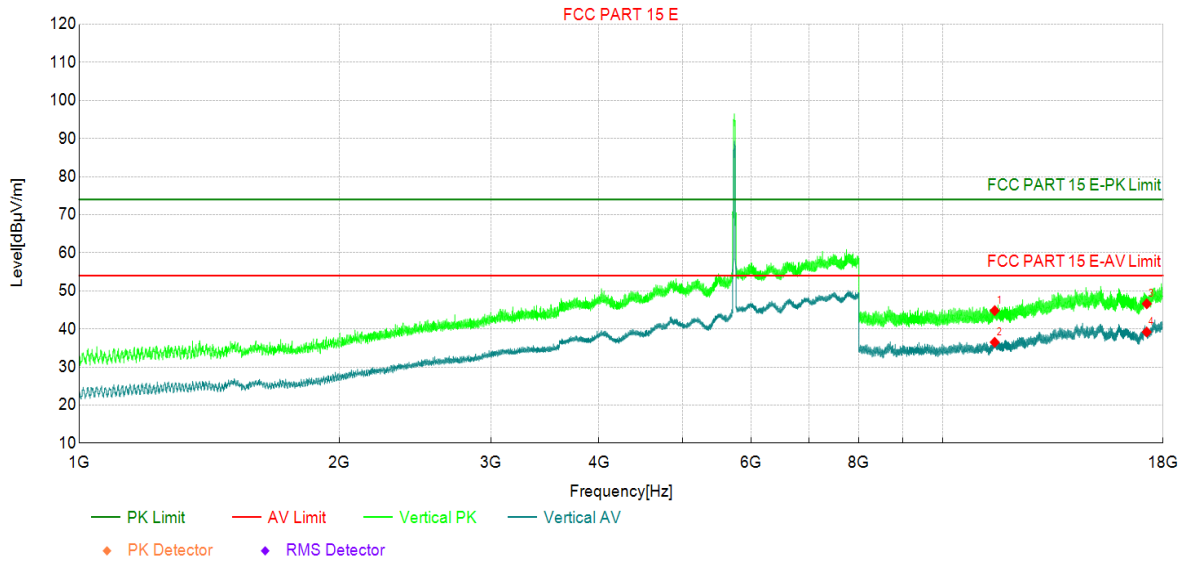
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11490	36.97	45.26	8.29	74.00	28.74	PK	Horizo	PASS
2	11490	28.67	36.96	8.29	54.00	17.04	AV	Horizo	PASS
3	17235	31.29	46.77	15.48	74.00	27.23	PK	Horizo	PASS
4	17235	23.29	38.77	15.48	54.00	15.23	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5745MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



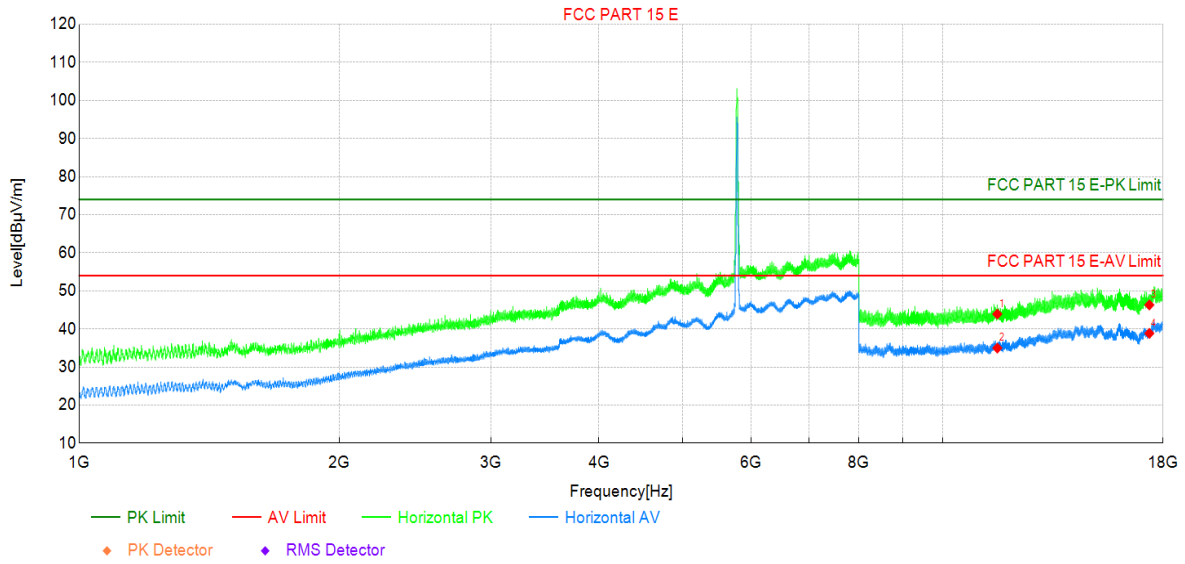
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11490	36.52	44.81	8.29	74.00	29.19	PK	Vertic	PASS
2	11490	28.21	36.50	8.29	54.00	17.50	AV	Vertic	PASS
3	17235	31.12	46.60	15.48	74.00	27.40	PK	Vertic	PASS
4	17235	23.71	39.19	15.48	54.00	14.81	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5785MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

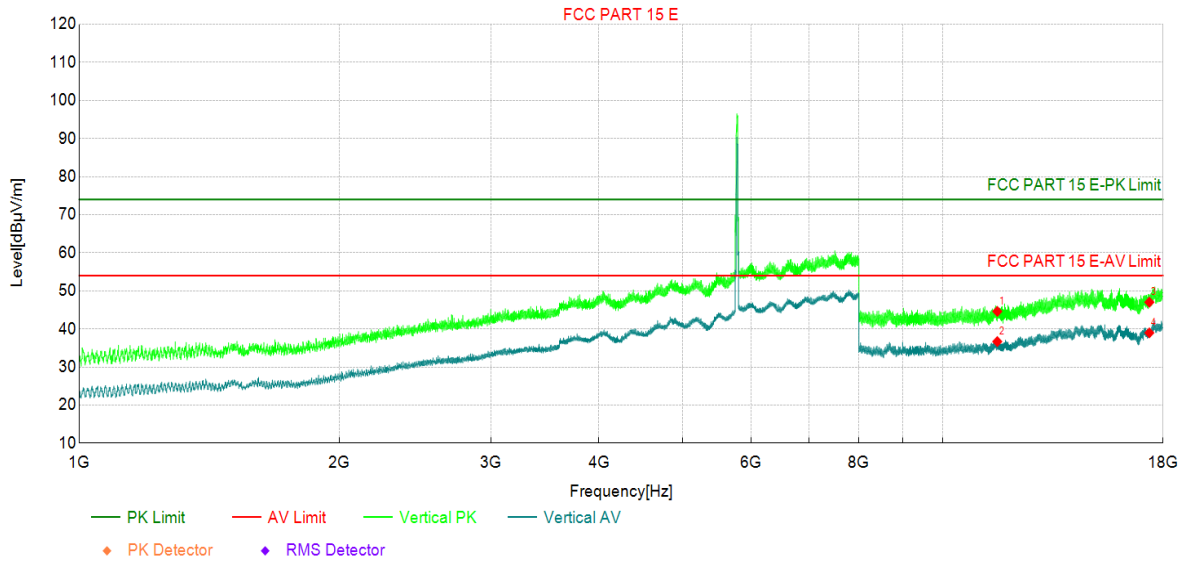
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11570	35.20	43.90	8.70	74.00	30.10	PK	Horizo	PASS
2	11570	26.27	34.97	8.70	54.00	19.03	AV	Horizo	PASS
3	17355	30.74	46.30	15.56	74.00	27.70	PK	Horizo	PASS
4	17355	23.28	38.84	15.56	54.00	15.16	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5785MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



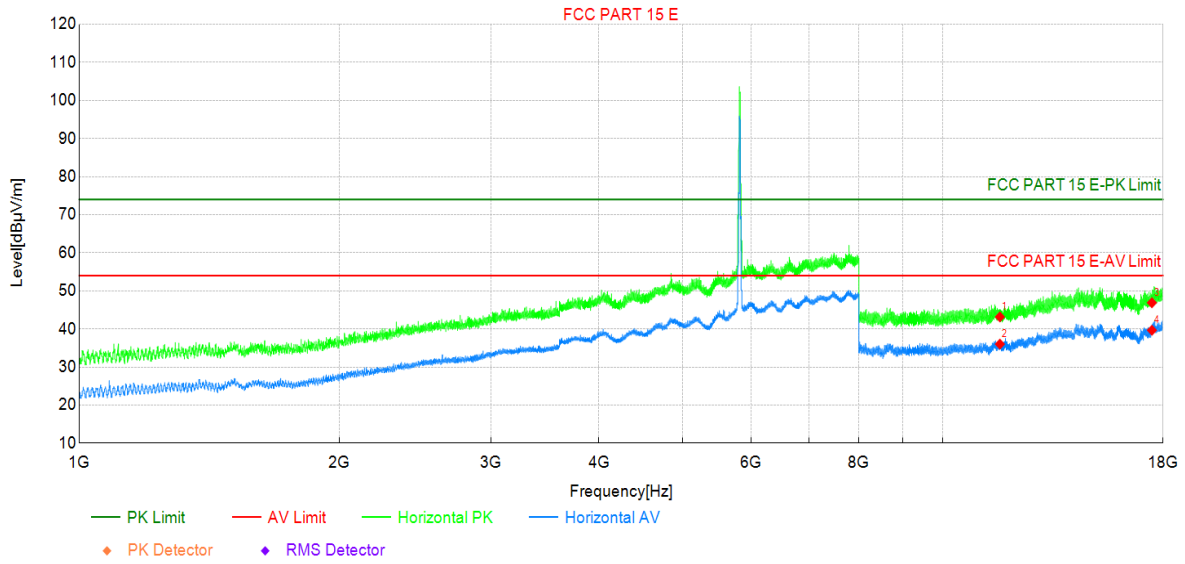
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11570	35.91	44.61	8.70	74.00	29.39	PK	Vertic	PASS
2	11570	27.98	36.68	8.70	54.00	17.32	AV	Vertic	PASS
3	17355	31.46	47.02	15.56	74.00	26.98	PK	Vertic	PASS
4	17355	23.41	38.97	15.56	54.00	15.03	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5825MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



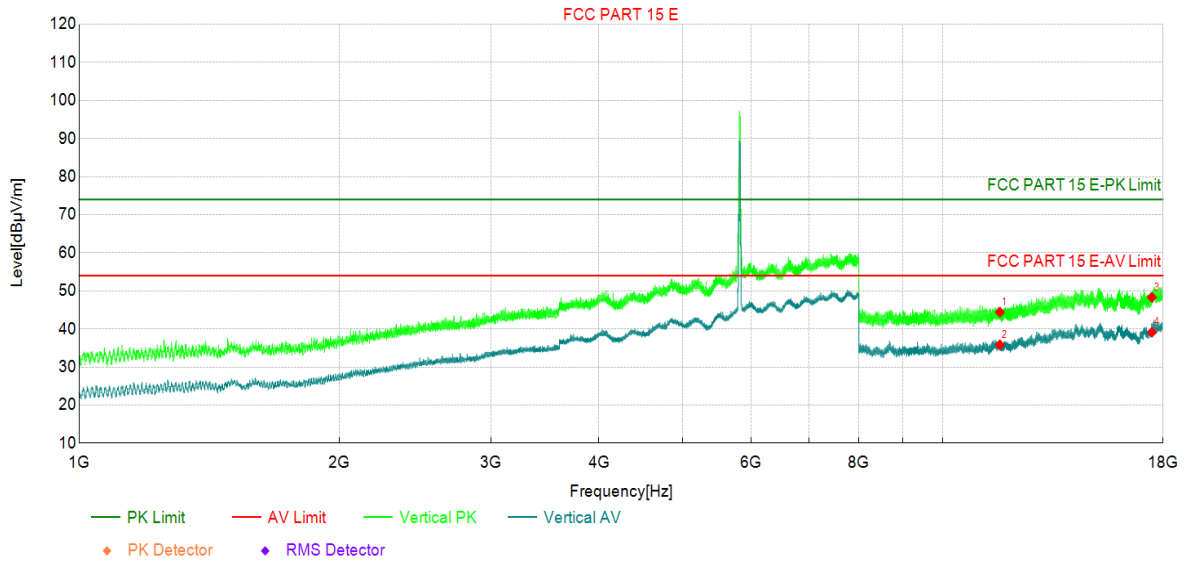
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11650	34.51	43.16	8.65	74.00	30.84	PK	Horizo	PASS
2	11650	27.37	36.02	8.65	54.00	17.98	AV	Horizo	PASS
3	17475	30.01	46.88	16.87	74.00	27.12	PK	Horizo	PASS
4	17475	22.78	39.65	16.87	54.00	14.35	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 1:Transmit at 5825MHz by 802.11a	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



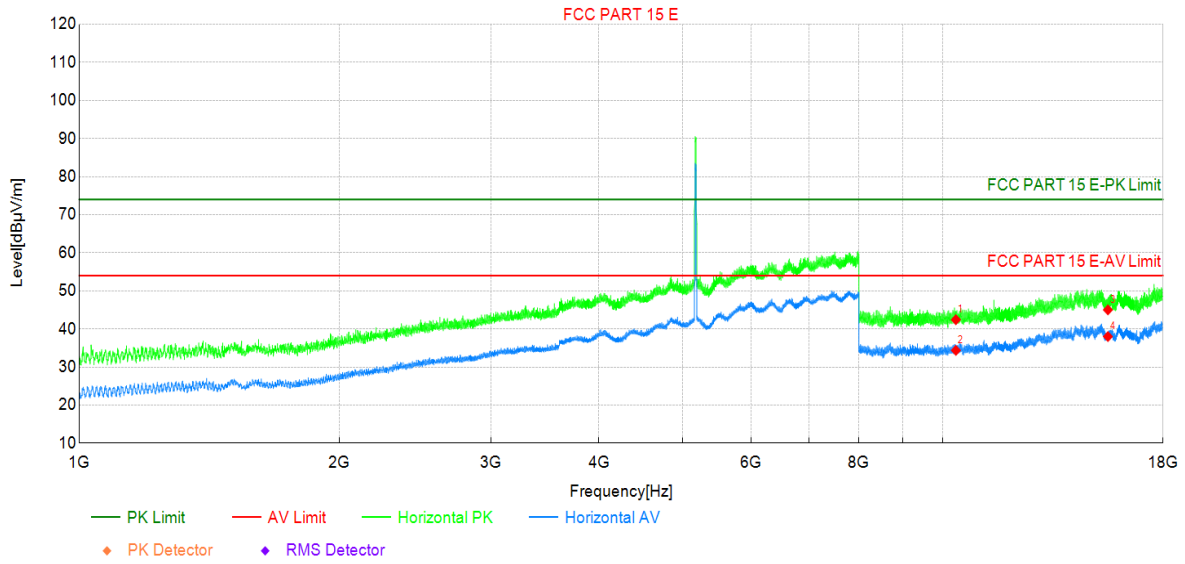
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11650	35.76	44.41	8.65	74.00	29.59	PK	Vertic	PASS
2	11650	27.18	35.83	8.65	54.00	18.17	AV	Vertic	PASS
3	17475	31.42	48.29	16.87	74.00	25.71	PK	Vertic	PASS
4	17475	22.28	39.15	16.87	54.00	14.85	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5180MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

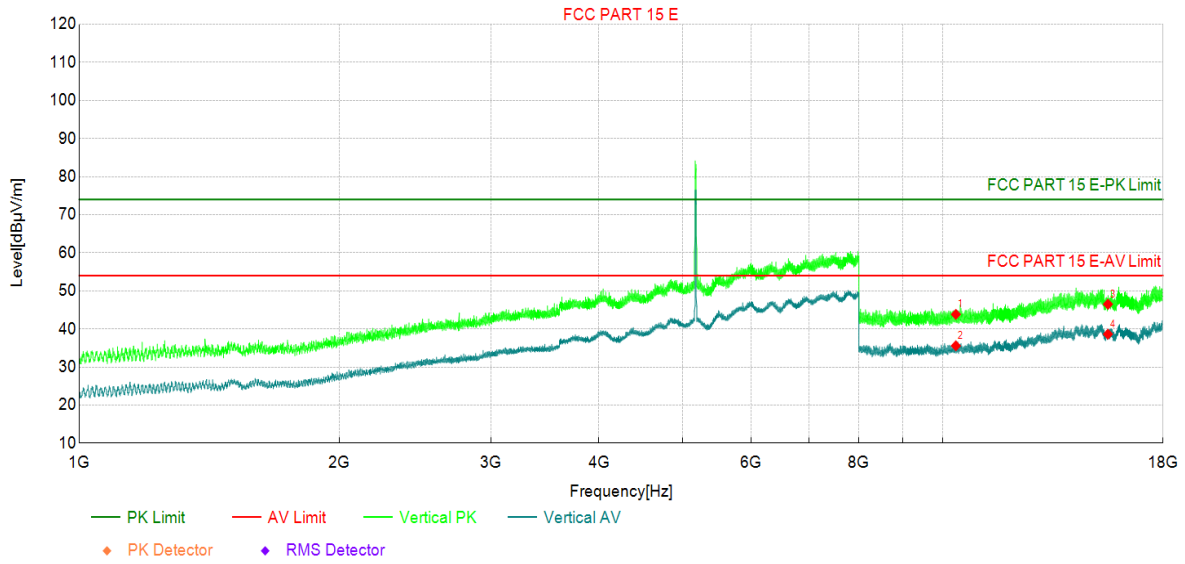
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10360	36.00	42.42	6.42	74.00	31.58	PK	Horizo	PASS
2	10360	27.95	34.37	6.42	54.00	19.63	AV	Horizo	PASS
3	15540	31.19	45.01	13.82	74.00	28.99	PK	Horizo	PASS
4	15540	24.19	38.01	13.82	54.00	15.99	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5180MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



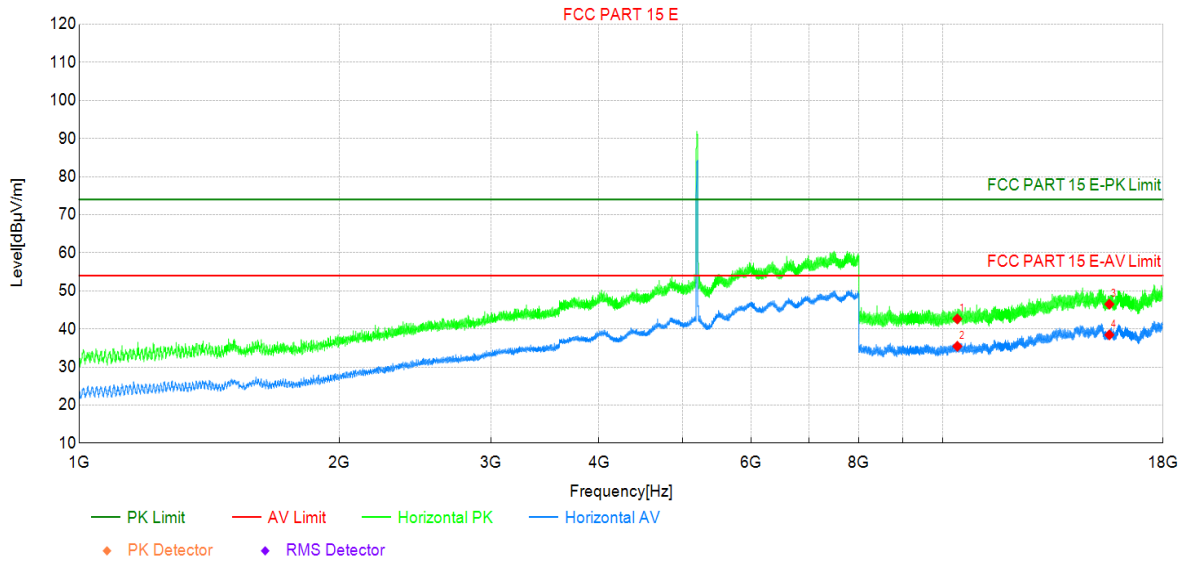
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10360	37.41	43.83	6.42	74.00	30.17	PK	Vertic	PASS
2	10360	29.15	35.57	6.42	54.00	18.43	AV	Vertic	PASS
3	15540	32.67	46.49	13.82	74.00	27.51	PK	Vertic	PASS
4	15540	24.80	38.62	13.82	54.00	15.38	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5200MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

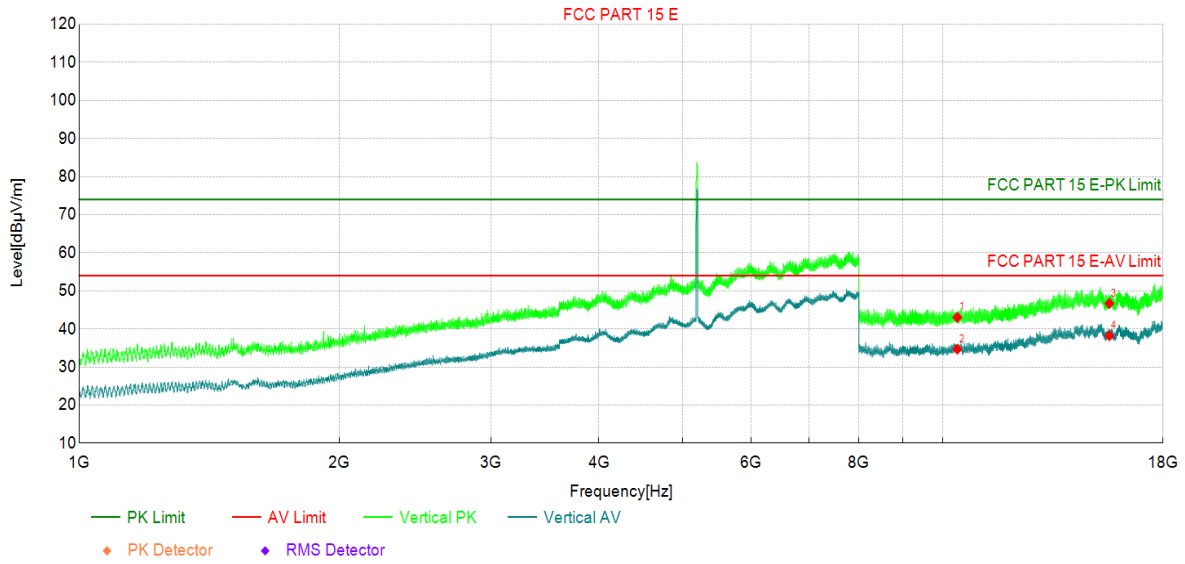
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10400	36.25	42.63	6.38	74.00	31.37	PK	Horizo	PASS
2	10400	29.06	35.44	6.38	54.00	18.56	AV	Horizo	PASS
3	15600	33.08	46.50	13.42	74.00	27.50	PK	Horizo	PASS
4	15600	25.02	38.44	13.42	54.00	15.56	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5200MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

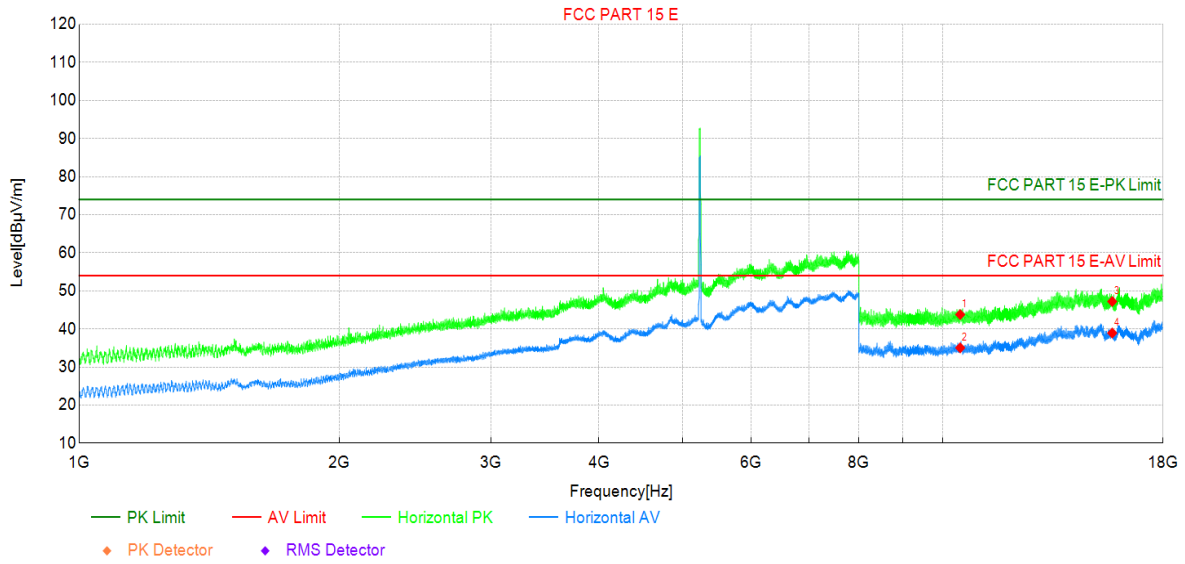
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10400	36.67	43.05	6.38	74.00	30.95	PK	Vertic	PASS
2	10400	28.31	34.69	6.38	54.00	19.31	AV	Vertic	PASS
3	15600	33.26	46.68	13.42	74.00	27.32	PK	Vertic	PASS
4	15600	24.80	38.22	13.42	54.00	15.78	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5240MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

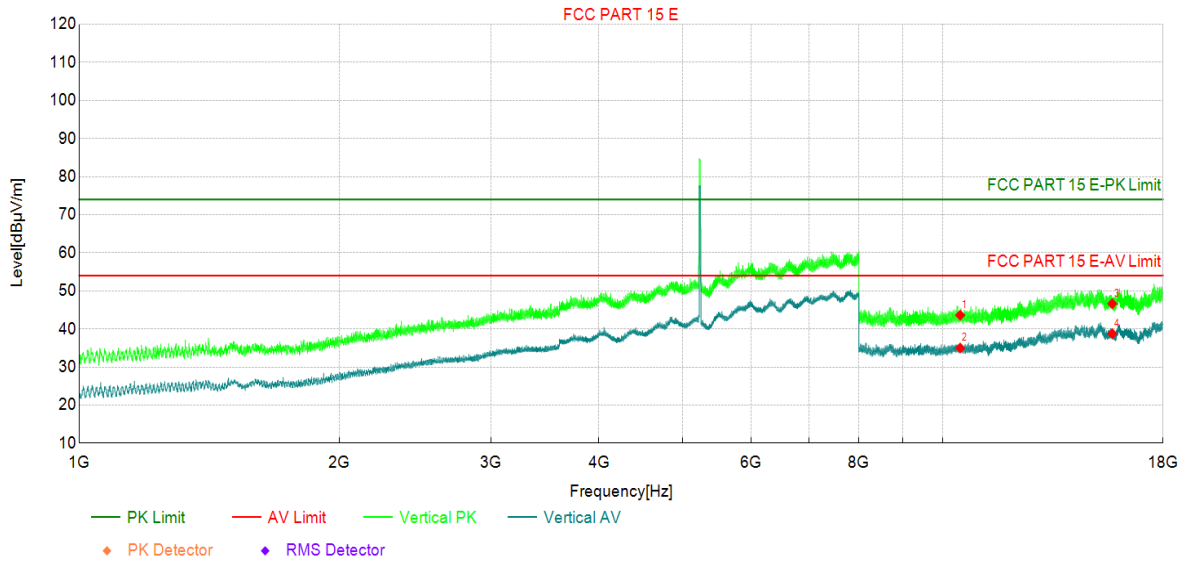
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10480	36.96	43.78	6.82	74.00	30.22	PK	Horizo	PASS
2	10480	28.21	35.03	6.82	54.00	18.97	AV	Horizo	PASS
3	15720	32.69	47.21	14.52	74.00	26.79	PK	Horizo	PASS
4	15720	24.40	38.92	14.52	54.00	15.08	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5240MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



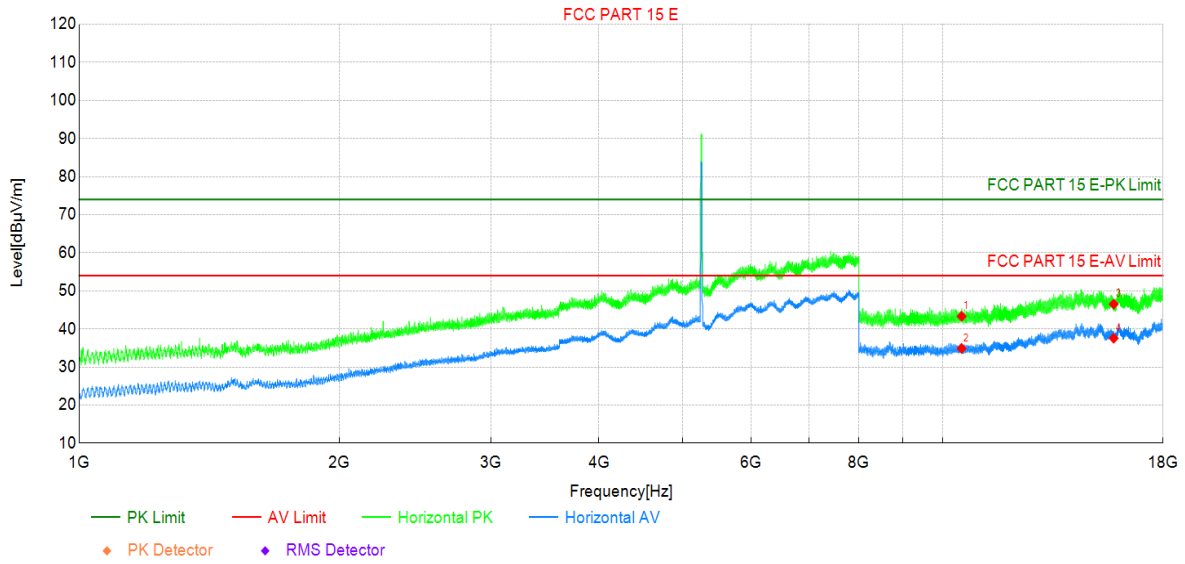
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10480	36.81	43.63	6.82	74.00	30.37	PK	Vertic	PASS
2	10480	28.17	34.99	6.82	54.00	19.01	AV	Vertic	PASS
3	15720	32.11	46.63	14.52	74.00	27.37	PK	Vertic	PASS
4	15720	24.24	38.76	14.52	54.00	15.24	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5260MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



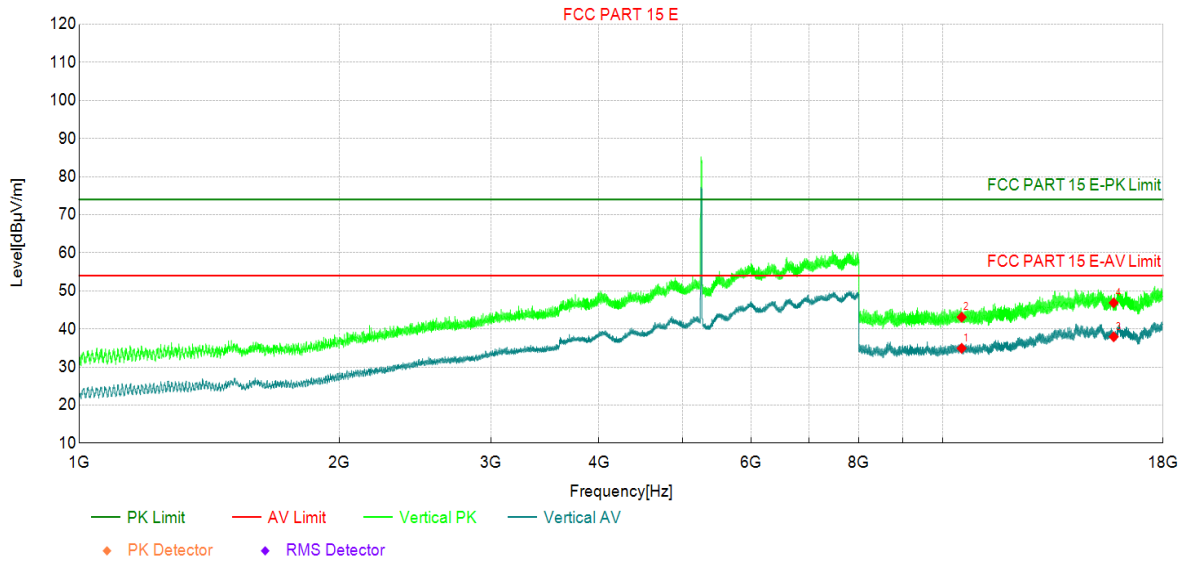
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10520	36.38	43.31	6.93	74.00	30.69	PK	Horizo	PASS
2	10520	27.94	34.87	6.93	54.00	19.13	AV	Horizo	PASS
3	15780	32.35	46.52	14.17	74.00	27.48	PK	Horizo	PASS
4	15780	23.39	37.56	14.17	54.00	16.44	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5260MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

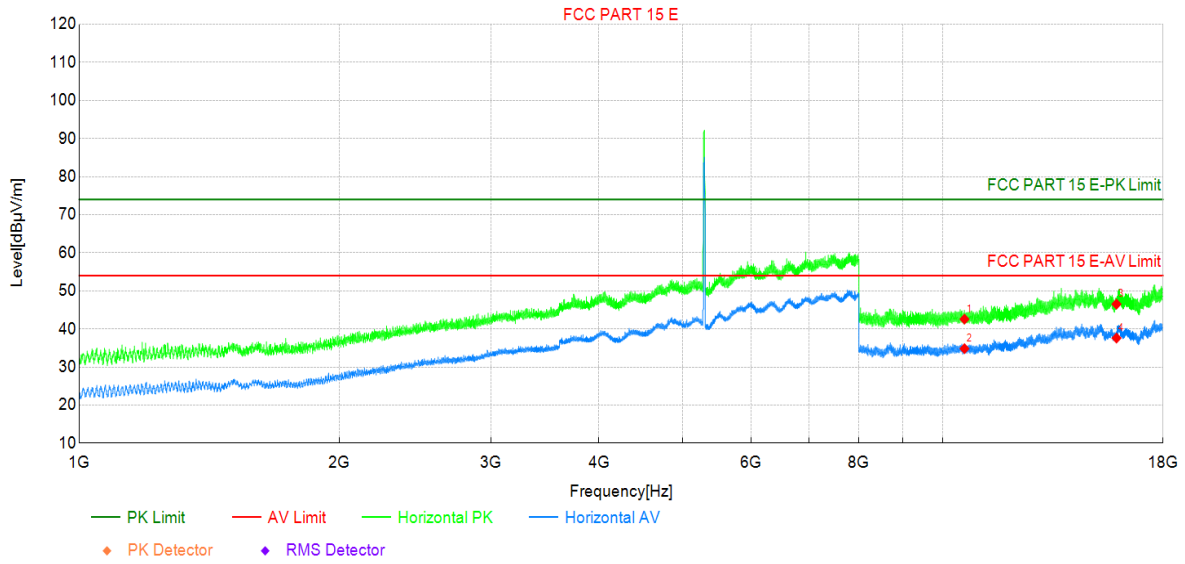
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10520	27.98	34.91	6.93	54.00	19.09	AV	Vertic	PASS
2	10520	36.16	43.09	6.93	74.00	30.91	PK	Vertic	PASS
3	15780	23.77	37.94	14.17	54.00	16.06	AV	Vertic	PASS
4	15780	32.70	46.87	14.17	74.00	27.13	PK	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5300MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



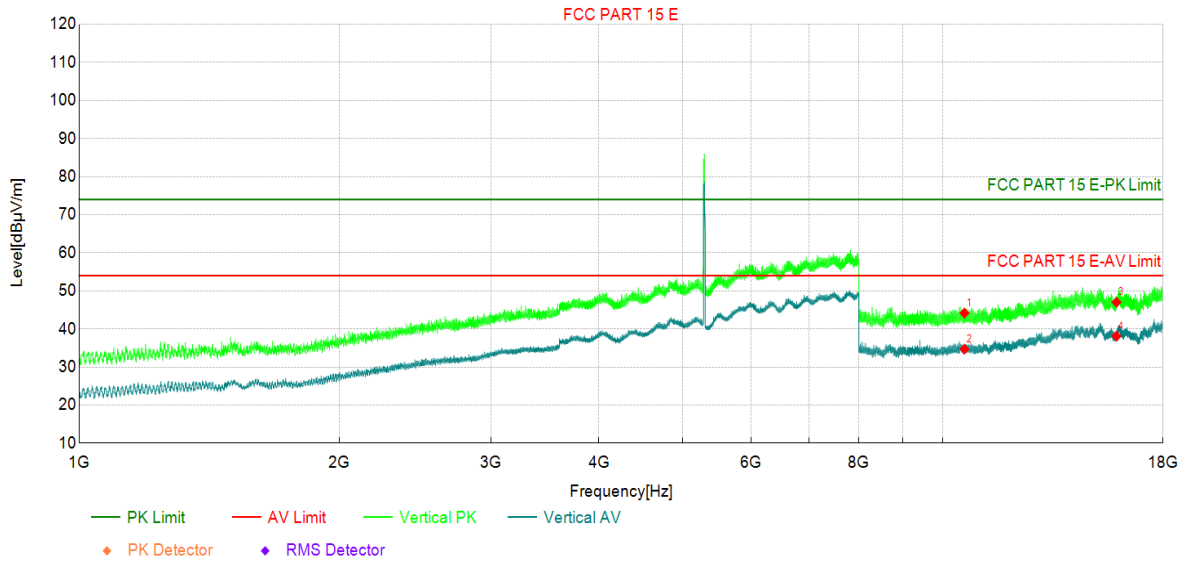
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10600	35.66	42.57	6.91	74.00	31.43	PK	Horizo	PASS
2	10600	27.91	34.82	6.91	54.00	19.18	AV	Horizo	PASS
3	15900	32.33	46.52	14.19	74.00	27.48	PK	Horizo	PASS
4	15900	23.42	37.61	14.19	54.00	16.39	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5300MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

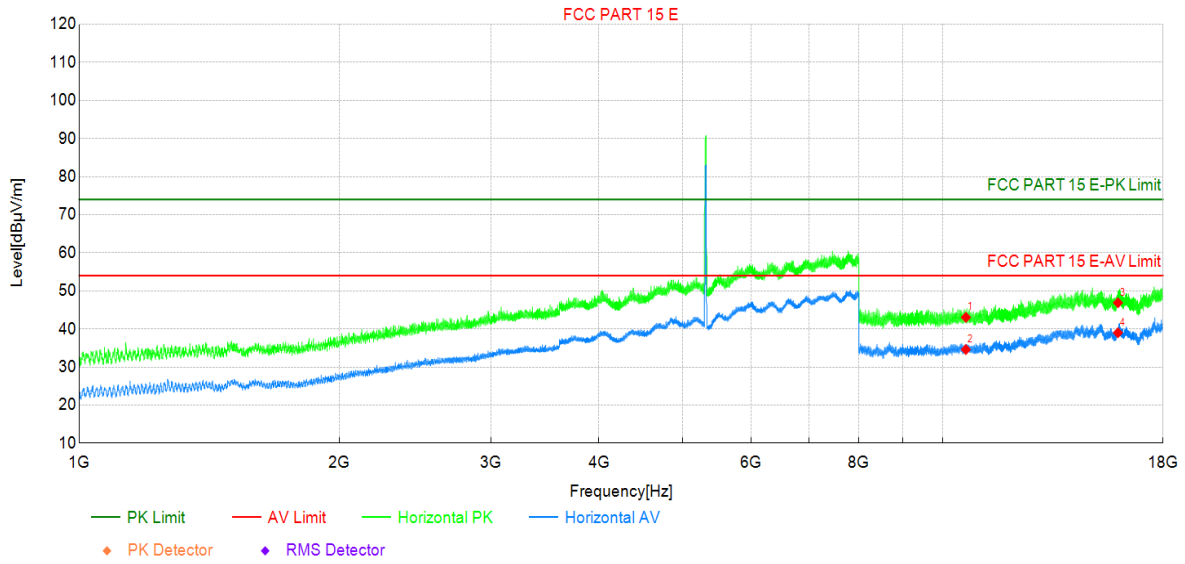
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10600	37.26	44.17	6.91	74.00	29.83	PK	Vertic	PASS
2	10600	27.79	34.70	6.91	54.00	19.30	AV	Vertic	PASS
3	15900	32.82	47.01	14.19	74.00	26.99	PK	Vertic	PASS
4	15900	23.93	38.12	14.19	54.00	15.88	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5320MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

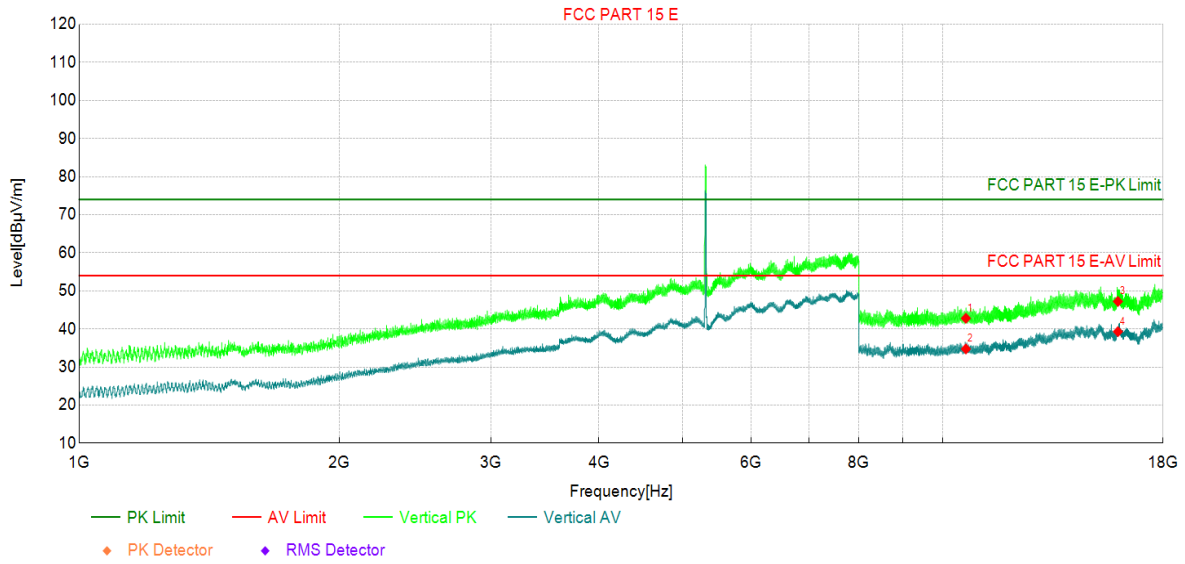
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10640	36.07	43.05	6.98	74.00	30.95	PK	Horizo	PASS
2	10640	27.61	34.59	6.98	54.00	19.41	AV	Horizo	PASS
3	15960	31.77	46.87	15.10	74.00	27.13	PK	Horizo	PASS
4	15960	23.90	39.00	15.10	54.00	15.00	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5320MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



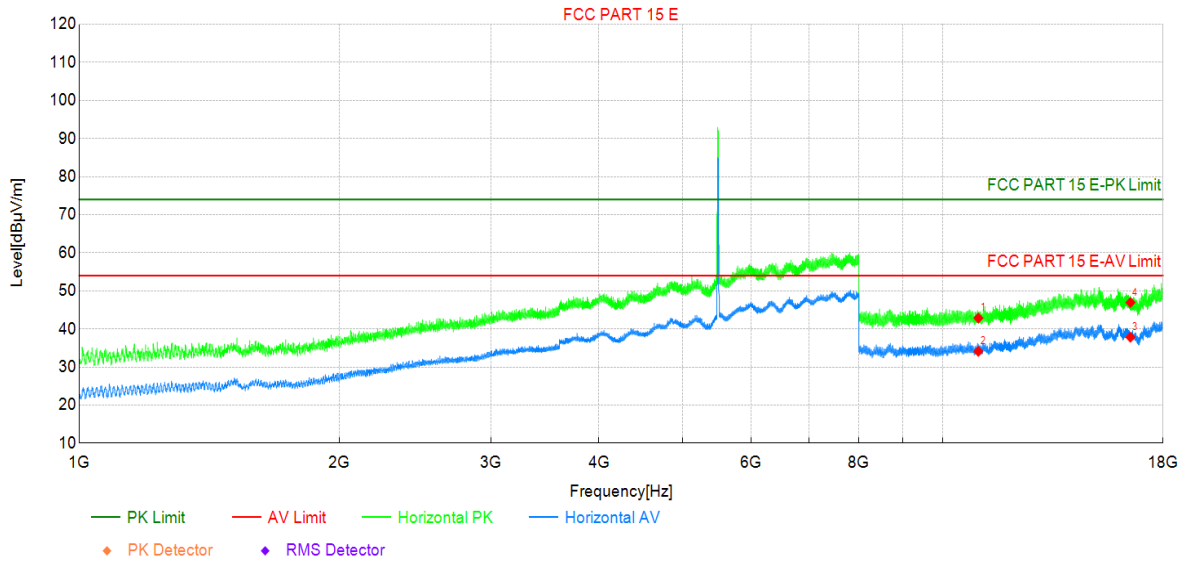
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10640	35.82	42.80	6.98	74.00	31.20	PK	Vertic	PASS
2	10640	27.77	34.75	6.98	54.00	19.25	AV	Vertic	PASS
3	15960	32.12	47.22	15.10	74.00	26.78	PK	Vertic	PASS
4	15960	24.19	39.29	15.10	54.00	14.71	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5500MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

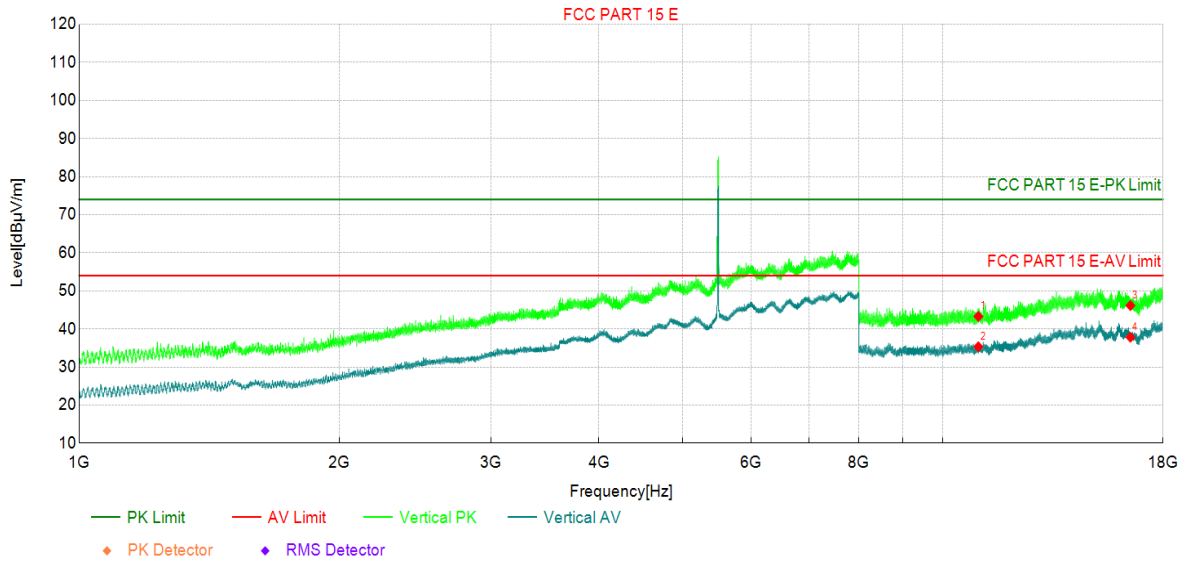
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11000	35.15	42.85	7.70	74.00	31.15	PK	Horizo	PASS
2	11000	26.41	34.11	7.70	54.00	19.89	AV	Horizo	PASS
3	16500	22.74	37.83	15.09	54.00	16.17	AV	Horizo	PASS
4	16500	31.86	46.95	15.09	74.00	27.05	PK	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5500MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

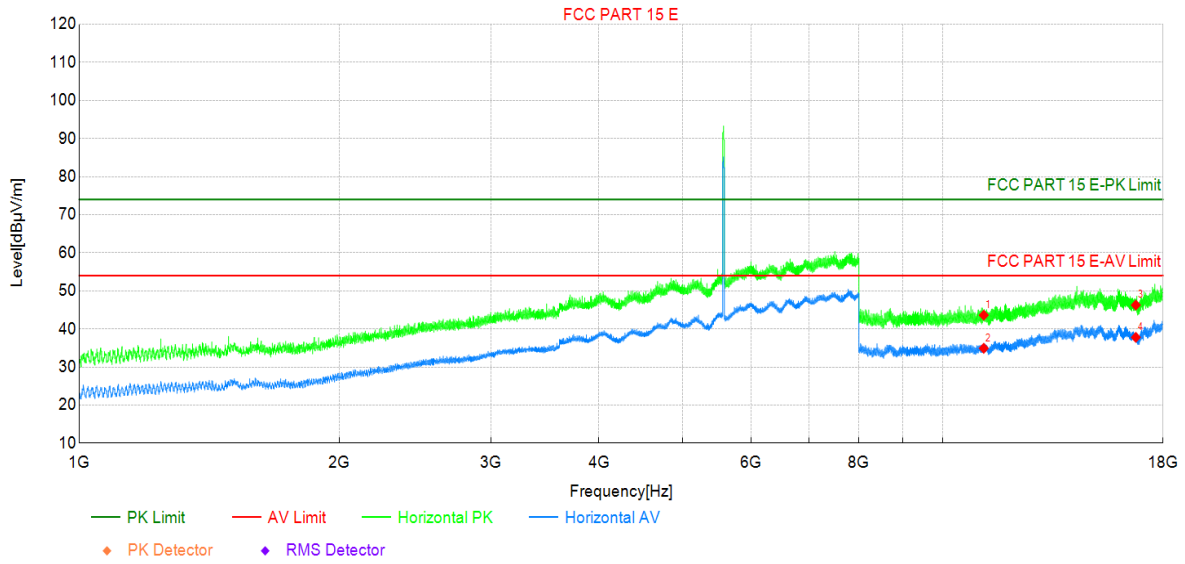
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11000	35.59	43.29	7.70	74.00	30.71	PK	Vertic	PASS
2	11000	27.63	35.33	7.70	54.00	18.67	AV	Vertic	PASS
3	16500	31.06	46.15	15.09	74.00	27.85	PK	Vertic	PASS
4	16500	22.73	37.82	15.09	54.00	16.18	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5580MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



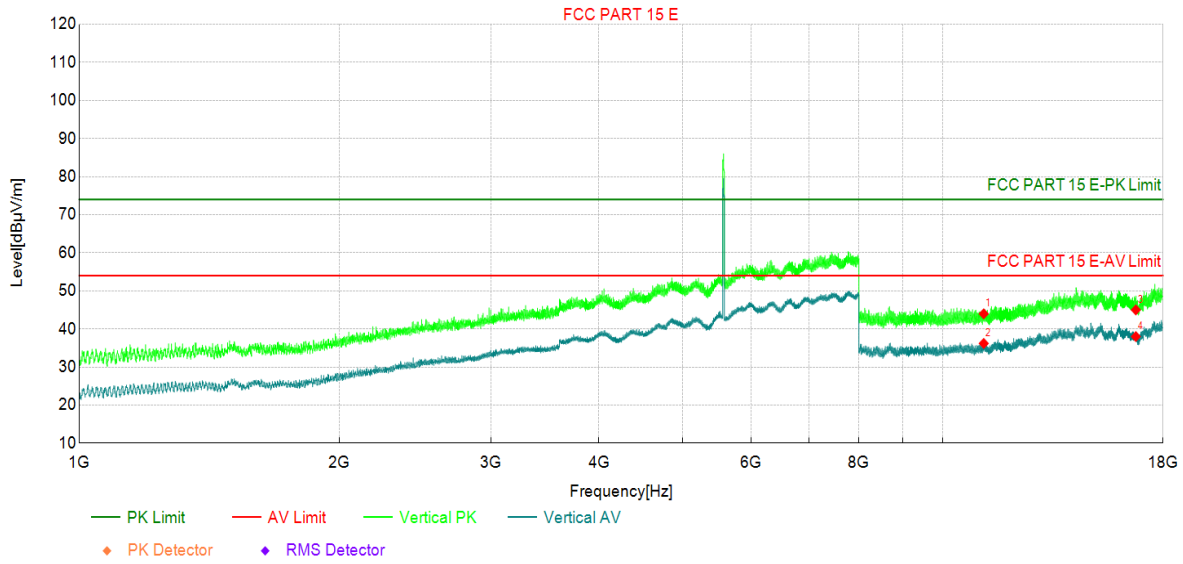
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11160	36.15	43.62	7.47	74.00	30.38	PK	Horizo	PASS
2	11160	27.45	34.92	7.47	54.00	19.08	AV	Horizo	PASS
3	16740	31.56	46.27	14.71	74.00	27.73	PK	Horizo	PASS
4	16740	23.09	37.80	14.71	54.00	16.20	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5580MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



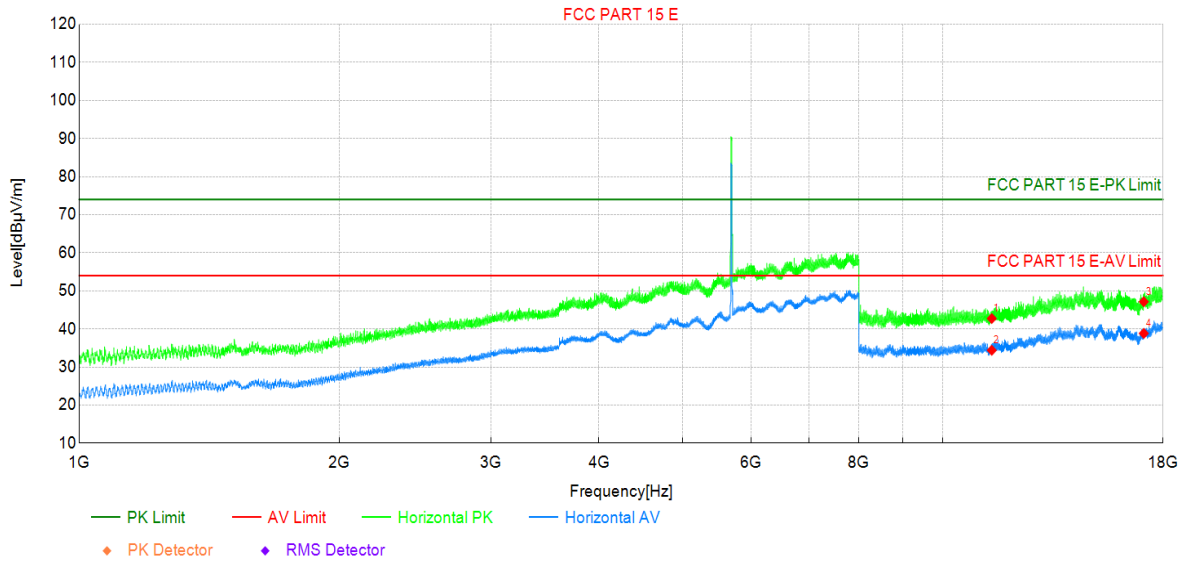
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11160	36.50	43.97	7.47	74.00	30.03	PK	Vertic	PASS
2	11160	28.72	36.19	7.47	54.00	17.81	AV	Vertic	PASS
3	16740	30.29	45.00	14.71	74.00	29.00	PK	Vertic	PASS
4	16740	23.29	38.00	14.71	54.00	16.00	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5700MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



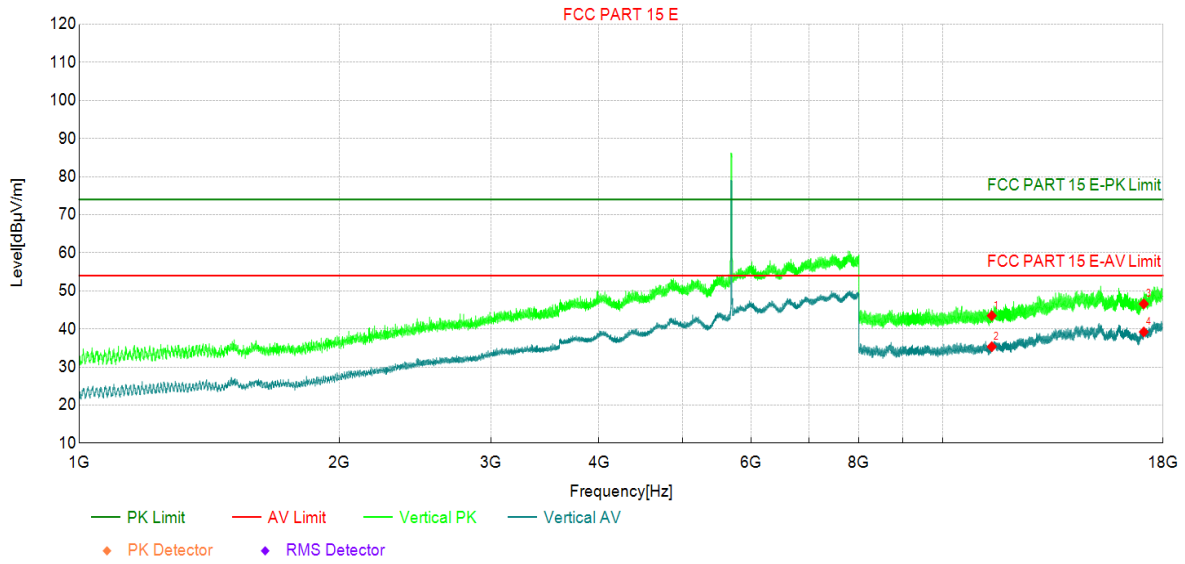
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11400	34.95	42.74	7.79	74.00	31.26	PK	Horizo	PASS
2	11400	26.61	34.40	7.79	54.00	19.60	AV	Horizo	PASS
3	17100	31.15	47.15	16.00	74.00	26.85	PK	Horizo	PASS
4	17100	22.83	38.83	16.00	54.00	15.17	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5700MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

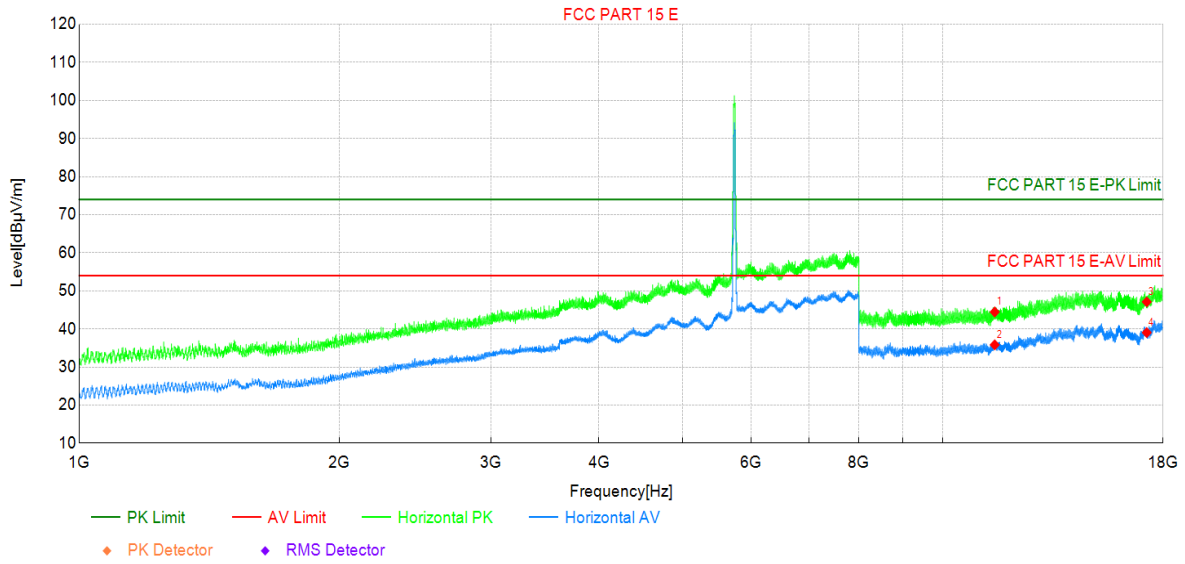
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11400	35.69	43.48	7.79	74.00	30.52	PK	Vertic	PASS
2	11400	27.54	35.33	7.79	54.00	18.67	AV	Vertic	PASS
3	17100	30.58	46.58	16.00	74.00	27.42	PK	Vertic	PASS
4	17100	23.22	39.22	16.00	54.00	14.78	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5745MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



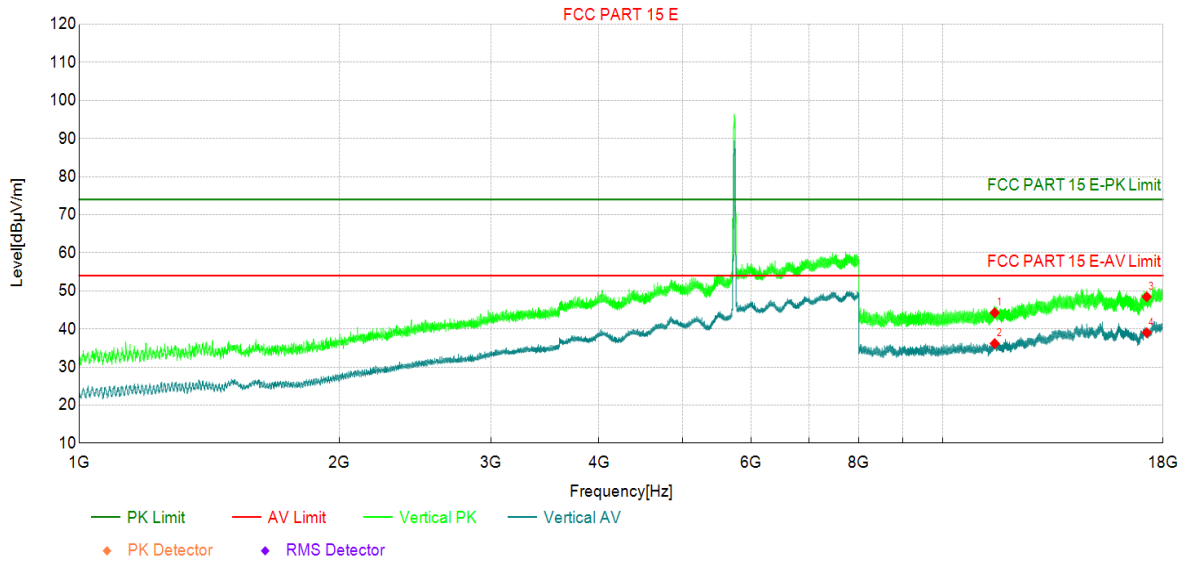
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11490	36.17	44.46	8.29	74.00	29.54	PK	Horizo	PASS
2	11490	27.53	35.82	8.29	54.00	18.18	AV	Horizo	PASS
3	17235	31.63	47.11	15.48	74.00	26.89	PK	Horizo	PASS
4	17235	23.56	39.04	15.48	54.00	14.96	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5745MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



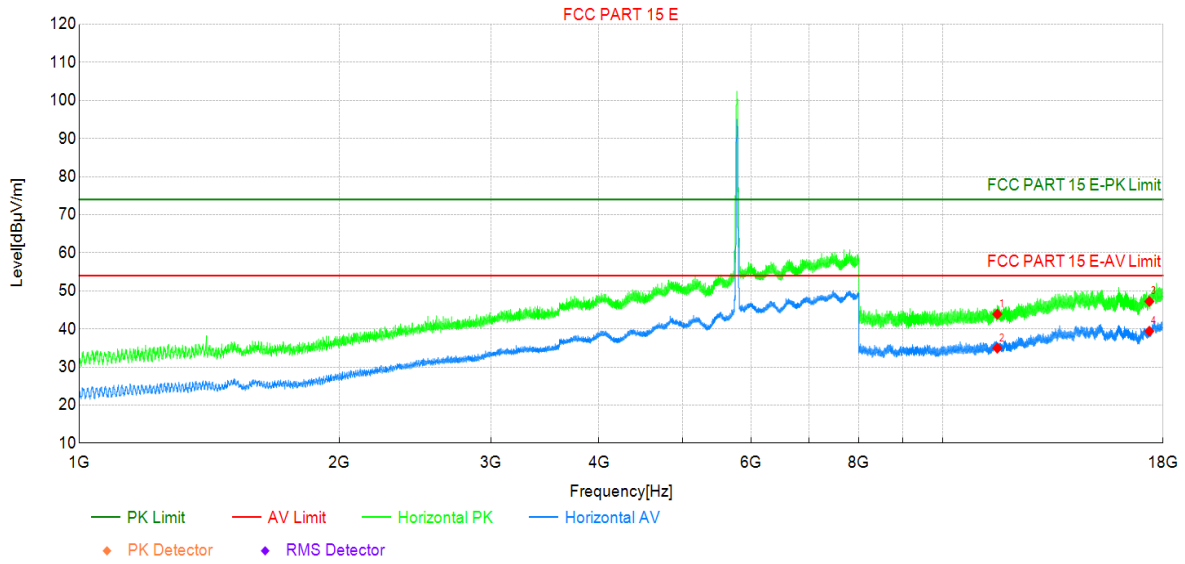
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11490	35.96	44.25	8.29	74.00	29.75	PK	Vertic	PASS
2	11490	27.87	36.16	8.29	54.00	17.84	AV	Vertic	PASS
3	17235	32.95	48.43	15.48	74.00	25.57	PK	Vertic	PASS
4	17235	23.53	39.01	15.48	54.00	14.99	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5785MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

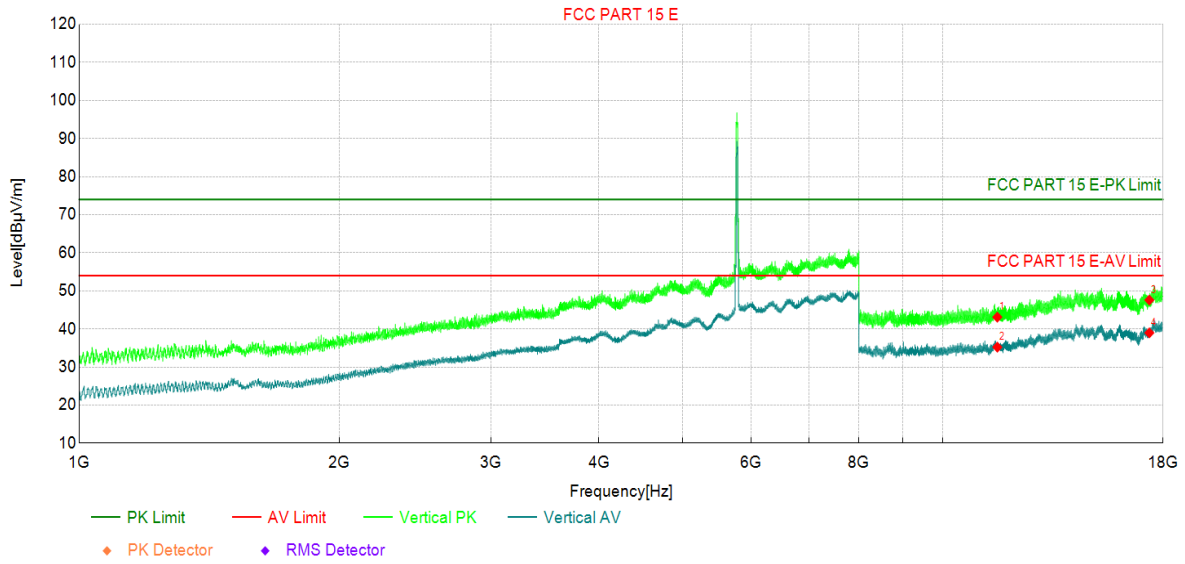
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11570	35.17	43.87	8.70	74.00	30.13	PK	Horizo	PASS
2	11570	26.25	34.95	8.70	54.00	19.05	AV	Horizo	PASS
3	17355	31.66	47.22	15.56	74.00	26.78	PK	Horizo	PASS
4	17355	23.84	39.40	15.56	54.00	14.60	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5785MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

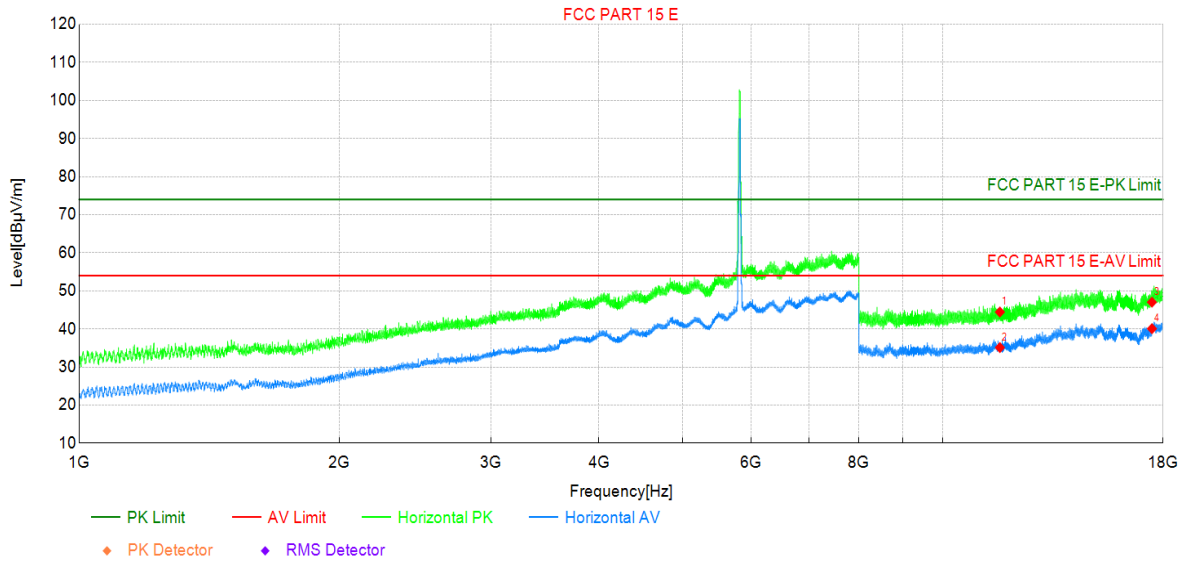
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11570	34.40	43.10	8.70	74.00	30.90	PK	Vertic	PASS
2	11570	26.52	35.22	8.70	54.00	18.78	AV	Vertic	PASS
3	17355	32.03	47.59	15.56	74.00	26.41	PK	Vertic	PASS
4	17355	23.41	38.97	15.56	54.00	15.03	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5825MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

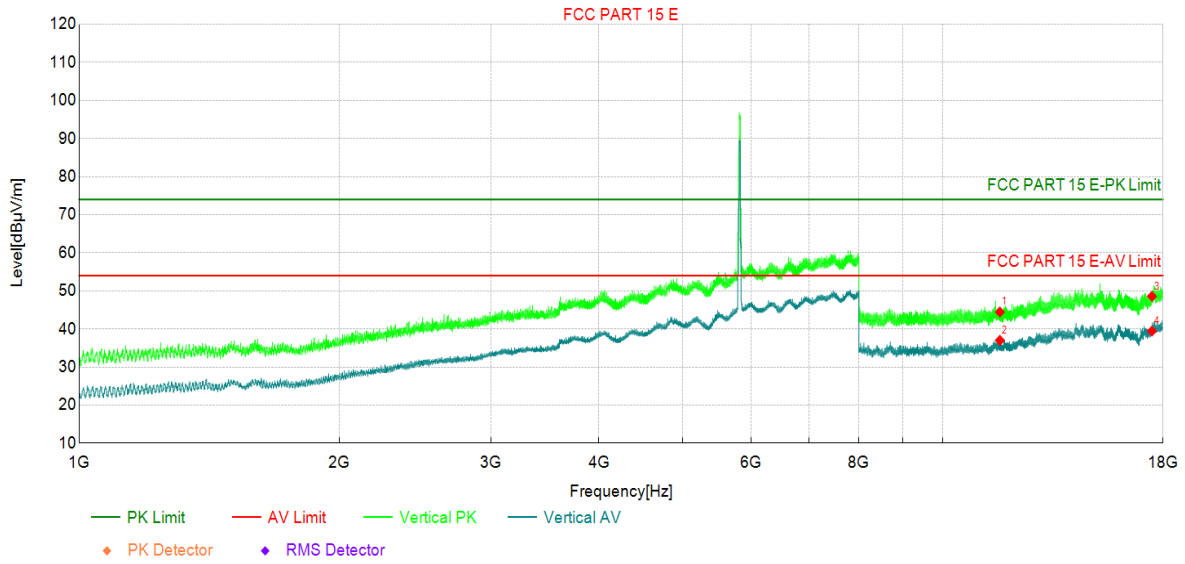
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11650	35.80	44.45	8.65	74.00	29.55	PK	Horizo	PASS
2	11650	26.46	35.11	8.65	54.00	18.89	AV	Horizo	PASS
3	17475	30.16	47.03	16.87	74.00	26.97	PK	Horizo	PASS
4	17475	23.19	40.06	16.87	54.00	13.94	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 2:Transmit at 5825MHz by 802.11n(20MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

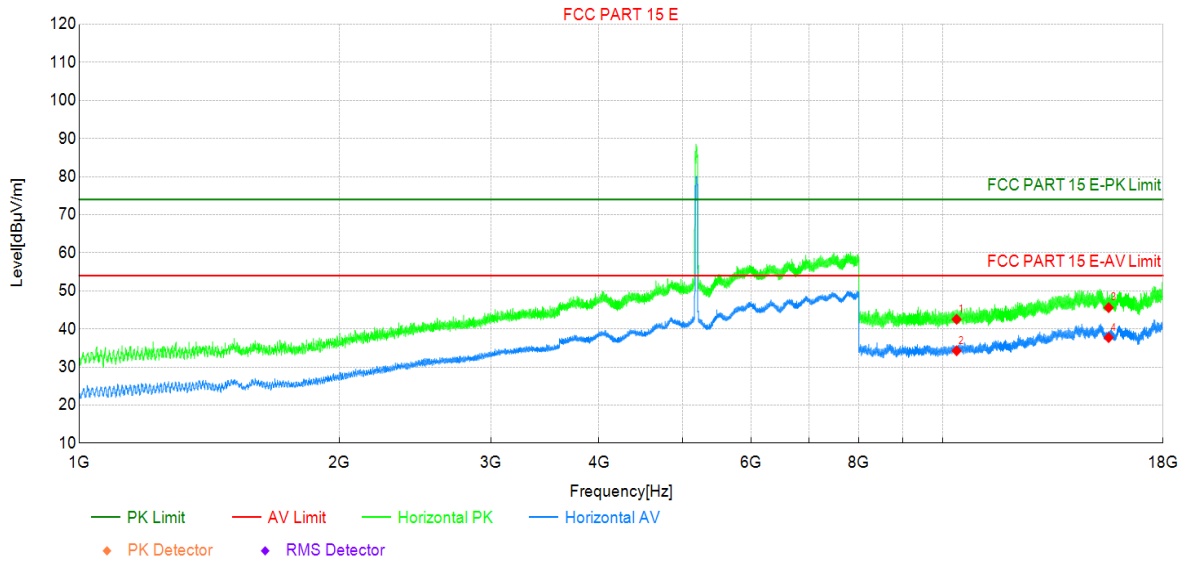
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11650	35.79	44.44	8.65	74.00	29.56	PK	Vertic	PASS
2	11650	28.36	37.01	8.65	54.00	16.99	AV	Vertic	PASS
3	17475	31.69	48.56	16.87	74.00	25.44	PK	Vertic	PASS
4	17475	22.58	39.45	16.87	54.00	14.55	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 3:Transmit at 5190MHz by 802.11n(40MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

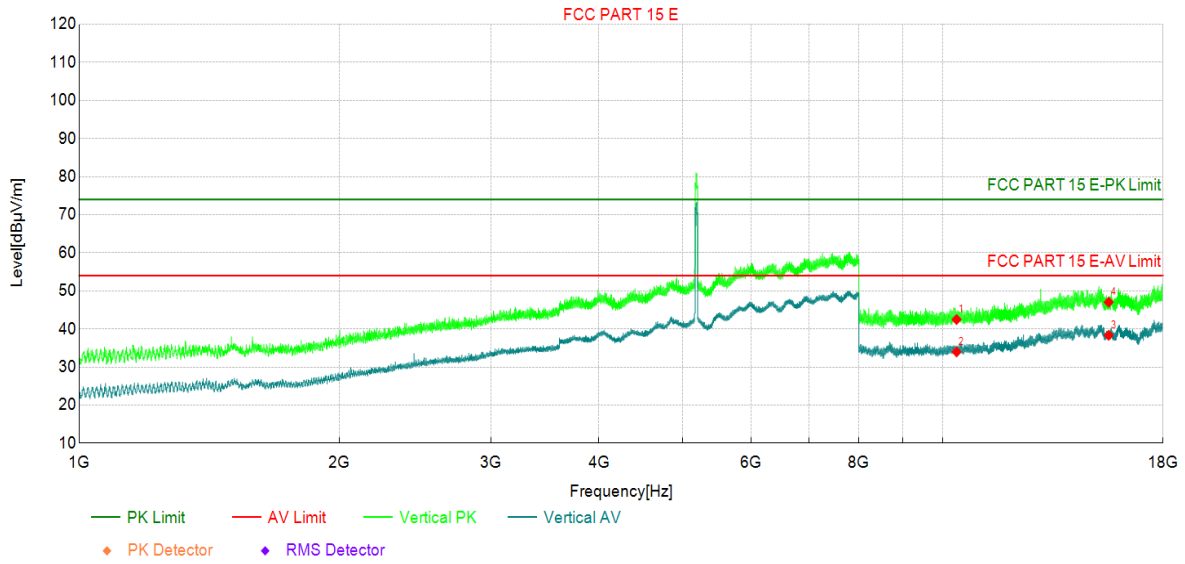
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10380	36.12	42.52	6.40	74.00	31.48	PK	Horizo	PASS
2	10380	27.86	34.26	6.40	54.00	19.74	AV	Horizo	PASS
3	15570	31.96	45.59	13.63	74.00	28.41	PK	Horizo	PASS
4	15570	24.09	37.72	13.63	54.00	16.28	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 3:Transmit at 5190MHz by 802.11n(40MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



Suspected Data List

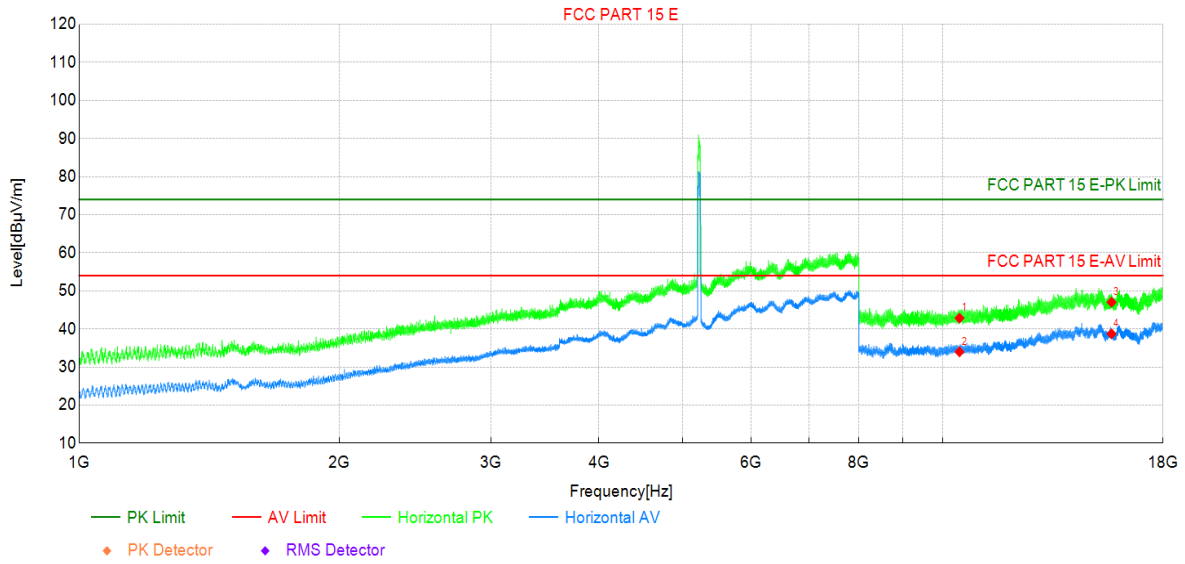
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10380	36.08	42.48	6.40	74.00	31.52	PK	Vertic	PASS
2	10380	27.56	33.96	6.40	54.00	20.04	AV	Vertic	PASS
3	15570	24.70	38.33	13.63	54.00	15.67	AV	Vertic	PASS
4	15570	33.40	47.03	13.63	74.00	26.97	PK	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 3:Transmit at 5230MHz by 802.11n(40MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



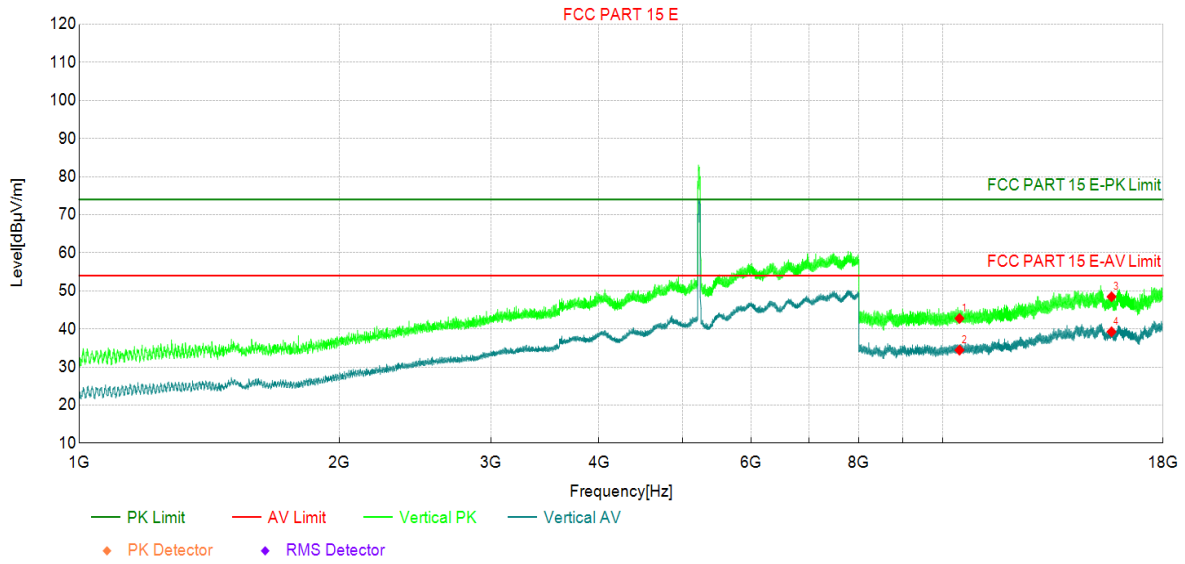
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10460	36.12	42.83	6.71	74.00	31.17	PK	Horizo	PASS
2	10460	27.27	33.98	6.71	54.00	20.02	AV	Horizo	PASS
3	15690	32.51	47.03	14.52	74.00	26.97	PK	Horizo	PASS
4	15690	24.19	38.71	14.52	54.00	15.29	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 3:Transmit at 5230MHz by 802.11n(40MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



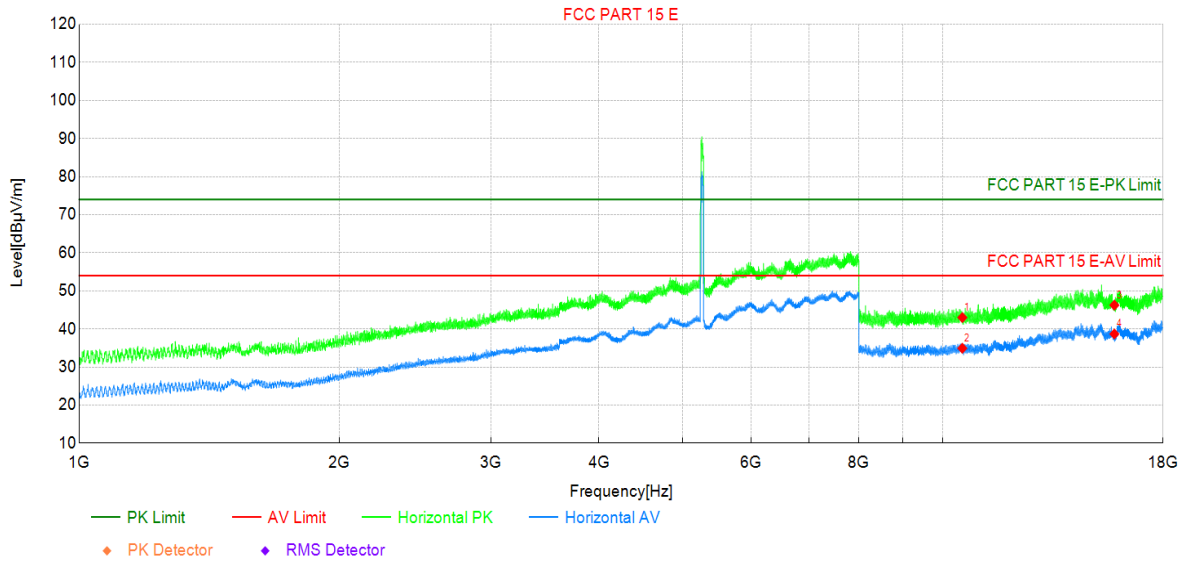
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10460	36.03	42.74	6.71	74.00	31.26	PK	Vertic	PASS
2	10460	27.72	34.43	6.71	54.00	19.57	AV	Vertic	PASS
3	15690	33.93	48.45	14.52	74.00	25.55	PK	Vertic	PASS
4	15690	24.72	39.24	14.52	54.00	14.76	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 3:Transmit at 5270MHz by 802.11n(40MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15 E		

Test Graph



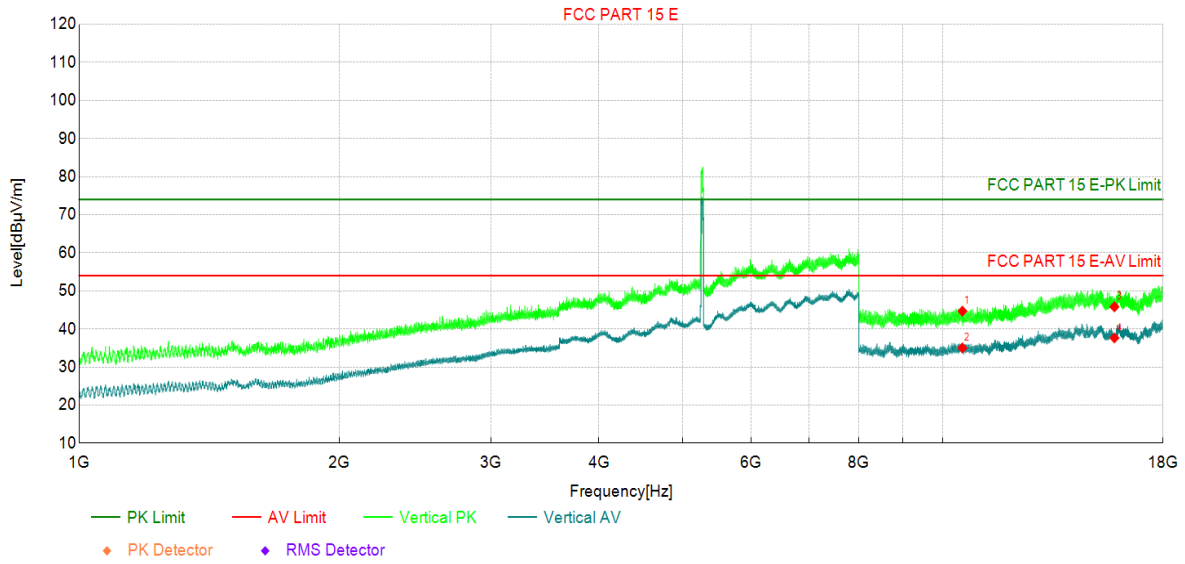
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	10540	36.08	43.00	6.92	74.00	31.00	PK	Horizo	PASS
2	10540	28.00	34.92	6.92	54.00	19.08	AV	Horizo	PASS
3	15810	32.18	46.24	14.06	74.00	27.76	PK	Horizo	PASS
4	15810	24.62	38.68	14.06	54.00	15.32	AV	Horizo	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

Test Report

Project Information			
Profile:	24C0528R	EUT:	Xiaomi TV Box S
Mode:	Mode 3:Transmit at 5270MHz by 802.11n(40MHz)	Voltage:	120 Vac / 60 Hz
Environment:	Temp: 25℃; Humi:60%	Engineer	Yu Liu
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	10540	37.76	44.68	6.92	74.00	29.32	PK	Vertic	PASS
2	10540	28.09	35.01	6.92	54.00	18.99	AV	Vertic	PASS
3	15810	31.76	45.82	14.06	74.00	28.18	PK	Vertic	PASS
4	15810	23.58	37.64	14.06	54.00	16.36	AV	Vertic	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level