

Prüfbericht-Nr.: <i>Test report no.:</i>	CN255LJ0 001	Auftrags-Nr.: <i>Order no.:</i>	168512050	Seite 1 von 17 Page 1 of 17
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-11-12	
Auftraggeber: <i>Client:</i>	Shining 3D Tech Co., Ltd. No. 1398, Xiangbin Road, Wenyan, Xiaoshan, Hangzhou, Zhejiang, P.R. China			
Prüfgegenstand: <i>Test item:</i>	3D Printer, Dental Appliances Manufacturing Device			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	AccuFab-F1, Dcraft-4			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR Title 47 FCC Part 15: Subpart C Section 15.225 RSS-210 Issue 11 June 2025 RSS-Gen Issue 5 February 2021			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-12-03	Refer to Photos document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003853025-001			
Prüfzeitraum: <i>Testing period:</i>	2025-05-02 - 2025-05-10			
Ort der Prüfung: <i>Place of testing:</i>	Refer to section 2.1			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>			genehmigt von: <i>authorized by:</i>	
Datum: <i>Date:</i>	2025-06-27	Ausstellungsdatum: <i>Issue date:</i>		2025-06-27
Signed by: Bell Hu		Signed by: Jonathan Li		
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / <i>Other:</i>	FCC ID: 2AMG4-F1, IC: 24652-F1, HVIN: AccuFab-F1, Dcraft-4, PMN: 3D Printer, Dental Appliances Manufacturing Device			
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: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable 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 above mentioned 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>				

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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 20dB AND 99% 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 EMISSION 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 Results of NFC.

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China

A2LA Certificate Number: 5162.01

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2024-09-29	2025-09-28
Signal Analyzer	R&S	FSV 40	101439	2024-09-29	2025-09-28
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2024-09-29	2025-09-28
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2024-09-29	2025-09-28
Amplifier	R&S	SCU-18F	180070	2024-09-29	2025-09-28
Amplifier	R&S	SCU40A	100475	2024-09-29	2025-09-28
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2025-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2025-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	2026-02-09
Artificial Mains Network	R&S	ENV216	102333	2025-07-22
Artificial Mains Network	R&S	ENV216	101445	2026-02-09
LISN ENV216-Receiver cable in SR3	Calibration frequency range: 9 kHz~30 MHz			2025-12-20
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

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B 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 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, 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 product is a 3D Printer, it supports NFC, 5GHz Wi-Fi and 2.4GHz Wi-Fi.
This report is for NFC operation only.

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

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	3D Printer, Dental Appliances Manufacturing Device
Type Designation:	AccuFab-F1,Dcraft-4
Operating Voltage:	100-240V AC; 50/60Hz;
Testing Voltage:	120V AC/50Hz;
FCC ID:	2AMG4-F1
IC ID:	24652-F1
PMN:	3D Printer, Dental Appliances Manufacturing Device (They are electrically identical, only named differently for marketing purpose)
HVIN:	AccuFab-F1,Dcraft-4 (They are electrically identical, only named differently for marketing purpose)
Technical Specification of NFC	
Operating Frequency:	13.56MHz
Type of Modulation:	ASK
Antenna Type:	Integral Antenna
Number of Antenna:	1

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, NFC transmitting mode
- B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|------------------------------|-------------------------|
| - Application Form | - User Manual |
| - ID Label and Location Info | - Operation Description |

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 *AccuFab-F1* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Serial Number
Laptop	Lenovo	T480	PF-16A6N8

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 30MHz)

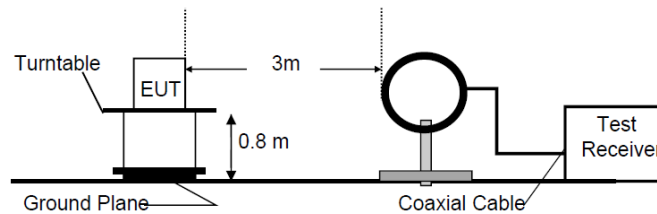


Diagram of Measurement Configuration for Radiation Test (30MHz to 1GHz)

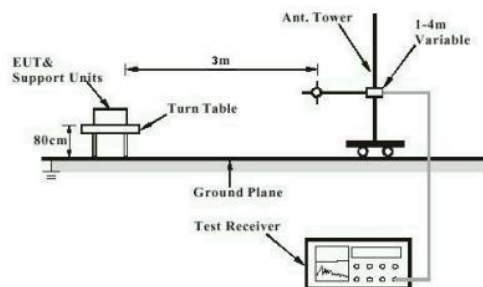
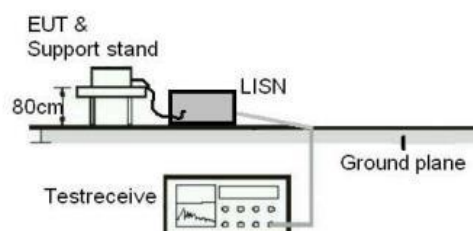


Diagram of Measurement Configuration for Mains Conduction Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard : FCC Part 15.203
RSS-Gen Section 6.8

According to the manufacturer declared, the EUT has a Coil Antenna, 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.

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Test Report No.:Seite 13 von 17
Page 13 of 17**5.1.2 20dB and 99% Bandwidth****RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.215 (c) RSS-Gen Section 6.7
Basic standard	: ANSI C63.10: 2013
Limits	: Within assigned band
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-05-02 to 2025-05-07
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.3 Frequency Stability

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.225 (e) RSS-210, Annex B.6
Basic standard	: ANSI C63.10: 2013
Limits	: $\pm 0.01\%$ of Operating Frequency (1.356 kHz)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-05-02 to 2025-05-07
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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Test Report No.:

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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 RSS-210 Section B.6
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to FCC Part 15.209(a) RSS-210 Section B.6 & RSS-Gen Section 8.9
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2025-05-02 to 2025-05-07
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.5 Conducted Emission on AC Mains

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

Test standard	: FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	: ANSI C63.10: 2013
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-05-02 to 2025-05-07
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Ambient temperature	: 24.0 °C
Relative humidity	: 50.4 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

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

7 List of Tables

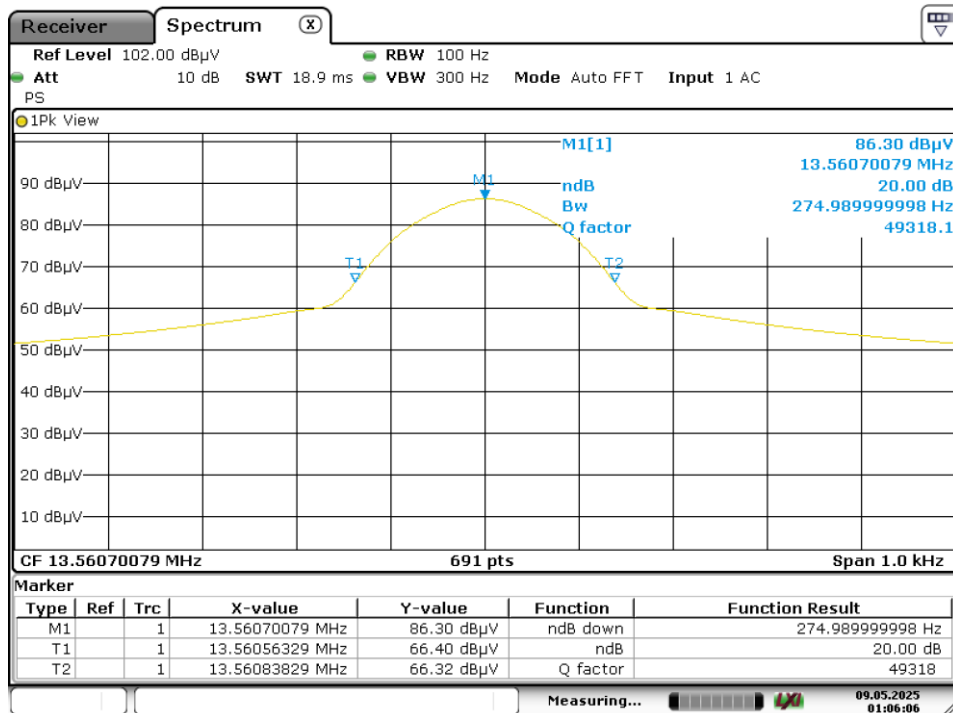
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Appendix A: Test Results of RF ID

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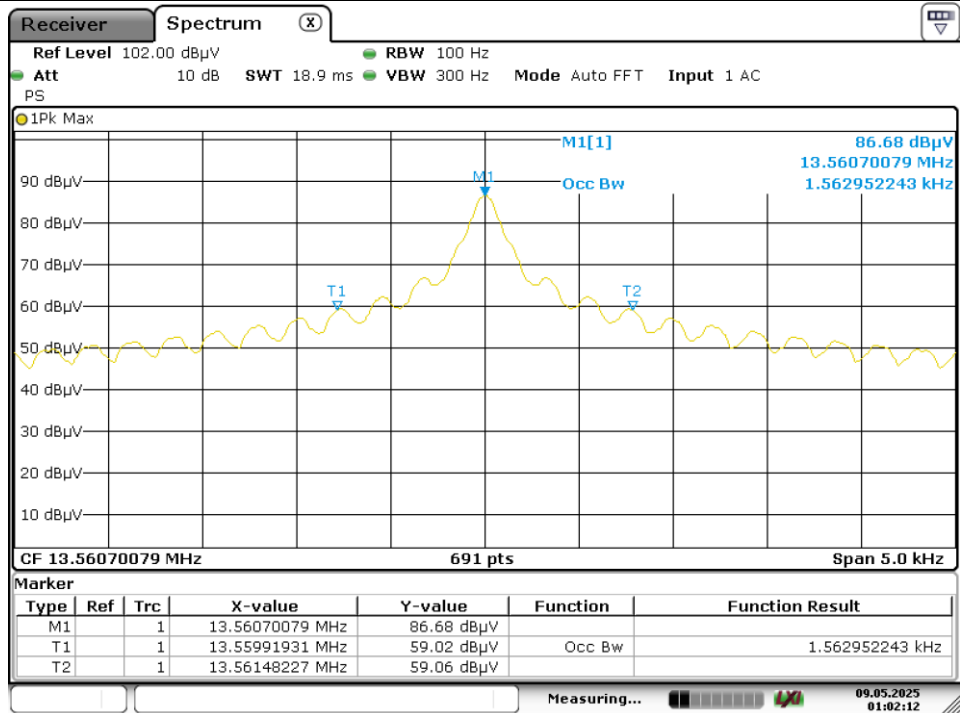
Appendix A.1: Test Results of 20dB Bandwidth and 99% Bandwidth

Test Frequency (MHz)	20dB Bandwidth (KHz)	F _L (MHz)	F _H (MHz)	Limit (MHz)	Result
13.56	0.278	13.56056	13.560838	13.553-13.567	Pass



Date: 9.MAY.2025 01:06:05

Test Frequency (MHz)	99% Bandwidth (KHz)	F _L (MHz)	F _H (MHz)	Limit (MHz)	Result
13.56	1.563	13.5599	13.5615	13.553-13.567	Pass



Date: 9.MAY.2025 01:02:11

Appendix A.2: Test Results 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	13560.203	0.203	±0.01% (1.356 KHz)	Pass
	-10	120	13560.093	0.093		Pass
	0	120	13560.648	0.648		Pass
	10	120	13560.005	0.005		Pass
	20	120	13560.136	0.136		Pass
	30	120	13560.150	0.150		Pass
	40	120	13560.031	0.031		Pass
	50	120	13560.067	0.067		Pass
	20	102	13560.045	0.045		Pass
		138	13560.114	0.114		Pass

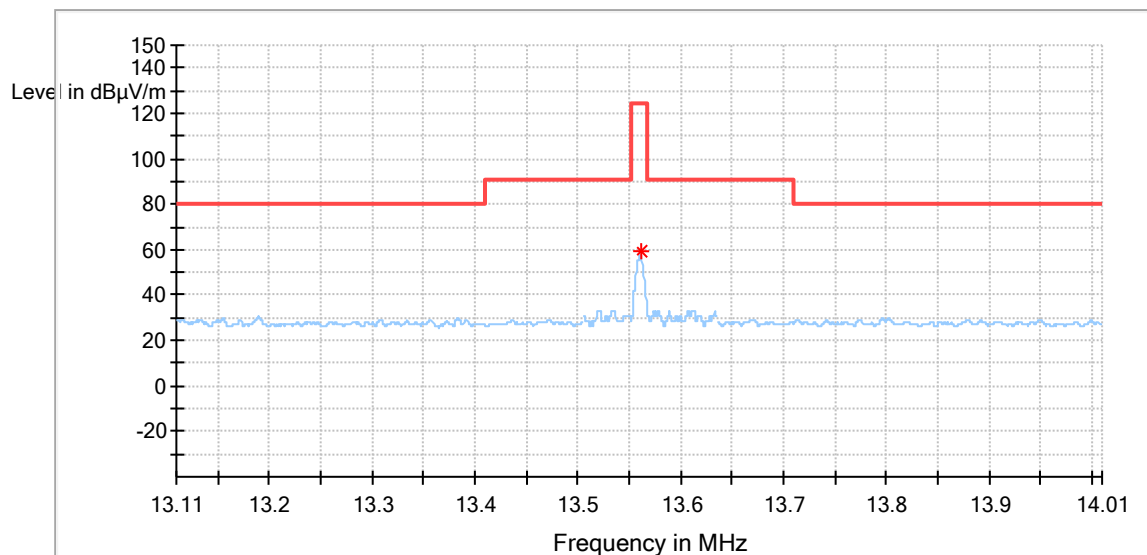
Note: Deviation (kHz) = (Test Result-13.56MHz)*1000

Appendix A.3: Test Results of Radiated Spurious Emission (In-Band & Out-Band Emissions)

Fundamental

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	NFC
Order No/Sample No:	168512050/A003955845-001
Test Voltage::	AC120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

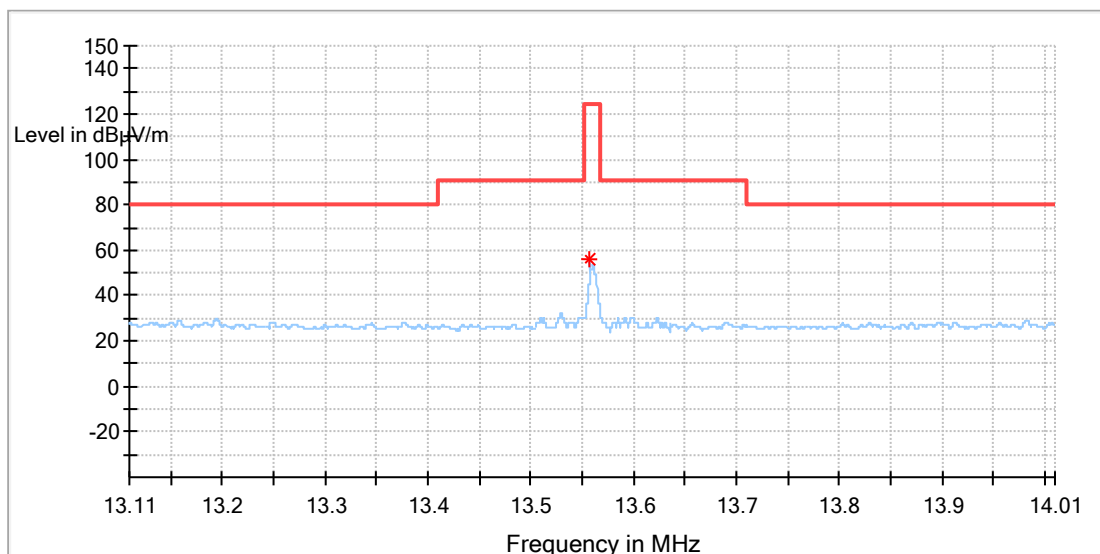
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560397	59.50	124.00	64.50	100.0	X	46.0	20.0

Final Result

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

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: NFC
Order No/Sample No: 168512050/A003955845-001
Test Voltage:: AC120V/60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

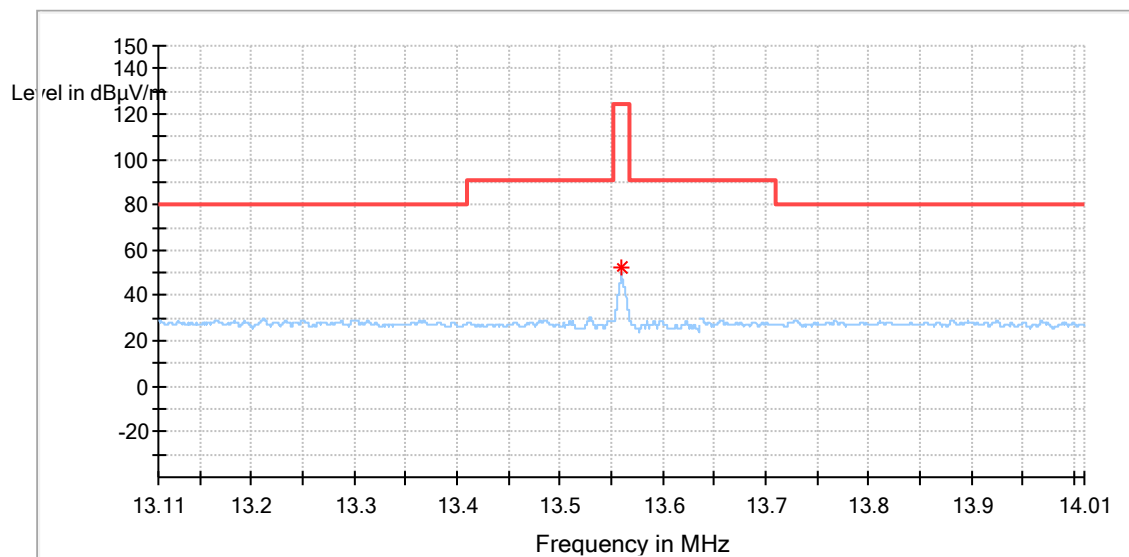
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560397	57.61	124.00	66.39	100.0	Y	122.0	20.0

Final_Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: NFC
Order No/Sample No: 168512050/A003955845-001
Test Voltage:: AC120V/60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.225
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)
13.560000	51.52	124.00	72.48	100.0	Z	30.0	20.0

Final_Result

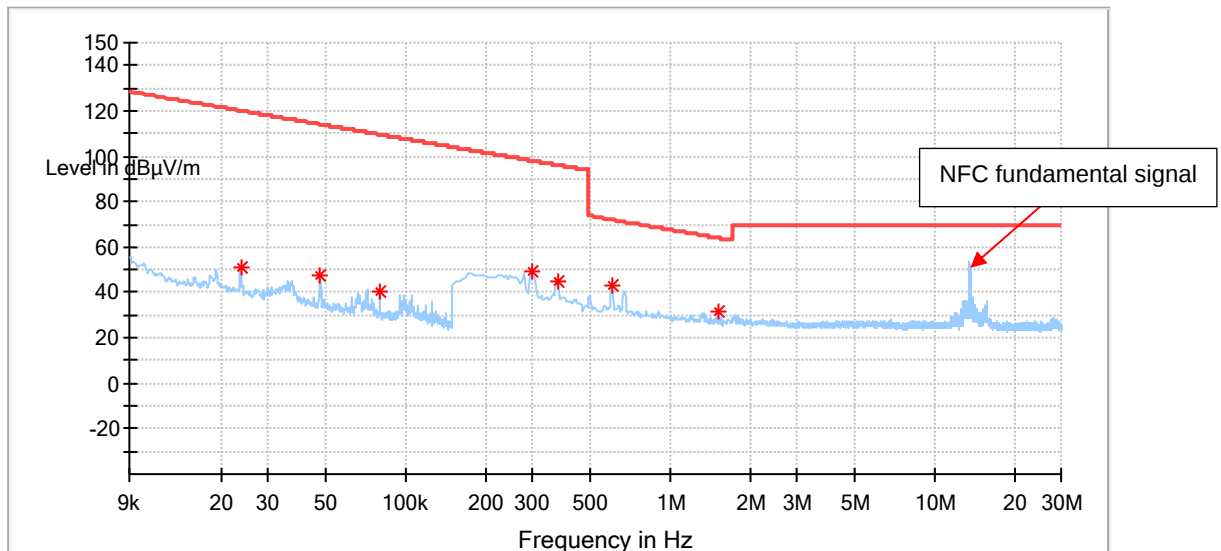
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
---	---	---	---	---		---	---	

9KHz – 30MHz

Test Report

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	NFC
Order No/Sample No:	168512050/A003955845-001
Test Voltage::	AC120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

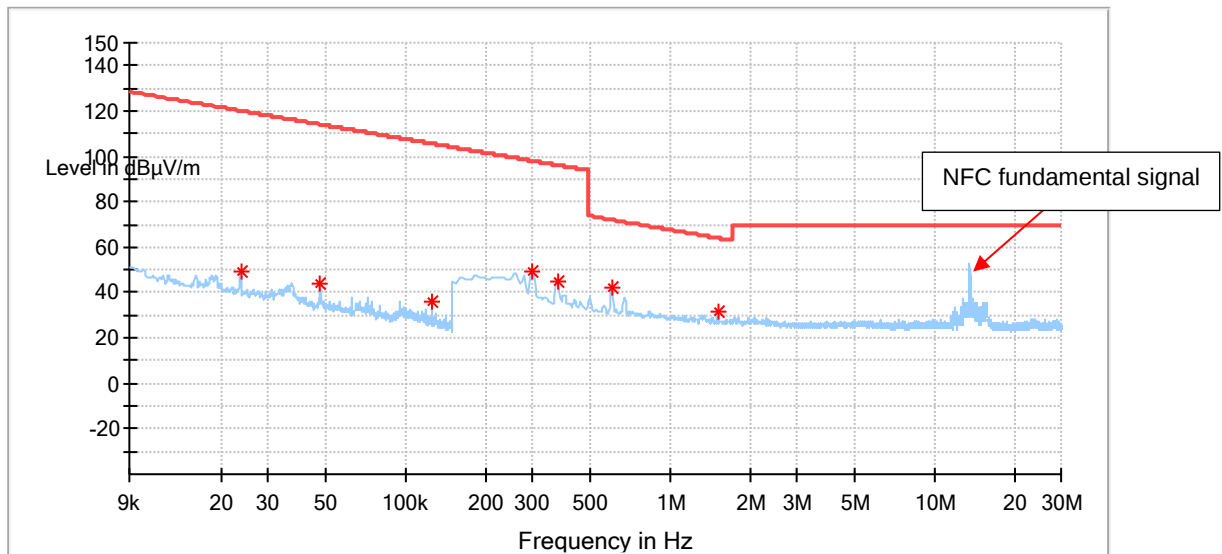
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.023704	51.44	120.09	68.65	100.0	X	301.0	19.9
0.047473	47.40	114.06	66.66	100.0	X	44.0	19.9
0.079903	40.21	109.54	69.33	100.0	X	356.0	19.9
0.299250	49.07	98.08	49.01	100.0	X	241.0	19.9
0.373875	45.11	96.15	51.04	100.0	X	122.0	19.9
0.597750	42.90	72.08	29.17	100.0	X	90.0	19.9
1.506419	31.22	64.07	32.85	100.0	X	328.0	20.0

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: 3D Printer
Model: AccuFab-F1
Test Mode: NFC
Order No/Sample No: 168512050/A003955845-001
Test Voltage:: AC120V/60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

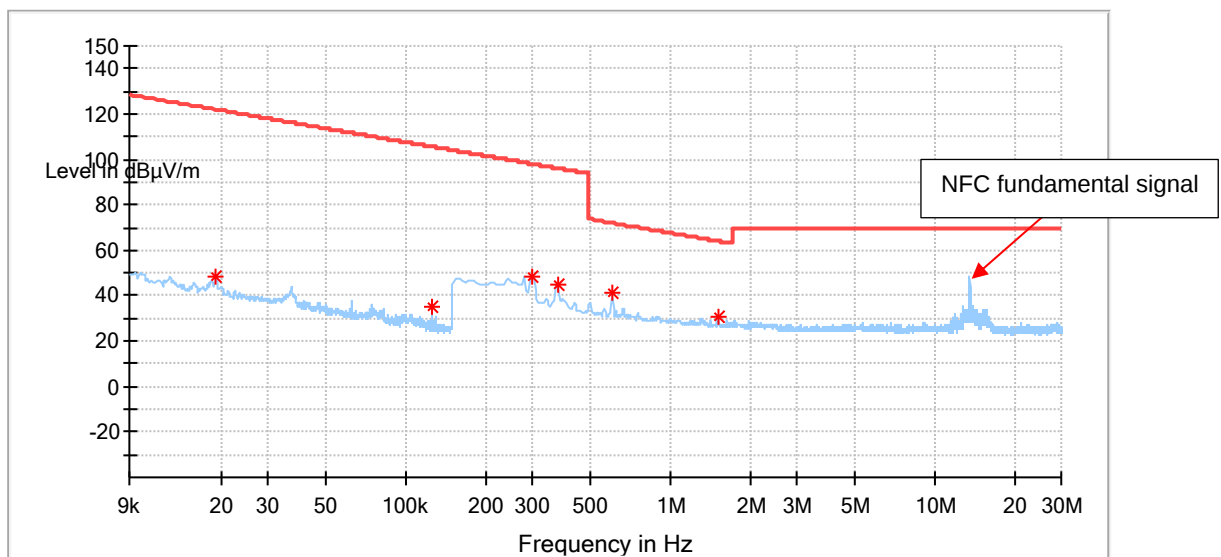
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.023704	48.93	120.09	71.16	100.0	Y	324.0	19.9
0.047473	44.21	114.06	69.85	100.0	Y	324.0	19.9
0.125124	35.93	105.65	69.72	100.0	Y	208.0	19.9
0.299250	49.04	98.08	49.04	100.0	Y	149.0	19.9
0.373875	45.10	96.15	51.05	100.0	Y	282.0	19.9
0.597750	42.59	72.08	29.48	100.0	Y	33.0	19.9
1.506419	31.70	64.07	32.38	100.0	Y	52.0	20.0

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: 3D Printer
Model: AccuFab-F1
Test Mode: NFC
Order No/Sample No: 168512050/A003955845-001
Test Voltage:: AC120V/60Hz
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.225
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)
0.019071	48.63	121.98	73.35	100.0	Z	65.0	19.9
0.125023	34.99	105.66	70.66	100.0	Z	147.0	19.9
0.299250	48.61	98.08	49.47	100.0	Z	97.0	19.9
0.373875	45.19	96.15	50.96	100.0	Z	223.0	19.9
0.602140	41.66	72.02	30.36	100.0	Z	158.0	19.9
1.506419	31.02	64.07	33.05	100.0	Z	291.0	20.0

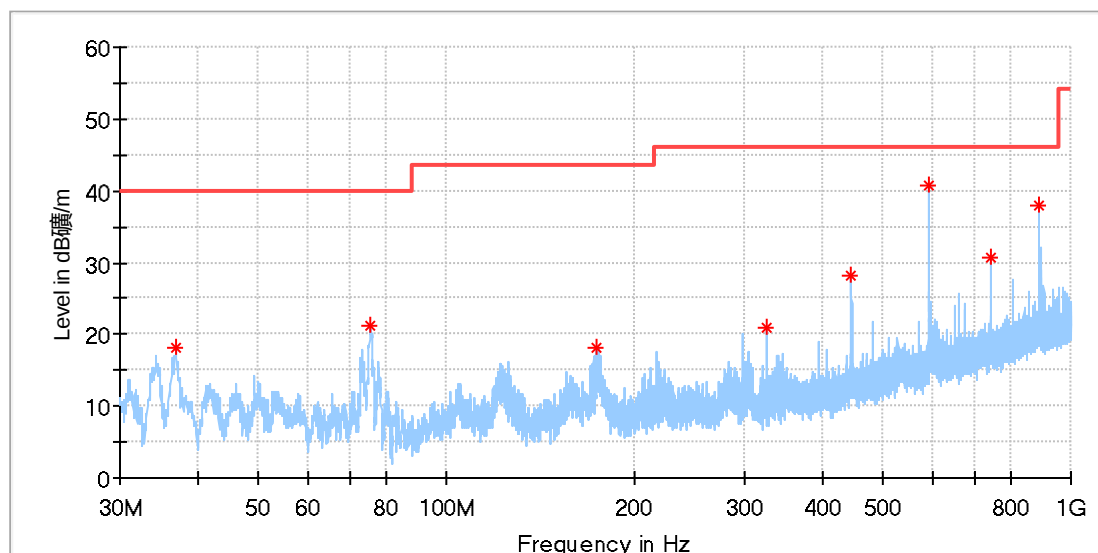
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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30MHz - 1GHz

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	NFC
Order No/Sample No:	168512050/A003955845-001
Test Voltage::	AC120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

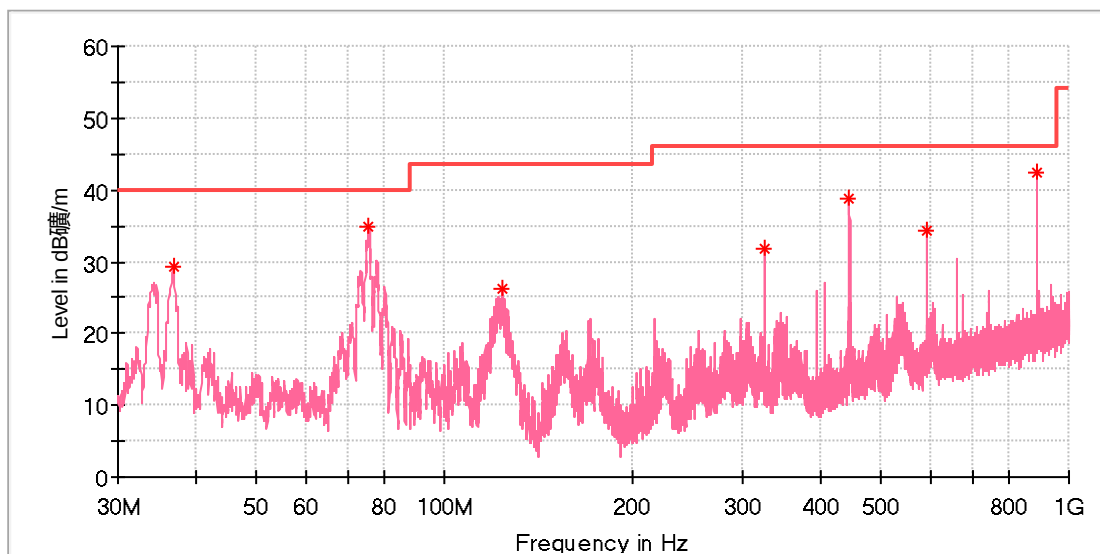
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.939231	18.15	40.00	21.85	100.0	H	103.0	-21.2
75.515385	21.25	40.00	18.75	100.0	H	129.0	-23.5
173.709231	18.01	43.50	25.49	100.0	H	234.0	-21.1
325.476923	20.92	46.00	25.08	100.0	H	172.0	-15.5
445.495769	28.11	46.00	17.89	100.0	H	146.0	-12.9
594.017692	40.77	46.00	5.23	100.0	H	154.0	-9.8
742.502308	30.79	46.00	15.21	100.0	H	189.0	-7.2
890.986923	37.96	46.00	8.04	100.0	H	119.0	-4.9

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:	3D Printer
Model:	AccuFab-F1
Test Mode:	NFC
Order No/Sample No:	168512050/A003955845-001
Test Voltage::	AC120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.225
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)
36.864615	29.31	40.00	10.69	100.0	V	93.0	-21.2
75.403462	34.81	40.00	5.19	100.0	V	244.0	-23.5
123.679615	26.18	43.50	17.32	100.0	V	13.0	-21.3
325.476923	31.95	46.00	14.05	100.0	V	224.0	-15.5
445.495769	38.85	46.00	7.15	100.0	V	132.0	-12.9
594.017692	34.19	46.00	11.81	100.0	V	0.0	-9.8
890.986923	42.36	46.00	3.64	100.0	V	358.0	-4.9

Final_Result

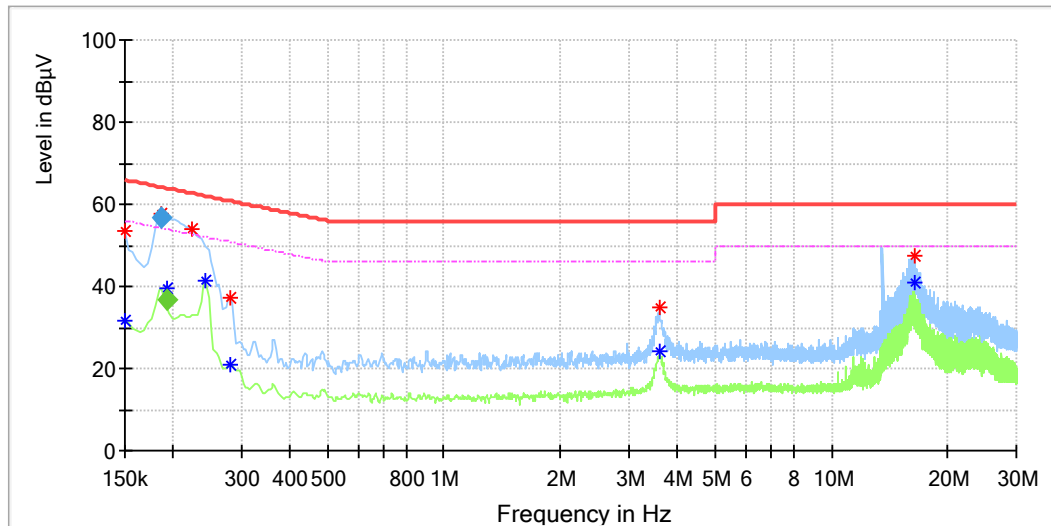
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Co-location Mode (Wi-Fi+NFC)

It verified that there were no evident emissions found for simultaneous mode in Wi-Fi (The certificated Wi-Fi module) and NFC, thus no records listed.

Appendix A.4: Test Results of Conducted Emissions on AC Mains

EUT Name: 3D Printer
Order Number: 168512050 60
Model: AccuFab-F1
Test Mode: Wi-Fi Connecting+NFC
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15C
Test By:/Review By: Dawn Shen /Shower Dai
Tem./Hum./Pressure: 24.0°C/51.4%/101kPa
Remark: SR3



Critical Freqs

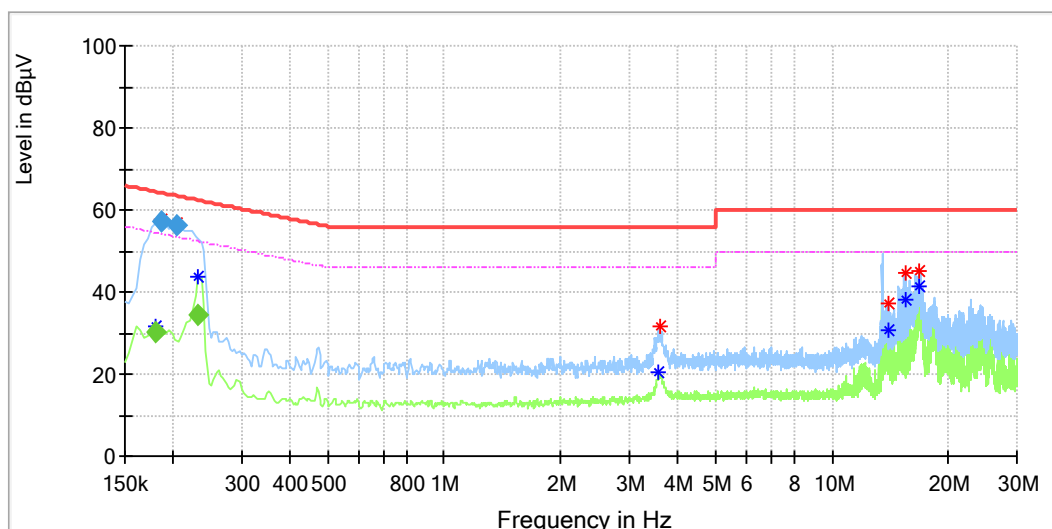
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	31.46	56.00	24.54	L1	9.8
0.150000	53.35	---	66.00	12.65	L1	9.8
0.187081	57.74	---	64.32	6.58	L1	9.8
0.191812	---	39.39	54.16	14.76	L1	9.8
0.224625	53.97	---	62.65	8.68	L1	9.8
0.243281	---	41.18	51.98	10.81	L1	9.8
0.280594	---	21.06	50.80	29.74	L1	9.8
0.280594	37.39	---	60.80	23.41	L1	9.8
3.593944	---	24.25	46.00	21.75	L1	10.1
3.597675	34.96	---	56.00	21.04	L1	10.1
16.377206	---	40.72	50.00	9.28	L1	10.2
16.377206	47.28	---	60.00	12.72	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.187081	56.54	---	64.17	7.62	1000.0	9.000	L1	9.8
0.191812	---	36.83	53.96	17.13	1000.0	9.000	L1	9.8

EUT Information

EUT Name: 3D Printer
Order Number: 168512050 60
Model: AccuFab-F1
Test Mode: Wi-Fi Connecting+NFC
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15C
Test By./Review By: Dawn Shen /Shower Dai
Tem./Hum./Pressure: 24.0°C/51.4%/101kPa
Remark: SR3



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.186000	57.71	---	64.32	6.61	N	9.7
0.203625	56.70	---	62.65	5.95	N	9.7
0.179000	---	31.55	55.40	23.86	N	9.7
0.232000	---	43.88	52.38	8.50	N	9.7
3.579019	---	20.25	46.00	25.75	N	9.8
3.593944	31.41	---	56.00	24.59	N	9.8
13.955625	---	30.78	50.00	19.22	N	9.9
13.955625	37.18	---	60.00	22.82	N	9.9
15.455588	---	38.33	50.00	11.67	N	9.9
15.455588	44.62	---	60.00	15.38	N	9.9
16.761525	45.15	---	60.00	14.85	N	10.0
16.761525	---	41.40	50.00	8.60	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.186000	57.30	---	64.21	6.91	1000.0	9.000	N	9.7
0.203625	56.28	---	63.46	7.18	1000.0	9.000	N	9.7
0.179000	---	30.05	53.36	23.31	1000.0	9.000	N	9.7
0.232000	---	34.25	53.32	19.07	1000.0	9.000	N	9.7