

FCC PART 15.225

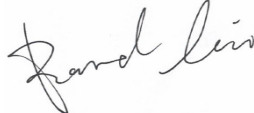
TEST REPORT

For

Shanghai Sunmi Technology Co.,Ltd.

Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

FCC ID: 2AH25T5940

Report Type: CIIPC Report	Product Name: Wireless data POS System
Report Number:	RKSA240109002-00F
Report Date:	2024-08-20
Reviewed By:	Bard Liu 
Approved By:	Kyle Xu 
Prepared By:	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

DOCUMENT HISTORY	3
FILING DESCRIPTION	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
OBJECTIVE	5
TEST METHODOLOGY	6
MEASUREMENT UNCERTAINTY.....	6
TEST FACILITY	6
SYSTEM TEST CONFIGURATION.....	7
JUSTIFICATION	7
EUT EXERCISE SOFTWARE	7
EQUIPMENT MODIFICATIONS	7
SUPPORT EQUIPMENT LIST AND DETAILS	7
EXTERNAL I/O CABLE.....	7
BLOCK DIAGRAM OF TEST SETUP	7
SUMMARY OF TEST RESULTS	9
FCC §1.1307(B) & §2.1093 - RF EXPOSURE INFORMATION.....	10
TEST EQUIPMENT LIST	11
FCC §15.207 (A) – AC LINE CONDUCTED EMISSIONS	12
APPLICABLE STANDARD	12
TEST SYSTEM SETUP.....	12
EMI TEST RECEIVER SETUP.....	12
TEST PROCEDURE	12
TEST RESULTS SUMMARY	13
TEST DATA	13
FCC§15.225, §15.205 & §15.209 - RADIATED EMISSIONS TEST	18
APPLICABLE STANDARD	18
TEST SYSTEM SETUP.....	18
EMI TEST RECEIVER SETUP.....	19
TEST RESULTS SUMMARY	20
TEST DATA	20
EUT PHOTOGRAPHS.....	31
TEST SETUP PHOTOGRAPHS	32

DOCUMENT HISTORY

Revision	Release Date	Report Number	Description of Revision
R1V1	2021-05-28	RKSA210422002-00E	Original report
R1V2	2024-08-20	RKSA240109002-00F	CIIPC Report

FILING DESCRIPTION

Report Number	Information about Changes
RKSA210422002-00E	First Release
RKSA240109002-00F	Adapter, LCD, Stepping Motor, Scan Engine, Modify part of the circuit

Note:

This is a CIIPC report application based on RKSA210422002-00E, grant date: 07/20/2021, the details as below:

For version B-B:

1. Delete an adapter: UC13US.
2. Add an LCD, its model is HS55ET16T6F, the supplier is Huashi Opto-Electronic Co., Ltd. and the specification is 5.45inch.
3. Add a stepping motor, its model is 15BY25-098, the supplier is SHENZHEN YOFON ELECTRONIC CO., LTD and the specification is 5Vdc.
4. Add a scan engine, its model is NG004, the supplier is shanghai Sunmi Technology Co.,Ltd. and the specification is 3.3Vdc.
5. Modify part of the circuit which not affect RF performance

For above differences, we retested AC LINE CONDUCTED EMISSIONS and RADIATED EMISSIONS TEST, updated relate photos, other data and photos refer to the original report RKSA210422002-00E that issued on 2021-05-28 by BACL (Kunshan).

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Shanghai Sunmi Technology Co.,Ltd.
Tested Model:	Wireless data POS System
Product Name:	T5940
Power Supply:	DC 7.7V from battery and DC 5V from adapter
RF Function:	NFC
Operating Band/Frequency:	13.56 MHz
Antenna Type:	FPC Antenna
★Maximum Antenna Gain:	0.0 dBi

Adapter Information:

Model: TPA-23A050200UU01

Input: AC100-240V 50/60Hz 0.3A

Output: 5.0V, 2000mA

Note: The maximum antenna gain was provided by the applicant.

All measurement and tested data in this report was gathered from production sample serial number: RKSA240109002-1 (Assigned by BACL (Kunshan). The EUT supplied by the applicant was received on 2024-01-09.)

Objective

This Type approval report is prepared for *Shanghai Sunmi Technology 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 and 15.225.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Lab Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
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

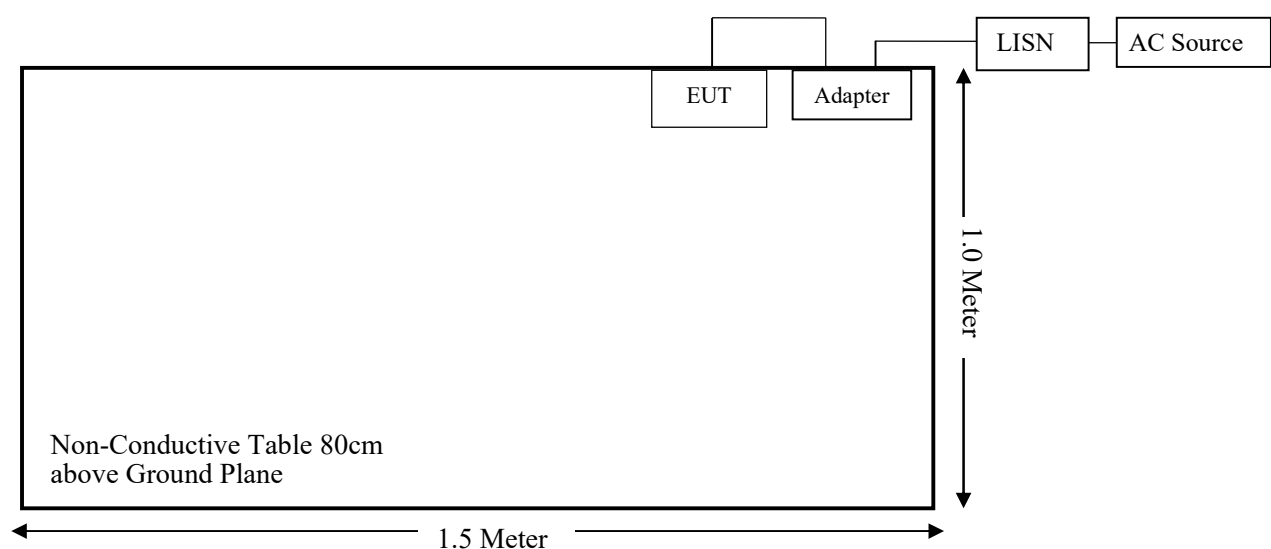
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

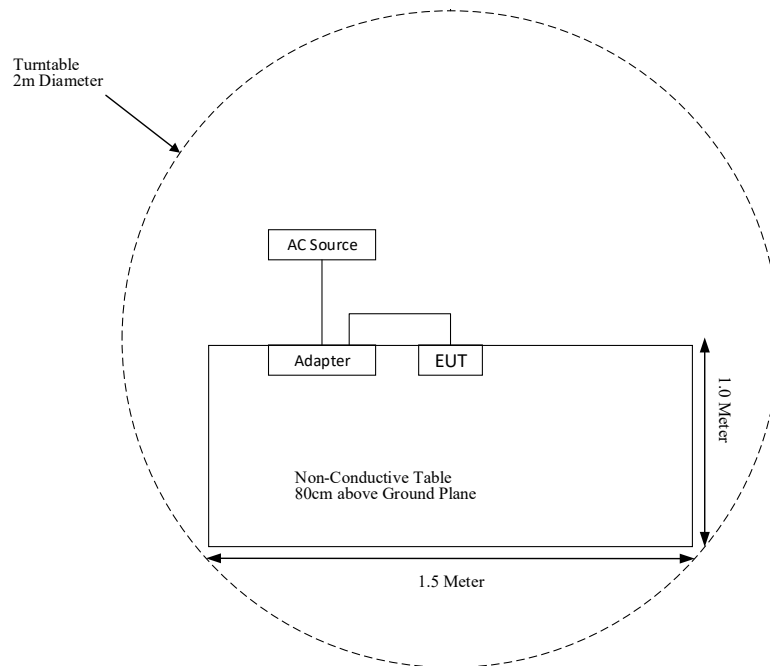
Cable Description	Length (m)	From Port	To
Power cable1	1.0	EUT	Adapter
Power cable2	1.0	Adapter	LISN/AC Source

Block Diagram of Test Setup

For Conducted Emissions:



For Radiated Emissions (Below 30 MHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§1.1307(b)(1) & §2.1093	RF Exposure Information	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*

Compliant*: The changes will not affect test data, the data refer to the original report RKSA210422002-00E that issued on 2021-05-28 by BACL (Kunshan).

FCC §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

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 76.36 dBuV/m = -18.84dBm (0.01mW)

Note: $E[\text{dB } \mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2$ for $d = 3$ m.

SAR test exclusion threshold for NFC(13.56MHz) separation distance $< 50\text{mm}$

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

$$= 443\text{mW}$$

$$> 0.01 \text{ mW}$$

Result: Compliant.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2024-04-23	2025-04-22
Sunol Sciences	Hybrid Antenna	JB3	A090314-1	2023-11-11	2024-11-10
Sonoma Instrument	Amplifier	310N	171205	2024-04-23	2025-04-22
ETS-LINDGREN	Loop Antenna	6512	108100	2023-11-09	2024-11-08
Rohde & Schwarz	Auto Test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-8	008	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2024-04-23	2025-04-22
Narda	Attenuator	771-6	10690812-2-1	2023-11-11	2024-11-10
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2023-05-23	2024-05-22
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2024-04-23	2025-04-22
Rohde & Schwarz	LISN	ENV216	101115	2023-05-23	2024-05-22
Rohde & Schwarz	LISN	ENV216	101115	2024-04-23	2025-04-22
Audix	Test Software	e3	V9	/	/
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2023-05-23	2024-05-22
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-15	015	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-15	015	2024-04-23	2025-04-22

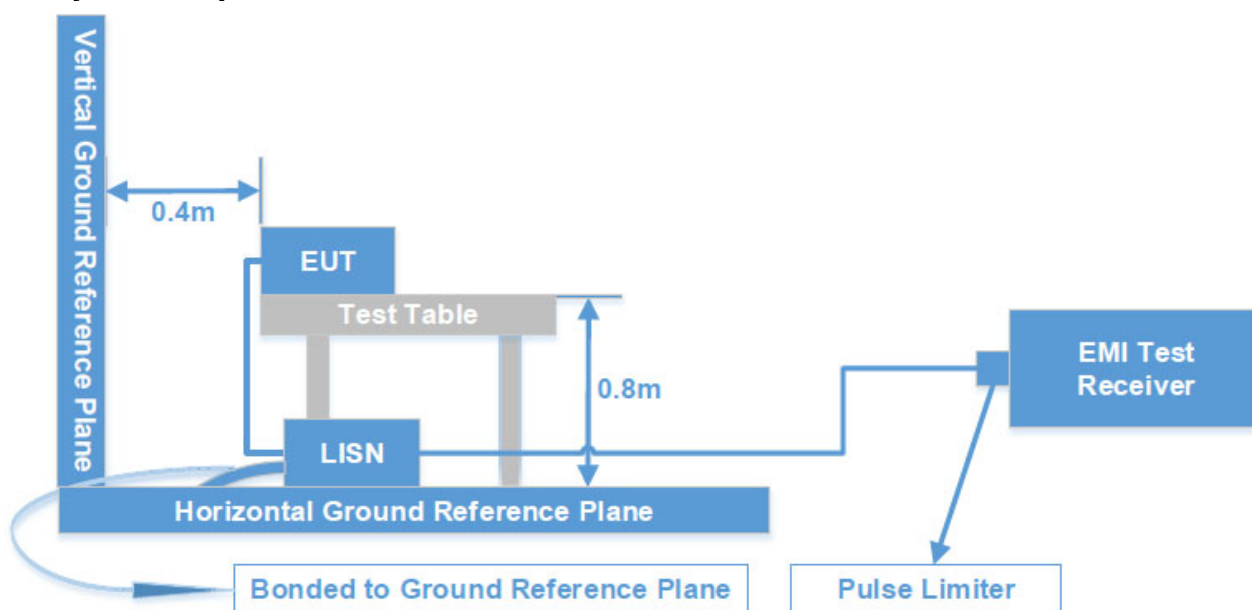
Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §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 C63.10-2013 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

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

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

Frequency Range	RBW	VBW
150 kHz - 30 MHz	9 kHz	30 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:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

Level (dBμV) = Read level (dBμV) + 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:

Over Limit (dB) = Level (dBμV) - Limit (dBμV)

Test Results Summary

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

Test Data

Environmental Conditions & Test Information

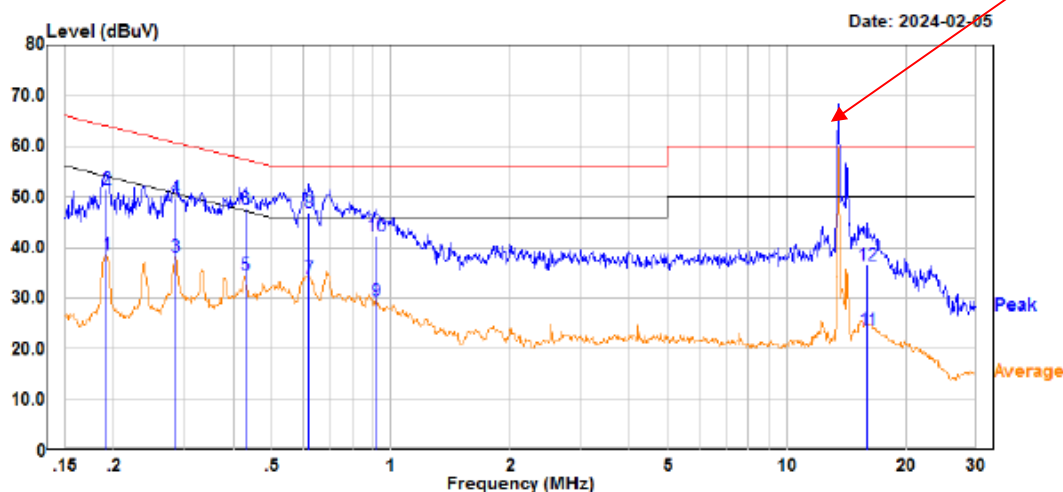
Temperature:	22.9-23.1 °C
Relative Humidity:	33-39 %
ATM Pressure:	101.9-102.1 kPa
Test Date:	2024-02-05 to 2024-05-16
Test Engineer:	Frank Liu&Aaron

EUT operation mode: Transmitting

AC 120V/60 Hz, Line

Connected with antenna

Fundamental



Trace: 1

Site : CE

Condition : limit\CE limit\FCC PART 15.207

Project No. : RKSA240109002

Phase : L

Voltage : 120V/60Hz

Mode : NFC

Test Equipment : ENV216,ESR

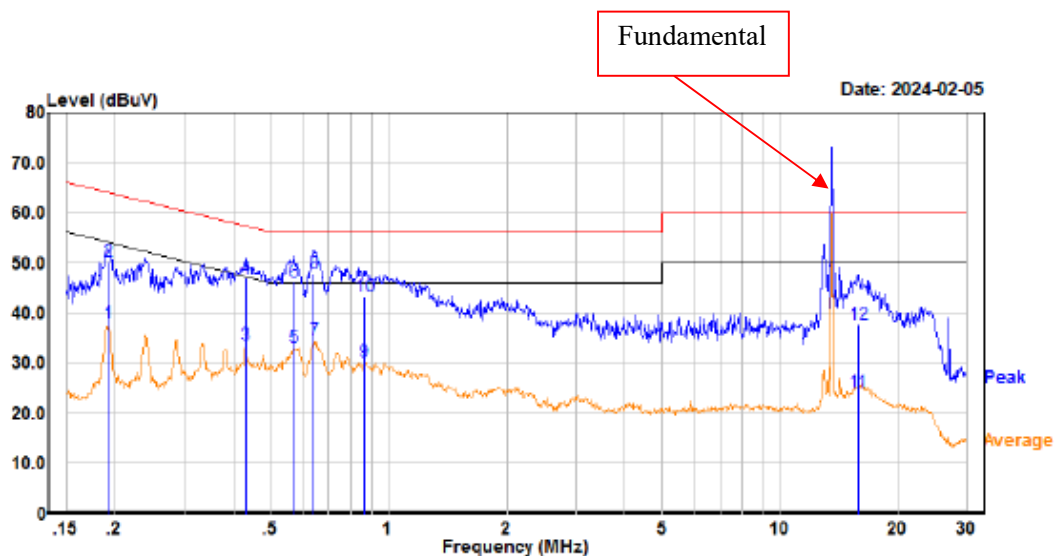
Temperature : 23.1°C

Humidity : 33%

Atmospheric pressure: 102.1kPa

Test Engineer : Aaron

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.192	18.70	19.94	38.64	53.97	-15.33	Average
2	0.192	31.60	19.94	51.54	63.97	-12.43	QP
3	0.285	18.10	20.01	38.11	50.66	-12.55	Average
4	0.285	29.90	20.01	49.91	60.66	-10.75	QP
5	0.429	14.50	20.08	34.58	47.26	-12.68	Average
6	0.429	27.60	20.08	47.68	57.26	-9.58	QP
7	0.621	13.70	20.08	33.78	46.00	-12.22	Average
8	0.621	26.70	20.08	46.78	56.00	-9.22	QP
9	0.916	9.71	19.82	29.53	46.00	-16.47	Average
10	0.916	22.41	19.82	42.23	56.00	-13.77	QP
11	15.930	3.90	19.81	23.71	50.00	-26.29	Average
12	15.930	16.70	19.81	36.51	60.00	-23.49	QP

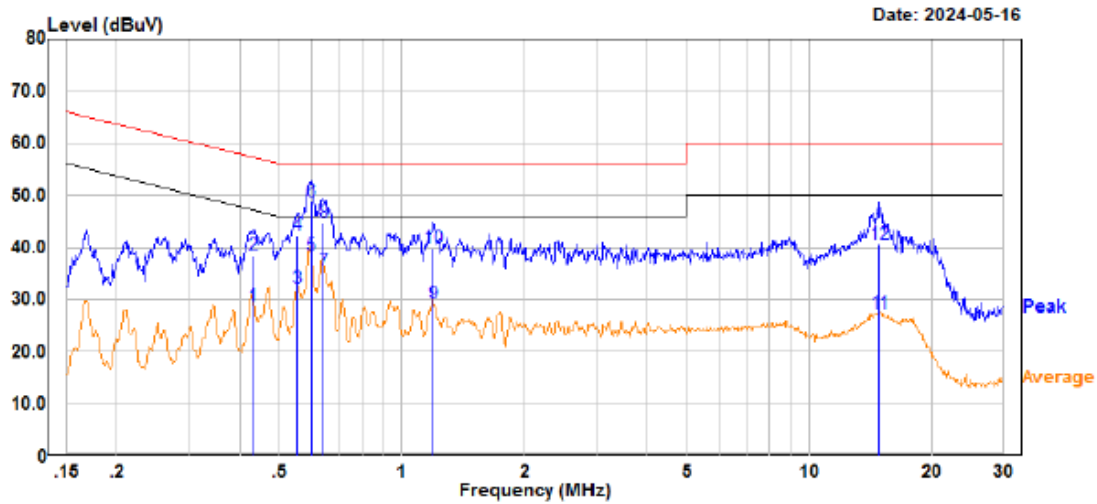


Trace: 1

Site : CE
Condition : limit\CE limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA240109002
Phase : N
Voltage : 120V/60Hz
Mode : NFC
Test Equipment : ENV216,ESR
Temperature : 23.1℃
Humidity : 33%
Atmospheric pressure: 102.1kPa
Test Engineer : Aaron

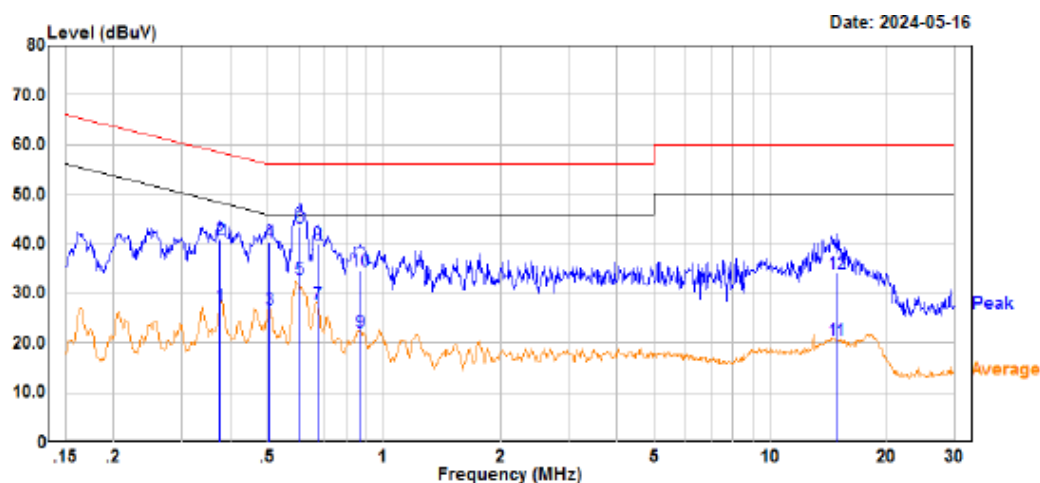
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV		dB	dBuV	dB	
1	0.192	17.90	19.94	37.84	53.97	-16.13	Average
2	0.192	30.40	19.94	50.34	63.97	-13.63	QP
3	0.429	13.50	20.08	33.58	47.26	-13.68	Average
4	0.429	26.90	20.08	46.98	57.26	-10.28	QP
5	0.570	12.99	20.10	33.09	46.00	-12.91	Average
6	0.570	26.19	20.10	46.29	56.00	-9.71	QP
7	0.643	14.50	20.08	34.58	46.00	-11.42	Average
8	0.643	27.80	20.08	47.88	56.00	-8.12	QP
9	0.863	10.30	19.88	30.18	46.00	-15.82	Average
10	0.863	23.40	19.88	43.28	56.00	-12.72	QP
11	15.772	4.39	19.81	24.20	50.00	-25.80	Average
12	15.772	17.89	19.81	37.70	60.00	-22.30	QP

Connected with load



Site : CE
Condition : FCC PART 15.207
: DET:Peak
Project No. : RKSA240109002
Model : T5940
Phase : L
Voltage : 120V/60Hz
Mode : NFC
Test Equipment : ENV216,ESR
Temperature : 22.9°C
Humidity : 39%
Atmospheric pressure: 101.9kPa
Test Engineer : Frank Liu

		Read		Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.432	8.70	20.08	28.78	47.22	-18.44 Average
2	0.432	18.30	20.08	38.38	57.22	-18.84 QP
3	0.554	12.01	20.09	32.10	46.00	-13.90 Average
4	0.554	22.21	20.09	42.30	56.00	-13.70 QP
5	0.600	18.40	20.09	38.49	46.00	-7.51 Average
6	0.600	28.70	20.09	48.79	56.00	-7.21 QP
7	0.643	15.50	20.08	35.58	46.00	-10.42 Average
8	0.643	24.70	20.08	44.78	56.00	-11.22 QP
9	1.193	9.49	19.87	29.36	46.00	-16.64 Average
10	1.193	19.99	19.87	39.86	56.00	-16.14 QP
11	14.856	7.50	19.81	27.31	50.00	-22.69 Average
12	14.856	20.80	19.81	40.61	60.00	-19.39 QP



Site : CE
 Condition : FCC PART 15.207
 : DET:Peak
 Project No. : RKSA240109002
 Model : T5940
 Phase : N
 Voltage : 120V/60Hz
 Mode : NFC
 Test Equipment : ENV216,ESR
 Temperature : 22.9°C
 Humidity : 39%
 Atmospheric pressure: 101.9kPa
 Test Engineer : Frank Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.377	7.59	20.06	27.65	48.34	-20.69	Average
2	0.377	20.89	20.06	40.95	58.34	-17.39	QP
3	0.504	6.80	20.11	26.91	46.00	-19.09	Average
4	0.504	20.30	20.11	40.41	56.00	-15.59	QP
5	0.603	12.79	20.09	32.88	46.00	-13.12	Average
6	0.603	23.19	20.09	43.28	56.00	-12.72	QP
7	0.672	7.80	20.07	27.87	46.00	-18.13	Average
8	0.672	19.70	20.07	39.77	56.00	-16.23	QP
9	0.867	2.30	19.88	22.18	46.00	-23.82	Average
10	0.867	14.70	19.88	34.58	56.00	-21.42	QP
11	14.782	0.80	19.81	20.61	50.00	-29.39	Average
12	14.782	14.30	19.81	34.11	60.00	-25.89	QP

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.

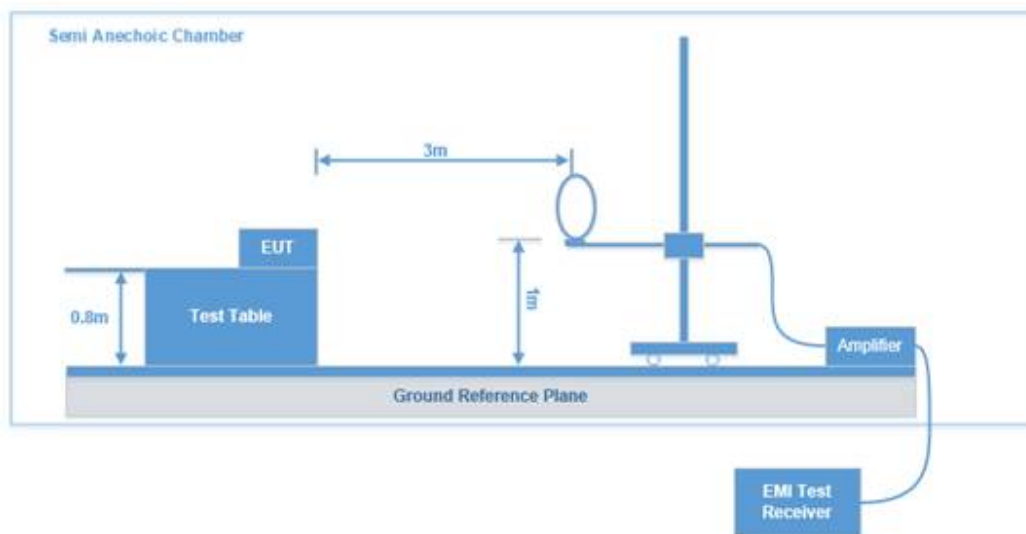
(b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(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.

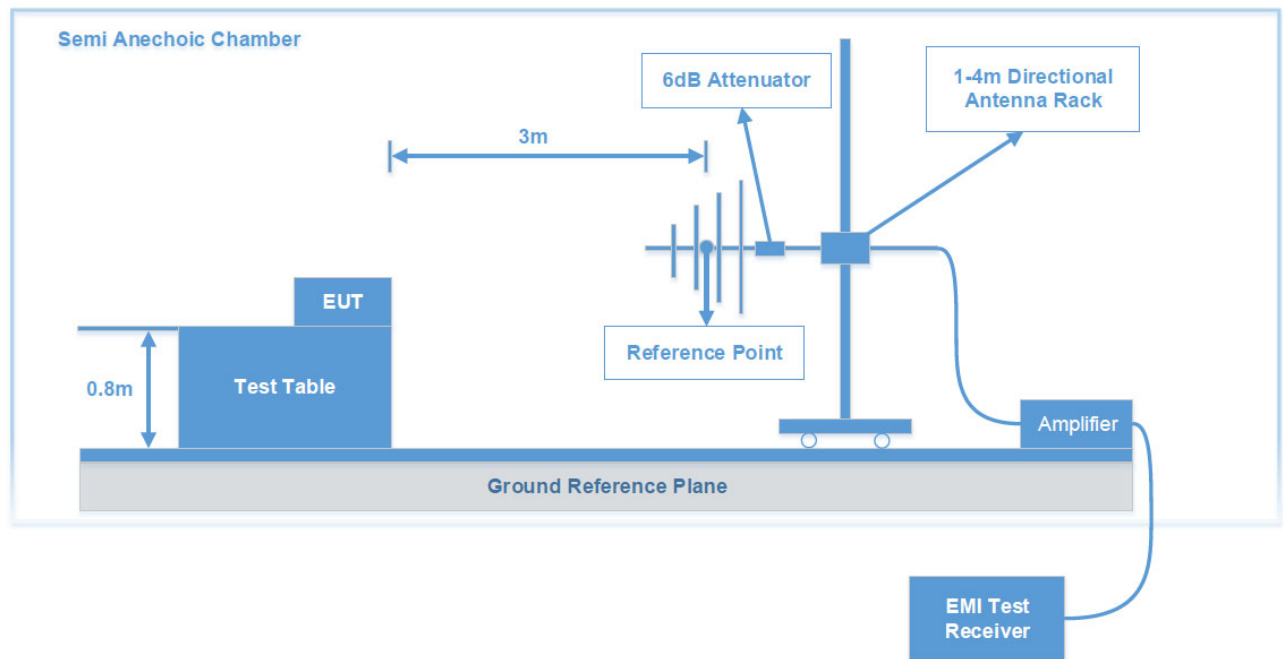
(d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

Test System Setup

9 kHz - 30 MHz:



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.

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.

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
9 kHz - 150 kHz	200 Hz	1 kHz	200 Hz	QP/Average
150 kHz - 30 MHz	9 kHz	30 kHz	9 kHz	QP/ Average
30 MHz - 1000 MHz	100 kHz	300 kHz	/	Peak
	/	/	120 kHz	QP

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 (dB μ V/m) = Meter Reading (dB μ V) + 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 (dB μ V/m) – Corrected Amplitude (dB μ V/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.

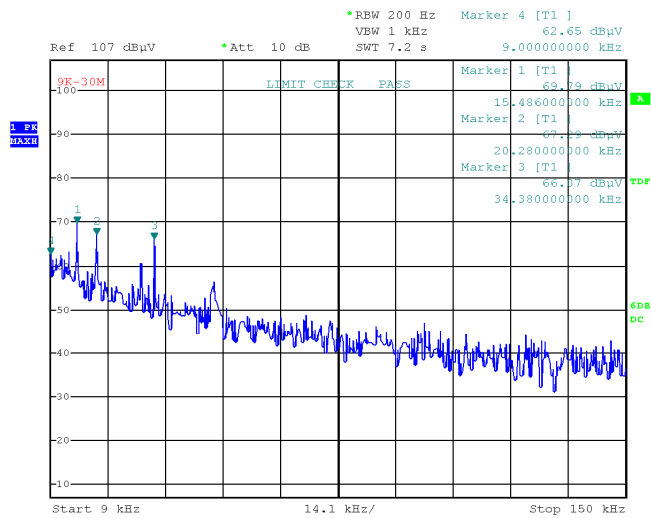
Test Data

Environmental Conditions & Test Information

Temperature:	21.3-22.0 °C
Relative Humidity:	48-52 %
ATM Pressure:	101.9-102.0 kPa
Test Date:	2024-05-16 to 2024-06-14
Test Engineer:	Leah Li

Test mode: Transmitting

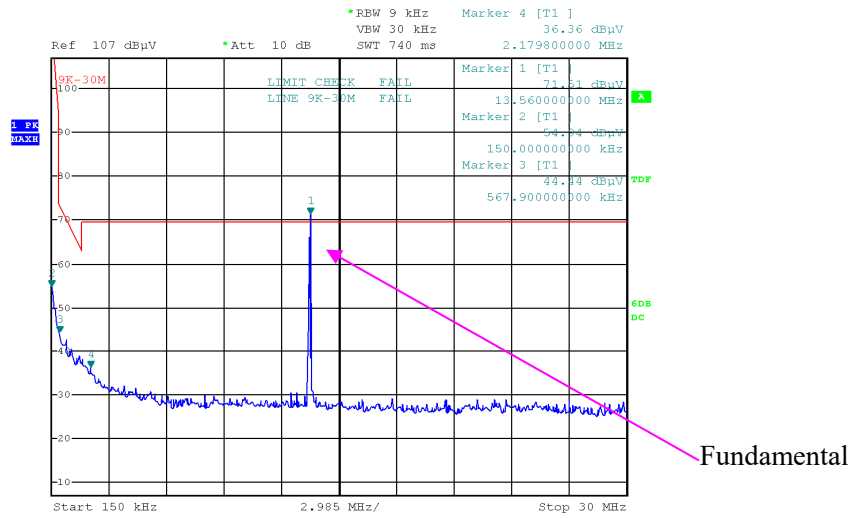
For Ground-parallel
1) 9 kHz~150 kHz:



Project No.RKSA240109002 Tester:Leah Li
Date: 14.JUN.2024 11:14:00

Frequency (kHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
15.49	69.79	PK	52.87	123.80	54.01
20.29	67.29	PK	49.92	121.49	54.20
34.38	66.07	PK	46.06	116.88	50.81
9.00	62.65	PK	57.00	128.52	65.87

2) 150 kHz~30 MHz:



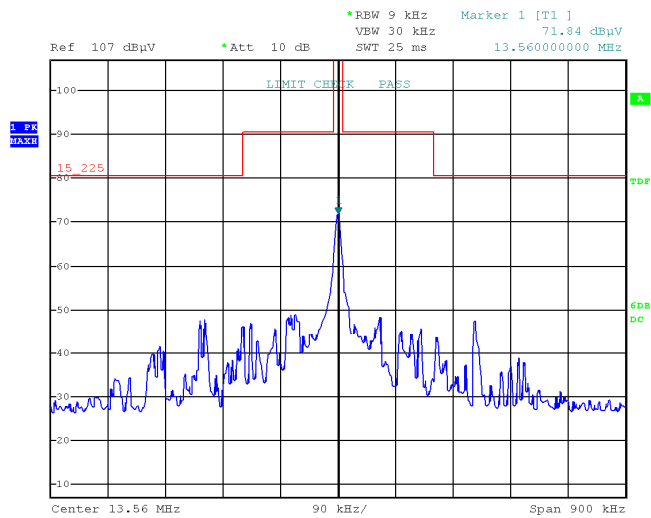
Project No.RKSA240109002

Tester:Leah Li

Date: 14.JUN.2024 12:02:16

Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
0.15	54.94	PK	50.90	104.08	49.14
0.57	44.44	PK	22.23	72.49	28.05
2.18	36.36	PK	13.64	69.24	32.88

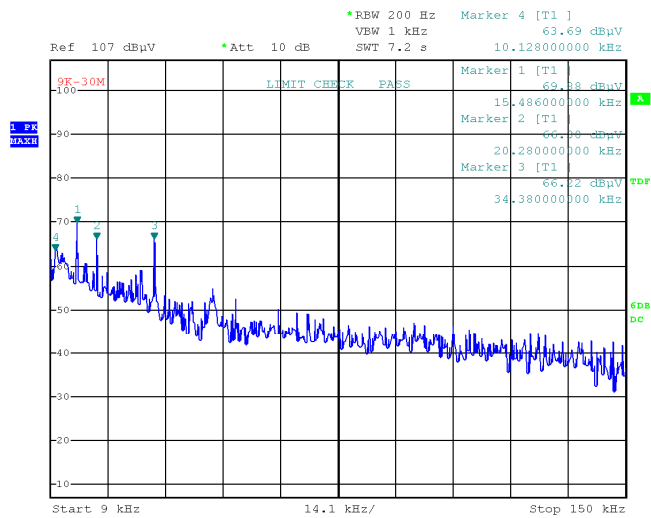
3) 13.110 MHz~14.010 MHz:



Project No.RKSA240109002 Tester:Leah Li
Date: 14.JUN.2024 11:57:47

Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
13.56	71.84	PK	6.12	124.00	52.16

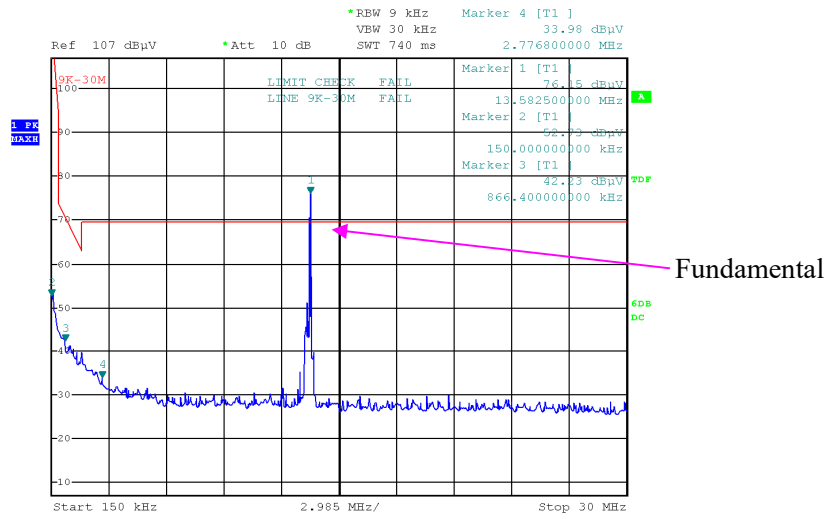
For Perpendicular
1) 9 kHz~150 kHz:



Project No.RKSA240109002 Tester:Leah Li
Date: 14.JUN.2024 11:21:21

Frequency (kHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
15.49	69.88	PK	52.87	123.80	53.92
20.28	66.30	PK	49.92	121.49	55.19
34.38	66.22	PK	46.06	116.88	50.66
10.13	63.69	PK	56.28	127.49	63.80

2) 150 kHz~30 MHz:



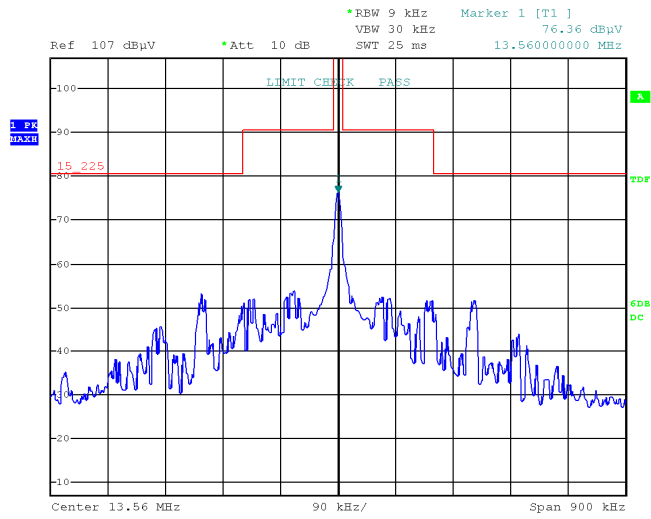
Project No.RKSA240109002

Tester:Leah Li

Date: 14.JUN.2024 11:33:09

Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
0.15	52.73	PK	50.90	104.08	51.35
0.87	42.23	PK	18.84	68.81	26.58
2.78	33.98	PK	11.12	69.24	35.26

3) 13.110 MHz~14.010 MHz:



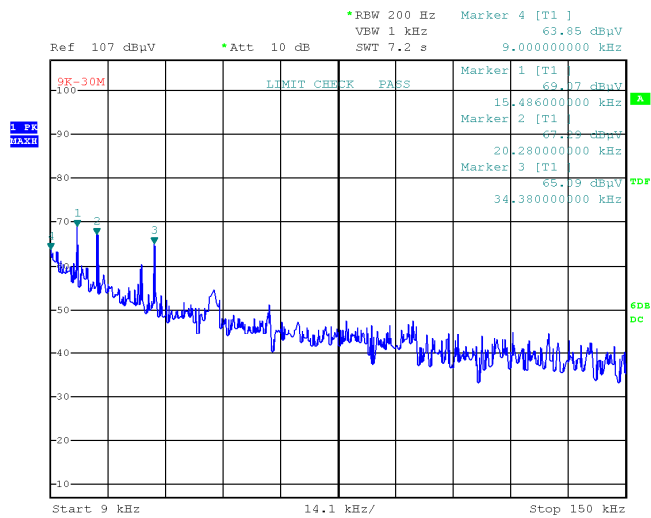
Project No.RKSA240109002

Tester:Leah Li

Date: 14.JUN.2024 11:36:19

Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
13.56	76.36	PK	6.12	124.00	47.64

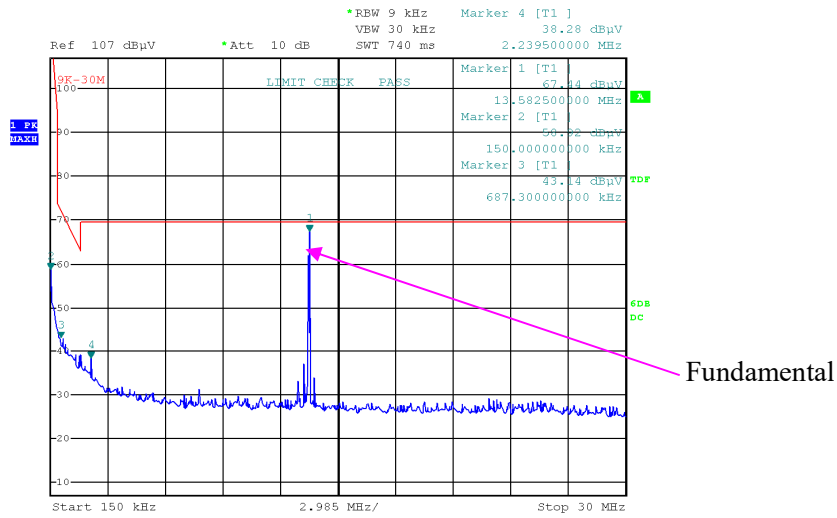
For Parallel
1) 9 kHz~150 kHz:



Project No.RKSA240109002 Tester:Leah Li
Date: 14.JUN.2024 11:25:09

Frequency (kHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
15.49	69.07	PK	52.87	123.80	54.73
20.28	67.29	PK	49.92	121.49	54.20
34.38	65.09	PK	46.06	116.88	51.79
9.00	63.85	PK	57.00	128.52	64.67

2) 150 kHz~30 MHz:

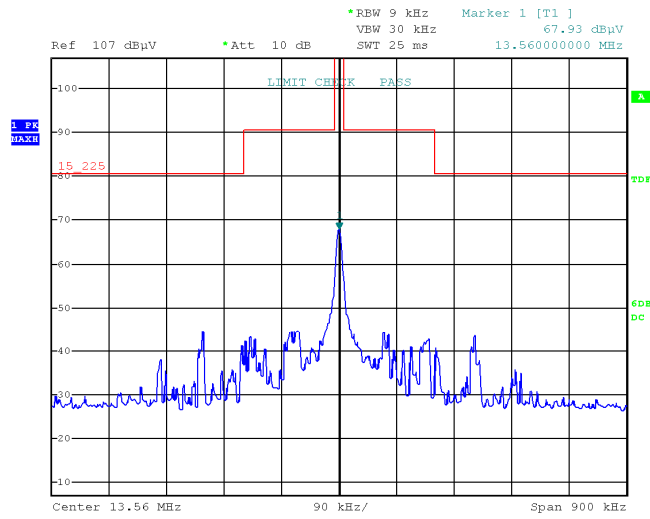


Project No. RKSA240109002
 Date: 14.JUN.2024 11:50:42

Tester: Leah Li

Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
0.15	58.92	PK	50.90	104.08	45.16
0.69	43.14	PK	20.73	70.83	27.69
2.24	38.28	PK	13.39	69.24	30.96

3) 13.110 MHz~14.010 MHz:



Project No. RKSA240109002

Tester: Leah Li

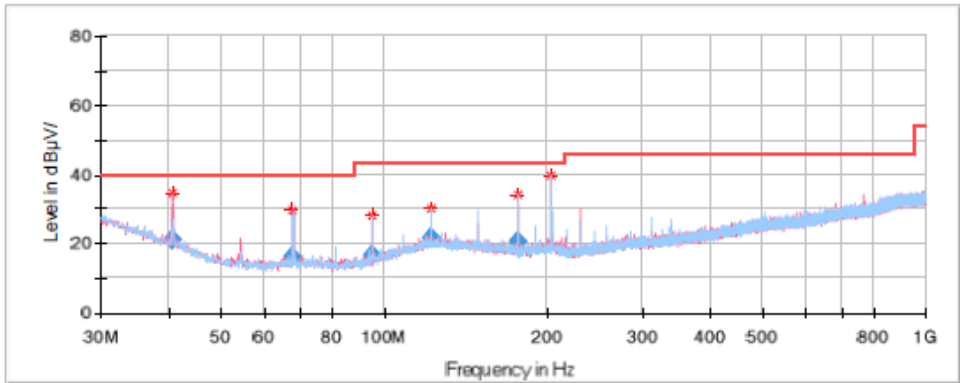
Date: 14.JUN.2024 11:54:42

Frequency (MHz)	Corrected Amplitude (dBμV/m)@3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m)@3m	Margin (dB)
13.56	69.93	PK	6.12	124.00	54.07

30 MHz ~1 GHz:

Common Information

Project No: RKSA240109002
EUT Model: T5940
Test Mode: NFC
Standard: FCC Part 15.207
Test Equipment: ESCI, JB3, 310N
Temperature: 21.3°C
Humidity: 48%
Barometric Pressure: 101.9kPa
Test Engineer: Leah Li
Test Date: 2024/5/16



Final Result

Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
40.670000	20.89	40.00	19.11	V	-12.2
67.700000	15.88	40.00	24.12	V	-16.9
94.860000	16.75	43.50	26.75	H	-15.7
122.020000	21.65	43.50	21.85	H	-11.3
176.220000	20.76	43.50	22.74	H	-13.2
203.260000	20.25	43.50	23.25	H	-12.5

EUT PHOTOGRAPHS

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

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT F-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 *******