

Prüfbericht-Nr.: <i>Test report no.:</i>	CN225YDB 001	Auftrags-Nr.: <i>Order no.:</i>	168359213	Seite 1 von 31 <i>Page 1 of 31</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2022-02-14	
Auftraggeber: <i>Client:</i>	Beijing Smartmi Electronic Technology Co., Ltd. Room 6111, 1st Floor, Building 6, No.18 Xueqing Road, Haidian District, Beijing P.R. China			
Prüfgegenstand: <i>Test item:</i>	Jya Fjord Pro Air Purifier			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	JYKQJHQPR1			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.225			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2022-02-18	Please refer to Photo Document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003213645-001 A003211856-001,002			
Prüfzeitraum: <i>Testing period:</i>	2022-02-24 – 2022-03-02			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	<u>X Bell Hu</u> <small>Signed by: Bell Hu</small>	genehmigt von: <i>authorized by:</i>	<u>X Lin Lin</u> <small>Signed by: Lin Lin</small>	
Datum: <i>Date:</i>	2022-04-01	Ausstellungsdatum: <i>Issue date:</i>	2022-04-01	
Stellung / Position:	Project Manager	Stellung / Position:	Reviewer	
Sonstiges / Other:	FCC ID: 2AP98-JYKQJHQPR1 It contains a single modular FCC ID 2ANDL-TYWE3SE.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 20dB BANDWIDTH

RESULT: Pass

5.1.3 FREQUENCY STABILITY

RESULT: Pass

5.1.4 RADIATED SPURIOUS EMISSION (IN-BAND & OUT-BAND EMISSIONS)

RESULT: Pass

5.1.5 CONDUCTED EMISSIONS ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Setup Photos

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Accreditation Designation No.: CN1260

ISED Wireless Device Testing Laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Unwanted Emission Testing (TS9975)				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR 7	102021	2022-08-10
System Controller Interface	R&S	SCI-100	S10010038	N/A
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2022-08-09
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2022-08-08
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218719	2022-08-08
Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18312	2022-08-08
Biconical Broadband Antenna (30 MHz - 1 GHz)	Schwarzbeck	VUBA 9117	357	2024-08-02
Double Ridged Broadband Horn Antenna (1 – 18 GHz)	Schwarzbeck	BBHA 9120 D	01760	2024-07-30
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2022-09-13
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-06-22
Conducted Emissions				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102428	2022-08-10
Artificial Mains Network	R&S	ENV216	102333	2022-08-10
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-7}$
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	$\pm 3.70 \text{ dB} / \pm 3.30 \text{ dB}$
Radiated Emission (3m SAC), 30MHz to 1000MHz	$\pm 4.52 \text{ dB}$
Radiated Emission (3m SAC), above 1000MHz	$\pm 4.37 \text{ dB}$
Temperature	$\pm 1 \text{ }^\circ\text{C}$
Humidity	$\pm 5 \%$
Voltage (DC)	$\pm 1 \%$
Voltage (AC, <10kHz)	$\pm 2 \%$

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is Jya Fjord Pro Air Purifier, which supports Wi-Fi 802.11 b/g/n and card recognition (RFID) function.

Note: As for Wi-Fi function, please refer to single module FCC ID 2ANDL-TYWE3SE.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	Jya Fjord Pro Air Purifier
Type Designation	JYKQJHQPR1
FCC ID	2AP98-JYKQJHQPR1
Operating Temperature Range	0°C~40 °C
Operating Voltage	AC 120V, 60Hz
Testing Voltage	AC 120V, 60Hz
Rated Power	65W
Technical Specification of Wi-Fi 802.11 b/g/n	
Operating Frequency	2.4GHz Wi-Fi: 2412-2462MHz
Type of Modulation	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM)
Bandwidth	For 801.11b: 20 MHz For 801.11g: 20 MHz For 801.11n(HT20): 20 MHz For 801.11n(HT-40): 40 MHz
Data Rate	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 for 802.11n
Channel Number	13 channels for 802.11b/g/n(HT20) 9 channels for 802.11n(HT40)
Channel Separation	5 MHz
Antenna Type	Integral Antenna
Antenna gain	2.5dBi
Technical Specification of RFID	
Operating Frequency	13.56 MHz
Type of Modulation	ASK
Channel Number	1 channel
Antenna Type	Integral Antenna
Antenna gain	0dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, RFID transmitting mode
- B. On, Simultaneous mode for RFID and Wi-Fi
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form

- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model *JYKQJHQPR1* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 3: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
--	--	--	--

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

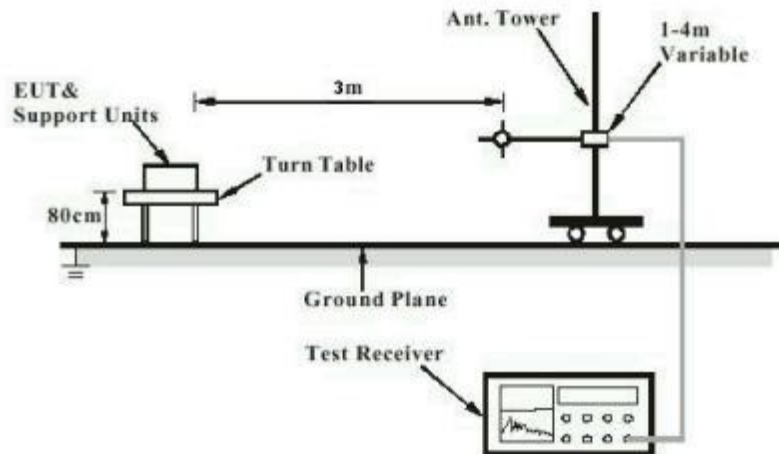


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

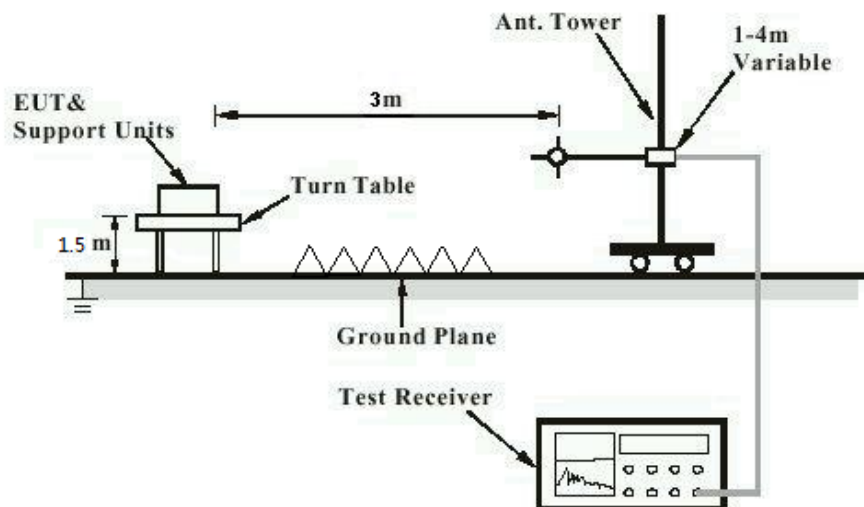


Diagram of Measurement Configuration for Conducted Transmitter Measurement

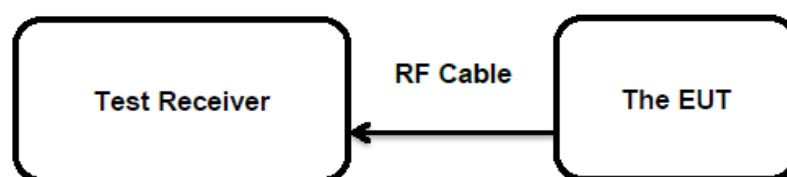
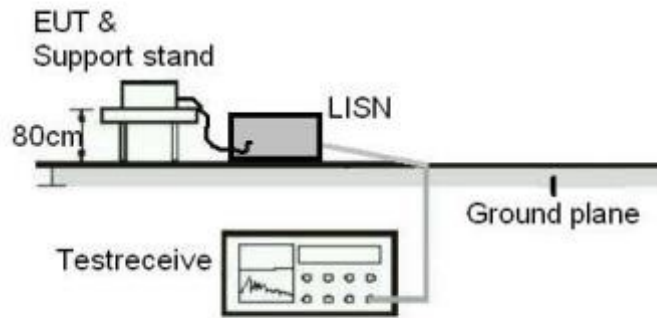


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.203

According to the manufacturer declared, the EUT has an Integral Antenna, the directional gain of antenna of RFID is 0dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 20dB Bandwidth

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.215 (c)
 Basic standard : ANSI C63.10: 2013
 Limits : N/A
 Kind of test site : Shielded Room

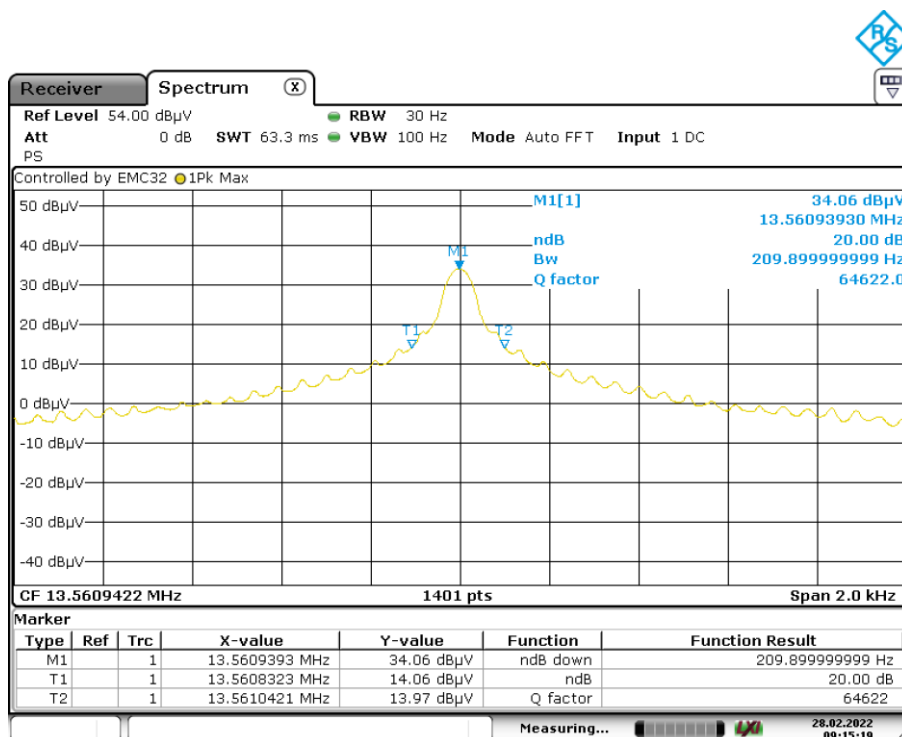
Test Setup

Date of testing : 2022-02-28
 Input voltage : AC 120V, 60Hz
 Operation mode : A
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 4: Test Result of 20dB Bandwidth

Test Frequency (MHz)	20dB Bandwidth (KHz)	F _L (MHz)	F _H (MHz)	Limit (MHz)	Result
13.56	0.21	13.5608323	13.5610421	13.553-13.567	Pass



5.1.3 Frequency Stability

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.225 (e)
 Basic standard : ANSI C63.10: 2013
 Limits : ±0.01% of Operating Frequency (1.356 KHz)
 Kind of test site : Shielded Room

Test Setup

Date of testing : 2022-02-28
 Input voltage : AC 120V, 60Hz
 Operation mode : A
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 5: Test Result of Frequency Tolerance

Test Frequency (MHz)	Test Conditions		Test Results (KHz)	Deviation (KHz)	Limit (KHz)	Result
	Temp(°C)	Volt(V AC)				
13.56	-20	120	13561.105	0.105	±0.01% (1.356 KHz)	Pass
	-10	120	13561.113	0.113		Pass
	0	120	13561.129	0.129		Pass
	10	120	13561.158	0.158		Pass
	20	120	13561.237	0.237		Pass
	30	120	13561.181	0.181		Pass
	40	120	13561.362	0.362		Pass
	50	120	13561.354	0.354		Pass
	20	102	13561.138	0.138		Pass
		138	13561.172	0.172		Pass

Note: Deviation (kHz) = (Test Result-13.56MHz)*1000

5.1.4 Radiated Spurious Emission (In-Band & Out-Band Emissions)

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.225 (a)(b)(c)(d) FCC Part 15.209 & 15.205
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to FCC Part 15.209(a)
Kind of test site	: 3m Semi-anechoic Chamber

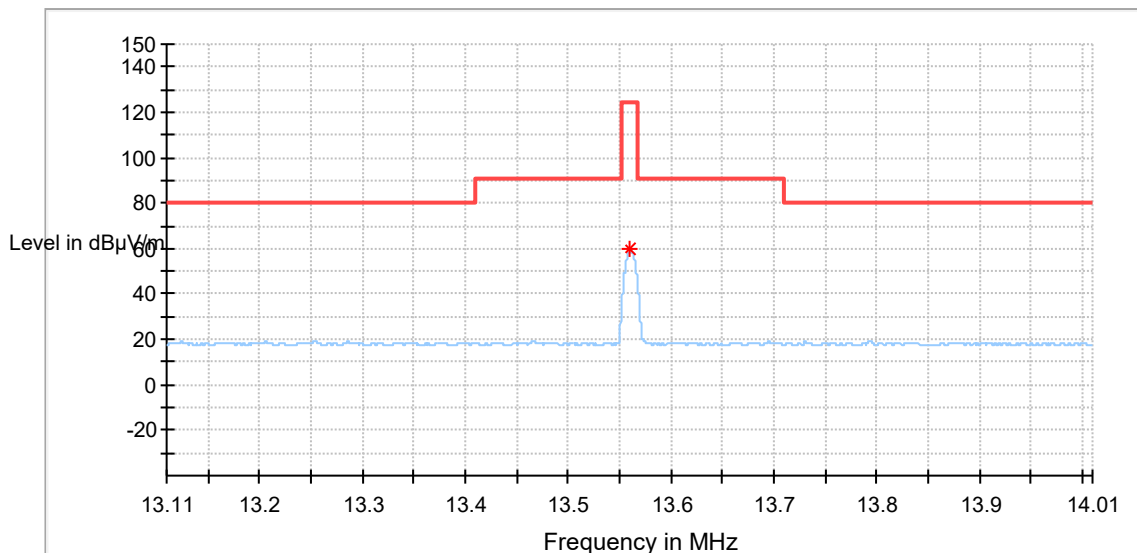
Test Setup

Date of testing	: 2022-02-28 to 2022-03-02
Input voltage	: AC 120V, 60Hz
Operation mode	: A, B
Ambient temperature	: 22 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

Refer to following test plots for details of test result.

Fundamental:
EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin


Critical_Freqs

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.560927	59.48	124.00	64.52	100.0	X	337.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

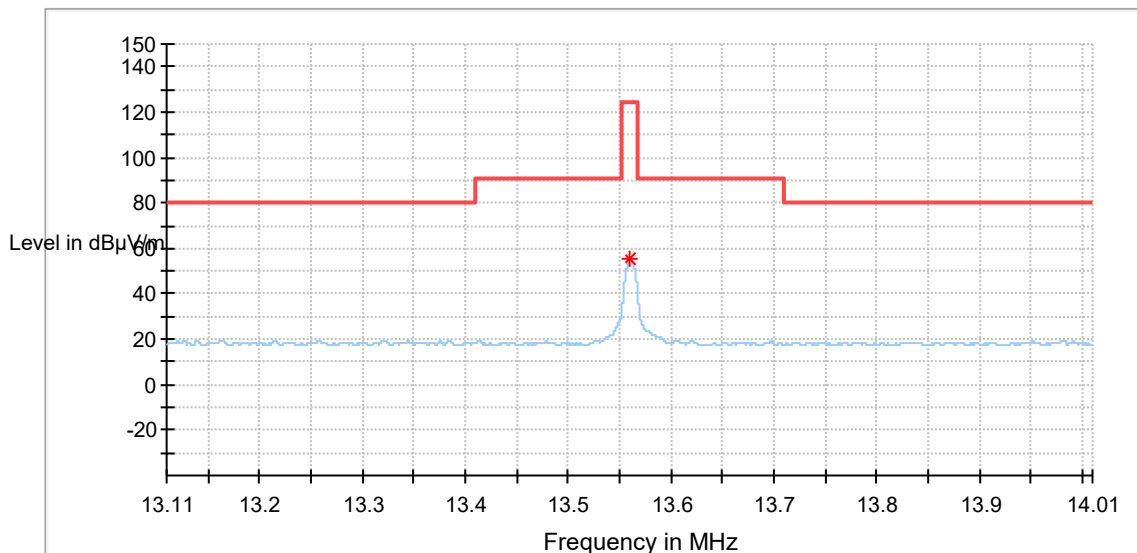
Frequency (MHz)	Raw Rec (dBµV)	Comment
13.560927	39.5	5:10:12 PM - 28/2/2022

Final Result

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
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EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.560927	55.68	124.00	68.32	100.0	Y	329.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

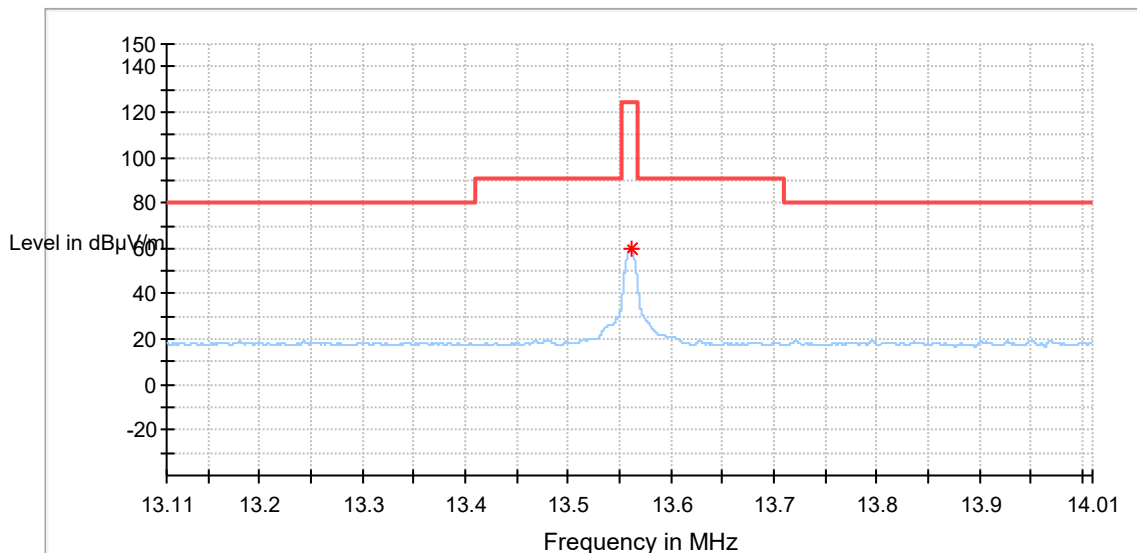
Frequency (MHz)	Raw Rec (dBµV)	Comment
13.560927	35.7	5:36:53 PM - 28/2/2022

Final_Result

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
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EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.561191	59.55	124.00	64.45	100.0	Z	0.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

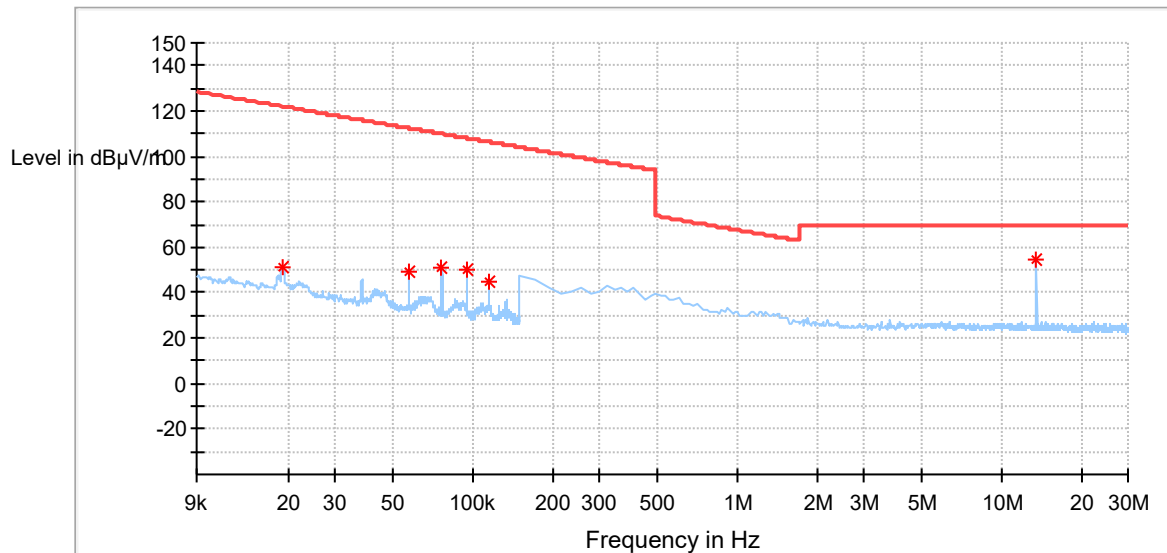
Frequency (MHz)	Raw Rec (dBµV)	Comment
13.561191	39.5	6:00:51 PM - 28/2/2022

Final_Result

Frequency (MHz)	QP (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
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9KHz – 30MHz:
EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin


Critical_Freqs

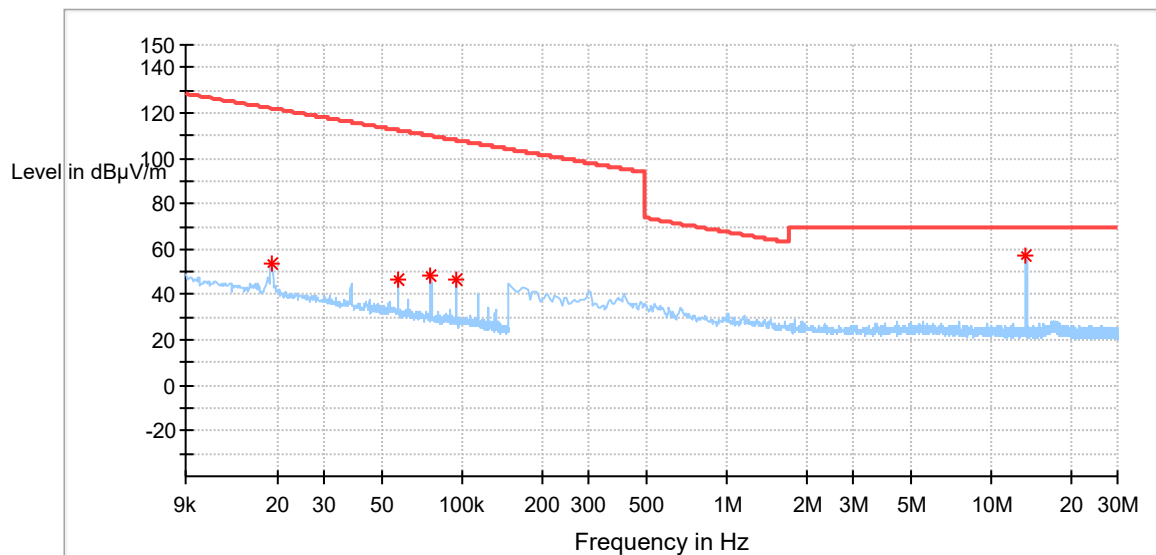
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018971	50.56	122.03	71.47	100.0	V	311.0	20.1
0.057141	49.60	112.46	62.86	100.0	V	20.0	20.1
0.076076	51.20	109.97	58.77	100.0	V	16.0	20.1
0.095211	49.86	108.02	58.16	100.0	V	221.0	20.1
0.114246	44.70	106.44	61.74	100.0	V	250.0	20.1
13.561179	54.35	69.50	15.15	100.0	V	36.0	20.5

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

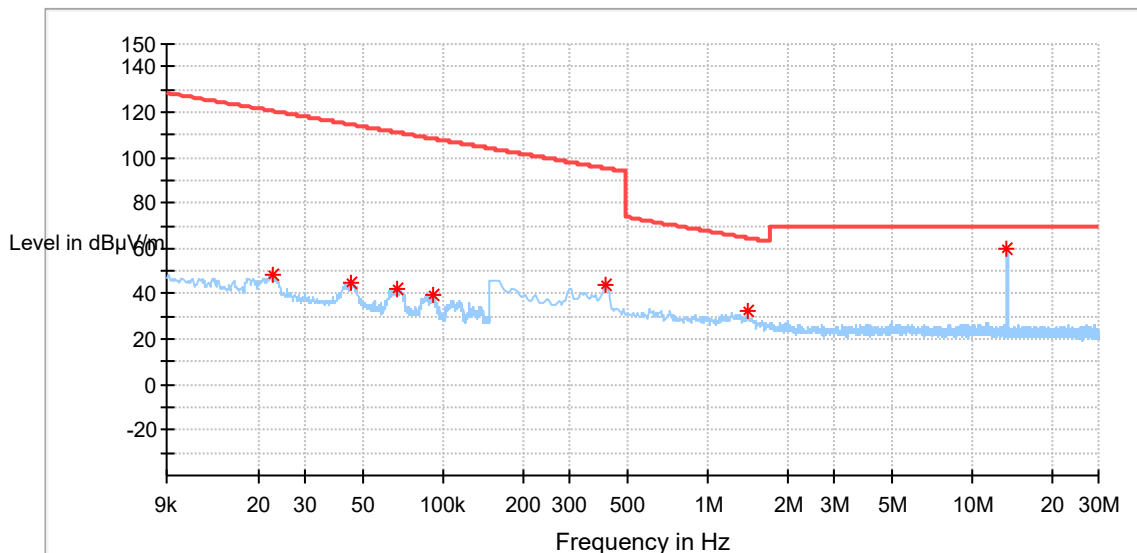
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018971	53.81	122.03	66.21	100.0	V	200.0	20.1
0.057141	46.76	112.46	65.69	100.0	V	252.0	20.1
0.076176	48.15	109.96	61.81	100.0	V	273.0	20.1
0.095211	46.34	108.02	61.68	100.0	V	162.0	20.1
13.560552	56.82	69.50	12.68	100.0	V	322.0	20.5

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Jya Fjord Pro Air Purifier
 Model: JYKQJHQPR1
 Test Mode: 13.56MHz
 Order No/Sample No: 168359213/A003213645-001
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:56%
 Test Standard: FCC Part 15C
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.022697	48.25	120.47	72.22	100.0	Z	354.0	20.1
0.044451	45.00	114.64	69.64	100.0	Z	282.0	20.1
0.067414	42.02	111.02	69.00	100.0	Z	0.0	20.1
0.091485	39.94	108.37	68.43	100.0	Z	9.0	20.1
0.408993	43.54	95.37	51.83	100.0	Z	258.0	20.1
1.423015	32.20	64.57	32.37	100.0	Z	18.0	20.1
13.560552	60.04	69.50	9.46	100.0	Z	0.0	20.5

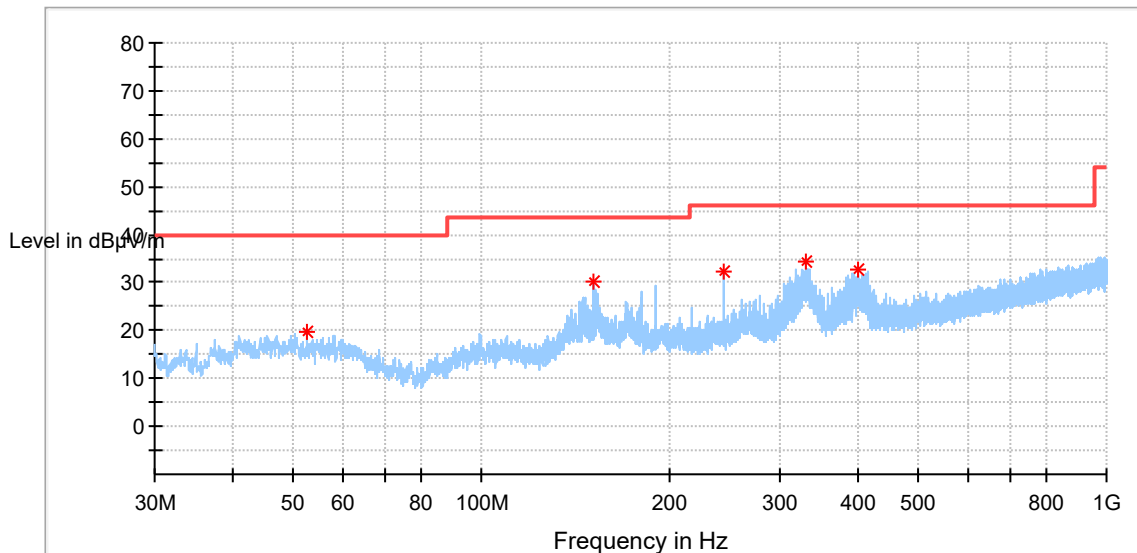
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

30MHz - 1GHz:

EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

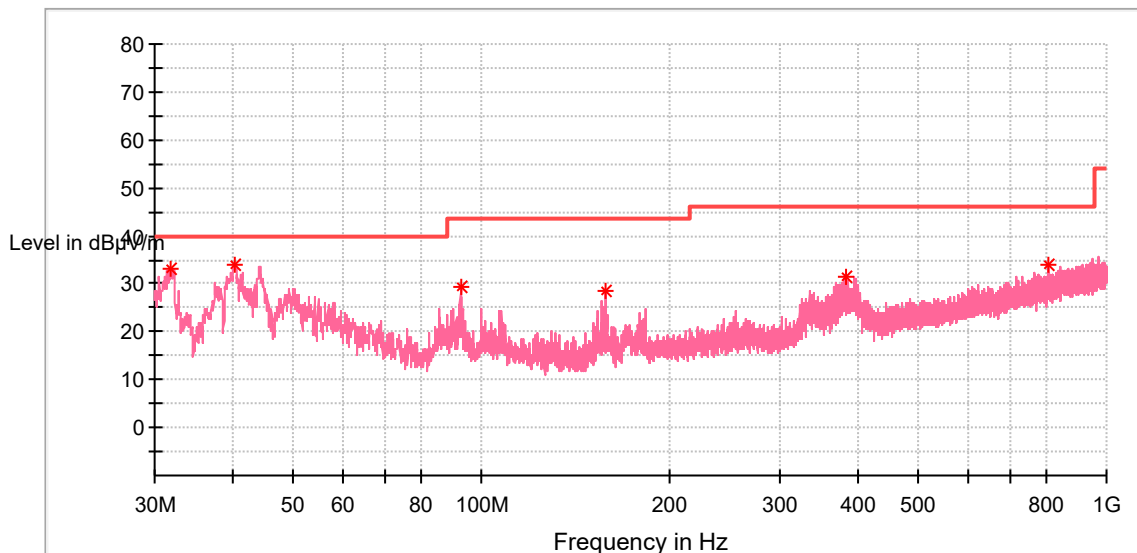
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
52.649500	19.78	40.00	20.22	100.0	H	218.0	-18.4
151.104500	30.01	43.50	13.49	100.0	H	348.0	-22.1
244.079000	32.31	46.00	13.69	100.0	H	348.0	-17.6
330.360500	34.21	46.00	11.79	100.0	H	16.0	-15.4
401.655500	32.67	46.00	13.33	100.0	H	61.0	-13.6

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	13.56MHz
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.891500	33.25	40.00	6.75	100.0	V	0.0	-22.7
40.185000	33.89	40.00	6.11	100.0	V	0.0	-20.1
92.565000	29.47	43.50	14.03	100.0	V	288.0	-20.4
157.943000	28.45	43.50	15.05	100.0	V	288.0	-21.9
384.147000	31.41	46.00	14.59	100.0	V	347.0	-14.1
805.612000	34.04	46.00	11.96	100.0	V	54.0	-6.3

Final Result

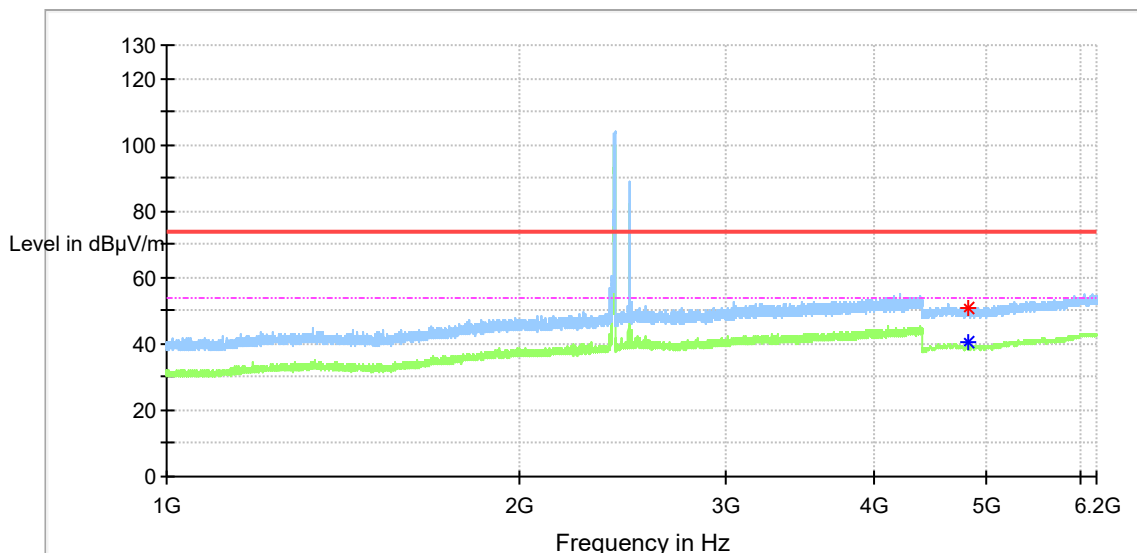
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Above 1GHz (RFID+ Wi-Fi):

All modes tested, only the worst-case combination (802.11b+RFID) reported and no emissions exceed the highest limit permitted for any one individual transmitter as required by Section 2.947(f).
 The emissions beyond the limits are the Wi-Fi fundamental.

EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Model:	JYKQJHQPR1
Test Mode:	802.11b+RFID
Order No/Sample No:	168359213/A003213645-001
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4822.500000	51.07	---	74.00	22.93	100.0	H	167.0	11.8
4823.500000	---	40.77	54.00	13.23	100.0	H	326.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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5.1.5 Conducted Emissions on AC Mains

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.207(a)
Basic standard : ANSI C63.10: 2013
Limits : FCC Part 15.207(a)
Kind of test site : Shielded Room

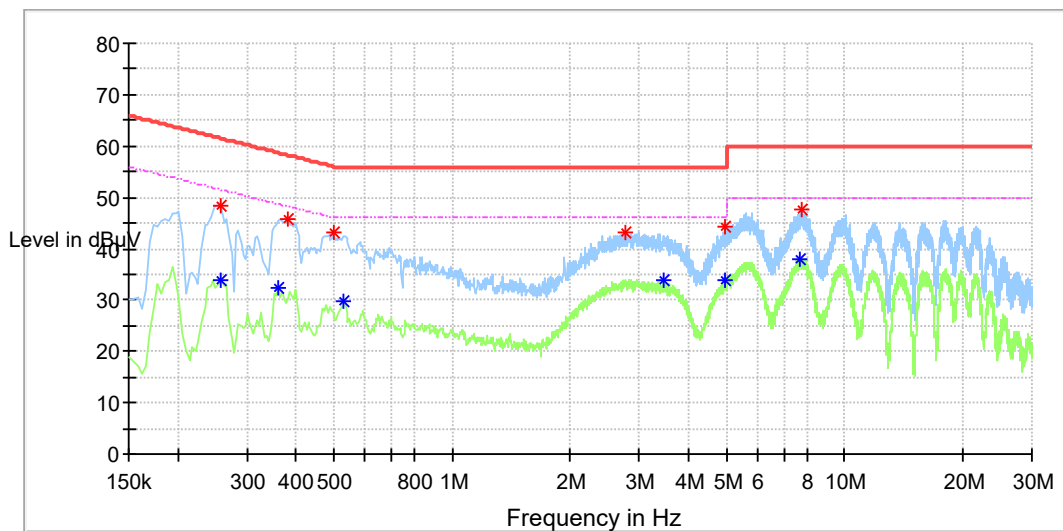
Test Setup

Date of testing : 2022-02-24
Input voltage : AC 120V, 60Hz
Operation mode : B
Ambient temperature : 23.1 °C
Relative humidity : 52 %
Atmospheric pressure : 101 kPa

Refer to following test plots for details of test result.

EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Order No:	168359213
Model:	JYKQJHQPR1
Test mode:	Wi-Fi connecting with RFID mode
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	SR2

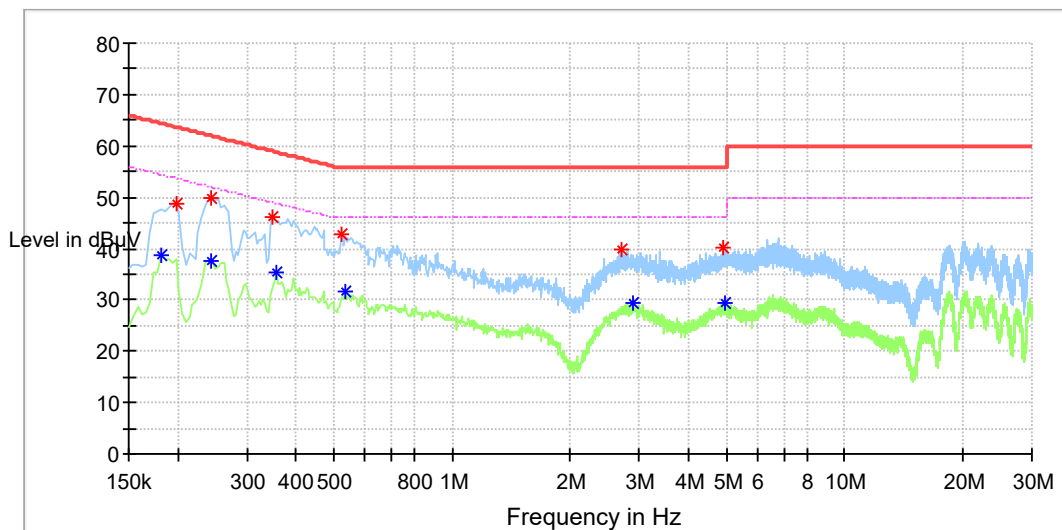


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.258000	---	33.70	51.50	17.79	L1	9.9
0.258000	48.53	---	61.50	12.97	L1	9.9
0.362000	---	32.54	48.68	16.15	L1	9.9
0.382000	45.73	---	58.24	12.51	L1	9.9
0.498000	43.00	---	56.03	13.04	L1	10.0
0.530000	---	29.74	46.00	16.26	L1	10.0
2.758000	43.19	---	56.00	12.82	L1	10.2
3.478000	---	33.92	46.00	12.08	L1	10.2
4.954000	---	33.82	46.00	12.18	L1	10.2
4.978000	44.28	---	56.00	11.72	L1	10.2
7.674000	---	38.10	50.00	11.90	L1	10.3
7.742000	47.55	---	60.00	12.45	L1	10.3

EUT Information

EUT Name:	Jya Fjord Pro Air Purifier
Order No:	168359213
Model:	JYKQJHQPR1
Test mode:	Wi-Fi connecting with RFID mode
Test Voltage:	AC 120V/60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.182000	---	38.59	54.39	15.81	N	9.8
0.198000	48.92	---	63.69	14.77	N	9.8
0.242000	---	37.61	52.03	14.42	N	9.8
0.242000	49.77	---	62.03	12.26	N	9.8
0.350000	46.09	---	58.96	12.88	N	9.8
0.358000	---	35.42	48.78	13.35	N	9.8
0.522000	42.70	---	56.00	13.30	N	9.8
0.534000	---	31.58	46.00	14.42	N	9.8
2.706000	39.99	---	56.00	16.01	N	9.9
2.878000	---	29.38	46.00	16.62	N	9.9
4.910000	40.37	---	56.00	15.63	N	9.9
4.938000	---	29.30	46.00	16.70	N	9.9

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

7 List of Tables

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