TEST REPORT

No. I18D00221-EMC01

For

Client :	**Shanghai Sunmi Technology Co.,Ltd.**
Production:	**Smart counter scale**
Model Name :	**ACS-L2501,ACS-L2502,ACS-2503**
Brand Name:	**SUNMI**
FCC ID:	**2AH25S2**
Hardware Version:	**V1.03**
Software Version:	**MS64FF_EQ000_2EE0.075FE5C.9530762_180914_100_V01_T27, MS64FH_EQ000_2EE0.484ED16.9530762_180918_100_V01_T09**
Issued date:	**2019-01-30**

NOTE

1. The test results in this test report relate only to the devices specified in this report.
2. This report shall not be reproduced except in full without the written approval of East China Institute of Telecommunications.
3. The measurement uncertainty is not taken into account when deciding conformity, and the results of measurement (or the average of measurement results) are directly used as the criterion for the stating conformity.

Test Laboratory:
East China Institute of Telecommunications
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Revision Version

Report Number	Revision	Date	Memo
I18D00221-EMC01	00	2019-01-30	Initial creation of test report

CONTENTS

1. Test Laboratory

1.1. Testing Location

Company Name:	ECIT Shanghai, East China Institute of Telecommunications
Address:	7-8F, G Area, No. 668, Beijing East Road, Huangpu District, Shanghai, P. R. China
Postal Code:	200001
Telephone:	(+86)-021-63843300
Fax:	(+86)-021-63843301
FCC registration No:	958356

1.2. Testing Environment

Normal Temperature:	15-35℃
Relative Humidity:	30-60% RH
Supply Voltage	120V/60Hz

1.3. Project data

Project Leader:	Chen Minfei
Testing Start Date:	2018-11-18
Testing End Date:	2019-01-09

1.4. Signature

Qin Yabin
(Prepared this test report)

You Jinjun
(Reviewed this test report)

Zheng Zhongbin
(Approved this test report)

1.5. Client Information

1.6. Applicant Information

Company Name:	Shanghai Sunmi Technology Co.,Ltd.
Address :	4 Place Amédée Bonnet, 69002 Lyon, France
Telephone:	18721763396
Postcode:	200433

1.7. Manufacturer Information

Company Name:	Shanghai Sunmi Technology Co.,Ltd.
Address :	4 Place Amédée Bonnet, 69002 Lyon, France
Telephone:	18721763396
Postcode:	200433

2. Equipment under Test (EUT) and Ancillary Equipment (AE)

2.1. About EUT

EUT Description	Smart counter scale
Model name	ACS-L2501,ACS-L2502,ACS-L2503
Additional Communication Function	BT2.1,3.0,4.0,BLE;WiFi 802.11a,b,g,n;

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N02 (ACS-L2503)	S203D89A0 0004	V1.03	MS64FF_EQ000_2EE 0.075FE5C.9530762_1809 14_100_V01_T27	2018-11-16
N03 (ACS-L2502)	S202D86S0 0009	V1.03	MS64FH_EQ000_2EE 0.484ED16.9530762_1809 18_100_V01_T09	2018-11-16
N01 (ACS-L2501)	S201D88P0 0161	V1.03	MS64FF_EQ000_2EE 0.075FE5C.9530762_1809 14_100_V01_T27	2018-11-16

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Model	SN
CA01	Adapter	CYSE65-240250	/
UA01	AC Power Line	/	/
EA02	IOIOI Cable	/	/
AE1	USB Cable	/	/
AE2	LAN Cable	/	/
AE3	Cash Box	/	/
AE4	Keyboard	KB212-B	CN-0Y88XT-65890-12I-005Q -A00
AE5	Mouse	MS111-P	CN-011D3V-71581-19J-1A64
AE6	Notebook PC	DELL Latitude E6510	/
AE7	SanDisk Ultra32GB	Micro SDHC UHS-I	/
AE8	U disk	DT101 G2	/
AE9	Earphone	/	/
AE10	RS 232 Cable	/	/

*AE ID: is used to identify the test sample in the lab internally.

4. Reference Documents

4.1 Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices	10-1-17 Edition
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	2014

5. Test Results

5.1 Summary of Test Results

Items	Test List	Clause in FCC rules	Verdict
1	Radiated Emission	15.109(a)	Pass
2	AC Conducted Emission	15.107(a)	Pass

5.2 Statements

The ACS-L2501,ACS-L2502,ACS-L2503, supporting BT/WLAN.etc, manufactured by Shanghai Sunmi Technology Co.,Ltd. is a new product for testing. ECIT only performed test cases which identified with Pass/Fail/Inc result in section 5.1.

ECIT has verified that the compliance of the tested device specified in section 3 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 4 of this test report.

Note: This project has 3 configured sample N02(ACS-L2503),N03(ACS-L2502),N01(ACS-L2501), and we mainly tested model N02. N03 and N01 configure the sample to test the worst mode of N02.

6. Test Equipment Utilized

6.1 Radiated Emission Equipment list

No.	Name	Type	Series Number	Producer	Cal. Date	Cal. interval
1	Universal Radio Communication	CMU200	123126	R&S	2018-05-11	1 Year
2	Test Receiver	ESU40	100307	R&S	2018-05-11	1 Year
3	Trilog Antenna	VULB9163	VULB9163-515	Schwarzbeck	2017-02-25	3 Year
4	Double Ridged Guide	ETS-3117	00135885	ETS	2017-01-11	3 Year
5	EMI Test Software	EMC32 V9.15	NA	R&S	NA	NA

6.1 AC Conducted Emission Equipment list

No.	Name	Type	Series Number	Producer	Cal. Date	Cal. interval
1	Universal Radio	CMU200	123123	R&S	2018-05-11	1 Year
2	Test Receiver	ESCI	101235	R&S	2018-05-11	1 Year
3	2-Line V-Network	ENV216	101380	R&S	2018-05-11	1 Year
4	EMI Test Software	EMC32 V10.35.02	NA	R&S	NA	NA

7. System Configuration during Test

7.1 Test Mode

N02 Sample:

Test Item	Function Type
AC Conducted Emission	Mode 1: Full system_working mode
Radiated Emission	Mode 1: Full system_working mode
Remark: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. The full system include LAN cable, cash box, keyboard, mouse, earphone, data link, pinter, weigh in, U disk and note PC.	

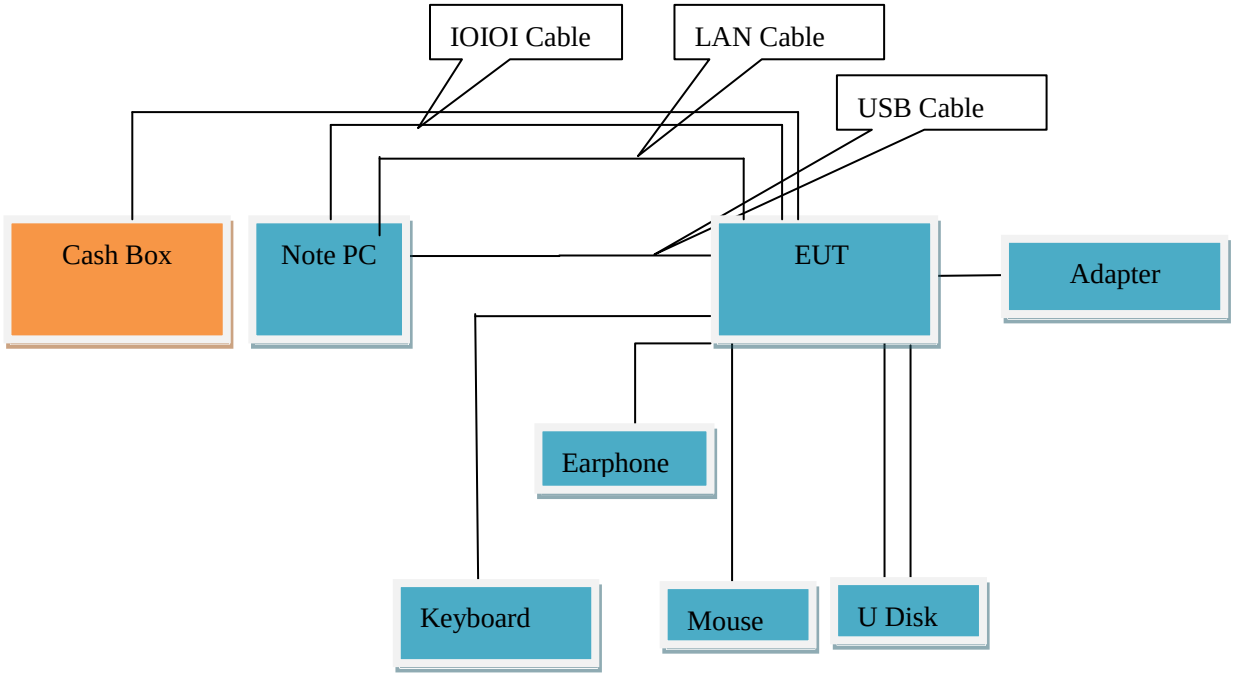
N03 Sample:

Test Item	Function Type
AC Conducted Emission	Mode 1: Full system_working mode
Radiated Emission	Mode 1: Full system_working mode
Remark: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. The full system include LAN cable, cash box, keyboard, mouse, earphone, data link, pinter, weigh in, U disk and note PC.	

N01 Sample:

Test Item	Function Type
AC Conducted Emission	Mode 1: Full system_working mode
Radiated Emission	Mode 1: Full system_working mode
Remark: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. The full system include LAN cable, cash box, keyboard, mouse, earphone, data link, pinter, weigh in, U disk and note PC.	

7.2 Connection Diagram of Test System



<Figure 1>Mode 1

8. Measurement Results

Only the worst test result was shown in this report.

8.1 Radiated Emission 30MHz-18GHz

Method of Measurement

For 30MHz -1000MHz, the EUT was placed on the top of a rotating 0.8-m 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. Tested in accordance with the procedures of ANSI C63.4-2014, section 8.3.

For 1000MHz -18000MHz,The maximal emission value was acquired by adjusting the antenna height, The table was rotated 360 degree to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.

Limits for Radiated Emission at a measuring distance of 3m

Frequency Range (MHz)	Quasi-Peak (dBuV/m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

Frequency Range (MHz)	Peak (dBuV/m)	Average (dBuV/m)
Above 1000	74	54

Test conditions

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

Uncertainty Measurement

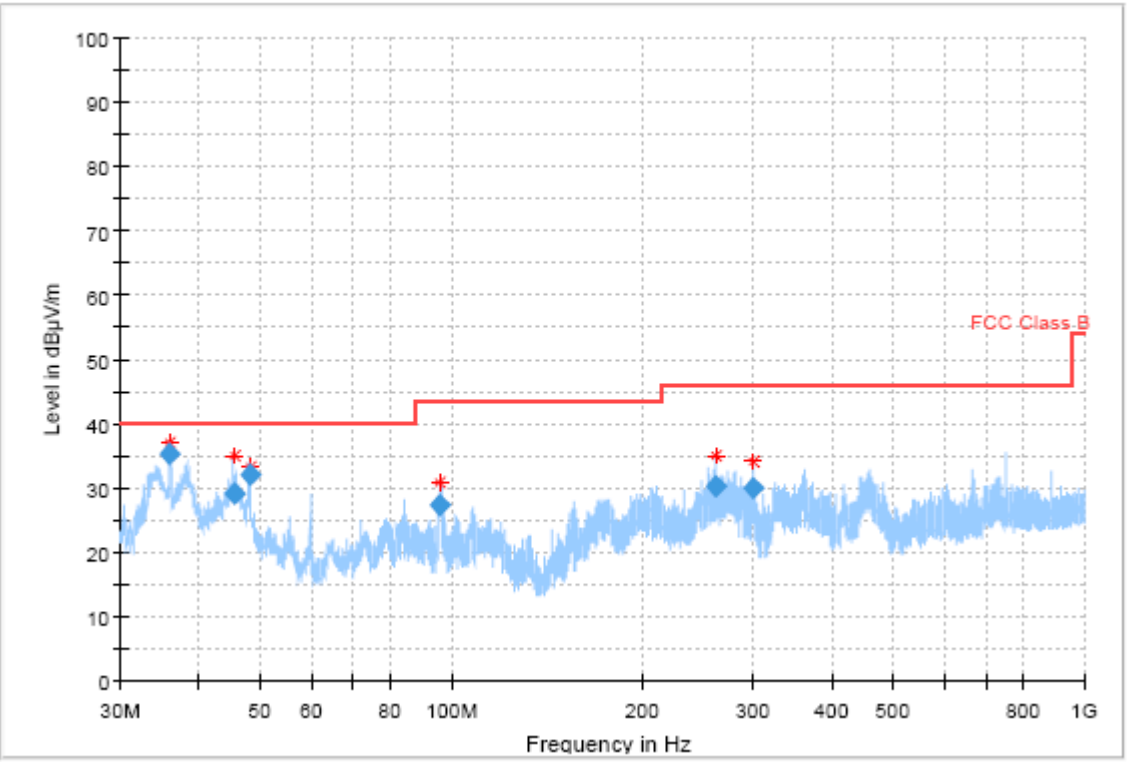
The measurement uncertainty (30MHz-1000MHz) is 4.98 dB (k=2).

The measurement uncertainty (1000MHz-18000MHz) is 5.06 dB (k=2).

Test Results

N02: Mode 1: Full system_working mode

Frequency Range:	30MHz – 1GHz



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.989797	35.17	40.00	4.83	1000.0	120.000	100.0	V	356.0	-21.8
45.311829	29.03	40.00	10.97	1000.0	120.000	100.0	V	-18.0	-20.3
48.005053	32.16	40.00	7.84	1000.0	120.000	100.0	V	40.0	-20.1
95.992861	27.31	43.50	16.19	1000.0	120.000	99.0	V	144.0	-24.2
260.859843	30.40	46.00	15.60	1000.0	120.000	105.0	H	135.0	-23.0
300.014995	29.99	46.00	16.01	1000.0	120.000	196.0	H	50.0	-22.0

Note:

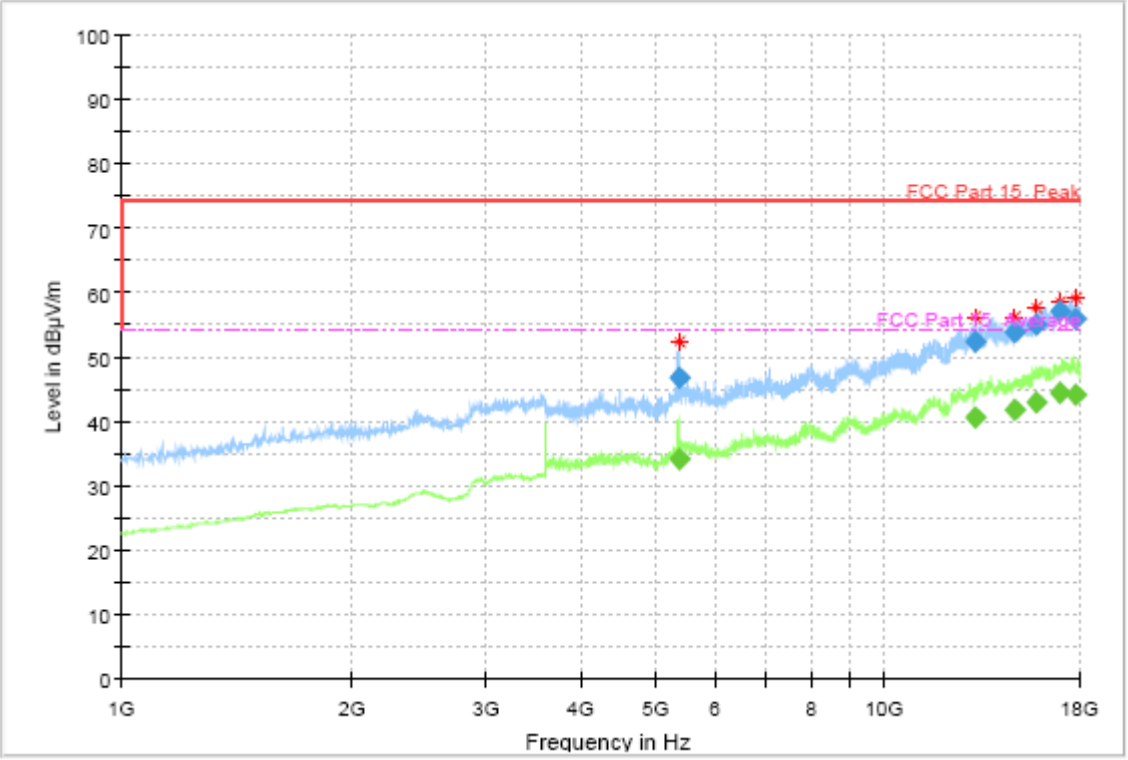
1.Emission level(QP)=Raw value by receiver + Corr(Antenna factor + cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

N02: Mode 1: Full system_working mode

Frequency Range:	1GHz –18GHz



Final Result

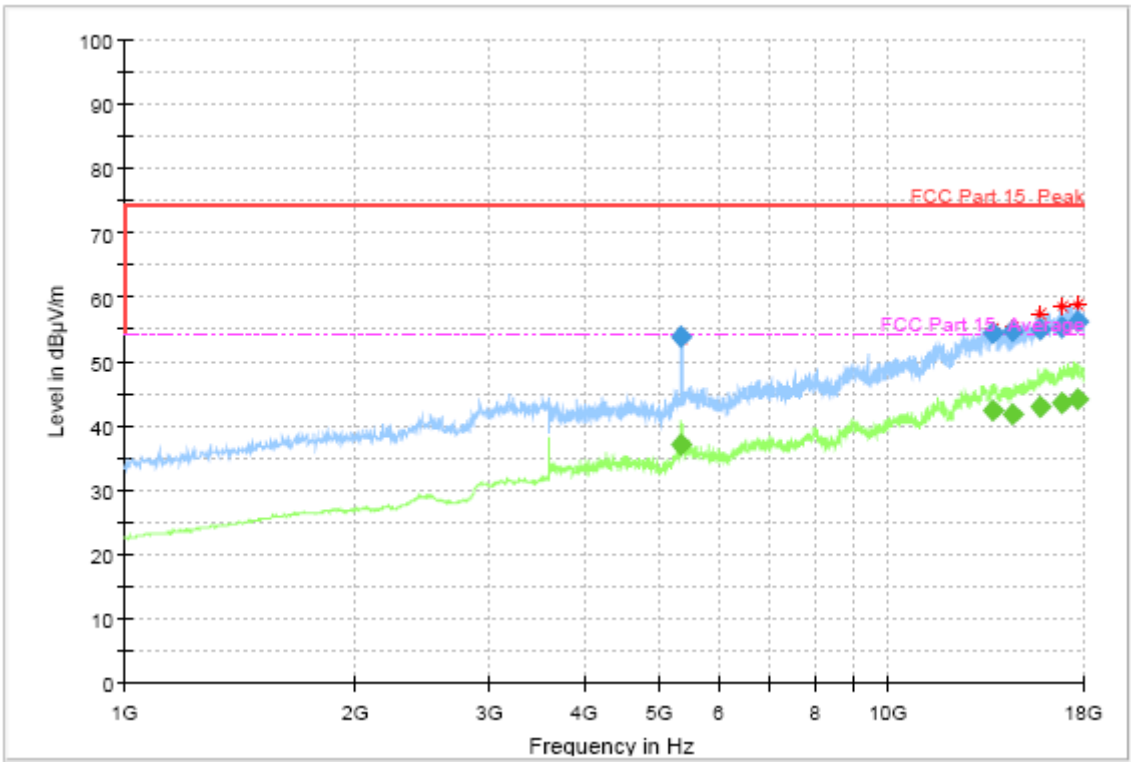
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
5371.400000	---	34.18	54.00	19.82	100.0	1000.000	200.0	H	339.0
5371.400000	46.71	---	74.00	27.29	100.0	1000.000	200.0	H	339.0
13161.000000	---	40.68	54.00	13.32	100.0	1000.000	200.0	H	339.0
13161.000000	52.36	---	74.00	21.64	100.0	1000.000	200.0	H	339.0
14803.600000	---	41.75	54.00	12.25	100.0	1000.000	100.0	H	230.0
14803.600000	53.74	---	74.00	20.26	100.0	1000.000	100.0	H	230.0
15769.000000	55.08	---	74.00	18.92	100.0	1000.000	198.0	H	0.0
15769.000000	---	42.97	54.00	11.03	100.0	1000.000	198.0	H	0.0
16953.600000	56.92	---	74.00	17.08	100.0	1000.000	100.0	H	230.0
16953.600000	---	44.39	54.00	9.61	100.0	1000.000	100.0	H	230.0
17820.000000	---	44.00	54.00	10.00	100.0	1000.000	198.0	H	23.0
17820.000000	55.82	---	74.00	18.18	100.0	1000.000	198.0	H	23.0

Note:

1.Emission level(peak or average)=Raw value by receiver + Corr(Antenna factor+ cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
5362.200000	53.90	---	74.00	20.10	100.0	1000.000	100.0	V	232.0
5362.200000	---	36.93	54.00	17.07	100.0	1000.000	100.0	V	232.0
13675.800000	54.41	---	74.00	19.59	100.0	1000.000	200.0	V	194.0
13675.800000	---	42.26	54.00	11.74	100.0	1000.000	200.0	V	194.0
14565.400000	54.64	---	74.00	19.36	100.0	1000.000	100.0	V	149.0
14565.400000	---	41.90	54.00	12.10	100.0	1000.000	100.0	V	149.0
15824.200000	55.12	---	74.00	18.88	100.0	1000.000	100.0	V	0.0
15824.200000	---	42.81	54.00	11.19	100.0	1000.000	100.0	V	0.0
16812.400000	---	43.49	54.00	10.51	100.0	1000.000	200.0	V	236.0
16812.400000	55.22	---	74.00	18.78	100.0	1000.000	200.0	V	236.0
17711.200000	---	44.17	54.00	9.83	100.0	1000.000	200.0	V	330.0
17711.200000	56.15	---	74.00	17.85	100.0	1000.000	200.0	V	330.0

Note:

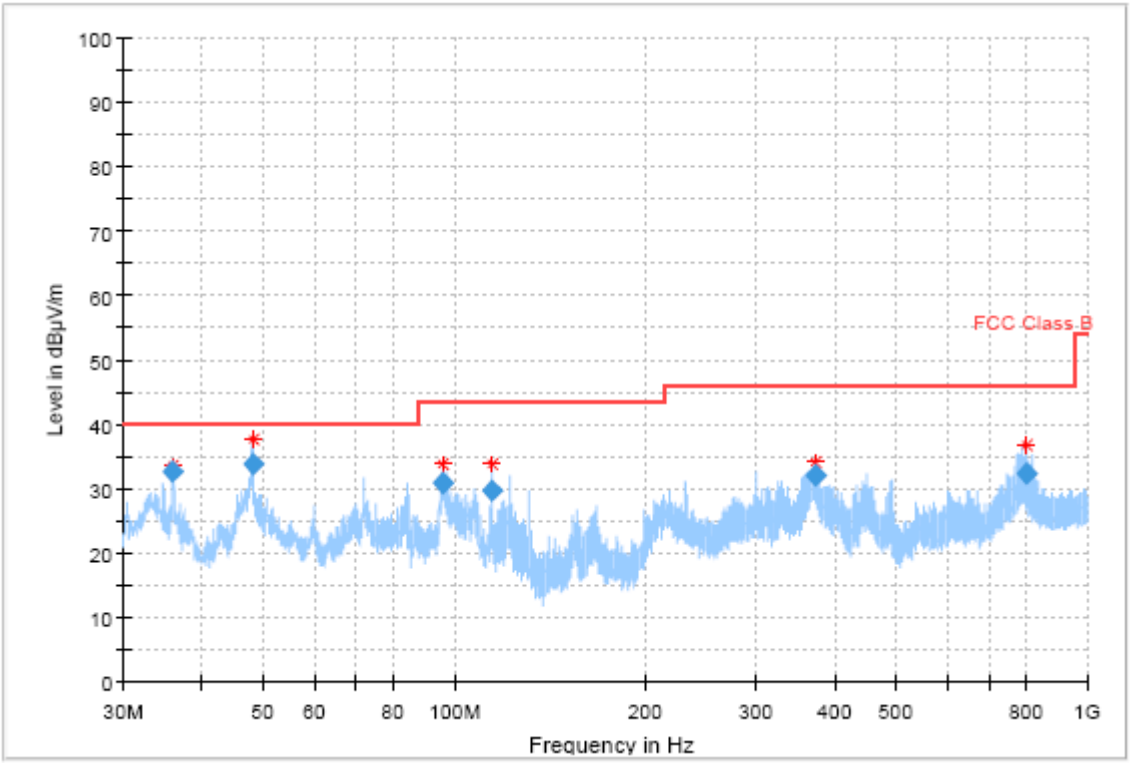
1.Emission level(peak or average)=Raw value by receiver + Corr(Antenna factor+ cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

N03: Mode 1: Full system_working mode

Frequency Range:	30MHz – 1GHz

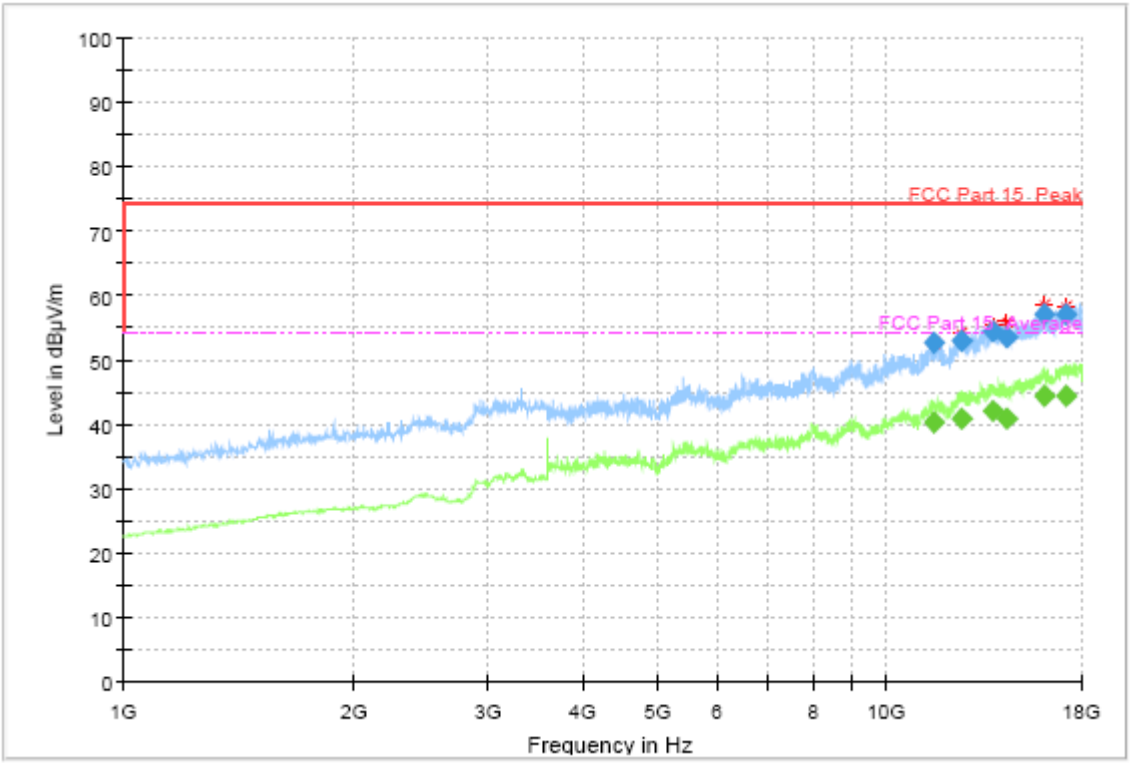


Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.004179	32.63	40.00	7.37	1000.0	120.000	100.0	V	-11.0	-21.8
48.018163	33.92	40.00	6.08	1000.0	120.000	180.0	V	158.0	-20.1
95.793011	30.89	43.50	12.61	1000.0	120.000	99.0	V	97.0	-24.2
114.838395	29.74	43.50	13.76	1000.0	120.000	175.0	H	211.0	-24.7
370.486848	32.15	46.00	13.85	1000.0	120.000	104.0	H	77.0	-20.2
800.318328	32.30	46.00	13.70	1000.0	120.000	100.0	V	126.0	-11.5

Note:
1.Emission level(QP)=Raw value by receiver + Corr(Antenna factor + cable loss - preamplifier gain)
2.The raw value is used to calculate by software which is not shown in the sheet.
3.Margin=limit value – emission level.

N03: Mode 1: Full system_working mode

Frequency Range:	1GHz –18GHz



Final Result

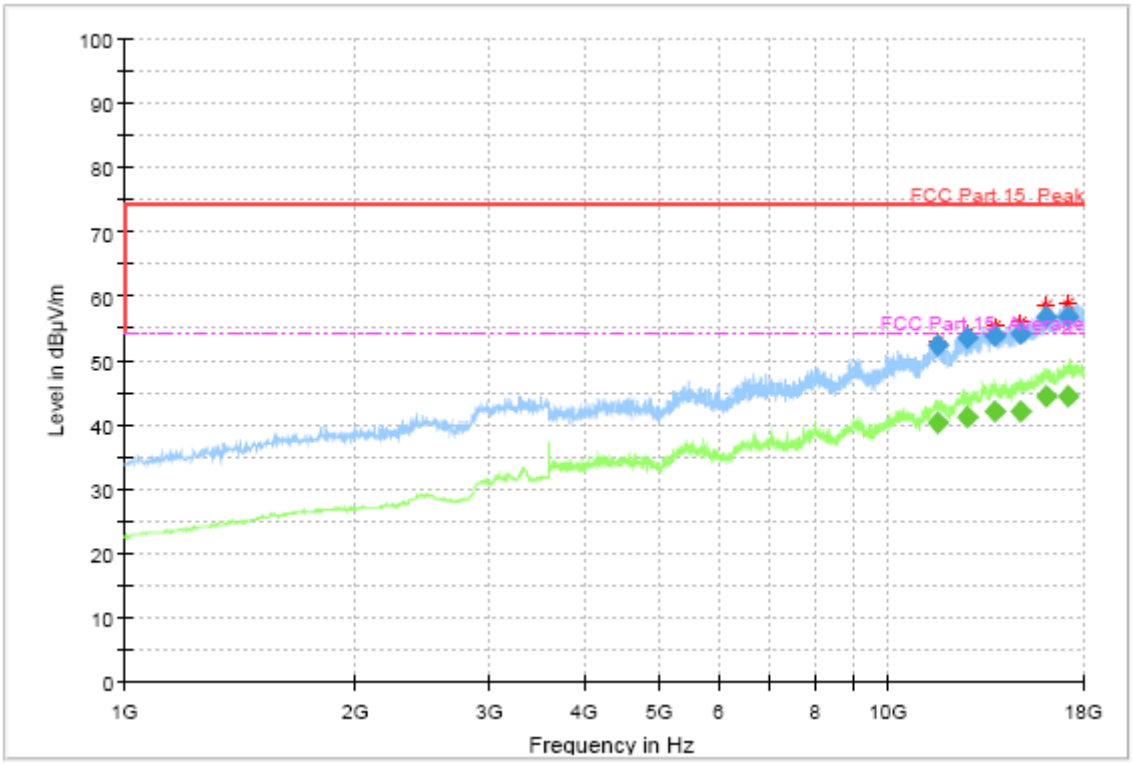
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11519.600000	---	40.37	54.00	13.63	100.0	1000.000	100.0	H	285.0
11519.600000	52.61	---	74.00	21.39	100.0	1000.000	100.0	H	285.0
12553.600000	53.01	---	74.00	20.99	100.0	1000.000	100.0	H	88.0
12553.600000	---	40.95	54.00	13.05	100.0	1000.000	100.0	H	88.0
13757.600000	---	42.14	54.00	11.86	100.0	1000.000	100.0	H	129.0
13757.600000	54.40	---	74.00	19.60	100.0	1000.000	100.0	H	129.0
14398.400000	---	40.81	54.00	13.19	100.0	1000.000	200.0	H	96.0
14398.400000	53.64	---	74.00	20.36	100.0	1000.000	200.0	H	96.0
16108.800000	57.00	---	74.00	17.00	100.0	1000.000	200.0	H	347.0
16108.800000	---	44.38	54.00	9.62	100.0	1000.000	200.0	H	347.0
17180.800000	---	44.48	54.00	9.52	100.0	1000.000	100.0	H	265.0
17180.800000	56.98	---	74.00	17.02	100.0	1000.000	100.0	H	265.0

Note:

1.Emission level(peak or average)=Raw value by receiver + Corr(Antenna factor+ cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11580.000000	52.42	---	74.00	21.58	100.0	1000.000	200.0	V	149.0
11580.000000	---	40.18	54.00	13.82	100.0	1000.000	200.0	V	149.0
12641.200000	---	41.16	54.00	12.84	100.0	1000.000	100.0	V	81.0
12641.200000	53.60	---	74.00	20.40	100.0	1000.000	100.0	V	81.0
13763.000000	53.69	---	74.00	20.31	100.0	1000.000	100.0	V	40.0
13763.000000	---	42.16	54.00	11.84	100.0	1000.000	100.0	V	40.0
14848.400000	53.99	---	74.00	20.01	100.0	1000.000	200.0	V	324.0
14848.400000	---	42.13	54.00	11.87	100.0	1000.000	200.0	V	324.0
16103.000000	---	44.45	54.00	9.55	100.0	1000.000	200.0	V	179.0
16103.000000	56.72	---	74.00	17.28	100.0	1000.000	200.0	V	179.0
17183.400000	56.84	---	74.00	17.16	100.0	1000.000	200.0	V	211.0
17183.400000	---	44.44	54.00	9.56	100.0	1000.000	200.0	V	211.0

Note:

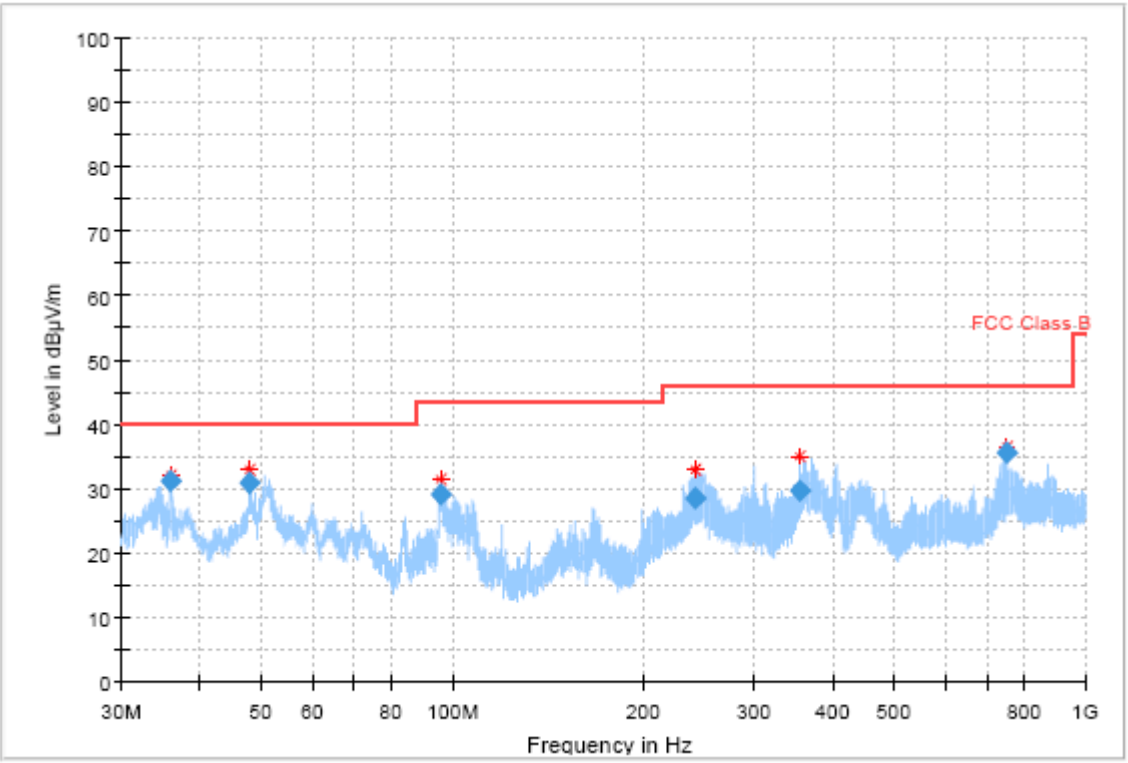
1.Emission level(peak or average)=Raw value by receiver + Corr(Antenna factor+ cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

N01: Mode 1: Full system_working mode

Frequency Range:	30MHz – 1GHz

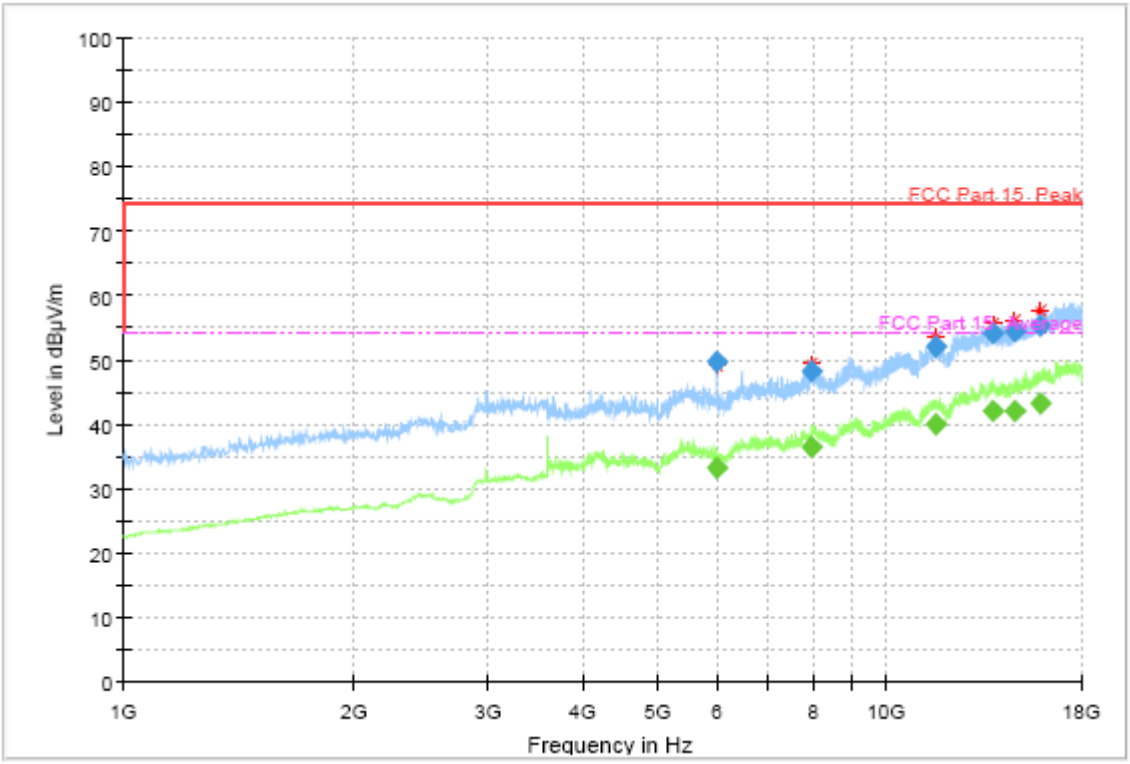


Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.995835	31.09	40.00	8.91	1000.0	120.000	100.0	V	19.0	-21.8
47.978400	30.98	40.00	9.02	1000.0	120.000	125.0	V	158.0	-20.1
95.827533	29.23	43.50	14.27	1000.0	120.000	211.0	H	283.0	-24.2
241.663883	28.51	46.00	17.49	1000.0	120.000	125.0	H	239.0	-23.4
352.313728	29.74	46.00	16.26	1000.0	120.000	105.0	H	120.0	-20.7
748.789427	35.49	46.00	10.51	1000.0	120.000	99.0	V	125.0	-12.2

Note:
1.Emission level(QP)=Raw value by receiver + Corr(Antenna factor + cable loss - preamplifier gain)
2.The raw value is used to calculate by software which is not shown in the sheet.
3.Margin=limit value – emission level.

N01: Mode 1: Full system_working mode

Frequency Range:	1GHz –18GHz



Final Result

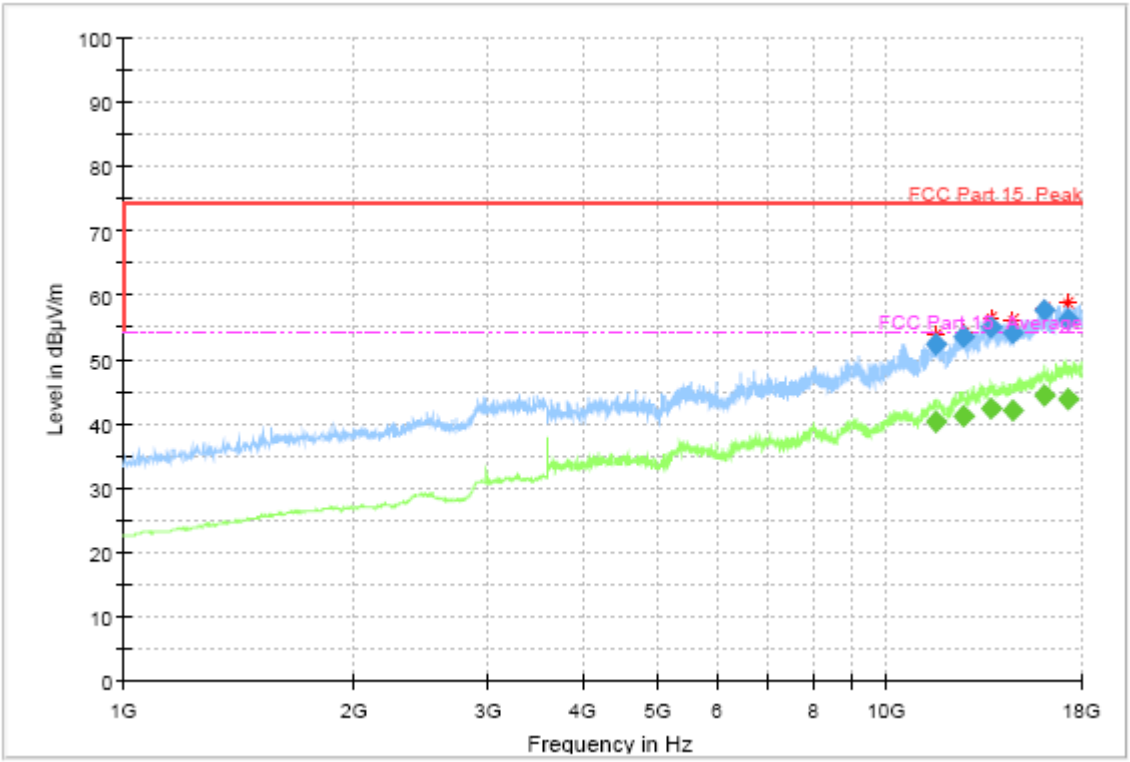
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
5991.400000	---	33.22	54.00	20.78	100.0	1000.000	200.0	H	325.0
5991.400000	49.61	---	74.00	24.39	100.0	1000.000	200.0	H	325.0
7970.600000	---	36.58	54.00	17.42	100.0	1000.000	197.0	H	54.0
7970.600000	48.21	---	74.00	25.79	100.0	1000.000	197.0	H	54.0
11622.400000	52.08	---	74.00	21.92	100.0	1000.000	197.0	H	0.0
11622.400000	---	39.88	54.00	14.12	100.0	1000.000	197.0	H	0.0
13774.200000	54.09	---	74.00	19.91	100.0	1000.000	100.0	H	238.0
13774.200000	---	42.13	54.00	11.87	100.0	1000.000	100.0	H	238.0
14743.800000	54.33	---	74.00	19.67	100.0	1000.000	198.0	H	190.0
14743.800000	---	42.01	54.00	11.99	100.0	1000.000	198.0	H	190.0
15884.200000	55.29	---	74.00	18.71	100.0	1000.000	100.0	H	87.0
15884.200000	---	43.26	54.00	10.74	100.0	1000.000	100.0	H	87.0

Note:

1.Emission level(peak or average)=Raw value by receiver + Corr(Antenna factor+ cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11597.200000	52.42	---	74.00	21.58	100.0	1000.000	100.0	V	336.0
11597.200000	---	40.19	54.00	13.81	100.0	1000.000	100.0	V	336.0
12572.800000	53.57	---	74.00	20.43	100.0	1000.000	200.0	V	336.0
12572.800000	---	41.31	54.00	12.69	100.0	1000.000	200.0	V	336.0
13675.000000	---	42.41	54.00	11.59	100.0	1000.000	100.0	V	286.0
13675.000000	55.13	---	74.00	18.87	100.0	1000.000	100.0	V	286.0
14648.000000	---	42.13	54.00	11.87	100.0	1000.000	100.0	V	286.0
14648.000000	54.18	---	74.00	19.82	100.0	1000.000	100.0	V	286.0
16100.200000	57.54	---	74.00	16.46	100.0	1000.000	200.0	V	149.0
16100.200000	---	44.51	54.00	9.49	100.0	1000.000	200.0	V	149.0
17300.400000	56.08	---	74.00	17.92	100.0	1000.000	200.0	V	4.0
17300.400000	---	43.92	54.00	10.08	100.0	1000.000	200.0	V	4.0

Note:

1.Emission level(peak or average)=Raw value by receiver + Corr(Antenna factor+ cable loss - preamplifier gain)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

8.2 Conducted Emission

Method of Measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies with the band 150 kHz to 30MHz shall not exceed the limits. Both lines of the power mains connected to the EUT were checked for maximum conducted interference. Tested in accordance with the procedures of ANSI C63.4-2014, section 7.3

Limit of Conducted Emission

Frequency Range (MHz)	Conducted Limit (dBuV)	
	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		

Test Condition in Charging Mode

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

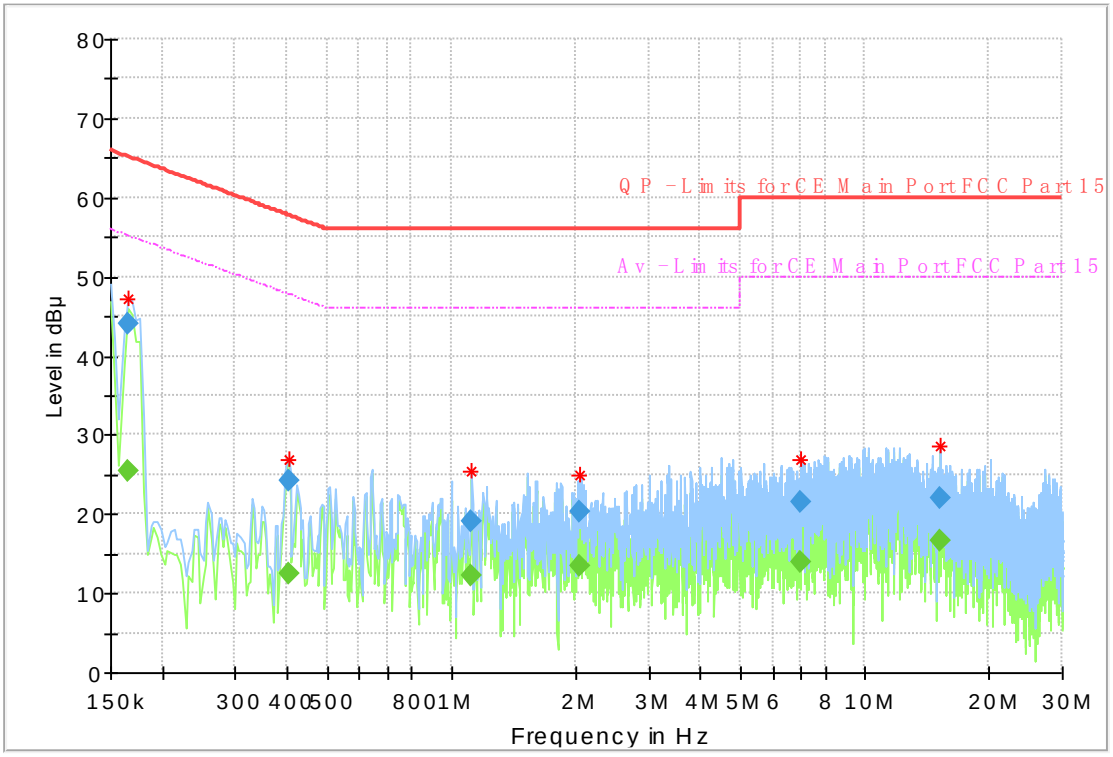
Uncertainty Measurement

The measurement uncertainty is 3.66dB (k=2).

Test Results

N02: Mode 1: Full system_working mode

Frequency Range:	150kHz – 30MHz



Frequency (MHz)	QuasiPeak (dBµ V)	Average (dBµ V)	Limit (dBµ V)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.164925	---	25.56	55.21	29.66	1000.0	9.000	N	ON	9.7
0.164925	44.14	---	65.21	21.07	1000.0	9.000	N	ON	9.7
0.403725	---	12.48	47.78	35.30	1000.0	9.000	N	ON	9.7
0.403725	24.16	---	57.78	33.62	1000.0	9.000	N	ON	9.7
1.116394	---	12.23	46.00	33.77	1000.0	9.000	L1	ON	9.7
1.116394	19.01	---	56.00	36.99	1000.0	9.000	L1	ON	9.7
2.052938	20.43	---	56.00	35.57	1000.0	9.000	L1	ON	9.7
2.052938	---	13.56	46.00	32.44	1000.0	9.000	L1	ON	9.7
6.989381	21.44	---	60.00	38.56	1000.0	9.000	L1	ON	9.8
6.989381	---	13.87	50.00	36.13	1000.0	9.000	L1	ON	9.8
15.242906	---	16.64	50.00	33.36	1000.0	9.000	N	ON	9.9
15.242906	22.11	---	60.00	37.89	1000.0	9.000	N	ON	9.9

Note:

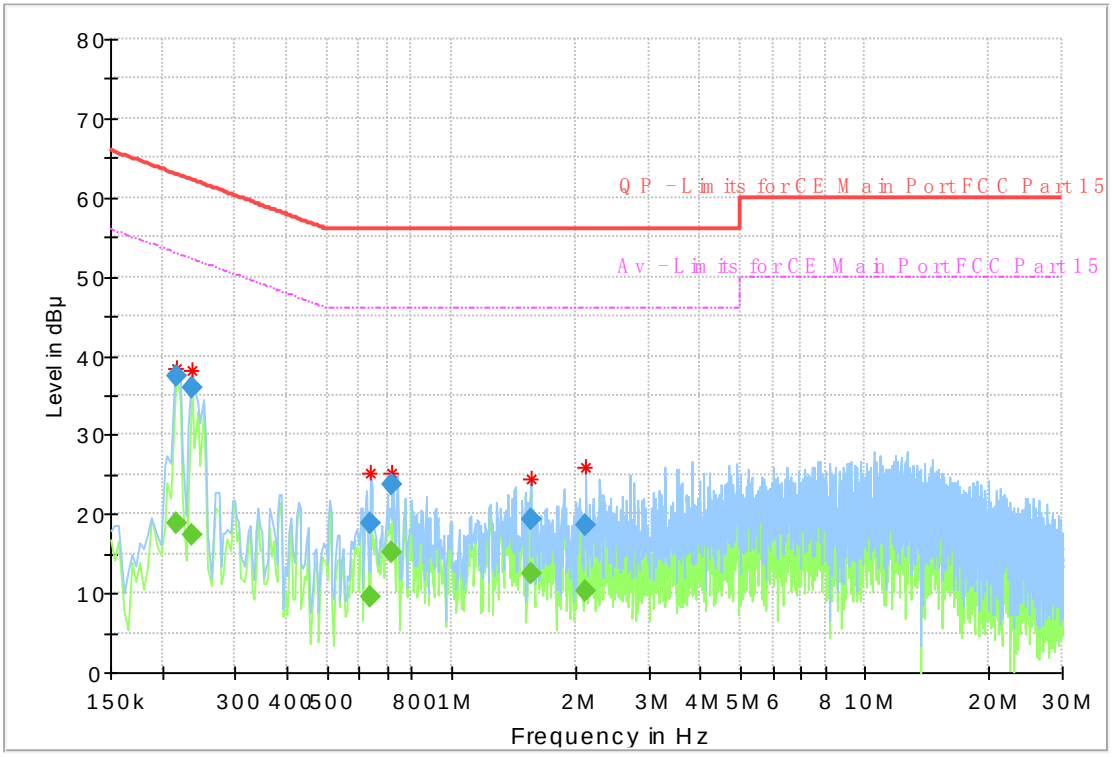
1.Emission level(quasi-peak or Average peak)=Raw value by receiver + Corr(Insertion loss+ cable loss)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

N03: Mode 1: Full system_working mode

Frequency Range:	150kHz – 30MHz



Frequency (MHz)	QuasiPeak (dBµ V)	Average (dBµ V)	Limit (dBµ V)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.217163	---	18.92	52.93	34.01	1000.0	9.000	N	ON	9.7
0.217163	37.45	---	62.93	25.48	1000.0	9.000	N	ON	9.7
0.235819	---	17.40	52.24	34.84	1000.0	9.000	N	ON	9.7
0.235819	35.96	---	62.24	26.28	1000.0	9.000	N	ON	9.7
0.638794	---	9.47	46.00	36.53	1000.0	9.000	N	ON	9.7
0.638794	18.82	---	56.00	37.18	1000.0	9.000	N	ON	9.7
0.720881	---	15.27	46.00	30.73	1000.0	9.000	N	ON	9.7
0.720881	23.61	---	56.00	32.39	1000.0	9.000	N	ON	9.7
1.552950	---	12.48	46.00	33.52	1000.0	9.000	N	ON	9.7
1.552950	19.33	---	56.00	36.67	1000.0	9.000	N	ON	9.7
2.120100	---	10.34	46.00	35.66	1000.0	9.000	N	ON	9.7
2.120100	18.59	---	56.00	37.41	1000.0	9.000	N	ON	9.7

Note:

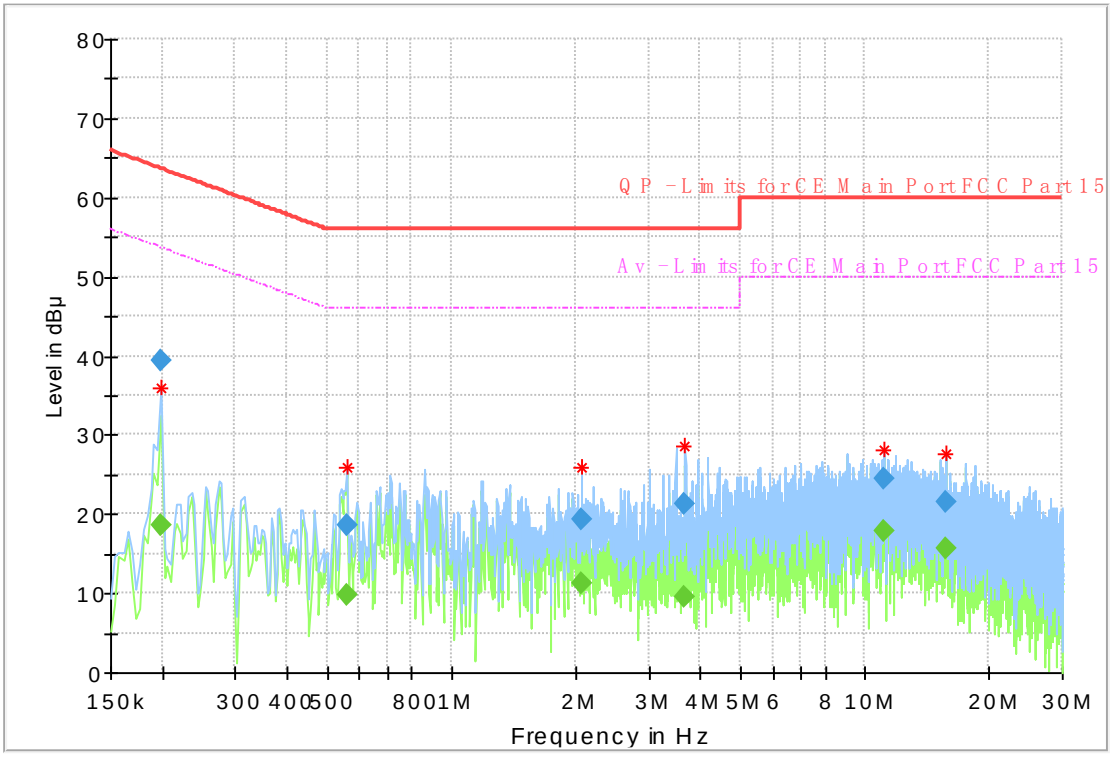
1.Emission level(quasi-peak or Average peak)=Raw value by receiver + Corr(Insertion loss+ cable loss)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

N01: Mode 1: Full system_working mode

Frequency Range:	150kHz – 30MHz



Frequency (MHz)	QuasiPeak (dBµ V)	Average (dBµ V)	Limit (dBµ V)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.198506	---	18.61	53.67	35.07	1000.0	9.000	L1	ON	9.7
0.198506	39.48	---	63.67	24.19	1000.0	9.000	L1	ON	9.7
0.556706	---	9.82	46.00	36.18	1000.0	9.000	N	ON	9.7
0.556706	18.68	---	56.00	37.32	1000.0	9.000	N	ON	9.7
2.067863	---	11.22	46.00	34.78	1000.0	9.000	N	ON	9.7
2.067863	19.36	---	56.00	36.64	1000.0	9.000	N	ON	9.7
3.676031	---	9.57	46.00	36.43	1000.0	9.000	N	ON	9.8
3.676031	21.30	---	56.00	34.70	1000.0	9.000	N	ON	9.8
11.097488	24.36	---	60.00	35.64	1000.0	9.000	L1	ON	9.9
11.097488	---	17.76	50.00	32.24	1000.0	9.000	L1	ON	9.9
15.716775	21.56	---	60.00	38.44	1000.0	9.000	L1	ON	9.9
15.716775	---	15.63	50.00	34.37	1000.0	9.000	L1	ON	9.9

Note:

1.Emission level(quasi-peak or Average peak)=Raw value by receiver + Corr(Insertion loss+ cable loss)

2.The raw value is used to calculate by software which is not shown in the sheet.

3.Margin=limit value – emission level.

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