



FCC PART 15C TEST REPORT

No.I23Z60662-IOT07

for

TCL Communication Ltd.

Tablet PC

8196G

With

FCC ID: 2ACCJB201

Hardware Version: PIO

Software Version: v3SSC

Issued Date: 2023-06-12

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
I23Z60662-IOT07	Rev.0	1st edition	2023-06-12

CONTENTS

CONTENTS	3
1. TEST LATORATORY.....	5
1.1. INTRODUCTION & ACCREDITATION	5
1.2. TESTING LOCATION	5
1.3. TESTINGENVIRONMENT	5
1.4. PROJECT DATE	5
1.5. 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
3.4. GENERAL DESCRIPTION.....	8
4. REFERENCE DOCUMENTS	9
4.1. DOCUMENTS SUPPLIED BY APPLICANT	9
4.2. REFERENCE DOCUMENTS FOR TESTING.....	9
5. LABORATORY ENVIRONMENT.....	9
6. SUMMARY OF TEST RESULTS	10
6.1. SUMMARY OF TEST RESULTS.....	10
6.2. STATEMENTS.....	10
6.3. TEST CONDITIONS	10
7. TEST EQUIPMENTS UTILIZED	11
8. MEASUREMENT UNCERTAINTY	12
8.1. TRANSMITTER OUTPUT POWER.....	12
8.2. PEAK POWER SPECTRAL DENSITY	12
8.3. OCCUPIED 6DB BANDWIDTH.....	12
8.4. BAND EDGES COMPLIANCE.....	12
8.5. SPURIOUS EMISSIONS	12
8.6. AC POWER-LINE CONDUCTED EMISSION	12
ANNEX A: MEASUREMENT RESULTS.....	13
A.1. MEASUREMENT METHOD	13
A.2. MAXIMUM PEAK OUTPUT POWER	14
A.2.1 ANTENNA GAIN	14
A.2.2. MAXIMUM AVERAGE OUTPUT POWER-CONDUCTED	14

A.3. PEAK POWER SPECTRAL DENSITY	17
A.4. OCCUPIED 6dB BANDWIDTH	18
A.5. TRANSMITTER SPURIOUS EMISSION	23
A.5.1 TRANSMITTER SPURIOUS EMISSION – RADIATED	23
A.6. BAND EDGES COMPLIANCE	35
A6.1 BAND EDGES - RADIATED.....	35
A.7. AC POWERLINE CONDUCTED EMISSION.....	43
FIG.A7.1 AC POWER LINE CONDUCTED EMISSION-802.11A.....	45
FIG.A7.2 AC POWER LINE CONDUCTED EMISSION-IDLE	46
ANNEX B: EUT PARAMETERS.....	47
ANNEX C: ACCREDITATION CERTIFICATE	47

1. TEST LATORATORY

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

Conducted testing Location: CTTL(huayuan North Road)

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

Radiated testing Location:

CTTL (BDA)

Address: No. 18A, Kangding Street, Beijing Economic-Technology
Development Area, Beijing, 100176, P.R. China

CTTL(huayuan North Road)

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

1.3. Testing Environment

Normal Temperature: 15-35°C

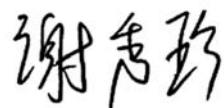
Relative Humidity: 20-75%

1.4. Project date

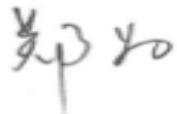
Testing Start Date: 2023-04-13

Testing End Date: 2023-06-12

1.5. Signature



Xie Xiuzhen
(Prepared this test report)



Zheng Wei
(Reviewed this test report)



Pang Shuai
(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: TCL Communication Ltd.
Address: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
Telephone: +86 755 3661 1621
Fax: +86 755 3661 2000-81722

2.2. Manufacturer Information

Company Name: TCL Communication Ltd.
Address: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
Telephone: +86 755 3661 1621
Fax: +86 755 3661 2000-81722

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT(AE)

3.1. About EUT

Description	Tablet PC
Model name	8196G
FCC ID	2ACCJB201
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
UT33a	354304830000889	PIO	v3SSC
UT11a	354304830000376	PIO	v3SSC

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

UT11a is used for Conduction test, UT33a used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Name	Model	Manufacturer			
AE1	Battery	TLp058C8	Huizhou Ganfeng Lienergy Technology Co.,Ltd.			Battery
AE2-1	Adapter(US)	CG10A0502000UU	Huizhou Juwei Electronics Co.,LTD.			
AE2-2	Adapter(EU)	CG10A0502000EU	Huizhou Juwei Electronics Co.,LTD.			
AE2-3	Adapter(US)	UC13US	HUIZHOU PUAN ELECTRONICS CO., LTD			
AE2-4	Adapter(UK)	UC13UK	HUIZHOU PUAN ELECTRONICS CO., LTD			
AE2-5	Adapter(EU)	UC13EU	HUIZHOU PUAN ELECTRONICS CO., LTD			
AE3	Date Cable	JWUB1581-Y50R	Huizhou Juwei Electronics Co.,LTD.			

*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 Tablet PC 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 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2021
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
KDB 558074 D01	Federal Communications Commission Office of Engineering and Technology Laboratory Division GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES	2019

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/manufacturer 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	2024-06-05
2	LISN	ENV216	101200	Rohde & Schwarz	1 year	2023-06-29
3	Test Receiver	ESCI	100344	Rohde & Schwarz	1 year	2024-02-21
4	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESU26	100376	R&S	1 year	2023-09-22
2	Test Receiver	ESW44	103015	R&S	1 year	2024-01-14
3	Test Receiver	ESW44	103144	R&S	1 year	2023-10-25
4	Loop Antenna	HFH2-Z2	829324/007	R&S	1 year	2023-12-22
5	EMI Antenna	VULB9163	01177	Schwarzbeck	1 year	2023-08-03
6	EMI Antenna	3117	00119024	ETS-Lindgren	1 year	2023-06-07
7	EMI Antenna	LB-180400 -25-C-KF	21100840000 06	A-INFO	1 year	2024-03-02

Note: the EMI Antenna which **Serial Number** is 00119024 was before **Calibration Due date** when used.

AC Power Line Conducted Emission

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	LISN	ENV216	101459	R&S	1 year	2024-02-29
2	Test Receiver	ESCI	100766	R&S	1 year	2024-03-30

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)
30MHz ≤ f ≤ 2GHz	1.22
2GHz ≤ f ≤ 3.6GHz	1.22
3.6GHz ≤ f ≤ 8GHz	1.22
8GHz ≤ f ≤ 12.75GHz	1.51
12.75GHz ≤ f ≤ 26GHz	1.51
26GHz ≤ f ≤ 40GHz	1.59

Radiated (k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	4.92
30MHz ≤ f ≤ 1GHz	5.29
1GHz ≤ f ≤ 18GHz	5.62
18GHz ≤ f ≤ 40GHz	3.52

8.6. AC Power-line Conducted Emission

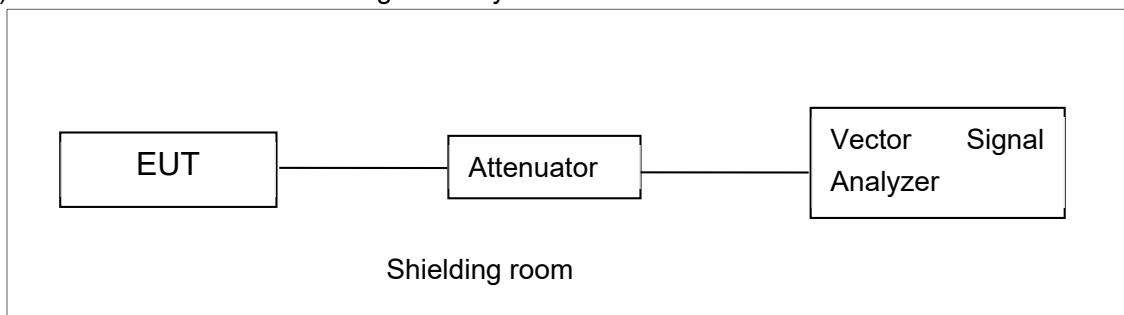
Measurement Uncertainty : 3.10dB, k=2

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

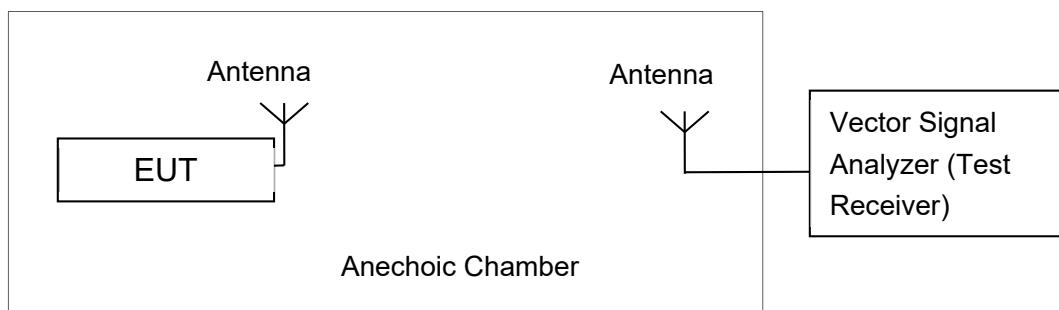


A.1.2. Radiated Emission Measurements

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 0.31dBi and the value is supplied by the applicant or manufacturer.

A.2.2. Maximum Average Output Power-Conducted

Measurement Results:

802.11a mode

Mode	Data Rate (Mbps)	Test Result (dBm)		
		5745MHz (Ch149)	5785MHz (Ch157)	5825MHz (Ch165)
802.11a	6	12.93	12.96	12.98
	9	/	/	/
	12	/	/	/
	18	/	/	/
	24	/	/	/
	36	/	/	/
	48	/	/	/
	54	/	/	/

The data rate 6Mbps is selected as worst 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	12.89	12.92	12.96
	MCS1	/	/	/
	MCS2	/	/	/
	MCS3	/	/	/
	MCS4	/	/	/
	MCS5	/	/	/
	MCS6	/	/	/
	MCS7	/	/	/

The data rate MCS0 is selected as worst 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	12.98	12.95	12.97
	MCS1	/	/	/
	MCS2	/	/	/
	MCS3	/	/	/
	MCS4	/	/	/
	MCS5	/	/	/
	MCS6	/	/	/
	MCS7	/	/	/
	MCS8	/	/	/

The data rate MCS0 is selected as worst 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	12.79	12.94
	MCS1	/	/
	MCS2	/	/
	MCS3	/	/
	MCS4	/	/
	MCS5	/	/
	MCS6	/	/
	MCS7	/	/

The data rate MCS0 is selected as worst 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	12.89	12.99
	MCS1	/	/
	MCS2	/	/
	MCS3	/	/
	MCS4	/	/
	MCS5	/	/
	MCS6	/	/
	MCS7	/	/

	MCS8	/	/
	MCS9	/	/

The data rate MCS0 is selected as worst 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	12.04
	MCS1	/
	MCS2	/
	MCS3	/
	MCS4	/
	MCS5	/
	MCS6	/
	MCS7	/
	MCS8	/
	MCS9	/

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

The duty cycle of all mode are 100%

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	-0.39	P
	157	-0.45	P
	165	-0.96	P
802.11ac HT20	149	-0.35	P
	157	-0.28	P
	165	-0.28	P
802.11ac HT40	151	-3.19	P
	159	-3.20	P
802.11ac HT80	155	-6.69	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
802.11a	149	Fig.1	Pass
	157	Fig.2	Pass
	165	Fig.3	Pass
802.11ac HT20	149	Fig.4	Pass
	157	Fig.5	Pass
	165	Fig.6	Pass
802.11ac HT40	151	Fig.7	Pass
	159	Fig.8	Pass
802.11ac HT80	155	Fig.9	Pass

Conclusion: PASS

Test graphs as below:

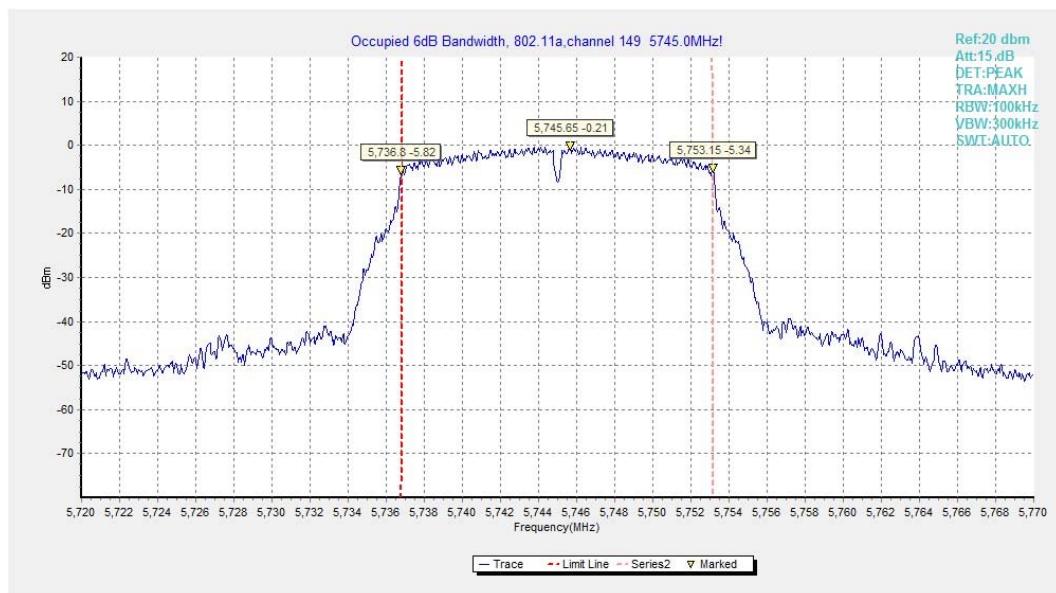


Fig. 1 Occupied 6dB Bandwidth (802.11a, Ch 149)

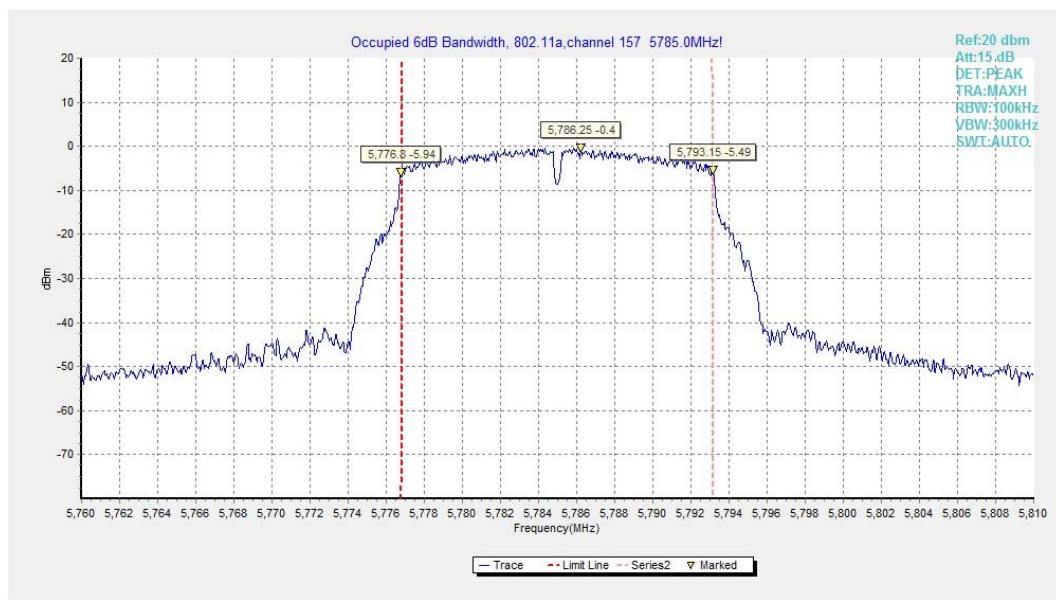


Fig. 2 Occupied 6dB Bandwidth (802.11a, Ch 157)

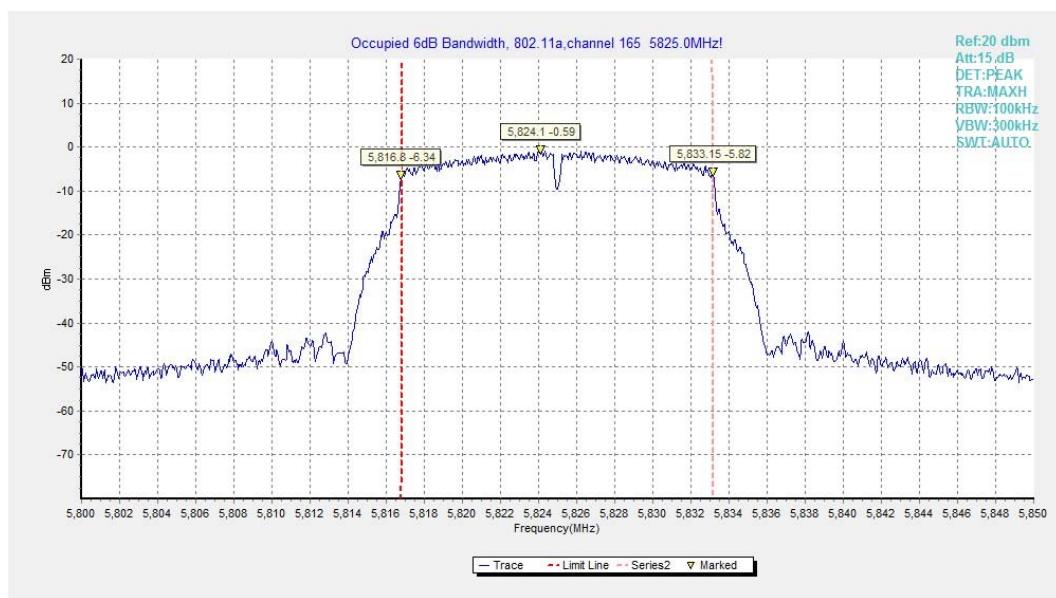


Fig. 3 Occupied 6dB Bandwidth (802.11a, Ch 165)

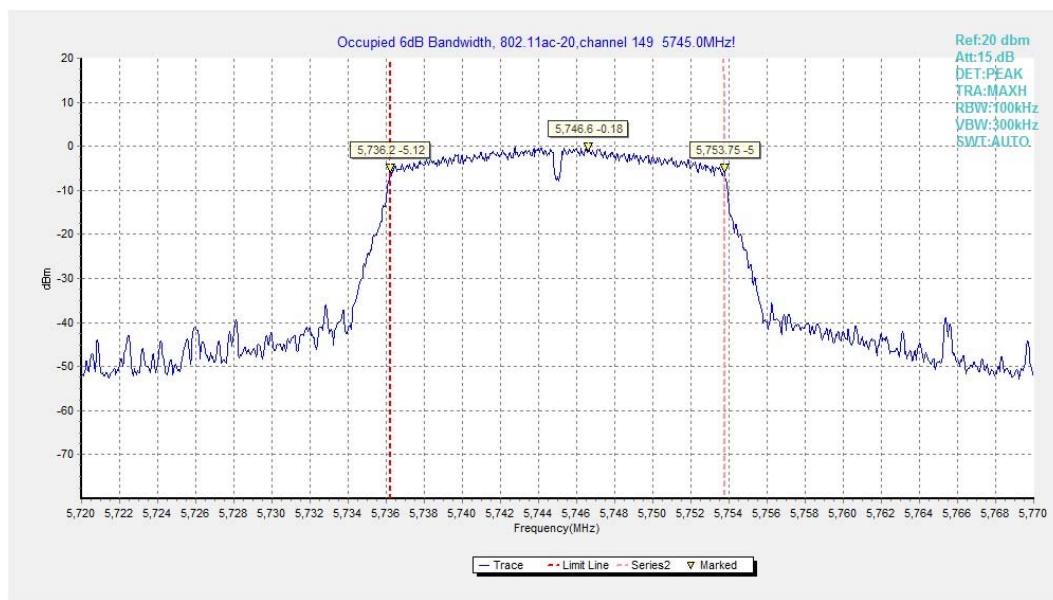


Fig. 4 Occupied 6dB Bandwidth (802.11ac-HT20, Ch 149)



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

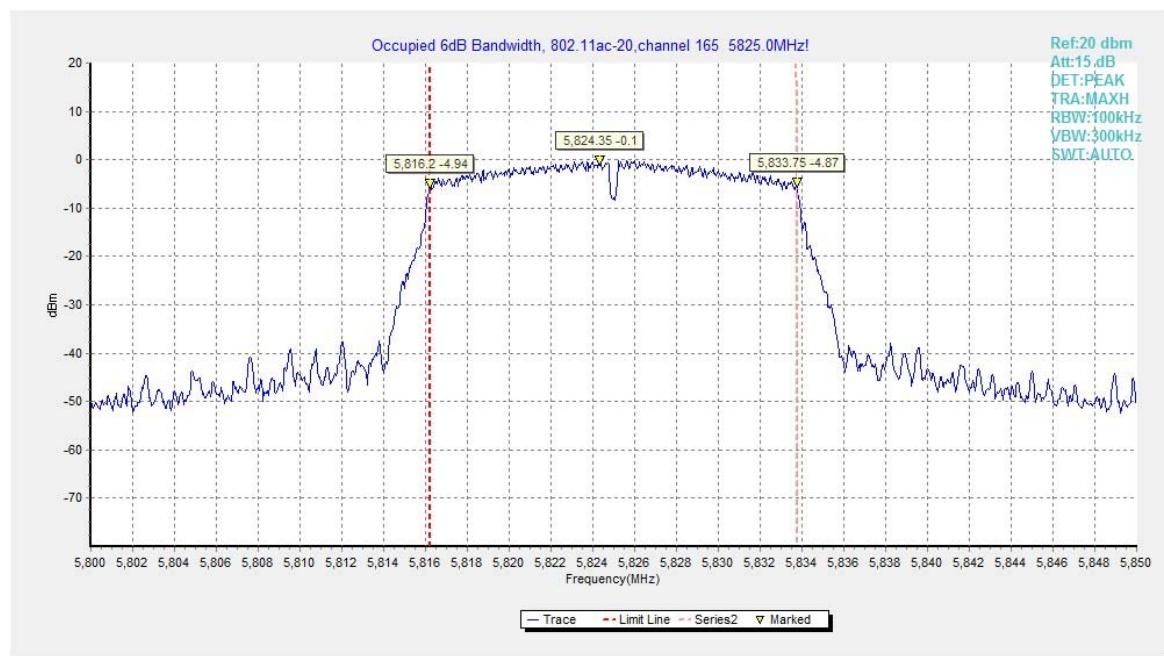


Fig. 6 Occupied 6dB Bandwidth (802.11ac-HT20, Ch 165)

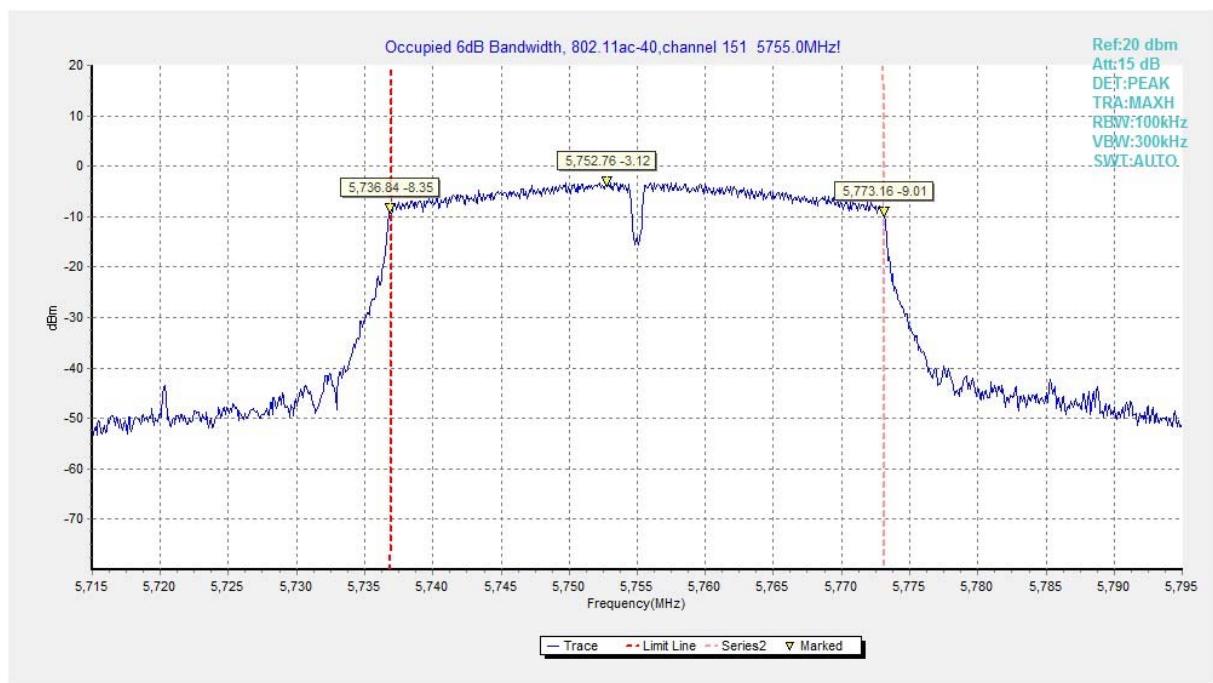


Fig. 7 Occupied 6dB Bandwidth (802.11ac-HT40, Ch 151)

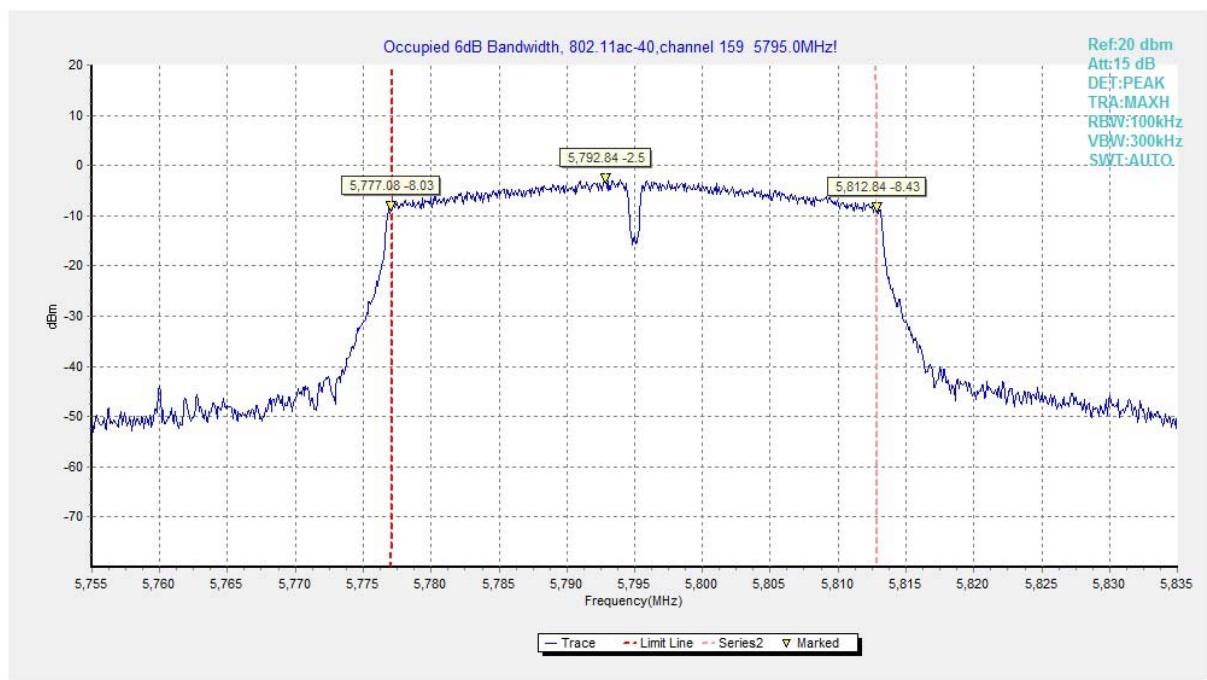


Fig. 8 Occupied 6dB Bandwidth (802.11ac-HT40, Ch 159)

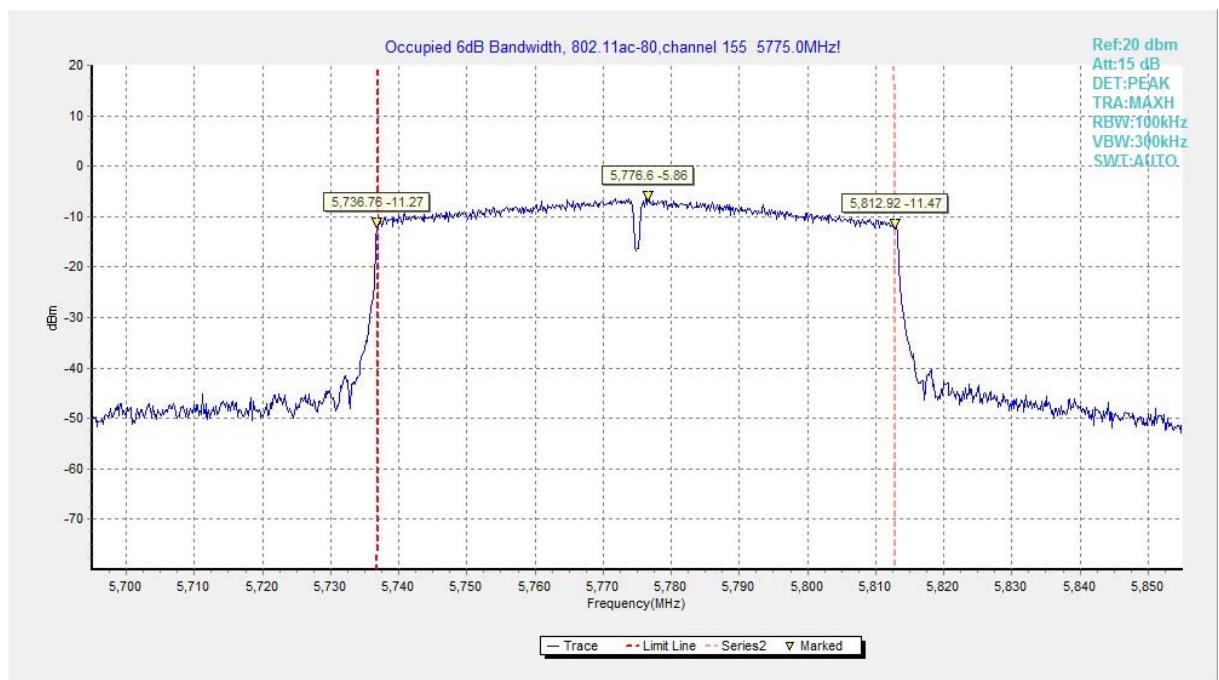


Fig. 9 Occupied 6dB Bandwidth (802.11ac-HT80, Ch 155)

A.5. Transmitter Spurious Emission

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

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)).

Limit in restricted band:

Frequency (MHz)	Field strength(μ V/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Frequency of emission (MHz)	Field strength (μ V/m)	Field strength (dBuV/m)	Measurement distance (m)
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Set up:

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m. For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m

The EUT and transmitting antenna shall be centered on the turntable.

Test Procedure

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. 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. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The receiver references:

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100kHz/300kHz	5
1000-7000	1MHz/3MHz	15
7000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

Sample Calculations

1. Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log(D) + 104.77$$

Where:

E is the field strength in dB μ V/m

D is the measurement distance in meters

EIRP is the equivalent isotropically radiated power in dbm

2. The measurement results are obtained as described below:

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

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.

Note:

The range of evaluated frequency is from 9 kHz to 26GHz. Measurement value showed here only up to 6 maximum emissions noted.

Measurement Results:
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)
5360.000	43.08	-23.88	34.50	32.45	54.00	10.92	V
5388.000	43.05	-23.94	34.50	32.49	54.00	10.95	V
9192.000	34.23	-31.96	36.20	29.99	54.00	19.77	H
11492.000	33.64	-31.74	38.19	27.19	54.00	20.36	H
15908.500	37.91	-26.28	40.71	23.49	54.00	16.09	V
17989.000	38.98	-25.85	41.20	23.63	54.00	15.02	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)
5358.000	43.04	-23.89	34.50	32.43	54.00	10.96	V
5372.800	43.14	-23.82	34.50	32.46	54.00	10.86	V
11569.500	33.32	-32.05	38.41	26.96	54.00	20.68	V
15919.000	37.88	-26.27	40.72	23.43	54.00	16.12	H
17753.500	38.17	-25.69	41.30	22.56	54.00	15.83	V
17986.500	38.88	-25.84	41.20	23.53	54.00	15.12	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)
5363.200	43.06	-23.86	34.50	32.43	54.00	10.94	V
5373.600	43.11	-23.81	34.50	32.43	54.00	10.89	V
9319.500	34.21	-32.13	36.40	29.94	54.00	19.79	V
11650.000	33.69	-31.42	38.60	26.50	54.00	20.31	H
15871.500	37.71	-26.30	40.64	23.36	54.00	16.29	H
17988.000	38.97	-25.84	41.20	23.61	54.00	15.03	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)
5367.200	43.12	-23.84	34.50	32.46	54.00	10.88	V
5371.600	43.09	-23.82	34.50	32.41	54.00	10.91	V
9192.000	34.22	-31.96	36.20	29.98	54.00	19.78	V
11490.500	33.48	-31.73	38.19	27.02	54.00	20.52	V
15921.000	37.95	-26.27	40.72	23.50	54.00	16.05	H
17984.500	38.87	-25.84	41.20	23.51	54.00	15.13	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)
5354.400	43.09	-23.90	34.50	32.49	54.00	10.91	V
5374.000	43.17	-23.81	34.50	32.49	54.00	10.83	V
11570.000	33.12	-32.04	38.41	26.75	54.00	20.88	V
15862.000	37.74	-26.30	40.62	23.41	54.00	16.26	H
17832.000	38.10	-25.73	41.27	22.57	54.00	15.90	H
17988.500	38.85	-25.85	41.20	23.50	54.00	15.15	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)
5352.600	43.09	-23.91	34.50	32.50	54.00	10.91	V
5375.200	43.18	-23.82	34.50	32.50	54.00	10.82	V
9320.000	34.25	-32.13	36.40	29.98	54.00	19.75	V
11650.000	33.52	-31.42	38.60	26.34	54.00	20.48	V
15872.000	37.67	-26.30	40.64	23.33	54.00	16.33	H
17970.500	38.75	-25.83	41.20	23.38	54.00	15.25	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)
5356.200	43.07	-23.90	34.50	32.47	54.00	10.93	V
5374.400	43.10	-23.81	34.50	32.41	54.00	10.90	V
11510.000	32.85	-31.83	38.23	26.45	54.00	21.15	V
15887.000	37.83	-26.29	40.67	23.45	54.00	16.17	V
17791.000	38.18	-25.71	41.30	22.59	54.00	15.82	V
17975.500	38.82	-25.83	41.20	23.45	54.00	15.18	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)
5358.000	43.02	-23.89	34.50	32.41	54.00	10.98	V
5372.600	43.09	-23.82	34.50	32.41	54.00	10.91	V
11590.000	32.99	-31.89	38.47	26.40	54.00	21.01	V
15920.500	37.89	-26.27	40.72	23.44	54.00	16.11	V
17802.000	38.12	-25.72	41.30	22.54	54.00	15.88	V
17983.500	38.87	-25.84	41.20	23.51	54.00	15.13	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)
5352.200	43.13	-23.91	34.50	32.55	54.00	10.87	V
5376.200	43.15	-23.83	34.50	32.48	54.00	10.85	V
9192.000	34.35	-31.96	36.20	30.11	54.00	19.65	V
11491.000	33.80	-31.74	38.19	27.35	54.00	20.20	V
15867.500	37.75	-26.30	40.64	23.41	54.00	16.25	V
17976.000	38.77	-25.84	41.20	23.41	54.00	15.23	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)
5353.600	43.03	-23.91	34.50	32.43	54.00	10.97	V
5372.400	43.13	-23.82	34.50	32.45	54.00	10.87	V
11570.000	33.47	-32.04	38.41	27.11	54.00	20.53	H
15915.500	37.94	-26.28	40.72	23.50	54.00	16.06	V
17904.000	38.26	-25.78	41.20	22.84	54.00	15.74	V
17964.500	38.67	-25.83	41.20	23.29	54.00	15.33	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)
5355.000	43.09	-23.90	34.50	32.49	54.00	10.91	V
5373.400	43.24	-23.81	34.50	32.55	54.00	10.76	V
9319.500	34.21	-32.13	36.40	29.94	54.00	19.79	V
11650.000	33.69	-31.42	38.60	26.50	54.00	20.31	V
15871.500	37.71	-26.30	40.64	23.36	54.00	16.29	H
17988.000	38.97	-25.84	41.20	23.61	54.00	15.03	V

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)
5352.400	43.14	-23.91	34.50	32.56	54.00	10.86	V
5373.800	43.19	-23.81	34.50	32.51	54.00	10.81	V
11510.000	32.94	-31.83	38.23	26.54	54.00	21.06	H
15924.500	37.94	-26.27	40.72	23.48	54.00	16.06	V
17829.000	38.17	-25.73	41.27	22.64	54.00	15.83	V
17978.500	38.83	-25.84	41.20	23.47	54.00	15.17	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)
5359.600	43.02	-23.88	34.50	32.40	54.00	10.98	V
5372.800	43.14	-23.82	34.50	32.46	54.00	10.86	V
11590.000	32.98	-31.89	38.47	26.40	54.00	21.02	H
15920.000	37.99	-26.27	40.72	23.54	54.00	16.01	V
17956.000	38.52	-25.82	41.20	23.14	54.00	15.48	V
17987.500	38.93	-25.84	41.20	23.57	54.00	15.07	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)
5358.600	43.09	-23.88	34.50	32.47	48.30	5.21	V
5375.200	43.08	-23.82	34.50	32.40	48.30	5.22	V
11550.000	32.54	-32.04	38.35	26.22	48.30	15.76	H
15909.500	37.91	-26.28	40.71	23.48	48.30	10.39	V
17918.000	38.19	-25.79	41.20	22.78	48.30	10.11	H
17986.000	38.79	-25.84	41.20	23.44	48.30	9.51	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)
5650.417	57.06	-23.80	34.70	46.17	68.51	11.45	H
5650.704	56.02	-23.80	34.70	45.12	68.72	12.70	V
11490.500	46.74	-31.73	38.19	40.29	74.00	27.26	H
17233.500	52.89	-25.83	41.27	37.45	68.30	15.41	V
17477.000	52.75	-25.78	41.20	37.33	68.30	15.55	H
17691.000	51.98	-25.68	41.29	36.37	68.30	16.32	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)
5760.600	57.49	-23.25	34.94	45.79	68.30	10.81	V
5805.000	58.58	-22.88	35.10	46.36	68.30	9.72	H
11575.000	47.45	-32.00	38.43	41.03	74.00	26.55	V
17355.000	50.88	-25.89	41.20	35.56	68.30	17.42	H
17471.000	52.08	-25.79	41.20	36.67	68.30	16.22	H
17599.000	52.10	-25.68	41.20	36.58	68.30	16.20	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)
5924.526	56.84	-23.35	35.25	44.95	68.55	11.71	H
5924.777	57.50	-23.35	35.25	45.60	68.36	10.87	H
11653.000	46.15	-31.39	38.61	38.94	74.00	27.85	V
17477.500	51.78	-25.78	41.20	36.37	68.30	16.52	H
17588.500	51.78	-25.68	41.20	36.25	68.30	16.52	H
17676.000	51.00	-25.68	41.28	35.40	68.30	17.30	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)
5650.532	56.92	-23.80	34.70	46.02	68.59	11.68	H
5650.827	56.20	-23.80	34.70	45.30	68.81	12.62	V
11489.000	45.73	-31.73	38.19	39.27	74.00	28.27	H
17235.000	51.35	-25.83	41.26	35.92	68.30	16.95	H
17448.500	52.10	-25.82	41.20	36.72	68.30	16.20	V
17615.500	52.61	-25.68	41.22	37.08	68.30	15.69	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)
5742.800	57.25	-23.35	34.89	45.72	68.30	11.05	V
5816.600	57.70	-22.79	35.10	45.39	68.30	10.60	V
11570.500	46.24	-32.04	38.41	39.87	74.00	27.76	V
17360.000	52.42	-25.89	41.20	37.11	68.30	15.88	V
17536.500	52.71	-25.71	41.20	37.21	68.30	15.59	H
17673.000	51.13	-25.68	41.27	35.54	68.30	17.17	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)
5923.009	58.28	-23.35	35.25	46.37	69.67	11.40	V
5923.642	57.94	-23.35	35.25	46.03	69.21	11.27	H
11650.000	45.89	-31.42	38.60	38.71	74.00	28.11	V
17475.000	50.14	-25.79	41.20	34.73	68.30	18.16	V
17549.500	51.95	-25.69	41.20	36.44	68.30	16.35	V
17648.500	52.20	-25.68	41.25	36.62	68.30	16.10	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)
5651.265	56.77	-23.80	34.70	45.87	69.14	12.36	H
5651.898	56.09	-23.80	34.70	45.18	69.60	13.52	V
11510.000	44.38	-31.83	38.23	37.98	74.00	29.62	H
17265.000	49.89	-25.85	41.23	34.50	68.30	18.41	H
17506.000	52.86	-25.75	41.20	37.40	68.30	15.44	H
17670.500	51.65	-25.68	41.27	36.06	68.30	16.65	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)
5923.764	57.61	-23.35	35.25	45.71	69.11	11.50	H
5924.080	57.74	-23.35	35.25	45.84	68.88	11.14	V
11590.000	44.39	-31.89	38.47	37.81	74.00	29.61	V
17385.000	50.24	-25.90	41.20	34.94	68.30	18.06	V
17508.500	52.10	-25.74	41.20	36.64	68.30	16.20	V
17602.000	51.89	-25.68	41.20	36.37	68.30	16.41	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)
5650.434	56.57	-23.80	34.70	45.68	68.52	11.95	H
5650.841	56.50	-23.80	34.70	45.60	68.82	12.32	H
11490.000	44.40	-31.73	38.19	37.94	74.00	29.60	V
17232.500	52.79	-25.83	41.27	37.36	68.30	15.51	V
17516.000	53.13	-25.73	41.20	37.67	68.30	15.17	V
17663.500	51.72	-25.68	41.26	36.13	68.30	16.58	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)
5755.000	58.42	-23.28	34.92	46.78	68.30	9.88	H
5816.600	58.40	-22.79	35.10	46.09	68.30	9.90	H
11570.000	44.17	-32.04	38.41	37.80	74.00	29.83	H
17355.000	51.50	-25.89	41.20	36.18	68.30	16.80	H
17553.000	52.77	-25.69	41.20	37.26	68.30	15.53	H
17636.000	52.13	-25.68	41.24	36.57	68.30	16.17	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)
5922.599	57.06	-23.35	35.25	45.15	69.98	12.92	H
5923.059	58.70	-23.35	35.25	46.80	69.64	10.93	V
11650.000	45.45	-31.42	38.60	38.27	74.00	28.55	H
17475.000	50.54	-25.79	41.20	35.13	68.30	17.76	H
17588.500	51.78	-25.68	41.20	36.25	68.30	16.52	H
17683.000	50.95	-25.68	41.28	35.35	68.30	17.35	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)
5650.295	57.17	-23.81	34.70	46.27	68.42	11.25	H
5650.812	57.16	-23.80	34.70	46.26	68.80	11.64	V
11510.000	48.59	-31.83	38.23	42.19	74.00	25.41	H
17265.000	50.46	-25.85	41.23	35.07	68.30	17.84	H
17391.000	52.01	-25.90	41.20	36.71	68.30	16.29	V
17678.000	51.98	-25.68	41.28	36.38	68.30	16.32	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)
5923.821	57.04	-23.35	35.25	45.13	69.07	12.04	V
5924.209	57.83	-23.35	35.25	45.93	68.79	10.96	V
11590.000	44.87	-31.89	38.47	38.29	74.00	29.13	H
17385.000	50.71	-25.90	41.20	35.41	68.30	17.59	H
17523.000	52.86	-25.73	41.20	37.38	68.30	15.44	H
17674.500	51.90	-25.68	41.27	36.30	68.30	16.40	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)
5650.374	56.80	-23.81	34.70	45.91	68.48	11.67	H
5650.525	56.30	-23.80	34.70	45.41	68.59	12.29	H
11550.000	43.60	-32.04	38.35	37.28	74.00	30.40	V
17324.500	53.49	-25.87	41.20	38.17	68.30	14.81	V
5924.173	56.60	-23.35	35.25	44.70	68.81	12.21	V
5924.411	57.20	-23.35	35.25	45.30	68.64	11.43	V

Conclusion: PASS
Note:

1. The spurious emission above 18G is noise only.
2. All emissions below 30MHz are more than 20 dB below the limit

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.	

Set up:

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m and the table height shall be 1.5 m.

The EUT and transmitting antenna shall be centered on the turntable.

Test Procedure

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. 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. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The receiver references:

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

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 3MHz

Sample Calculations

Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = EIRP - 20 \log(D) + 104.77 \quad \text{Where:}$$

E is the field strength in dB μ V/m

D is the measurement distance in meters

EIRP is the equivalent isotropically radiated power in dbm

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:

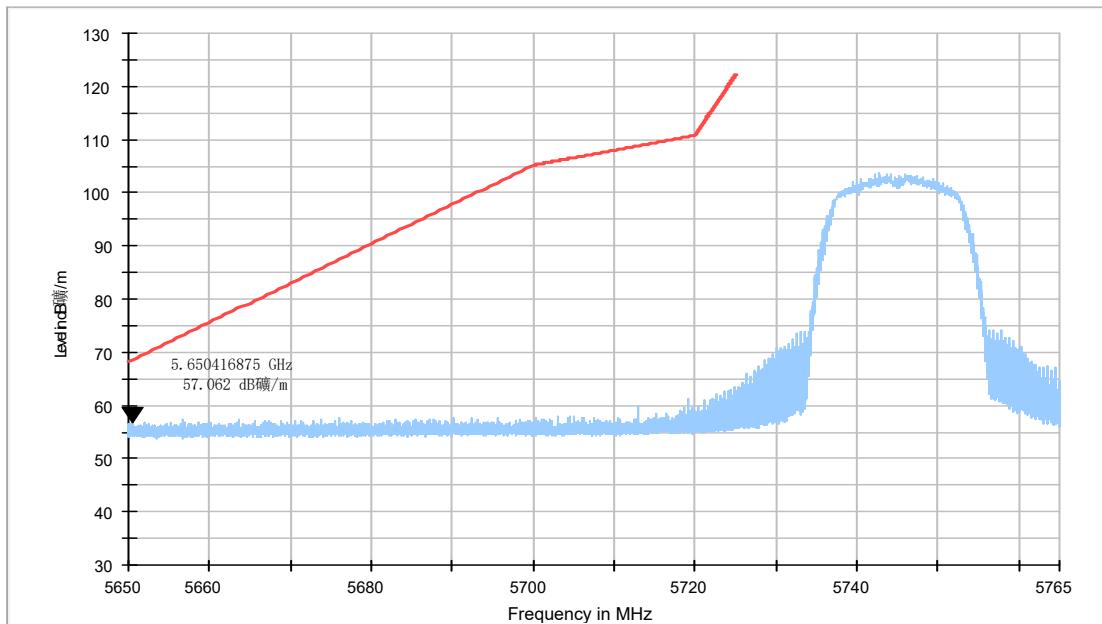


Fig. 10 Band Edges (802.11a Ch149, 5745MHz)

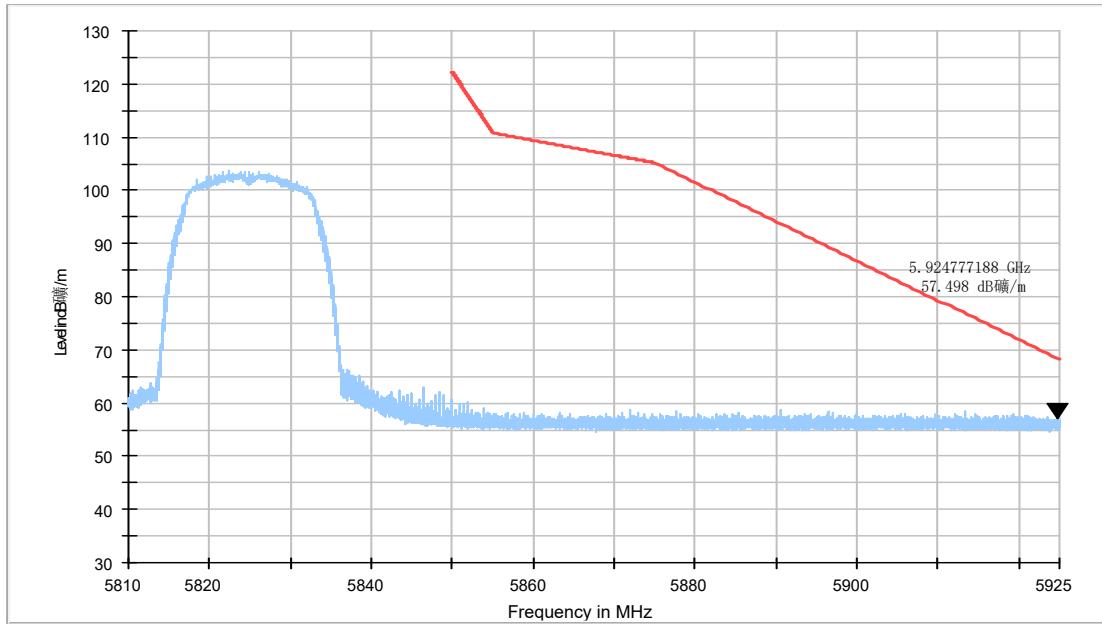


Fig. 11 Band Edges (802.11a Ch165, 5825MHz)

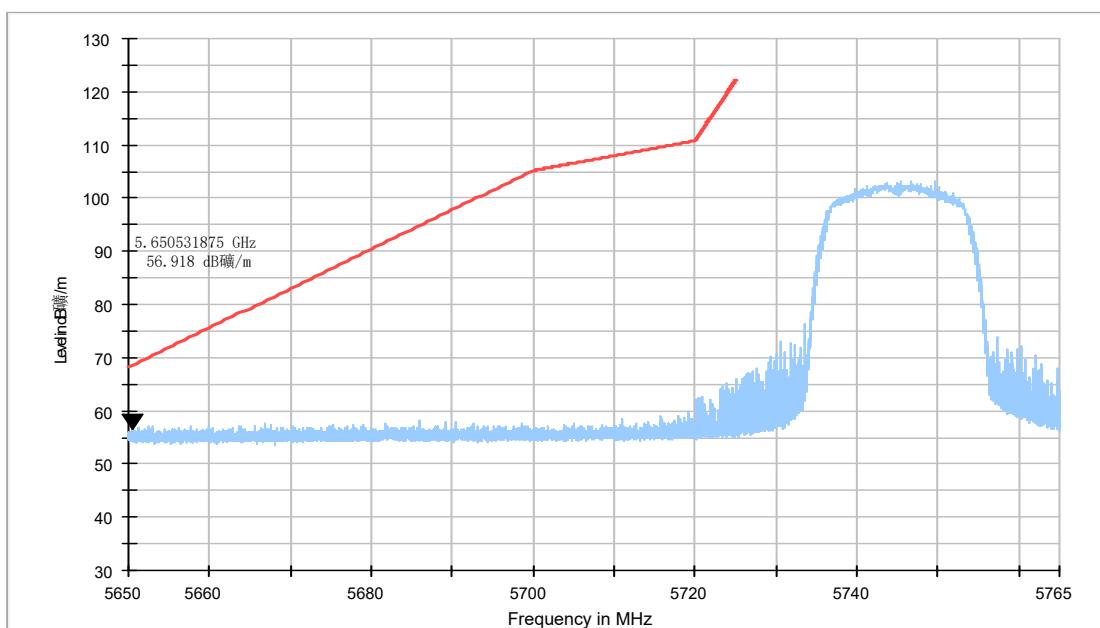


Fig. 12 Band Edges (802.11n-HT20 Ch149, 5745MHz)

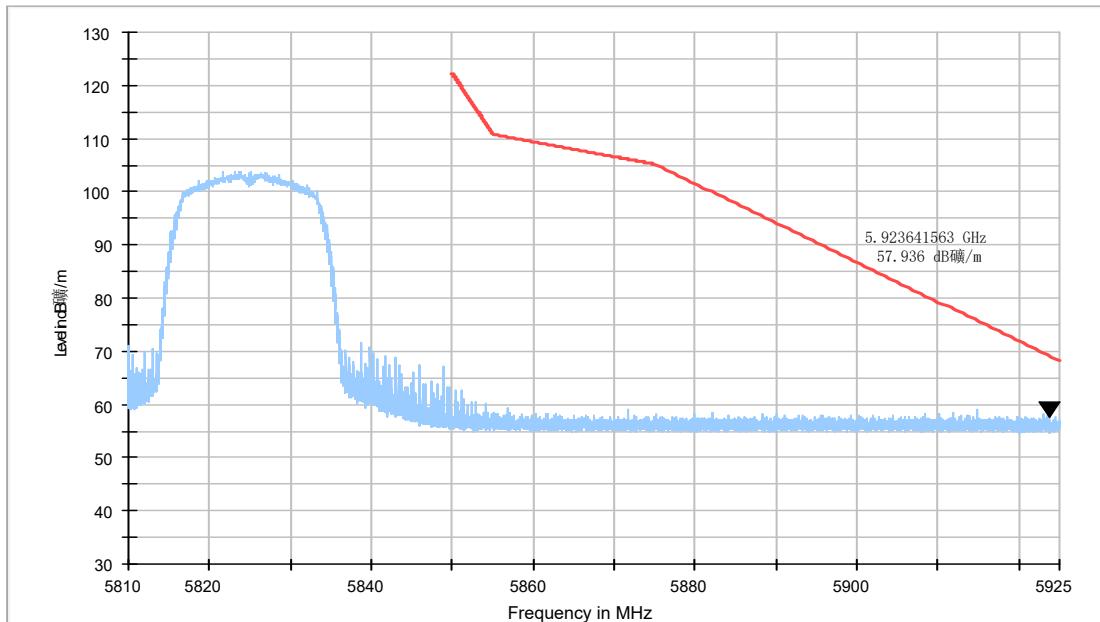


Fig. 13 Band Edges (802.11n-HT20 Ch165, 5825MHz)

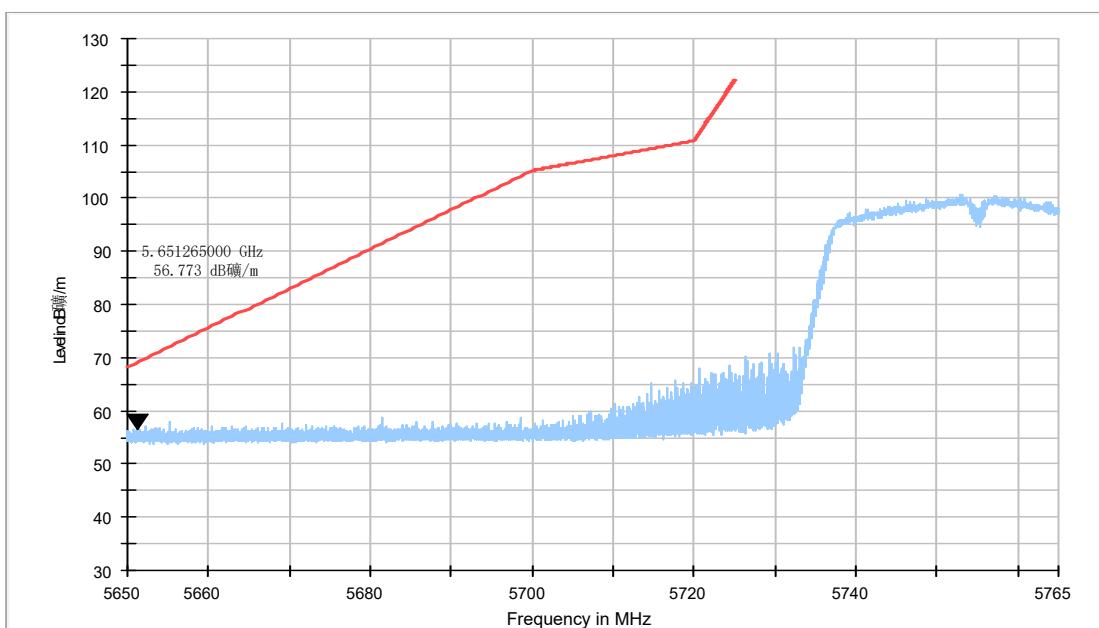


Fig. 14 Band Edges (802.11n-HT40 Ch151, 5755MHz)

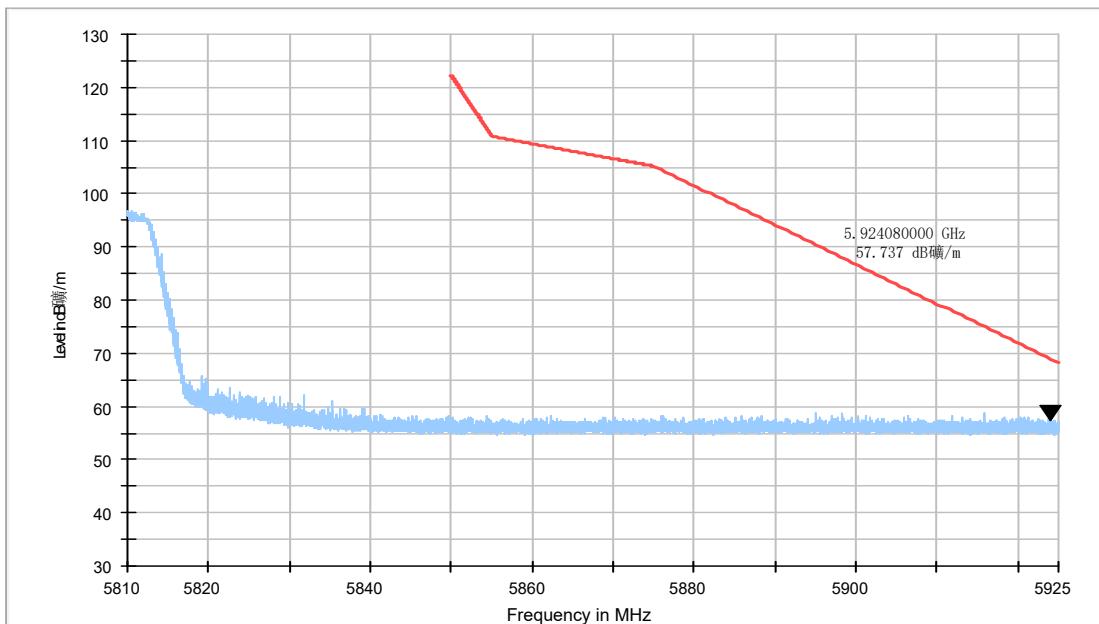


Fig. 15 Band Edges (802.11n-HT40 Ch159, 5795MHz)

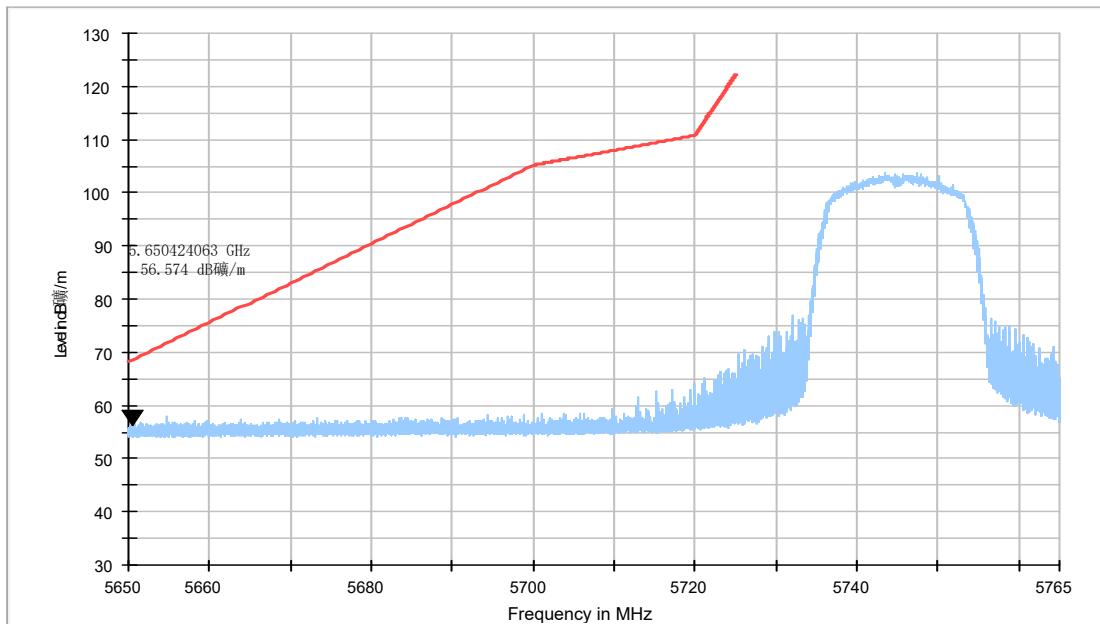


Fig. 16 Band Edges (802.11ac-HT20 Ch149, 5745MHz)

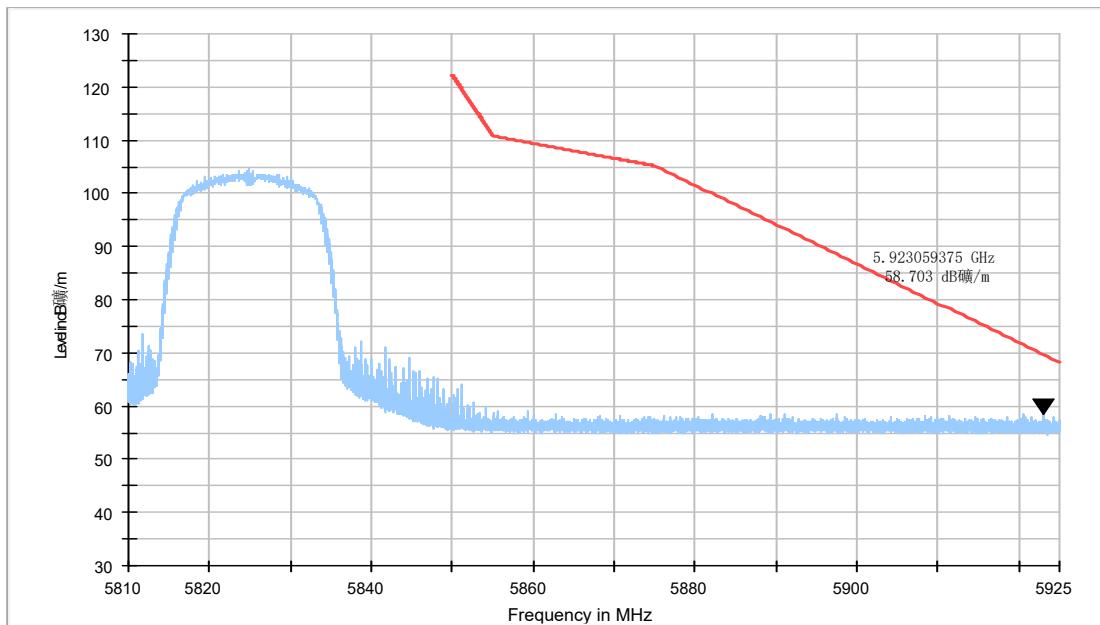


Fig. 17 Band Edges (802.11ac-HT20 Ch165, 5825MHz)

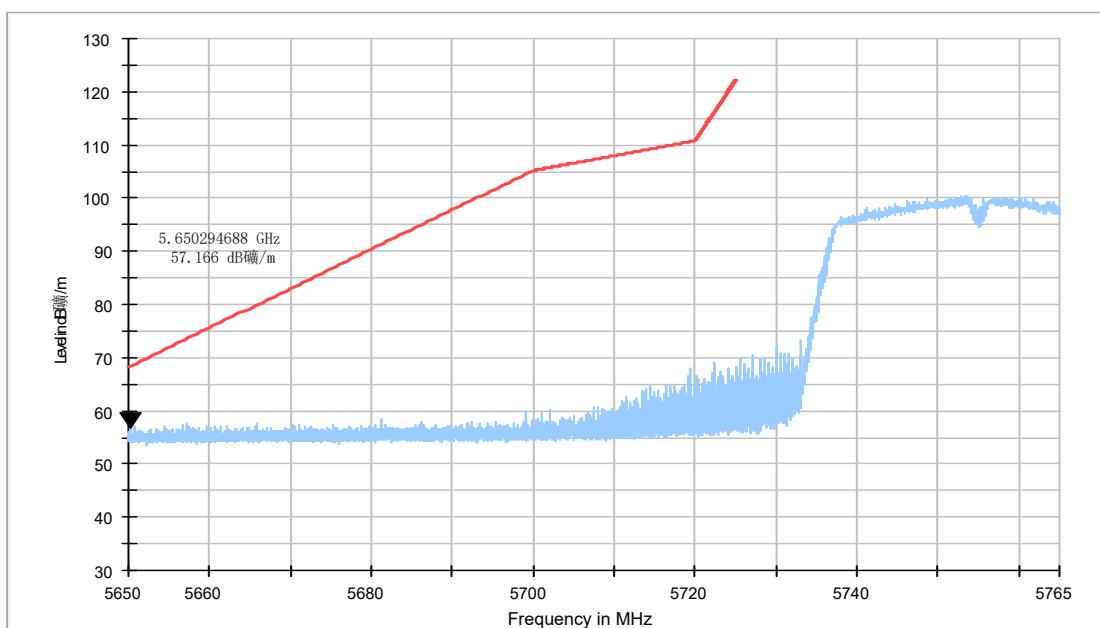


Fig. 18 Band Edges (802.11ac-HT40 Ch151, 5755MHz)

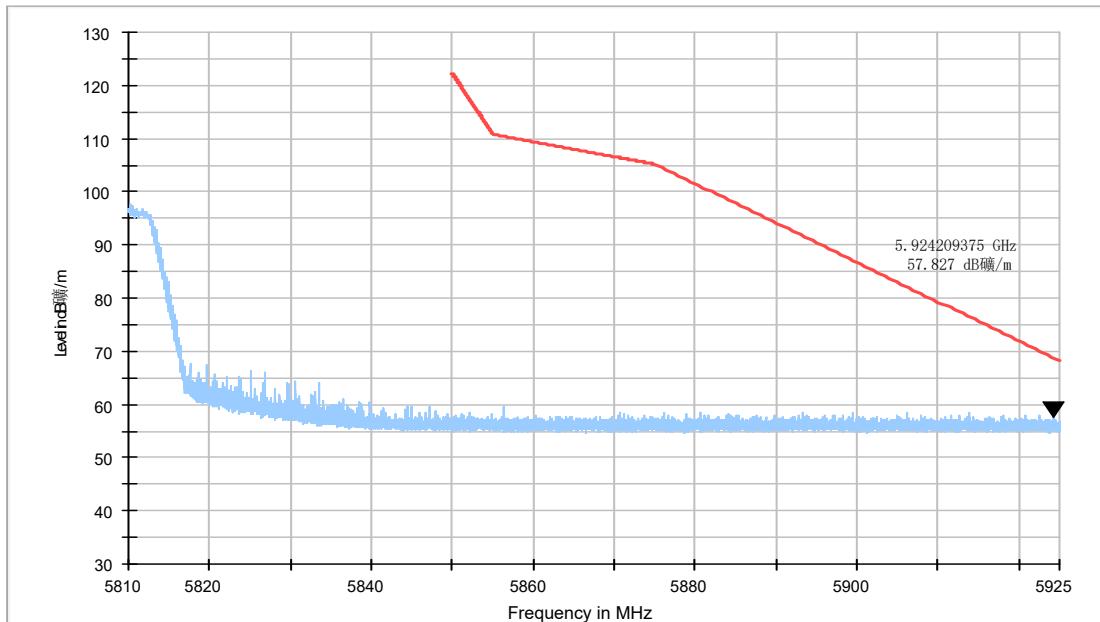


Fig. 19 Band Edges (802.11ac-HT40 Ch159, 5795MHz)

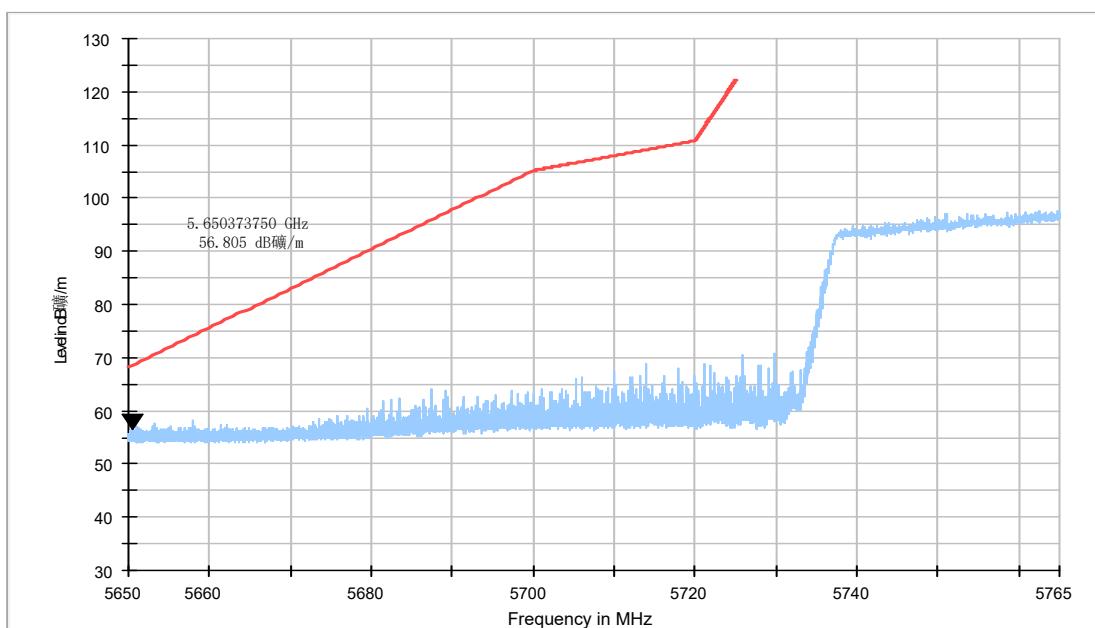


Fig. 20 Band Edges (802.11ac-HT80 Ch155, 5775MHz)

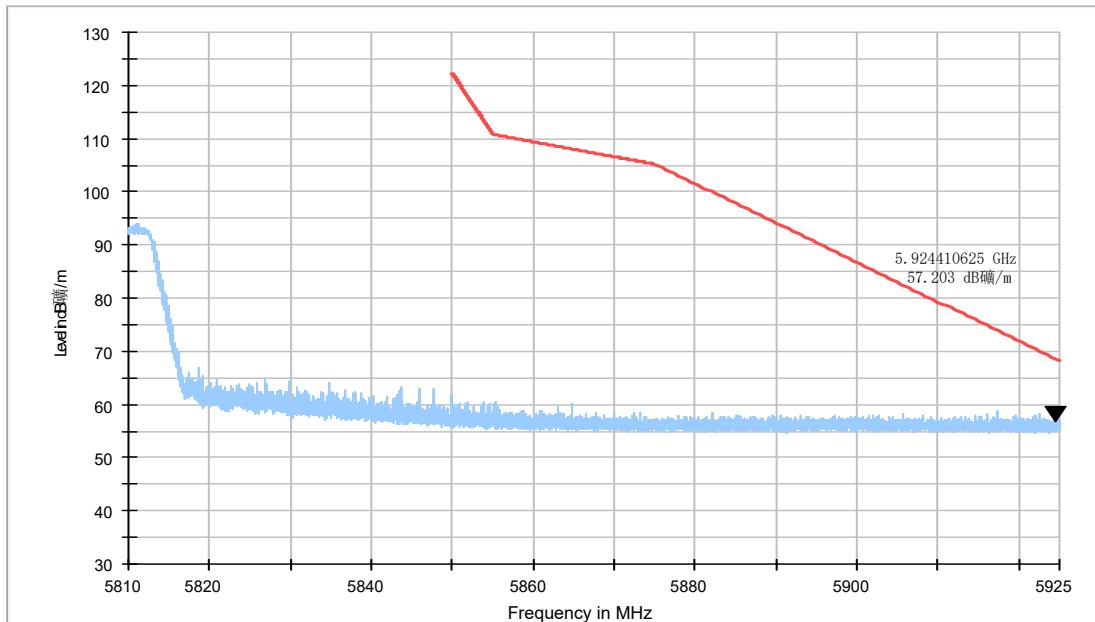


Fig. 21 Band Edges (802.11ac-HT80 Ch155, 5775MHz)

A.7. AC Powerline Conducted Emission

Method of Measurement:

See Clause 6.2 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver:

Quasi-Peak / Average Detector.

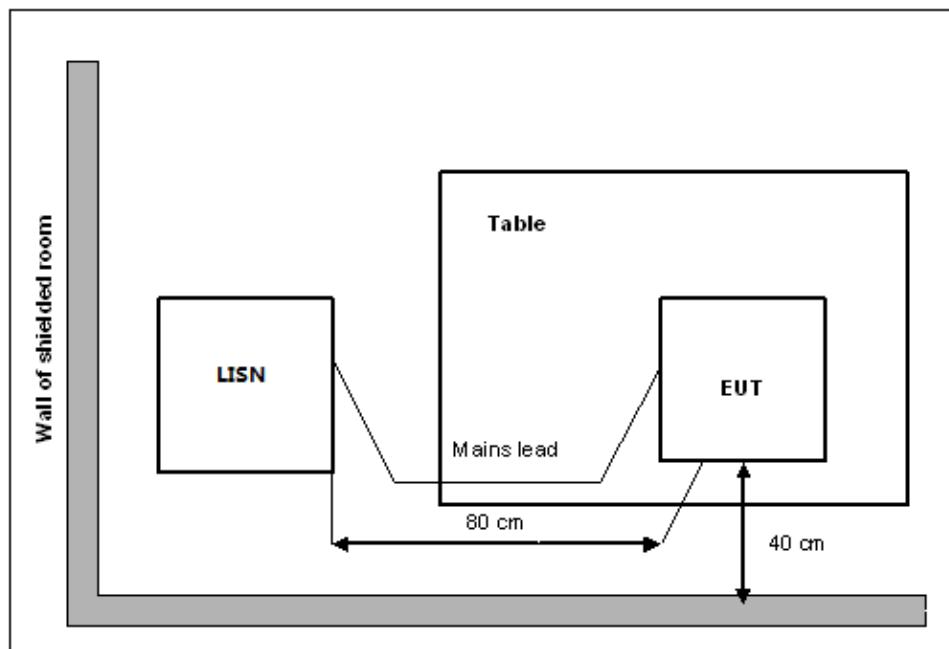
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/IF bandwidth
0.15-30	9kHz

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



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.A7.1	Fig.A7.2	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)

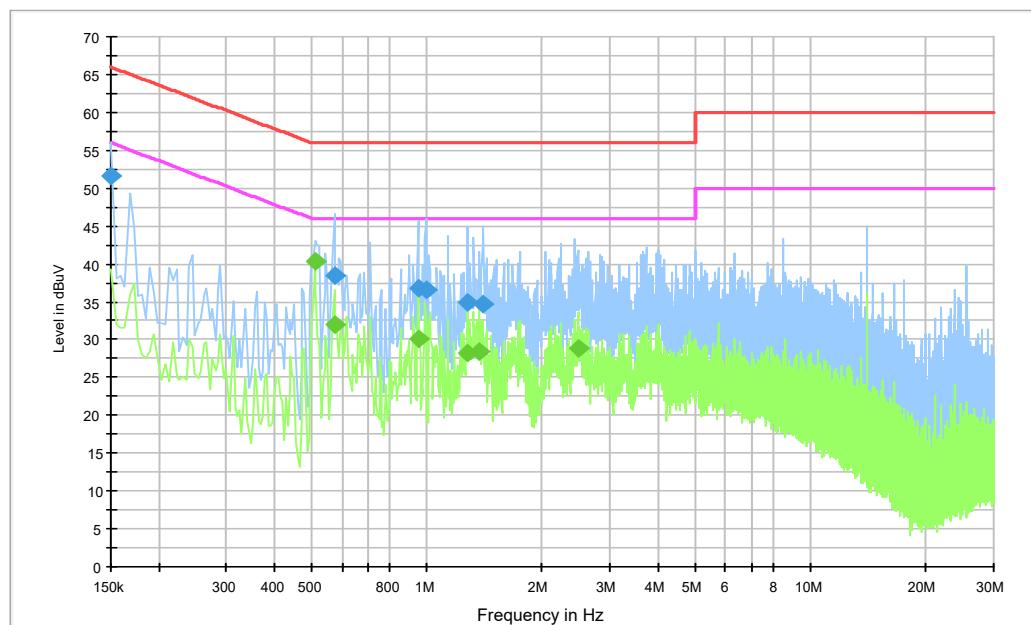
Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion	
		With charger			
		802.11a	Idle		
0.15 to 0.5	56 to 46	Fig.A7.1	Fig.A7.2	P	
0.5 to 5	46				
5 to 30	50				

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:

Note: The measurement results showed here are worst cases.

Traffic:

Fig.A7.1 AC Power line Conducted Emission-802.11a

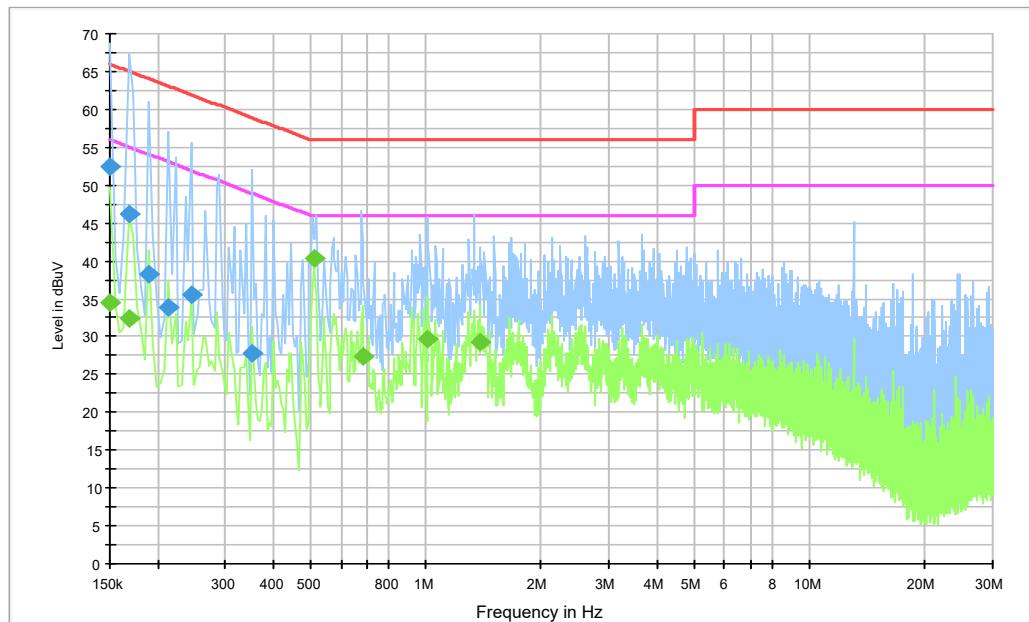
Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.150000	51.6	1000	9.000	On	N	28.6	14.4	66.0
0.573000	38.4	1000	9.000	On	L1	19.8	17.6	56.0
0.946500	36.7	1000	9.000	On	L1	19.7	19.3	56.0
0.996000	36.5	1000	9.000	On	L1	19.6	19.5	56.0
1.275000	34.9	1000	9.000	On	L1	19.6	21.1	56.0
1.405500	34.8	1000	9.000	On	L1	19.6	21.2	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.510000	40.4	1000	9.000	On	L1	19.8	5.6	46.0
0.573000	32.0	1000	9.000	On	L1	19.8	14.0	46.0
0.946500	30.2	1000	9.000	On	L1	19.7	15.8	46.0
1.275000	28.2	1000	9.000	On	L1	19.6	17.8	46.0
1.369500	28.5	1000	9.000	On	L1	19.6	17.5	46.0
2.472000	28.8	1000	9.000	On	L1	19.6	17.2	46.0

Idle:

Fig.A7.2 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 (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.150000	52.5	1000	9.000	On	N	28.6	13.5	66.0
0.168000	46.1	1000	9.000	On	L1	25.1	19.0	65.1
0.190500	38.2	1000	9.000	On	L1	21.2	25.8	64.0
0.213000	33.8	1000	9.000	On	L1	19.7	29.3	63.1
0.244500	35.6	1000	9.000	On	N	19.7	26.4	61.9
0.352500	27.8	1000	9.000	On	L1	19.7	31.1	58.9

Final Result 2

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.150000	34.5	1000.0	9.000	On	L1	28.6	21.5	56.0
0.168000	32.4	1000.0	9.000	On	L1	25.1	22.6	55.1
0.510000	40.4	1000.0	9.000	On	L1	19.8	5.6	46.0
0.685500	27.4	1000.0	9.000	On	N	19.7	18.6	46.0
1.014000	29.7	1000.0	9.000	On	N	19.6	16.3	46.0
1.387500	29.3	1000.0	9.000	On	L1	19.6	16.7	46.0

ANNEX B: EUT parameters

Disclaimer: The antenna gain and 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 *****