



FCC PART 15C TEST REPORT No.I22Z60785-IOT23

for

Wingtech Group (Hong Kong) Limited

5G Mobile Phone

CELERO5G

With

FCC ID: 2APXW-CELERO5G

Hardware Version: V2.0

Software Version: Celero5G_0.01.01

Issued Date: 2022-07-20

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 CTTL.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: ctl_terminals@caict.ac.cn, website: www.caict.ac.cn



REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z60785-IOT23	Rev.0	1st edition	2022-07-06
I22Z60785-IOT23	Rev.1	Add duty cycle plot.	2022-07-20

CONTENTS

CONTENTS	3
1. TEST LATORATORY.....	5
1.1. INTRODUCTION & ACCREDITATION	5
1.2. TESTING LOCATION	5
1.3. TESTING ENVIRONMENT	5
1.4. PROJECT DATE	5
1.5. SIGNATURE	5
2. CLIENT INFORMATION.....	6
2.1. APPLICANT INFORMATION	6
2.2. MANUFACTURER INFORMATION	6
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT(AE)	7
3.1. 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
3.4. GENERAL DESCRIPTION.....	8
4. REFERENCE DOCUMENTS	8
4.1. DOCUMENTS SUPPLIED BY APPLICANT	8
4.2. REFERENCE DOCUMENTS FOR TESTING.....	8
5. LABORATORY ENVIRONMENT	8
6. SUMMARY OF TEST RESULTS	9
6.1. SUMMARY OF TEST RESULTS	9
6.2. STATEMENTS.....	9
6.3. TEST CONDITIONS	9
7. TEST EQUIPMENTS UTILIZED	10
8. MEASUREMENT UNCERTAINTY	11
8.1. TRANSMITTER OUTPUT POWER	11
8.2. PEAK POWER SPECTRAL DENSITY	11
8.3. OCCUPIED 6DB BANDWIDTH.....	11
8.4. BAND EDGES COMPLIANCE	11
8.5. SPURIOUS EMISSIONS	11
8.6. AC POWER-LINE CONDUCTED EMISSION	11
ANNEX A: MEASUREMENT RESULTS.....	12
A.1. MEASUREMENT METHOD	12
A.2. MAXIMUM PEAK OUTPUT POWER	13
A.2.1 ANTENNA GAIN.....	13
A.2.2. MAXIMUM PEAK OUTPUT POWER-CONDUCTED	13



A.3. PEAK POWER SPECTRAL DENSITY 15

A.4. OCCUPIED 6DB BANDWIDTH 16

A.5. TRANSMITTER SPURIOUS EMISSION 21

A.5.1 TRANSMITTER SPURIOUS EMISSION - RADIATED 21

A.6. BAND EDGES COMPLIANCE 34

A.6.1 BAND EDGES - RADIATED 34

A.7. AC POWERLINE CONDUCTED EMISSION 39

ANNEX B: EUT PARAMETERS..... 42

ANNEX C: ACCREDITATION CERTIFICATE 42

1. TEST LABORATORY

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Testing Location: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,
P. R. China100191

1.3. Testing Environment

Normal Temperature: 15-35°C

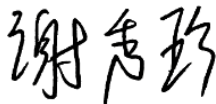
Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2022-04-22

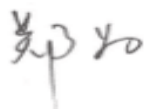
Testing End Date: 2022-07-06

1.5. Signature



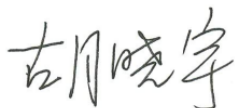
Xie Xiuzhen

(Prepared this test report)



Zheng Wei

(Reviewed this test report)



Hu Xiaoyu

(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Wingtech Group (Hong Kong) Limited
Address: Flat/RM 1802 18/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, KL,
HK
City: HongKong
Postal Code: /
Country: China
Telephone: +86-21-53529900
Fax: /

2.2. Manufacturer Information

Company Name: Wingtech Group (Hong Kong) Limited
Address: Flat/RM 1802 18/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, KL,
HK
City: HongKong
Postal Code: /
Country: China
Telephone: /
Fax: /

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY

EQUIPMENT(AE)

3.1. About EUT

Description	5G Mobile Phone
Model name	CELERO5G
FCC ID	2APXW-CELERO5G
WLAN Frequency Band	ISM Band: 5725MHz~5850MHz
Type of modulation	OFDM
Voltage	3.85V

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
EUT1	863401060009228	V2.0	Celero5G_0.01.01
UT39a	863401060002736	V2.0	Celero5G_0.01.01
UT40a	863401060002769	V2.0	Celero5G_0.01.01

*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	SN
AE1	Battery	/	/
AE2	Charger	/	/
AE3	USB Cable		

AE1

Model	RE001
Manufacturer	SUNWODA ELECTRONIC CO., LTD
Capacitance	4500mAh
Nominal voltage	3.85V

AE2

Model	BLJ-QC06HU
Manufacturer	Zhongshan Baolijin Electronic Co., Ltd
Length of cable	/

AE3

Model	USB AM TO TYPE-C2.0
Manufacturer	ShenZhen BRL Technology Co., Ltd
Length of cable	

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

3.4. General Description

Equipment Under Test (EUT) is a model of 5G Mobile Phone with integrated antenna. It consists of normal options: Battery and Charger.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the Client.

4. REFERENCE DOCUMENTS

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant 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.

FCC Part15	FCC CFR 47, Part 15, Subpart C and E: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.407 General technical requirements	2018
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12

5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. SUMMARY OF TEST RESULTS

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C	Sub-clause of IC	Verdict
Maximum Peak Output Power	15.407 (a)	/	P
Peak Power Spectral Density	15.407 (a)	/	P
Occupied 6dB Bandwidth	15.407 (e)	/	P
Band Edges Compliance - Conducted& Radiated	15.407 (b)	/	P
Transmitter Spurious Emission - Conducted	15.407	/	P
Transmitter Spurious Emission - Radiated	15.407, 15.205, 15.209	/	P
AC Powerline Conducted Emission	15.107, 15.207	/	P

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NM	Not measured, The test was not measured by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases requested by the client/matrix as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.1.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	26°C
Voltage	3.85V
Humidity	44%

7. TEST EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	1 year	2023-05-15
2	Test Receiver	ESCI	100344	R&S	1 year	2023-02-21
3	LISN	ENV216	101200	R&S	1 year	2023-05-30
4	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103023	R&S	1 year	2022-06-28
2	EMI Antenna	VULB 9163	302	SCHWARZBECK	1 year	2022-12-28
3	EMI Antenna	3115	00167250	ETS-Lindgren	1 year	2022-07-01
4	EMI Antenna	3116	2663	ETS-Lindgren	1 year	2022-08-11

Note:

The test dates were before the calibration due dates of equipment used (the Test Receiver which series number is 103023).

8. Measurement Uncertainty

8.1. Transmitter Output Power

Measurement Uncertainty: 0.387dB,k=1.96

8.2. Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

8.3. Occupied 6dB Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4. Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5. Spurious Emissions

Conducted (k=1.96)

Frequency Range	Uncertainty(dB)
$30\text{MHz} \leq f \leq 2\text{GHz}$	1.22
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	1.22
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.22
$8\text{GHz} \leq f \leq 12.75\text{GHz}$	1.51
$12.75\text{GHz} \leq f \leq 26\text{GHz}$	1.51
$26\text{GHz} \leq f \leq 40\text{GHz}$	1.59

Radiated (k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	4.92
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.15
$1\text{GHz} \leq f \leq 18\text{GHz}$	5.54
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.26

8.6. AC Power-line Conducted Emission

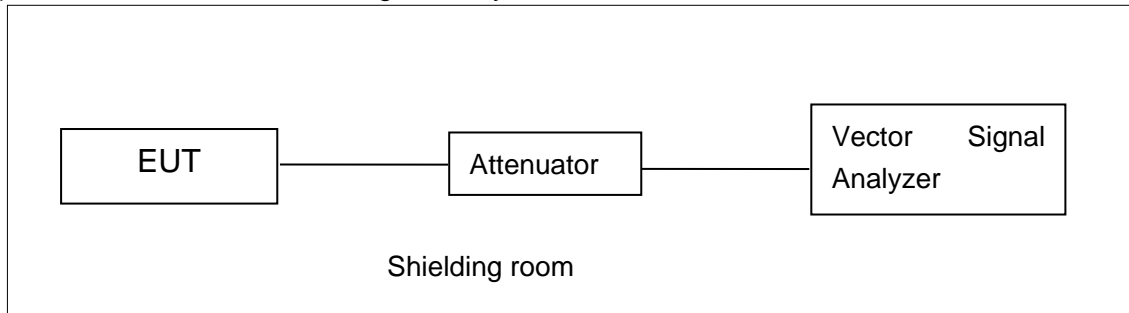
Measurement Uncertainty : 3.08dB,k=2

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

A.1.1. Conducted Measurements

- 1). Connect the EUT to the test system correctly.
- 2). Set the EUT to the required work mode.
- 3). Set the EUT to the required channel.
- 4). Set the spectrum analyzer to start measurement.
- 5). Record the values. Vector Signal Analyzer

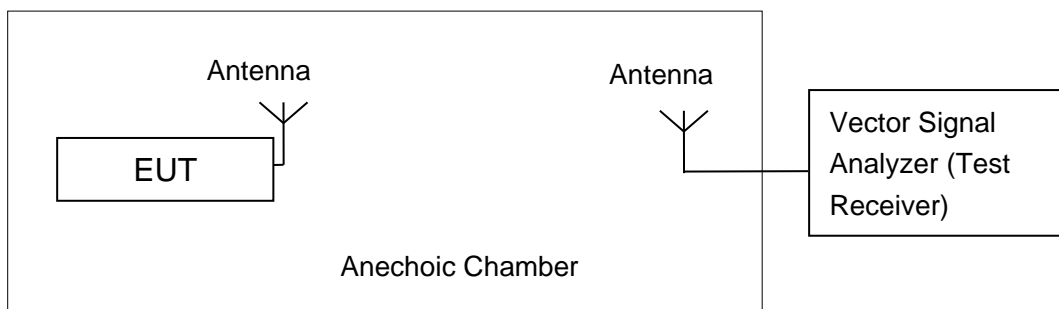


A.1.2. Radiated Emission Measurements

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 ANSI C63.10.

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.

A.2. Maximum Peak Output Power

Measurement Limit and Method:

Standard	Limit (dBm)
FCC CRF Part 15.407(a)	< 30

A.2.1 Antenna Gain

Antenna gain is -0.07dBi and the value is supplied by the applicant or manufacturer.

A.2.2. Maximum Peak Output Power-conducted

Measurement Results:

802.11a mode

Mode	Data Rate (Mbps)	Test Result (dBm)		
		5745MHz (Ch149)	5785MHz (Ch157)	5825MHz (Ch165)
802.11a	6	18.51	18.18	18.04

The data rate 6Mbps is selected as worse condition, and the following cases are performed with this condition.

802.11n-HT20 mode

Mode	Data Rate (Index)	Test Result (dBm)		
		5745MHz (Ch149)	5785MHz (Ch157)	5825MHz (Ch165)
802.11n (20MHz)	MCS0	18.24	18.17	18.06

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ac-HT20 mode

Mode	Data Rate (Index)	Test Result (dBm)		
		5745MHz (Ch149)	5785MHz (Ch157)	5825MHz (Ch165)
802.11ac (20MHz)	MCS0	17.14	17.12	16.69

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11n-HT40 mode

Mode	Data Rate (Index)	Test Result (dBm)	
		5755MHz (Ch151)	5795MHz (Ch159)
802.11n (40MHz)	MCS0	17.56	17.51

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ac-HT40 mode

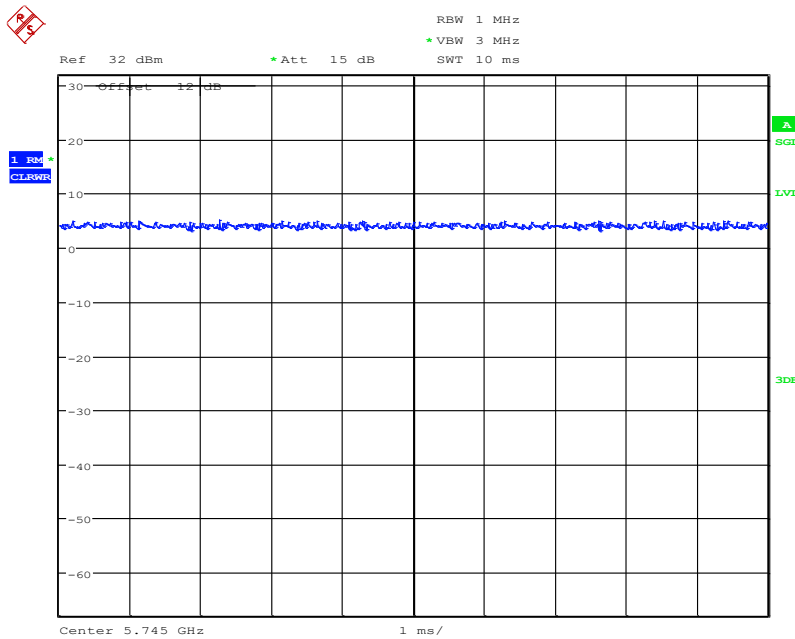
Mode	Data Rate (Index)	Test Result (dBm)	
		5755MHz (Ch151)	5795MHz (Ch159)
802.11ac (40MHz)	MCS0	16.17	16.04

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ac-HT80 mode

Mode	Data Rate (Index)	Test Result (dBm)
		5775MHz (Ch155)
802.11ac (80MHz)	MCS0	15.83

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition. The duty cycle of all mode are 100%, for example:



Date: 19.JUL.2022 15:32:48

Conclusion: PASS

A.3. Peak Power Spectral Density

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407(a)	< 30 dBm/500 kHz

The measurement is made according to ANSI C63.10 and KDB789033 D02

Measurement Uncertainty:

Measurement Uncertainty	0.75dB
-------------------------	--------

Measurement Results:

Mode	Channel	Power Spectral Density (dBm/500kHz)	Conclusion
802.11a	149	5.07	P
	157	5.01	P
	165	4.60	P
802.11n HT20	149	4.52	P
	157	4.37	P
	165	4.09	P
802.11n HT40	151	0.80	P
	159	0.60	P
802.11ac HT80	155	-4.36	P

Conclusion: PASS

A.4. Occupied 6dB Bandwidth

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.407 (e)	≥ 500

The measurement is made according to KDB789033 D02 .

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
-------------------------	---------

Measurement Result:

Mode	Channel	Occupied 6dB Bandwidth (MHz)		conclusion
		Fig.	Value	
802.11a	149	Fig.1	16.35	P
	157	Fig.2	16.30	P
	165	Fig.3	16.30	P
802.11n HT20	149	Fig.4	17.60	P
	157	Fig.5	17.60	P
	165	Fig.6	17.55	P
802.11n HT40	151	Fig.7	36.32	P
	159	Fig.8	36.08	P
802.11ac HT80	155	Fig.9	76.16	P

Conclusion: PASS

Test graphs as below:

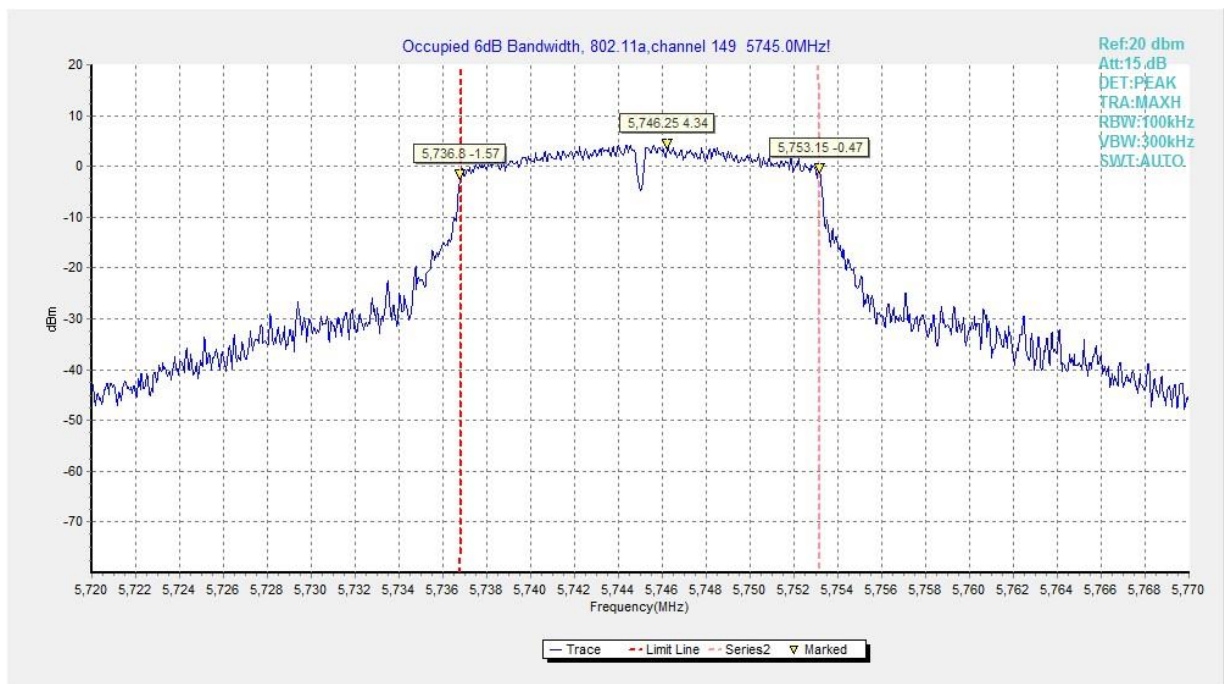


Fig. 1 Occupied 6dB Bandwidth (802.11a, Ch 149)

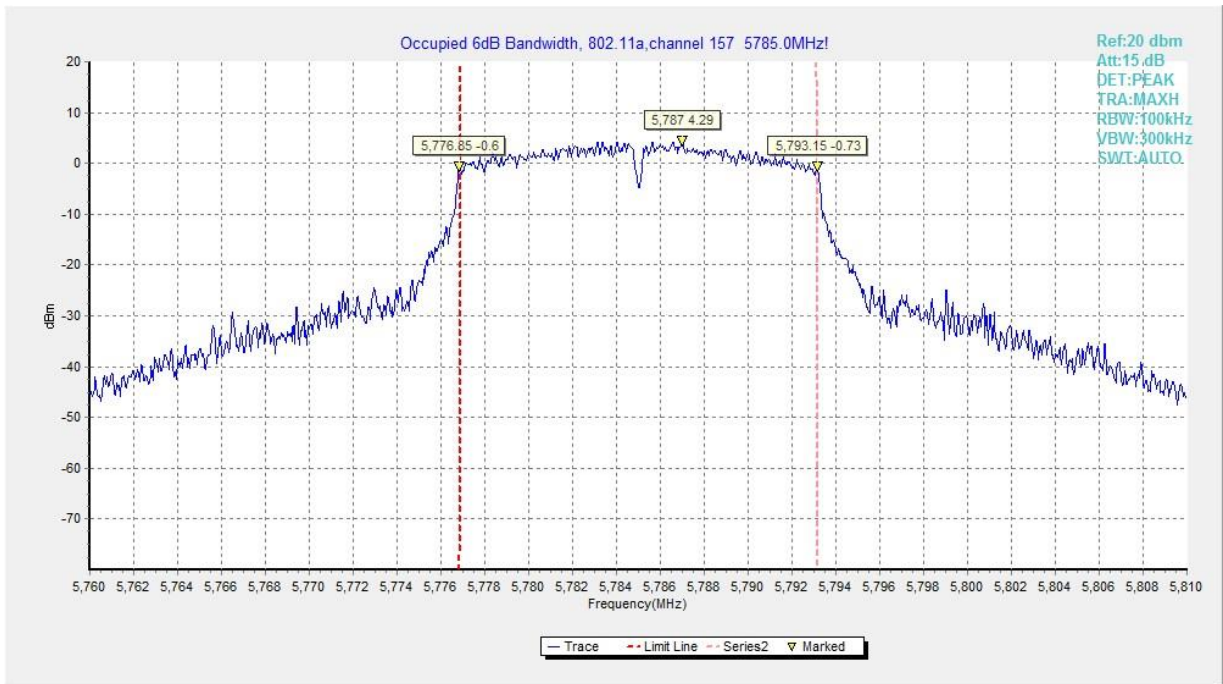


Fig. 2 Occupied 6dB Bandwidth (802.11a, Ch 157)

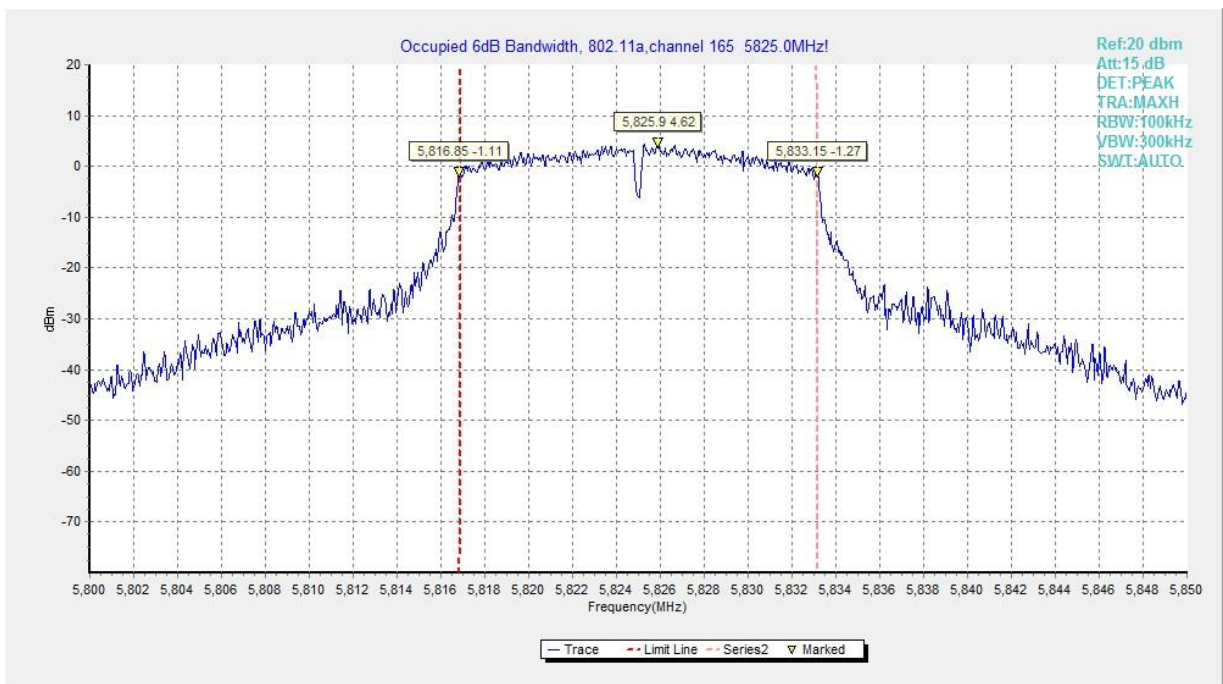


Fig. 3 Occupied 6dB Bandwidth (802.11a, Ch 165)

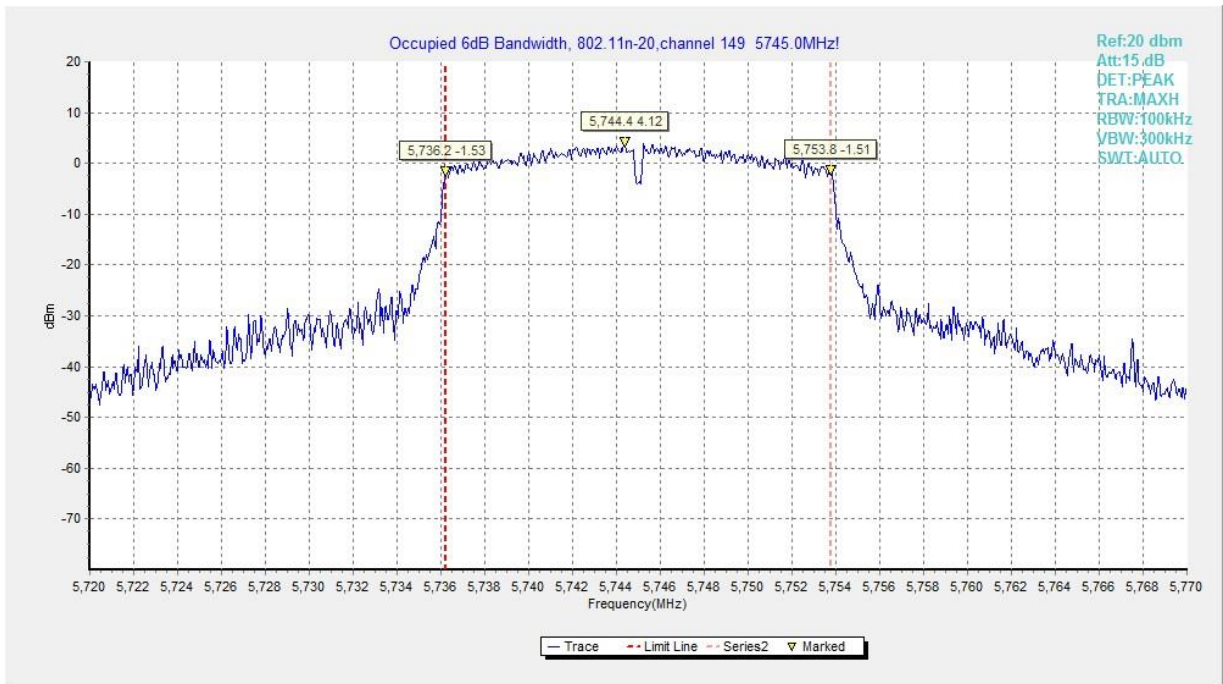


Fig. 4 Occupied 6dB Bandwidth (802.11n-HT20, Ch 149)

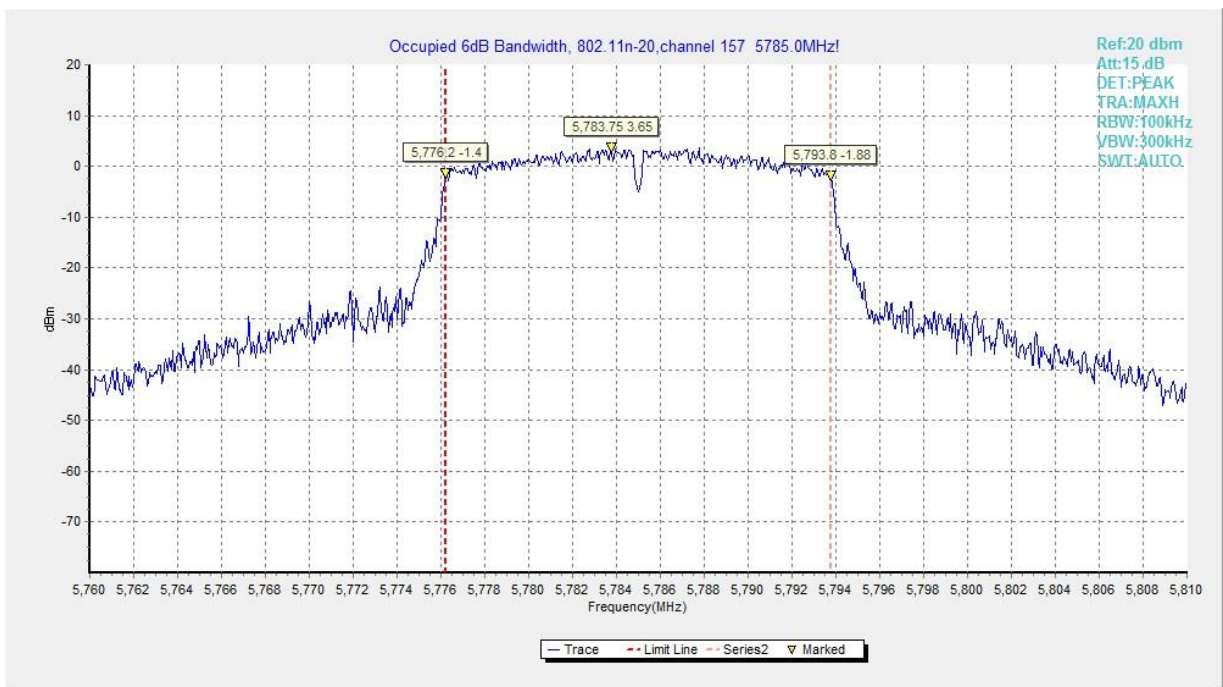


Fig. 5 Occupied 6dB Bandwidth (802.11n-HT20, Ch 157)

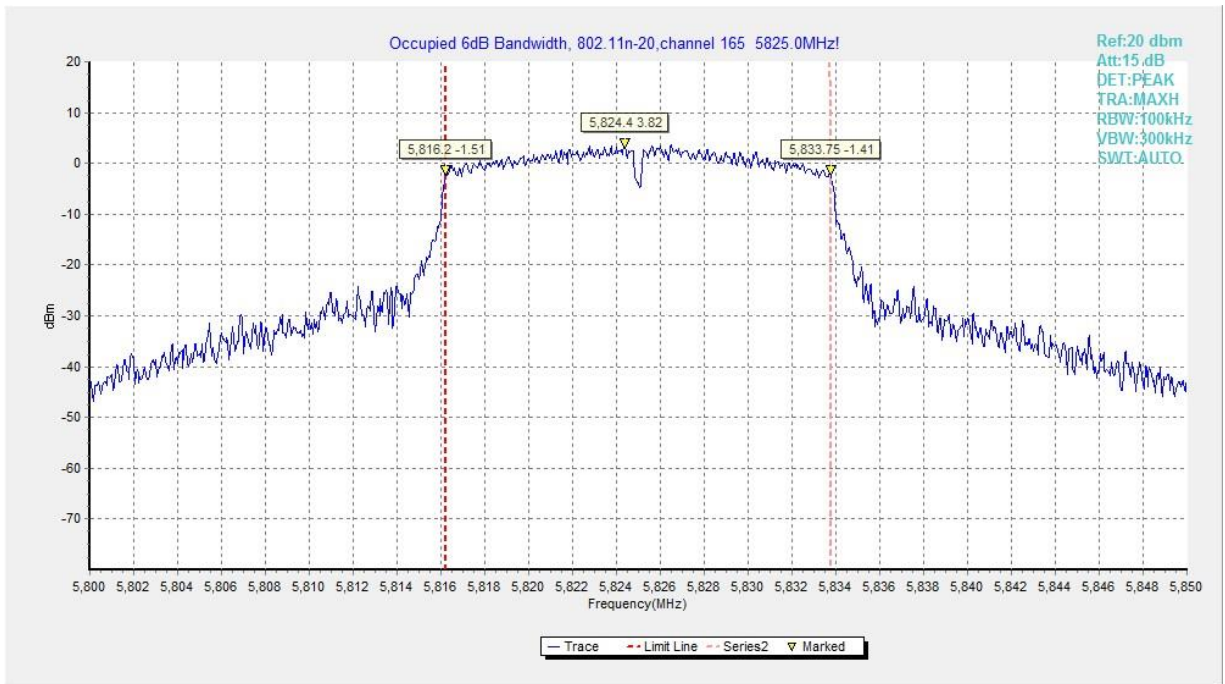


Fig. 6 Occupied 6dB Bandwidth (802.11n-HT20, Ch 165)

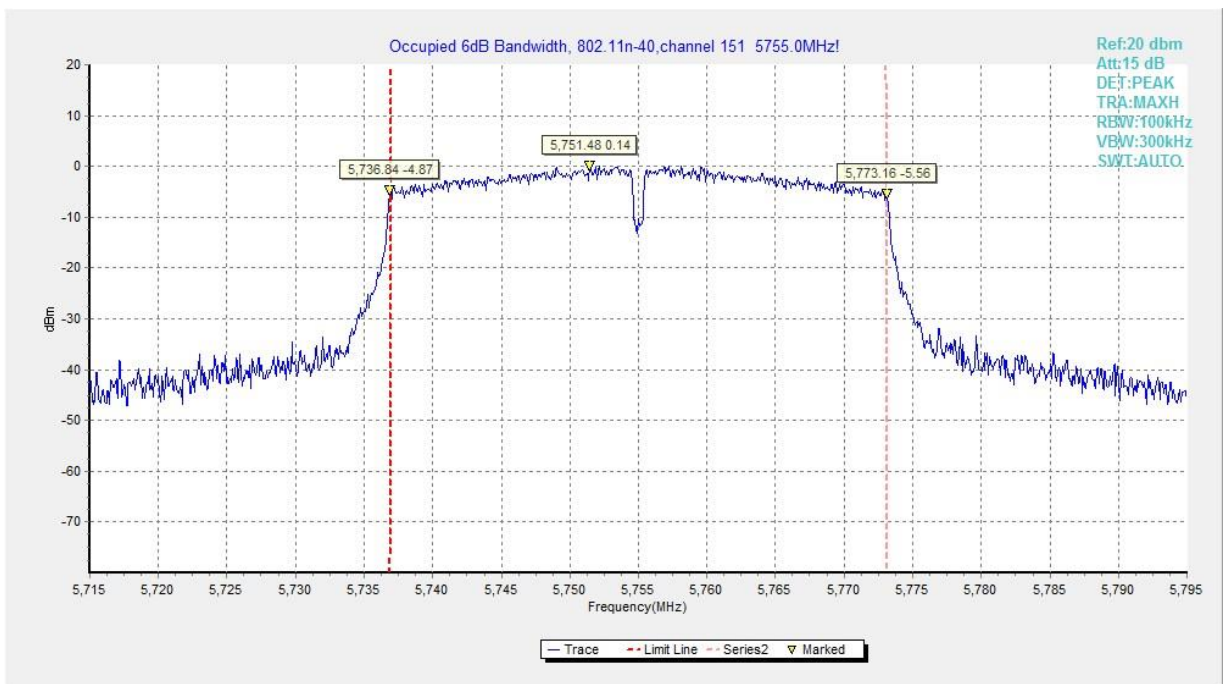


Fig. 7 Occupied 6dB Bandwidth (802.11n-HT40, Ch 151)

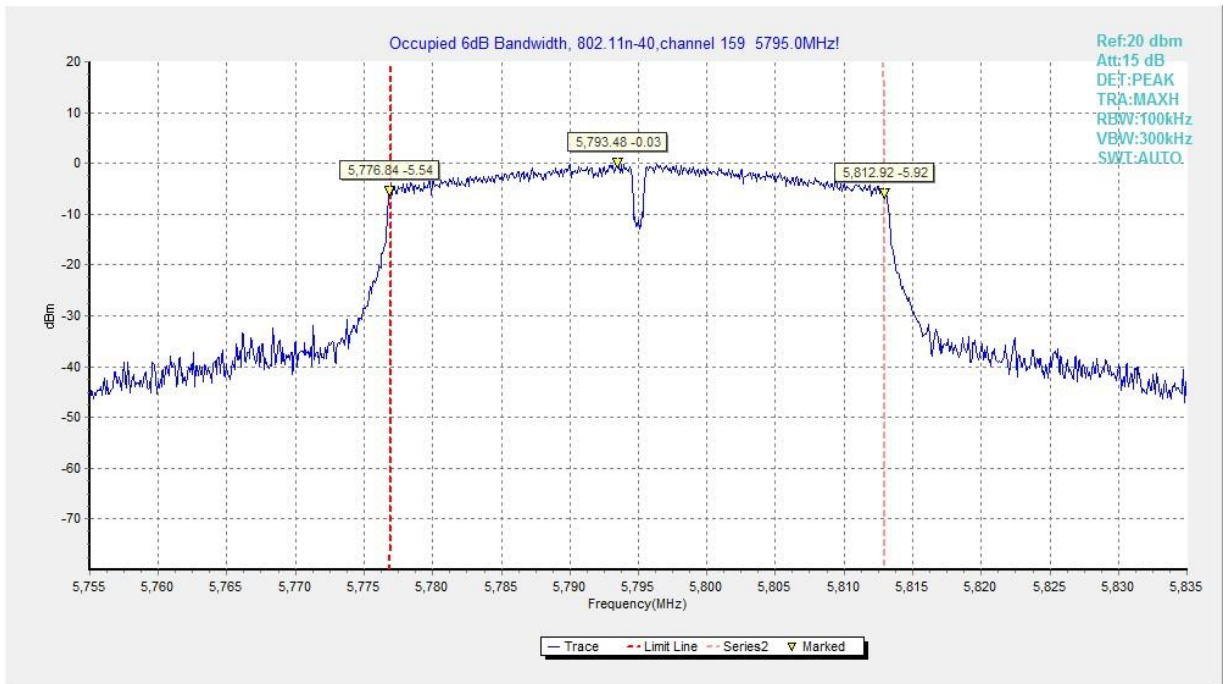


Fig. 8 Occupied 6dB Bandwidth (802.11n-HT40, Ch 159)

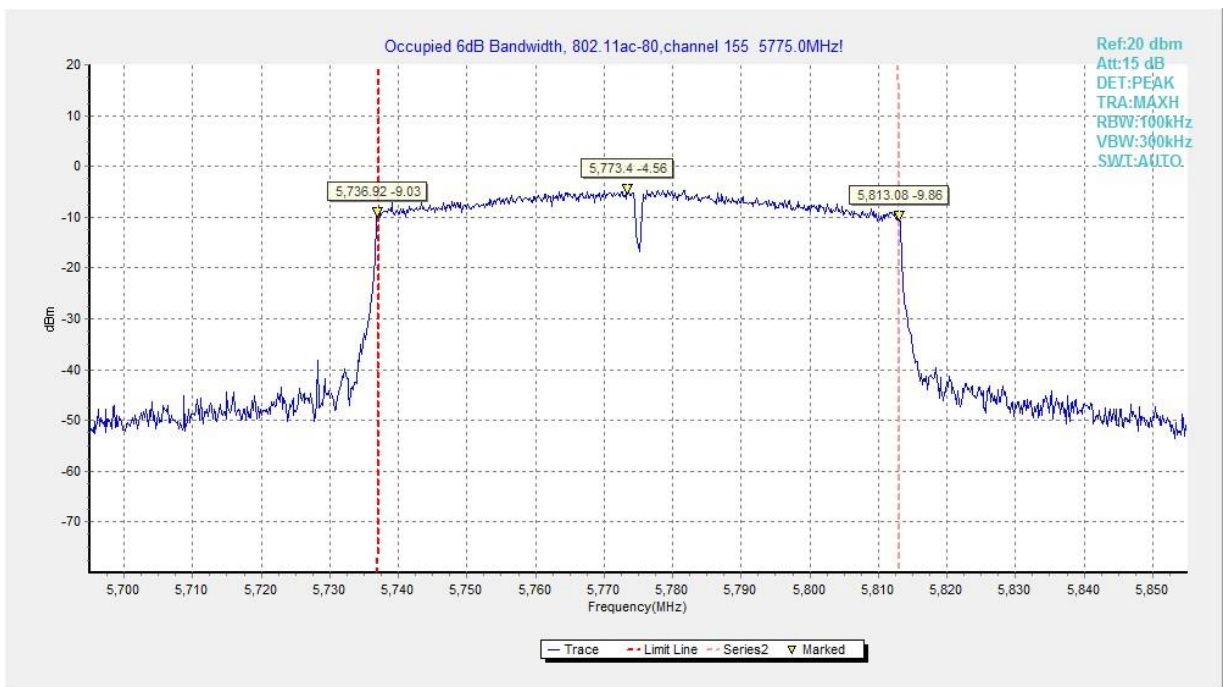


Fig. 9 Occupied 6dB Bandwidth (802.11ac-HT80, Ch 155)

A.5. Transmitter Spurious Emission

Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC 47 CFR Part 15.407	5725MHz~5850MHz	< -27

The measurement is made according to ANSI C63.10 .

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)).

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Measurement Uncertainty:

Frequency Range	Uncertainty(dB)
30MHz ≤ f ≤ 2GHz	0.63
2GHz ≤ f ≤ 3.6GHz	0.82
3.6GHz ≤ f ≤ 8GHz	1.55
8GHz ≤ f ≤ 20GHz	1.86
20GHz ≤ f ≤ 22GHz	1.90
22GHz ≤ f ≤ 26GHz	2.20

A.5.1 Transmitter Spurious Emission - Radiated

Measurement Limit:

Standard	Limit (dBm/MHz)	
FCC 47 CFR Part 15.407	at the band edge	27
	at 5 MHz above or below the band edge	15.6
	at 25 MHz above or below the band edge	10
	at 75 MHz or more above or below the band edge	-27
	Note: Increasing linearly from point to point.	

The measurement is made according to KDB 789033

Measurement Results:

802.11a mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11a	149	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	157	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P

		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P
	165	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	149	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	157	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
	165	26.5 GHz~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11n-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT40)	151	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P
	159	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11ac-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac (HT20)	149	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	157	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P
	165	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11ac-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac (HT40)	151	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P
	159	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11ac-HT80 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac (HT80)	155	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P

Conclusion: PASS

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.

Average Results:
802.11a

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17930.700	42.71	-25.50	46.66	21.55	54.00	11.29	H
17951.600	42.62	-25.50	46.66	21.46	54.00	11.38	H
15941.350	41.65	-27.35	38.54	30.46	54.00	12.35	H
16105.800	41.61	-26.77	38.93	29.45	54.00	12.39	H
11756.950	37.33	-31.99	38.98	30.34	54.00	16.67	H
11994.000	37.16	-31.48	39.09	29.55	54.00	16.84	V

Channel 157

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17957.650	42.91	-25.50	46.66	21.75	54.00	11.09	V
17966.450	42.70	-25.50	46.66	21.54	54.00	11.30	H
15924.300	42.30	-27.35	38.54	31.11	54.00	11.70	H
15998.000	42.07	-27.35	38.54	30.88	54.00	11.93	V
11757.500	37.57	-31.99	38.98	30.58	54.00	16.43	V
11978.600	37.06	-31.48	39.09	29.45	54.00	16.94	H

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17870.200	43.05	-25.50	46.66	21.89	54.00	10.95	H
17967.000	42.92	-25.50	46.66	21.76	54.00	11.08	H
15965.550	42.11	-27.35	38.54	30.92	54.00	11.89	V
15957.300	41.82	-27.35	38.54	30.63	54.00	12.18	V
11874.100	37.53	-31.85	39.05	30.33	54.00	16.47	H
11940.650	37.42	-31.48	39.09	29.81	54.00	16.58	V

802.11n-HT20

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17848.750	43.27	-25.50	46.66	22.11	54.00	10.73	V
17866.900	43.08	-25.50	46.66	21.92	54.00	10.92	H
15954.000	42.25	-27.35	38.54	31.06	54.00	11.75	V
15959.500	41.85	-27.35	38.54	30.66	54.00	12.15	H
11983.550	37.86	-31.48	39.09	30.25	54.00	16.14	V
12000.050	37.14	-31.48	39.09	29.53	54.00	16.86	H

Channel 157

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15966.650	43.18	-27.35	38.54	31.99	54.00	10.82	H
17953.250	42.96	-25.50	46.66	21.80	54.00	11.04	H
17909.250	42.81	-25.50	46.66	21.65	54.00	11.19	H
15986.450	42.01	-27.35	38.54	30.82	54.00	11.99	V
11990.700	37.22	-31.48	39.09	29.61	54.00	16.78	V
11758.050	37.11	-31.99	38.98	30.12	54.00	16.89	V

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17927.400	43.13	-25.50	46.66	21.97	54.00	10.87	V
17968.100	43.03	-25.50	46.66	21.87	54.00	10.97	V
15966.650	42.24	-27.35	38.54	31.05	54.00	11.76	V
16030.450	42.04	-27.35	38.54	30.85	54.00	11.96	V
11968.150	37.08	-31.48	39.09	29.47	54.00	16.92	H
11976.950	37.07	-31.48	39.09	29.46	54.00	16.93	H

802.11n-HT40

Channel 151

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17954.900	43.12	-25.50	46.66	21.96	54.00	10.88	V
17907.600	42.80	-25.50	46.66	21.64	54.00	11.20	V
15961.700	42.36	-27.35	38.54	31.17	54.00	11.64	V
15966.650	42.00	-27.35	38.54	30.81	54.00	12.00	H
11998.950	37.64	-31.48	39.09	30.03	54.00	16.36	H
11739.350	37.52	-31.99	38.98	30.53	54.00	16.48	H

Channel 159

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17870.200	42.93	-25.50	46.66	21.77	54.00	11.07	V
17937.300	42.89	-25.50	46.66	21.73	54.00	11.11	H
15942.450	42.17	-27.35	38.54	30.98	54.00	11.83	V
15934.750	41.75	-27.35	38.54	30.56	54.00	12.25	H
11994.000	37.30	-31.48	39.09	29.69	54.00	16.70	V
11989.050	37.24	-31.48	39.09	29.63	54.00	16.76	V

802.11ac-HT20

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17905.400	42.75	-25.50	46.66	21.59	54.00	11.25	V
17970.850	42.57	-25.50	46.66	21.41	54.00	11.43	V
15893.500	42.21	-26.97	38.48	30.70	54.00	11.79	H
16136.600	41.76	-26.77	38.93	29.60	54.00	12.24	H
11731.100	37.60	-31.99	38.98	30.61	54.00	16.40	H
11994.550	37.11	-31.48	39.09	29.50	54.00	16.89	H

Channel 157

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17913.650	43.16	-25.50	46.66	22.00	54.00	10.84	H
17963.700	42.92	-25.50	46.66	21.76	54.00	11.08	H
16069.500	42.42	-26.77	38.93	30.26	54.00	11.58	H
16037.600	41.98	-27.35	38.54	30.79	54.00	12.02	V
11988.500	37.18	-31.48	39.09	29.57	54.00	16.82	V
11968.150	37.17	-31.48	39.09	29.56	54.00	16.83	V

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.200	43.16	-25.50	46.66	22.00	54.00	10.84	H
17959.300	43.06	-25.50	46.66	21.90	54.00	10.94	H
16028.800	42.24	-27.35	38.54	31.05	54.00	11.76	V
16016.150	42.02	-27.35	38.54	30.83	54.00	11.98	V
11945.050	37.30	-31.48	39.09	29.69	54.00	16.70	V
11998.400	37.10	-31.48	39.09	29.49	54.00	16.90	H

802.11ac-HT40

Channel 151

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17830.050	42.90	-25.50	46.66	21.74	54.00	11.10	V
17871.850	42.73	-25.50	46.66	21.57	54.00	11.27	H
15965.550	42.12	-27.35	38.54	30.93	54.00	11.88	H
15966.650	41.96	-27.35	38.54	30.77	54.00	12.04	H
11747.050	37.24	-31.99	38.98	30.25	54.00	16.76	V
11799.300	37.18	-31.85	39.05	29.98	54.00	16.82	H

Channel 159

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.200	42.76	-25.50	46.66	21.60	54.00	11.24	V
17910.350	42.73	-25.50	46.66	21.57	54.00	11.27	H
16007.350	41.77	-27.35	38.54	30.58	54.00	12.23	V
16035.950	41.63	-27.35	38.54	30.44	54.00	12.37	V
11871.350	37.23	-31.85	39.05	30.03	54.00	16.77	V
11848.250	37.18	-31.85	39.05	29.98	54.00	16.82	V

802.11ac-HT80

Channel 155

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17938.400	42.83	-25.50	46.66	21.67	54.00	11.17	V
17857.550	42.73	-25.50	46.66	21.57	54.00	11.27	V
15923.750	42.10	-27.35	38.54	30.91	54.00	11.90	H
15967.750	41.91	-27.35	38.54	30.72	54.00	12.09	H
11988.500	37.34	-31.48	39.09	29.73	54.00	16.66	H
11947.250	37.19	-31.48	39.09	29.58	54.00	16.81	V

Peak Results:
802.11a

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17854.250	52.68	-25.50	46.66	31.52	74.00	21.32	H
16971.500	52.43	-26.32	42.36	36.38	68.20	15.77	H
17975.250	52.19	-25.50	46.66	31.03	74.00	21.81	V
15990.300	51.81	-27.35	38.54	40.62	74.00	22.19	H
11766.300	46.96	-31.99	38.98	39.97	74.00	27.04	H
11732.200	46.86	-31.99	38.98	39.87	74.00	27.14	V

Channel 157

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17837.200	52.19	-25.50	46.66	31.03	74.00	21.81	H
17974.700	52.14	-25.50	46.66	30.98	74.00	21.86	V
16813.650	51.45	-26.62	41.49	36.58	68.20	16.75	H
16981.950	51.33	-26.32	42.36	35.28	68.20	16.87	V
11980.250	46.44	-31.48	39.09	38.83	74.00	27.56	H
11834.500	46.39	-31.85	39.05	39.19	74.00	27.61	H

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17889.450	52.80	-25.50	46.66	31.64	74.00	21.20	V
17860.300	52.25	-25.50	46.66	31.09	74.00	21.75	V
16977.000	51.88	-26.32	42.36	35.83	68.20	16.32	V
16858.750	51.71	-26.62	41.49	36.84	68.20	16.49	V
11986.300	46.81	-31.48	39.09	39.20	74.00	27.19	V
11844.950	46.75	-31.85	39.05	39.55	74.00	27.25	H

802.11n-HT20

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17949.400	52.32	-25.50	46.66	31.16	74.00	21.68	H
17932.350	52.21	-25.50	46.66	31.05	74.00	21.79	H
16809.250	51.67	-26.62	41.49	36.80	68.20	16.53	H
16967.650	51.52	-26.32	42.36	35.47	68.20	16.68	H
11981.900	47.11	-31.48	39.09	39.50	74.00	26.89	H
11784.450	46.51	-31.99	38.98	39.52	74.00	27.49	H

Channel 157

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17858.100	52.91	-25.50	46.66	31.75	74.00	21.09	V
17850.950	52.16	-25.50	46.66	31.00	74.00	21.84	V
16607.950	51.60	-26.87	40.65	37.82	68.20	16.60	H
16967.100	51.51	-26.32	42.36	35.46	68.20	16.69	H
11976.400	46.96	-31.48	39.09	39.35	74.00	27.04	H
11770.700	46.64	-31.99	38.98	39.65	74.00	27.36	H

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17828.400	52.37	-25.50	46.66	31.21	74.00	21.63	V
17892.200	52.25	-25.50	46.66	31.09	74.00	21.75	V
16782.300	51.42	-26.62	41.49	36.55	68.20	16.78	V
15951.250	51.36	-27.35	38.54	40.17	74.00	22.64	V
12000.050	46.73	-31.48	39.09	39.12	74.00	27.27	V
11472.600	46.63	-32.26	38.84	40.06	74.00	27.37	V

802.11n-HT40

Channel 151

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17952.150	52.23	-25.50	46.66	31.07	74.00	21.77	V
17806.400	52.01	-25.50	46.66	30.85	74.00	21.99	H
16958.850	51.17	-26.32	42.36	35.12	68.20	17.03	H
16280.700	51.15	-27.10	39.31	38.94	68.20	17.05	H
11772.900	46.56	-31.99	38.98	39.57	74.00	27.44	H
11731.650	46.53	-31.99	38.98	39.54	74.00	27.47	V

Channel 159

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	52.22	-25.50	46.66	31.06	74.00	21.78	V
17850.400	52.00	-25.50	46.66	30.84	74.00	22.00	H
16966.550	51.80	-26.32	42.36	35.75	68.20	16.40	V
16934.650	51.76	-26.32	42.36	35.71	68.20	16.44	H
11964.850	46.93	-31.48	39.09	39.32	74.00	27.07	H
11955.500	46.80	-31.48	39.09	39.19	74.00	27.20	H

802.11ac-HT20

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16944.550	52.83	-26.32	42.36	36.78	68.20	15.37	V
17932.900	52.27	-25.50	46.66	31.11	74.00	21.73	V
17920.800	51.90	-25.50	46.66	30.74	74.00	22.10	H
16982.500	51.63	-26.32	42.36	35.58	68.20	16.57	V
11727.800	47.25	-31.99	38.98	40.26	74.00	26.75	V
11996.750	46.98	-31.48	39.09	39.37	74.00	27.02	H

Channel 157

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17864.150	52.92	-25.50	46.66	31.76	74.00	21.08	H
17933.450	52.23	-25.50	46.66	31.07	74.00	21.77	V
16993.500	52.01	-26.32	42.36	35.96	68.20	16.19	H
16504.000	51.61	-26.96	39.82	38.75	68.20	16.59	H
11375.250	46.89	-32.42	38.79	40.52	74.00	27.11	V
11831.750	46.63	-31.85	39.05	39.43	74.00	27.37	H

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17954.350	52.74	-25.50	46.66	31.58	74.00	21.26	H
17362.000	52.64	-25.95	44.35	34.23	68.20	15.56	V
16500.700	51.90	-26.96	39.82	39.04	68.20	16.30	H
15988.100	51.88	-27.35	38.54	40.69	74.00	22.12	V
11836.150	47.11	-31.85	39.05	39.91	74.00	26.89	V
11938.450	46.92	-31.48	39.09	39.31	74.00	27.08	H

802.11ac-HT40

Channel 151

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17365.850	52.37	-25.95	44.35	33.96	68.20	15.83	V
17095.800	51.94	-26.60	43.36	35.18	68.20	16.26	V
16416.550	51.49	-26.96	39.82	38.63	68.20	16.71	V
16351.100	51.22	-27.10	39.31	39.01	68.20	16.98	H
11984.100	46.76	-31.48	39.09	39.15	74.00	27.24	V
11755.300	46.53	-31.99	38.98	39.54	74.00	27.47	V

Channel 159

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17881.750	52.57	-25.50	46.66	31.41	74.00	21.43	H
17822.900	52.40	-25.50	46.66	31.24	74.00	21.60	V
16497.400	52.21	-26.96	39.82	39.35	68.20	15.99	V
16839.500	51.69	-26.62	41.49	36.82	68.20	16.51	H
11950.000	46.72	-31.48	39.09	39.11	74.00	27.28	V
11972.550	46.45	-31.48	39.09	38.84	74.00	27.55	H

802.11ac-HT80

Channel 155

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17946.650	52.83	-25.50	46.66	31.67	74.00	21.17	V
17837.200	52.44	-25.50	46.66	31.28	74.00	21.56	V
16573.850	52.35	-26.87	40.65	38.57	68.20	15.85	V
16874.700	51.74	-26.62	41.49	36.87	68.20	16.46	H
11778.400	46.30	-31.99	38.98	39.31	74.00	27.70	H
11978.050	46.18	-31.48	39.09	38.57	74.00	27.82	H

A.6. Band Edges Compliance

A6.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit (dBm/MHz)	
FCC 47 CFR Part 15.407	at the band edge	27
	at 5 MHz above or below the band edge	15.6
	at 25 MHz above or below the band edge	10
	at 75 MHz or more above or below the band edge	-27
	Note: increasing linearly from point to point.	

Measurement Result:

Mode	Channel	Test Results	Conclusion
802.11a	5745 MHz	Fig.10	P
	5825 MHz	Fig.11	P
802.11n HT20	5745 MHz	Fig.12	P
	5825 MHz	Fig.13	P
802.11n HT40	5755 MHz	Fig.14	P
	5795 MHz	Fig.15	P
802.11ac HT20	5745 MHz	Fig.16	P
	5825 MHz	Fig.17	P
802.11ac HT40	5755 MHz	Fig.18	P
	5795 MHz	Fig.19	P
802.11ac HT80	5775 MHz	Fig.20 Fig.21	P

Conclusion: PASS

Test graphs as below:

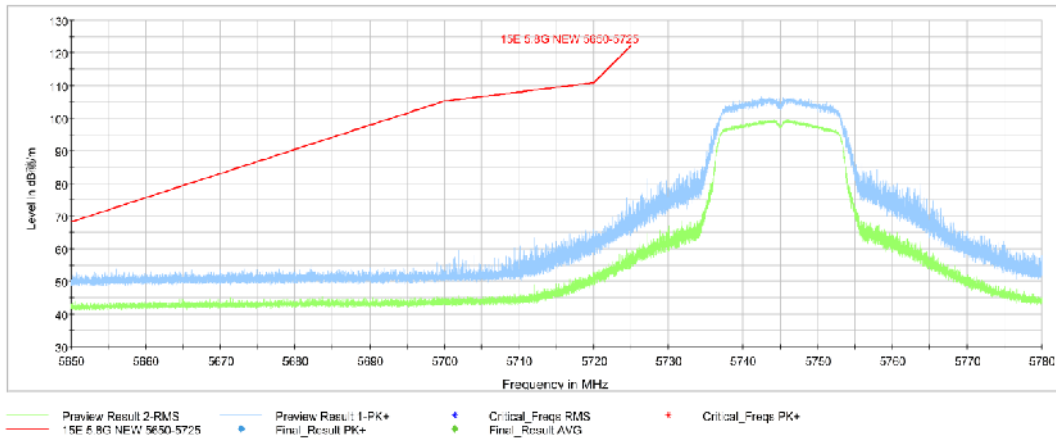


Fig. 10 Band Edges (802.11a Ch149,5745MHz)

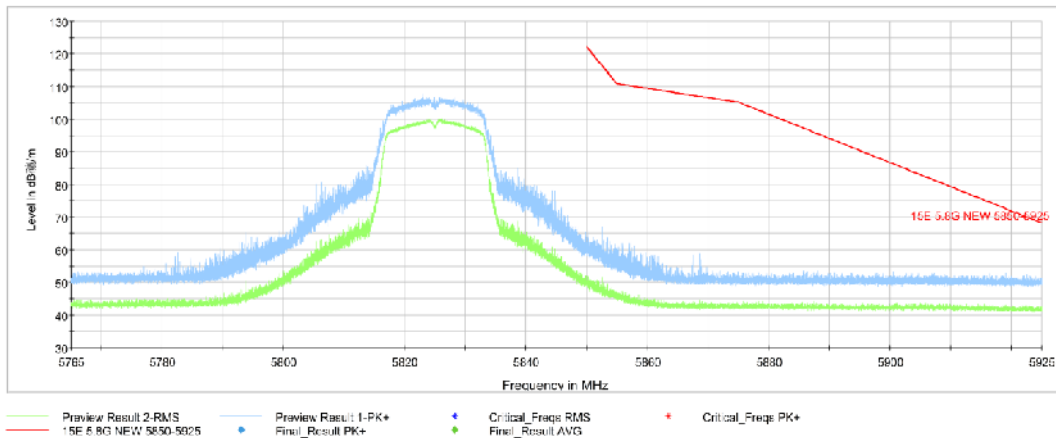


Fig. 11 Band Edges (802.11a Ch165, 5825MHz)

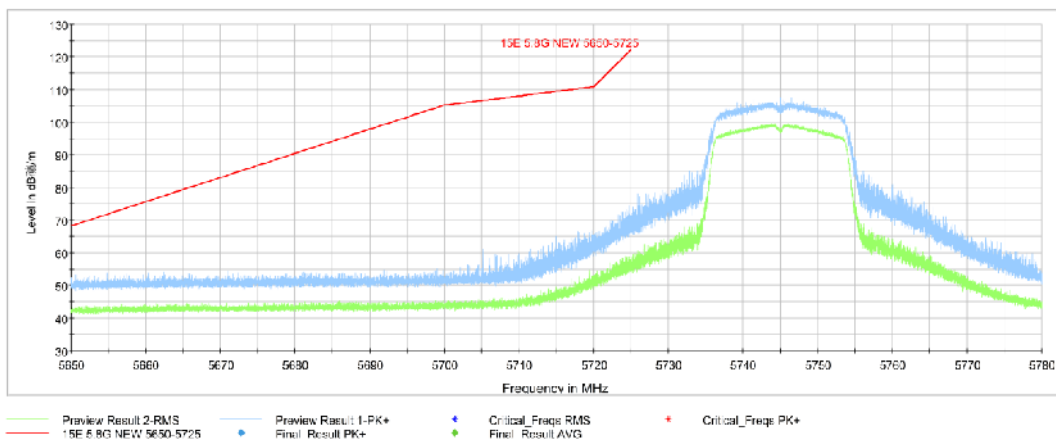


Fig. 12 Band Edges (802.11n-HT20 Ch149, 5745MHz)

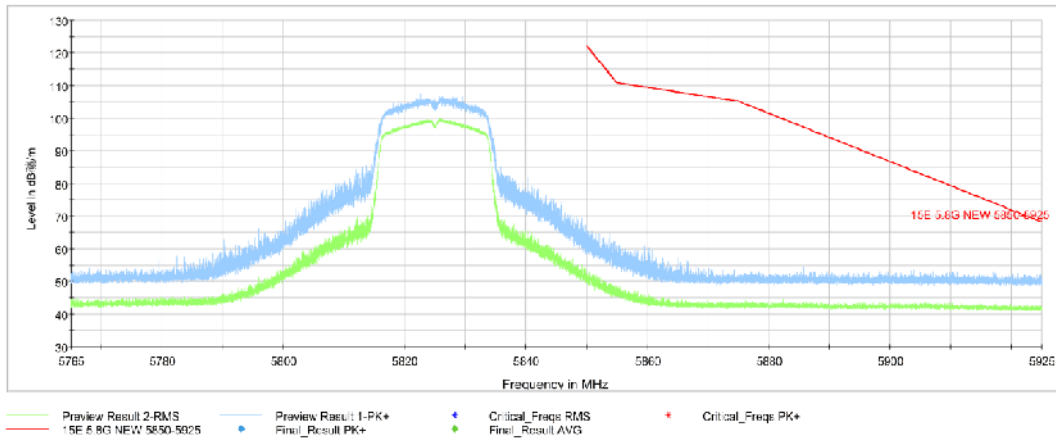


Fig. 13 Band Edges (802.11n-HT20 Ch165, 5825MHz)

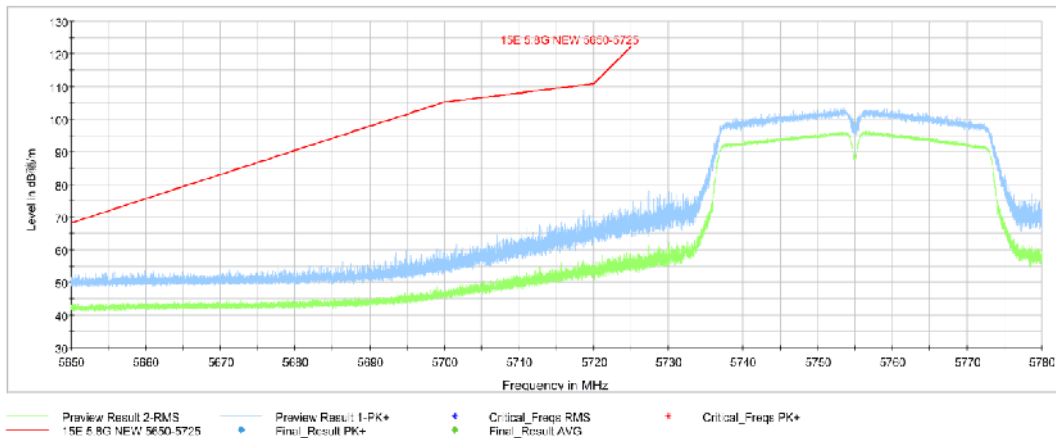


Fig. 14 Band Edges (802.11n-HT40 Ch151, 5755MHz)

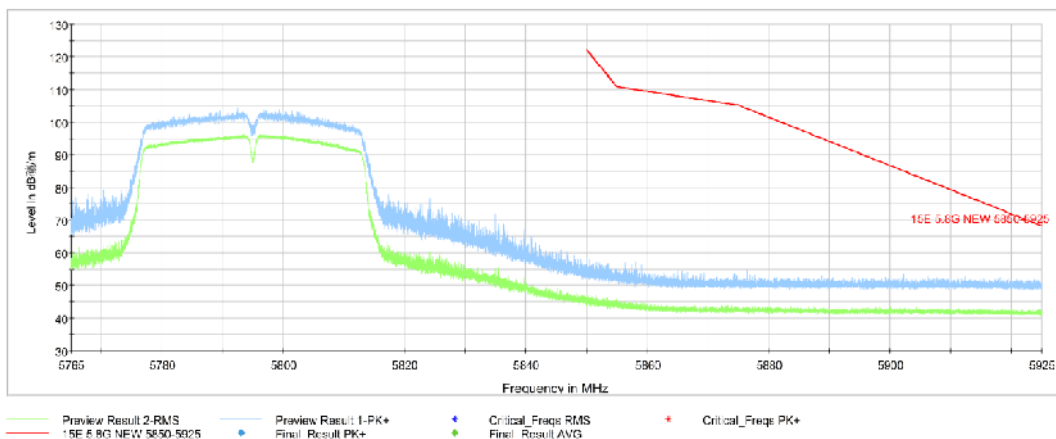


Fig. 15 Band Edges (802.11n-HT40 Ch159, 5795MHz)

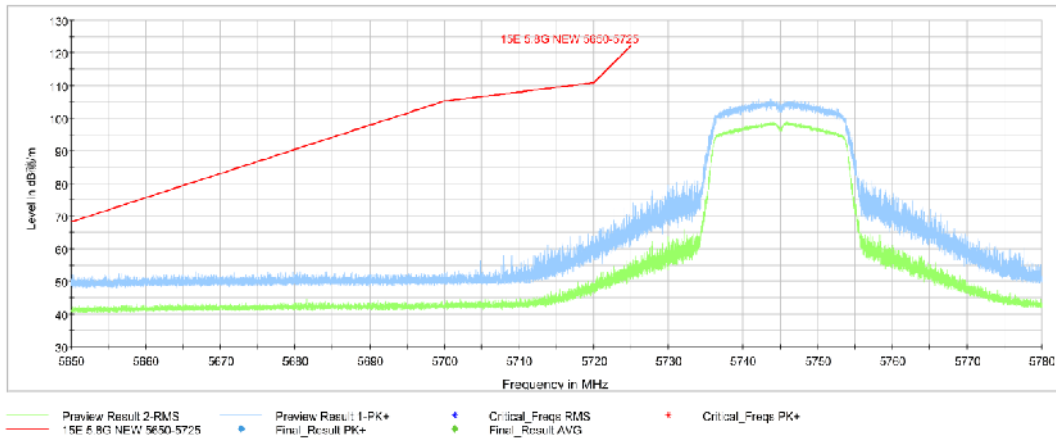


Fig. 16 Band Edges (802.11ac-HT20 Ch149, 5745MHz)

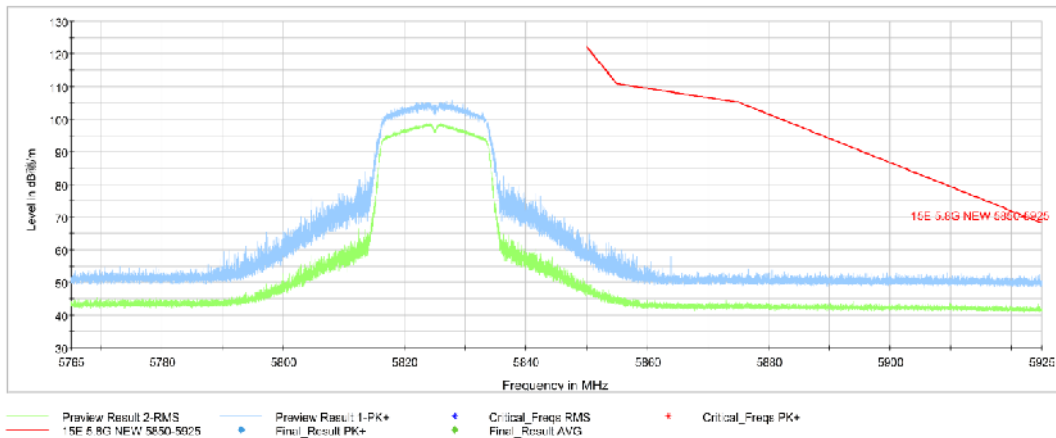


Fig. 17 Band Edges (802.11ac-HT20 Ch165, 5825MHz)

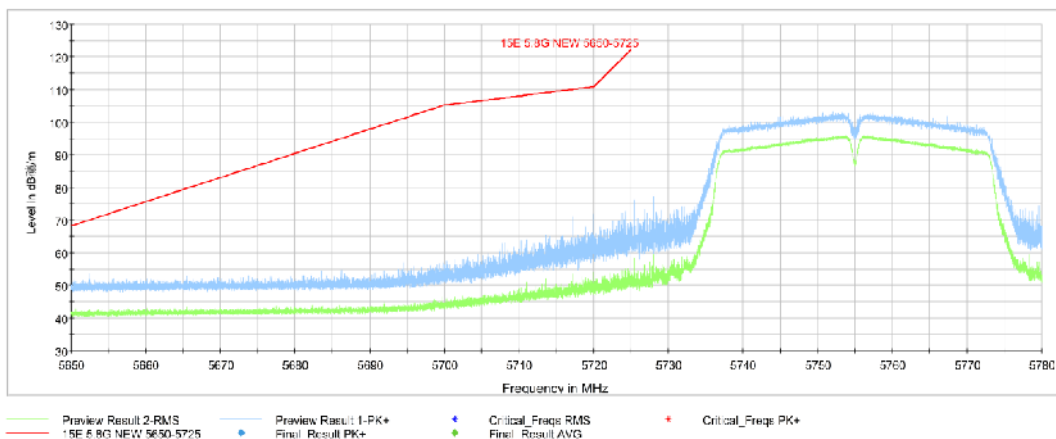


Fig. 18 Band Edges (802.11ac-HT40 Ch151, 5755MHz)

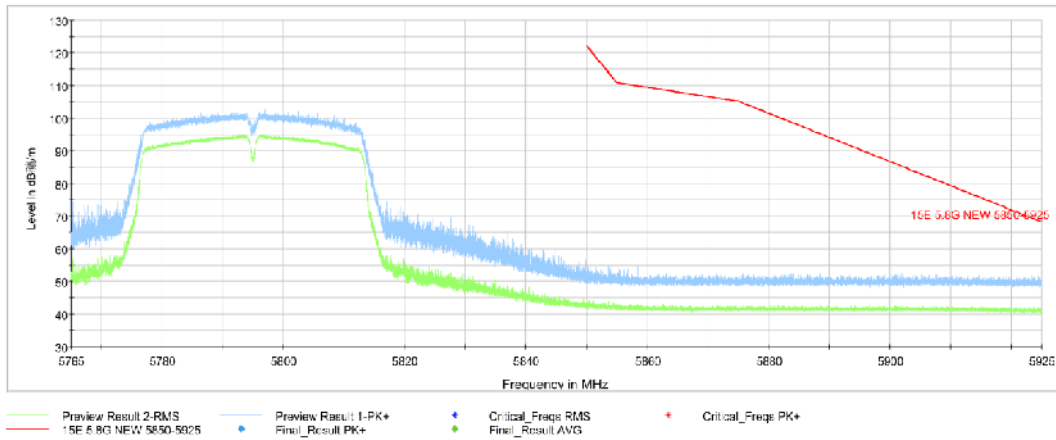


Fig. 19 Band Edges (802.11ac-HT40 Ch159, 5795MHz)

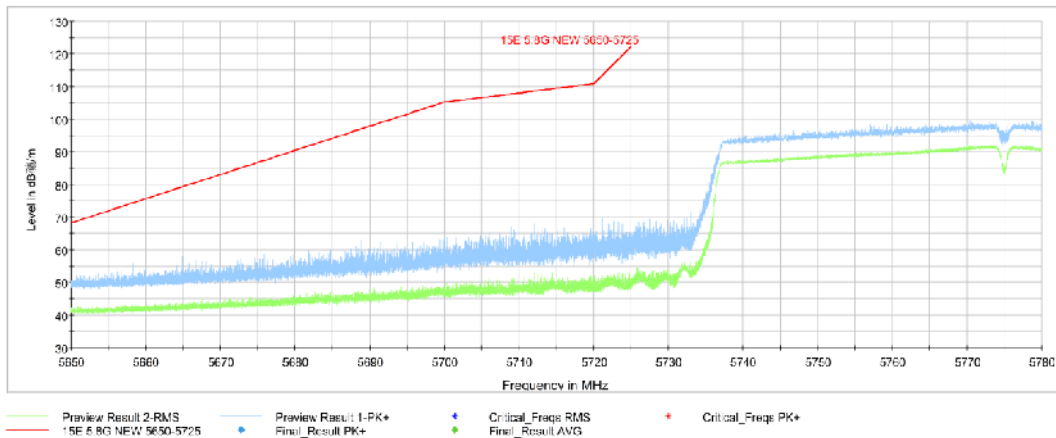


Fig. 20 Band Edges (802.11ac-HT80 Ch155, 5775MHz)

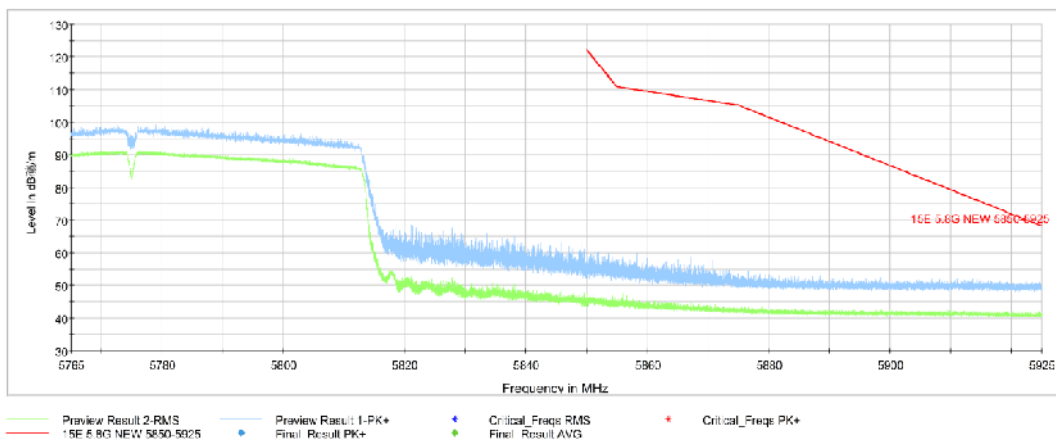


Fig. 21 Band Edges (802.11ac-HT80, 5775MHz)

A.7. AC Powerline Conducted Emission

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement uncertainty:

Expanded measurement uncertainty for this test item is $U = 3.08\text{dB}$, $k=2$.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.22	Fig.23	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.22	Fig.23	P
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

The measurement is made according to ANSI C63.10 .

Conclusion: PASS

Test graphs as below:

Traffic:

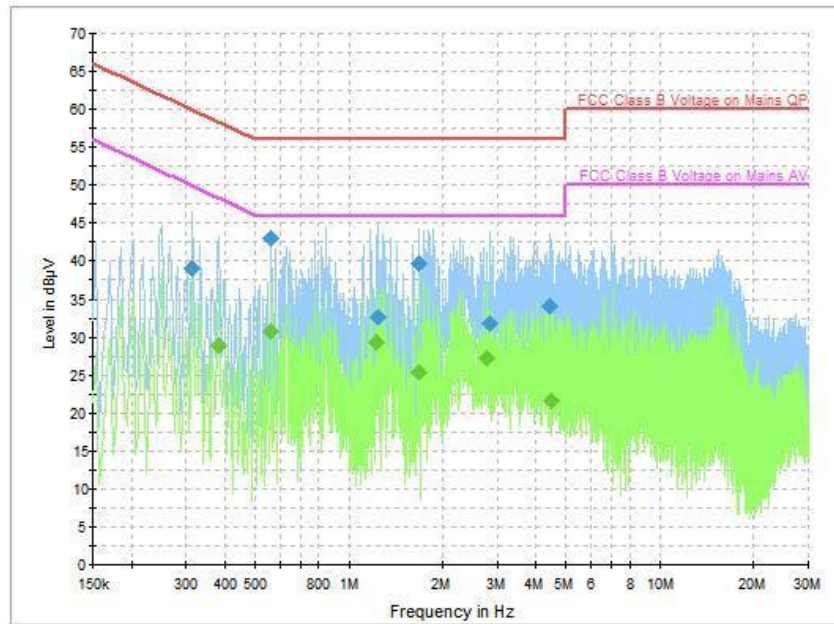


Fig. 22 AC Power line Conducted Emission-802.11a

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.314000	39.1	5000.	9.000	On	L1	19.8	20.8	59.9
0.562000	43.0	5000.	9.000	On	L1	19.7	13.0	56.0
1.238000	32.7	5000.	9.000	On	L1	19.7	23.3	56.0
1.674000	39.6	5000.	9.000	On	L1	19.7	16.4	56.0
2.854000	31.7	5000.	9.000	On	L1	19.5	24.3	56.0
4.406000	34.0	5000.	9.000	On	L1	19.6	22.0	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.382000	28.9	5000.	9.000	On	L1	19.8	19.4	48.2
0.562000	30.8	5000.	9.000	On	L1	19.7	15.2	46.0
1.226000	29.2	5000.	9.000	On	L1	19.7	16.8	46.0
1.674000	25.4	5000.	9.000	On	L1	19.7	20.6	46.0
2.782000	27.2	5000.	9.000	On	L1	19.5	18.8	46.0
4.482000	21.7	5000.	9.000	On	L1	19.5	24.3	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

Idle:

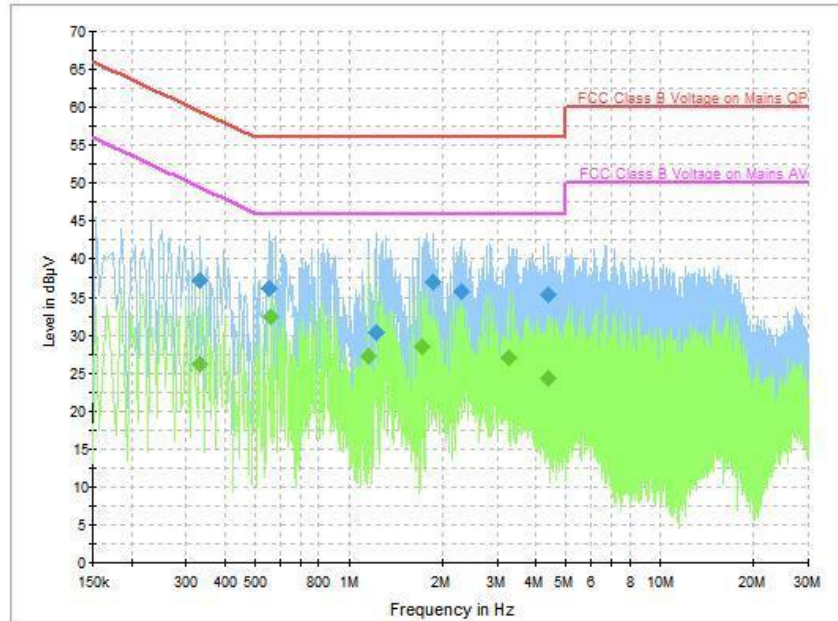


Fig. 23 AC Power line Conducted Emission-Idle

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.330000	37.2	5000.	9.000	On	L1	19.8	22.2	59.5
0.554000	36.2	5000.	9.000	On	N	19.8	19.8	56.0
1.226000	30.3	5000.	9.000	On	L1	19.7	25.7	56.0
1.870000	37.0	5000.	9.000	On	L1	19.6	19.0	56.0
2.314000	35.8	5000.	9.000	On	L1	19.6	20.2	56.0
4.394000	35.3	5000.	9.000	On	L1	19.6	20.7	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.330000	26.2	5000.0	9.000	On	L1	19.8	23.3	49.5
0.562000	32.4	5000.0	9.000	On	L1	19.7	13.6	46.0
1.158000	27.3	5000.0	9.000	On	L1	19.8	18.7	46.0
1.722000	28.5	5000.0	9.000	On	L1	19.6	17.5	46.0
3.278000	27.0	5000.0	9.000	On	L1	19.6	19.0	46.0
4.394000	24.3	5000.0	9.000	On	L1	19.6	21.7	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

ANNEX B: EUT parameters

Disclaimer: The worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX C: Accreditation Certificate



*** END OF REPORT BODY ***