



TEST REPORT

No. I20D00140-SRD07

For

Client: Datalogic S.r.l.

Production: Smartphone

Model Name: MEMOR 10

Brand Name: Datalogic

FCC ID : U4GDL35US

Hardware Version: V00 (US)

Software Version: 2.05.07.20190919

Issued date: 2020-11-12

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. For the test results, the uncertainty of measurement is not taken into account when judging the compliance with specification, and the results of measurement or the average value of measurement results are taken as the criterion of the compliance with specification directly.

Test Laboratory:

East China Institute of Telecommunications

Add: Block No.4, No.766, Jingang Road, Pudong District, Shanghai, P. R. China

Tel: +86 21 63843300

E-Mail: welcome@ecit.org.cn

Revision Version

Report Number	Revision	Date	Memo
I20D00140-SRD07	00	2020-11-05	Initial creation of test report
I20D00140-SRD07	01	2020-11-12	First modification of test report

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1. Test Laboratory

1.1. Testing Location

Company Name	East China Institute of Telecommunications
Address	Block No.4, No.766, Jingang Road, Pudong District, Shanghai, P. R. China
Postal Code	201206
Telephone	+86 21 63843300
FCC registration No	CN1177

1.2. Testing Environment

Normal Temperature	15°C-35°C
Relative Humidity	20%-75%

1.3. Project Data

Project Leader	Chen Minfei
Testing Start Date	2020-09-16
Testing End Date	2020-10-20

1.4. Signature



Liu Yan

(Prepared this test report)



Fan Songyan

(Reviewed this test report)



Zheng Zhongbin

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name	Datalogic S.r.l.
Address	Via San Vitalino no. 13, Calderara di Reno – 40012 (BO) - Italy
Telephone	+39 051 314 72 16
Postcode	/

2.2. Manufacturer Information

Company Name	MOBIWIRE MOBILES (NINGBO) CO.,LTD
Address	No.999,Dacheng East Road,FenghuaCity,Zhejiang Province, China.
Telephone	+86 574 59555707
Postcode	/

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

3.1. About EUT

Production	Smartphone
Model name	MEMOR 10
WLAN (5G)	20 MHz: 802.11 a/n/ac 40 MHz: 802.11 n/ac 80 MHz: 802.11 ac
Frequency Range	UNII 1: 5150MHz-5250MHz UNII 2A: 5250MHz-5350MHz UNII 2C: 5470MHz-5725MHz
WLAN type of modulation	OFDM
Extreme Temperature	-20/+50°C
Nominal Voltage	3.80V
Extreme High Voltage	4.35V
Extreme Low Voltage	3.60V

Note:

- a. Photographs of EUT are shown in ANNEX A of this test report.
- b. The value of the antenna gain is provided by the customer. For specific antenna information, please check the antenna specifications of the customer.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01(HE)	358328100030199	V00 (US)	2.05.07.20190919	2020-09-22
N02(LE)	359737090161724	V00 (US)	2.05.07.20190919	2020-09-22

*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	Type	Manufacturer
AE1	RF cable	---	AE1

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

4. Reference Documents

4.1. Documents supplied by applicant

All technical documents are supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

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

Reference	Title	Version
FCC Part15	Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices	2018-10-01
ANSI 63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
KDB 789033	Information Infrastructure (U-NII) Devices - Part 15, Subpart E	2017
KDB 905462	COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION	2016

5. Test Results

5.1. Summary of Test Results

Measurement Items	Sub-clause of Part15	Verdict
Band edge compliance	15.407	P
Transmitter spurious emissions radiated	15.407	P
Spurious emissions radiated < 30 MHz	15.407	P

Note: Please refer to section 6 for detail; please refer to Annex A in this test report for the detailed test results.

The following terms are used in the above table.

P	Pass, the EUT complies with the essential requirements in the standard.
NP	Not Perform, the test was not performed by ECIT.
NA	Not Applicable, the test was not applicable.
F	Fail, the EUT does not comply with the essential requirements in the standard.

Test Conditions

Tnom	Normal Temperature
Tmin	Low Temperature
Tmax	High Temperature
Vnom	Normal Voltage
Vmin	Low Voltage
Vmax	High Voltage
Hnom	Norm Humidity
Anom	Norm Air Pressure

For this report, all the test case listed above are tested under Normal Temperature and Normal Voltage, and also under norm humidity, the specific conditions as following:

Temperature	Tnom	25°C
Voltage	Vnom	3.8V
Humidity	Hnom	48%
Air Pressure	Anom	1010hPa

5.2. Statements

The MEMOR 10 is a variant product for testing.

ECIT only performed test cases which identified with P/NP/NA/F results in Annex A.

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 report only provides radiation data, and radiation data includes HE and LE scanning head, N01 corresponding to HE scanning head, N02 corresponding to LE scanning head, providing the worst mode data. The remaining data results please refer to report I18D00140-SRD07-5GWLAN which was prepared by East China Institute of Telecommunications.

6. Test Equipments Utilized

6.1. Radiated Emission Test System

Item	Instrument Name	Type	SN	Manufacturer	Cal. Date	Cal. interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	2020-05-10	1 year
2	EMI Test Receiver	ESU40	100307	R&S	2020-05-10	1 year
3	TRILOG Broadband Antenna	VULB9163	VULB9163-515	Schwarzbeck	2020-02-28	2 years
4	Double- ridged Waveguide Antenna	ETS-3117	00135890	ETS	2020-02-28	2 years
5	2-Line V-Network	ENV216	101380	R&S	2020-05-10	1 year
6	Loop Antenna	AL-130R	121083	COM-POWER	2019-03-26	3 years

Anechoic chamber

Fully anechoic chamber by ETS.

7. Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in ECIT documents . The detailed measurement uncertainty is defined in ECIT documents.

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Peak Output Power-Conducted	5100MHz-5850MHz	95%	$\pm 1.024\text{dB}$
Peak Power Spectral Density	5100MHz-5850MHz	95%	$\pm 1.024\text{dB}$
Occupied 6dB Bandwidth	5100MHz-5850MHz	95%	$\pm 62.04\text{Hz}$
Frequency Band Edges-Conducted	5100MHz-5850MHz	95%	$\pm 1.024\text{dB}$
Conducted Emission	30MHz-2GHz	95%	$\pm 0.90\text{dB}$
Conducted Emission	2GHz-3.6GHz	95%	$\pm 0.88\text{dB}$
Conducted Emission	3.6GHz-8GHz	95%	$\pm 0.96\text{dB}$
Conducted Emission	8GHz-20GHz	95%	$\pm 0.94\text{dB}$
Conducted Emission	20GHz-22GHz	95%	$\pm 0.88\text{dB}$
Conducted Emission	22GHz-26GHz	95%	$\pm 0.86\text{dB}$
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	$\pm 5.66\text{dB}$
Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	$\pm 4.98\text{dB}$
Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	$\pm 5.06\text{dB}$
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	$\pm 5.20\text{dB}$
AC Power line Conducted Emission	0.15MHz-30MHz	95%	$\pm 3.66\text{ dB}$

8. Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5 Ω

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. =30 %, Max. = 60 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.9 meters×10.9 meters×5.4 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB,30MHz to 1GHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

ANNEX A. Detailed Test Results

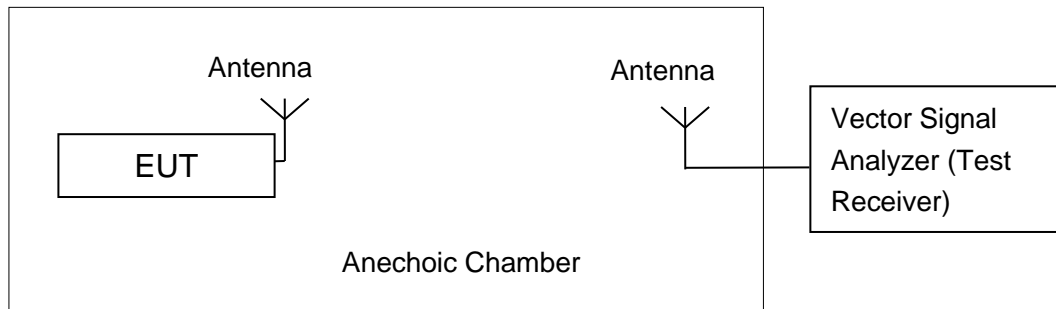
ANNEX A.1. Measurement Method

A.1.1. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,

Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 10Hz;



The measurement is made according to KDB 789033

The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.

ANNEX A.2. Band Edges Compliance

A.2.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit (dB μ V/m)	
	FCC 47 CFR Part 15.209	Peak
	Average	54

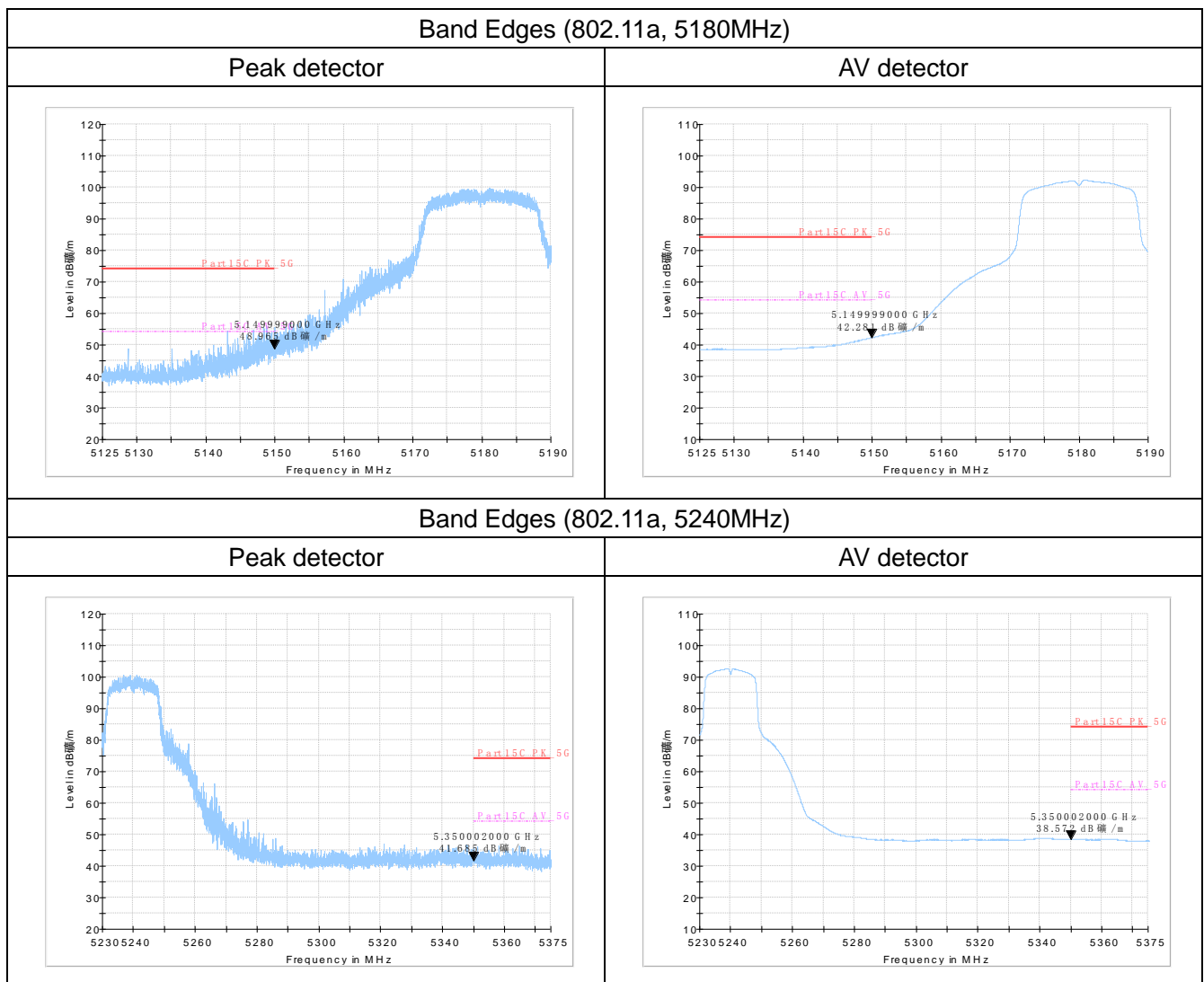
The measurement is made according to KDB 789033.

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Measurement Result:

HE test data

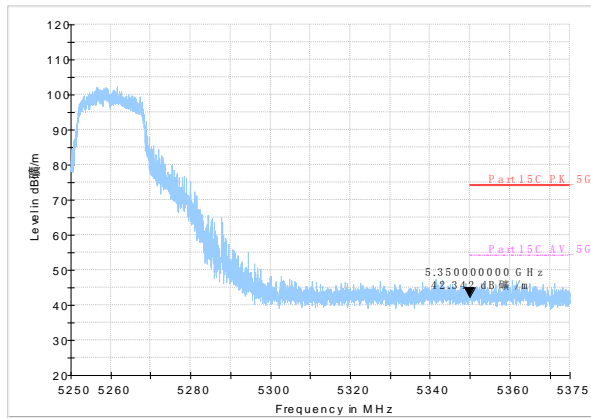
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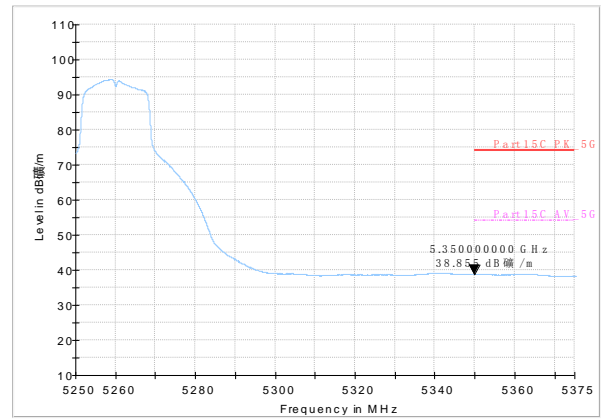
U-NII-2A:

Band Edges (802.11a, 5260MHz)

Peak detector

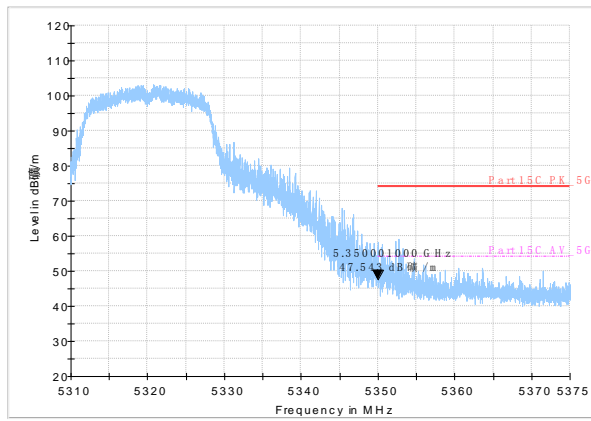


AV detector

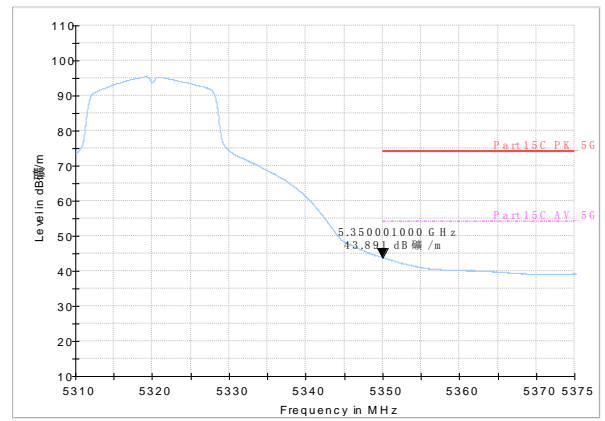


Band Edges (802.11a, 5320MHz)

Peak detector



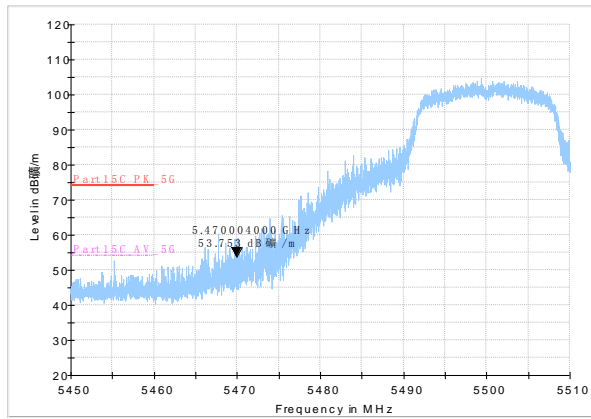
AV detector



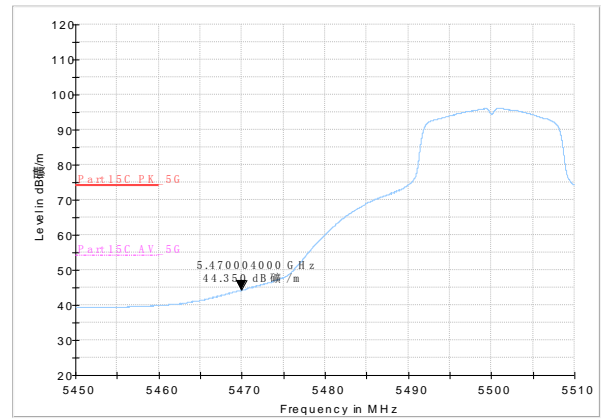
U-NII-2C:

Band Edges (802.11a, 5550MHz)

Peak detector

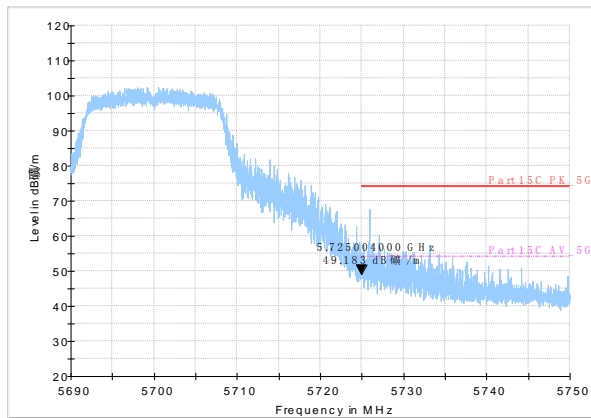


AV detector

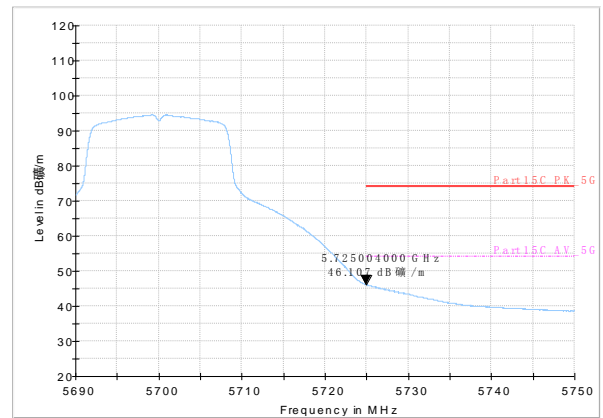


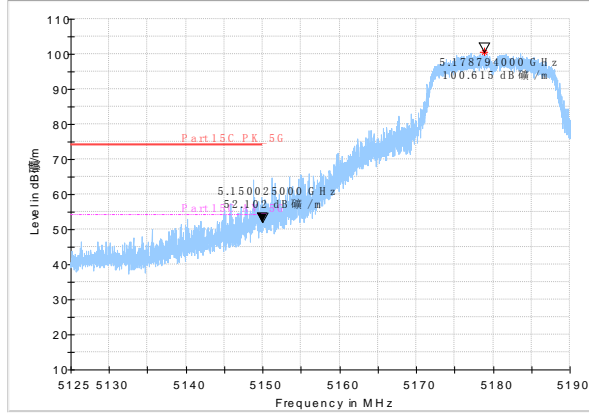
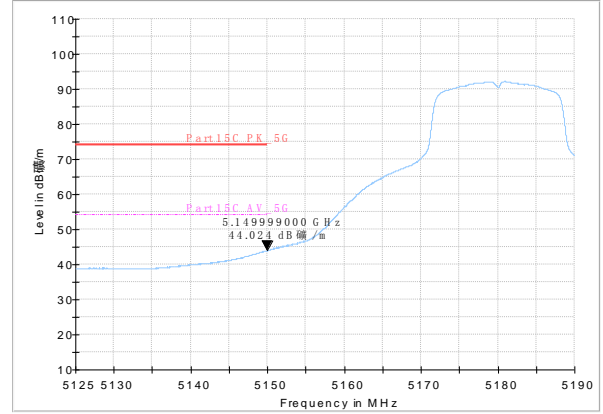
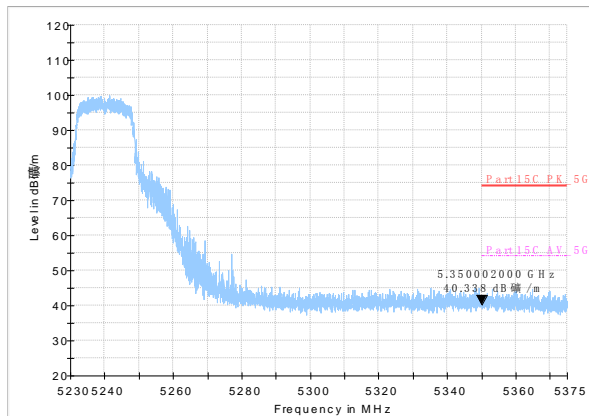
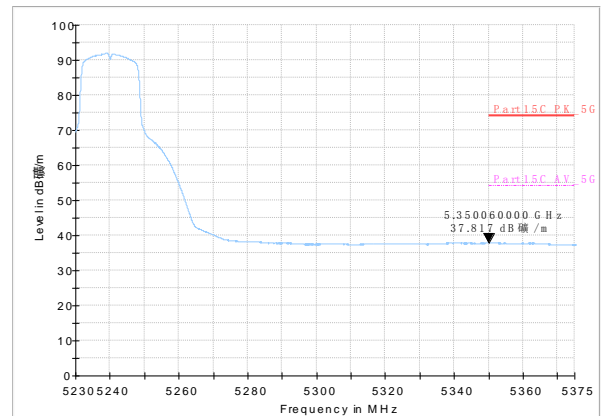
Band Edges (802.11a, 5700MHz)

Peak detector



AV detector

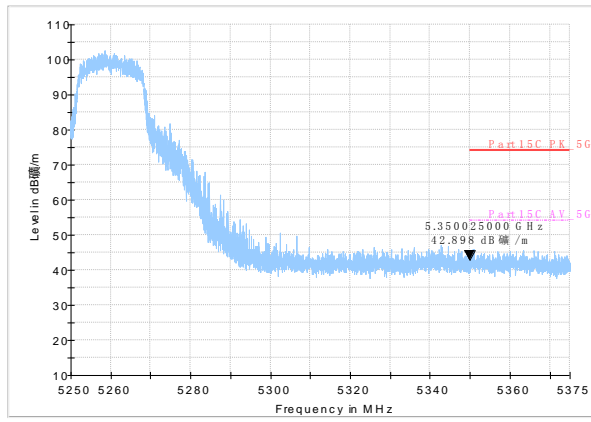


LE test data
U-NII-1:
Band Edges (802.11a, 5180MHz)
Peak detector

AV detector

Band Edges (802.11a, 5240MHz)
Peak detector

AV detector


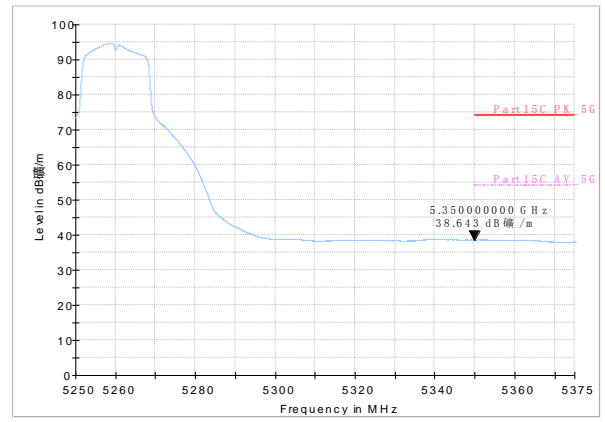
U-NII-2A:

Band Edges (802.11a, 5260MHz)

Peak detector

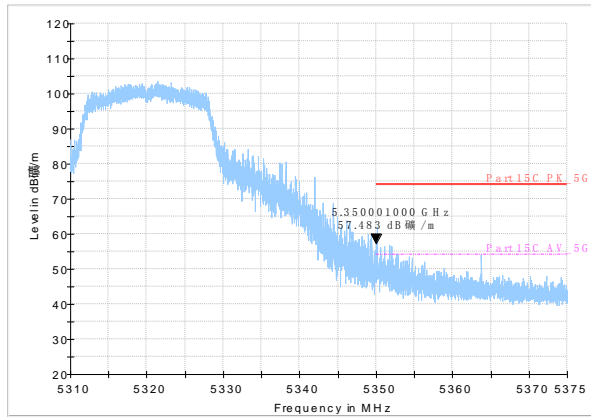


AV detector

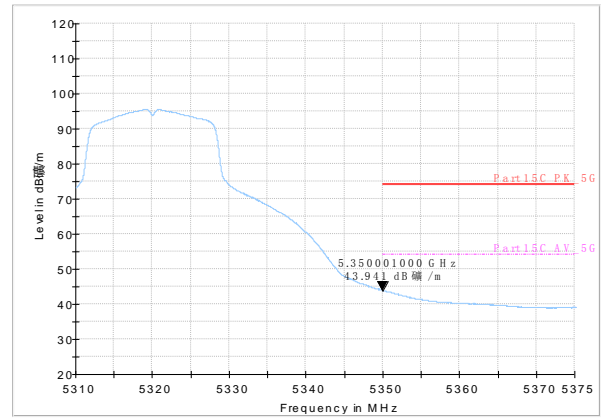


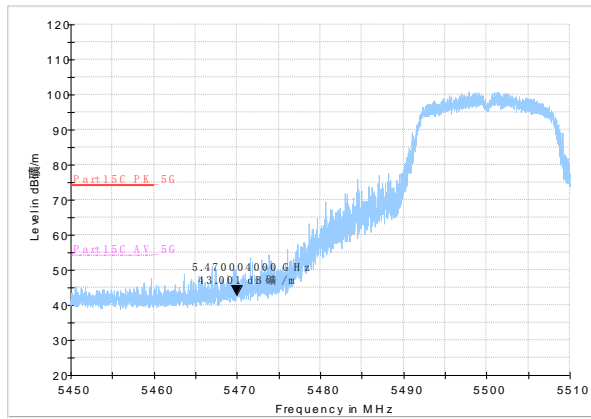
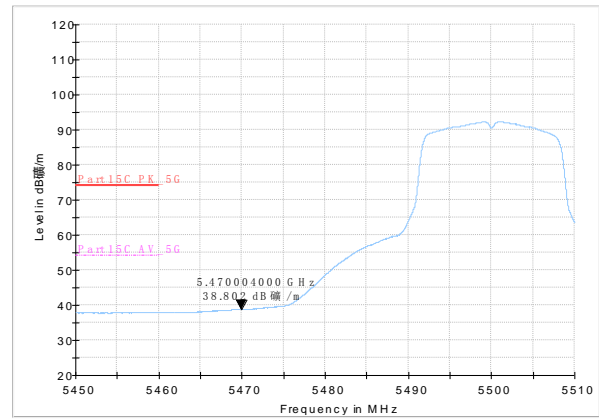
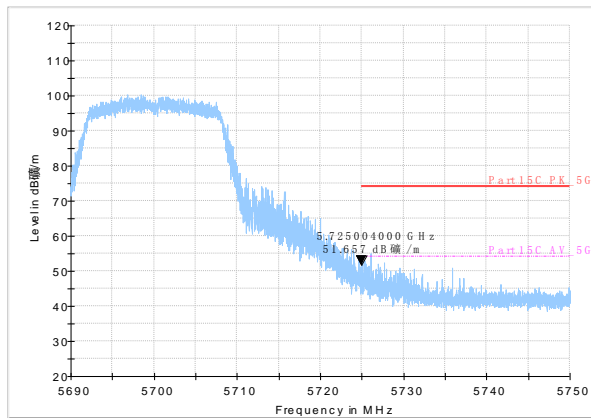
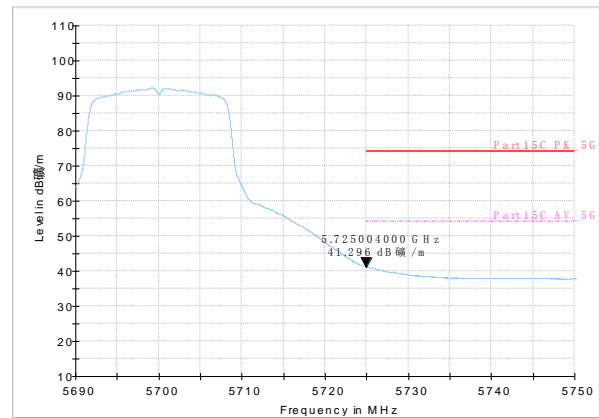
Band Edges (802.11a, 5320MHz)

Peak detector



AV detector



U-NII-2C:
Band Edges (802.11a, 5550MHz)
Peak detector

AV detector

Band Edges (802.11a, 5700MHz)
Peak detector

AV detector


ANNEX A.3. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

Below 1GHz (detector: Peak and Quasi-Peak)

RBW=100 KHz / VBW=300 KHz / Sweep=AUTO

Above 1GHz (detector: Peak):

(a) PEAK: RBW=1MHz / VBW=3MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep= AUTO

Limit in restricted band:

Frequency of emission (MHz)	Field strength(dB μ V/m)	Measurement distance(m)
0.009-0.490	129-94	3
0.490-1.705	74-63	3
1.705-30	70	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

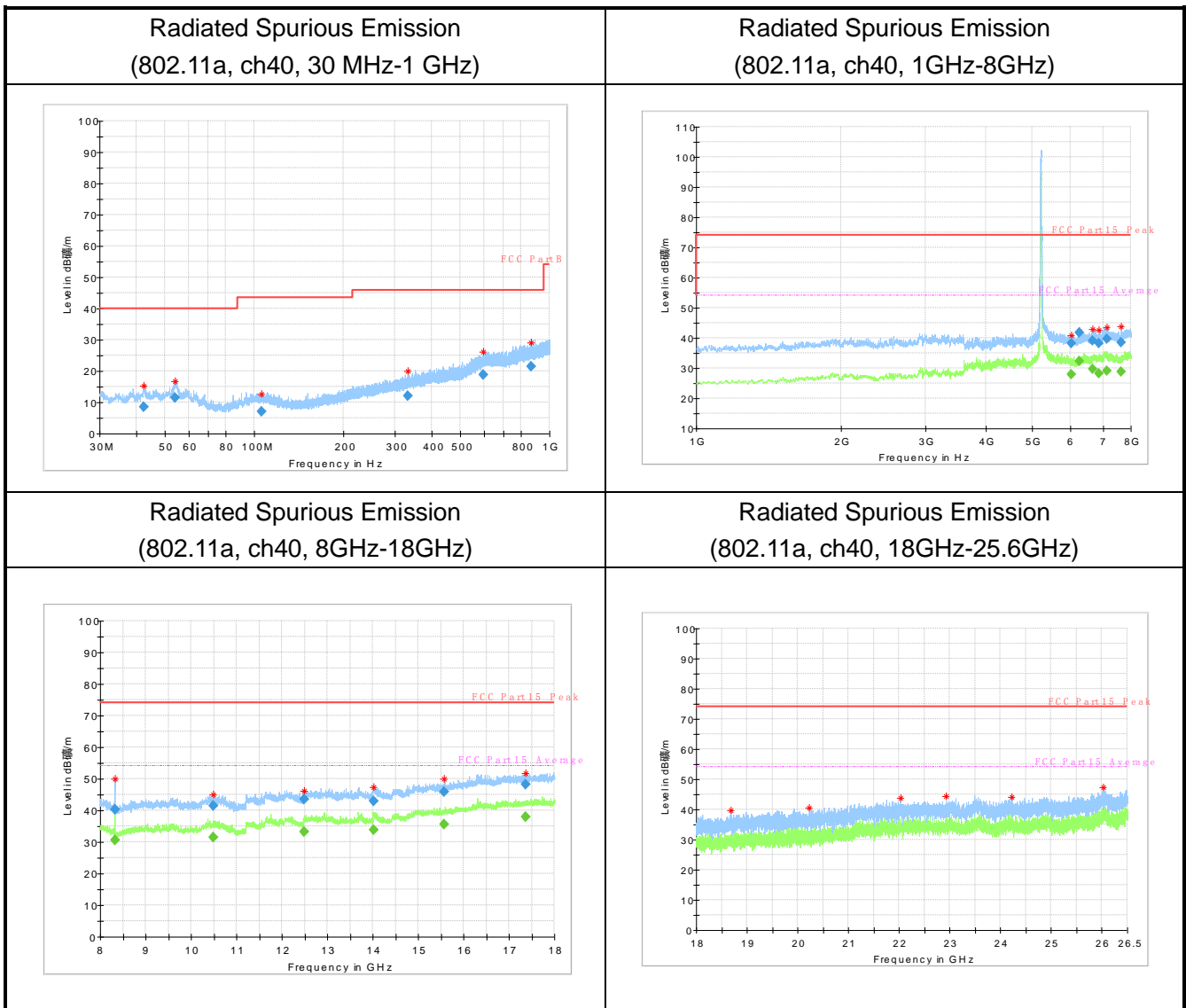
Modulation type and data rate tested (Only worst case result is given below):

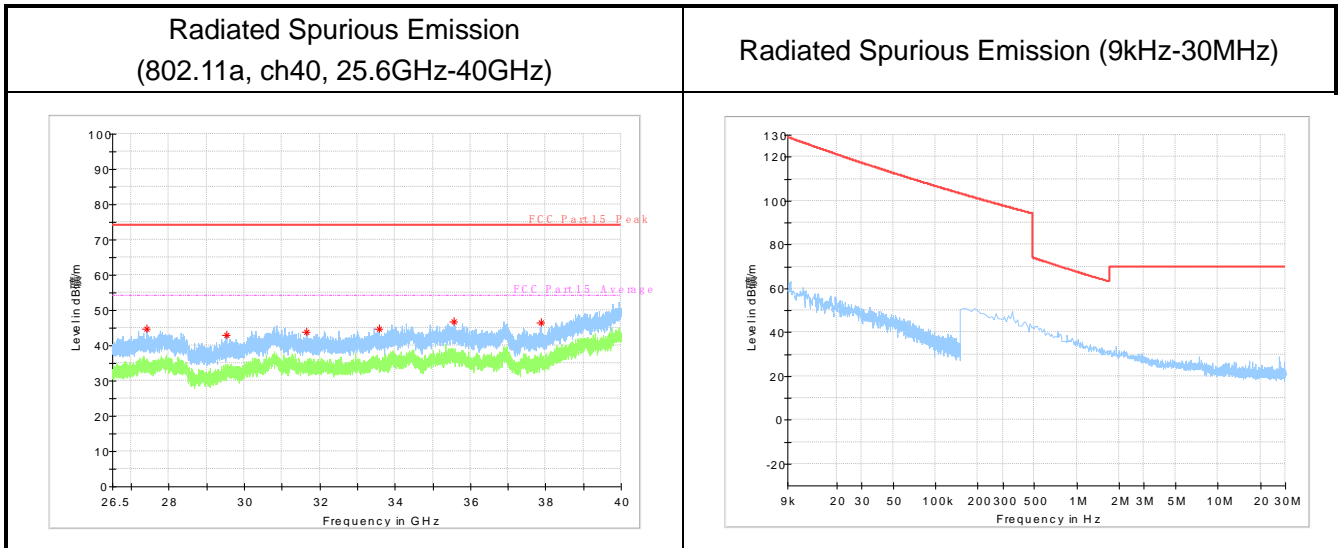
Mode	Data rate	Channel
802.11a	6Mbps	40(5200MHz)

Measurement Results:

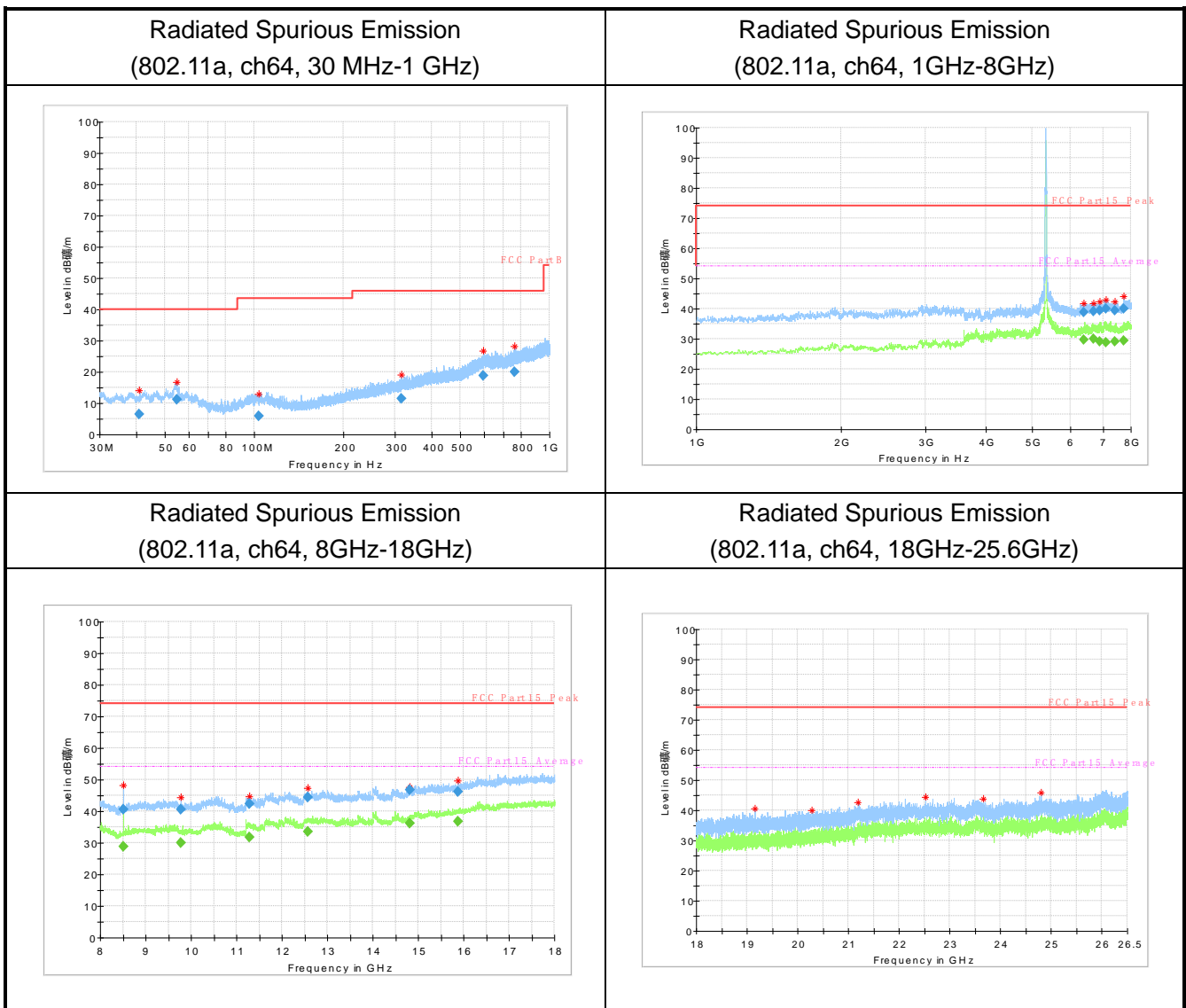
HE test data

U-NII-1:

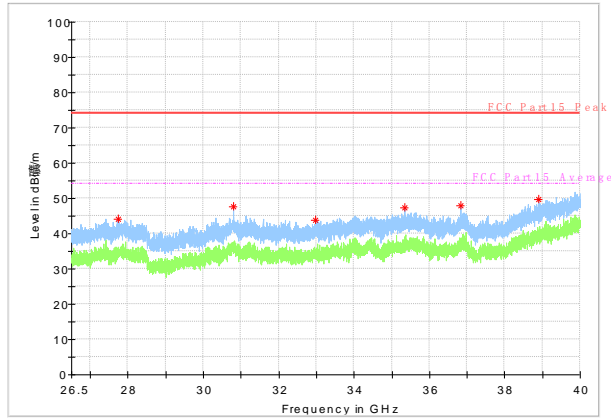




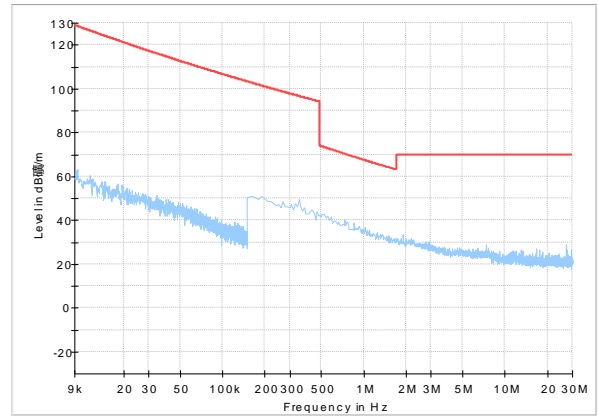
U-NII-2A:



**Radiated Spurious Emission
(802.11a, ch64, 25.6GHz-40GHz)**

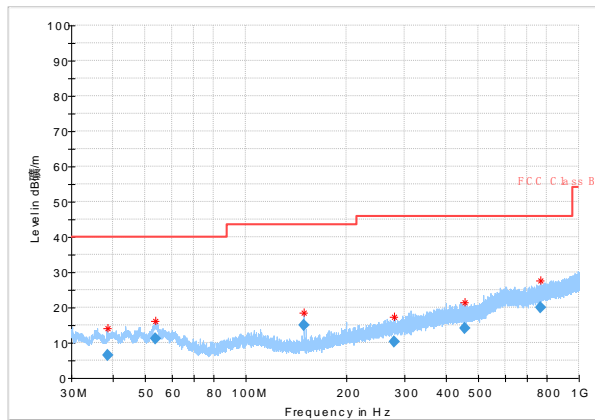


Radiated Spurious Emission (9kHz-30MHz)

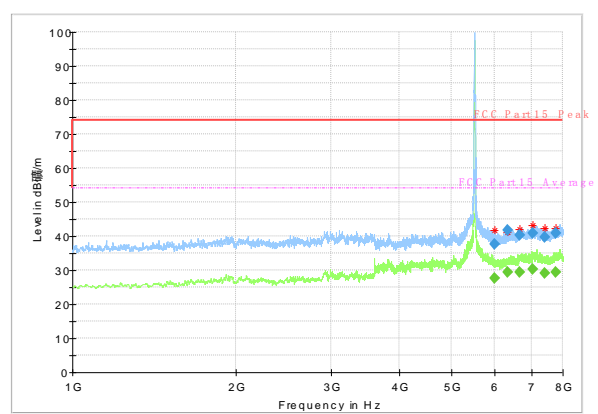


U-NII-2C:

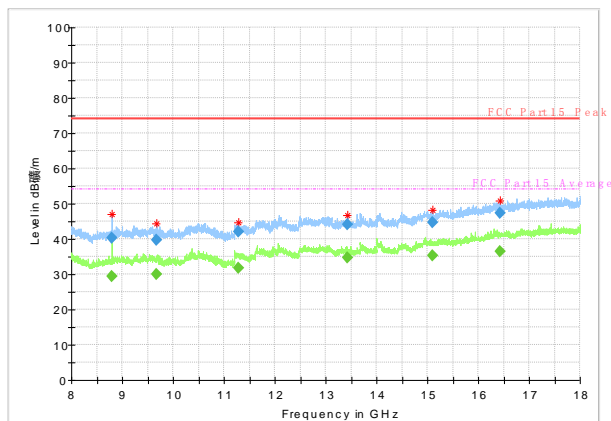
**Radiated Spurious Emission
(802.11a, ch100, 30 MHz-1 GHz)**



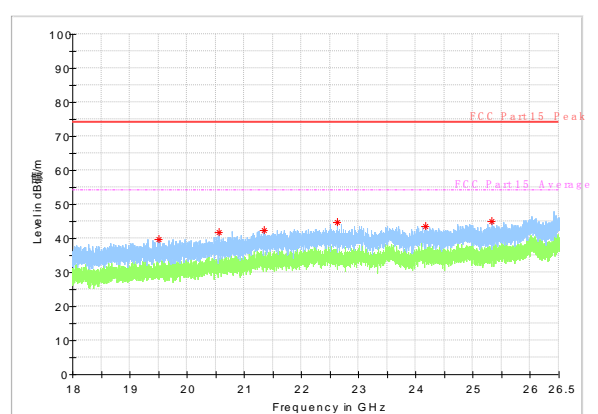
**Radiated Spurious Emission
(802.11a, ch100, 1GHz-8GHz)**

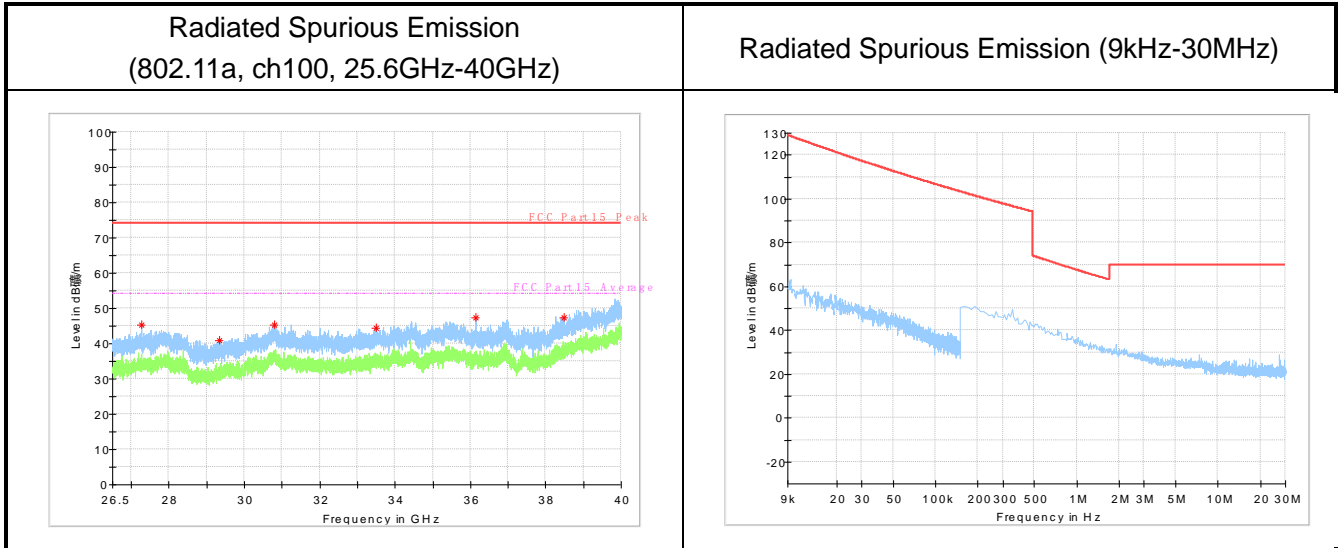


**Radiated Spurious Emission
(802.11a, ch100, 8GHz-18GHz)**



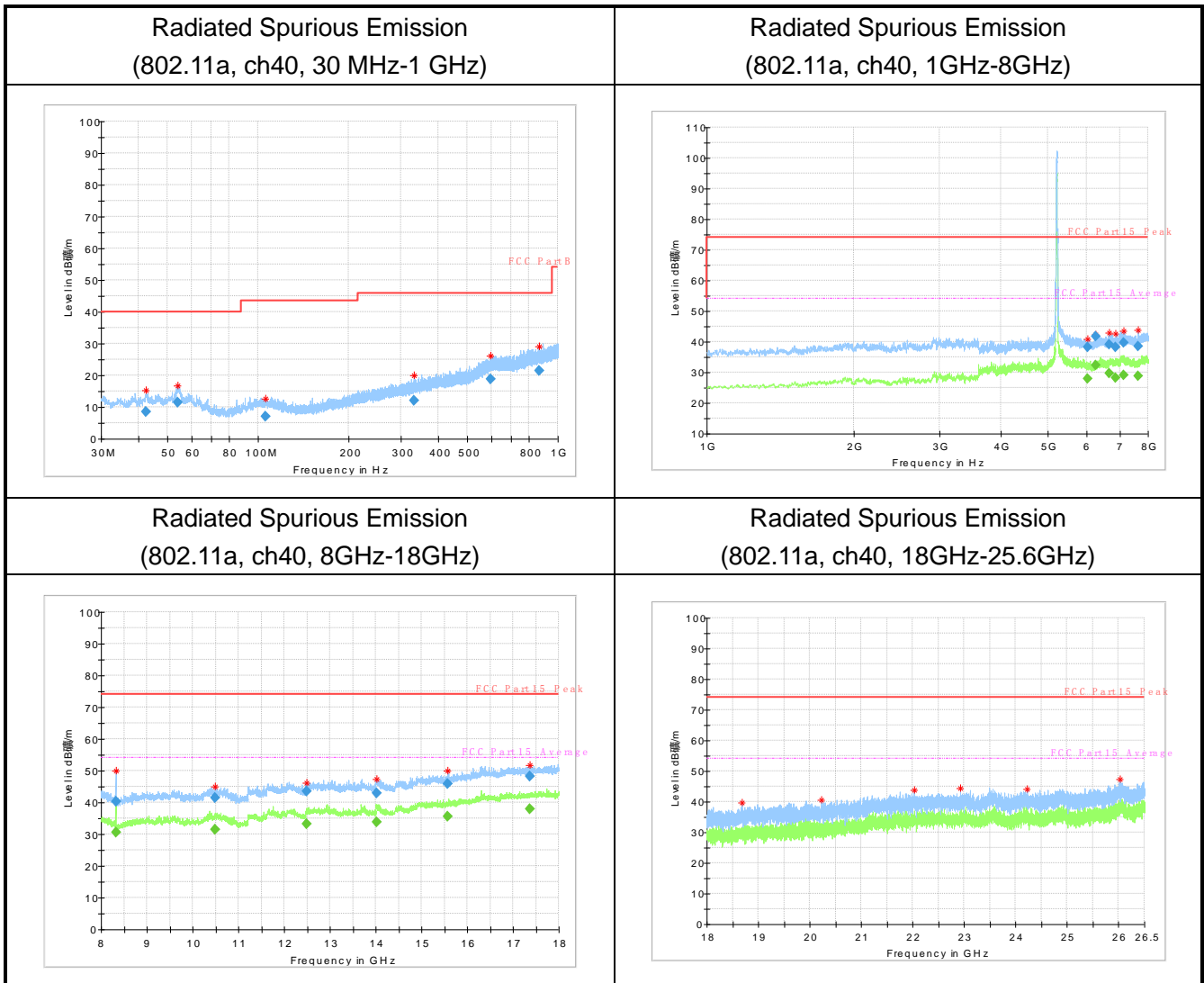
**Radiated Spurious Emission
(802.11a, ch100, 18GHz-25.6GHz)**



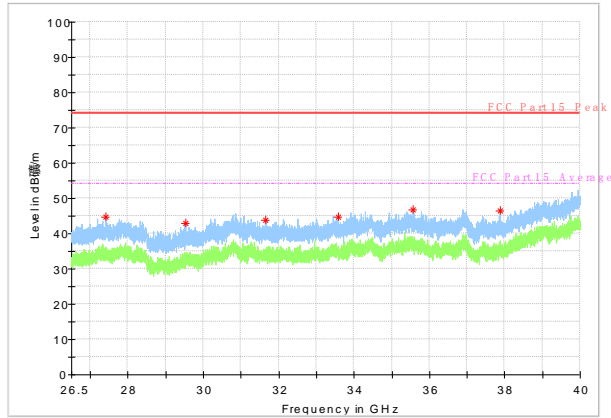


LE test data

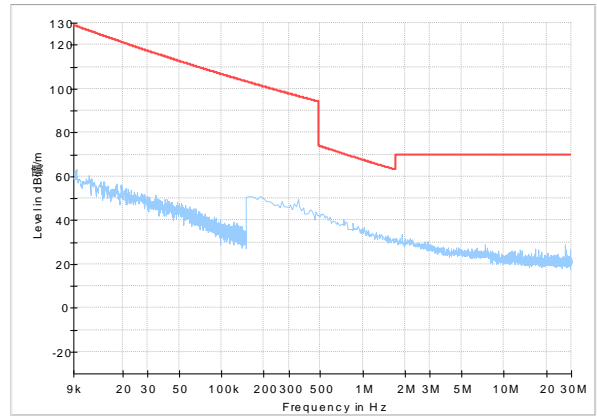
U-NII-1:



Radiated Spurious Emission
(802.11a, ch40, 25.6GHz-40GHz)

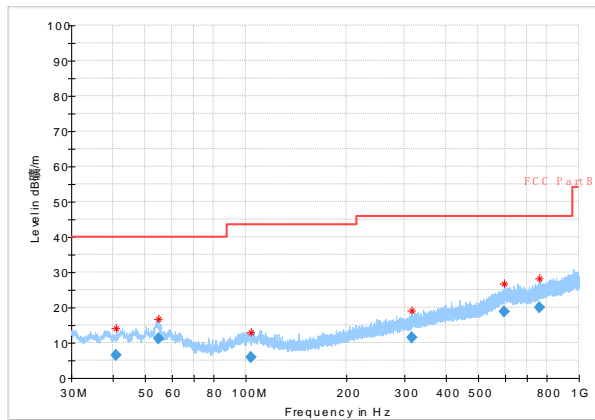


Radiated Spurious Emission (9kHz-30MHz)

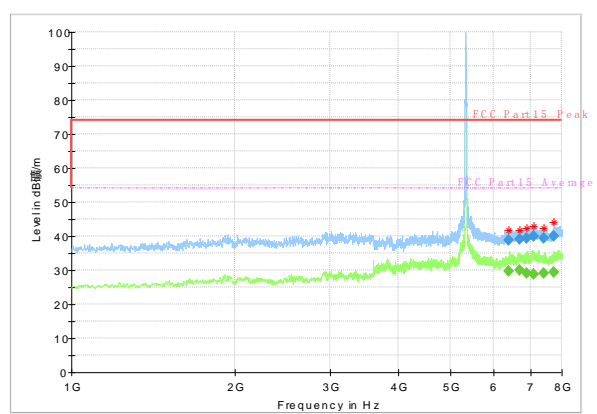


U-NII-2A:

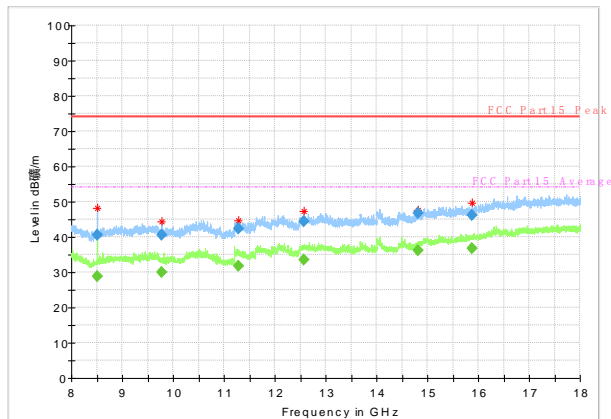
Radiated Spurious Emission
(802.11a, ch64, 30 MHz-1 GHz)



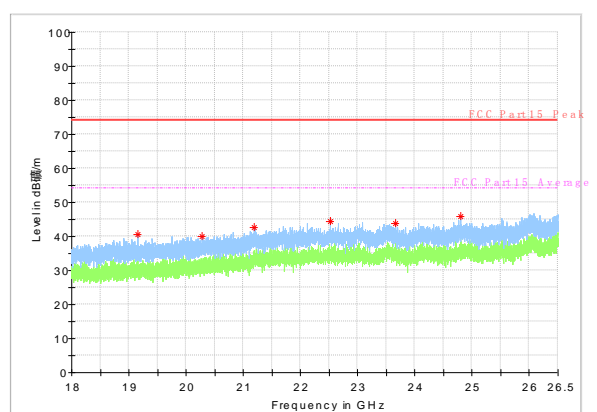
Radiated Spurious Emission
(802.11a, ch64, 1GHz-8GHz)



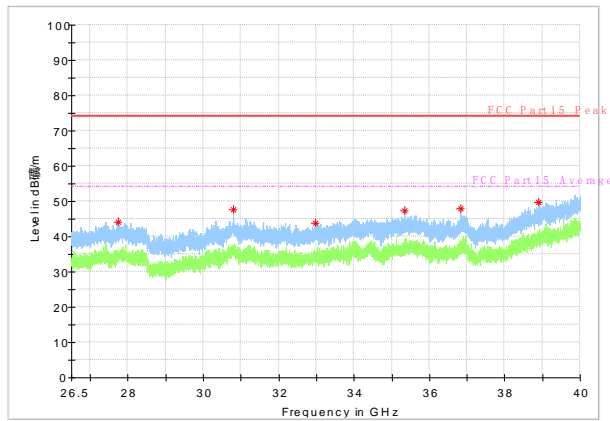
Radiated Spurious Emission
(802.11a, ch64, 8GHz-18GHz)



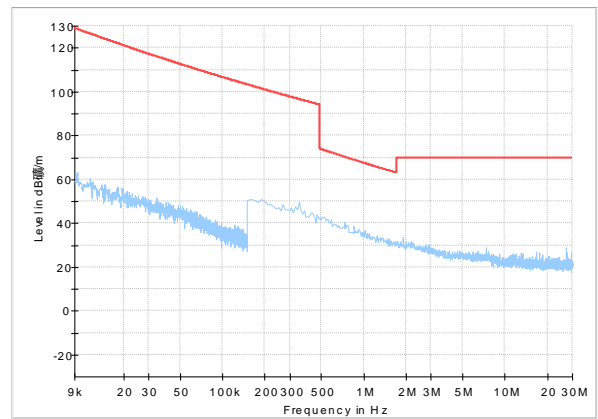
Radiated Spurious Emission
(802.11a, ch64, 18GHz-25.6GHz)



Radiated Spurious Emission
(802.11a, ch64, 25.6GHz-40GHz)

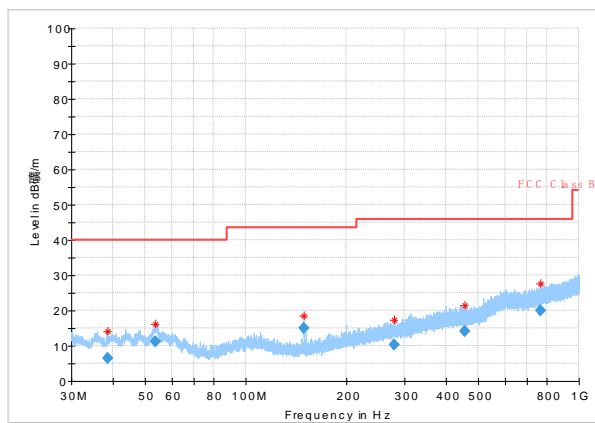


Radiated Spurious Emission (9kHz-30MHz)

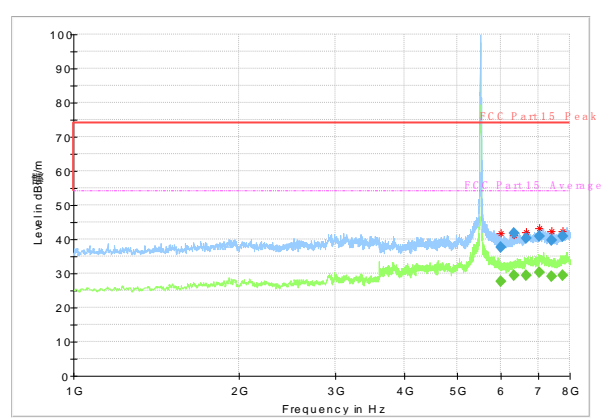


U-NII-2C:

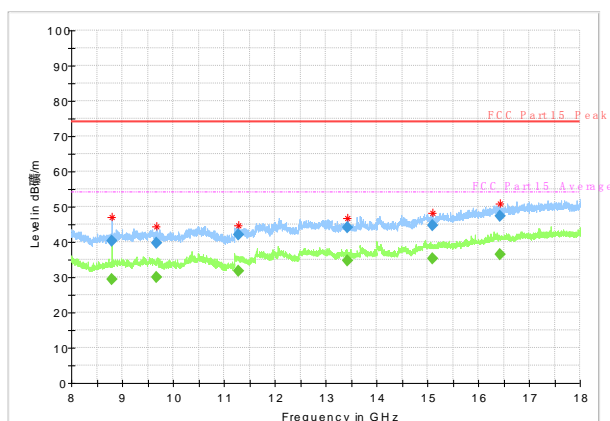
Radiated Spurious Emission
(802.11a, ch100, 30 MHz-1 GHz)



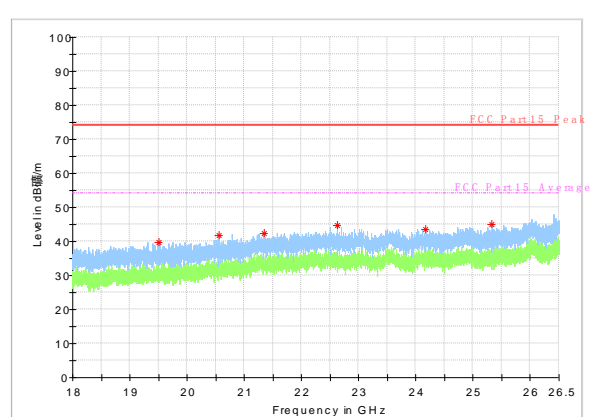
Radiated Spurious Emission
(802.11a, ch100, 1GHz-8GHz)

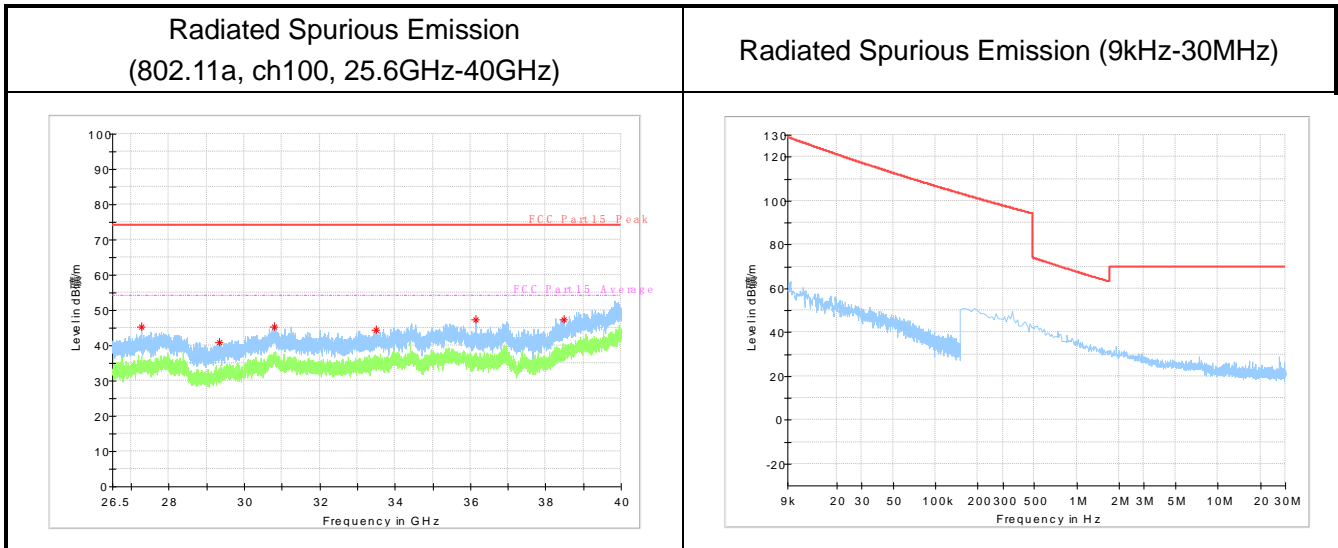


Radiated Spurious Emission
(802.11a, ch100, 8GHz-18GHz)



Radiated Spurious Emission
(802.11a, ch100, 18GHz-25.6GHz)





Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$

HE test data
U-NII-1:
RSE-11A-CH40-30M-1G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
54.1	11.67	-15.4	27.07	V
97.3	6.7	-16.3	23	V
166.1	5.49	-16.4	21.89	H
348.3	12.67	-10	22.67	V
571.0	18.09	-4	22.09	H
766.8	20.13	-2.2	22.33	V

RSE-11A-CH40-1G-8G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
5744.8	39.17	3.1	36.07	H
6197.0	38.94	3.5	35.44	V
6638.6	38.75	4.1	34.65	H
7082.8	40.77	4.9	35.87	V
7487.2	38.4	4.1	34.3	V
7884.2	40.56	5.1	35.46	V

RSE-11A-CH40-8G-18G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
8318.6	38.92	4.7	34.22	H
10397.6	42.67	8.1	34.57	V
11651.6	43.4	10.4	33	V
13675.0	44.79	12	32.79	H
15601.0	57.7	15.5	42.2	V
17145.0	48.31	18.2	30.11	H

RSE-11A-CH40-8G-18G (Average)

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
15601.0	47.29	15.5	31.79	V

RSE-11A-CH40-18G-26.5G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
19441.6	39.69	-5.5	45.19	V
21027.7	41.95	-4.1	46.05	V
22459.1	43.64	-3.2	46.84	H
23513.1	43.72	-2.8	46.52	V
24852.7	44.28	-2.3	46.58	V
25996.8	46.83	-2	48.83	V

RSE-11A-CH40-26.5G-40G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
27837.8	43.42	-0.4	43.82	H
30749.8	45.21	0.1	45.11	V
32963.8	44.79	1	43.79	H
35311.4	46.45	1.3	45.15	V
36855.8	46.64	2.1	44.54	V
38606.8	47.72	2.9	44.82	H

U-NII-2A:

RSE-11A-CH64-30M-1G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
54.1	11.72	-15.4	27.12	V
101.8	7.14	-15.9	23.04	H
195.6	7.24	-15.6	22.84	V
337.0	12.07	-10.1	22.17	H
609.6	19.24	-2.8	22.04	V
924.6	22.14	-0.5	22.64	V

RSE-11A-CH64-1G-8G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
5928.8	38.77	3.1	35.67	V
6380.6	41.68	3.5	38.18	H
6728.0	39.72	4.4	35.32	H
7096.6	39.07	4.9	34.17	H
7448.8	39.18	4.2	34.98	H
7766.8	39.63	4.9	34.73	V

RSE-11A-CH64-8G-18G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
8510.0	39.94	4	35.94	H
9679.6	40.91	6	34.91	V
11279.0	42.34	8.6	33.74	H
13468.4	44.84	11.9	32.94	H
15590.0	45.02	15.5	29.52	H
17004.2	48.07	18.1	29.97	V

RSE-11A-CH64-18G-26.5G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
19059.1	39.72	-5.5	45.22	V
20495.6	39.16	-4.3	43.46	V
21496.0	43.39	-3.5	46.89	V
23049.8	43.61	-3	46.61	V
24363.1	44.5	-2.8	47.3	V
26034.2	46.22	-2	48.22	H

RSE-11A-CH64-26.5G-40G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
27469.3	44.21	-0.9	45.11	H
30763.3	44.97	0.2	44.77	V
32202.4	44.58	0.5	44.08	H
34401.6	45.86	1.4	44.46	V
36885.6	46.73	1.9	44.83	V
38610.8	47.41	2.9	44.51	V

U-NII-2C:

RSE-11A-CH100-30M-1G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
38.3	8.12	-16.3	24.42	V
54.2	11.67	-15.4	27.07	V
105.4	6.85	-15.8	22.65	V
368.8	12.92	-9.4	22.32	V
600.0	24.99	-3	27.99	H
876.0	21.32	-1.1	22.42	H

RSE-11A-CH100-1G-8G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
6064.6	38.07	3.1	34.97	V
6350.4	38.66	3.5	35.16	V
6885.2	39.11	4.6	34.51	V
7116.2	39.6	4.8	34.8	H
7447.6	38.61	4.2	34.41	H
7770.0	40.32	4.9	35.42	V

RSE-11A-CH100-8G-18G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
10253.2	41.84	7.8	34.04	V
12055.0	42.64	10.7	31.94	H
13034.4	45.69	11.7	33.99	H
14059.4	43.3	12.7	30.6	V
15290.2	45.56	15.3	30.26	H
16514.6	47.1	17.8	29.3	H

RSE-11A-CH100-18G-26.5G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
18757.4	41.14	-5.5	46.64	H
20314.6	40.34	-4.7	45.04	V
21280.2	41.91	-3.7	45.61	V
22620.6	43.69	-2.8	46.49	V
23611.7	44.53	-2.8	47.33	V
25107.7	44.29	-2.4	46.69	V

RSE-11A-CH100-26.5G-40G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
27709.6	44.31	-0.6	44.91	H
30652.6	45.24	-0.1	45.34	V
32704.6	43.93	0.4	43.53	H
34446.1	46.43	1.2	45.23	V
36935.5	46.22	1.7	44.52	V
38563.6	48.25	2.8	45.45	V

LE test data
U-NII-1:
RSE-11A-CH40-30M-1G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
42.3	8.44	-16	24.44	V
54.1	11.59	-15.4	26.99	V
105.9	7.06	-15.7	22.76	H
332.4	11.96	-10.2	22.16	H
598.4	18.96	-3.1	22.06	H
866.7	21.34	-1.1	22.44	H

RSE-11A-CH40-1G-8G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
6006.8	38.15	2.6	35.55	V
6240.2	41.63	3.4	38.23	V
6667.8	39.08	4.4	34.68	V
6879.0	38.28	4.5	33.78	H
7123.2	39.85	4.8	35.05	V
7640.8	38.43	4.3	34.13	V

RSE-11A-CH40-8G-18G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
8319.0	40.29	4.7	35.59	V
10492.6	41.35	7.9	33.45	H
12492.4	43.49	11	32.49	V
14023.6	43.08	12.7	30.38	V
15575.0	45.79	15.4	30.39	V
17363.6	48.33	18.6	29.73	V

RSE-11A-CH40-18G-26.5G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
18680.8	39.61	-5.6	45.21	V
20226.2	40.49	-4.8	45.29	H
22032.4	43.92	-3.3	47.22	V
22926.6	44.27	-3	47.27	H
24218.6	44.19	-2.9	47.09	H
26033.4	47.26	-2	49.26	H

RSE-11A-CH40-26.5G-40G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
27407.2	44.78	-1	45.78	H
29522.6	43.06	-0.6	43.66	H
31639.4	43.9	0.4	43.5	V
33572.6	44.78	1.3	43.48	V
35563.9	46.7	1.4	45.3	H
37867.0	46.48	1.2	45.28	V

U-NII-2A:

RSE-11A-CH64-30M-1G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
41.0	6.44	-16	22.44	H
54.6	11.29	-15.4	26.69	V
103.5	5.99	-15.8	21.79	H
315.9	11.5	-10.8	22.3	H
598.0	18.96	-3.1	22.06	V
762.1	19.98	-2.1	22.08	V

RSE-11A-CH64-1G-8G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
6385.0	38.94	3.5	35.44	V
6680.8	39.1	4.5	34.6	V
6896.4	39.41	4.6	34.81	V
7102.6	39.89	4.9	34.99	H
7407.0	39.32	4.4	34.92	H
7746.0	39.87	4.8	35.07	V

RSE-11A-CH64-8G-18G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
8509.6	40.71	4	36.71	V
9768.0	40.64	5.8	34.84	H
11279.0	42.32	8.6	33.72	H
12563.0	44.38	11.2	33.18	H
14815.2	46.69	14.5	32.19	V
15869.2	46.2	16.3	29.9	V

RSE-11A-CH64-18G-26.5G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
19158.6	40.58	-5.6	46.18	H
20279.7	39.92	-4.8	44.72	H
21194.3	42.77	-3.9	46.67	V
22524.6	44.34	-3	47.34	V
23662.7	43.71	-2.8	46.51	V
24806.0	45.76	-2.2	47.96	H

RSE-11A-CH64-26.5G-40G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
27740.6	44.2	-0.6	44.8	V
30791.6	47.59	0.2	47.39	V
32980.0	43.97	1.1	42.87	V
35339.8	47.26	1.5	45.76	H
36837.0	48.07	2.2	45.87	H
38884.9	49.67	3.7	45.97	H

U-NII-2C:

RSE-11A-CH100-30M-1G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
38.4	6.47	-16.3	22.77	V
53.5	11.24	-15.5	26.74	V
150.0	15.12	-17.8	32.92	H
279.9	10.15	-12.1	22.25	V
455.7	14.26	-8.2	22.46	H
768.8	19.87	-2.3	22.17	H

RSE-11A-CH100-1G-8G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
5989.2	37.79	2.6	35.19	V
6340.4	41.69	3.5	38.19	H
6652.2	40.36	4.2	36.16	V
7054.8	40.74	5	35.74	V
7417.4	39.62	4.3	35.32	H
7752.2	41.02	4.8	36.22	H

RSE-11A-CH100-8G-18G-N12

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
8797.0	40.16	4.7	35.46	V
9671.0	39.83	6	33.83	V
11276.4	41.92	8.6	33.32	V
13437.8	44.14	12	32.14	H
15106.0	44.68	14.4	30.28	V
16421.6	47.43	17.6	29.83	H

RSE-11A-CH100-18G-26.5G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
19506.2	39.7	-5.3	45	V
20553.4	41.91	-4.3	46.21	V
21349.0	42.21	-3.6	45.81	H
22623.2	44.78	-2.8	47.58	V
24177.8	43.42	-2.9	46.32	V
25333.8	45.04	-2.5	47.54	H

RSE-11A-CH100-26.5G-40G

Frequency (MHz)	Result (dB μ V/m)	ARpl (dB)	PMea (dB μ V/m)	Polarity
27261.4	45.24	-1	46.24	H
29333.6	40.98	-1	41.98	V
30810.6	45.37	0.2	45.17	H
33498.4	44.55	1.2	43.35	H
36133.6	47.4	0.4	47	H
38484.0	47.37	2.6	44.77	H

ANNEX B. Accreditation Certificate



Accredited Laboratory

A2LA has accredited

EAST CHINA INSTITUTE OF TELECOMMUNICATIONS
Shanghai, People's Republic of China

for technical competence in the field of
Electrical Testing

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



Presented this 6th day of May 2019.



Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3682.01
Valid to February 28, 2021

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

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