

FCC PART 15.225

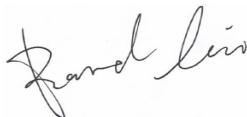
TEST REPORT

For

Feitian Technologies Co., Ltd.

Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China

FCC ID: ZD3FTF55

Report Type: Original Report	Product Name: Android POS Terminal
Report Number: <u>RKSA260330001-00C</u>	
Report Date: <u>2026-06-05</u>	
Reviewed By:	<u>Bard Liu</u> 
Approved By:	<u>Kyle Xu</u> 
Test Laboratory: Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn	

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
OBJECTIVE	6
TEST METHODOLOGY	6
MEASUREMENT UNCERTAINTY	7
TEST FACILITY	7
SYSTEM TEST CONFIGURATION.....	8
JUSTIFICATION	8
EUT EXERCISE SOFTWARE	8
EQUIPMENT MODIFICATIONS	8
SUPPORT EQUIPMENT LIST AND DETAILS	8
EXTERNAL I/O CABLE.....	8
BLOCK DIAGRAM OF TEST SETUP	9
SUMMARY OF TEST RESULTS.....	10
TEST EQUIPMENT LIST	11
FCC§1.1310 & §2.1093 - RF EXPOSURE	12
APPLICABLE STANDARD	12
MEASUREMENT RESULT:	12
FCC§15.203 - ANTENNA REQUIREMENT.....	13
APPLICABLE STANDARD	13
ANTENNA CONNECTED CONSTRUCTION	13
FCC §15.207 (A) – AC LINE CONDUCTED EMISSIONS	14
APPLICABLE STANDARD	14
TEST SYSTEM SETUP.....	14
EMI TEST RECEIVER SETUP.....	14
TEST PROCEDURE	14
TEST RESULTS SUMMARY	15
TEST DATA: SEE APPENDIX	15
FCC§15.225, §15.205 & §15.209 - RADIATED EMISSIONS TEST	16
APPLICABLE STANDARD	16
TEST SYSTEM SETUP.....	16
EMI TEST RECEIVER SETUP.....	18
TEST RESULTS SUMMARY	18
TEST DATA: SEE APPENDIX	18
FCC§15.225(E) - FREQUENCY STABILITY.....	19
APPLICABLE STANDARD	19
TEST PROCEDURE	19
TEST DATA: SEE APPENDIX	20
§15.215(C) - 20DB EMISSION BANDWIDTH TESTING.....	21
REQUIREMENT	21
TEST PROCEDURE	21
TEST DATA: SEE APPENDIX	21
APPENDIX D - TEST DATA	22
AC LINE CONDUCTED EMISSIONS	22
RADIATED EMISSIONS TEST	25
FREQUENCY STABILITY	35

20dB EMISSION BANDWIDTH TESTING.....	36
EUT PHOTOGRAPHS.....	37
TEST SETUP PHOTOGRAPHS.....	38

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260330001-00C	R1V1	2026-06-05	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Feitian Technologies Co., Ltd.
Tested Model:	F55
Product Name:	Android POS Terminal
Power Supply:	DC 5V from Adapter or DC 3.7V from battery
RF Function:	NFC
Operating Band/Frequency:	13.56 MHz
Antenna Type:	Coil Antenna

Note: After testing with a representative tag and without the tags for all measurement, the with a representative tag is the worst in this report.

Adapter Information:

Model: TEKA-UCA10US

Input: AC 100-240V, 50/60Hz, 0.2A MAX

Output: DC 5.0V, 1.0A

2. The EUT has two configurations, per FCC part 15B report, we tested the DuoPOS which is worst, the difference between two configurations as below:

Configurations	DuoPOS	SoftPOS
Model:F55		
HW ID	F55_05_S11_00	F55_05_G12_00
Speaker	8Ω1W	8 Ω 3W
Display	3.2 Inch LCD, 1.7 Inch LCD	3.2 Inch LCD
Camera	Yes	Yes
Status indicator	LCD indicator	LCD indicator
Key	Power/ 1/2/3/4/5/6/7/8/9/0/≡ /↑/↓/×/←/→	Power
IC Card Reader	Yes	No

All measurement and test data in this report was gathered from production sample serial number: RKSA260330001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-03-30.)

Objective

This Type approval report is prepared for *Feitian Technologies Co., Ltd.* in accordance with Part 2-Subpart J, and Part 15-Subparts A and C of the Federal Communication Commission's rules.

The objective is to determine the Compliance of the EUT with FCC rules, sec 15.203, 15.205, 15.207, 15.209, 15.215 and 15.225.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
Radiated emission	9kHz~30MHz	3.19dB
	30MHz~1GHz	6.11dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

EUT Exercise Software

The EUT is tested in the engineering mode.

Equipment Modifications

No modification on the EUT.

Support Equipment List and Details

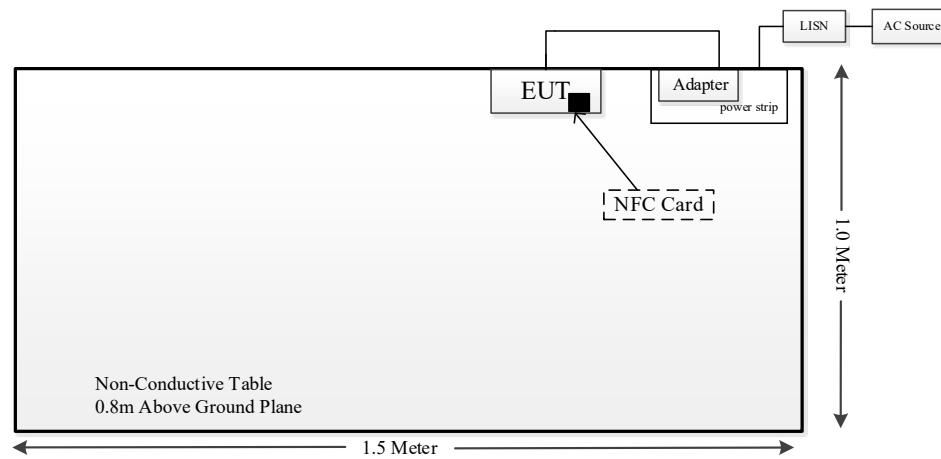
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
SHENZHEN TEKA TECHNOLOGY CO.,LTD.	Adapter	TEKA-UCA10US	/
/	Power strip	/	/
/	NFC card	/	/

External I/O Cable

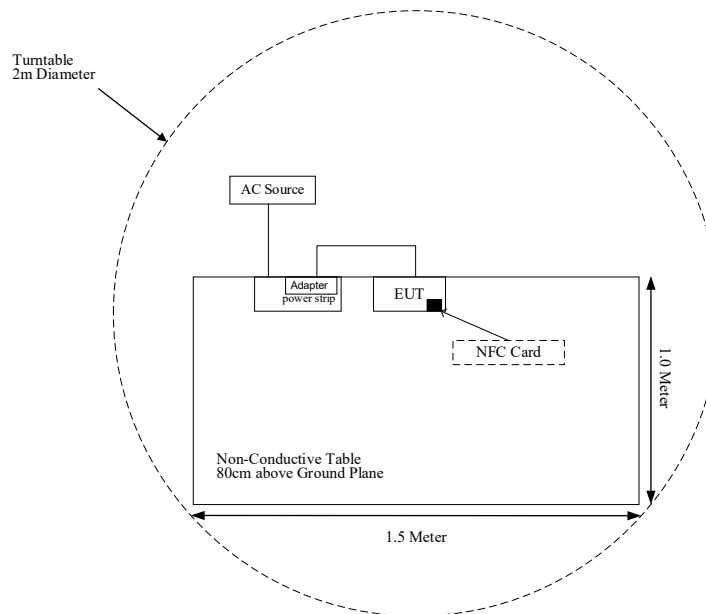
Cable Description	Length (m)	From Port	To Port
Power Cable	1.0	AC Source/LISN	Adapter
USB Cable 1	0.5	Adapter	EUT

Block Diagram of Test Setup

For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1310 & §2.1093	RF Exposure	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.225 §15.209 §15.205	Radiated Emission Test	Compliant
§15.225(e)	Frequency Stability	Compliant
§15.215(c)	20dB Emission Bandwidth Testing	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test & 20dB EMISSION BANDWIDTH					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2026-03-13	2027-03-12
Sunol Sciences	Broadband Antenna	JB3	A090314-2	2024-10-29	2027-10-28
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
Narda	6dB Attenuator	773-6	10690812-2-1	2024-10-29	2027-10-28
Sonoma Instrument	Pre-amplifier	310N	171205	2026-03-13	2027-03-12
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Frequency Stability					
BACL	Temperature & Humidity Chamber	BTH-150	30023	2026-03-16	2027-03-15
EAST	Regulated DC Power Supply	MCH-303D-II	14070562	N/A	N/A
FLUKE	Multimeter	12E+	64150133WS	2026-03-13	2027-03-12
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2026-03-13	2027-03-12
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	101746	2026-03-13	2027-03-12
Rohde & Schwarz	LISN	ENV216	101115	2026-03-12	2027-03-11
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2026-04-08	2027-04-07
MICRO-COAX	Coaxial Cable	Cable-15	015	2026-03-13	2027-03-12

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§1.1310 & §2.1093 - RF EXPOSURE

Applicable Standard

According to KDB447498 D01 General RF Exposure Guidance v06: 4.3. General SAR test exclusion Guidance

c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):

- 1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by $[1 + \log(100/f(\text{MHz}))]$
- 2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$
- 3) SAR measurement procedures are not established below 100 MHz.

Measurement Result:

For NFC, the power of EUT: E-Field@3m is 63.91 dBuV/m = -31.29 dBm (0.000743mW)

Note: EIRP[dBm] = E[dBuV/m] - 95.2 for d = 3 m.

SAR test exclusion threshold for NFC (13.56MHz) separation distance < 50 mm

$$= [474 * (1 + \log(100/f(\text{MHz}))) / 2]$$

$$= 443 \text{ mW}$$

$$> 0.000743 \text{ mW}$$

Result: Compliant.

FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Antenna Connected Construction

The EUT has a Coil antenna for 13.56 MHz, the antenna was permanently attached, fulfill the requirement of this section, please refer to the EUT photos.

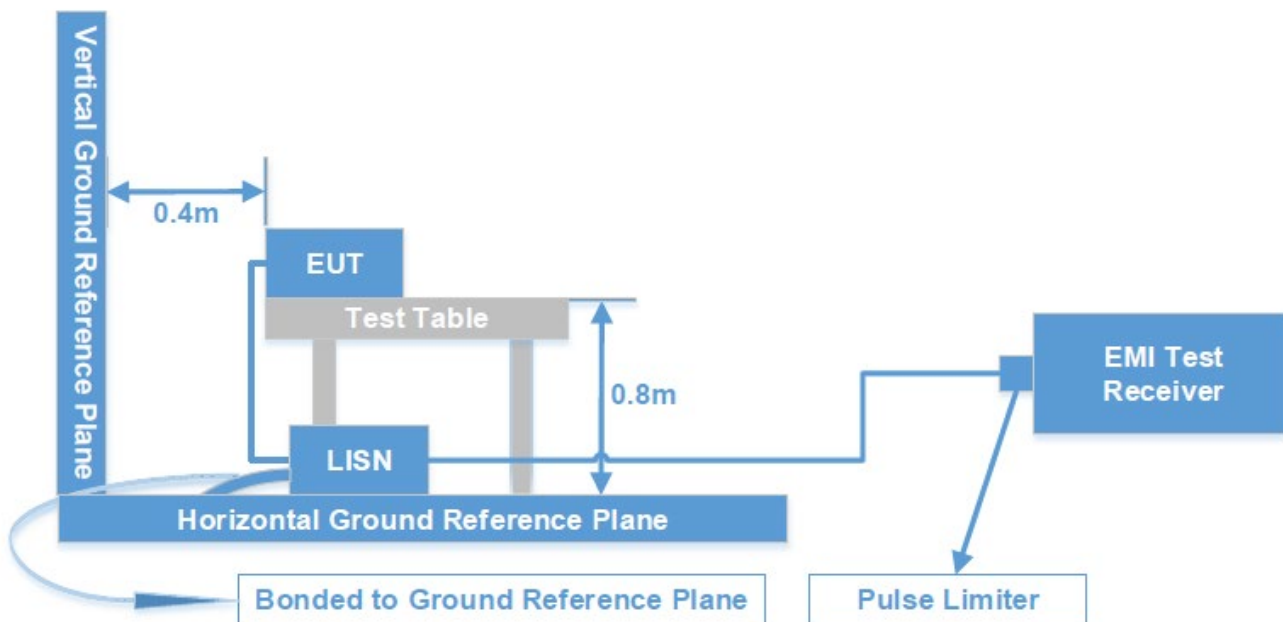
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207(a)

Test System Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW
150 kHz - 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)}$$

$$\text{Level (dB}\mu\text{V)} = \text{Read level (dB}\mu\text{V)} + \text{Factor (dB)}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

$$\text{Over Limit (dB)} = \text{Level (dB}\mu\text{V)} - \text{Limit (dB}\mu\text{V)}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data: See Appendix

FCC§15.225, §15.205 & §15.209 - RADIATED EMISSIONS TEST

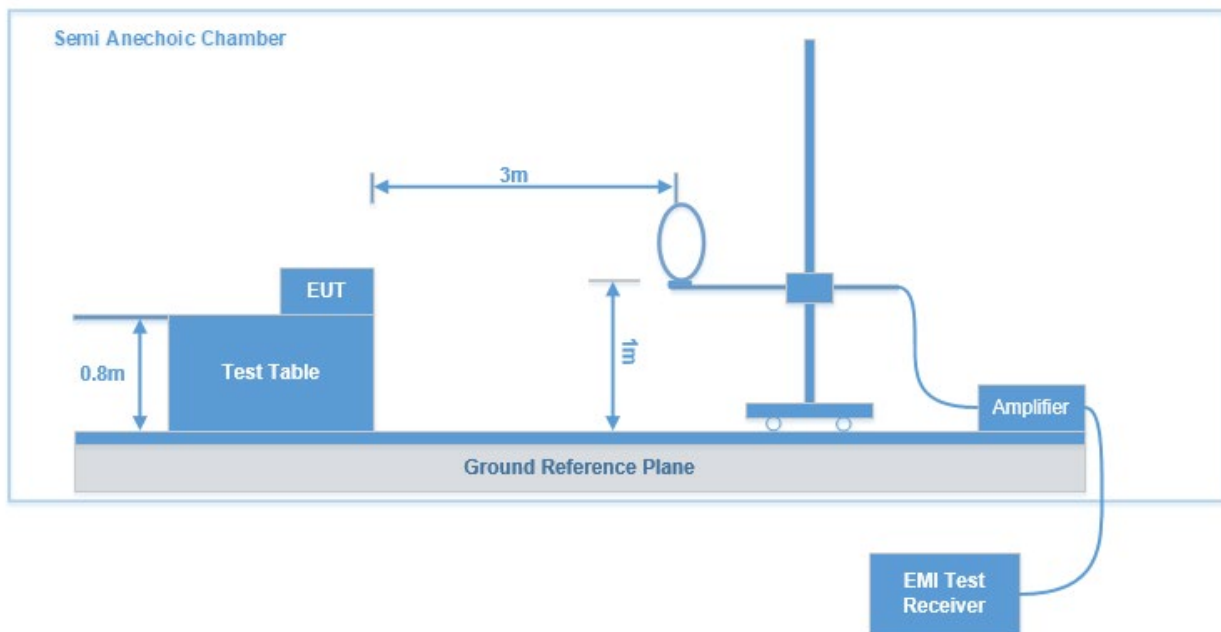
Applicable Standard

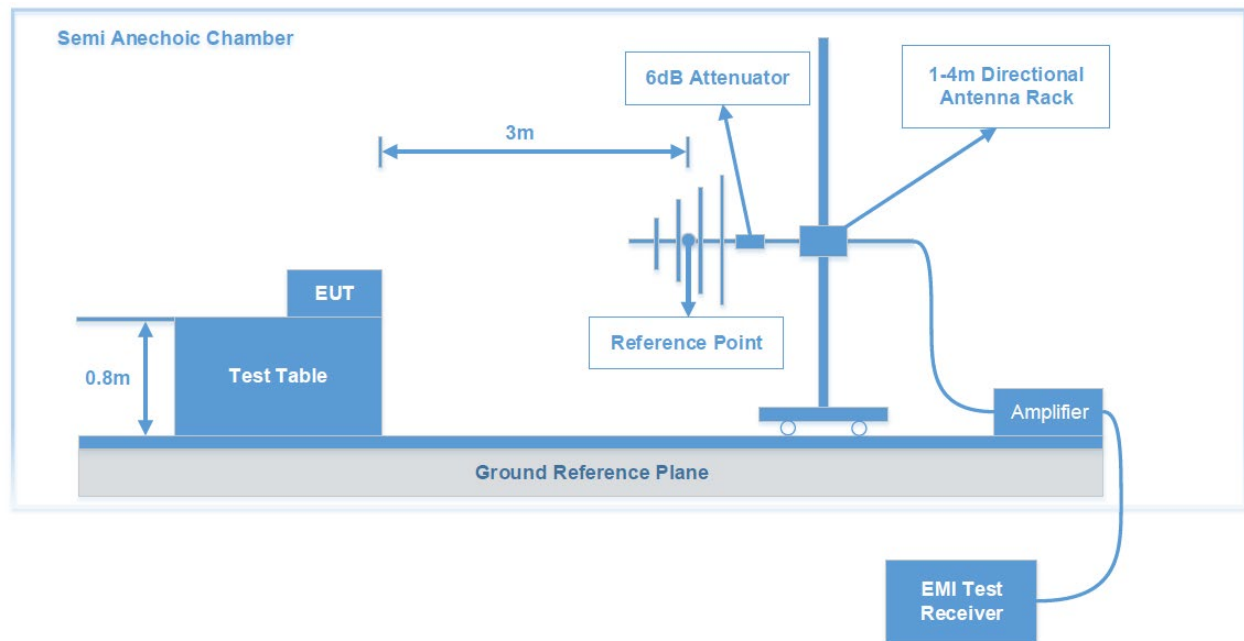
As per FCC Part 15.225

- (a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

Test System Setup

9k - 30MHz:



30 MHz - 1 GHz:

The radiated emission tests were performed in the 3-meter chamber a test site, using the setup accordance with the ANSI C63.10. The specification used was the FCC Part Subpart C limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

According to FCC Rules, 47 CFR 15.33, the EUT emissions were investigated up to 1000 MHz.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Measurement	Detector
9 kHz - 150 kHz	200 Hz	1 kHz	200 Hz	Peak/QP/Average	Peak/QP/Average
150 kHz - 30 MHz	9 kHz	30 kHz	9 kHz	Peak/QP/Average	Peak/QP/Average
30 MHz - 1000 MHz	100 kHz	300 kHz	/	Peak	Peak
	/	/	120 kHz	QP	QP

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209, 15.205, 15.225.

Test Data: See Appendix

FCC§15.225(e) - FREQUENCY STABILITY

Applicable Standard

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

Test Procedure

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.

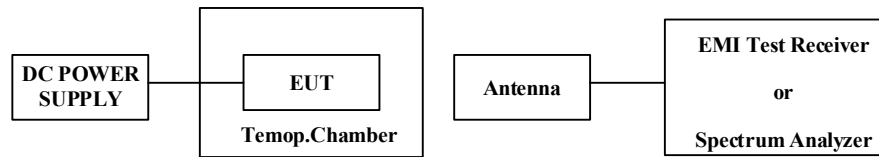
f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

g) Measure the frequency at each of frequencies specified in 5.6.

h) Switch OFF the EUT but do not switch OFF the oscillator heater.

i) Lower the chamber temperature by not more than 10°C , and allow the temperature inside the chamber to stabilize.

j) Repeat step f) through step i) down to the lowest specified temperature.



Test Data: See Appendix

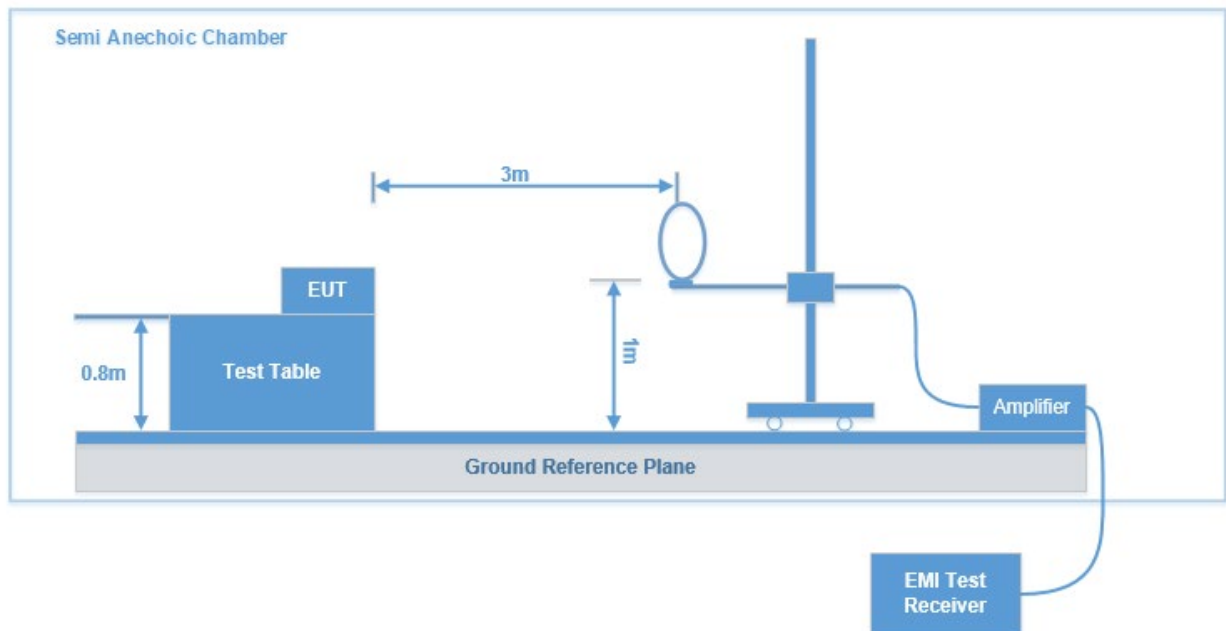
§15.215(c) - 20dB EMISSION BANDWIDTH TESTING

Requirement

Per 15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

Test Procedure

1. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.



Test Data: See Appendix

APPENDIX D - TEST DATA

AC LINE CONDUCTED EMISSIONS

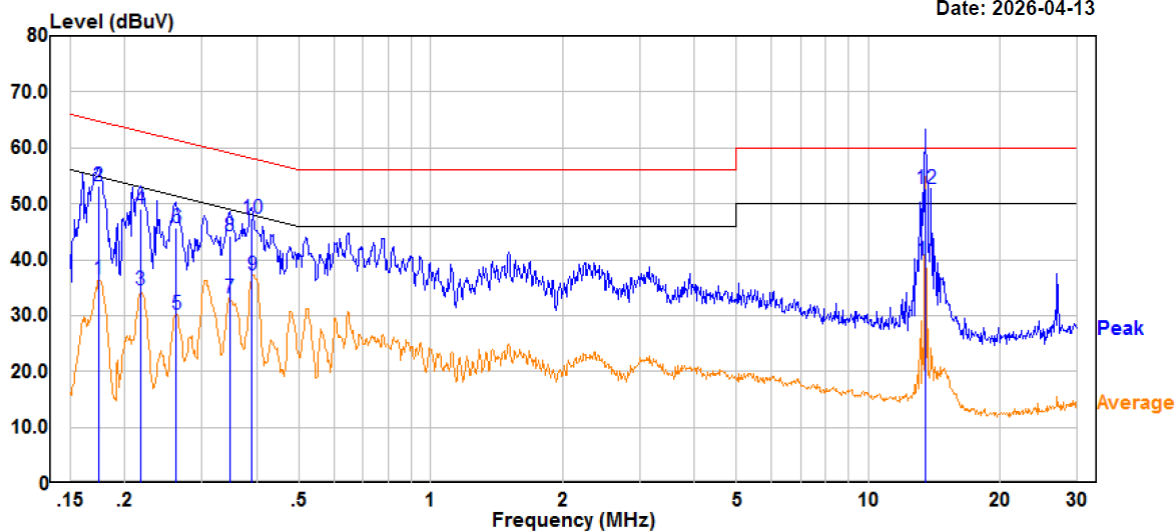
Environmental Conditions & Test Information

Test Date:	2026-04-13
Temperature:	19.3 °C
Relative Humidity:	69 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Aiden Feng

EUT operation mode: Transmitting

AC 120V/60 Hz, Line

Date: 2026-04-13



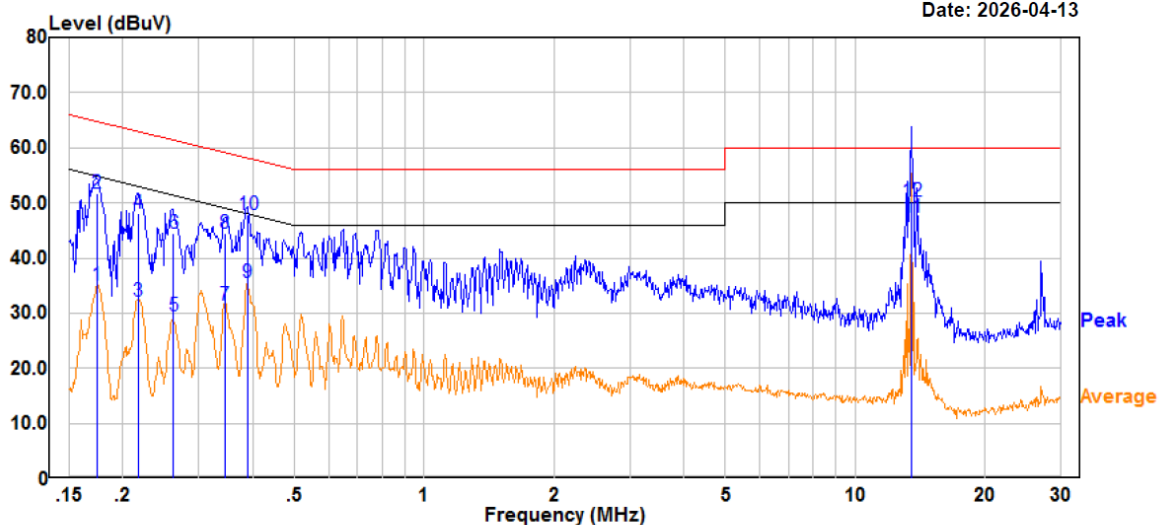
Trace: 1

Site : CE
Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Line
: DET:Peak
Project No. : RKSA260330001
Model : F55
Phase : L
Voltage : 120V/60Hz
Mode : NFC
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 19.3°C
Humidity : 69%
Atmospheric pressure: 101.6kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.174	16.10	20.45	36.55	54.76	-18.21	Average
2	0.174	32.70	20.45	53.15	64.76	-11.61	QP
3	0.217	14.20	20.46	34.66	52.94	-18.28	Average
4	0.217	28.50	20.46	48.96	62.94	-13.98	QP
5	0.262	9.70	20.41	30.11	51.36	-21.25	Average
6	0.262	25.20	20.41	45.61	61.36	-15.75	QP
7	0.347	12.70	20.34	33.04	49.05	-16.01	Average
8	0.347	23.80	20.34	44.14	59.05	-14.91	QP
9	0.391	16.90	20.31	37.21	48.05	-10.84	Average
10	0.391	27.10	20.31	47.41	58.05	-10.64	QP
11	13.514	19.60	20.24	39.84	50.00	-10.16	Average
12	13.514	32.50	20.24	52.74	60.00	-7.26	QP

AC 120V/60 Hz, Neutral

Date: 2026-04-13



Site : CE
Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
: DET:Peak
Project No. : RKSA260330001
Model : F55
Phase : N
Voltage : 120V/60Hz
Mode : NFC
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 19.3°C
Humidity : 69%
Atmospheric pressure: 101.6kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.174	14.61	20.41	35.02	54.76	-19.74	Average
2	0.174	31.21	20.41	51.62	64.76	-13.14	QP
3	0.217	11.80	20.42	32.22	52.94	-20.72	Average
4	0.217	27.70	20.42	48.12	62.94	-14.82	QP
5	0.262	9.00	20.38	29.38	51.36	-21.98	Average
6	0.262	24.20	20.38	44.58	61.36	-16.78	QP
7	0.345	11.20	20.34	31.54	49.09	-17.55	Average
8	0.345	24.20	20.34	44.54	59.09	-14.55	QP
9	0.389	15.10	20.32	35.42	48.09	-12.67	Average
10	0.389	27.60	20.32	47.92	58.09	-10.17	QP
11	13.514	27.20	20.25	47.45	50.00	-2.55	Average
12	13.514	30.10	20.25	50.35	60.00	-9.65	QP

RADIATED EMISSIONS TEST

Environmental Conditions & Test Information

Test Date:	2026-04-08
Temperature:	19.0 °C
Relative Humidity:	48 %
ATM Pressure:	102.0 kPa
Test Engineer:	Scarf Yang

Test mode: Transmitting

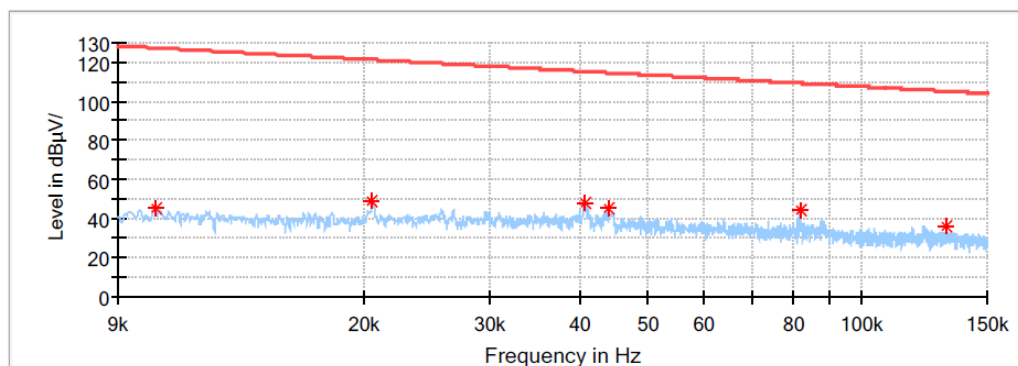
After pre-scan in the X, Y and Z axes of orientation, the worst case is Y axes as below:

For Ground-parallel

1) 9 kHz~150 kHz:

Common Information

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in NFC mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.225
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW: 200 Hz, VBW: 1 kHz, Sweep Time: Auto
Temperature:	19.0 °C
Humidity:	48%
Barometric Pressure:	102.0 kPa
Test Engineer:	Scarf Yang
Check by:	Bard liu
Test Date:	2026/4/8



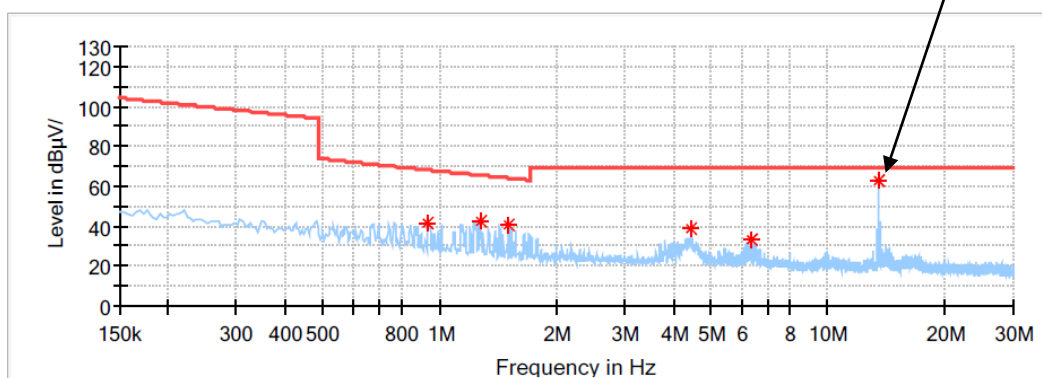
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.010163	45.21	127.44	82.23	Ground-parallel	-0.2
0.020474	48.56	121.37	72.82	Ground-parallel	-0.1
0.040866	48.33	115.37	67.05	Ground-parallel	-1.8
0.043915	45.04	114.75	69.70	Ground-parallel	-2.3
0.081721	44.05	109.35	65.30	Ground-parallel	-6.9
0.131141	36.11	105.25	69.14	Ground-parallel	-9.8

2) 150 kHz~30 MHz:

Common Information

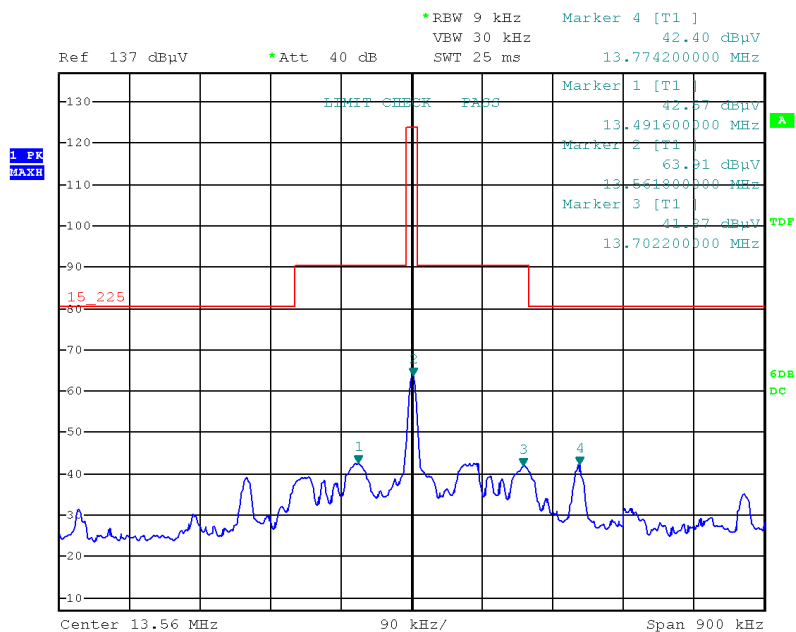
Project No: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in NFC mode
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.225
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 KHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 19.0 °C
Humidity: 48%
Barometric Pressure: 102.0 kPa
Test Engineer: Scarf Yang
Test Date: 2026/4/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB)
0.933562	41.87	67.99	26.12	V	-26.5
1.276838	42.81	65.33	22.52	V	-28.0
1.504444	40.15	63.98	23.83	V	-28.8
4.437206	38.31	69.54	31.23	V	-31.3
6.332681	33.24	69.54	36.30	V	-31.6

3) 13.11 MHz~14.01 MHz:



Project No. RKSA260330001

Tester: Scarf Yang

Date: 8.APR.2026 09:58:52

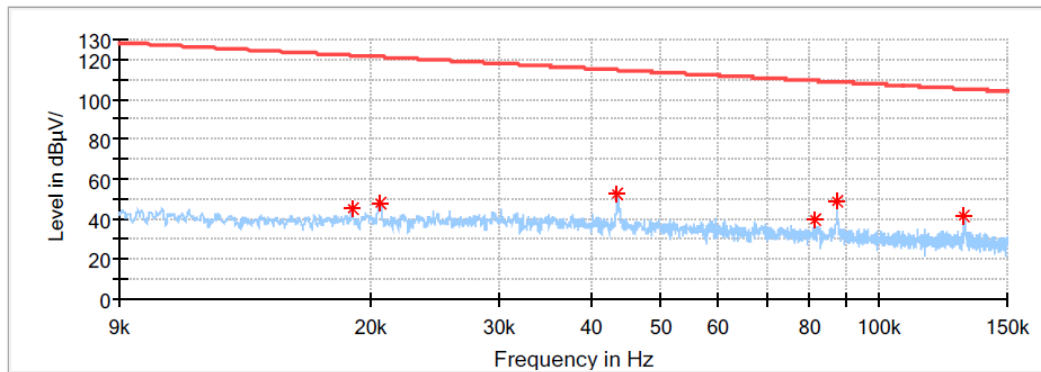
Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
13.49	42.57	PK	-32.20	90.50	47.93
13.56	63.91	PK	-32.20	124.00	60.09
13.70	41.87	PK	-32.20	90.50	48.63
13.77	42.40	PK	-32.20	80.50	38.10

For Parallel

1) 9 kHz~150 kHz:

Common Information

Project No: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in NFC mode
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.225
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature: 19.0°C
Humidity: 48%
Barometric Pressure: 102.0kPa
Test Engineer: Scarf Yang
Check by: Bard liu
Test Date: 2026/4/8



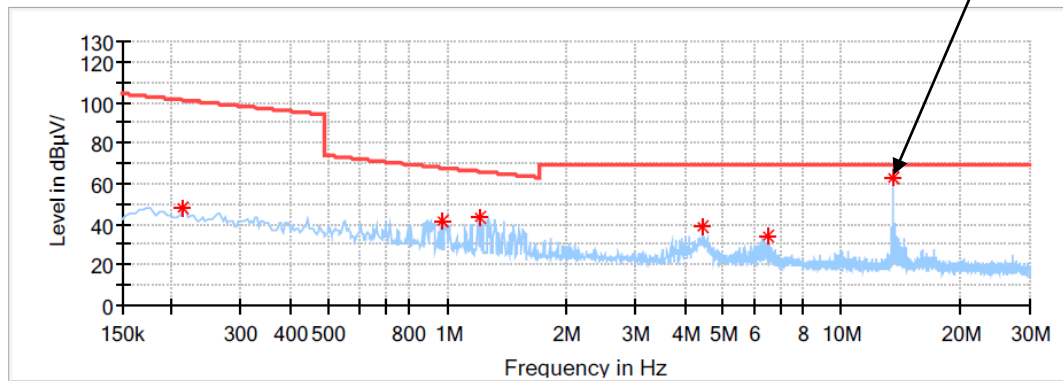
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.018782	45.03	122.13	77.10	Parallel	-0.1
0.020509	48.31	121.36	73.05	Parallel	-0.1
0.043563	52.45	114.82	62.36	Parallel	-2.2
0.081386	39.34	109.39	70.05	Parallel	-6.9
0.087308	49.08	108.78	59.70	Parallel	-7.4
0.130806	41.53	105.28	63.74	Parallel	-9.8

2) 150 kHz~30 MHz:

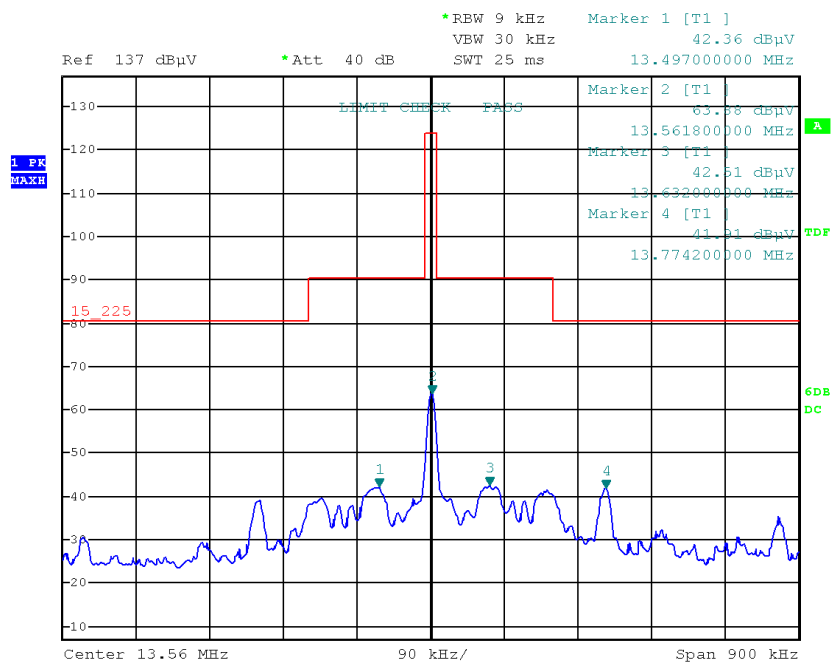
Common Information

Project No: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in NFC mode
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.225
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 KHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 19.0 °C
Humidity: 48%
Barometric Pressure: 102.0 kPa
Test Engineer: Scarf Yang
Test Date: 2026/4/8

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB)
0.213431	47.55	100.90	53.36	V	-13.4
0.967144	41.13	67.68	26.55	V	-26.8
1.209675	43.49	65.78	22.29	V	-27.8
4.433475	38.76	69.54	30.78	V	-31.3
6.519244	33.75	69.54	35.79	V	-31.7

3) 13.11 MHz~14.01 MHz:



Project No. RKSA260330001

Tester: Scarf Yang

Date: 8.APR.2026 10:05:00

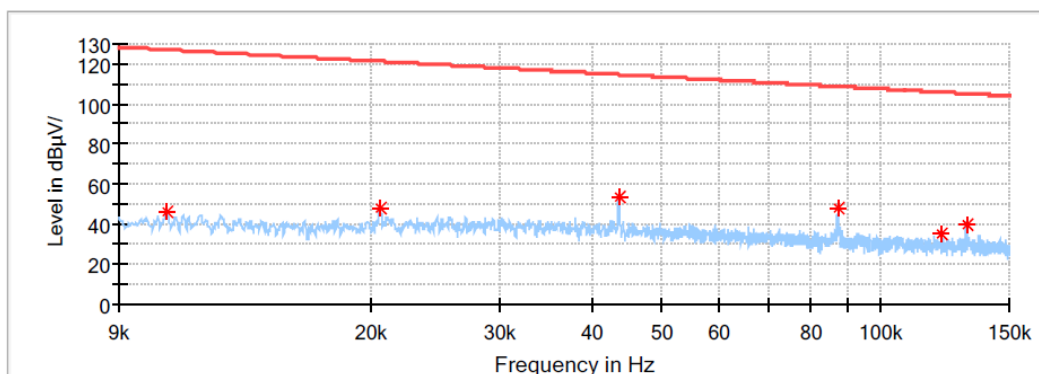
Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
13.50	42.36	PK	-32.20	90.50	48.14
13.56	63.88	PK	-32.20	124.00	60.12
13.63	42.51	PK	-32.20	90.50	47.99
13.77	41.91	PK	-33.10	80.50	38.59

For Perpendicular

1) 9 kHz~150 kHz:

Common Information

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in NFC mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.225
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW: 200 Hz, VBW: 1 kHz, Sweep Time: Auto
Temperature:	19.0°C
Humidity:	48%
Barometric Pressure:	102.0 kPa
Test Engineer:	Scar Yang
Check by:	Bard liu
Test Date:	2026/4/8



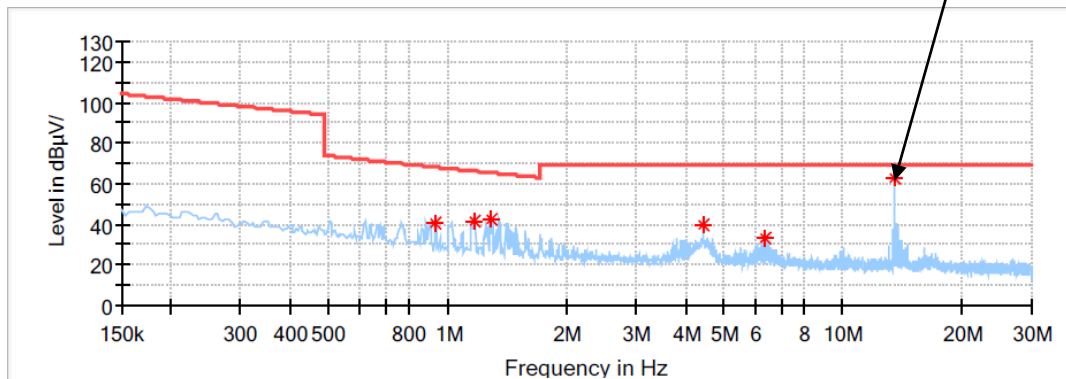
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.010463	45.80	127.18	81.39	Perpendicular	-0.2
0.020509	48.26	121.36	73.10	Perpendicular	-0.1
0.043616	53.54	114.81	61.27	Perpendicular	-2.2
0.087220	47.74	108.79	61.05	Perpendicular	-7.4
0.121183	34.90	105.93	71.03	Perpendicular	-9.4
0.131282	40.01	105.24	65.23	Perpendicular	-9.8

2) 150 kHz~30 MHz:

Common Information

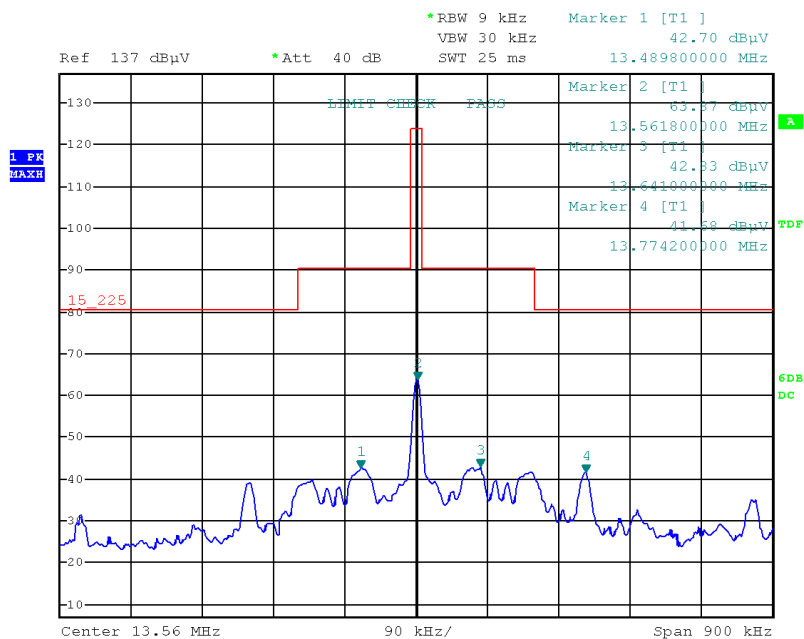
Project No: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in NFC mode
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.225
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 KHz, VBW: 30 KHz, Sweep Time: Auto
Temperature: 19.0 °C
Humidity: 48%
Barometric Pressure: 102.0 kPa
Test Engineer: Scarf Yang
Test Date: 2026/4/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB)
0.929831	41.02	68.02	27.01	V	-26.5
1.172362	41.92	66.04	24.12	V	-27.7
1.295494	42.86	65.21	22.35	V	-28.1
4.433475	39.42	69.54	30.12	V	-31.3
6.328950	33.58	69.54	35.96	V	-31.6

3) 13.11 MHz~14.01 MHz:



Project No.RKSA260330001

Tester:Scarf Yang

Date: 8.APR.2026 10:10:14

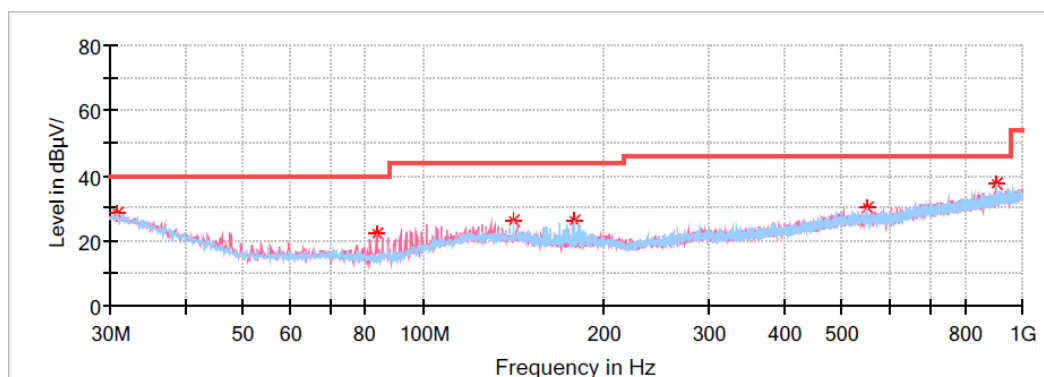
Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
13.49	42.70	PK	-32.20	90.50	47.80
13.56	63.87	PK	-32.20	124.00	60.13
13.64	42.83	PK	-32.20	90.50	47.67
13.77	41.68	PK	-33.10	80.50	38.82

30 MHz - 1 GHz:**Environmental Conditions & Test Information**

Test Date:	2026-04-20
Temperature:	20.7 °C
Relative Humidity:	58 %
ATM Pressure:	101.7 kPa
Test Result:	Pass
Test Engineer:	Scarf Yang

Common Information

Project No: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in NFC mode
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
 Test Equipment: ESCI, JB3, 310N
 Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
 Temperature: 20.7 °C
 Humidity: 58%
 Barometric Pressure: 101.7 Pa
 Test Engineer: Scarf Yang
 Test Date: 2026/4/20

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB)
30.970000	28.34	40.00	11.66	H	-5.3
83.592500	22.04	40.00	17.96	V	-17.0
141.186250	26.33	43.50	17.17	H	-11.1
179.137500	25.99	43.50	17.51	H	-12.7
550.647500	29.94	46.00	16.06	H	-4.3
907.486250	37.18	46.00	8.82	H	1.5

FREQUENCY STABILITY**Environmental Conditions & Test Information**

Test Date:	2026-04-08
Temperature:	19.0 °C
Relative Humidity:	48 %
ATM Pressure:	102.0 kPa
Test Engineer:	Scarf Yang

*Test Mode: Transmitting.**Test Result: Compliant*

F₀=13.56MHz				
Power Supply(V_{DC})	Temperature (°C)	Measured Frequency (MHz)	Frequency Error (%)	Part 15.225 Limit
3.7	-30	13.56113	0.00833	±0.01%
	-20	13.56115	0.00848	±0.01%
	-10	13.56113	0.00833	±0.01%
	0	13.56115	0.00848	±0.01%
	10	13.56114	0.00841	±0.01%
	20	13.56115	0.00848	±0.01%
	30	13.56115	0.00848	±0.01%
	40	13.56115	0.00848	±0.01%
	50	13.56114	0.00841	±0.01%
3.33	20	13.56114	0.00841	±0.01%
4.07	20	13.56114	0.00841	±0.01%

20dB EMISSION BANDWIDTH TESTING

Environmental Conditions & Test Information

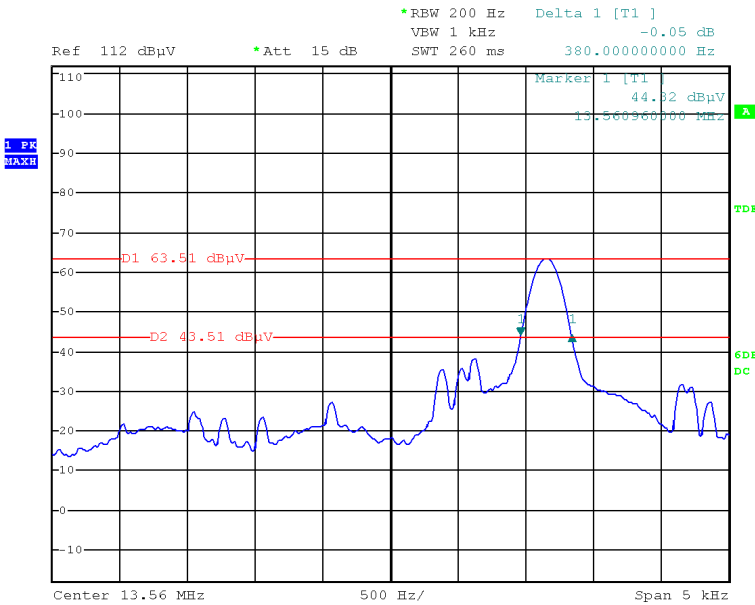
Test Date:	2026-04-08
Temperature:	19.0 °C
Relative Humidity:	48 %
ATM Pressure:	102.0 kPa
Test Engineer:	Scarf Yang

Test Mode: Transmitting

Test Result: Compliant

Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.38

20 dB Emission Bandwidth-13.56MHz



Project No. RKSA260330001
Date: 8.APR.2026 10:15:34

Tester: Scarf Yang

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT E - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

******* END OF REPORT *******