



TEST REPORT

No. I19D00071-EMC01

For

Client : Toast, Inc.

Production: Data Processing Machine

Model Name : TT200/TK200/TT201/TT202

Brand Name: Toast

FCC ID: 2AMNG-TT200

IC ID: 23177-TT200

Hardware Version: CT541MB80C

Software Version: 1.2.6/121

Issued date: 2019-08-08

NOTE

1. The test results in this test report relate only to the devices specified in this report.
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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
I19D00071-EMC01	00	2019-08-08	Initial creation of test report

CONTENTS

1. TEST LABORATORY	6
1.1. TESTING LOCATION	6
1.2. TESTING ENVIRONMENT	6
1.3. PROJECT DATA.....	6
1.4. SIGNATURE.....	6
2. CLIENT INFORMATION	7
2.1. APPLICANT INFORMATION.....	7
2.2. MANUFACTURER INFORMATION.....	7
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	8
3.1. ABOUT EUT.....	8
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST	8
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST	8
4. REFERENCE DOCUMENTS.....	9
4.1. REFERENCE DOCUMENTS FOR TESTING	9
5. TEST RESULTS.....	10
5.1. SUMMARY OF TEST RESULTS.....	10
5.2. STATEMENTS.....	10
6. TEST EQUIPMENTS UTILIZED	11
6.1 RADIATED EMISSION EQUIPMENTS LIST	11
6.2 AC CONDUCTED EMISSION EQUIPMENTS LIST	11
7. SYSTEM CONFIGURATION DURING TEST.....	12
7.1 TEST MODE.....	12
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: 958356

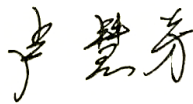
1.2. Testing Environment

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

1.3. Project data

Project Leader: Zhou Yan
Testing Start Date: 2019-05-17
Testing End Date: 2019-08-02

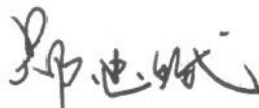
1.4. Signature



Lu Huifang
(Prepared this test report)



You Jinjun
(Reviewed this test report)



Zheng Zhongbin
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name	Toast, Inc.
Address	401 Park Drive, Suite 801, Boston, MA 02215, USA
Telephone	(562) 546-2272
Postcode	/

2.2. Manufacturer Information

Company Name	Toast, Inc.
Address	401 Park Drive, Suite 801, Boston, MA 02215, USA
Telephone	(562) 546-2272
Postcode	/

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

3.1. About EUT

ProductName	Data Processing Machine
Model name	TT200/TK200/ TT201/ TT202
Additional Communication Function	BT4.2; WIFI 802.11a,b,g,n,ac;

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01 (TT200/TK200)	LS01D94D40011	CT541MB80C	1.2.6/121	2019-05-10
N06 (TT201)	LS02D94G40001	CT541MB80C	1.2.6/121	2019-05-10
N09 (TT202)	LS02D94D40028	CT541MB80C	1.2.6/121	2019-05-10

*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	SOY-2400400	/
UC01	USB Cable	/	/
UD01	LAN Cable	/	/
EB03	Credit card machine	MAGTEK	B4A77E0 5JUN19
EA01	USB connector	/	/
EA02	USB connector	/	/
EA03	USB connector	/	/
EA04	USB connector	/	/
EA05	USB connector	/	/
AE1	Notebook PC	DELL Latitude E6510	/
AE2	U disk	Data Traveler 100 G3	/
AE3	U disk	Data Traveler 100 G3	/
AE4	U disk	Data Traveler 100 G3	/
AE5	U disk	Data Traveler 100 G3	/

*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	2019/6/21
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
ICES-003	Information Technology Equipment(Including Digital Apparatus)-Limits and Methods of Measurement	2016

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 TT200/TK200/TT201/TT202, supporting BT/WLAN.etc, manufactured by Toast, Inc. 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 three configured sample N06(TT201),N09(TT202),N01(TT200/TK200), and we mainly tested sample N06, N09 and N01 configure the sample to test the worst mode of N06.

6. Test Equipments Utilized

6.1 Radiated Emission Equipments list

Item	Instrument Name	Type	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Universal Radio	CMU200	123126	R&S	2019-05-10	1 year
2	Test Receiver	ESU40	100307	R&S	2019-05-10	1 year
3	Trilog Antenna	VULB9163	VULB9163-515	Schwarzbeck	2017-02-25	3 years
4	Double Ridged Guide	ETS-3117	00135890	ETS	2017-01-11	3 years
5	EMI Test Software	EMC32 V9.15	NA	R&S	NA	NA

6.2 AC Conducted Emission Equipments list

Item	Instrument Name	Type	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Universal Radio Communication	CMU200	123123	R&S	2019-05-10	1 year
2	Test Receiver	ESCI	101235	R&S	2019-05-10	1 year
3	2-Line V-Network	ENV216	101380	R&S	2019-05-10	1 year
4	EMI Test Software	EMC32 V10.35.0	NA	R&S	NA	NA

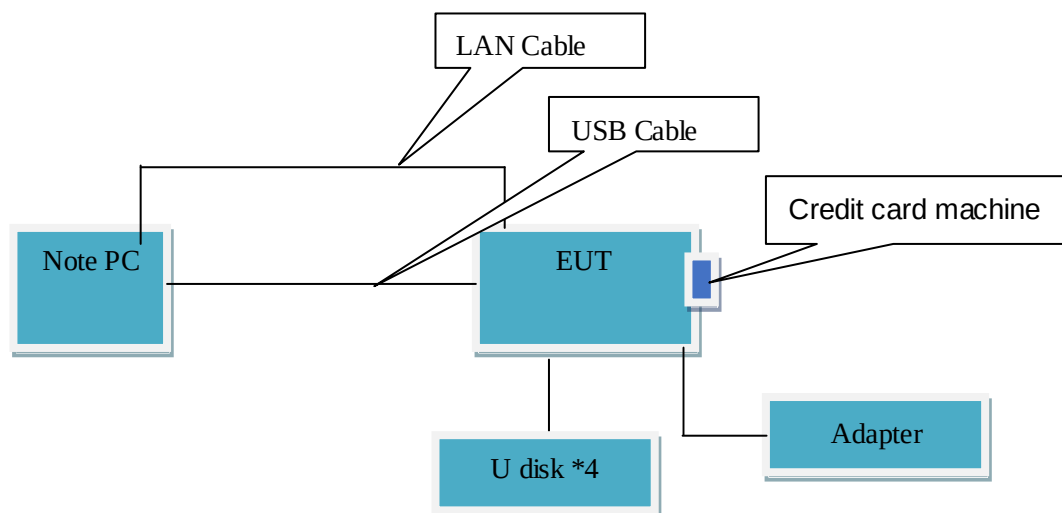
7. System Configuration during Test

7.1 Test Mode

N06&N09&N01 Sample

Test Item	Function Type
AC Conducted Emission	Mode 1: Working mode (Full system)<Figure 1>
Radiated Emission	Mode 1: Working mode (Full system)<Figure 1>
Remark: EUT connects USB cable to PC for data transmission, and through LAN cable to PC for data exchange of PING command. External Credit card machine and U disk are connected to keep working state	

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

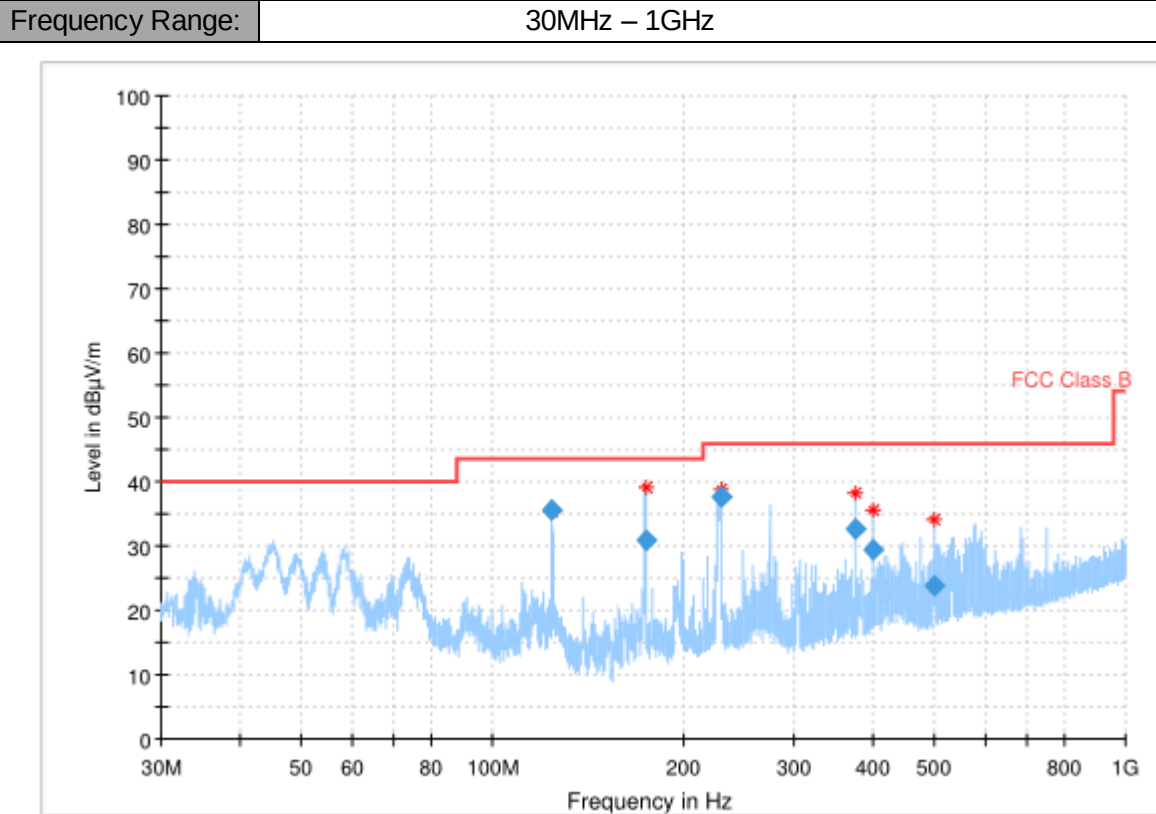
The measurement uncertainty (30MHz-1000MHz) is 4.98 dB (k=2).

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

Test Results

Sweep the whole frequency band through the range from 30MHz to the 5th harmonic of the carrier, the Emissions in the frequency band 18GHz-40GHz is more than 20dB below the limit are not report.

N06 Sample_ Mode 1: Working mode (Full system)<Figure 1>



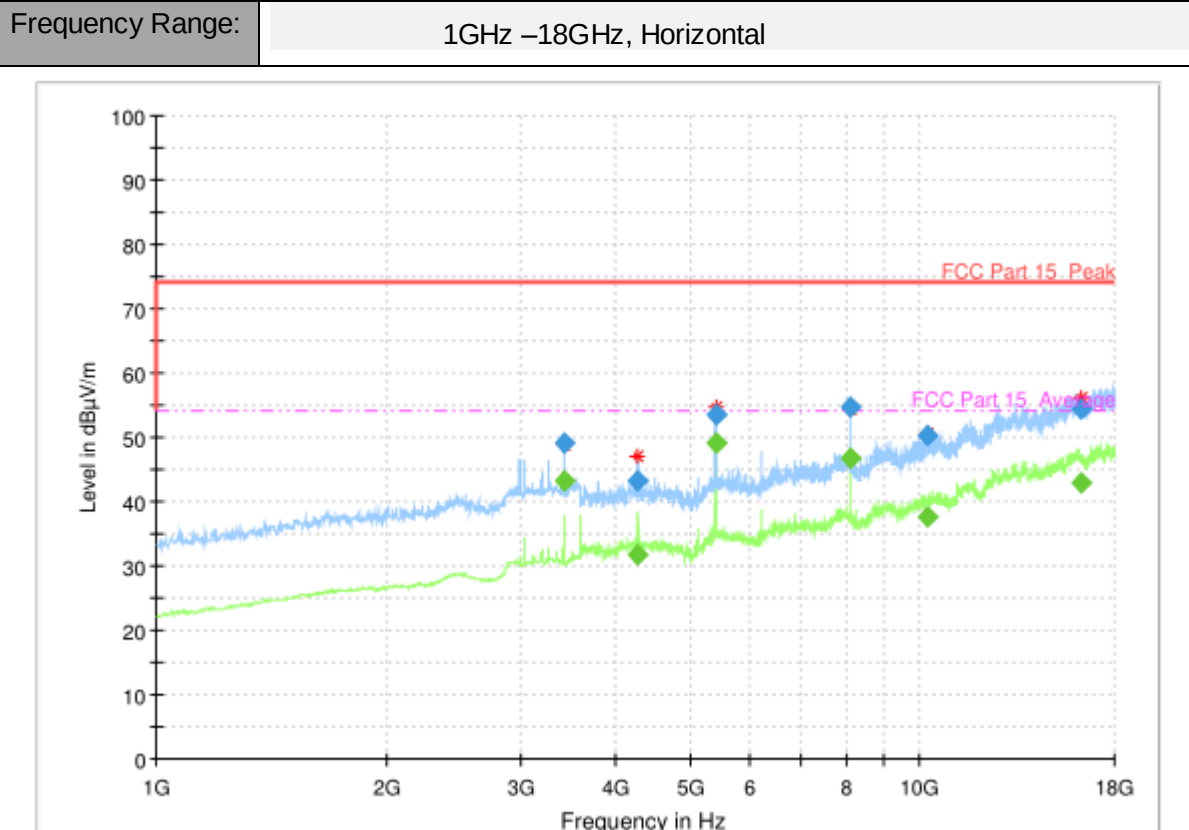
Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
124.494701	35.49	43.50	8.01	1000.0	120.000	197.0	H	110.0	-29.6
174.607136	30.79	43.50	12.71	1000.0	120.000	196.0	H	-26.0	-29.3
229.587779	37.79	46.00	8.21	1000.0	120.000	175.0	V	13.0	-27.3
374.990947	32.58	46.00	13.42	1000.0	120.000	100.0	H	109.0	-24.0
399.997680	29.49	46.00	16.51	1000.0	120.000	100.0	V	34.0	-23.5
498.346736	23.91	46.00	22.09	1000.0	120.000	222.0	H	67.0	-21.8

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.

N06 Sample_ Mode 1: Working mode (Full system)<Figure 1>



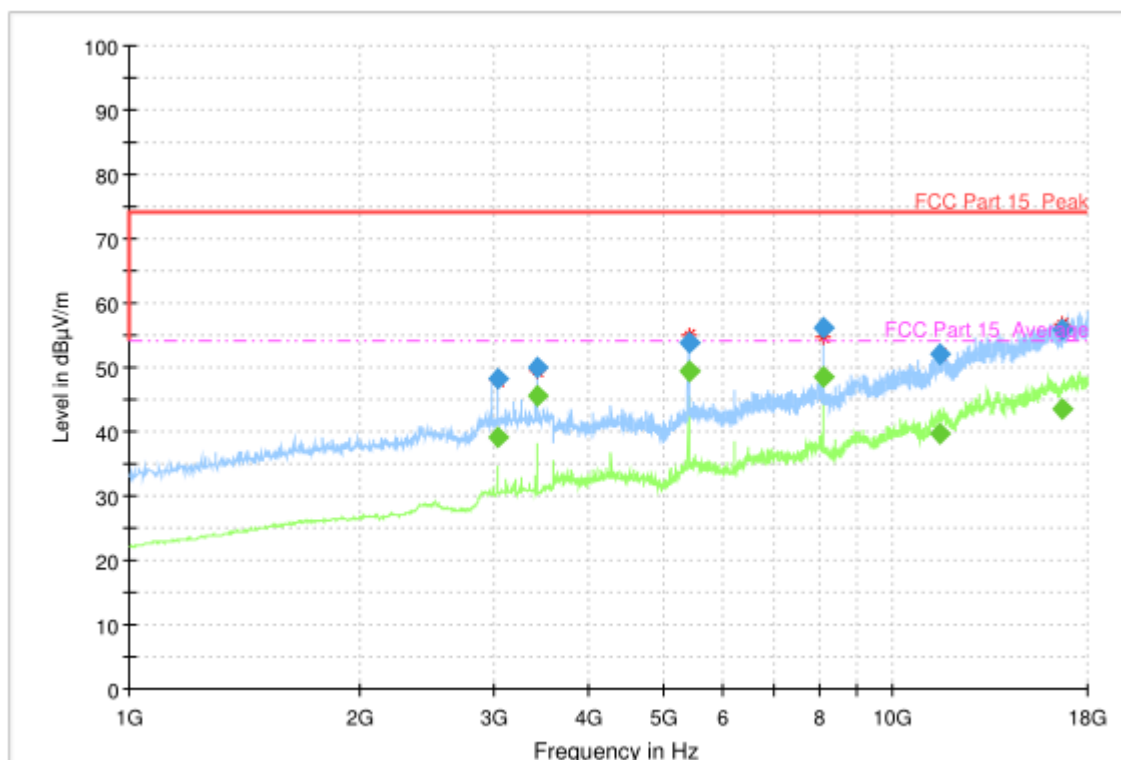
Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin	Meas. Time	Bandwidth (Hz)	Height	Polarization	Azimuth	Corr. (dB)
3424.200000	49.12	---	74.00	24.88	100.0	1000.000	155.0	H	137.0	-0.3
3424.200000	---	43.22	54.00	10.78	100.0	1000.000	155.0	H	137.0	-0.3
4278.600000	43.29	---	74.00	30.71	100.0	1000.000	155.0	H	63.0	1.5
4278.600000	---	31.66	54.00	22.34	100.0	1000.000	155.0	H	63.0	1.5
5400.000000	53.67	---	74.00	20.33	100.0	1000.000	155.0	H	116.0	4.3
5400.000000	---	49.14	54.00	4.86	100.0	1000.000	155.0	H	116.0	4.3
8100.200000	54.73	---	74.00	19.27	100.0	1000.000	155.0	H	147.0	9.3
8100.200000	---	46.76	54.00	7.24	100.0	1000.000	155.0	H	147.0	9.3
10250.600000	50.17	---	74.00	23.83	100.0	1000.000	155.0	H	0.0	12.2
10250.600000	---	37.58	54.00	16.42	100.0	1000.000	155.0	H	0.0	12.2
16246.600000	54.32	---	74.00	19.68	100.0	1000.000	155.0	H	0.0	22.4
16246.600000	---	42.82	54.00	11.18	100.0	1000.000	155.0	H	0.0	22.4

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.

Frequency Range: 1GHz –18GHz, Vertical



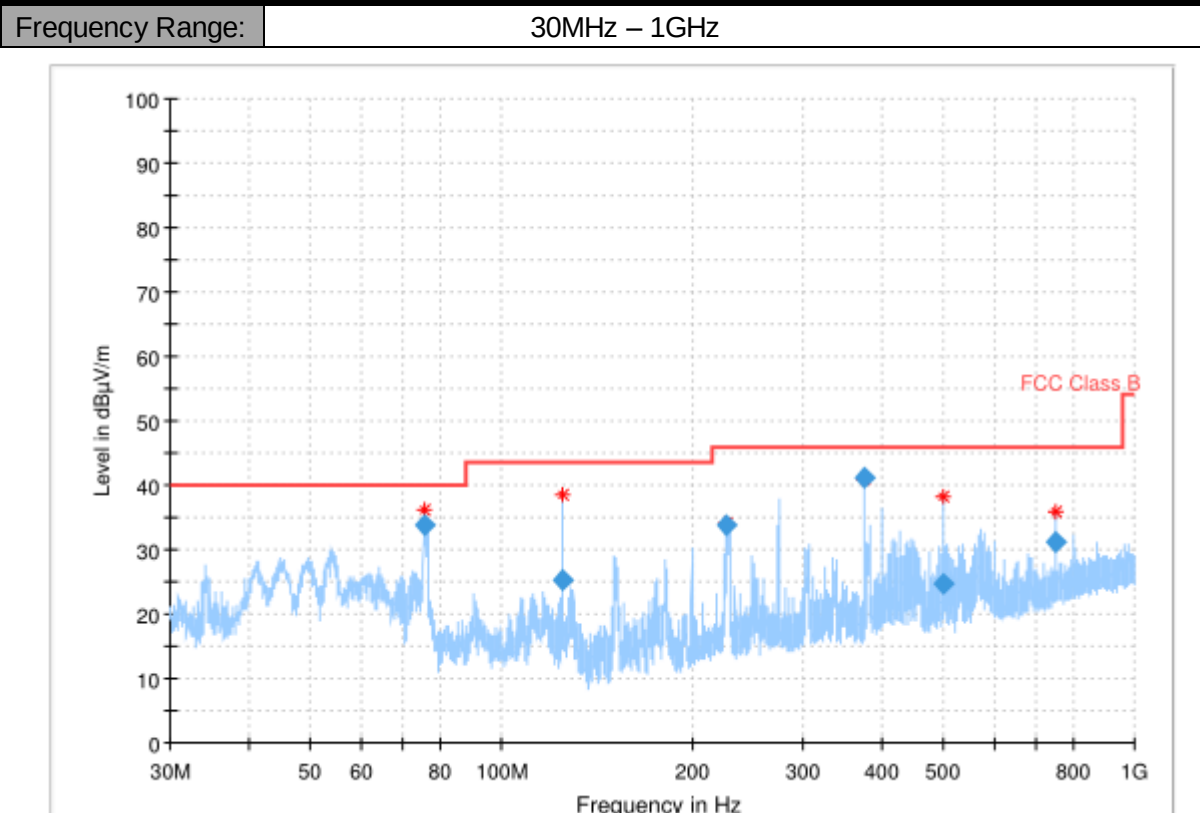
Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth h	Heigh t	Po l	Azim uth	Corr. (dB)
3040.000000	---	39.11	54.00	14.89	100.0	1000.000	155.0	V	65.0	-1.1
3040.000000	48.30	---	74.00	25.70	100.0	1000.000	155.0	V	65.0	-1.1
3423.800000	---	45.61	54.00	8.39	100.0	1000.000	155.0	V	117.0	-0.3
3423.800000	50.11	---	74.00	23.89	100.0	1000.000	155.0	V	117.0	-0.3
5399.800000	---	49.42	54.00	4.58	100.0	1000.000	155.0	V	117.0	4.3
5399.800000	53.88	---	74.00	20.12	100.0	1000.000	155.0	V	117.0	4.3
8099.400000	---	48.56	54.00	5.44	100.0	1000.000	155.0	V	149.0	9.3
8099.400000	56.22	---	74.00	17.78	100.0	1000.000	155.0	V	149.0	9.3
11506.000000	52.20	---	74.00	21.80	100.0	1000.000	155.0	V	275.0	15.1
11506.000000	---	39.82	54.00	14.18	100.0	1000.000	155.0	V	275.0	15.1
16701.400000	55.77	---	74.00	18.23	100.0	1000.000	155.0	V	243.0	23.5
16701.400000	---	43.55	54.00	10.45	100.0	1000.000	155.0	V	243.0	23.5

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.

N09 Sample_ Mode 1: Working mode (Full system)<Figure 1>



Final Result

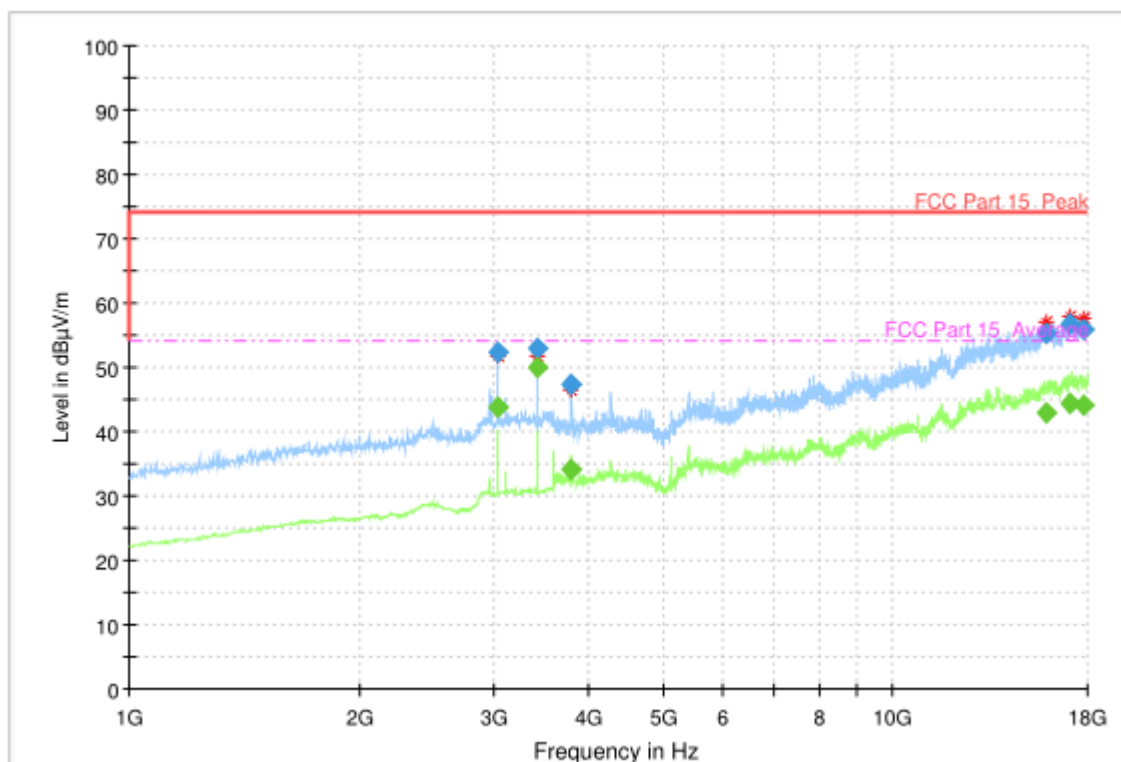
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
75.505605	33.94	40.00	6.06	1000.0	120.000	222.0	H	23.0	-30.7
124.793523	25.43	43.50	18.07	1000.0	120.000	180.0	H	25.0	-29.6
226.399155	33.76	46.00	12.24	1000.0	120.000	125.0	H	55.0	-27.2
374.996795	41.15	46.00	4.85	1000.0	120.000	105.0	H	96.0	-24.0
497.719997	24.81	46.00	21.19	1000.0	120.000	125.0	V	244.0	-21.8
749.999747	31.23	46.00	14.77	1000.0	120.000	100.0	H	101.0	-16.6

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.

N09 Sample_ Mode 1: Working mode (Full system)<Figure 1>

Frequency Range: 1GHz –18GHz, Horizontal



Final Result

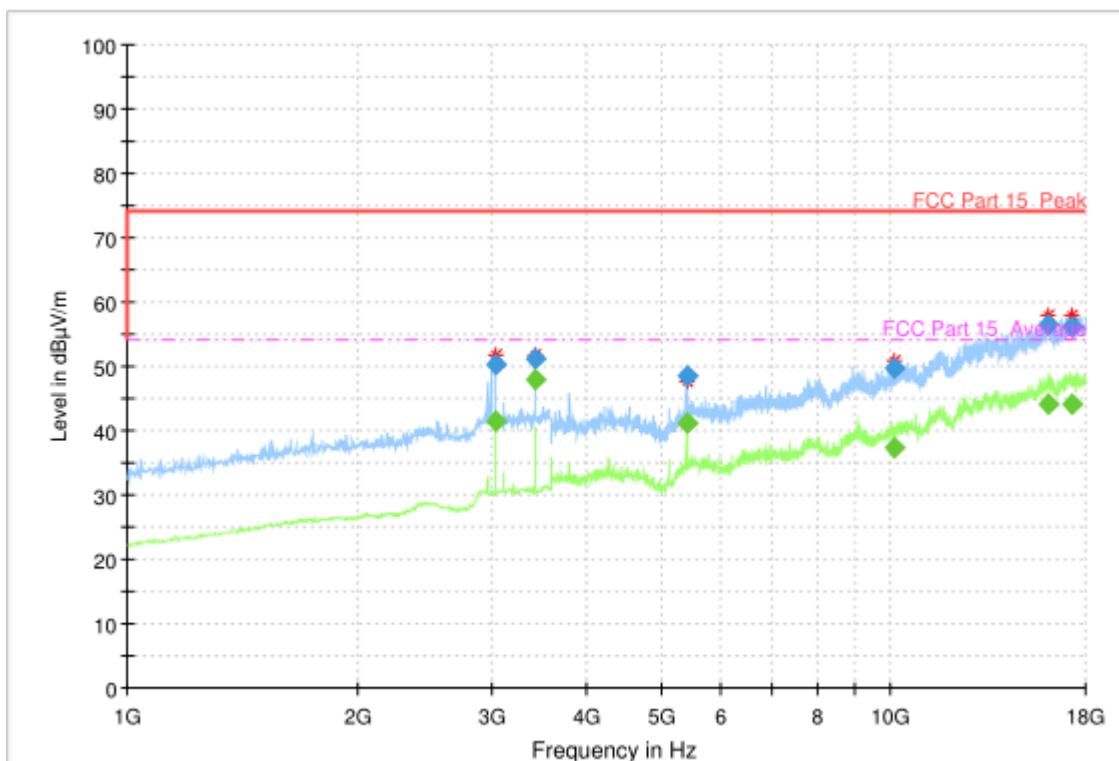
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin	Meas. Time	Bandwidth (Hz)	Height	Polarization	Azimuth	Corr. (dB)
3039.800000	52.23	---	74.00	21.77	100.0	1000.000	155.0	H	359.0	-1.1
3039.800000	---	43.72	54.00	10.28	100.0	1000.000	155.0	H	359.0	-1.1
3424.000000	---	50.02	54.00	3.98	100.0	1000.000	155.0	H	287.0	-0.3
3424.000000	53.08	---	74.00	20.92	100.0	1000.000	155.0	H	287.0	-0.3
3799.200000	---	34.26	54.00	19.74	100.0	1000.000	155.0	H	318.0	0.4
3799.200000	47.31	---	74.00	26.69	100.0	1000.000	155.0	H	318.0	0.4
15847.400000	55.18	---	74.00	18.82	100.0	1000.000	155.0	H	27.0	21.9
15847.400000	---	42.87	54.00	11.13	100.0	1000.000	155.0	H	27.0	21.9
17025.200000	---	44.30	54.00	9.70	100.0	1000.000	155.0	H	0.0	23.8
17025.200000	56.77	---	74.00	17.23	100.0	1000.000	155.0	H	0.0	23.8
17746.000000	---	44.06	54.00	9.94	100.0	1000.000	155.0	H	16.0	24.2
17746.000000	55.88	---	74.00	18.12	100.0	1000.000	155.0	H	16.0	24.2

Note:

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

Frequency Range:

1GHz –18GHz, Vertical



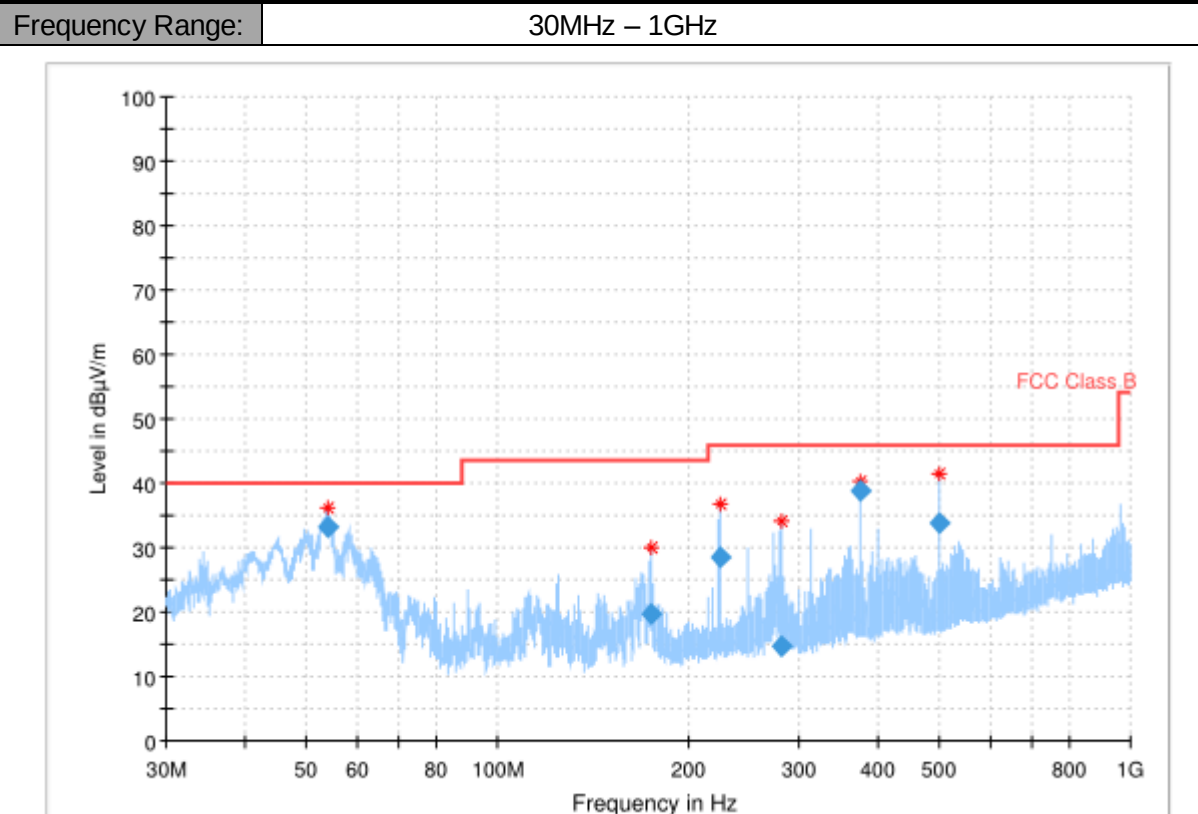
Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth h	Heigh t	Po l	Azim uth	Corr. (dB)
3040.200000	---	41.56	54.00	12.44	100.0	1000.000	155.0	V	267.0	-1.1
3040.200000	50.37	---	74.00	23.63	100.0	1000.000	155.0	V	267.0	-1.1
3424.000000	---	47.92	54.00	6.08	100.0	1000.000	155.0	V	296.0	-0.3
3424.000000	51.32	---	74.00	22.68	100.0	1000.000	155.0	V	296.0	-0.3
5399.800000	48.66	---	74.00	25.34	100.0	1000.000	155.0	V	216.0	4.3
5399.800000	---	41.25	54.00	12.75	100.0	1000.000	155.0	V	216.0	4.3
10084.800000	49.70	---	74.00	24.30	100.0	1000.000	155.0	V	177.0	11.5
10084.800000	---	37.46	54.00	16.54	100.0	1000.000	155.0	V	177.0	11.5
16090.200000	---	44.14	54.00	9.86	100.0	1000.000	155.0	V	44.0	22.5
16090.200000	56.39	---	74.00	17.61	100.0	1000.000	155.0	V	44.0	22.5
17296.400000	---	44.16	54.00	9.84	100.0	1000.000	155.0	V	44.0	24.1
17296.400000	56.15	---	74.00	17.85	100.0	1000.000	155.0	V	44.0	24.1

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 Sample_ Mode 1: Working mode (Full system)<Figure 1>



Final Result

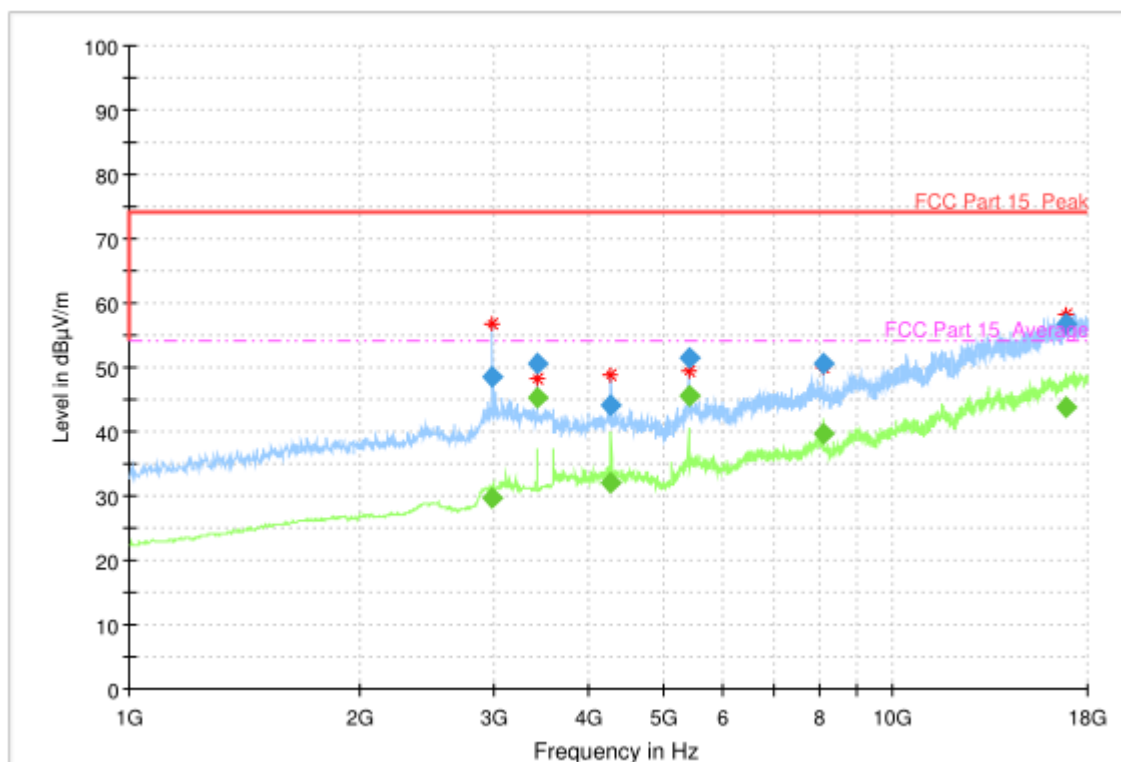
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
53.876851	33.34	40.00	6.66	1000.0	120.000	100.0	V	234.0	-25.8
175.018704	19.68	43.50	23.82	1000.0	120.000	100.0	V	279.0	-29.3
224.912176	28.48	46.00	17.52	1000.0	120.000	125.0	H	61.0	-27.4
280.796493	14.71	46.00	31.29	1000.0	120.000	100.0	H	168.0	-25.9
374.979995	38.72	46.00	7.28	1000.0	120.000	100.0	H	178.0	-24.0
500.000133	33.96	46.00	12.04	1000.0	120.000	196.0	H	46.0	-21.8

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 Sample_ Mode 1: Working mode (Full system)<Figure 1>

Frequency Range: 1GHz –18GHz, Horizontal



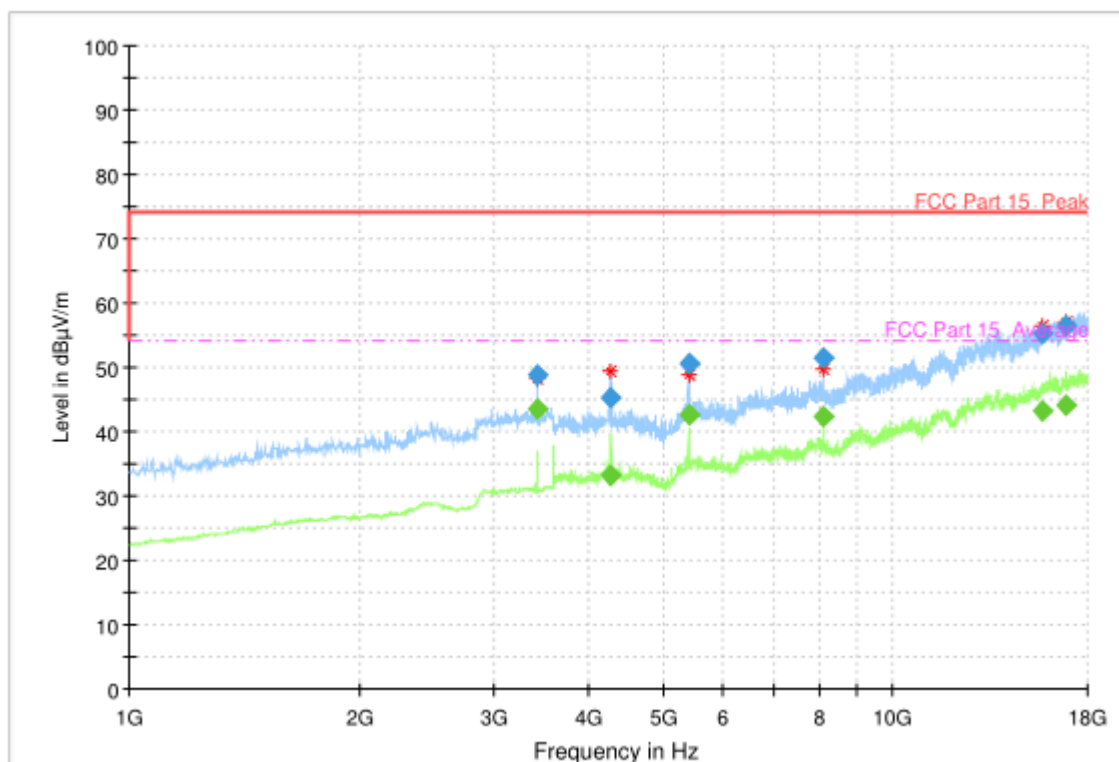
Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin	Meas. Time	Bandwidth (Hz)	Height	Polarization	Azimuth	Corr. (dB)
2988.400000	---	29.70	54.00	24.30	100.0	1000.000	155.0	H	317.0	-1.2
2988.400000	48.40	---	74.00	25.60	100.0	1000.000	155.0	H	317.0	-1.2
3424.200000	50.72	---	74.00	23.28	100.0	1000.000	155.0	H	285.0	-0.3
3424.200000	---	45.30	54.00	8.70	100.0	1000.000	155.0	H	285.0	-0.3
4277.000000	43.99	---	74.00	30.01	100.0	1000.000	155.0	H	0.0	1.5
4277.000000	---	32.03	54.00	21.97	100.0	1000.000	155.0	H	0.0	1.5
5399.800000	51.41	---	74.00	22.59	100.0	1000.000	155.0	H	0.0	4.3
5399.800000	---	45.54	54.00	8.46	100.0	1000.000	155.0	H	0.0	4.3
8099.400000	---	39.68	54.00	14.32	100.0	1000.000	155.0	H	339.0	9.3
8099.400000	50.64	---	74.00	23.36	100.0	1000.000	155.0	H	339.0	9.3
16865.200000	56.71	---	74.00	17.29	100.0	1000.000	155.0	H	0.0	23.3
16865.200000	---	43.80	54.00	10.20	100.0	1000.000	155.0	H	0.0	23.3

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.

Frequency Range: 1GHz –18GHz, Vertical



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth h	Heigh t	Po l	Azim uth	Corr. (dB)
3423.800000	48.92	---	74.00	25.08	100.0	1000.000	155.0	V	26.0	-0.3
3423.800000	---	43.45	54.00	10.55	100.0	1000.000	155.0	V	26.0	-0.3
4278.600000	45.17	---	74.00	28.83	100.0	1000.000	155.0	V	0.0	1.5
4278.600000	---	33.24	54.00	20.76	100.0	1000.000	155.0	V	0.0	1.5
5400.000000	---	42.67	54.00	11.33	100.0	1000.000	155.0	V	338.0	4.3
5400.000000	50.48	---	74.00	23.52	100.0	1000.000	155.0	V	338.0	4.3
8100.000000	---	42.27	54.00	11.73	100.0	1000.000	155.0	V	338.0	9.3
8100.000000	51.47	---	74.00	22.53	100.0	1000.000	155.0	V	338.0	9.3
15676.800000	---	43.28	54.00	10.72	100.0	1000.000	155.0	V	171.0	21.7
15676.800000	55.19	---	74.00	18.81	100.0	1000.000	155.0	V	171.0	21.7
16891.800000	---	44.08	54.00	9.92	100.0	1000.000	155.0	V	295.0	23.3
16891.800000	56.61	---	74.00	17.39	100.0	1000.000	155.0	V	295.0	23.3

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 AC 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

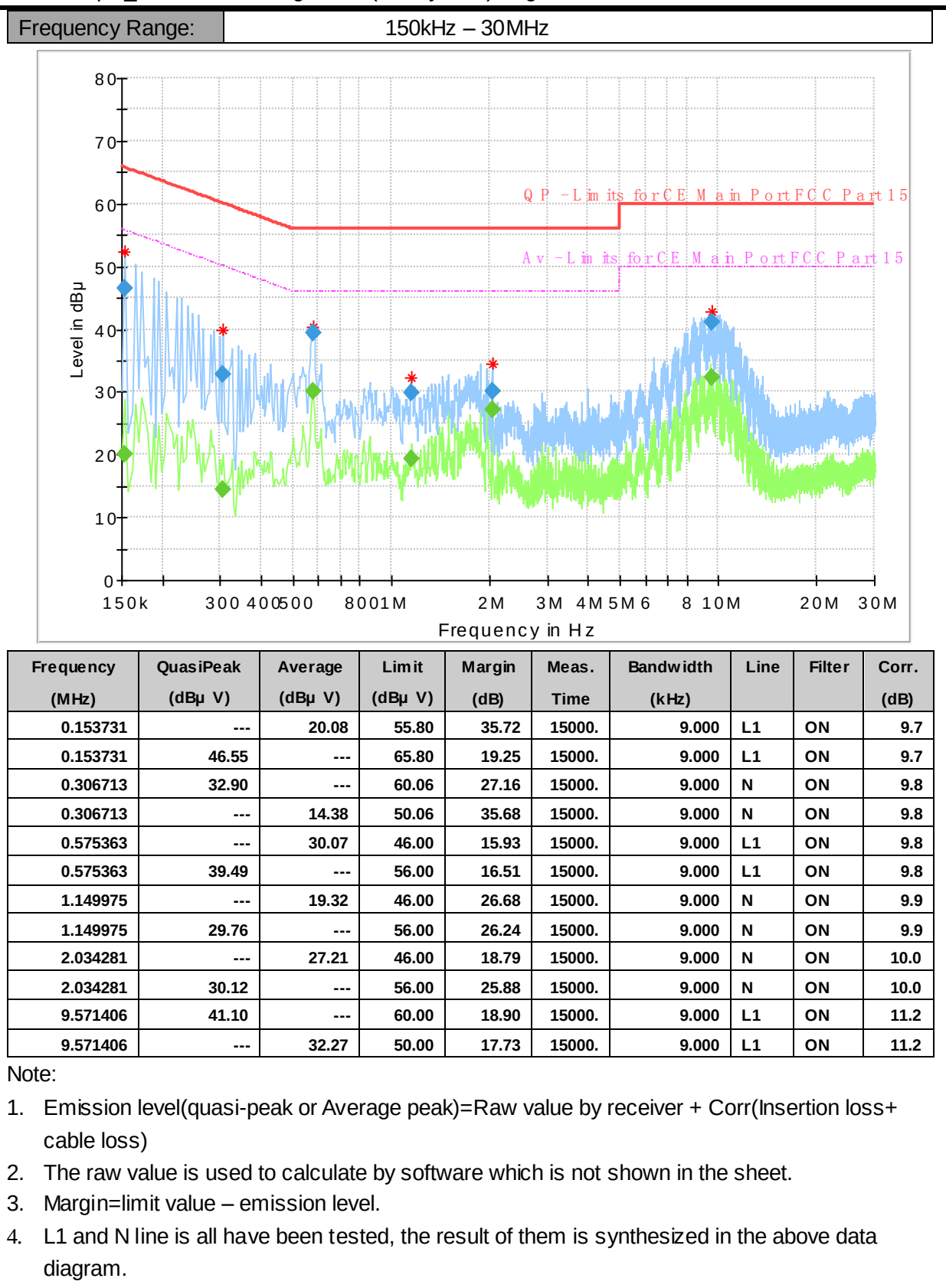
Voltage (V)	Frequency (Hz)	RBW	Sweep Time (s)
120	60	9 kHz	Auto

Uncertainty Measurement

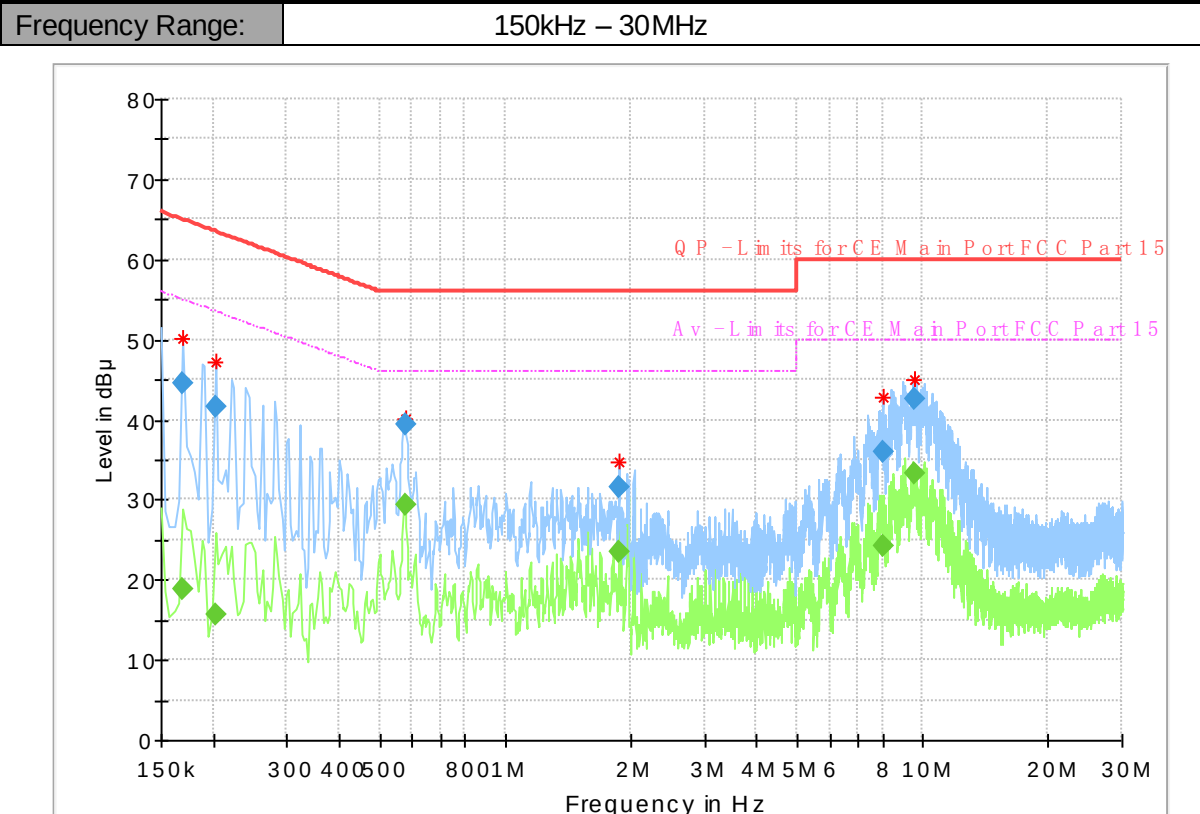
The measurement uncertainty is 3.66dB (k=2).

Test Results

N06 Sample_ Mode 1: Working mode (Full system)<Figure 1>



N09 Sample_ Mode 1: Working mode (Full system)<Figure 1>



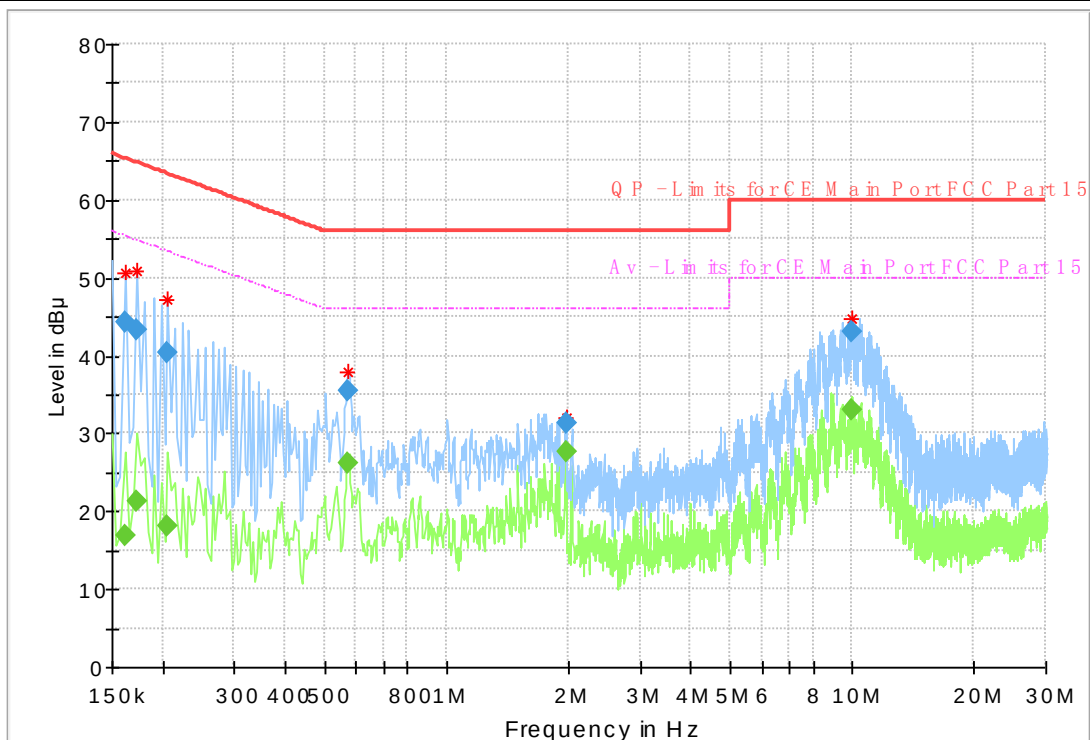
Frequency (MHz)	QuasiPeak (dBμ V)	Average (dBμ V)	Limit (dBμ V)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.168656	44.53	---	65.03	20.50	15000.	9.000	N	ON	9.8
0.168656	---	18.74	55.03	36.29	15000.	9.000	N	ON	9.8
0.202238	---	15.63	53.52	37.89	15000.	9.000	N	ON	9.8
0.202238	41.58	---	63.52	21.94	15000.	9.000	N	ON	9.8
0.575363	---	29.31	46.00	16.69	15000.	9.000	L1	ON	9.8
0.575363	39.35	---	56.00	16.65	15000.	9.000	L1	ON	9.8
1.870106	31.53	---	56.00	24.47	15000.	9.000	L1	ON	10.0
1.870106	---	23.38	46.00	22.62	15000.	9.000	L1	ON	10.0
8.000550	---	24.29	50.00	25.71	15000.	9.000	L1	ON	10.9
8.000550	35.99	---	60.00	24.01	15000.	9.000	L1	ON	10.9
9.567675	---	33.19	50.00	16.82	15000.	9.000	L1	ON	11.2
9.567675	42.46	---	60.00	17.54	15000.	9.000	L1	ON	11.2

Note:

- Emission level(quasi-peak or Average peak)=Raw value by receiver + Corr(Insertion loss+ cable loss)
- The raw value is used to calculate by software which is not shown in the sheet.
- Margin=limit value – emission level.
- L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.

N01 Sample_ Mode 1: Working mode (Full system)<Figure 1>

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)
0.161194	---	16.82	55.40	38.58	15000.	9.000	N	ON	9.8
0.161194	44.29	---	65.40	21.11	15000.	9.000	N	ON	9.8
0.172388	---	21.20	54.85	33.64	15000.	9.000	N	ON	9.8
0.172388	43.21	---	64.85	21.63	15000.	9.000	N	ON	9.8
0.205969	40.30	---	63.37	23.07	15000.	9.000	N	ON	9.8
0.205969	---	18.06	53.37	35.31	15000.	9.000	N	ON	9.8
0.571631	---	26.30	46.00	19.70	15000.	9.000	L1	ON	9.8
0.571631	35.41	---	56.00	20.59	15000.	9.000	L1	ON	9.8
1.970850	---	27.54	46.00	18.46	15000.	9.000	L1	ON	10.0
1.970850	31.25	---	56.00	24.75	15000.	9.000	L1	ON	10.0
9.937069	43.07	---	60.00	16.93	15000.	9.000	L1	ON	11.3
9.937069	---	33.10	50.00	16.90	15000.	9.000	L1	ON	11.3

Note:

9. Emission level(quasi-peak or Average peak)=Raw value by receiver + Corr(Insertion loss+ cable loss)
10. The raw value is used to calculate by software which is not shown in the sheet.
11. Margin=limit value – emission level.
12. L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.

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