

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

EMC TEST REPORT

PRODUCT	Smart POS System
BRAND	SUNMI
MODEL	T6831
APPLICANT	Shanghai Sunmi Technology Co.,Ltd.
FCC ID	2AH25T6831
ISSUE DATE	June 7, 2024
STANDARD(S)	FCC Part 15, Subpart B, ANSI C63.4-2014

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CONTENTS

1	SUMMARY OF TEST REPORT	3
1.1	TEST STANDARD (S)	3
1.2	SUMMARY OF TEST RESULTS	3
2	GENERAL INFORMATION OF THE LABORATORY	5
2.1	TESTING LABORATORY	5
2.2	LABORATORY ENVIRONMENTAL REQUIREMENTS	5
2.3	PROJECT INFORMATION	5
3	GENERAL INFORMATION OF THE CUSTOMER	6
3.1	APPLICANT	6
3.2	MANUFACTURER	6
3.3	FACTORY	6
4	GENERAL INFORMATION OF THE PRODUCT	7
4.1	PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	7
4.2	DESCRIPTION FOR AUXILIARY EQUIPMENT (AE)	7
5	TEST CONFIGURATION INFORMATION	9
5.1	LABORATORY ENVIRONMENTAL CONDITIONS	9
5.2	DECISION OF FINAL TEST MODE	9
5.3	EUT SYSTEM OPERATION	11
5.4	EUT CONNECTION DIAGRAM OF TEST SYSTEM	11
5.5	TEST EQUIPMENT UTILIZED	12
5.6	MEASUREMENT UNCERTAINTY	12
6	TEST RESULTS	13
6.1	RADIATED EMISSION	13
6.2	CONDUCTED EMISSION	16
	ANNEX A: MEASUREMENT DATA	18
	ANNEX B: REVISED HISTORY	30
	ANNEX C: ACCREDITATION CERTIFICATE	31

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
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

No.	Item(s)	FCC Standard(s)	IC Standard(s)	Verdicts for Single Item	Detaied Results
NOTE: The T6831, manufactured by Shanghai Sunmi Technology Co.,Ltd. is a variant product for testing. This project is a variant project based on the original report 23T04I30131-EMC01-V01 with below changes:					
Type of Service	Model Name	Scanner	Rear Camera	Flash Lamp	LCD (Just different manufacturers)
Original (23T04I30131-EMC01-V01)	T6F10	Yes	5M AF+flash	Yes	SHENZHEN DJN PHOTOELECTRIC TECHNOLOGY CO., LTD 9A-3R067-7026A
Variant (24T04I300065-020)	T6831	NO	2M FF	NO	SHENZHEN DJN PHOTOELECTRIC TECHNOLOGY CO., LTD 98-31050-7084A S10aa (Mainly Supply)
					SHENZHEN DJN PHOTOELECTRIC TECHNOLOGY CO., LTD 98-31050-7084A-H S12aa (Secondary Supply)
					GUANGDONG SUPERVIEW OPTOELECTRONICS CO.,LTD. (G499BHA085A0) S16aa (Thirdly Supply)
According to the product change description and test plan, we retested it all, as shown in Section 5.3. There are three configurations S10aa (Mainly Supply), S12aa (Secondary Supply), S16aa (Thirdly Supply) in this project. We mainly tested the S10aa (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. 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.					

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	April 16, 2024 to May 17, 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	18826519551

3.2 Manufacturer

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505, No.388,Song Hu Road, Yang Pu District, Shanghai, China
Telephone	18826519551

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 POS System
Model	T6831
Date of Receipt	April 15, 2024
EUT ID*	S10aa (Mainly Supply), S12aa (Secondary Supply), S16aa (Thirdly Supply)
SN/IMEI	860104070000897/860104070005896 860104070001424/86010407006423 860104070002166/86010407007165
Supported Radio Technology and Bands	GSM850/GSM900/GSM1800/GSM1900 WCDMA Band I/II/IV/V/VI/VIII/XIX LTE Band 1/2/3/4/5/7/8/18/19/20/26/28/34/38/39/40/41 BT 5.0 BR/EDR/BLE WLAN 802.11b,g,n WLAN 802.11a,n,ac GPS/Galileo/GLONASS/BDS NFC
Hardware Version	V1.0
Software Version	V3.0.4
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	TPA-141A050200UU01	N/A
CD01	Adapter	UC13US	N/A
UA02	AC Cable	N/A	N/A
BA10	Battery	HPPA	Guangdong Highpower New Energy Technology Co., Ltd.
AE1	Notebook PC	DELL Latitude E6510	N/A
AE2	Desktop PC	OptiPlex 790 DT	X8RP1 A01 APCC
AE3	LAN Cable	N/A	N/A
AE4	VGA Cable	N/A	N/A
AE5	RS232 Cable	N/A	N/A

AE6	Keyboard	KB212-B	CN-0Y88XT-65890-12I-005Q-A00
AE7	Mouse	MS111-P	CN-011D3V-71581-19J-1A64
AE8	Monitor	Dell E1709Wc	N/A
AE9	Micro SD card	Kingston SDC4/4GB 77	N/A
AE10	Earphone	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:

S10aa (Mainly Supply)

Test Item	Test setup and operating modes
Radiated emission	30MHz-18GHz frequency range: Mode 1: LTE Band 2 receiver mode+ Back Camera+ CA01+ UA02+ BA10 Mode 2: LTE Band 2 receiver mode+ Back Camera+ CD01+ UA02+ BA10 Mode 3: GSM 1900 receiver mode+ Back Camera+ CA01+ UA09+ BA10 Mode 4: WCDMA BAND V receiver mode+ Back Camera+ CA01+ UA09+ BA10

	Mode 5: Print mode+ CA01+ UA09+ BA10 Mode 6: Front Camera+ CA01+ UA02+ BA10 Mode 7: GNSS mode+ CA01+ UA09+ BA10 Mode 8: Data Link mode+ UA09+ BA10
AC Conducted emission	Mode 1: LTE Band 2 receiver mode+ Back Camera+ CA01+ UA02+ BA10 Mode 2: LTE Band 2 receiver mode+ Back Camera+ CD01+ UA02+ BA10 Mode 3: GSM 1900 receiver mode+ Back Camera+ CA01+ UA09+ BA10 Mode 4: WCDMA BAND V receiver mode+ Back Camera+ CA01+ UA09+ BA10 Mode 5: Print mode+ CA01+ UA09+ BA10 Mode 6: Front Camera+ CA01+ UA02+ BA10 Mode 7: GNSS mode+ CA01+ UA09+ BA10 Mode 8: Data Link mode+ UA09+ BA10
Note: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. After laboratory verification, GSM 1900/WCDMA BAND V/LTE Band 2 is the worst mode among all receiving modes of 2G/3G/4G and is recorded in the report. 3. The worst case of radiated emission for 30MHz-1GHz is Mode 8 and for 1GHz -18GHz is Mode 8. 4. The worst case for conducted emission is mode 8.	

S12aa (Secondary Supply)

Test Item	Test setup and operating modes
Radiated emission	30MHz-18GHz frequency range: Mode 8: Data Link mode+ UA09+ BA10
AC Conducted emission	Mode 8: Data Link mode+ UA09+ BA10

S16aa (Thirdly Supply)

Test Item	Test setup and operating modes
Radiated emission	30MHz-18GHz frequency range: Mode 8: Data Link mode+ UA09+ BA10
AC Conducted emission	Mode 8: Data Link mode+ UA09+ BA10

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. Data Link mode means data application transferred mode between EUT and SD Card.
5. GNSS mode: EUT and GNSS simulator (SMBV100A) connection is established.

5.4 EUT Connection Diagram of Test System

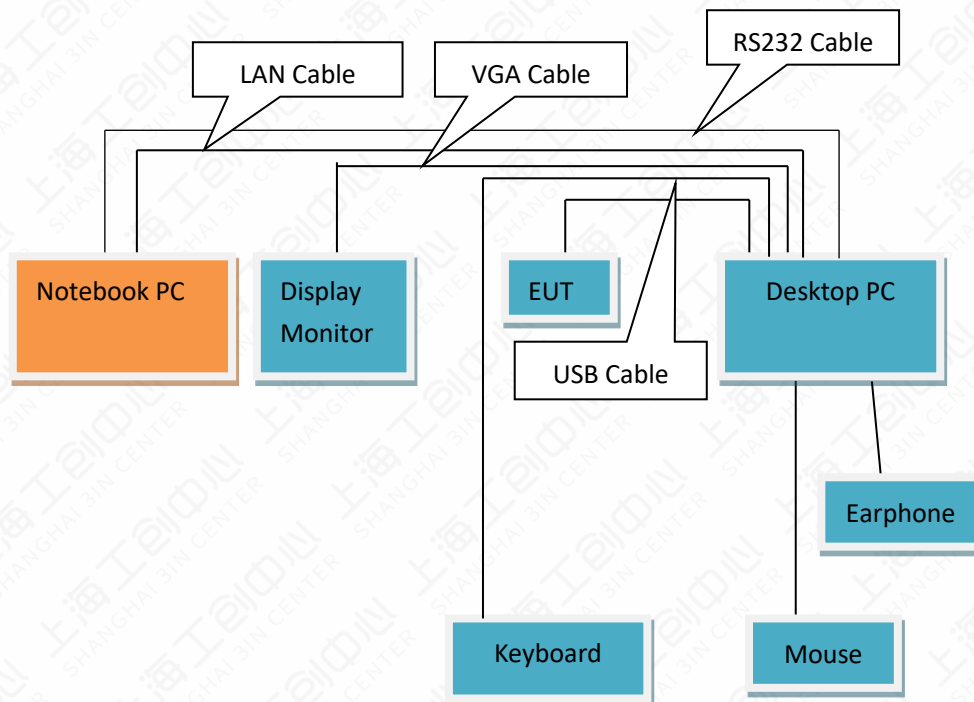


Figure 5.4-1 Mode 8

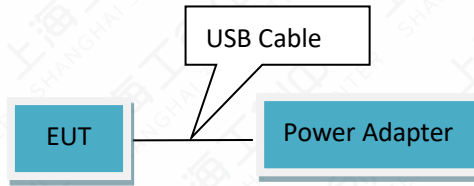


Figure 5.4-2 Mode 1-7

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	2023-06-23	1 year
3	Test Receiver	FSW43	101943	1.12	00	R&S	2023-08-31	1 year
4	Trilog Antenna	VULB9162	00426	N/A	N/A	Schwarzbeck	2023-07-18	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	Universal Radio Communication Tester	CMW500	104178	V3.7.20	1206.06 00.00	R&S	2023-10-17	1 year
10	Vector signal generator	SMBV100A	257904	N/A	N/A	R&S	2023-12-19	1 year
11	Preamplifier	SCU08F1	8320024	N/A	N/A	R&S	2023-10-16	1 year
12	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

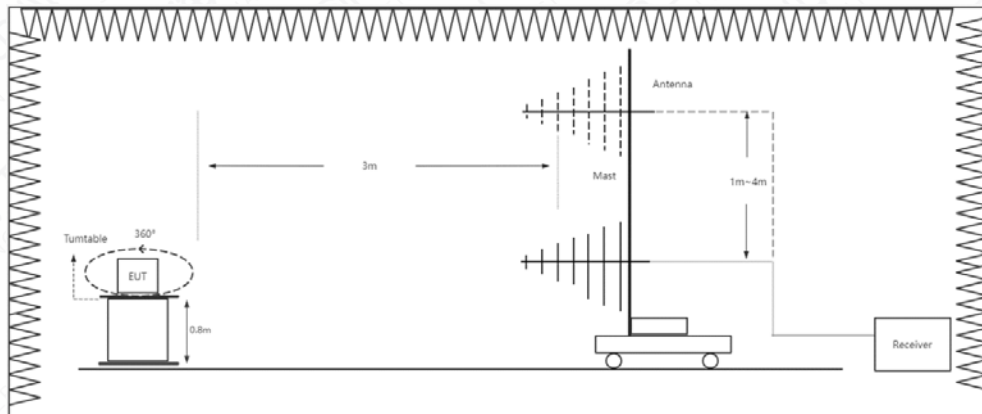


Figure 6.1.2-1 RE 30MHz-1GHz Connection Diagram

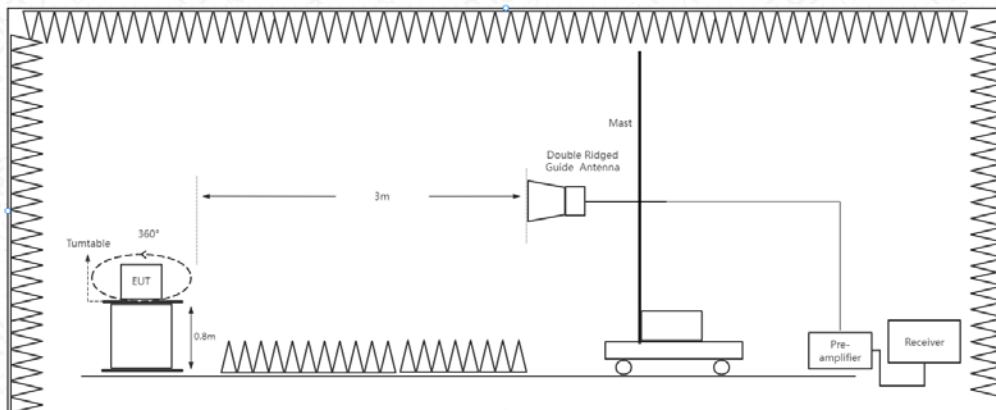


Figure 6.1.2-2 RE Above 1GHz Connection Diagram

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	21.2℃
Relative Humidity	62.2%RH
Atmospheric Pressure	101.0 kPa

6.1.6 Test Results

S10aa (Mainly Supply)

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 8: Data Link mode+ UA09+ BA10	30-1000	See Annex A.1-1	Pass
Mode 1: LTE Band 2 receiver mode+ Back Camera+ CA01+ UA02+ BA10	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			

S12aa (Secondary Supply)

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 8: Data Link mode+ UA09+ BA10	30-1000	See Annex A.1-4	Pass

Mode 1: LTE Band 2 receiver mode+ Back Camera+ CA01+ UA02+ BA10	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			

S16aa (Thirdly Supply)

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 8: Data Link mode+ UA09+ BA10	30-1000	See Annex A.1-7	Pass
Mode 1: LTE Band 2 receiver mode+ Back Camera+ CA01+ UA02+ BA10	1000-18000	See Annex A.1-8 &A.1-9	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

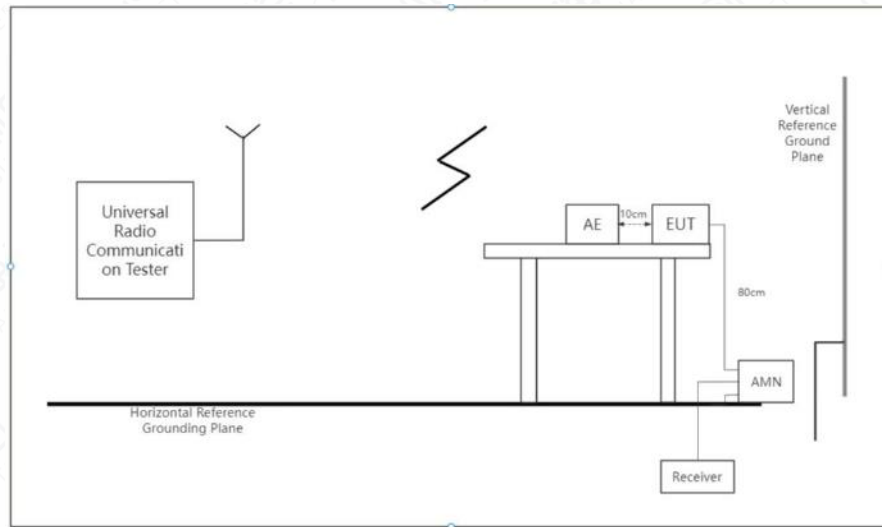


Figure 6.2.2-1 CE Connection Diagram

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	23.8℃
Relative Humidity	51.8%RH
Atmospheric Pressure	101.0kPa

6.2.6 Test Results

S10aa (Mainly Supply)

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 8: Data Link mode+ UA09+ BA10	0.15-30	See Annex A.2-1	Pass
NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

S12aa (Secondary Supply)

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 8: Data Link mode+ UA09+ BA10	0.15-30	See Annex A.2-2	Pass
NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

S16aa (Thirdly Supply)

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 8: Data Link mode+ UA09+ BA10	0.15-30	See Annex A.2-3	Pass
NOTE Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A			

Annex A: Measurement Data

A.1 Radiated Emission

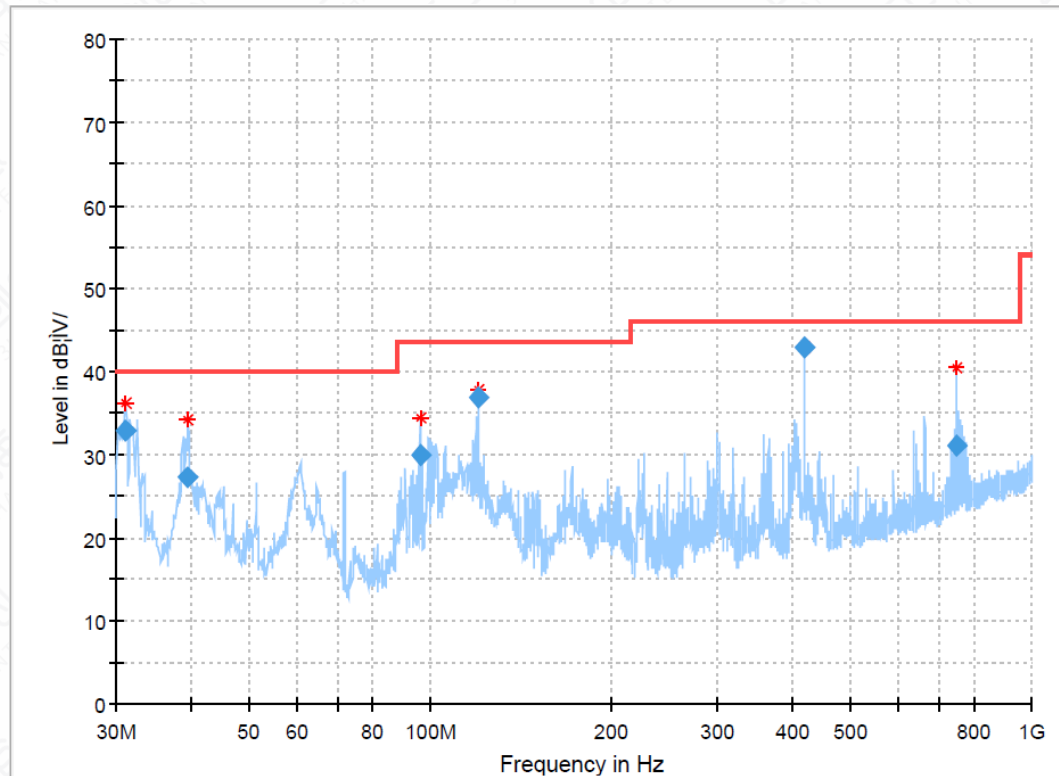


Figure A.1-1 Mode 8 (30M-1GHz) _ S10aa (Mainly Supply)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.210040	32.86	40.00	7.14	100.0	V	172.0	-16.0
39.556160	27.31	40.00	12.69	100.0	V	276.0	-13.3
95.973920	30.05	43.50	13.45	200.0	H	280.0	-13.6
120.003040	36.93	43.50	6.57	200.0	H	61.0	-15.2
417.787960	42.92	46.00	3.08	200.0	H	0.0	-6.7
751.001600	31.12	46.00	14.88	100.0	V	0.0	-0.4

Note:

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

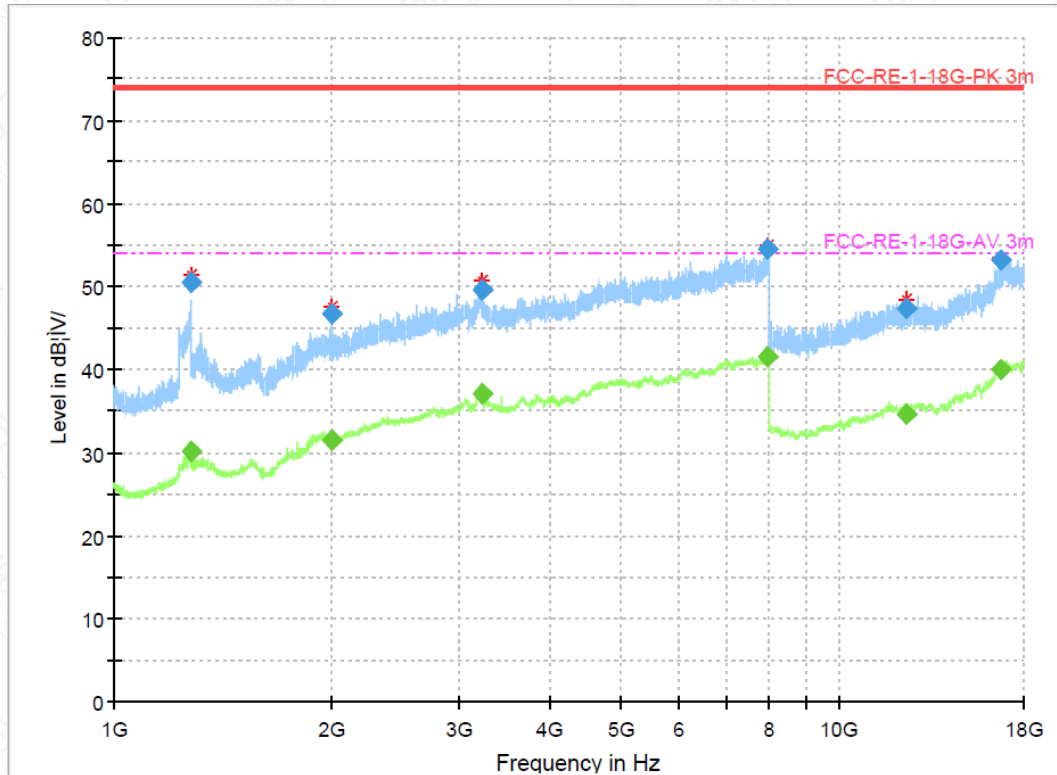


Figure A.1-2 Mode 1 (1GHz-18GHz)-H_S10aa (Mainly Supply)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1273.971250	---	30.17	54.00	23.83	115.0	H	329.0	2.1
1273.971250	50.41	---	74.00	23.59	115.0	H	329.0	2.1
1993.298750	---	31.49	54.00	22.51	115.0	H	160.0	6.4
1993.298750	46.64	---	74.00	27.36	115.0	H	160.0	6.4
3218.735000	---	36.98	54.00	17.02	115.0	H	337.0	13.7
3218.735000	49.56	---	74.00	24.44	115.0	H	337.0	13.7
7993.741250	---	41.47	54.00	12.53	103.0	H	354.0	21.3
7993.741250	54.59	---	74.00	19.41	103.0	H	354.0	21.3
12423.082500	47.37	---	74.00	26.63	105.0	H	52.0	15.0
12423.082500	---	34.73	54.00	19.27	105.0	H	52.0	15.0
16699.485000	53.14	---	74.00	20.86	115.0	H	249.0	21.7
16699.485000	---	40.11	54.00	13.89	115.0	H	249.0	21.7

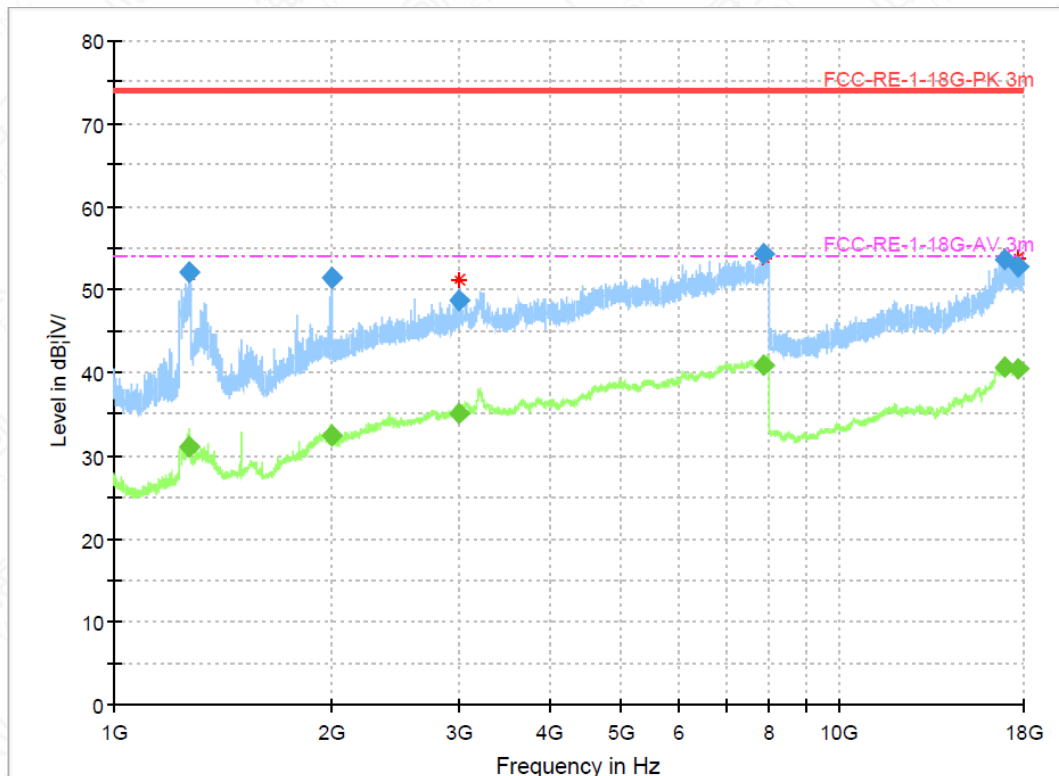


Figure A.1-3 Mode 1 (1GHz-18GHz)-V _ S10aa (Mainly Supply)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1270.378750	52.08	---	74.00	21.92	115.0	V	1.0	2.0
1270.378750	---	31.03	54.00	22.97	115.0	V	1.0	2.0
1995.863750	51.46	---	74.00	22.54	102.0	V	354.0	6.4
1995.863750	---	32.47	54.00	21.53	102.0	V	354.0	6.4
2997.646688	---	35.07	54.00	18.93	102.0	V	251.0	11.3
2997.646688	48.76	---	74.00	25.24	102.0	V	251.0	11.3
7859.701250	---	40.84	54.00	13.16	115.0	V	0.0	20.8
7859.701250	54.27	---	74.00	19.73	115.0	V	0.0	20.8
16937.475000	53.59	---	74.00	20.41	115.0	V	0.0	22.0
16937.475000	---	40.64	54.00	13.36	115.0	V	0.0	22.0
17722.946250	52.84	---	74.00	21.16	102.0	V	64.0	22.4
17722.946250	---	40.38	54.00	13.62	102.0	V	64.0	22.4

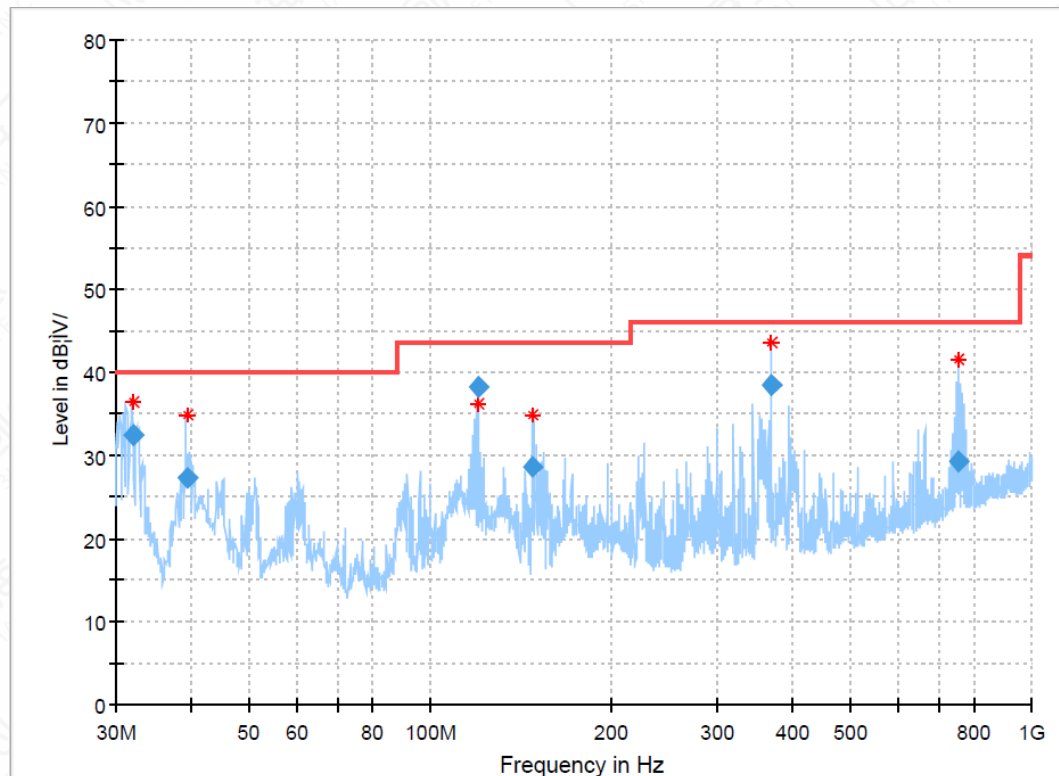


Figure A.1-4 Mode 8 (30M-1GHz) _ S12aa (Secondary Supply)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.945640	32.42	40.00	7.58	100.0	V	170.0	-15.9
39.375640	27.24	40.00	12.76	100.0	V	146.0	-13.3
119.990160	38.27	43.50	5.23	200.0	H	261.0	-15.2
148.325920	28.57	43.50	14.93	200.0	H	344.0	-16.2
368.628920	38.38	46.00	7.62	200.0	H	319.0	-7.9
754.588560	29.38	46.00	16.62	100.0	V	355.0	-0.4

Note:

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

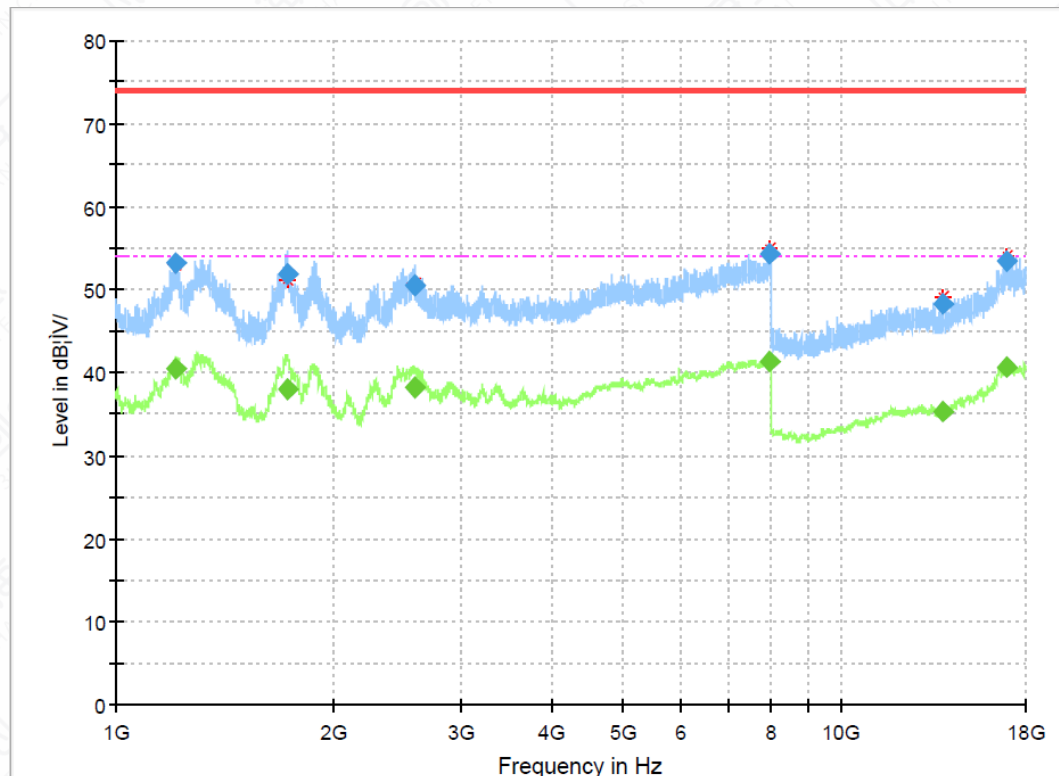


Figure A.1-5 Mode 1 (1GHz-18GHz)-H _ S12aa (Secondary Supply)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1208.150000	---	40.47	54.00	13.53	100.0	H	287.0	0.7
1208.150000	53.20	---	74.00	20.80	100.0	H	287.0	0.7
1721.333750	---	37.98	54.00	16.02	100.0	H	287.0	4.0
1721.333750	51.86	---	74.00	22.14	100.0	H	287.0	4.0
2590.472500	50.52	---	74.00	23.48	100.0	H	230.0	9.4
2590.472500	---	38.13	54.00	15.87	100.0	H	230.0	9.4
7978.471250	54.34	---	74.00	19.66	115.0	H	12.0	21.2
7978.471250	---	41.44	54.00	12.56	115.0	H	12.0	21.2
13874.636250	48.19	---	74.00	25.81	100.0	H	292.0	16.4
13874.636250	---	35.40	54.00	18.60	100.0	H	292.0	16.4
16896.163750	53.44	---	74.00	20.56	115.0	H	347.0	22.0
16896.163750	---	40.72	54.00	13.28	115.0	H	347.0	22.0

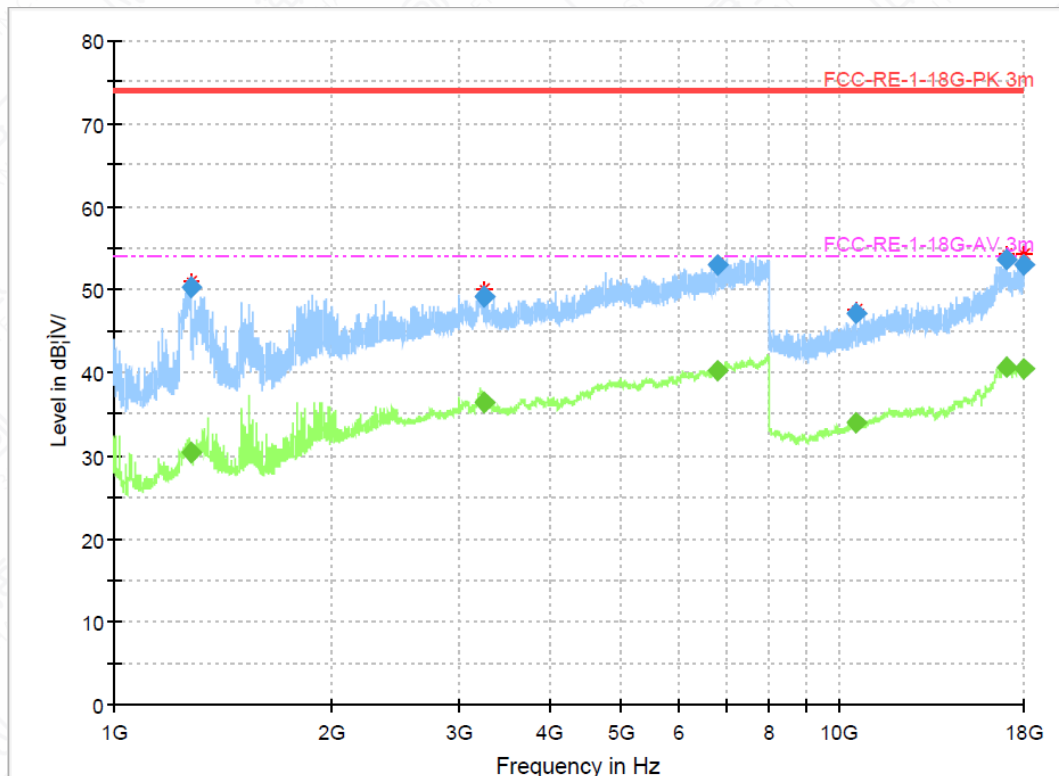


Figure A.1-6 Mode 1 (1GHz-18GHz)-V _ S12aa (Secondary Supply)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1274.643750	50.33	---	74.00	23.67	115.0	V	21.0	2.1
1274.643750	---	30.41	54.00	23.59	115.0	V	21.0	2.1
3236.091250	49.14	---	74.00	24.86	102.0	V	181.0	13.0
3236.091250	---	36.52	54.00	17.48	102.0	V	181.0	13.0
6813.475000	52.98	---	74.00	21.02	115.0	V	0.0	18.9
6813.475000	---	40.11	54.00	13.89	115.0	V	0.0	18.9
10555.645000	---	34.06	54.00	19.94	102.0	V	24.0	10.6
10555.645000	47.24	---	74.00	26.76	102.0	V	24.0	10.6
16986.420000	53.65	---	74.00	20.35	115.0	V	1.0	21.9
16986.420000	---	40.58	54.00	13.42	115.0	V	1.0	21.9
17975.516250	---	40.53	54.00	13.47	115.0	V	295.0	22.8
17975.516250	53.06	---	74.00	20.94	115.0	V	295.0	22.8

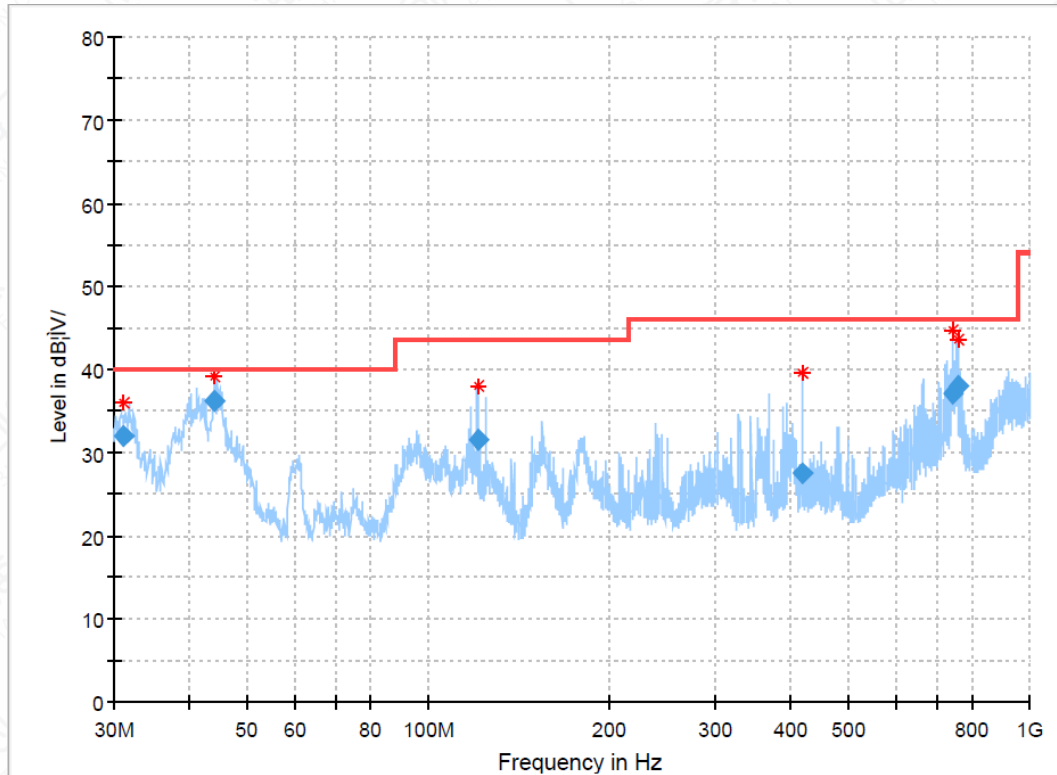


Figure A.1-7 Mode 8 (30M-1GHz) _ S16aa (Thirdly Supply)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.194840	31.95	40.00	8.05	100.0	V	207.0	-16.0
44.060000	36.27	40.00	3.73	100.0	V	19.0	-11.7
120.743440	31.62	43.50	11.88	100.0	H	245.0	-15.3
417.758440	27.44	46.00	18.56	200.0	H	354.0	-6.7
744.865520	37.05	46.00	8.95	100.0	V	350.0	-0.4
759.314840	38.04	46.00	7.96	100.0	V	338.0	-0.2

Note:

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

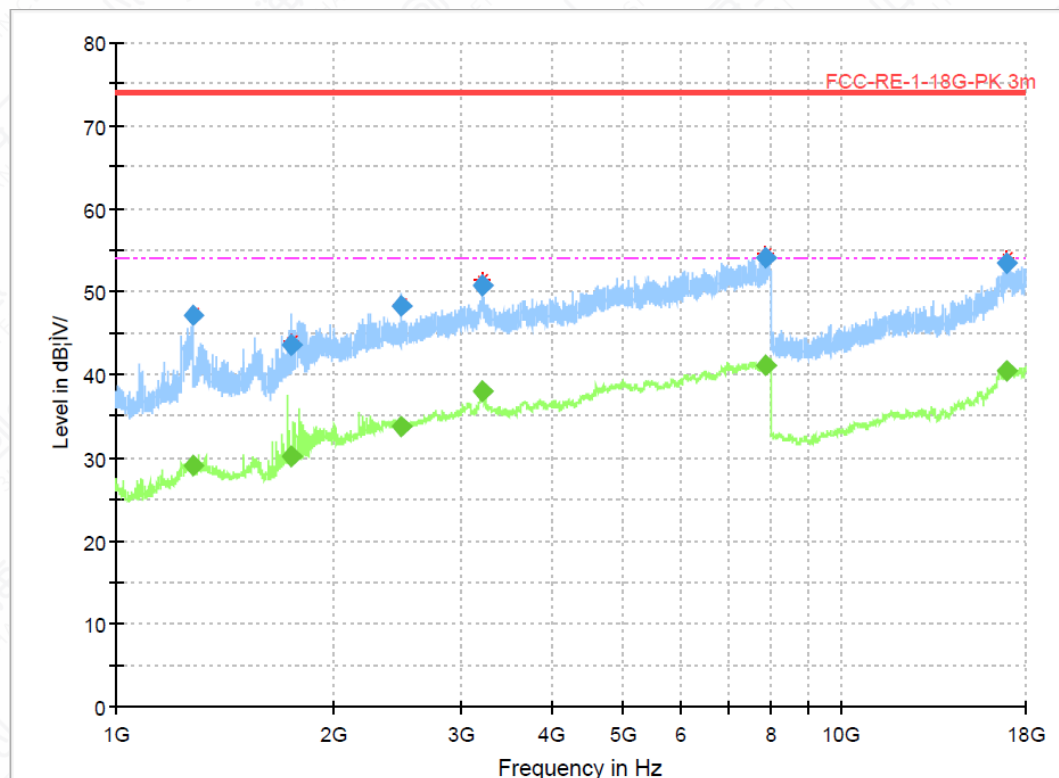


Figure A.1-8 Mode 1 (1GHz-18GHz)-H _ S16aa (Thirdly Supply)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1274.937500	47.11	---	74.00	26.89	100.0	H	102.0	2.1
1274.937500	---	29.04	54.00	24.96	100.0	H	102.0	2.1
1744.102500	---	30.07	54.00	23.94	106.0	H	0.0	4.2
1744.102500	43.63	---	74.00	30.37	106.0	H	0.0	4.2
2482.511250	---	33.80	54.00	20.20	103.0	H	0.0	9.0
2482.511250	48.31	---	74.00	25.69	103.0	H	0.0	9.0
3201.780000	---	37.98	54.00	16.02	100.0	H	358.0	14.4
3201.780000	50.65	---	74.00	23.35	100.0	H	358.0	14.4
7860.487500	---	41.09	54.00	12.91	115.0	H	358.0	20.8
7860.487500	54.00	---	74.00	20.00	115.0	H	358.0	20.8
16946.970000	53.34	---	74.00	20.66	103.0	H	3.0	22.0
16946.970000	---	40.52	54.00	13.48	103.0	H	3.0	22.0

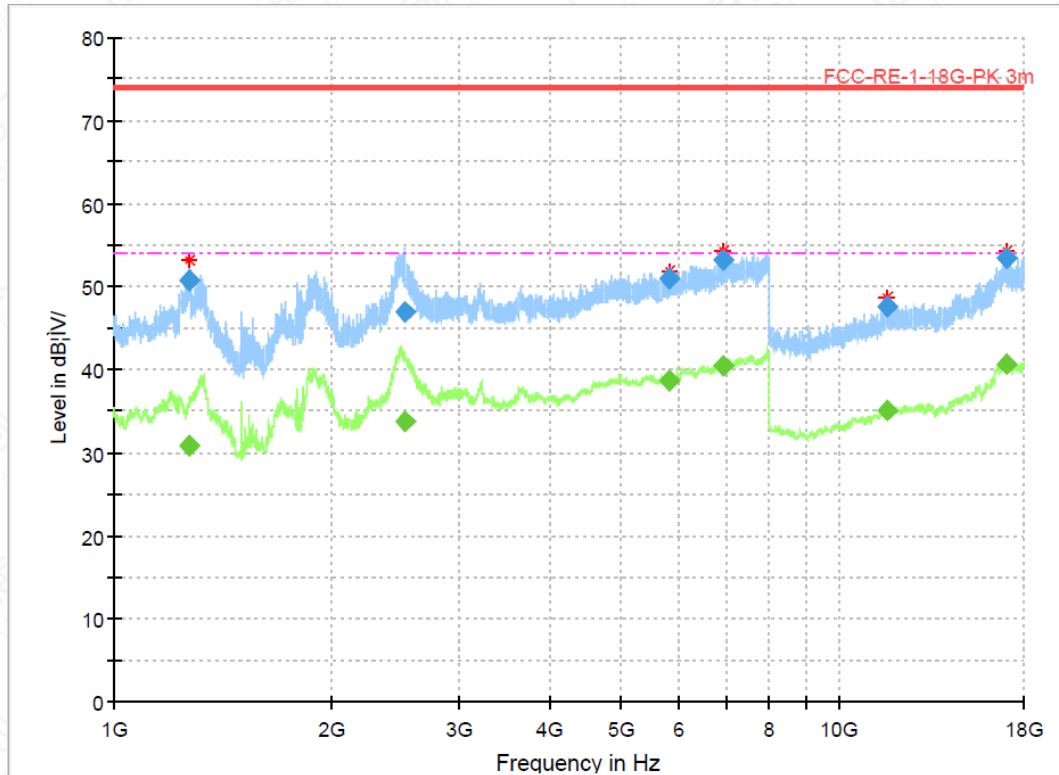


Figure A.1-9 Mode 1 (1GHz-18GHz)-V _ S16aa (Thirdly Supply)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1271.950000	50.79	---	74.00	23.21	100.0	V	0.0	2.0
1271.950000	---	30.87	54.00	23.13	100.0	V	0.0	2.0
2525.222500	47.00	---	74.00	27.00	103.0	V	215.0	9.2
2525.222500	---	33.83	54.00	20.17	103.0	V	215.0	9.2
5818.905000	50.85	---	74.00	23.15	102.0	V	0.0	17.0
5818.905000	---	38.60	54.00	15.40	102.0	V	0.0	17.0
6940.766250	---	40.42	54.00	13.58	115.0	V	7.0	19.6
6940.766250	53.28	---	74.00	20.72	115.0	V	7.0	19.6
11636.400000	---	34.97	54.00	19.03	115.0	V	130.0	13.3
11636.400000	47.53	---	74.00	26.47	115.0	V	130.0	13.3
17069.908750	53.41	---	74.00	20.59	115.0	V	0.0	21.9
17069.908750	---	40.70	54.00	13.30	115.0	V	0.0	21.9

A.2 Conducted Emission

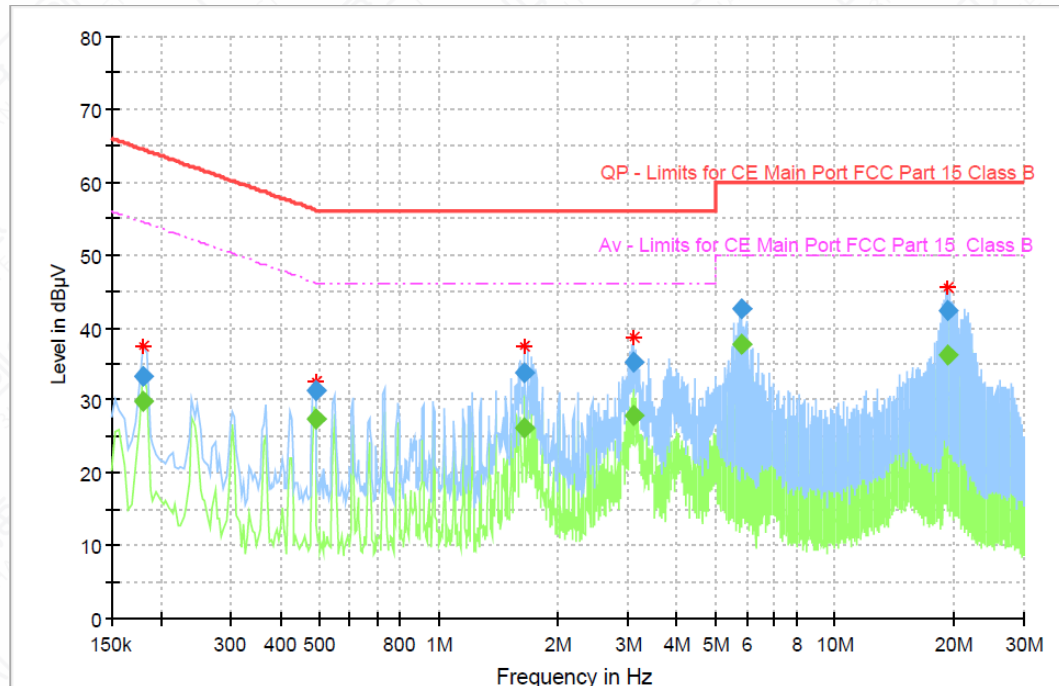


Figure A.2-1 Mode 8 (150kHz-30MHz) _ S10aa (Mainly Supply)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.179850	---	29.76	54.49	24.73	15000.0	9.000	L1	ON	9.6
0.179850	33.17	---	64.49	31.32	15000.0	9.000	L1	ON	9.6
0.489544	---	27.39	46.18	18.79	15000.0	9.000	L1	ON	9.6
0.489544	31.26	---	56.18	24.91	15000.0	9.000	L1	ON	9.6
1.649963	---	26.26	46.00	19.74	15000.0	9.000	N	ON	9.6
1.649963	33.75	---	56.00	22.25	15000.0	9.000	N	ON	9.6
3.108881	---	27.99	46.00	18.01	15000.0	9.000	N	ON	9.6
3.108881	35.27	---	56.00	20.73	15000.0	9.000	N	ON	9.6
5.795381	---	37.79	50.00	12.21	15000.0	9.000	N	ON	9.7
5.795381	42.52	---	60.00	17.48	15000.0	9.000	N	ON	9.7
19.212956	---	36.28	50.00	13.72	15000.0	9.000	N	ON	10.0
19.212956	42.44	---	60.00	17.56	15000.0	9.000	N	ON	10.0

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

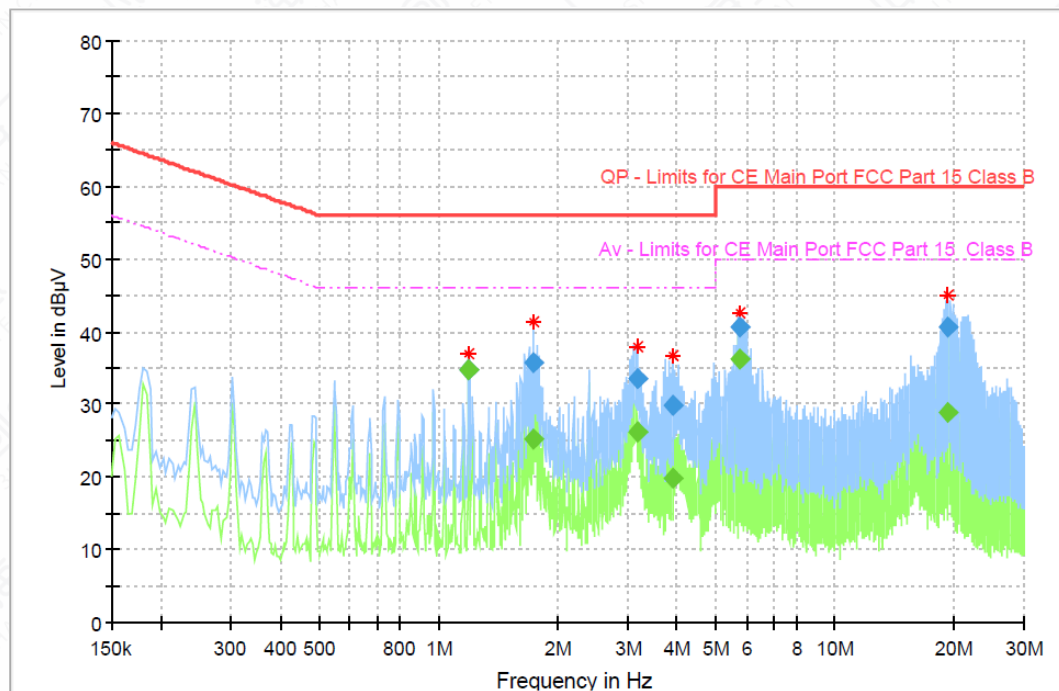


Figure A.2-2 Mode 8 (150kHz-30MHz) _ S12aa (Secondary Supply)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
1.194750	---	34.70	46.00	11.30	15000.0	9.000	L1	ON	9.6
1.194750	34.85	---	56.00	21.15	15000.0	9.000	L1	ON	9.6
1.735781	---	25.16	46.00	20.84	15000.0	9.000	L1	ON	9.6
1.735781	35.72	---	56.00	20.28	15000.0	9.000	L1	ON	9.6
3.164850	---	26.11	46.00	19.89	15000.0	9.000	L1	ON	9.6
3.164850	33.62	---	56.00	22.38	15000.0	9.000	L1	ON	9.6
3.884981	---	19.80	46.00	26.20	15000.0	9.000	L1	ON	9.7
3.884981	29.84	---	56.00	26.16	15000.0	9.000	L1	ON	9.7
5.731950	40.56	---	60.00	19.44	15000.0	9.000	N	ON	9.7
5.731950	---	36.10	50.00	13.90	15000.0	9.000	N	ON	9.7
19.283850	40.53	---	60.00	19.47	15000.0	9.000	L1	ON	10.0
19.283850	---	28.90	50.00	21.10	15000.0	9.000	L1	ON	10.0

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

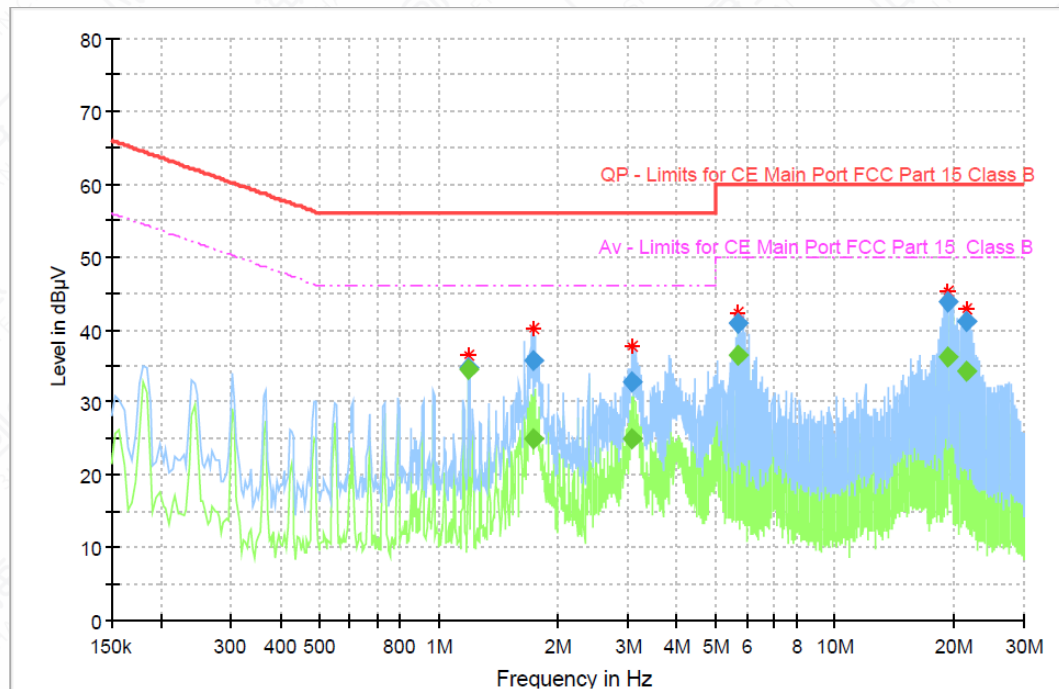


Figure A.2-3 Mode 8 (150kHz-30MHz) _ S16aa (Thirdly Supply)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
1.194750	---	34.49	46.00	11.51	15000.0	9.000	L1	ON	9.6
1.194750	34.68	---	56.00	21.32	15000.0	9.000	L1	ON	9.6
1.728319	---	24.90	46.00	21.10	15000.0	9.000	N	ON	9.6
1.728319	35.75	---	56.00	20.25	15000.0	9.000	N	ON	9.6
3.071569	---	24.85	46.00	21.15	15000.0	9.000	L1	ON	9.6
3.071569	32.89	---	56.00	23.11	15000.0	9.000	L1	ON	9.6
5.672250	---	36.55	50.00	13.45	15000.0	9.000	N	ON	9.7
5.672250	40.81	---	60.00	19.19	15000.0	9.000	N	ON	9.7
19.280119	---	36.11	50.00	13.89	15000.0	9.000	L1	ON	10.0
19.280119	43.80	---	60.00	16.20	15000.0	9.000	L1	ON	10.0
21.414394	---	34.14	50.00	15.86	15000.0	9.000	L1	ON	10.0
21.414394	40.98	---	60.00	19.02	15000.0	9.000	L1	ON	10.0

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

