Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

EMC TEST REPORT

PRODUCT	Smart label printing scale
BRAND	SUNMI
MODEL	ACS-F2531,ACS-F2532
APPLICANT	Shanghai Sunmi Technology Co.,Ltd.
FCC ID	2AH25S2LCC
ISSUE DATE	October 16, 2024
STANDARD(S)	FCC Part 15, Subpart B, ANSI C63.4-2014, ICES-003 Issue 7.

Prepared by: ***Li Liukai*** **Reviewed by:** ***Qin Yabin*** **Approved by:** ***Zhang Min***

CONTENTS

1 Summary of Test Report

1.1 Test Standard (s)

No.	Test Standard(s)	Title
1	FCC Part 15, Subpart B	Radio frequency devices
2	ANSI C63.4	Method of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
3	ICES-003	Information Technology Equipment (Including Digital Apparatus)-Limits and Methods of Measurement
NOTE: According to customer requirements, test and report using the latest version of the standard.		

1.2 Summary of Test Results

No.	Item(s)	FCC Standard(s)	IC Standard(s)	Verdicts for Single Item	Detailed Results
1	Radiated Emission	15.109(a)	3.2.2	Pass	See section 6.1
2	AC Conducted Emission	15.107(a)	3.2.1	Pass	See section 6.2

NOTE:
The ACS-F2531,ACS-F2532, manufactured by Shanghai Sunmi Technology Co.,Ltd. is a variant product for testing.
This project is a variant project based on the original report 23T04I30142-EMC01-V00.
Based on the product change description, we retest it all, as shown in section 5.3, and documented the worst-case scenarios for the test data in the report.
Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3.
Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.
There are two configurations S01aa (Mainly Supply) & S05aa (Secondary Supply) in this project. We mainly tested the S01aa (Mainly Supply), and the other configuration tested the worst mode of the main supply, and recorded the test results of the worst mode respectively in the report.
The description of the differences between S01aa (Mainly Supply) & S05aa (Secondary Supply) are as follows:

Product	S2CC (Original Report)	S2LCC (This Report)
Type	15.6" 15.6"+15.6" 15.6"+10.1"	15.6": S05aa (Secondary Supply) 15.6"+15.6": S01aa (Mainly Supply)
Difference	Base 58 Printer	Base 60 Printer

2 General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4, No. 766, Jingang Road, Pudong, Shanghai, China
Telephone	021-68866880
FCC Registration No.	708870
FCC Designation No.	CN1364
IC designation No.	10766A
CAB identifier	CN0067

2.2 Laboratory Environmental Requirements

Temperature	15℃~35℃
Relative Humidity	25%RH~75%RH
Atmospheric Pressure	86kPa~106kPa
Supply Voltage	120V/60Hz

2.3 Project Information

Project Manager	Gao Hongning
Test Date	August 14, 2024 to September 11, 2024

3 General Information of The Customer

3.1 Applicant

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Telephone	+86 17302160204

3.2 Manufacturer

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Telephone	+86 17302160204

3.3 Factory

Company	N/A
Address	N/A

4 General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

Product	Smart label printing scale
Model	ACS-F2531,ACS-F2532
Date of Receipt	August 13, 2024
EUT ID*	S01aa (Mainly Supply) & S05aa (Secondary Supply)
SN/IMEI	SF02P47540169 SF01P36940168
Supported Radio Technology and Bands	WLAN 802.11b,g,n WLAN 802.11a,n,ac BT 4.2
Hardware Version	RK3568 MB V2.0
Software Version	3.0.11
NOTE1: EUT ID is the internal identification code of the laboratory. NOTE2: Photographs of EUT are shown in ANNEX A of this test report. NOTE3: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.	

4.2 Description for Auxiliary Equipment (AE)

AE ID*	Description	Model	SN/Remark
CA01	Adapter	CYSE65-240250	Jiangsu Chenyang Electron Co., Ltd. 24V,2.5A
UA01	AC Cable	N/A	N/A
AE1	Notebook PC	DELL Latitude E6510	N/A
AE2	LAN Cable	N/A	N/A
AE3	Keyboard	KB212-B	CN-0Y88XT-65890-12I-005Q-A00
AE4	Mouse	MS111-P	CN-011D3V-71581-19J-1A64
AE5	Earphone	N/A	N/A
AE6	Micro SD card	Kingston SDC4/4GB 77	N/A
AE7	Cash Box	NC020	N/A
AE8	Telephone	HA8000(28) P/T S	N/A
AE9	U disk	Kingston DTSE9 16GB	N/A

AE10	U disk	Kingston DTSE9 16GB	N/A
AE11	USB Cable	N/A	N/A
AE12	Object of weight	N/A	N/A
NOTE: *AE ID is the internal identification code of the laboratory.			

5 Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

Semi-anechoic chamber SAC3-1 (9 m*8m*6.2m) & SAC3-2 (9.8m*6.7m*6.7m)	
Shielding effectiveness	0.014MHz ~1MHz, >60dB; 1MHz~1000MHz, >90dB.
Electrical insulation	> 2MΩ
Ground system resistance	< 4Ω
Normalised site attenuation (NSA)	< ± 4 dB, 3m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (SVSWR)	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

Shielded room	
Shielding effectiveness	0.014MHz~1MHz, >60dB; 1MHz~1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4Ω

5.2 Decision of final test mode

The EUT was tested in conjunction with the accessories in Section 4.2. We tested all of the following test modes and selected the worst mode from the test results and recorded them in the report.

The test configuration modes are as the following:

S01aa (Mainly Supply):

Test Item	Test setup and operating modes
Radiated emission	30MHz-18GHz frequency range: Mode 1: Working mode (Full system) + Data Link+ CA01+ UA01 Mode 2: Working mode (Full system) + Weighing mode+ CA01+ UA01 Mode 3: Print mode+ CA01+ UA01
AC Conducted emission	Mode 1: Working mode (Full system) + Data Link+ CA01+ UA01

	Mode 2: Working mode (Full system) + Weighing mode+ CA01+ UA01 Mode 3: Print mode+ CA01+ UA01
Note: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. The worst case of radiated emission for 30MHz-1GHz is Mode 1 and for 1GHz -18GHz is Mode 3. 3. The worst case for conducted emission is mode 2.	

S05aa (Secondary Supply):

Test Item	Test setup and operating modes
Radiated emission	30MHz-18GHz frequency range: Mode 1: Working mode (Full system) + Data Link+ CA01+ UA01 Mode 3: Print mode+ CA01+ UA01
AC Conducted emission	Mode 2: Working mode (Full system) + Weighing mode+ CA01+ UA01
Note: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. The worst case of radiated emission for 30MHz-1GHz is Mode 1 and for 1GHz -18GHz is Mode 3. 3. The worst case for conducted emission is mode 2.	

5.3 EUT System Operation

1. Connect the EUT with AE.
2. Setup the EUT according to the standard.
3. Start testing and monitoring the function.
4. Working mode (Full system): The EUT is powered by a power adapter. The EUT is connected to a PC through network cable. Other ports are connected to telephone, keyboard, U disk etc. and through LAN cable to PC for exchange of PING command.
5. Data Link means data application transferred mode between EUT and SD Card.
6. Weighing mode: The load is placed on the electronic scale, which can measure the mass of the load.

5.4 EUT Connection Diagram of Test System

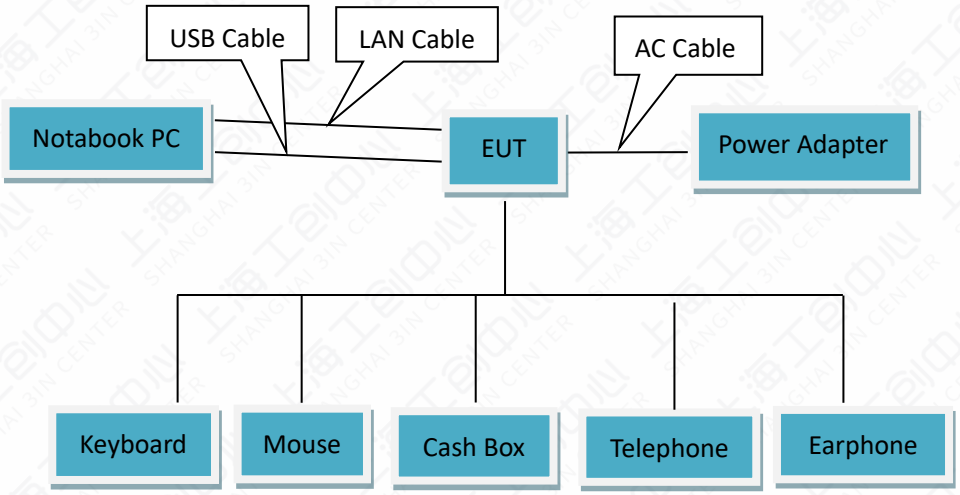

Figure 5.4-1 Mode 1

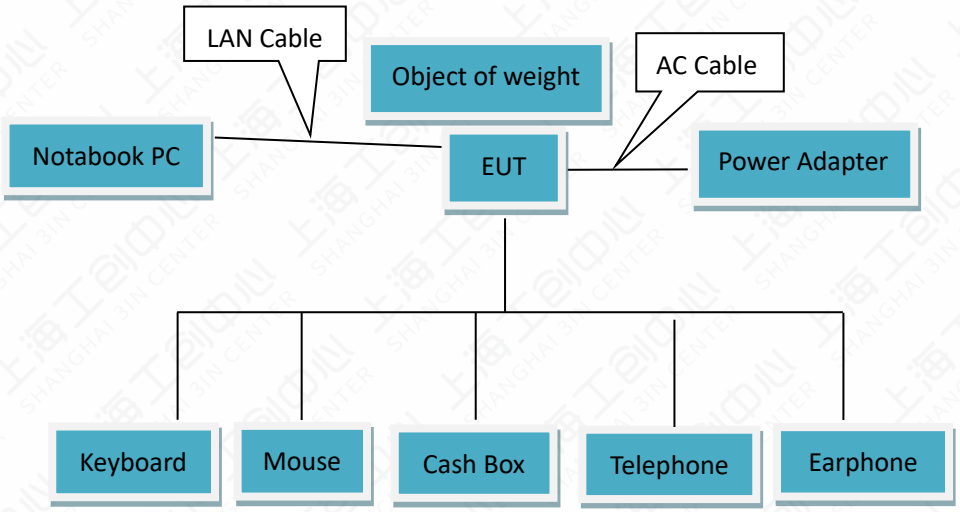

Figure 5.4-2 Mode 2

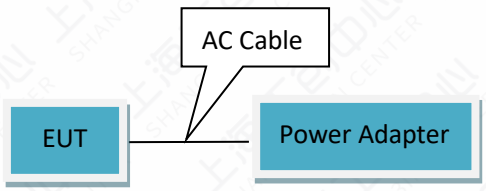

Figure 5.4-3 Mode 3

5.5 Test Equipment Utilized

No.	Name	Model	S/N	SW Version	HW Version	Manufacturer	Cal. Date	Cal. Interval
1	Test Receiver	ESCI	101235	V5.1-24-3	00	R&S	2023-12-19	1 year
2	Test Receiver	ESR7	102399	1.4	00	R&S	2024-06-07	1 year
3	Test Receiver	FSW43	101943	1.12	00	R&S	2023-08-31	1 year
							2024-08-21	1 year
4	Trilog Antenna	VULB9162	00426	N/A	N/A	Schwarzbeck	2024-08-02	1 year
5	Double Ridged Guide Antenna	ETS-3117	00135885	N/A	N/A	ETS	2024-03-26	1 year
6	2-Line V-Network	ENV216	101380	N/A	N/A	R&S	2023-12-19	1 year
7	EMI Test Software	EMC32 V10.35.02	N/A	N/A	N/A	R&S	N/A	N/A
8	EMI Test Software	EMC32 V10.60.20	N/A	N/A	N/A	R&S	N/A	N/A
9	Preamplifier	SCU08F1	8320024	N/A	N/A	R&S	2023-10-16	1 year
10	Preamplifier	SCU18	10155	N/A	N/A	R&S	2023-10-16	1 year

5.6 Measurement Uncertainty

Item (s)	Uncertainty
Radiated Emission 30MHz-1000MHz	4.86 dB
Radiated Emission 1000MHz-18000MHz	5.58 dB
Conducted Emission	3.30 dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of *k*=2.	

6 Test Results

6.1 Radiated Emission

6.1.1 Method of Measurement

a. For 30MHz -1000MHz, the EUT was placed on the top of a rotating 0.8m table above the ground at a semi-anechoic chamber. The distance between the EUT and the received antenna was 3 meters. The table was rotated 360 degree and the received antenna mounted on a variable-height antenna tower was varied from 1m to 4m to find the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.

b. For 1000MHz -18000MHz, the EUT was placed on the top of a 0.8m table above the ground at a 3m fully anechoic chamber. The maximal emission value was acquired by adjusting the antenna height, The table was rotated 360 degrees to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement

6.1.2 EUT Connection Diagram of Test System

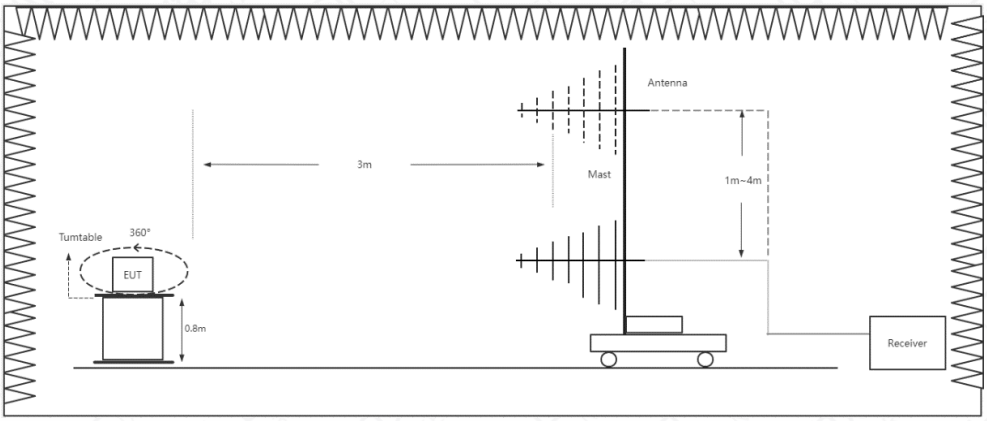

Figure 6.1.2-1 RE 30MHz-1GHz Connection Diagram

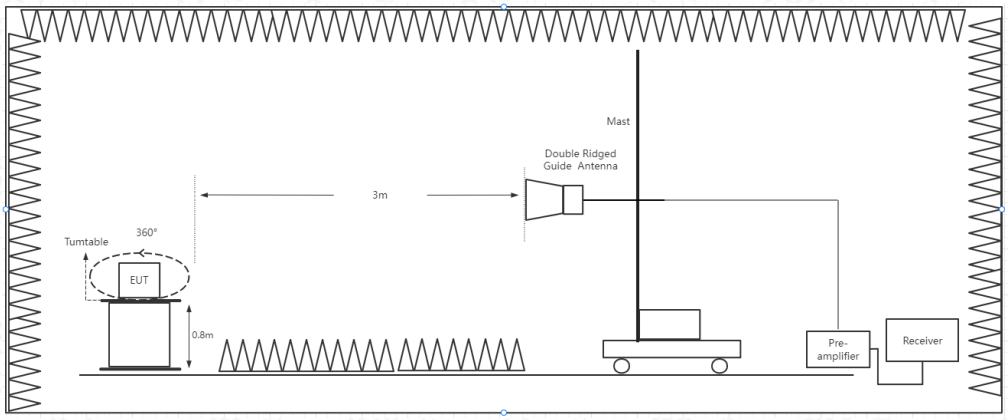

Figure 6.1.2-2 RE Above 1GHz Connection Diagram

6.1.3 Test Condition

Frequency Range (MHz)	RBW/VBW	Sweep Time (s)
30-1000	120kHz/300kHz	AUTO
1000-18000	1MHz/3MHz	AUTO

6.1.4 Limit/Criterion

Frequency Range (MHz)	Quasi-Peak (dBμV/m)	Peak (dBμV/m)	Average (dBμV/m)
30-88	40	N/A	N/A
88-216	43.5	N/A	N/A
216-960	46	N/A	N/A
Above 960	54	N/A	N/A
Above 1000	N/A	74	54

6.1.5 Test environmental conditions

Temperature	23.1℃
Relative Humidity	56.7%RH
Atmospheric Pressure	101.3 kPa

6.1.6 Test Results

S01aa (Mainly Supply):

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 1: Working mode (Full system) + Data Link+ CA01+ UA01	30-1000	See Annex A.1-1	Pass
Mode 3: Print mode+ CA01+ UA01	1000-18000	See Annex A.1-2 &A.1-3	Pass
NOTE: Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

S05aa (Secondary Supply):

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 1: Working mode (Full system) + Data Link+ CA01+ UA01	30-1000	See Annex A.1-4	Pass
Mode 3: Print mode+ CA01+ UA01	1000-18000	See Annex A.1-5 &A.1-6	Pass
NOTE: Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

6.2 Conducted Emission

6.2.1 Method of Measurement

The EUT was placed on a 0.8m height table with EUT being connected to the power mains through a line impedance stabilization network (LISN). Both lines of the power mains connected to the EUT were checked for maximum conducted interference. The frequency range from 150 kHz to 30 MHz was searched.

6.2.2 EUT Connection Diagram of Test System

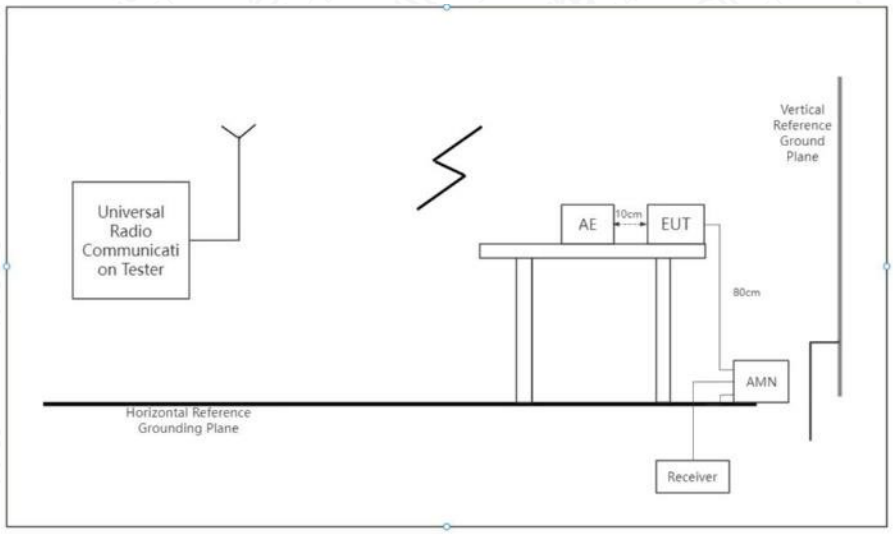

Figure 6.2.2-1 CE Connection Diagram

6.2.3 Test Condition

Test Condition in Charging Mode

Voltage (V)	Frequency (Hz)	RBW	Sweep Time (s)
120	60	9 kHz	AUTO

6.2.4 Limit

Frequency Range (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

6.2.5 Testing environmental conditions

Temperature	24.5℃
Relative Humidity	58.4%RH
Atmospheric Pressure	100.9kPa

6.2.6 Test Results

S01aa (Mainly Supply):

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 2: Working mode (Full system) + Weighing mode+ CA01+ UA01	0.15-30	See Annex A.2-1	Pass
NOTE: Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

S05aa (Secondary Supply):

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 2: Working mode (Full system) + Weighing mode+ CA01+ UA01	0.15-30	See Annex A.2-2	Pass
NOTE: Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

Annex A: Measurement Data

A.1 Radiated Emission

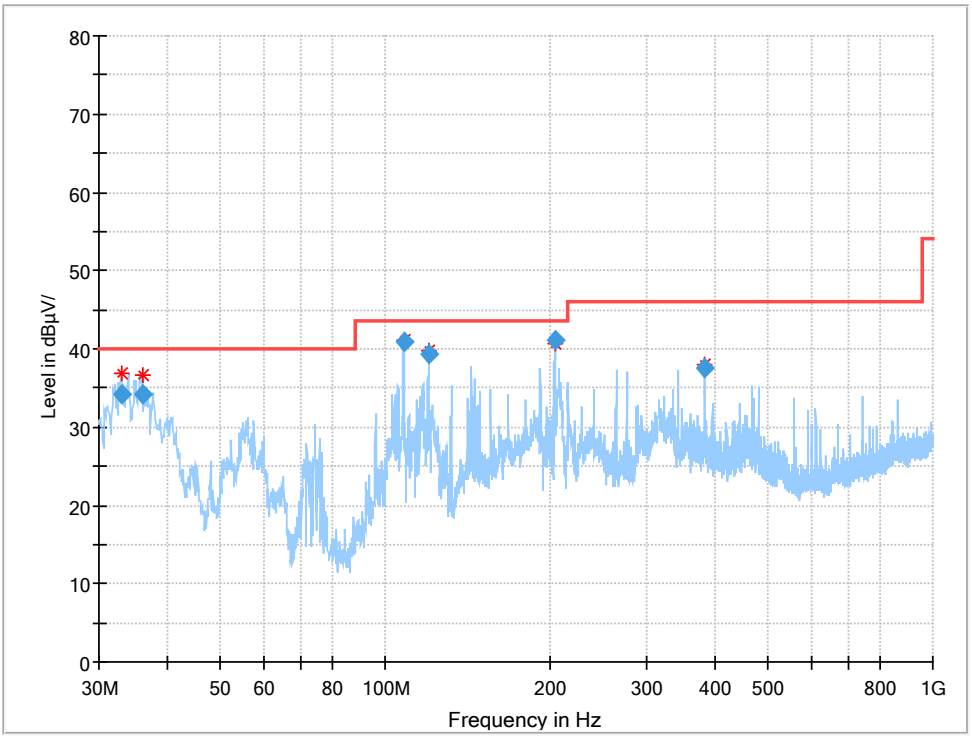

Figure A.1-1 Mode 1 (30M-1GHz) _ S01aa (Mainly Supply)

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.990920	34.19	40.00	5.81	100.0	V	63.0	-15.6
36.055000	34.20	40.00	5.80	100.0	V	110.0	-14.7
107.989640	41.00	43.50	2.50	100.0	V	246.0	-13.5
119.996640	39.43	43.50	4.07	100.0	V	213.0	-15.2
203.992160	41.09	43.50	2.41	100.0	H	227.0	-13.3
383.977840	37.53	46.00	8.47	100.0	V	344.0	-7.5

Note:

1.Horizontal and vertical polarity is all have been tested, the result of them is synthesized in the above data diagram.

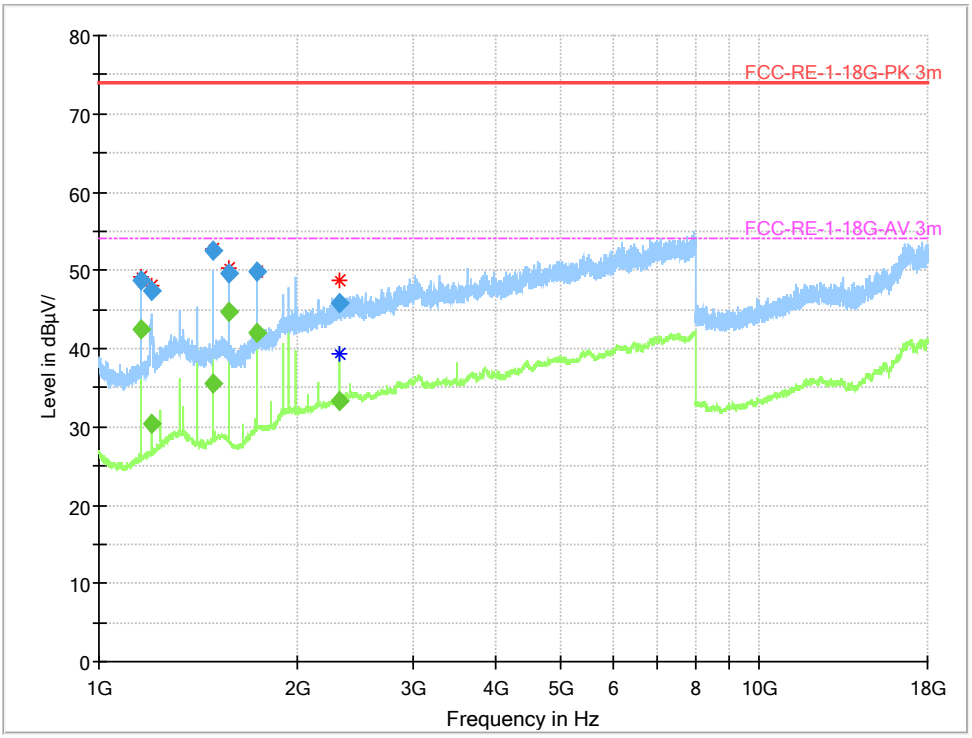

Figure A.1-2 Mode 3 (1GHz-18GHz)-H _ S01aa (Mainly Supply)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1159.060000	---	42.42	54.00	11.58	100.0	H	26.0	-0.2
1159.060000	48.67	---	74.00	25.33	100.0	H	26.0	-0.2
1199.876250	---	30.36	54.00	23.64	100.0	H	252.0	0.5
1199.876250	47.44	---	74.00	26.56	100.0	H	252.0	0.5
1490.315000	52.54	---	74.00	21.46	100.0	H	59.0	2.6
1490.315000	---	35.42	54.00	18.58	100.0	H	59.0	2.6
1572.948750	49.72	---	74.00	24.28	100.0	H	59.0	2.4
1572.948750	---	44.64	54.00	9.36	100.0	H	59.0	2.4
1738.956250	---	42.04	54.00	11.96	188.0	H	25.0	4.2
1738.956250	49.80	---	74.00	24.20	188.0	H	25.0	4.2
2318.430000	---	33.29	54.00	20.71	187.0	H	80.0	8.2
2318.430000	45.90	---	74.00	28.10	187.0	H	80.0	8.2

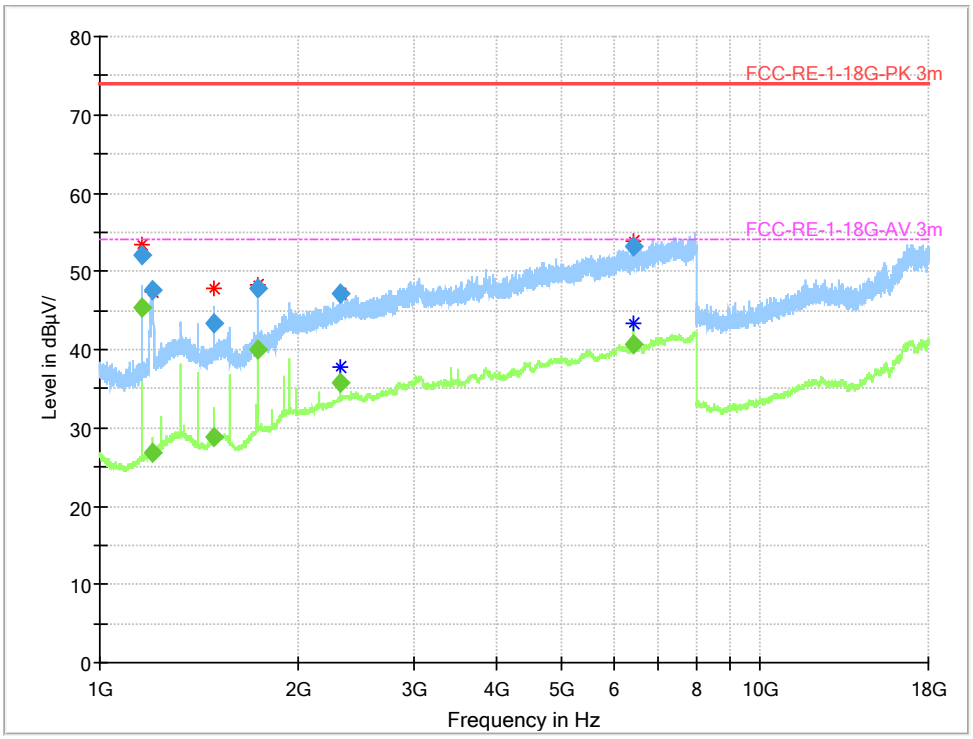

Figure A.1-3 Mode 3 (1GHz-18GHz)-V _ S01aa (Mainly Supply)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1159.298750	51.99	---	74.00	22.01	103.0	V	169.0	-0.2
1159.298750	---	45.41	54.00	8.59	103.0	V	169.0	-0.2
1201.133750	---	26.78	54.00	27.22	103.0	V	197.0	0.5
1201.133750	47.55	---	74.00	26.45	103.0	V	197.0	0.5
1490.673750	43.25	---	74.00	30.75	105.0	V	197.0	2.6
1490.673750	---	28.73	54.00	25.27	105.0	V	197.0	2.6
1738.532500	---	40.04	54.00	13.96	100.0	V	140.0	4.2
1738.532500	47.74	---	74.00	26.26	100.0	V	140.0	4.2
2318.510000	---	35.69	54.00	18.31	100.0	V	339.0	8.2
2318.510000	47.10	---	74.00	26.90	100.0	V	339.0	8.2
6432.621250	---	40.67	54.00	13.33	215.0	V	175.0	18.5
6432.621250	53.20	---	74.00	20.80	215.0	V	175.0	18.5

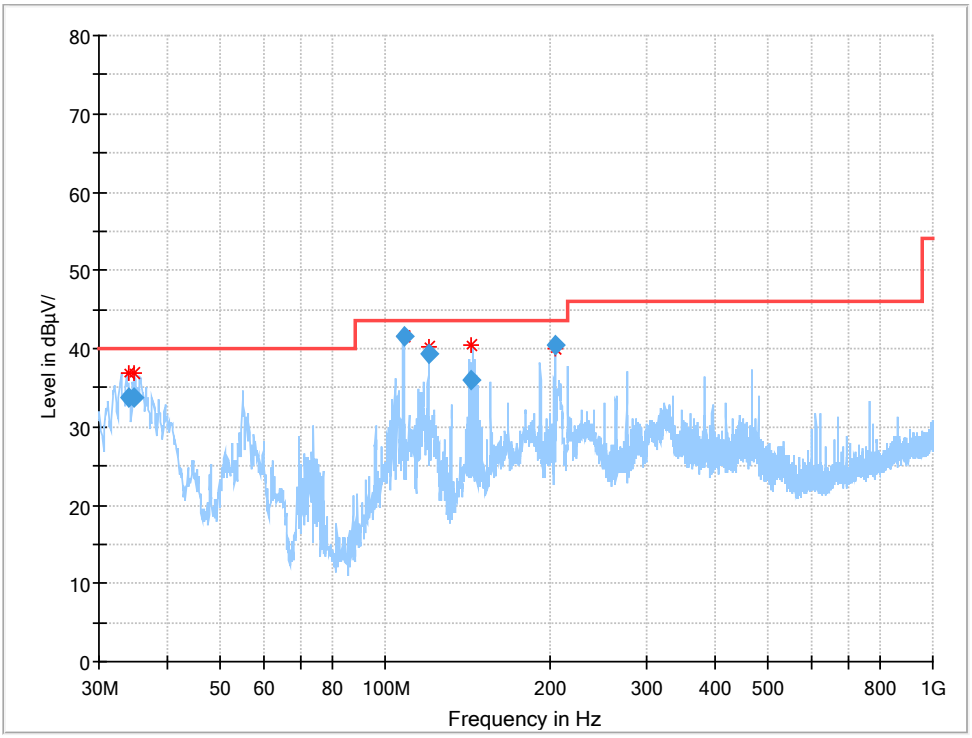

Figure A.1-4 Mode 1 (30M-1GHz) _ S05aa (Secondary Supply)

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.966440	33.71	40.00	6.29	100.0	V	129.0	-15.3
34.889960	33.76	40.00	6.24	100.0	V	105.0	-15.0
107.994000	41.52	43.50	1.98	100.0	V	269.0	-13.5
120.000600	39.43	43.50	4.07	100.0	V	210.0	-15.2
143.994440	35.98	43.50	7.52	200.0	H	176.0	-16.2
203.992800	40.53	43.50	2.97	100.0	H	115.0	-13.3

Note:

1.Horizontal and vertical polarity is all have been tested, the result of them is synthesized in the above data diagram.

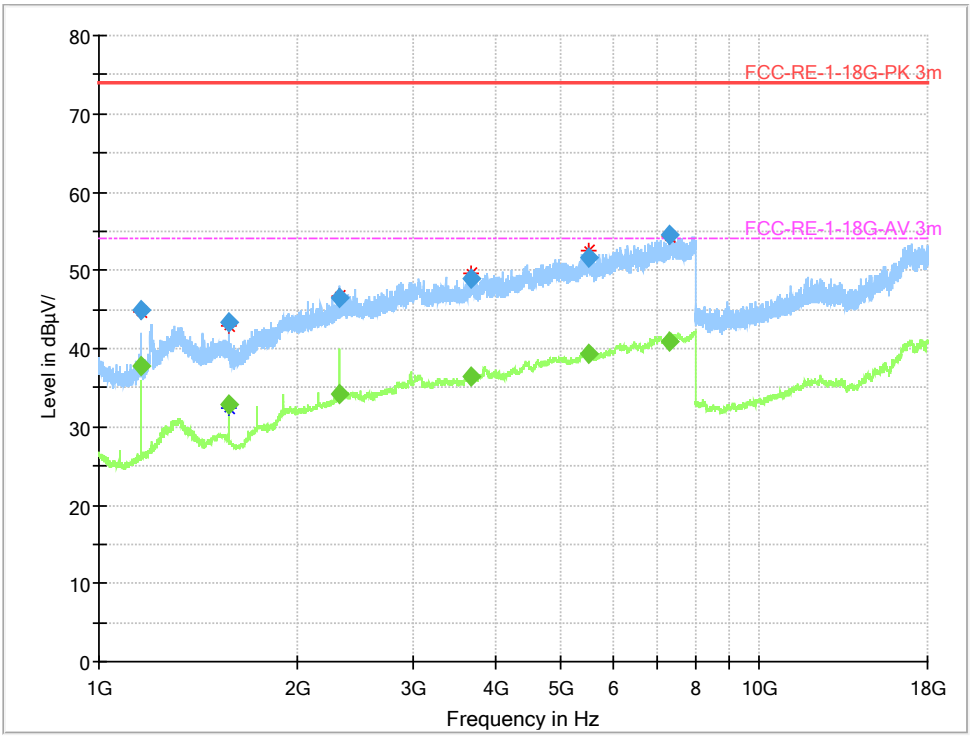

Figure A.1-5 Mode 3 (1GHz-18GHz)-H _ S05aa (Secondary Supply)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1159.152500	44.93	---	74.00	29.07	100.0	H	342.0	-0.2
1159.152500	---	37.68	54.00	16.32	100.0	H	342.0	-0.2
1573.147500	43.29	---	74.00	30.71	100.0	H	61.0	2.3
1573.147500	---	32.82	54.00	21.18	100.0	H	61.0	2.3
2318.671250	46.44	---	74.00	27.56	185.0	H	85.0	8.2
2318.671250	---	34.24	54.00	19.76	185.0	H	85.0	8.2
3667.070000	49.03	---	74.00	24.97	103.0	H	0.0	12.5
3667.070000	---	36.34	54.00	17.66	103.0	H	0.0	12.5
5518.655000	51.71	---	74.00	22.29	115.0	H	5.0	16.9
5518.655000	---	39.22	54.00	14.78	115.0	H	5.0	16.9
7301.826250	54.45	---	74.00	19.55	215.0	H	0.0	20.2
7301.826250	---	40.97	54.00	13.03	215.0	H	0.0	20.2

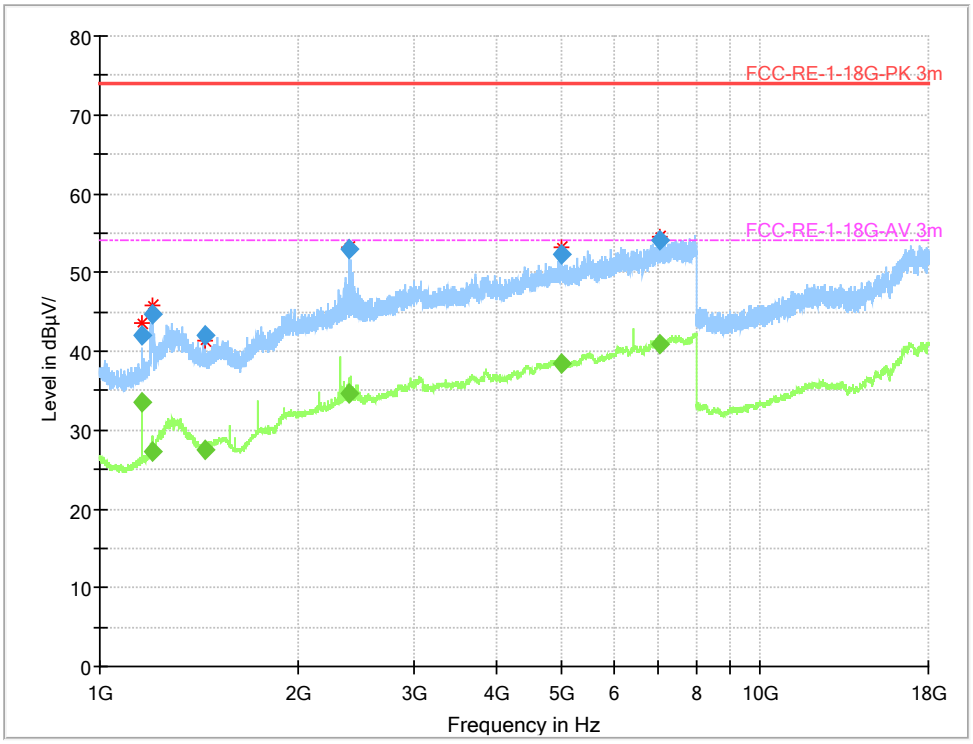

Figure A.1-6 Mode 3 (1GHz-18GHz)-V _ S05aa (Secondary Supply)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1159.228750	41.93	---	74.00	32.07	102.0	V	332.0	-0.2
1159.228750	---	33.43	54.00	20.57	102.0	V	332.0	-0.2
1200.591250	---	27.18	54.00	26.82	187.0	V	169.0	0.5
1200.591250	44.77	---	74.00	29.23	187.0	V	169.0	0.5
1440.287500	41.97	---	74.00	32.03	100.0	V	218.0	1.7
1440.287500	---	27.53	54.00	26.47	100.0	V	218.0	1.7
2390.781250	53.07	---	74.00	20.93	100.0	V	246.0	8.7
2390.781250	---	34.58	54.00	19.42	100.0	V	246.0	8.7
4997.977500	---	38.50	54.00	15.50	115.0	V	200.0	15.4
4997.977500	52.29	---	74.00	21.71	115.0	V	200.0	15.4
7073.293750	54.06	---	74.00	19.94	115.0	V	340.0	19.9
7073.293750	---	40.94	54.00	13.06	115.0	V	340.0	19.9

A.2 Conducted Emission

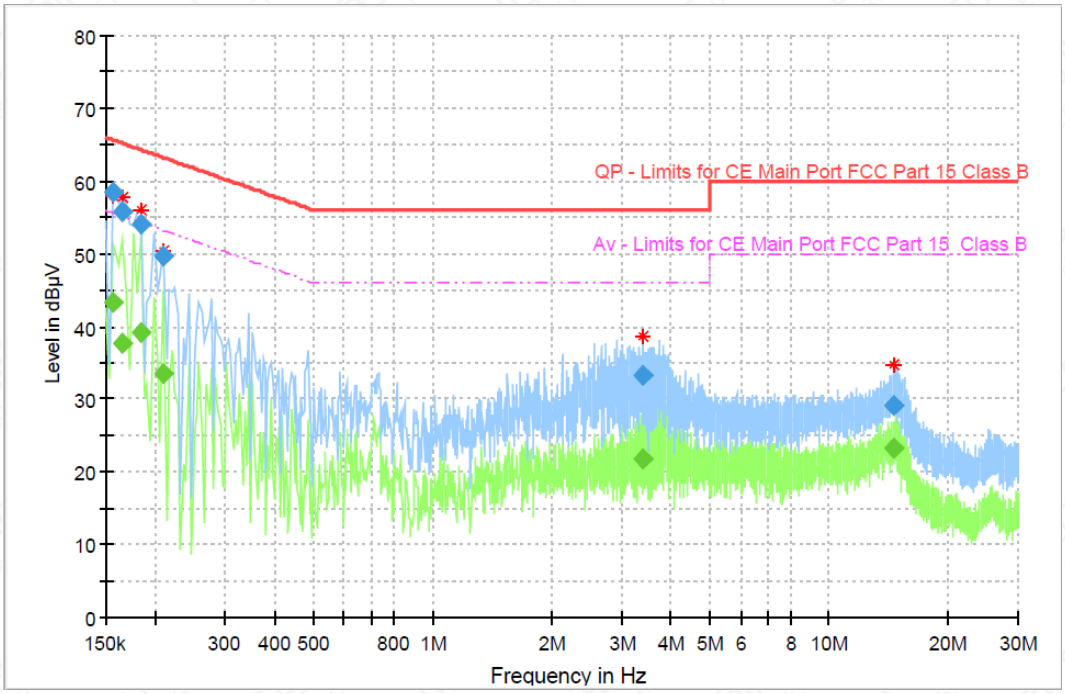

Figure A.2-1 Mode 2 (150kHz-30MHz) _ S01aa (Mainly Supply)

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.157463	---	43.41	55.60	12.19	15000.0	9.000	L1	ON	9.6
0.157463	58.54	---	65.60	7.06	15000.0	9.000	L1	ON	9.6
0.164925	---	37.66	55.21	17.56	15000.0	9.000	L1	ON	9.6
0.164925	55.90	---	65.21	9.32	15000.0	9.000	L1	ON	9.6
0.183581	---	39.12	54.32	15.20	15000.0	9.000	L1	ON	9.6
0.183581	54.04	---	64.32	10.29	15000.0	9.000	L1	ON	9.6
0.209700	---	33.63	53.22	19.58	15000.0	9.000	L1	ON	9.6
0.209700	49.56	---	63.22	13.66	15000.0	9.000	L1	ON	9.6
3.407381	---	21.83	46.00	24.17	15000.0	9.000	L1	ON	9.6
3.407381	33.19	---	56.00	22.81	15000.0	9.000	L1	ON	9.6
14.597400	---	23.17	50.00	26.83	15000.0	9.000	L1	ON	9.9
14.597400	29.23	---	60.00	30.77	15000.0	9.000	L1	ON	9.9

Note：L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.

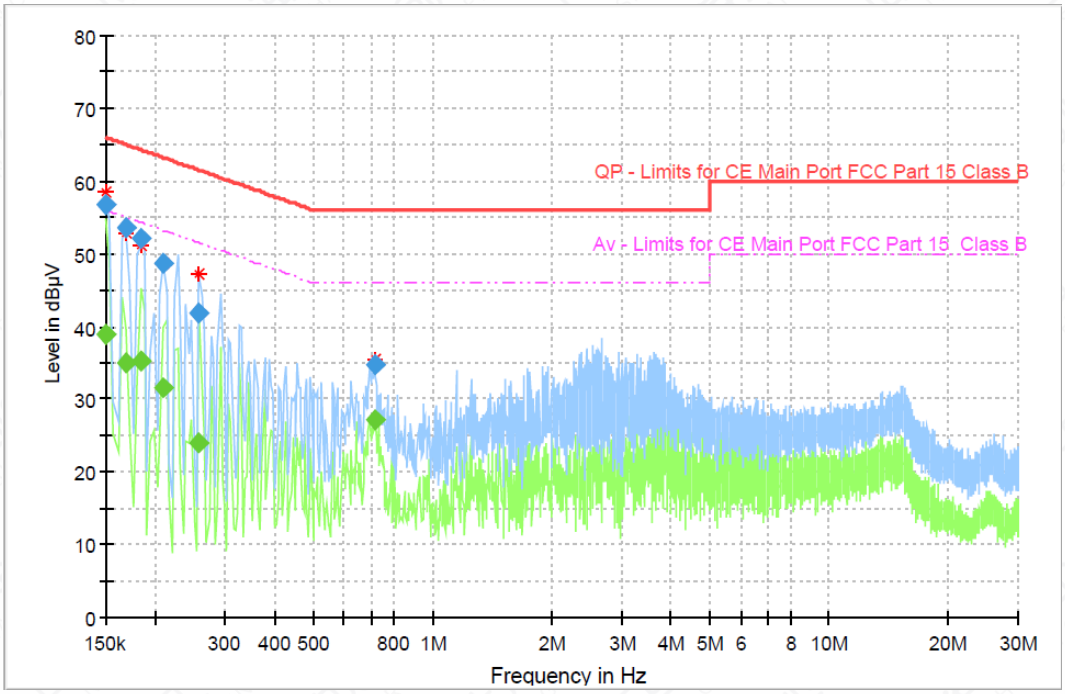

Figure A.2-2 Mode 2 (150kHz-30MHz) _ S05aa (Secondary Supply)

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.150000	---	38.84	56.00	17.16	15000.0	9.000	N	ON	9.6
0.150000	56.78	---	66.00	9.22	15000.0	9.000	N	ON	9.6
0.168656	---	34.91	55.03	20.12	15000.0	9.000	L1	ON	9.6
0.168656	53.63	---	65.03	11.40	15000.0	9.000	L1	ON	9.6
0.183581	52.01	---	64.32	12.31	15000.0	9.000	L1	ON	9.6
0.183581	---	35.24	54.32	19.08	15000.0	9.000	L1	ON	9.6
0.209700	---	31.53	53.22	21.69	15000.0	9.000	L1	ON	9.6
0.209700	48.61	---	63.22	14.60	15000.0	9.000	L1	ON	9.6
0.258206	---	23.95	51.49	27.54	15000.0	9.000	L1	ON	9.6
0.258206	41.90	---	61.49	19.59	15000.0	9.000	L1	ON	9.6
0.717150	---	27.13	46.00	18.87	15000.0	9.000	N	ON	9.6
0.717150	34.79	---	56.00	21.21	15000.0	9.000	N	ON	9.6

Note: L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.

Annex B: Revised History

Version	Revised Content
V0	Initial

Annex C: Accreditation Certificate

Accredited Laboratory

A2LA has accredited

INDUSTRIAL INTERNET INNOVATION CENTER (SHANGHAI) CO., LTD.

Shanghai, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 20th day of September 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3682.01
Valid to February 28, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.