



# TEST REPORT

**No. I18D00119-EMC01**

*For*

**Client : Shanghai Sunmi Technology Co.,Ltd.**

**Production: POS System**

**Model Name : L1521,L1522,L1523**

**Hardware Version: V1.02**

**Software Version: 1.0.16,1.0.17,1.0.16**

**FCC ID: 2AH25T2**

**Issued date: 2018-08-14**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of ECIT Shanghai.

**Test Laboratory:**

ECIT Shanghai, East China Institute of Telecommunications

Add: 7F, G Area, No.668, Beijing East Road, Huangpu District, Shanghai, P. R. China

Tel: (+86)-021-63843300, E-Mail: [welcme@ecit.org.cn](mailto:welcme@ecit.org.cn)

### Revision Version

Report Number	Revision	Date	Memo
I18D00119-EMC01	00	2018-08-14	Initial creation of test report

## CONTENTS

1. TEST LABORATORY .....	5
1.1. TESTING LOCATION .....	5
1.2. TESTING ENVIRONMENT .....	5
1.3. PROJECT DATA.....	5
1.4. SIGNATURE.....	5
1.5. CLIENT INFORMATION .....	6
1.6. APPLICANT INFORMATION.....	6
1.7. MANUFACTURER INFORMATION.....	6
2. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) .....	7
2.1. ABOUT EUT.....	7
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST .....	7
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST .....	7
4. REFERENCE DOCUMENTS.....	8
4.1 REFERENCE DOCUMENTS FOR TESTING.....	8
5. TEST RESULTS.....	9
5.1 SUMMARY OF TEST RESULTS .....	9
5.2 STATEMENTS.....	9
6. TEST EQUIPMENT UTILIZED .....	10
6.1 RADIATED EMISSION EQUIPMENT LIST .....	10
6.1 AC CONDUCTED EMISSION EQUIPMENT LIST .....	10
7. SYSTEM CONFIGURATION DURING TEST.....	11
7.1 TEST MODE.....	11
7.2 CONNECTION DIAGRAM OF TEST SYSTEM.....	12
8. MEASUREMENT RESULTS.....	13
8.1 RADIATED EMISSION 30MHZ-18GHZ.....	13

**8.2 AC CONDUCTED EMISSION..... 23**

## 1. Test Laboratory

### 1.1. Testing Location

Company Name: ECIT Shanghai, East China Institute of Telecommunications  
Address: 7F, G Area, No. 668, Beijing East Road, Huangpu District, Shanghai,  
P. R. China  
Postal Code: 200001  
Telephone: 86-21-63843300  
Fax: 86-21-63843301  
FCC registration No: 489729

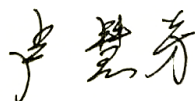
### 1.2. Testing Environment

Normal Temperature: 15-35°C  
Relative Humidity: 30-60%RH

### 1.3. Project data

Project Leader: Yu Anlu  
Testing Start Date: 2018.07.02  
Testing End Date: 2018.08.13

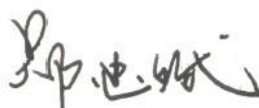
### 1.4. Signature



Lu Huifang  
(Prepared this test report)



You Jinjun  
(Reviewed this test report)



Zheng Zhongbin  
Director of the laboratory  
(Approved this test report)

**1.5. Client Information****1.6. Applicant Information**

Company Name: Shanghai Sunmi Technology Co.,Ltd.  
Address : Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District,  
Shanghai, China  
Telephone: 18721736693  
Post: /

**1.7. Manufacturer Information**

Company Name: Shanghai Sunmi Technology Co.,Ltd.  
Address : Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District,  
Shanghai, China  
Telephone: 18721736693  
Post: /

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

### 2.1. About EUT

EUT Description	POS System
Model name	L1521, L1522, 1523
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
N04	NA	V1.02	1.0.16	2018-07-02
N03	NA	V1.02	1.0.17	2018-07-02
N05	NA	V1.02	1.0.16	2018-07-02

\*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	Remark
UA04	Adapter	CYSE65-240250	NA	NA
UB01	Adapter Plug	NA	NA	NA
EA02	IOIOI Cable	NA	NA	NA
EA04	Cash Box	NA	NA	NA
AE1	USB Cable	NA	NA	NA
AE2	LAN Cable	NA	NA	NA
AE3	Keyboard	KB212-B	CN-0Y88XT-65890-12I-005Q-A 00	NA
AE4	Mouse	MS111-P	CN-011D3V-71581-19J-1A64	NA
AE5	Notebook PC	DELL Latitude E6510	NA	NA
AE6	SanDisk Ultra32GB	microSDHC UHS-I	NA	NA
AE7	U disk	DT101 G2	/	/

\*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	10-1-10 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 L1521,L1522,1523, supporting BT/WLAN, 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.

## 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

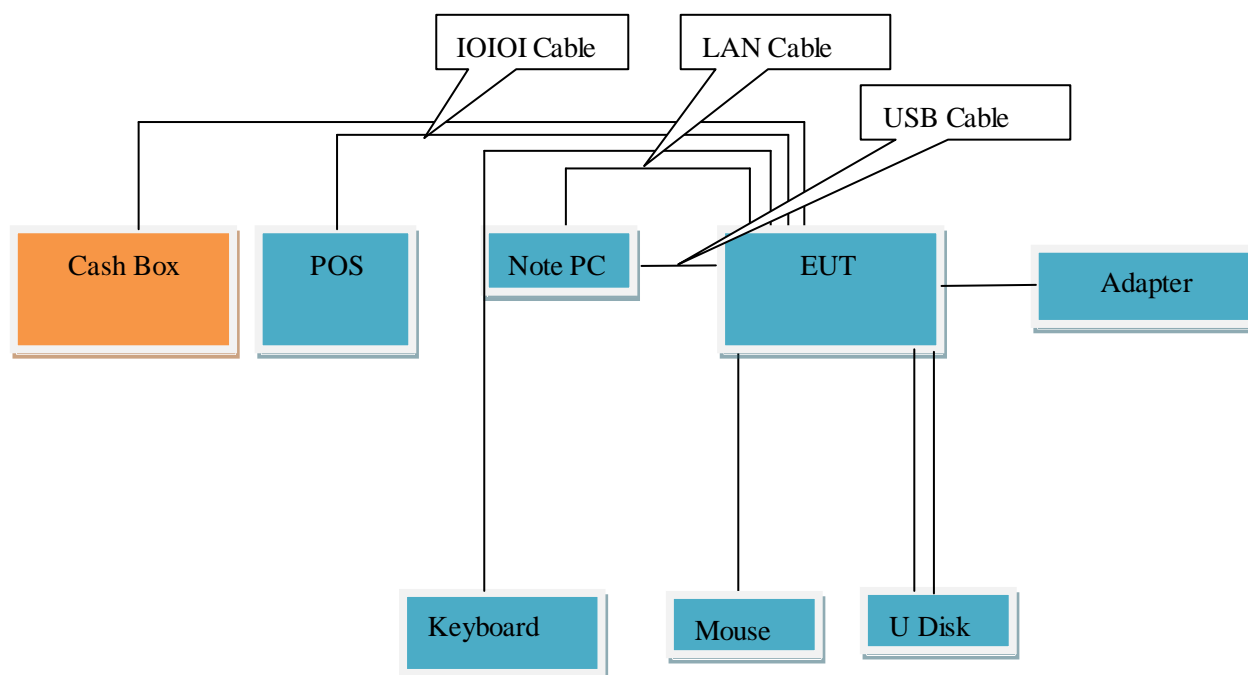
No.	Name	Type	Series Number	Producer	Cal. Date	Cal. interval
1	Universal Radio	CMU200	123123	R&S	2018-05-11	1 Year
2	Test Receiver	ESCI	101235	R&S	2018-05-11	1 Year
3	2-Line V-Network	ENV216	101380	R&S	2018-05-11	1 Year
4	EMI Test Software	EMC32 V9.15	NA	R&S	NA	NA

## 7. System Configuration during Test

### 7.1 Test Mode

Test Item	Function Type
AC Conducted Emission	Mode 1: Full System Mode(N04)
AC Conducted Emission	Mode 1: Full System Mode(N03)
AC Conducted Emission	Mode 1: Full System Mode(N05)
Radiated Emission	Mode 1: Full System Mode(N04)
Radiated Emission	Mode 1: Full System Mode(N03)
Radiated Emission	Mode 1: Full System Mode(N05)
Remark: 1. All test modes are performed, only the worst cases test data are recorded in this report. 2. Full System Mode means Data Link with PC , Print Mode and Ping with PC. 3. Data Link with PC means data application transferred mode between EUT and PC.	

### 7.2 Connection Diagram of Test System



<Figure 1>

## 8. Measurement Results

Only the worst test result was shown in this report.

### 8.1 Radiated Emission 30MHz-18GHz

#### Method of Measurement

For 30-1000MHz, 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 1000-18000MHz, 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

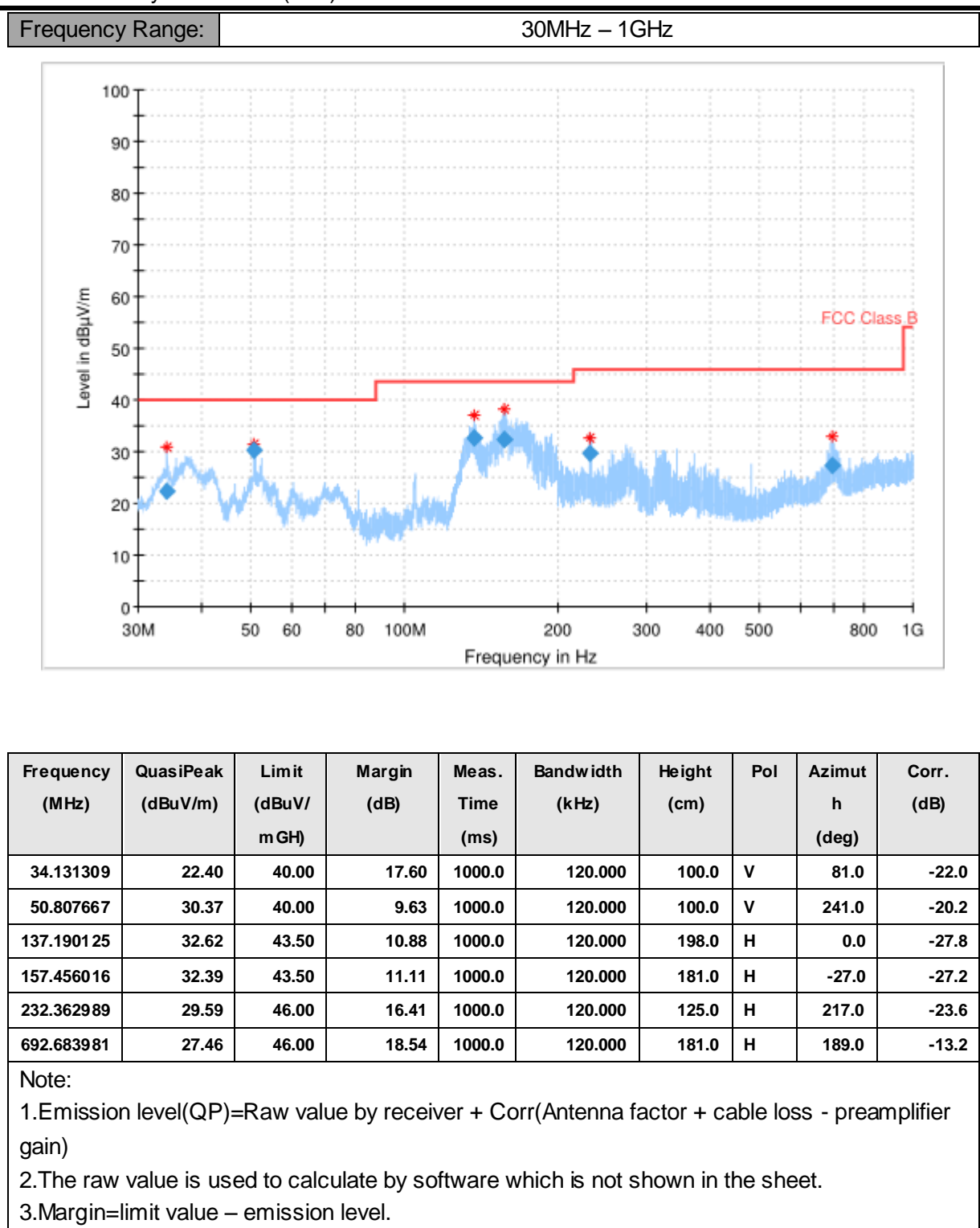
#### Uncertainty Measurement

The measurement uncertainty (30MHz-1000MHz) is 5.48 dB (k=2).

The measurement uncertainty (1000MHz-18000MHz) is 5.20 dB (k=2).

## Test Results

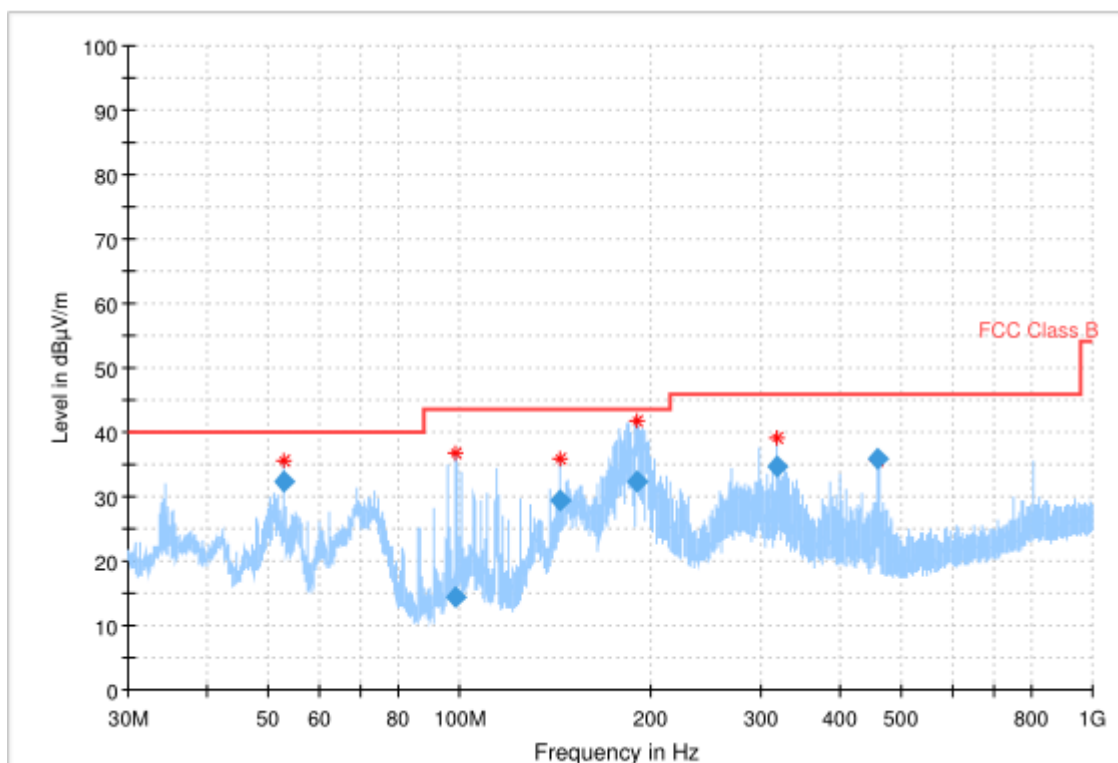
Mode 1: Full System mode (N04)



Mode 1: Full System mode (N03)

Frequency Range:

30MHz – 1GHz



Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB)
52.784416	32.44	40.00	7.56	1000.0	120.000	100.0	V	186.0	-20.7
98.944149	14.41	43.50	29.09	1000.0	120.000	125.0	H	321.0	-23.8
143.964832	29.28	43.50	14.22	1000.0	120.000	100.0	H	322.0	-28.0
190.276504	32.50	43.50	11.00	1000.0	120.000	225.0	H	176.0	-25.1
316.770331	34.61	46.00	11.39	1000.0	120.000	106.0	V	259.0	-21.6
457.491496	35.85	46.00	10.15	1000.0	120.000	100.0	V	56.0	-18.1

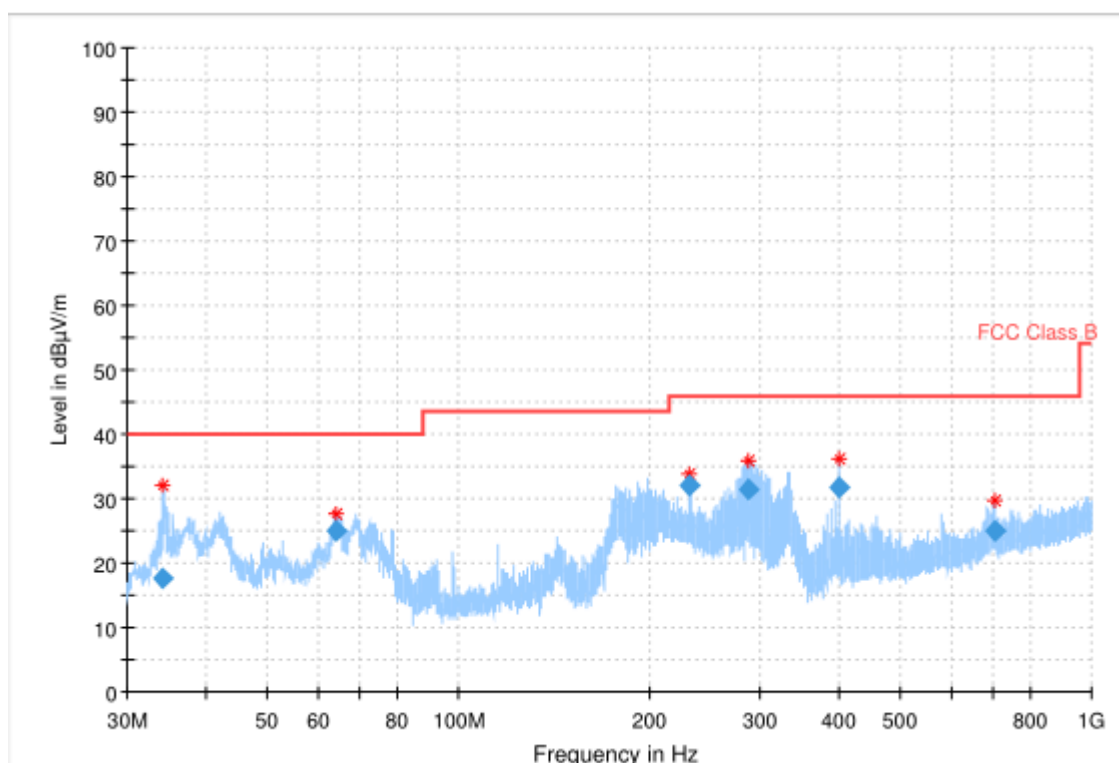
Note:

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.

Mode 1: Full System mode (N05)

Frequency Range:

30MHz – 1GHz



Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB)
34.239035	17.62	40.00	22.38	1000.0	120.000	102.0	V	135.0	-22.0
64.251781	24.90	40.00	15.10	1000.0	120.000	106.0	V	25.0	-23.5
232.385656	32.05	46.00	13.95	1000.0	120.000	125.0	H	327.0	-23.6
287.655093	31.60	46.00	14.40	1000.0	120.000	102.0	H	274.0	-22.3
400.027165	31.69	46.00	14.31	1000.0	120.000	102.0	H	146.0	-19.4
701.304755	24.90	46.00	21.10	1000.0	120.000	100.0	V	313.0	-13.0

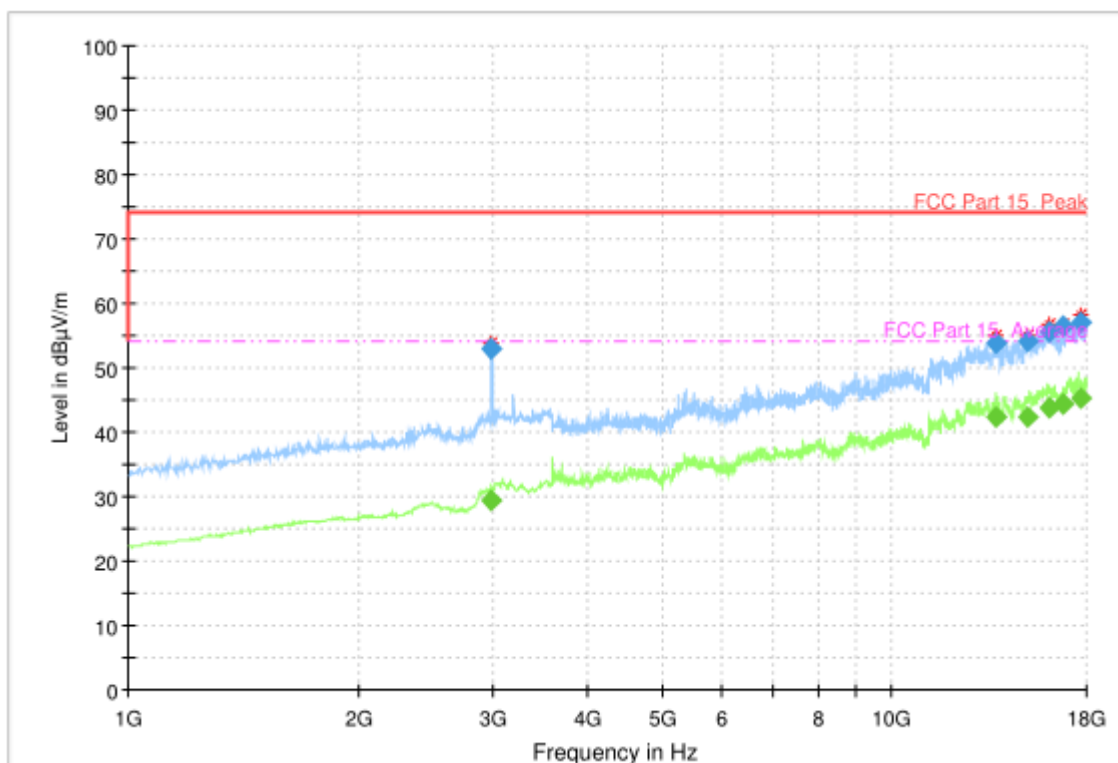
Note:

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.



Mode 1: Full System mode (N04)

Frequency Range: 1GHz –18GHz

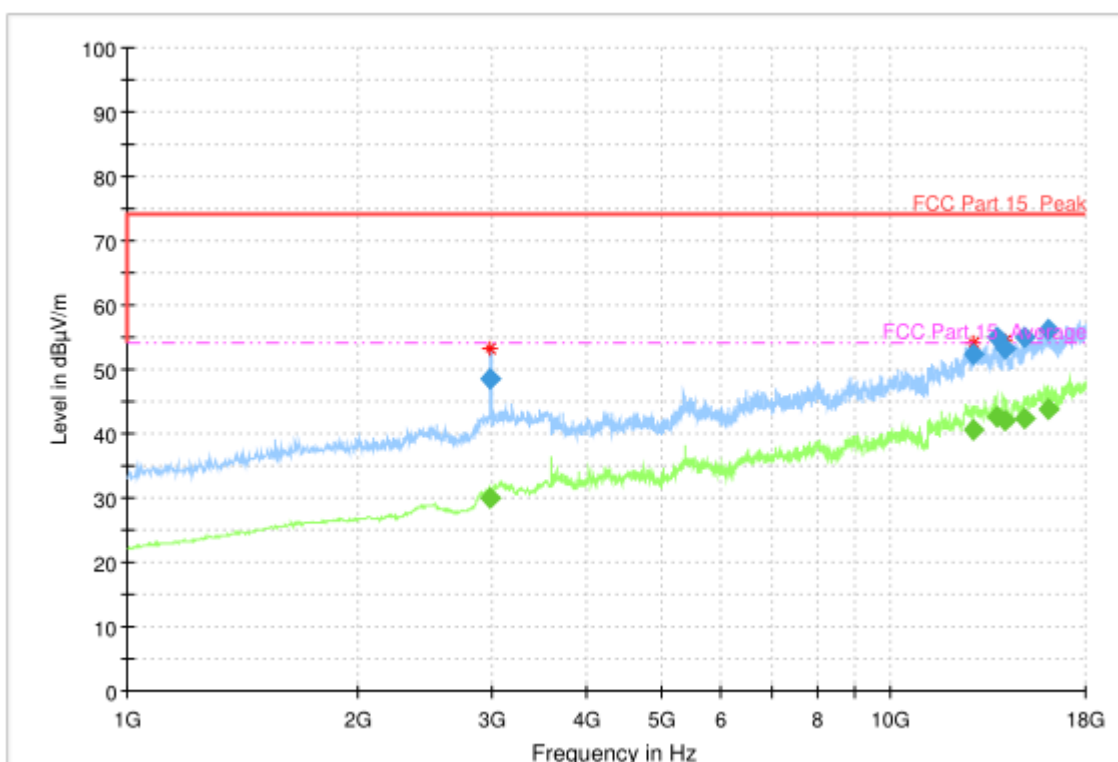


## Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2986.600000	---	29.45	54.00	24.55	50.0	1000.000	200.0	H	273.0
2986.600000	52.88	---	74.00	21.12	50.0	1000.000	200.0	H	273.0
13715.800000	---	42.41	54.00	11.59	50.0	1000.000	100.0	H	249.0
13715.800000	53.70	---	74.00	20.30	50.0	1000.000	100.0	H	249.0
15103.400000	54.04	---	74.00	19.96	50.0	1000.000	200.0	H	249.0
15103.400000	---	42.30	54.00	11.70	50.0	1000.000	200.0	H	249.0
16072.400000	---	43.88	54.00	10.12	50.0	1000.000	100.0	H	86.0
16072.400000	55.62	---	74.00	18.38	50.0	1000.000	100.0	H	86.0
16749.800000	---	44.48	54.00	9.52	50.0	1000.000	200.0	H	51.0
16749.800000	56.44	---	74.00	17.56	50.0	1000.000	200.0	H	51.0
17701.800000	57.10	---	74.00	16.90	50.0	1000.000	200.0	H	132.0
17701.800000	---	45.29	54.00	8.71	50.0	1000.000	200.0	H	132.0

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

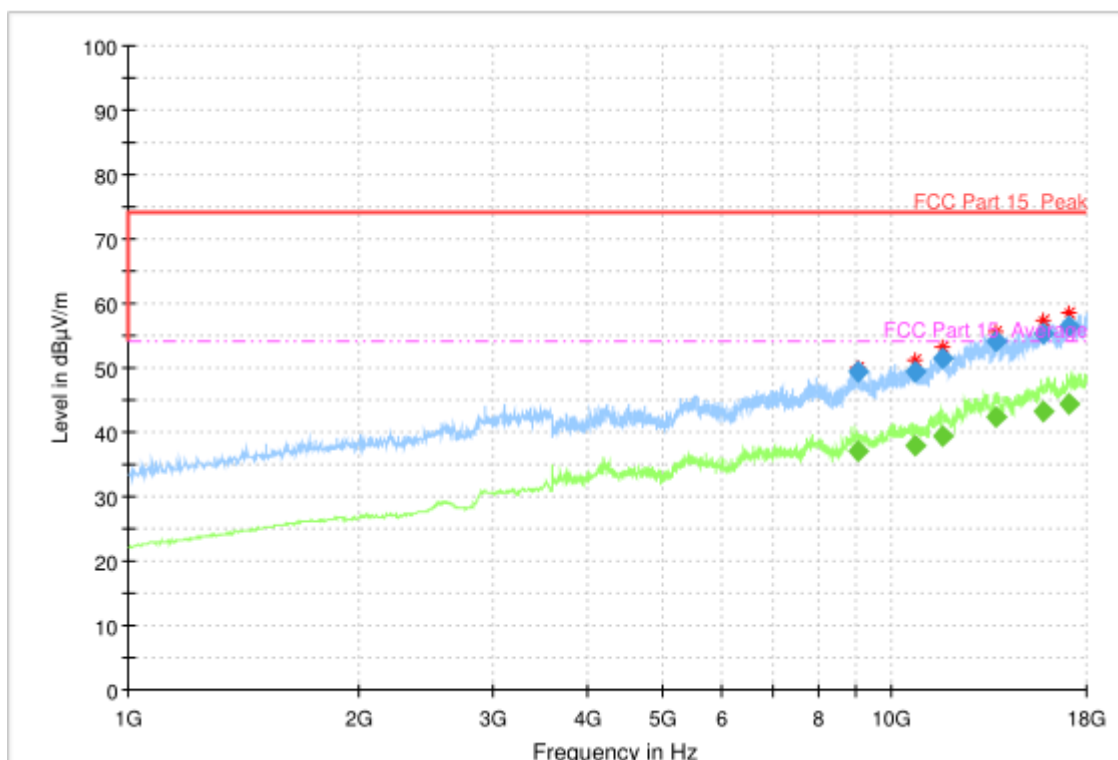
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)
2986.200000	48.63	---	74.00	25.37	50.0	1000.000	100.0	V	172.0
2986.200000	---	29.94	54.00	24.06	50.0	1000.000	100.0	V	172.0
12845.000000	---	40.71	54.00	13.29	50.0	1000.000	100.0	V	183.0
12845.000000	52.45	---	74.00	21.55	50.0	1000.000	100.0	V	183.0
13740.400000	---	42.68	54.00	11.32	50.0	1000.000	200.0	V	281.0
13740.400000	55.03	---	74.00	18.97	50.0	1000.000	200.0	V	281.0
14099.600000	53.25	---	74.00	20.75	50.0	1000.000	100.0	V	0.0
14099.600000	---	42.16	54.00	11.84	50.0	1000.000	100.0	V	0.0
14960.600000	55.04	---	74.00	18.96	50.0	1000.000	100.0	V	125.0
14960.600000	---	42.47	54.00	11.53	50.0	1000.000	100.0	V	125.0
16075.800000	56.23	---	74.00	17.77	50.0	1000.000	100.0	V	49.0
16075.800000	---	43.93	54.00	10.07	50.0	1000.000	100.0	V	49.0

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.

Mode 1: Full System mode (N03)

Frequency Range: 1GHz –18GHz

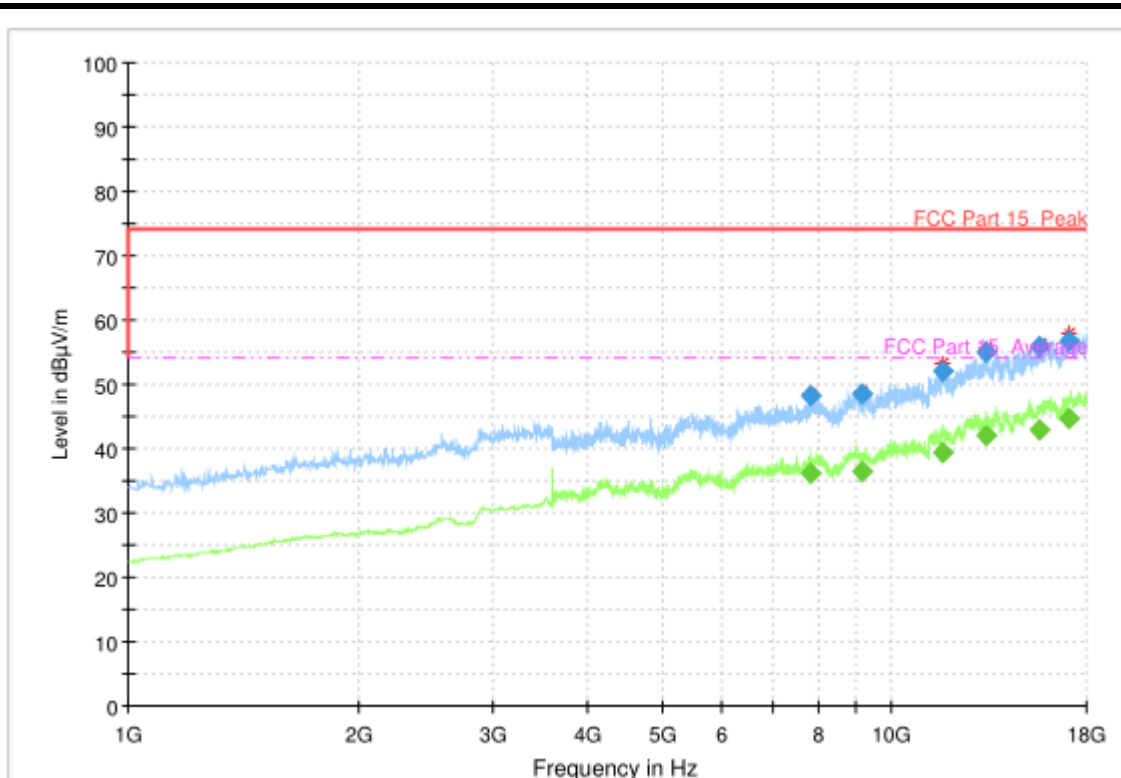


## Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
9018.000000	49.49	---	74.00	24.51	100.0	1000.000	100.0	H	336.0
9018.000000	---	37.04	54.00	16.96	100.0	1000.000	100.0	H	336.0
10724.000000	49.42	---	74.00	24.58	100.0	1000.000	100.0	H	153.0
10724.000000	---	37.86	54.00	16.14	100.0	1000.000	100.0	H	153.0
11673.400000	51.37	---	74.00	22.63	100.0	1000.000	200.0	H	84.0
11673.400000	---	39.39	54.00	14.61	100.0	1000.000	200.0	H	84.0
13732.000000	54.14	---	74.00	19.86	100.0	1000.000	200.0	H	316.0
13732.000000	---	42.25	54.00	11.75	100.0	1000.000	200.0	H	316.0
15746.200000	55.27	---	74.00	18.73	100.0	1000.000	200.0	H	166.0
15746.200000	---	43.32	54.00	10.68	100.0	1000.000	200.0	H	166.0
17033.800000	56.34	---	74.00	17.66	100.0	1000.000	200.0	H	0.0
17033.800000	---	44.48	54.00	9.52	100.0	1000.000	200.0	H	0.0

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.



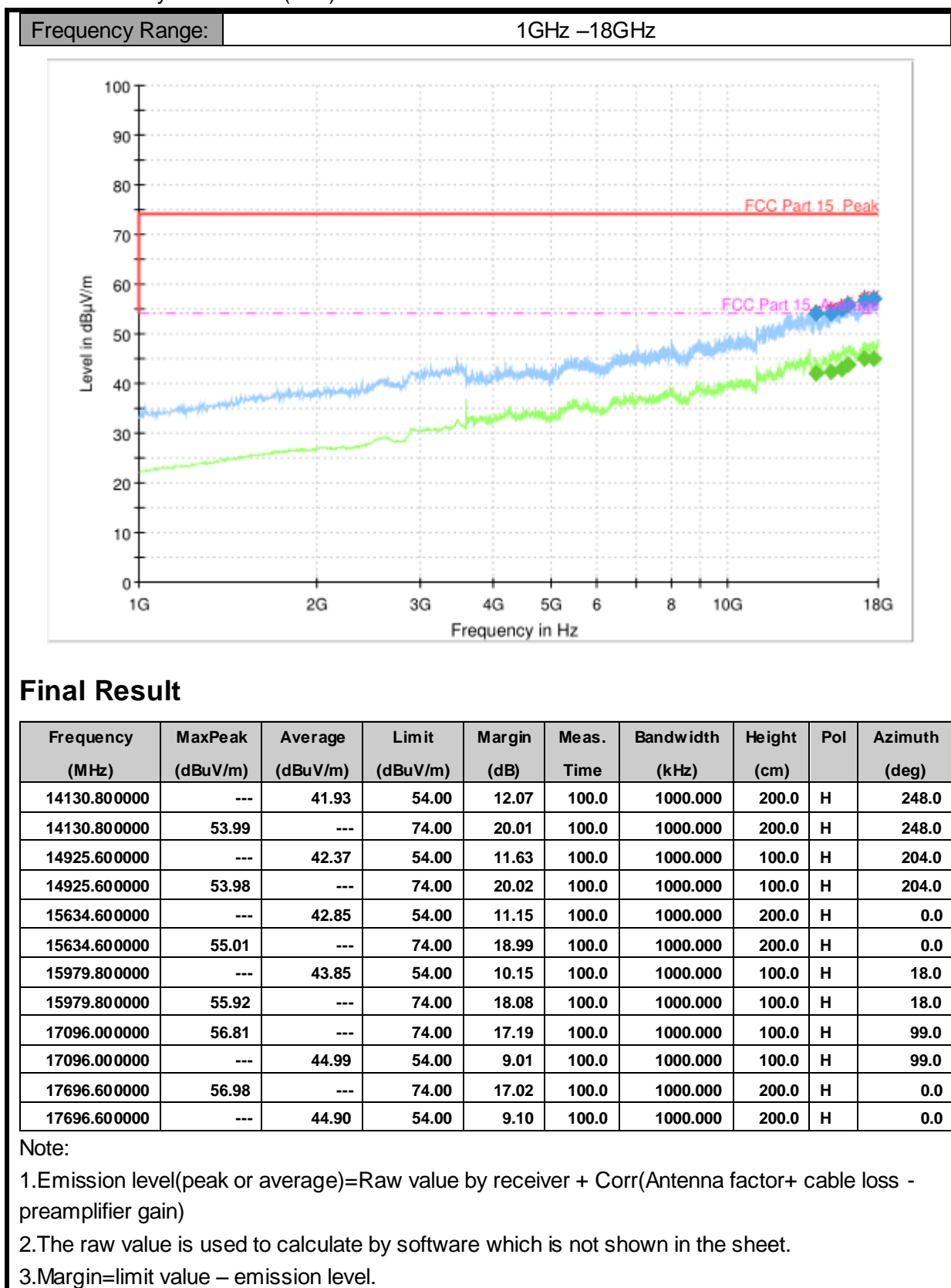
## Final Result

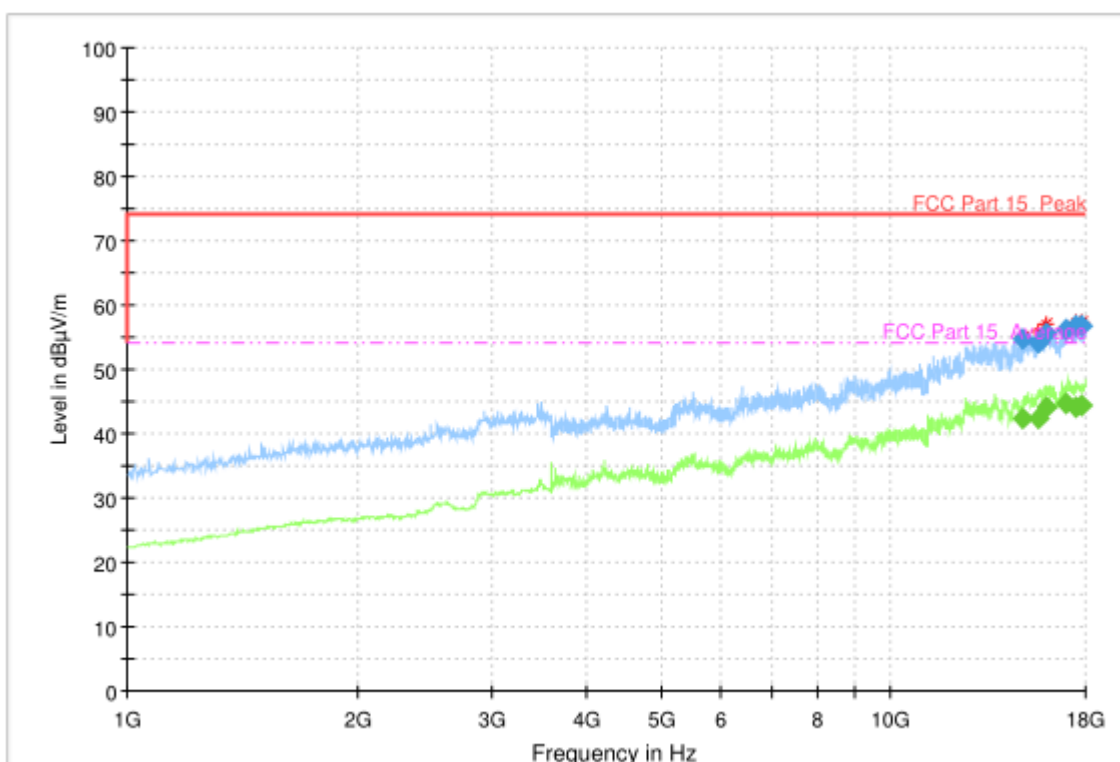
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)
7851.000000	---	36.14	54.00	17.86	100.0	1000.000	200.0	V	142.0
7851.000000	48.30	---	74.00	25.70	100.0	1000.000	200.0	V	142.0
9149.800000	48.58	---	74.00	25.42	100.0	1000.000	100.0	V	63.0
9149.800000	---	36.33	54.00	17.67	100.0	1000.000	100.0	V	63.0
11638.400000	52.18	---	74.00	21.82	100.0	1000.000	200.0	V	0.0
11638.400000	---	39.29	54.00	14.71	100.0	1000.000	200.0	V	0.0
13302.200000	---	42.16	54.00	11.84	100.0	1000.000	100.0	V	16.0
13302.200000	55.03	---	74.00	18.97	100.0	1000.000	100.0	V	16.0
15650.800000	55.78	---	74.00	18.22	100.0	1000.000	100.0	V	51.0
15650.800000	---	42.95	54.00	11.05	100.0	1000.000	100.0	V	51.0
17075.000000	56.81	---	74.00	17.19	100.0	1000.000	100.0	V	16.0
17075.000000	---	44.82	54.00	9.18	100.0	1000.000	100.0	V	16.0

**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.

Mode 1: Full System mode (N05)





## Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)
14912.400000	54.70	---	74.00	19.30	100.0	1000.000	100.0	V	289.0
14912.400000	---	42.40	54.00	11.60	100.0	1000.000	100.0	V	289.0
15566.200000	54.21	---	74.00	19.79	100.0	1000.000	200.0	V	259.0
15566.200000	---	42.44	54.00	11.56	100.0	1000.000	200.0	V	259.0
16021.800000	55.46	---	74.00	18.54	100.0	1000.000	100.0	V	233.0
16021.800000	---	44.05	54.00	9.95	100.0	1000.000	100.0	V	233.0
16933.000000	56.20	---	74.00	17.80	100.0	1000.000	200.0	V	142.0
16933.000000	---	44.61	54.00	9.39	100.0	1000.000	200.0	V	142.0
17425.400000	56.76	---	74.00	17.24	100.0	1000.000	100.0	V	58.0
17425.400000	---	44.26	54.00	9.74	100.0	1000.000	100.0	V	58.0
17810.600000	56.77	---	74.00	17.23	100.0	1000.000	200.0	V	37.0
17810.600000	---	44.39	54.00	9.61	100.0	1000.000	200.0	V	37.0

**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 AC 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

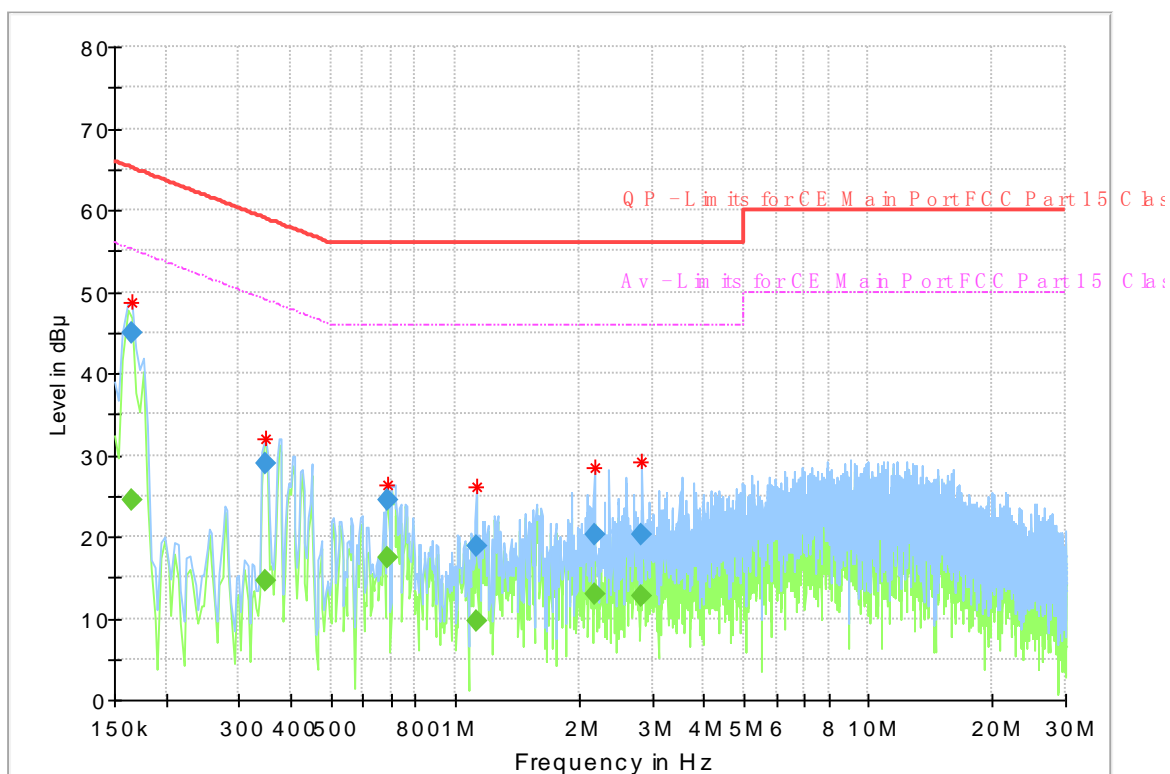
The measurement uncertainty is 3.68dB (k=2).

### Test Results

Mode 1: Full System mode (N04)

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	---	24.40	55.21	30.81	1000.0	9.000	N	ON	9.7
0.164925	44.86	---	65.21	20.35	1000.0	9.000	N	ON	9.7
0.347756	28.90	---	59.02	30.12	1000.0	9.000	L1	ON	9.7
0.347756	---	14.65	49.02	34.37	1000.0	9.000	L1	ON	9.7
0.683569	---	17.32	46.00	28.68	1000.0	9.000	L1	ON	9.7
0.683569	24.36	---	56.00	31.64	1000.0	9.000	L1	ON	9.7
1.123856	---	9.76	46.00	36.24	1000.0	9.000	N	ON	9.7
1.123856	18.75	---	56.00	37.25	1000.0	9.000	N	ON	9.7
2.168606	---	12.91	46.00	33.09	1000.0	9.000	N	ON	9.7
2.168606	20.21	---	56.00	35.79	1000.0	9.000	N	ON	9.7
2.836500	20.13	---	56.00	35.87	1000.0	9.000	L1	ON	9.7
2.836500	---	12.74	46.00	33.26	1000.0	9.000	L1	ON	9.7

Note:

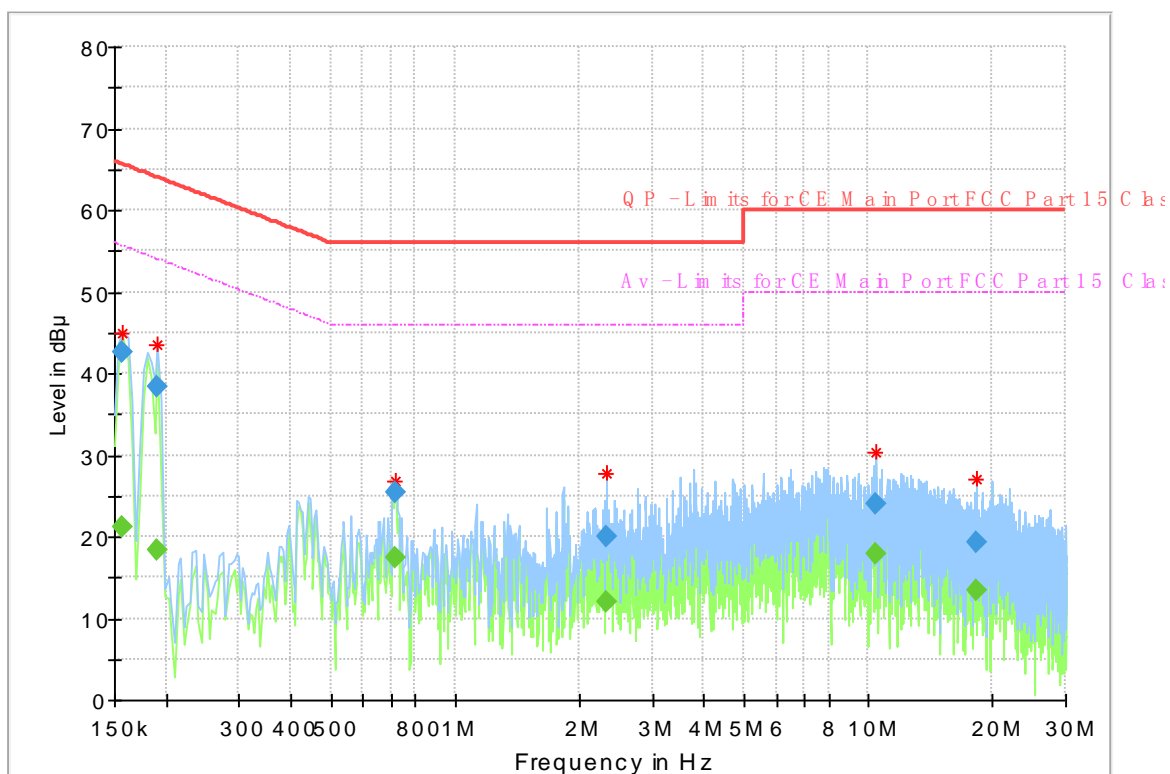
1. Emission level (quasi-peak or Average peak) = Raw value by receiver + Corr (Insertion loss + cable loss)
2. The raw value is used to calculate by software which is not shown in the sheet.
3. Margin = limit value – emission level.



Mode 1: Full System mode (N03)

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)
0.157462	---	21.12	55.60	34.48	1000.0	9.000	L1	ON	9.7
0.157462	42.64	---	65.60	22.96	1000.0	9.000	L1	ON	9.7
0.191044	---	18.41	53.99	35.58	1000.0	9.000	L1	ON	9.7
0.191044	38.42	---	63.99	25.57	1000.0	9.000	L1	ON	9.7
0.713419	---	17.48	46.00	28.52	1000.0	9.000	L1	ON	9.7
0.713419	25.43	---	56.00	30.57	1000.0	9.000	L1	ON	9.7
2.321588	---	11.95	46.00	34.05	1000.0	9.000	N	ON	9.7
2.321588	20.04	---	56.00	35.96	1000.0	9.000	N	ON	9.7
10.440788	---	17.77	50.00	32.23	1000.0	9.000	N	ON	9.8
10.440788	23.98	---	60.00	36.02	1000.0	9.000	N	ON	9.8
18.171938	---	13.39	50.00	36.61	1000.0	9.000	N	ON	9.9
18.171938	19.35	---	60.00	40.65	1000.0	9.000	N	ON	9.9

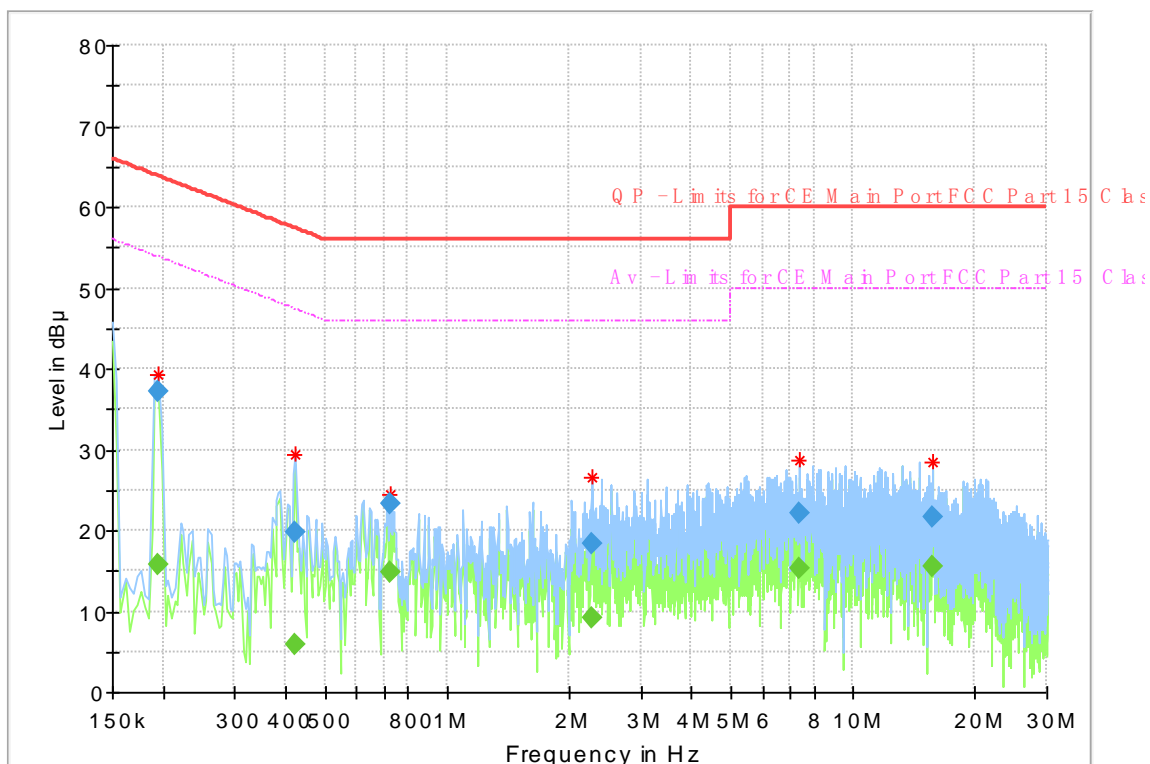
Note:

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.

Mode 1: Full System mode (N05)

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)
0.194775	---	15.75	53.83	38.08	1000.0	9.000	L1	ON	9.7
0.194775	37.20	---	63.83	26.63	1000.0	9.000	L1	ON	9.7
0.422381	---	5.87	47.40	41.53	1000.0	9.000	N	ON	9.7
0.422381	19.78	---	57.40	37.62	1000.0	9.000	N	ON	9.7
0.724612	---	14.74	46.00	31.26	1000.0	9.000	N	ON	9.7
0.724612	23.38	---	56.00	32.62	1000.0	9.000	N	ON	9.7
2.273081	---	9.20	46.00	36.80	1000.0	9.000	N	ON	9.7
2.273081	18.24	---	56.00	37.76	1000.0	9.000	N	ON	9.7
7.366238	---	15.28	50.00	34.72	1000.0	9.000	N	ON	9.8
7.366238	22.13	---	60.00	37.87	1000.0	9.000	N	ON	9.8
15.627225	---	15.59	50.00	34.41	1000.0	9.000	N	ON	9.9
15.627225	21.65	---	60.00	38.35	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.

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