FCC PART 15C
TEST REPORT
No.I23Z60483-IOT05

for

OnePlus Technology (Shenzhen) Co., Ltd.

Mobile Phone

Model Name: CPH2551

FCC ID: 2ABZ2-AA541

with

Hardware Version: 11

Software Version: OxygenOS 13.2

Issued Date: 2023-07-19

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:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I23Z60483-IOT05	Rev.0	1st edition	2023-07-05
I23Z60483-IOT05	Rev.1	Update statement about antenna gain and testing strategy on page 9 to 10; Update ant1/2 and ant7/10 relationship.	2023-07-19

CONTENTS

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(huayuan North Road)

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

1.3. TestingEnvironment

Normal Temperature: 15-35°C

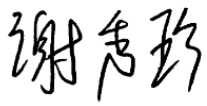
Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2023-03-17

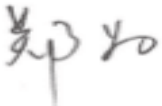
Testing End Date: 2023-07-05

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:	OnePlus Technology (Shenzhen) Co., Ltd.
Address /Post:	18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen
City:	Shenzhen
Postal Code:	/
Country:	China
Telephone:	(86)76986076999
Fax:	/

2.2. Manufacturer Information

Company Name:	OnePlus Technology (Shenzhen) Co., Ltd.
Address /Post:	18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen
City:	Shenzhen
Postal Code:	/
Country:	China
Telephone:	(86)76986076999
Fax:	/

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

3.1. About EUT

Description	Mobile Phone
Model name	CPH2551
FCC ID	2ABZ2-AA541
WLAN Frequency Band	ISM Band: 5725MHz~5850MHz
Type of modulation	OFDM
Voltage	3.91V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
UT35a	868147060030673	11	OxygenOS 13.2
UT16a	354806760200495	11	OxygenOS 13.2

*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	SN
AE1	Battery	/
AE2	Battery	/
AE3	Charger	/
AE4	USB Cable	/

AE1

Model	BLPA01
Manufacturer	Sunwoda Electronic Co., Ltd
Capacity	1470mAh
Nominal Voltage	

AE2

Model	BLPA03
Manufacturer	Sunwoda Electronic Co., Ltd
Capacity	3210mAh
Nominal Voltage	

AE3

Model	VCB8JAUH
Manufacturer	Huizhou Jinhu Industrial Development Co.,Ltd
Length of cable	/

AE4

Model	DL129
Manufacturer	/
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 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	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 662911 D01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band(e.g., MIMO, Smart Antenna, etc)	2013-10

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 - Radiated	15.407, 15.205, 15.209	/	**P**
AC Powerline Conducted Emission	15.107, 15.207	/	**P**

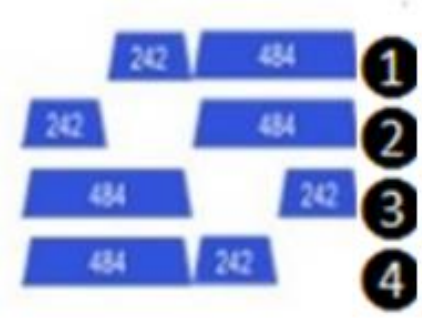
Please refer to **ANNEX A** for detail.

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. For conducted result :

1. EUT support 802.11a/n/ac/ax/be modes on U-NII-3, and can't transmit simultaneously in U-NII-3.
2. As WLAN SISO(1x1) & MIMO(2x2) mode have the same power setting, the whole testing has assessed only MIMO mode.
3. 802.11ax support full RU and single RU modes.
4. 802.11be support full RU, single RU, small MRU, large MRU and puncturing modes.
5. For 802.11a/n/ac/ax full RU/be full RU, the whole testing (PSD/6dB bandwidth) has reported only 802.11a/be-EHT20/40/80MHz by referring to the higher output power.
6. For 802.11ax single RU and 802.11be singlel RU modes, the PSD has reported only 802.11be- EHT20-single RU by referring to the higher output power.
7. For 802.11be-EHT20/40MHz small MRU mode, the PSD has reported only 802.11be-EHT20 by referring to the higher output power.
   52 Tone,index38 + 26Tone,index1, 52 Tone,index39 + 26Tone,index7
   106 Tone,index53 + 26Tone,index4, 106 Tone,index54 + 26Tone,index4.
8. For 802.11be-EHT80MHz large MRU and Puncturing modes are tested for conducted power/PSD.

Bandwidth	Pattern	index
80MHz		484+242-tone Index 1 484+242-tone Index 2 484+242-tone Index 3 484+242-tone Index 4

6.3. Antenna Gain

Mode	Ant7(dBi)	Ant10(dBi)	Power(dBi)	PSD(dBi)
CDD	-1	-1.5	-1	1.76
BF	-1	-1.5	1.76	1.76

1. For BF transmissions, power and PSD directional gain is calculated as:

   Directional gain = 10 log $[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2 /NANT]$ dBi, as following table for PSD. NANT = number of transmit antennas NSS = number of spatial streams. (The worst case directional gain will occur when NSS = 1)

2. For CDD transmissions, directional gain is calculated as:

   a. For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e.,Directional gain = GANT MAX (Ant.1 Gain, Ant.2 Gain, …) + Array Gain, where Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

   b. For PSD, the directional gain calculation is following:

   Directional gain = 10 log $[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2 /NANT]$ dBi. NANT = number of transmit antennas NSS = number of spatial streams. (The worst case directional gain will occur when NSS = 1).

3. 802.11a support CDD mode ;

4. 802.11n support CDD and STBC mode, as they use the same power setting, only eirp results of CDD have been reported.

5. 802.11ac/ax/be support CDD, BF and STBC mode, as they use the same power setting, only eirp results of BF have been reported.

6. The device what use a permanently attached antenna were considered sufficient to comply withthe provisions of 15.203.

6.4. 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.

6.5. 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	3.91V
Humidity	44%

7. TEST EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2024-03-06
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	ESW44	103144	Rohde & Schwarz	1 year	2023-10-25
2	Dual-Ridge Waveguide Horn Antenna	VULB 9163	01223	Schwarzbeck	1 year	2023-07-25
3	Dual-Ridge Waveguide Horn Antenna	3115	00167250	ETS-Lindgren	1 year	2023-06-20
4	Dual-Ridge Waveguide Horn Antenna	3116	2661	ETS-Lindgren	1 year	2024-01-30

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	/
30MHz ≤ f ≤ 1GHz	4.92
1GHz ≤ f ≤18GHz	5.15
18GHz ≤ f ≤40GHz	5.54

8.6. AC Power-line Conducted Emission

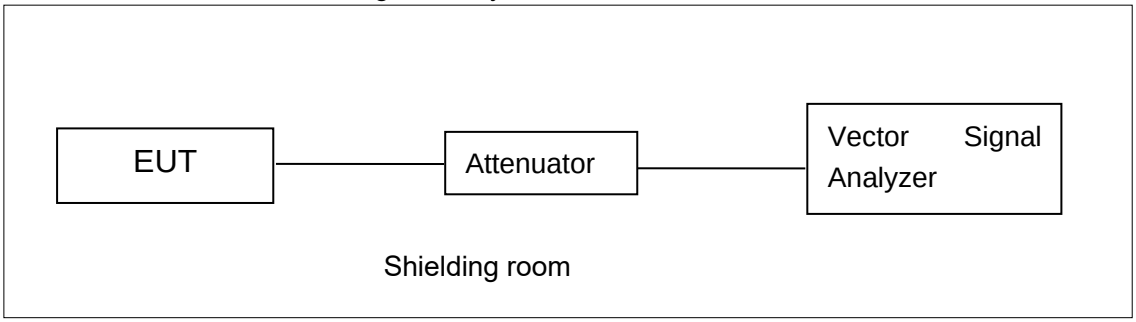
Measurement Uncertainty: 3.08dB, k=2

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

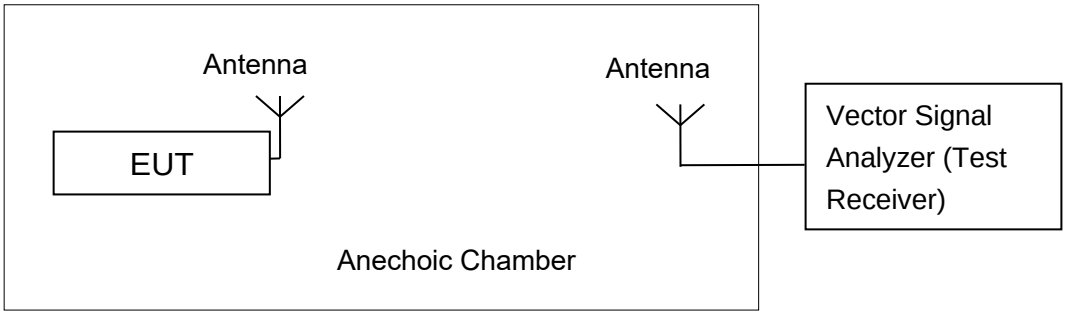
A.1.1. Conducted Measurements

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

Antenna7 gain is -1dBi and the antenna10 gain is -1.5dBi, the value is supplied by the applicant or manufacturer.

A.2.2. Maximum Average Output Power-Conducted

Measurement Results:

MIMO

Mode	Data Rate (Index)	Conducted power + antenna gain（EIRP）								
		5745MHz(Ch149)			5785MHz(Ch157)			5825MHz(Ch165)		
		Ant7	Ant70	MIMO	Ant7	Ant70	MIMO	Ant7	Ant70	MIMO
802.11a	6Mbps	16.70	16.76	19.74	16.42	16.80	19.62	16.30	16.48	19.40
802.11n-HT20	MCS0	16.82	16.83	19.84	16.42	16.82	19.63	16.10	16.53	19.33
802.11ac-VHT20	MCS0	16.70	16.81	19.77	16.41	16.77	19.60	16.01	16.51	19.28
802.11ax-HE20	MCS0	16.73	16.94	19.85	16.41	16.81	19.62	16.21	16.55	19.39
802.11be-EHT20	MCS0	16.80	16.94	19.88	16.56	16.91	19.75	16.28	16.49	19.40

Mode	Data Rate (Index)	Conducted power + antenna gain（EIRP）					
		5755MHz(Ch151)			5795MHz(Ch159)		
		Ant7	Ant70	MIMO	Ant7	Ant70	MIMO
802.11n-HT40	MCS0	16.73	16.88	19.82	16.47	16.54	19.52
802.11ac-VHT40	MCS0	16.75	16.83	19.80	16.46	16.52	19.50
802.11ax-HE40	MCS0	16.66	16.85	19.77	16.47	16.48	19.49
802.11be-EHT40	MCS0	16.49	16.62	19.57	16.28	16.31	19.31

Mode	Data Rate (Index)	Conducted power + antenna gain（EIRP）		
		5755MHz(Ch155)		
		Ant7	Ant70	MIMO
802.11ac-VHT80	MCS0	16.17	16.40	19.30
802.11ax-HE80	MCS0	16.35	16.63	19.50
802.11be-EHT80	MCS0	8.02	8.36	11.20

RU mode：

Mode	RU index	Conducted power + antenna gain（EIRP）								
		5745MHz(Ch149)			5785MHz(Ch157)			5825MHz(Ch165)		
		Ant7	Ant70	MIMO	Ant7	Ant70	MIMO	Ant7	Ant70	MIMO
802.11ax-HE20	RU26 left	8.28	9.98	12.22	8.29	9.93	12.20	8.64	9.78	12.26
	RU26 right	8.61	8.71	11.67	8.72	8.64	11.69	8.91	8.48	11.71
	RU52 left	11.03	13.00	15.14	11.15	12.96	15.16	11.09	12.70	14.98
	RU52 right	11.50	11.54	14.53	11.34	11.53	14.45	11.88	11.70	14.80
	RU106 left	14.44	15.68	18.11	14.09	15.90	18.10	14.02	15.68	17.94
	RU106 right	14.44	14.16	17.31	14.28	14.16	17.23	14.65	14.58	17.63
802.11be-EHT20	RU26 left	8.10	9.85	12.07	8.07	9.78	12.02	8.16	9.41	11.84
	RU26 right	8.59	9.00	11.81	8.69	8.91	11.81	8.80	8.87	11.85
	RU52 left	10.87	12.97	15.06	10.78	12.98	15.03	11.00	12.94	15.09
	RU52 right	11.22	11.84	14.55	11.38	11.81	14.61	11.90	12.03	14.98
	RU106 left	14.09	15.74	18.00	14.00	15.82	18.01	14.01	15.87	18.05
	RU106 right	14.36	14.40	17.39	14.21	14.39	17.31	14.60	14.69	17.66
	52 Tone,index38 + 26Tone,index1	8.09	9.82	12.05	7.58	9.91	11.91	7.27	9.65	11.63
	52 Tone,index39 + 26Tone,index7	8.86	8.67	11.78	8.65	8.81	11.74	8.37	8.61	11.50
	106 Tone,index53 + 26Tone,index4	8.19	9.81	12.09	7.77	9.86	11.95	7.50	9.68	11.74
	106 Tone,index54 + 26Tone,index4	8.69	8.68	11.70	8.44	8.66	11.56	8.16	8.51	11.35

Mode	RU index	configure	Conducted power + antenna gain（EIRP）		
			5745MHz(Ch149)		
			Ant7	Ant70	MIMO
802.11ax -HE80	484+242 Tone	1	16.21	17.14	19.71
		2	16.10	17.12	19.65
		3	16.14	17.12	19.67
		4	16.13	17.15	19.68

Note:E.I.R.P value= Conducted values (with conducted samples) + Antenna Gain.
The data rate 6Mbps (11a mode), MCS0 (11n-HT20 mode), MCS0 (11n-HT40 mode), MCS0 (11ac-VHT20 mode), MCS0 (11ac-VHT40 mode), MCS0 (11ac-VHT80 mode) , MCS0 (11ax-HE20 mode), MCS0 (11ax-HE40 mode), MCS0 (11ax-HE80 mode),MCS0 (11be-EHT20 mode), MCS0 (11be-EHT40 mode), MCS0 (11be-EHT80 mode)are selected as the worst condition; as the maximum power is got with these data rate. The following cases are performed with this condition.

Duty Cycle

Mode	802.11a	802.11n20	802.11n40	802.11ac20	802.11ac40	802.11ac80
Duty Cycle	99%	99%	99%	99%	99%	99%

802.11ax20	802.11ax40	802.11ax80	802.11be20	802.11be40	802.11be80
90%	90%	90%	90%	90%	90%

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:

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant7	5745	2.55	≤30.00	PASS
	Ant10	5745	2.39	≤30.00	PASS
	total	5745	5.48	≤30.00	PASS
	Ant7	5785	2.57	≤30.00	PASS
	Ant10	5785	2.35	≤30.00	PASS
	total	5785	5.47	≤30.00	PASS
	Ant7	5825	2.72	≤30.00	PASS
	Ant10	5825	1.98	≤30.00	PASS
	total	5825	5.38	≤30.00	PASS
11BE20MIMO	Ant7	5745	0.48	≤30.00	PASS
	Ant10	5745	1.39	≤30.00	PASS
	total	5745	3.97	≤30.00	PASS
	Ant7	5785	0.27	≤30.00	PASS
	Ant10	5785	1.35	≤30.00	PASS
	total	5785	3.85	≤30.00	PASS
	Ant7	5825	0.91	≤30.00	PASS
	Ant10	5825	1.04	≤30.00	PASS
	total	5825	3.99	≤30.00	PASS
11BE40MIMO	Ant7	5755	-2.44	≤30.00	PASS
	Ant10	5755	-1.61	≤30.00	PASS
	total	5755	1.01	≤30.00	PASS
	Ant7	5795	-2.50	≤30.00	PASS
	Ant10	5795	-1.96	≤30.00	PASS
	total	5795	0.79	≤30.00	PASS
11BE80MIMO	Ant7	5775	-14.2	≤30.00	PASS
	Ant10	5775	-13.56	≤30.00	PASS
	total	5775	-10.86	≤30.00	PASS

RU mode

Test Mode	Antenna	Fre [MHz]	Ru Size	Ru Index	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11BE20 MIMO	Ant7	5745	26Tone	RU0	2.25	≤30.00	PASS
				RU8	2.42	≤30.00	PASS
			52Tone	RU37	2.35	≤30.00	PASS
				RU40	1.64	≤30.00	PASS
			106Tone	RU53	2.91	≤30.00	PASS
				RU54	2.26	≤30.00	PASS
	Ant10	5745	26Tone	RU0	3.16	≤30.00	PASS
				RU8	3.27	≤30.00	PASS
			52Tone	RU37	2.99	≤30.00	PASS
				RU40	2.13	≤30.00	PASS
			106Tone	RU53	3.51	≤30.00	PASS
				RU54	2.57	≤30.00	PASS
	total	5745	26Tone	RU0	3.78	≤30.00	PASS
				RU8	3.82	≤30.00	PASS
			52Tone	RU37	3.52	≤30.00	PASS
				RU40	4.90	≤30.00	PASS
			106Tone	RU53	6.23	≤30.00	PASS
				RU54	5.43	≤30.00	PASS
	Ant7	5785	26Tone	RU0	1.57	≤30.00	PASS
				RU8	2.3	≤30.00	PASS
			52Tone	RU37	1.54	≤30.00	PASS
				RU40	1.66	≤30.00	PASS
			106Tone	RU53	1.59	≤30.00	PASS
				RU54	1.57	≤30.00	PASS
	Ant10	5785	26Tone	RU0	2.99	≤30.00	PASS
				RU8	3.15	≤30.00	PASS
			52Tone	RU37	2.8	≤30.00	PASS
				RU40	1.96	≤30.00	PASS
			106Tone	RU53	3.53	≤30.00	PASS
				RU54	2.26	≤30.00	PASS
	total	5785	26Tone	RU0	3.51	≤30.00	PASS
				RU8	3.77	≤30.00	PASS
			52Tone	RU37	3.36	≤30.00	PASS
				RU40	4.82	≤30.00	PASS
			106Tone	RU53	5.68	≤30.00	PASS
				RU54	4.94	≤30.00	PASS
	Ant7	5825	26Tone	RU0	0.52	≤30.00	PASS
				RU8	2.24	≤30.00	PASS
			52Tone	RU37	1.23	≤30.00	PASS

				RU40	1.9	≤30.00	PASS
			106Tone	RU53	2.22	≤30.00	PASS
				RU54	2.06	≤30.00	PASS
	Ant10	5825	26Tone	RU0	2.51	≤30.00	PASS
				RU8	2.62	≤30.00	PASS
			52Tone	RU37	3.31	≤30.00	PASS
				RU40	2.04	≤30.00	PASS
			106Tone	RU53	3.61	≤30.00	PASS
				RU54	2.47	≤30.00	PASS
	total	5825	26Tone	RU0	3.01	≤30.00	PASS
				RU8	3.22	≤30.00	PASS
			52Tone	RU37	5.40	≤30.00	PASS
				RU40	4.98	≤30.00	PASS
			106Tone	RU53	5.98	≤30.00	PASS
				RU54	5.28	≤30.00	PASS
Test Mode	**Antenna**	**Fre [MHz]**	**MRU**	**configure**	**Result [dBm/MHz]**	**Limit [dBm/MHz]**	**Verdict**
11BE20 MIMO	Ant7	5745	106 Tone,index53 + 26Tone,index4		-4.14	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4		-3.64	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1		-2.38	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7		-2.22	≤30.00	PASS
	Ant10	5745	106 Tone,index53 + 26Tone,index4		-4.04	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4		-3.59	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1		-0.96	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7		-1.35	≤30.00	PASS
	total	5745	106 Tone,index53 + 26Tone,index4		-1.02	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4		-1.03	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1		1.33	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7		1.85	≤30.00	PASS
	Ant7	5785	106 Tone,index53 + 26Tone,index4		-5.03	≤30.00	PASS

			106 Tone,index54 + 26Tone,index4	-4.9	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1	-3.41	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7	-2.53	≤30.00	PASS
	Ant10	5785	106 Tone,index53 + 26Tone,index4	-4.26	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4	-3.57	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1	-1.65	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7	-1.53	≤30.00	PASS
	total	5785	106 Tone,index53 + 26Tone,index4	-1.83	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4	-0.78	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1	0.54	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7	1.40	≤30.00	PASS
	Ant7	5825	106 Tone,index53 + 26Tone,index4	-5.59	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4	-5.39	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1	-4	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7	-2.8	≤30.00	PASS
	Ant10	5825	106 Tone,index53 + 26Tone,index4	-3.72	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4	-3.82	≤30.00	PASS
			52 Tone,index38 + 26Tone,index1	-1.64	≤30.00	PASS
			52 Tone,index39 + 26Tone,index7	-1.74	≤30.00	PASS
	total	5825	106 Tone,index53 + 26Tone,index4	-2.06	≤30.00	PASS
			106 Tone,index54 + 26Tone,index4	-0.74	≤30.00	PASS
			52 Tone,index38 +	-0.03	≤30.00	PASS

			26Tone,index1				
			52 Tone,index39 + 26Tone,index7		1.50	≤30.00	PASS
11BE80 MIMO	Ant7	5775	484+242	1	-4.2	≤30.00	PASS
				2	-3.98	≤30.00	PASS
				3	-4.09	≤30.00	PASS
				4	-3.93	≤30.00	PASS
	Ant10	5775	484+242	1	-3.57	≤30.00	PASS
				2	-3.24	≤30.00	PASS
				3	-3.46	≤30.00	PASS
				4	-3.47	≤30.00	PASS
	total	5775	484+242	1	-1.70	≤30.00	PASS
				2	-1.38	≤30.00	PASS
				3	-1.54	≤30.00	PASS
				4	-1.50	≤30.00	PASS

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:

Test Result

Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
	Ant2	5745	16.36	5736.80	5753.16	0.5	PASS
	Ant1	5785	16.40	5776.72	5793.12	0.5	PASS
	Ant2	5785	16.36	5776.80	5793.16	0.5	PASS
	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
	Ant2	5825	16.36	5816.80	5833.16	0.5	PASS
11BE20 MIMO	Ant1	5745	19.00	5735.48	5754.48	0.5	PASS
	Ant2	5745	18.96	5735.48	5754.44	0.5	PASS
	Ant1	5785	19.04	5775.44	5794.48	0.5	PASS
	Ant2	5785	19.00	5775.48	5794.48	0.5	PASS
	Ant1	5825	18.96	5815.52	5834.48	0.5	PASS
	Ant2	5825	19.08	5815.44	5834.52	0.5	PASS
11BE40	Ant1	5755	38.24	5735.88	5774.12	0.5	PASS

MIMO	Ant2	5755	38.32	5735.80	5774.12	0.5	PASS
	Ant1	5795	38.24	5775.88	5814.12	0.5	PASS
	Ant2	5795	38.32	5775.80	5814.12	0.5	PASS
11BE80	Ant1	5775	77.76	5735.80	5813.56	0.5	PASS
MIMO	Ant2	5775	78.24	5735.80	5814.04	0.5	PASS

Note: Ant1 of the result table and result graph corresponds to ant7 of the EUT, ant2 of the result table and result graph corresponds to ant10 of the EUT.

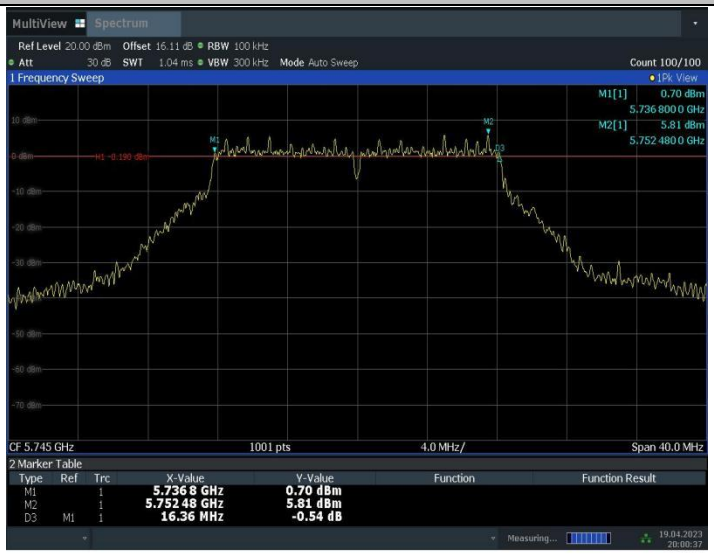
Conclusion: PASS

Test graphs as below:

11A-CDD_Ant1_5745

19:59:49 19.04.2023

11A-CDD_Ant2_5745

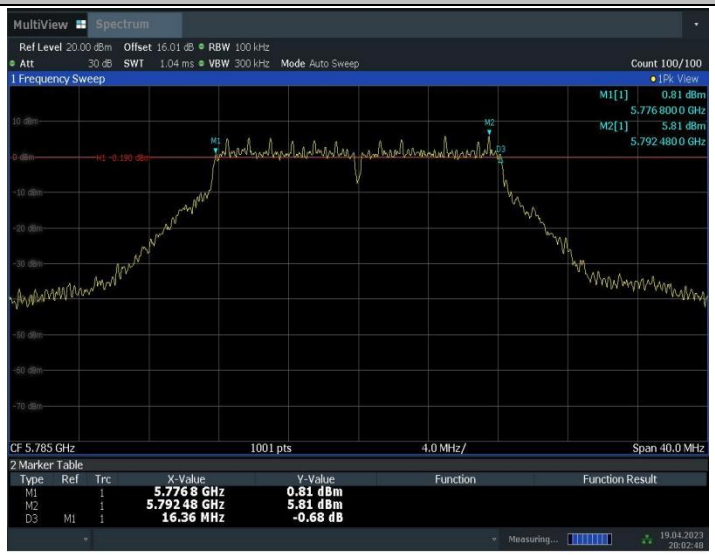


20:00:37 19.04.2023

11A-CDD_Ant1_5785

20:02:01 19.04.2023

11A-CDD_Ant2_5785



20:02:48 19.04.2023

11A-CDD_Ant1_5825

20:03:49 19.04.2023

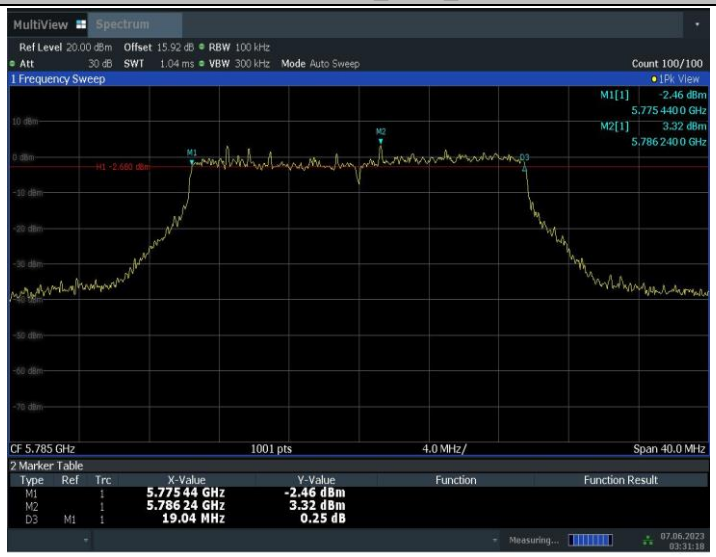
11A-CDD_Ant2_5825

11BE20MIMO_Ant1_5745

11BE20MIMO_Ant2_5745

03:30:03 07.06.2023

11BE20MIMO_Ant1_5785



03:31:19 07.06.2023

11BE20MIMO_Ant2_5785

03:32:12 07.06.2023

11BE20MIMO_Ant1_5825
 03:33:28 07.06.2023
11BE20MIMO_Ant2_5825
 03:34:18 07.06.2023
11BE40MIMO_Ant1_5755

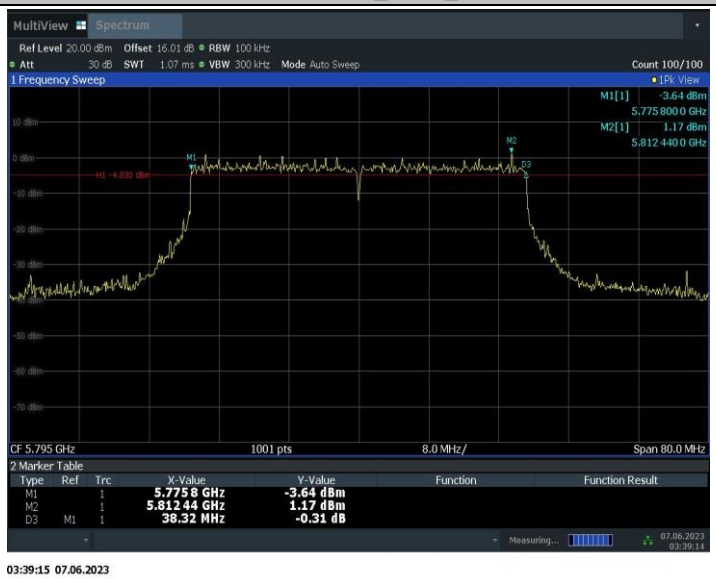
03:36:09 07.06.2023

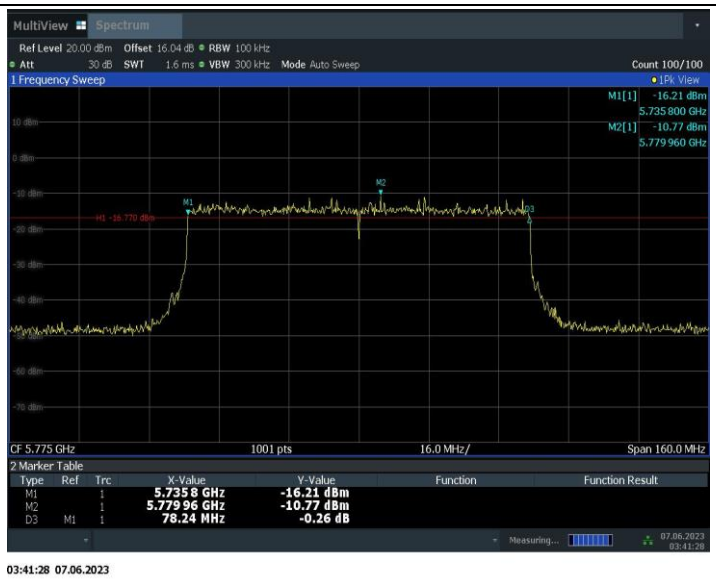
11BE40MIMO_Ant2_5755

03:36:59 07.06.2023

11BE40MIMO_Ant1_5795

03:38:21 07.06.2023

11BE40MIMO_Ant2_5795
 03:39:15 07.06.2023
11BE80MIMO_Ant1_5775
 03:40:37 07.06.2023
11BE80MIMO_Ant2_5775



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

Measurement Results:

802.11a mode

Mode	Channel	Test Results	Conclusion
802.11a	149	---	P
	157	---	P
	165	---	P

802.11n-HT20 mode

Mode	Channel	Test Results	Conclusion
802.11n (HT20)	149	---	P
	157	---	P
	165	---	P

802.11n-HT40 mode

Mode	Channel	Test Results	Conclusion
802.11n (HT40)	151	---	P
	159	---	P

802.11ac-VHT20 mode

Mode	Channel	Test Results	Conclusion
802.11ac (VHT20)	149	---	P
	157	---	P
	165	---	P

802.11ac-VHT40 mode

Mode	Channel	Test Results	Conclusion
802.11ac (VHT40)	151	---	P
	159	---	P

802.11ac-VHT80 mode

Mode	Channel	Test Results	Conclusion
802.11ac (VHT80)	155	---	P

802.11ax-HT20 mode-full RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT20)	149	---	P
	157	---	P
	165	---	P

802.11ax-HT40 mode-full RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT40)	151	---	P
	159	---	P

802.11ax-HT80 mode-full RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT80)	155	---	P

802.11be-HT20 mode-full RU

Mode	Channel	Test Results	Conclusion
802.11be (HT20)	149	---	P
	157	---	P
	165	---	P

802.11be-HT40 mode-full RU

Mode	Channel	Test Results	Conclusion
802.11be (HT40)	151	---	P
	159	---	P

802.11be-HT80 mode-full RU

Mode	Channel	Test Results	Conclusion
802.11be (HT80)	155	---	P

802.11ax-HT20 mode-partial RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT20)	149	---	P
	157	---	P
	165	---	P

802.11ax-HT40 mode-partial RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT40)	151	---	P
	159	---	P

802.11ax-HT80 mode-partial RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT80)	155	---	P

802.11be-HT20 mode-partial RU

Mode	Channel	Test Results	Conclusion
802.11be (HT20)	149	---	P
	157	---	P
	165	---	P

802.11be-HT40 mode-partial RU

Mode	Channel	Test Results	Conclusion
802.11be (HT40)	151	---	P
	159	---	P

802.11be-HT80 mode-partial RU

Mode	Channel	Test Results	Conclusion
802.11be (HT80)	155	---	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)
17960.950	36.27	-29.59	45.95	19.91	54.00	17.73	V
17965.350	36.17	-29.59	45.95	19.81	54.00	17.83	H
13278.250	33.49	-31.40	40.60	24.29	54.00	20.51	H
13302.450	33.43	-31.40	40.60	24.23	54.00	20.57	V
11846.050	32.38	-32.73	39.15	25.96	54.00	21.62	V
11892.250	32.16	-32.53	39.10	25.59	54.00	21.84	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)
17962.600	36.65	-29.59	45.95	20.29	54.00	17.35	H
17958.200	36.46	-29.59	45.95	20.10	54.00	17.54	H
13304.650	34.22	-31.40	40.60	25.02	54.00	19.78	H
13305.200	33.50	-31.40	40.60	24.30	54.00	20.50	H
11875.200	33.30	-32.73	39.15	26.88	54.00	20.70	H
11874.100	32.76	-32.73	39.15	26.34	54.00	21.24	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)
17977.450	36.03	-29.59	45.95	19.67	54.00	17.97	V
17945.000	36.00	-29.59	45.95	19.64	54.00	18.00	V
13303.550	33.40	-31.40	40.60	24.20	54.00	20.60	H
13294.750	33.34	-31.40	40.60	24.14	54.00	20.66	V
11867.500	32.70	-32.73	39.15	26.28	54.00	21.30	V
11857.050	32.37	-32.73	39.15	25.95	54.00	21.63	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)
17986.800	36.31	-29.59	45.95	19.95	54.00	17.69	H
17957.100	36.18	-29.59	45.95	19.82	54.00	17.82	V
13300.800	33.87	-31.40	40.60	24.67	54.00	20.13	V
13304.650	33.21	-31.40	40.60	24.01	54.00	20.79	V
11848.800	32.57	-32.73	39.15	26.15	54.00	21.43	H
11868.050	32.49	-32.73	39.15	26.07	54.00	21.51	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)
17961.500	35.85	-29.59	45.95	19.49	54.00	18.15	V
17976.900	35.85	-29.59	45.95	19.49	54.00	18.15	V
13324.450	33.36	-31.19	40.65	23.90	54.00	20.64	H
13303.550	33.12	-31.40	40.60	23.92	54.00	20.88	V
11864.750	32.16	-32.73	39.15	25.74	54.00	21.84	H
11870.800	32.14	-32.73	39.15	25.72	54.00	21.86	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)
17952.700	36.26	-29.59	45.95	19.90	54.00	17.74	V
17975.250	35.98	-29.59	45.95	19.62	54.00	18.02	V
13286.500	33.38	-31.40	40.60	24.18	54.00	20.62	V
13298.050	33.25	-31.40	40.60	24.05	54.00	20.75	V
11862.000	32.39	-32.73	39.15	25.97	54.00	21.61	V
11851.550	32.18	-32.73	39.15	25.76	54.00	21.82	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)
17970.850	36.76	-29.59	45.95	20.40	54.00	17.24	V
17972.500	36.75	-29.59	45.95	20.39	54.00	17.25	H
13306.850	34.22	-31.40	40.60	25.02	54.00	19.78	V
13267.800	34.00	-31.40	40.60	24.80	54.00	20.00	V
10750.450	33.23	-32.42	38.45	27.20	54.00	20.77	V
11868.050	33.08	-32.73	39.15	26.66	54.00	20.92	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)
17998.900	36.83	-29.59	45.95	20.47	54.00	17.17	H
17954.350	36.72	-29.59	45.95	20.36	54.00	17.28	H
13312.350	34.02	-31.40	40.60	24.82	54.00	19.98	V
13255.700	33.94	-31.62	40.50	25.06	54.00	20.06	V
11820.750	33.35	-32.09	39.20	26.24	54.00	20.65	V
11853.750	33.32	-32.73	39.15	26.90	54.00	20.68	V

802.11ac-VHT20

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)
17978.550	36.11	-29.59	45.95	19.75	54.00	17.89	V
17942.250	36.07	-29.59	45.95	19.71	54.00	17.93	H
13292.000	33.22	-31.40	40.60	24.02	54.00	20.78	H
13289.800	33.17	-31.40	40.60	23.97	54.00	20.83	V
11860.900	32.15	-32.73	39.15	25.73	54.00	21.85	V
11891.700	32.05	-32.53	39.10	25.48	54.00	21.95	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)
17989.550	36.21	-29.59	45.95	19.85	54.00	17.79	V
17863.600	36.16	-29.59	45.95	19.80	54.00	17.84	V
13278.250	33.43	-31.40	40.60	24.23	54.00	20.57	V
13297.500	33.15	-31.40	40.60	23.95	54.00	20.85	H
11860.900	32.19	-32.73	39.15	25.77	54.00	21.81	V
11862.550	32.11	-32.73	39.15	25.69	54.00	21.89	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)
17962.050	36.52	-29.59	45.95	20.16	54.00	17.48	V
17949.950	36.35	-29.59	45.95	19.99	54.00	17.65	H
13301.350	33.50	-31.40	40.60	24.30	54.00	20.50	V
13296.950	33.49	-31.40	40.60	24.29	54.00	20.51	V
11872.450	32.15	-32.73	39.15	25.73	54.00	21.85	H
11876.300	32.14	-32.73	39.15	25.72	54.00	21.86	H

802.11ac-VHT40

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)
17979.100	37.11	-29.59	45.95	20.75	54.00	16.89	V
17975.800	36.92	-29.59	45.95	20.56	54.00	17.08	V
13297.500	34.05	-31.40	40.60	24.85	54.00	19.95	H
13300.800	33.93	-31.40	40.60	24.73	54.00	20.07	V
11876.300	32.86	-32.73	39.15	26.44	54.00	21.14	V
11862.550	32.81	-32.73	39.15	26.39	54.00	21.19	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)
17968.650	36.88	-29.59	45.95	20.52	54.00	17.12	V
17992.850	36.77	-29.59	45.95	20.41	54.00	17.23	V
13279.900	34.01	-31.40	40.60	24.81	54.00	19.99	V
13296.400	33.99	-31.40	40.60	24.79	54.00	20.01	V
11869.700	33.22	-32.73	39.15	26.80	54.00	20.78	V
11903.250	33.21	-32.53	39.10	26.64	54.00	20.79	H

802.11ac-VHT80

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)
17954.900	36.88	-29.59	45.95	20.52	54.00	17.12	V
17972.500	36.88	-29.59	45.95	20.52	54.00	17.12	V
13263.950	34.19	-31.62	40.50	25.31	54.00	19.81	V
13267.250	34.11	-31.62	40.50	25.23	54.00	19.89	H
11848.800	33.45	-32.73	39.15	27.03	54.00	20.55	V
11784.450	33.20	-32.09	39.20	26.09	54.00	20.80	V

802.11ax-HT20 full RU

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)
17962.600	36.15	-29.59	45.95	19.79	54.00	17.85	H
17970.850	36.14	-29.59	45.95	19.78	54.00	17.86	H
13262.300	33.41	-31.62	40.50	24.53	54.00	20.59	V
13291.450	33.21	-31.40	40.60	24.01	54.00	20.79	V
11860.900	32.22	-32.73	39.15	25.80	54.00	21.78	V
11859.250	32.18	-32.73	39.15	25.76	54.00	21.82	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)
17957.100	36.42	-29.59	45.95	20.06	54.00	17.58	V
17993.400	36.26	-29.59	45.95	19.90	54.00	17.74	H
13320.600	33.72	-31.19	40.65	24.26	54.00	20.28	V
13293.650	33.13	-31.40	40.60	23.93	54.00	20.87	V
11868.050	32.42	-32.73	39.15	26.00	54.00	21.58	V
11875.200	32.42	-32.73	39.15	26.00	54.00	21.58	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)
17962.600	36.04	-29.59	45.95	19.68	54.00	17.96	H
17907.600	35.97	-29.59	45.95	19.61	54.00	18.03	V
13301.900	33.52	-31.40	40.60	24.32	54.00	20.48	H
13300.800	33.44	-31.40	40.60	24.24	54.00	20.56	V
11898.850	32.31	-32.53	39.10	25.74	54.00	21.69	V
11857.050	32.30	-32.73	39.15	25.88	54.00	21.70	V

802.11ax-HT40 full RU

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)
17944.450	36.71	-29.59	45.95	20.35	54.00	17.29	V
17978.000	36.69	-29.59	45.95	20.33	54.00	17.31	V
13280.450	33.92	-31.40	40.60	24.72	54.00	20.08	H
13267.250	33.89	-31.62	40.50	25.01	54.00	20.11	V
11827.900	33.49	-32.09	39.20	26.38	54.00	20.51	V
11863.650	33.25	-32.73	39.15	26.83	54.00	20.75	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)
17932.900	37.24	-29.59	45.95	20.88	54.00	16.76	V
17998.900	36.99	-29.59	45.95	20.63	54.00	17.01	V
13305.200	33.93	-31.40	40.60	24.73	54.00	20.07	V
13260.100	33.83	-31.62	40.50	24.95	54.00	20.17	H
11908.200	33.52	-32.53	39.10	26.95	54.00	20.48	V
11853.750	33.51	-32.73	39.15	27.09	54.00	20.49	V

802.11ax-HT80 full RU

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)
17980.200	37.12	-29.59	45.95	20.76	54.00	16.88	V
17965.350	37.06	-29.59	45.95	20.70	54.00	16.94	V
13301.900	34.43	-31.40	40.60	25.23	54.00	19.57	V
13310.700	34.28	-31.40	40.60	25.08	54.00	19.72	V
11878.500	33.40	-32.73	39.15	26.98	54.00	20.60	V
11862.000	33.35	-32.73	39.15	26.93	54.00	20.65	V

802.11be-HT20 full RU

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)
17997.250	36.79	-29.59	45.95	20.43	54.00	17.21	H
17961.500	36.59	-29.59	45.95	20.23	54.00	17.41	V
13311.800	34.12	-31.40	40.60	24.92	54.00	19.88	V
13274.950	33.90	-31.40	40.60	24.70	54.00	20.10	V
11850.450	33.38	-32.73	39.15	26.96	54.00	20.62	V
11864.750	33.03	-32.73	39.15	26.61	54.00	20.97	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)
17995.600	36.90	-29.59	45.95	20.54	54.00	17.10	V
17993.950	36.78	-29.59	45.95	20.42	54.00	17.22	V
13296.950	33.89	-31.40	40.60	24.69	54.00	20.11	H
13293.650	33.76	-31.40	40.60	24.56	54.00	20.24	H
11847.700	33.20	-32.73	39.15	26.78	54.00	20.80	V
11895.000	33.20	-32.53	39.10	26.63	54.00	20.80	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)
17989.000	36.72	-29.59	45.95	20.36	54.00	17.28	V
17962.600	36.71	-29.59	45.95	20.35	54.00	17.29	H
13296.400	33.84	-31.40	40.60	24.64	54.00	20.16	V
13318.400	33.75	-31.19	40.65	24.29	54.00	20.25	V
11900.500	33.04	-32.53	39.10	26.47	54.00	20.96	V
11868.050	32.94	-32.73	39.15	26.52	54.00	21.06	H

802.11be-HT40 full RU

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)
17979.100	36.74	-29.59	45.95	20.38	54.00	17.26	V
17943.900	36.73	-29.59	45.95	20.37	54.00	17.27	V
13251.300	34.22	-31.62	40.50	25.34	54.00	19.78	V
13296.400	33.94	-31.40	40.60	24.74	54.00	20.06	V
11869.700	33.14	-32.73	39.15	26.72	54.00	20.86	V
11848.800	33.12	-32.73	39.15	26.70	54.00	20.88	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)
17948.850	36.98	-29.59	45.95	20.62	54.00	17.02	V
17989.000	36.75	-29.59	45.95	20.39	54.00	17.25	V
13267.250	34.13	-31.62	40.50	25.25	54.00	19.87	V
13327.200	33.96	-31.19	40.65	24.50	54.00	20.04	V
11852.100	33.07	-32.73	39.15	26.65	54.00	20.93	V
11910.950	33.07	-32.53	39.10	26.50	54.00	20.93	H

802.11be-HT80 full RU

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)
17935.100	37.07	-29.59	45.95	20.71	54.00	16.93	H
17990.100	36.99	-29.59	45.95	20.63	54.00	17.01	H
13308.500	34.20	-31.40	40.60	25.00	54.00	19.80	H
13263.400	34.09	-31.62	40.50	25.21	54.00	19.91	V
11837.250	33.32	-32.73	39.15	26.90	54.00	20.68	V
11871.350	33.31	-32.73	39.15	26.89	54.00	20.69	V

802.11ax-HT20 partial RU

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)
17975.800	37.56	-29.59	45.95	21.20	54.00	16.44	V
17954.350	37.55	-29.59	45.95	21.19	54.00	16.45	V
13316.750	35.20	-31.40	40.60	26.00	54.00	18.80	V
13306.300	35.07	-31.40	40.60	25.87	54.00	18.93	V
11889.500	33.88	-32.53	39.10	27.31	54.00	20.12	V
11843.850	33.77	-32.73	39.15	27.35	54.00	20.23	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)
17991.200	37.72	-29.59	45.95	21.36	54.00	16.28	V
17983.500	37.64	-29.59	45.95	21.28	54.00	16.36	V
13304.650	34.90	-31.40	40.60	25.70	54.00	19.10	V
13301.350	34.83	-31.40	40.60	25.63	54.00	19.17	H
11897.750	33.80	-32.53	39.10	27.23	54.00	20.20	V
11912.600	33.75	-32.53	39.10	27.18	54.00	20.25	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)
17990.100	37.75	-29.59	45.95	21.39	54.00	16.25	V
17961.500	37.56	-29.59	45.95	21.20	54.00	16.44	V
13300.800	34.91	-31.40	40.60	25.71	54.00	19.09	V
13310.700	34.91	-31.40	40.60	25.71	54.00	19.09	V
11902.150	33.94	-32.53	39.10	27.37	54.00	20.06	V
11826.250	33.81	-32.09	39.20	26.70	54.00	20.19	V

802.11ax-HT40 partial RU

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)
17981.300	37.83	-29.59	45.95	21.47	54.00	16.17	V
17946.100	37.51	-29.59	45.95	21.15	54.00	16.49	V
13290.350	34.82	-31.40	40.60	25.62	54.00	19.18	V
13299.150	34.80	-31.40	40.60	25.60	54.00	19.20	V
11869.150	34.19	-32.73	39.15	27.77	54.00	19.81	V
11907.100	33.82	-32.53	39.10	27.25	54.00	20.18	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)
17958.200	37.39	-29.59	45.95	21.03	54.00	16.61	V
17959.850	37.32	-29.59	45.95	20.96	54.00	16.68	V
13309.600	35.24	-31.40	40.60	26.04	54.00	18.76	V
13294.200	35.03	-31.40	40.60	25.83	54.00	18.97	V
11895.000	33.71	-32.53	39.10	27.14	54.00	20.29	V
11831.750	33.69	-32.73	39.15	27.27	54.00	20.31	V

802.11ax-HT80 partial RU

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)
17984.600	38.15	-29.59	45.95	21.79	54.00	15.85	V
17992.300	37.68	-29.59	45.95	21.32	54.00	16.32	V
13301.900	35.13	-31.40	40.60	25.93	54.00	18.87	V
13288.150	34.77	-31.40	40.60	25.57	54.00	19.23	V
11906.550	33.95	-32.53	39.10	27.38	54.00	20.05	V
11910.950	33.91	-32.53	39.10	27.34	54.00	20.09	V

802.11be-HT20 partial RU

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)
17969.750	37.88	-29.59	45.95	21.52	54.00	16.12	V
17956.000	37.67	-29.59	45.95	21.31	54.00	16.33	V
13262.850	34.86	-31.62	40.50	25.98	54.00	19.14	V
13317.300	34.82	-31.19	40.65	25.36	54.00	19.18	V
11932.950	33.95	-32.42	39.05	27.32	54.00	20.05	V
11764.100	33.78	-32.71	39.20	27.29	54.00	20.22	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)
17957.100	37.70	-29.59	45.95	21.34	54.00	16.30	V
17996.150	37.59	-29.59	45.95	21.23	54.00	16.41	H
13299.150	35.03	-31.40	40.60	25.83	54.00	18.97	V
13296.950	35.01	-31.40	40.60	25.81	54.00	18.99	V
11907.650	34.21	-32.53	39.10	27.64	54.00	19.79	V
11805.900	33.83	-32.09	39.20	26.72	54.00	20.17	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)
17959.300	37.89	-29.59	45.95	21.53	54.00	16.11	V
17996.700	37.38	-29.59	45.95	21.02	54.00	16.62	V
13298.050	35.05	-31.40	40.60	25.85	54.00	18.95	V
13301.350	34.94	-31.40	40.60	25.74	54.00	19.06	V
11797.100	34.02	-32.09	39.20	26.91	54.00	19.98	V
11814.700	34.00	-32.09	39.20	26.89	54.00	20.00	V

802.11be-HT40 partial RU

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)
17973.050	37.45	-29.59	45.95	21.09	54.00	16.55	V
17939.500	37.40	-29.59	45.95	21.04	54.00	16.60	V
13303.550	35.41	-31.40	40.60	26.21	54.00	18.59	V
13305.200	34.88	-31.40	40.60	25.68	54.00	19.12	V
11781.150	34.21	-32.71	39.20	27.72	54.00	19.79	V
11915.350	34.10	-32.53	39.10	27.53	54.00	19.90	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)
17996.700	37.76	-29.59	45.95	21.40	54.00	16.24	V
17996.150	37.39	-29.59	45.95	21.03	54.00	16.61	V
13308.500	35.09	-31.40	40.60	25.89	54.00	18.91	V
13322.800	35.03	-31.19	40.65	25.57	54.00	18.97	V
11903.800	33.94	-32.53	39.10	27.37	54.00	20.06	V
11894.450	33.86	-32.53	39.10	27.29	54.00	20.14	V

802.11be-HT80 partial RU

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)
17968.650	37.73	-29.59	45.95	21.37	54.00	16.27	H
17985.150	37.55	-29.59	45.95	21.19	54.00	16.45	H
13301.350	35.18	-31.40	40.60	25.98	54.00	18.82	V
13298.050	35.08	-31.40	40.60	25.88	54.00	18.92	V
11896.100	34.56	-32.53	39.10	27.99	54.00	19.44	V
11908.200	34.43	-32.53	39.10	27.86	54.00	19.57	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)
16941.800	47.51	-29.68	40.60	36.59	68.20	20.69	V
17954.350	46.76	-29.59	45.95	30.40	74.00	27.24	H
13685.800	44.40	-30.98	41.00	34.38	68.20	23.80	V
14011.950	43.94	-31.31	41.60	33.65	68.20	24.26	H
11788.300	42.93	-32.09	39.20	35.82	74.00	31.07	V
11850.450	42.74	-32.73	39.15	36.32	74.00	31.26	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)
16995.150	46.80	-29.38	40.85	35.33	68.20	21.40	H
17438.450	46.64	-28.70	44.20	31.14	68.20	21.56	V
14170.350	44.22	-30.42	41.70	32.94	68.20	23.98	H
14016.350	43.88	-31.31	41.60	33.59	68.20	24.32	H
10287.900	42.47	-33.82	38.00	38.29	68.20	25.73	H
11748.150	42.35	-32.71	39.20	35.86	74.00	31.65	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)
17395.550	47.33	-29.44	43.80	32.97	68.20	20.87	H
16950.600	46.82	-29.68	40.60	35.90	68.20	21.38	H
14602.650	44.55	-29.14	41.90	31.79	68.20	23.65	H
14673.600	44.41	-30.04	41.50	32.95	68.20	23.79	H
11321.350	42.98	-32.41	38.70	36.69	74.00	31.02	H
11886.200	42.59	-32.53	39.10	36.02	74.00	31.41	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)
17855.350	46.43	-29.59	45.95	30.07	74.00	27.57	V
17520.400	46.32	-29.07	44.55	30.84	68.20	21.88	H
13936.050	44.31	-30.81	41.40	33.72	68.20	23.89	H
13834.850	44.18	-30.20	41.25	33.13	68.20	24.02	H
11862.000	42.46	-32.73	39.15	36.04	74.00	31.54	H
11788.850	42.30	-32.09	39.20	35.19	74.00	31.70	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)
17448.900	46.75	-28.70	44.20	31.25	68.20	21.45	H
16773.500	46.32	-29.73	39.70	36.35	68.20	21.88	V
13932.200	45.14	-30.81	41.40	34.55	68.20	23.06	H
14603.200	44.63	-29.14	41.90	31.87	68.20	23.57	V
11853.750	43.51	-32.73	39.15	37.09	74.00	30.49	V
11854.300	43.33	-32.73	39.15	36.91	74.00	30.67	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)
17916.950	47.21	-29.59	45.95	30.85	74.00	26.79	V
16962.700	46.64	-29.68	40.60	35.72	68.20	21.56	H
13931.650	45.29	-30.81	41.40	34.70	68.20	22.91	V
14593.850	44.07	-29.14	41.90	31.31	68.20	24.13	H
11862.550	42.43	-32.73	39.15	36.01	74.00	31.57	H
11886.750	42.35	-32.53	39.10	35.78	74.00	31.65	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)
17487.400	47.50	-29.07	44.55	32.02	68.20	20.70	V
16824.100	47.33	-29.24	39.85	36.72	68.20	20.87	H
14652.700	44.87	-30.67	41.70	33.84	68.20	23.33	V
13933.300	44.76	-30.81	41.40	34.17	68.20	23.44	V
11860.900	43.51	-32.73	39.15	37.09	74.00	30.49	H
11795.450	43.29	-32.09	39.20	36.18	74.00	30.71	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)
17139.250	48.52	-29.31	41.70	36.13	68.20	19.68	V
16939.600	48.14	-29.68	40.60	37.22	68.20	20.06	H
13917.900	45.04	-30.81	41.40	34.45	68.20	23.16	H
14648.300	44.87	-30.67	41.70	33.84	68.20	23.33	V
11915.350	43.84	-32.53	39.10	37.27	74.00	30.16	V
10854.400	43.54	-33.07	38.50	38.11	74.00	30.46	H

802.11ac-VHT20

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)
17997.800	46.56	-29.59	45.95	30.20	74.00	27.44	V
17437.900	46.40	-28.70	44.20	30.90	68.20	21.80	H
13935.500	44.42	-30.81	41.40	33.83	68.20	23.78	V
13184.200	43.95	-30.73	40.40	34.28	68.20	24.25	H
10713.050	42.61	-33.62	38.40	37.83	74.00	31.39	V
10384.700	42.20	-33.64	38.10	37.74	68.20	26.00	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)
17952.150	47.26	-29.59	45.95	30.90	74.00	26.74	V
17142.000	46.70	-29.31	41.70	34.31	68.20	21.50	V
14594.400	44.64	-29.14	41.90	31.88	68.20	23.56	V
13635.200	44.58	-31.29	40.90	34.97	68.20	23.62	V
10468.300	42.33	-33.87	38.20	38.00	68.20	25.87	V
11905.450	42.17	-32.53	39.10	35.60	74.00	31.83	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)
17962.050	47.39	-29.59	45.95	31.03	74.00	26.61	V
17969.750	47.06	-29.59	45.95	30.70	74.00	26.94	V
13947.600	44.23	-30.81	41.40	33.64	68.20	23.97	H
13833.750	43.88	-30.20	41.25	32.83	68.20	24.32	V
11887.300	43.25	-32.53	39.10	36.68	74.00	30.75	H
11869.150	43.01	-32.73	39.15	36.59	74.00	30.99	V

802.11ac-VHT40

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)
17982.400	47.38	-29.59	45.95	31.02	74.00	26.62	H
17353.200	47.17	-28.74	43.40	32.51	68.20	21.03	V
14597.150	45.46	-29.14	41.90	32.70	68.20	22.74	V
13713.850	45.42	-31.18	41.10	35.50	68.20	22.78	V
10375.350	43.81	-33.64	38.10	39.35	68.20	24.39	V
11895.550	42.95	-32.53	39.10	36.38	74.00	31.05	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)
17968.100	47.95	-29.59	45.95	31.59	74.00	26.05	V
17527.550	47.56	-29.39	44.90	32.06	68.20	20.64	V
14090.600	45.09	-30.20	41.70	33.59	68.20	23.11	V
14626.300	44.99	-30.67	41.70	33.96	68.20	23.21	V
11929.100	44.13	-32.53	39.10	37.56	74.00	29.87	V
11290.550	43.80	-32.41	38.70	37.51	74.00	30.20	V

802.11ac-VHT80

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)
17463.750	47.56	-28.70	44.20	32.06	68.20	20.64	H
16951.700	47.47	-29.68	40.60	36.55	68.20	20.73	V
14217.650	44.81	-30.75	41.75	33.81	68.20	23.39	V
13838.700	44.72	-30.20	41.25	33.67	68.20	23.48	V
11846.600	44.22	-32.73	39.15	37.80	74.00	29.78	V
11866.400	43.27	-32.73	39.15	36.85	74.00	30.73	V

802.11ax-HT20 full RU

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)
16969.850	46.77	-29.68	40.60	35.85	68.20	21.43	V
17887.250	46.70	-29.59	45.95	30.34	74.00	27.30	V
14558.650	44.44	-29.14	41.90	31.68	68.20	23.76	V
13939.350	44.38	-30.81	41.40	33.79	68.20	23.82	V
11823.500	42.84	-32.09	39.20	35.73	74.00	31.16	V
11748.700	42.76	-32.71	39.20	36.27	74.00	31.24	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)
17438.450	46.76	-28.70	44.20	31.26	68.20	21.44	H
17450.550	46.66	-28.70	44.20	31.16	68.20	21.54	H
13567.550	44.18	-31.27	40.80	34.65	68.20	24.02	V
13589.000	43.90	-31.27	40.80	34.37	68.20	24.30	V
11869.150	42.88	-32.73	39.15	36.46	74.00	31.12	H
10580.500	42.42	-33.72	38.25	37.89	68.20	25.78	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)
17285.000	46.66	-29.54	42.90	33.30	68.20	21.54	V
17454.950	46.61	-28.70	44.20	31.11	68.20	21.59	H
13937.700	43.98	-30.81	41.40	33.39	68.20	24.22	V
14579.000	43.80	-29.14	41.90	31.04	68.20	24.40	V
11857.050	42.50	-32.73	39.15	36.08	74.00	31.50	V
11863.100	42.34	-32.73	39.15	35.92	74.00	31.66	V

802.11ax-HT40 full RU

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)
17479.700	47.40	-29.07	44.55	31.92	68.20	20.80	H
17448.900	47.25	-28.70	44.20	31.75	68.20	20.95	H
13921.200	46.13	-30.81	41.40	35.54	68.20	22.07	V
14573.500	45.18	-29.14	41.90	32.42	68.20	23.02	V
11827.900	43.64	-32.09	39.20	36.53	74.00	30.36	V
9618.000	43.33	-34.18	37.60	39.91	68.20	24.87	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)
16754.800	47.41	-29.73	39.70	37.44	68.20	20.79	H
16936.300	47.13	-29.68	40.60	36.21	68.20	21.07	V
14598.250	45.12	-29.14	41.90	32.36	68.20	23.08	V
13298.050	44.88	-31.40	40.60	35.68	74.00	29.12	V
11905.450	43.34	-32.53	39.10	36.77	74.00	30.66	V
11844.950	43.27	-32.73	39.15	36.85	74.00	30.73	H

802.11ax-HT80 full RU

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)
16959.400	47.97	-29.68	40.60	37.05	68.20	20.23	H
17134.300	47.42	-29.31	41.70	35.03	68.20	20.78	V
13648.400	45.35	-31.29	40.90	35.74	68.20	22.85	V
14209.400	45.21	-30.75	41.75	34.21	68.20	22.99	V
11821.300	43.68	-32.09	39.20	36.57	74.00	30.32	V
10742.750	43.63	-32.42	38.45	37.60	74.00	30.37	H

802.11be-HT20 full RU

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)
17243.200	47.66	-29.33	42.40	34.59	68.20	20.54	V
17544.050	47.38	-29.39	44.90	31.88	68.20	20.82	H
14596.050	44.83	-29.14	41.90	32.07	68.20	23.37	V
14602.100	44.75	-29.14	41.90	31.99	68.20	23.45	V
11857.050	43.44	-32.73	39.15	37.02	74.00	30.56	H
11913.150	43.17	-32.53	39.10	36.60	74.00	30.83	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)
17536.900	48.14	-29.39	44.90	32.64	68.20	20.06	V
17882.300	47.42	-29.59	45.95	31.06	74.00	26.58	V
13953.100	45.14	-30.81	41.40	34.55	68.20	23.06	V
14080.150	44.83	-30.20	41.70	33.33	68.20	23.37	V
11688.750	43.08	-32.70	39.20	36.58	74.00	30.92	V
11388.450	43.07	-32.58	39.00	36.65	74.00	30.93	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)
17940.050	47.50	-29.59	45.95	31.14	74.00	26.50	V
17538.550	47.43	-29.39	44.90	31.93	68.20	20.77	H
14649.400	45.08	-30.67	41.70	34.05	68.20	23.12	H
14176.950	45.03	-30.42	41.70	33.75	68.20	23.17	V
11864.200	44.16	-32.73	39.15	37.74	74.00	29.84	V
10407.250	43.13	-33.66	38.20	38.59	68.20	25.07	H

802.11be-HT40 full RU

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)
17445.600	48.05	-28.70	44.20	32.55	68.20	20.15	V
17248.700	47.35	-29.33	42.40	34.28	68.20	20.85	H
14599.350	45.30	-29.14	41.90	32.54	68.20	22.90	V
12771.150	45.05	-31.81	39.65	37.21	68.20	23.15	H
11829.000	43.84	-32.09	39.20	36.73	74.00	30.16	V
11852.650	43.36	-32.73	39.15	36.94	74.00	30.64	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)
17958.200	47.40	-29.59	45.95	31.04	74.00	26.60	H
17671.100	47.24	-29.60	45.40	31.44	68.20	20.96	V
14651.050	46.06	-30.67	41.70	35.03	68.20	22.14	V
14581.200	45.36	-29.14	41.90	32.60	68.20	22.84	V
10677.850	44.03	-32.67	38.35	38.35	74.00	29.97	V
11868.600	43.72	-32.73	39.15	37.30	74.00	30.28	V

802.11be-HT80 full RU

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)
17978.550	47.59	-29.59	45.95	31.23	74.00	26.41	H
17450.550	47.37	-28.70	44.20	31.87	68.20	20.83	H
13896.450	45.40	-31.25	41.30	35.35	68.20	22.80	V
14697.800	45.12	-30.04	41.50	33.66	68.20	23.08	V
11974.750	43.25	-32.42	39.05	36.62	74.00	30.75	V
11288.900	43.14	-32.41	38.70	36.85	74.00	30.86	V

802.11ax-HT20 partial RU

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)
17227.250	48.23	-29.08	42.05	35.26	68.20	19.97	V
17261.350	47.88	-29.33	42.40	34.81	68.20	20.32	V
13938.250	45.88	-30.81	41.40	35.29	68.20	22.32	V
13917.350	45.62	-30.81	41.40	35.03	68.20	22.58	H
10502.950	44.02	-33.31	38.20	39.13	68.20	24.18	V
11247.650	43.81	-32.99	38.65	38.15	74.00	30.19	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)
16970.400	47.99	-29.68	40.60	37.07	68.20	20.21	V
17851.500	47.89	-29.59	45.95	31.53	74.00	26.11	V
14608.150	45.93	-30.67	41.70	34.90	68.20	22.27	V
13928.900	45.56	-30.81	41.40	34.97	68.20	22.64	H
11940.100	44.97	-32.42	39.05	38.34	74.00	29.03	V
11892.800	44.49	-32.53	39.10	37.92	74.00	29.51	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)
17971.400	48.25	-29.59	45.95	31.89	74.00	25.75	V
17237.700	47.92	-29.33	42.40	34.85	68.20	20.28	V
14603.750	46.33	-29.14	41.90	33.57	68.20	21.87	V
13535.650	45.61	-31.18	40.75	36.04	68.20	22.59	H
11871.900	44.55	-32.73	39.15	38.13	74.00	29.45	H
10463.900	44.06	-33.87	38.20	39.73	68.20	24.14	V

802.11ax-HT40 partial RU

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)
16963.250	48.90	-29.68	40.60	37.98	68.20	19.30	V
17045.200	48.01	-29.30	41.10	36.21	68.20	20.19	V
14586.150	45.90	-29.14	41.90	33.14	68.20	22.30	H
14079.050	45.74	-30.20	41.70	34.24	68.20	22.46	H
11777.850	44.18	-32.71	39.20	37.69	74.00	29.82	V
9594.900	43.90	-34.13	37.50	40.53	68.20	24.30	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)
17629.300	48.19	-29.60	45.40	32.39	68.20	20.01	H
17995.050	48.13	-29.59	45.95	31.77	74.00	25.87	H
13923.400	45.76	-30.81	41.40	35.17	68.20	22.44	V
14591.100	45.60	-29.14	41.90	32.84	68.20	22.60	V
9723.050	44.72	-34.44	37.80	41.36	68.20	23.48	V
10507.350	44.55	-33.31	38.20	39.66	68.20	23.65	V

802.11ax-HT80 partial RU

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)
17056.750	49.01	-29.30	41.10	37.21	68.20	19.19	V
17952.150	48.33	-29.59	45.95	31.97	74.00	25.67	H
14079.050	45.83	-30.20	41.70	34.33	68.20	22.37	V
14321.050	45.77	-30.44	41.85	34.36	68.20	22.43	H
10365.450	44.42	-33.64	38.10	39.96	68.20	23.78	V
11124.450	44.16	-33.04	38.60	38.60	74.00	29.84	V

802.11be-HT20 partial RU

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)
17925.200	48.20	-29.59	45.95	31.84	74.00	25.80	H
17336.150	47.95	-28.74	43.40	33.29	68.20	20.25	V
14645.550	45.94	-30.67	41.70	34.91	68.20	22.26	V
14620.250	45.76	-30.67	41.70	34.73	68.20	22.44	V
10403.400	44.18	-33.66	38.20	39.64	68.20	24.02	V
10939.100	44.08	-32.80	38.50	38.38	74.00	29.92	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)
17326.250	47.89	-29.54	42.90	34.53	68.20	20.31	V
17866.900	47.88	-29.59	45.95	31.52	74.00	26.12	V
14190.700	45.98	-30.42	41.70	34.70	68.20	22.22	V
13298.050	45.83	-31.40	40.60	36.63	74.00	28.17	V
10551.900	44.97	-33.72	38.25	40.44	68.20	23.23	V
11299.350	44.20	-32.41	38.70	37.91	74.00	29.80	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)
17968.100	48.66	-29.59	45.95	32.30	74.00	25.34	H
16947.300	48.20	-29.68	40.60	37.28	68.20	20.00	V
13741.900	46.04	-31.18	41.10	36.12	68.20	22.16	V
14013.600	46.02	-31.31	41.60	35.73	68.20	22.18	V
10508.450	44.39	-33.31	38.20	39.50	68.20	23.81	V
10386.900	44.21	-33.64	38.10	39.75	68.20	23.99	H

802.11be-HT40 partial RU

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)
17995.050	48.92	-29.59	45.95	32.56	74.00	25.08	V
17523.150	48.17	-29.07	44.55	32.69	68.20	20.03	H
13905.250	45.39	-31.25	41.30	35.34	68.20	22.81	V
14587.800	45.20	-29.14	41.90	32.44	68.20	23.00	V
11908.200	44.15	-32.53	39.10	37.58	74.00	29.85	V
10452.900	43.93	-33.87	38.20	39.60	68.20	24.27	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)
16983.050	48.60	-29.38	40.85	37.13	68.20	19.60	V
17623.250	47.93	-29.60	45.15	32.38	68.20	20.27	V
14102.150	45.73	-30.20	41.70	34.23	68.20	22.47	H
13954.750	45.72	-30.81	41.40	35.13	68.20	22.48	V
10754.300	44.02	-32.42	38.45	37.99	74.00	29.98	V
10449.050	43.89	-33.87	38.20	39.56	68.20	24.31	V

802.11be-HT80 partial RU

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)
17453.850	48.88	-28.70	44.20	33.38	68.20	19.32	V
17528.100	48.20	-29.39	44.90	32.70	68.20	20.00	V
13939.350	46.03	-30.81	41.40	35.44	68.20	22.17	V
13957.500	45.83	-30.81	41.40	35.24	68.20	22.37	V
11260.850	44.62	-32.99	38.65	38.96	74.00	29.38	V
10461.150	43.83	-33.87	38.20	39.50	68.20	24.37	V

※NOTE: For 802.11ax and 802.11be, partial RU configurations have been all tested, only the worst cases were reported in the tables above. The EUT has two common operating states: folding and unfolding; there are two 2.4G WLAN antennas and the EUT supports both SISO and MIMO transmission. All relevant states have been examined, only the worst cases were reported.

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.1	P
	5825 MHz	Fig.2	P
802.11n HT20	5745 MHz	Fig.3	P
	5825 MHz	Fig.4	P
802.11n HT40	5755 MHz	Fig.5	P
	5795 MHz	Fig.6	P
802.11ac VHT20	5745 MHz	Fig.7	P
	5825 MHz	Fig.8	P
802.11ac VHT40	5755 MHz	Fig.9	P
	5795 MHz	Fig.10	P
802.11ac VHT80	5775 MHz	Fig.11 Fig.12	P
802.11ax HT20 full RU	5745 MHz	Fig.13	P
	5825 MHz	Fig.14	P
802.11ax HT40 full RU	5755 MHz	Fig.15	P
	5795 MHz	Fig.16	P
802.11ax HT80 full RU	5775 MHz	Fig.17 Fig.18	P
802.11ax HT20 partial RU	5745 MHz	Fig.19	P
	5825 MHz	Fig.20	P
802.11ax HT40 partial RU	5755 MHz	Fig.21	P
	5795 MHz	Fig.22	P
802.11ax HT80 partial RU	5775 MHz	Fig.23 Fig.24	P
802.11be HT20 full RU	5745 MHz	Fig.25	P
	5825 MHz	Fig.26	P
802.11be HT40 full RU	5755 MHz	Fig.27	P
	5795 MHz	Fig.28	P

802.11be HT80 full RU	5775 MHz	Fig.29 Fig.30	P
802.11be HT20 partial RU	5745 MHz	Fig.31	P
	5825 MHz	Fig.32	P
802.11be HT40 partial RU	5755 MHz	Fig.33	P
	5795 MHz	Fig.34	P
802.11be HT80 partial RU	5775 MHz	Fig.35 Fig.36	P

Conclusion: PASS

Test graphs as below:

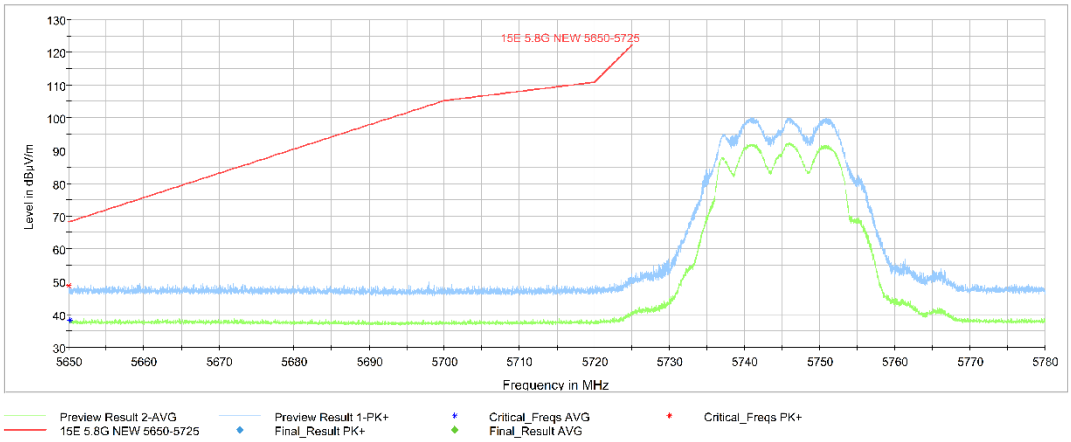


Fig. 1 Band Edges (802.11a Ch149, MIMO, 5745MHz)

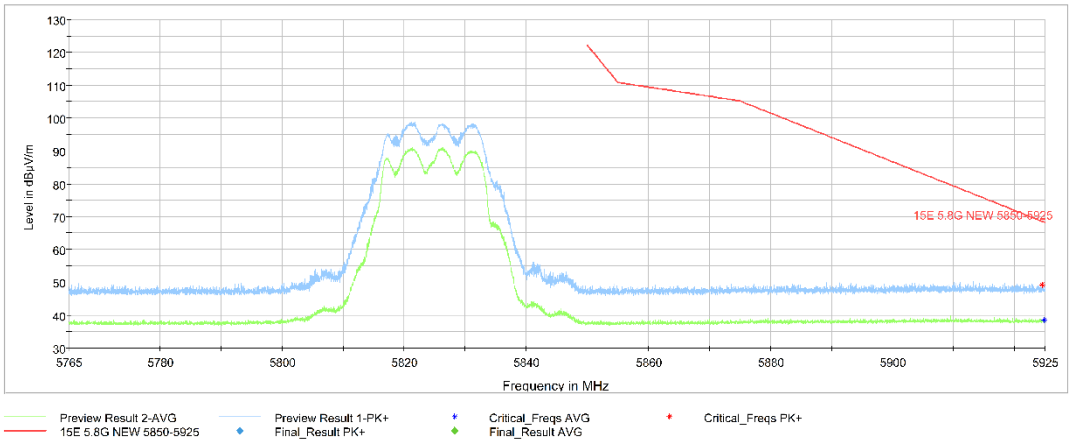


Fig. 2 Band Edges (802.11a Ch165, MIMO, 5825MHz)

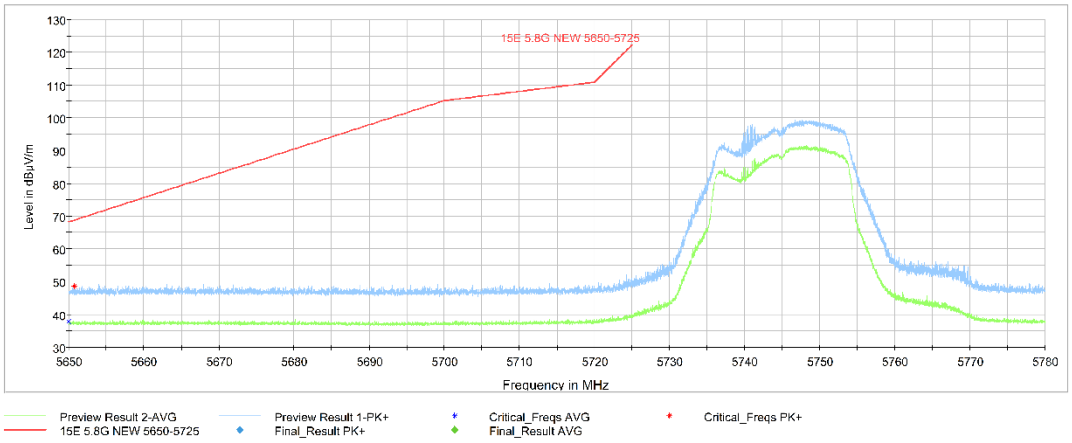


Fig. 3 Band Edges (802.11n-HT20 Ch149, MIMO, 5745MHz)

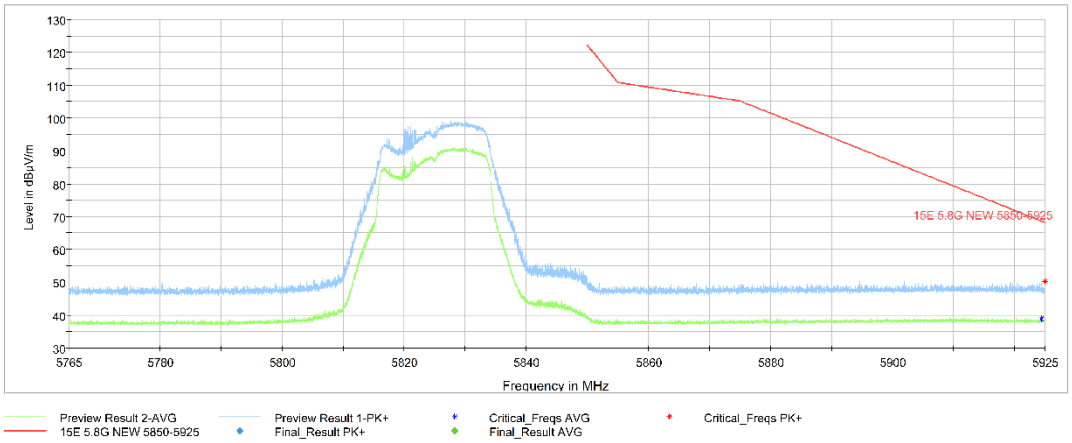


Fig. 4 Band Edges (802.11n-HT20 Ch165, MIMO, 5825MHz)

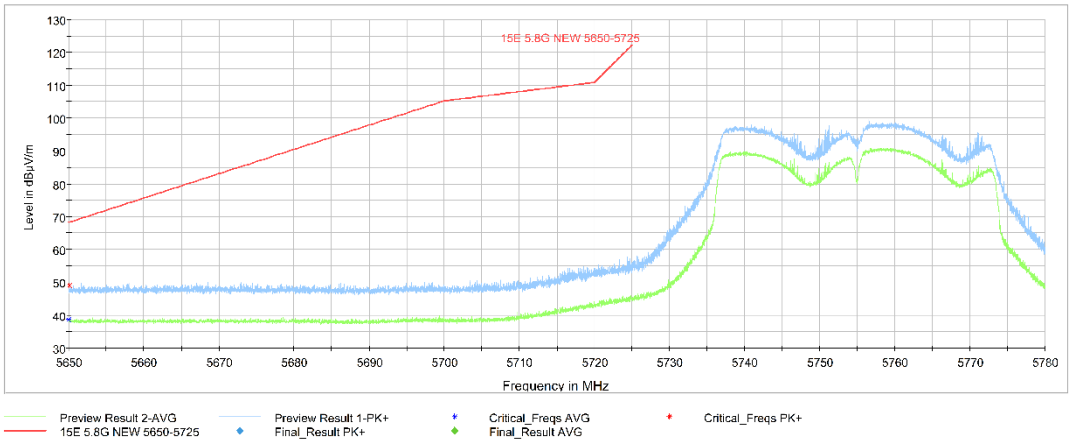


Fig. 5 Band Edges (802.11n-HT40 Ch151, MIMO, 5755MHz)

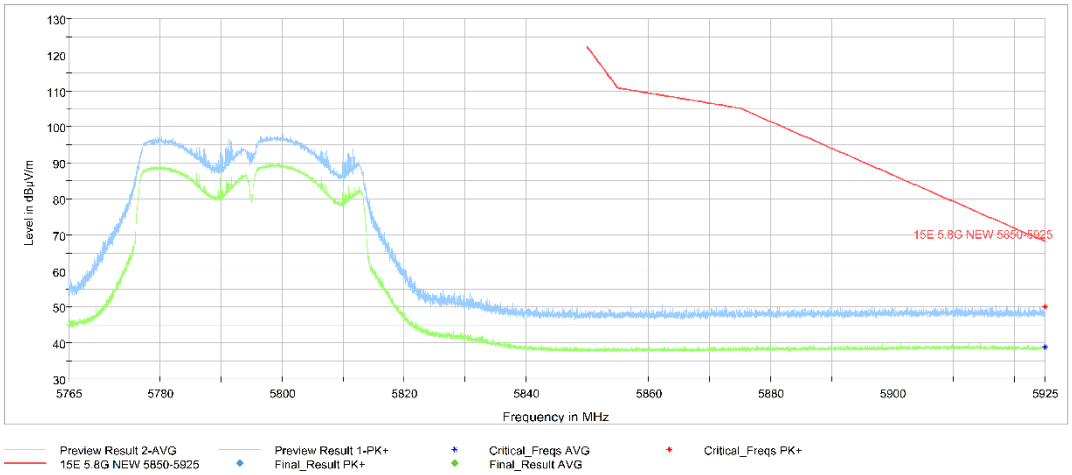


Fig. 6 Band Edges (802.11n-HT40 Ch159, MIMO, 5795MHz)

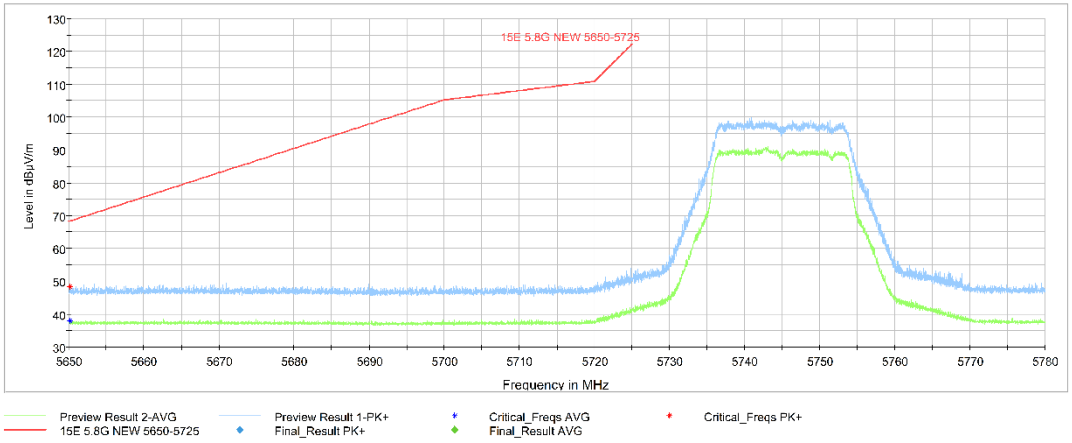


Fig. 7 Band Edges (802.11ac-HT20 Ch149, MIMO, 5745MHz)

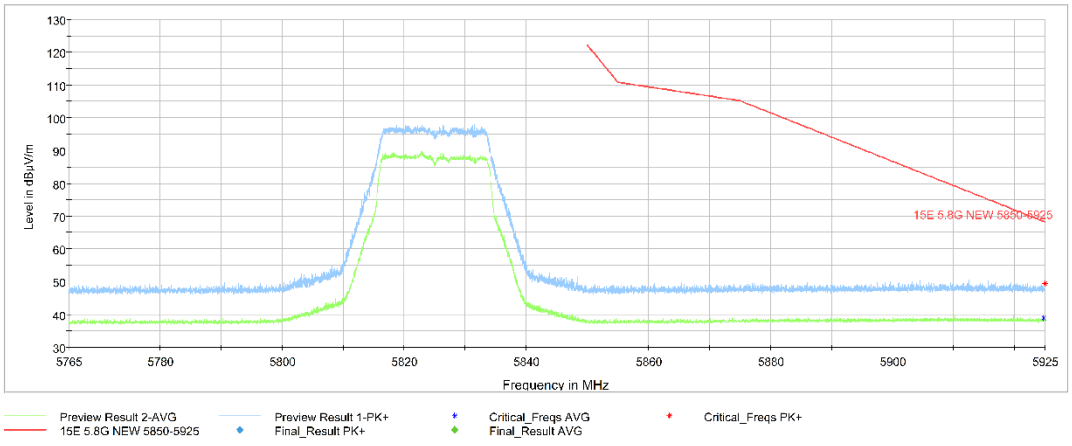


Fig. 8 Band Edges (802.11ac-HT20 Ch165, MIMO, 5825MHz)

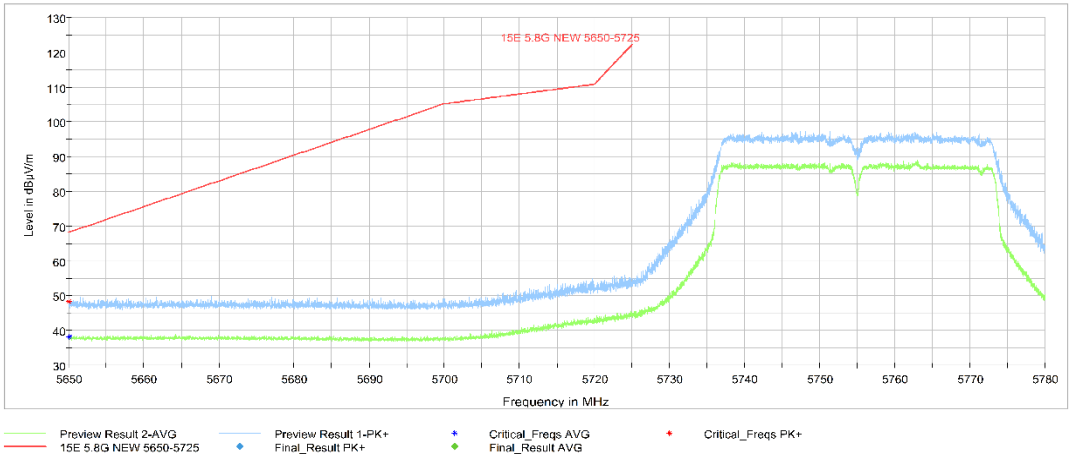


Fig. 9 Band Edges (802.11ac-HT40 Ch151, MIMO, 5755MHz)

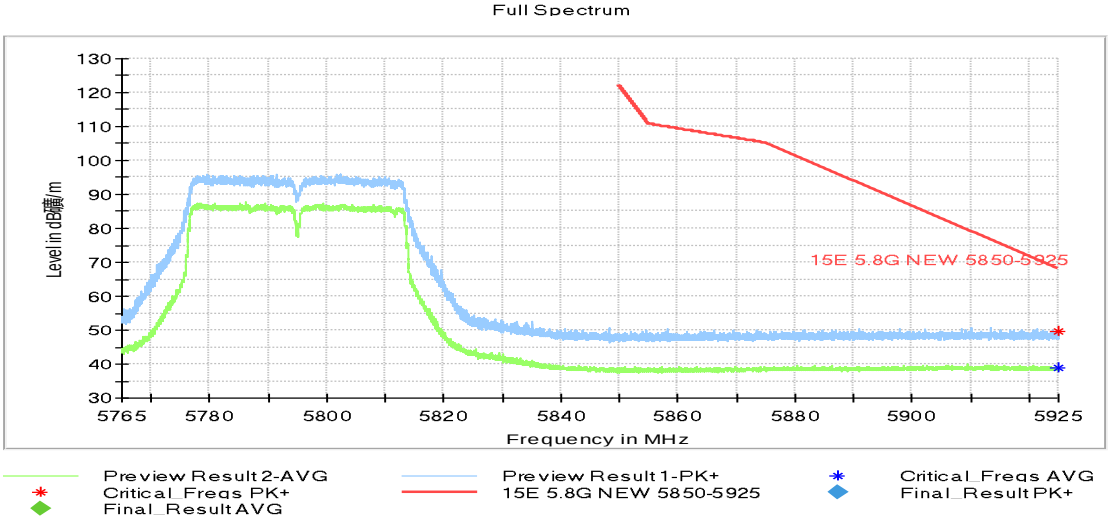


Fig. 10 Band Edges (802.11ac-HT40 Ch159, MIMO, 5795MHz)

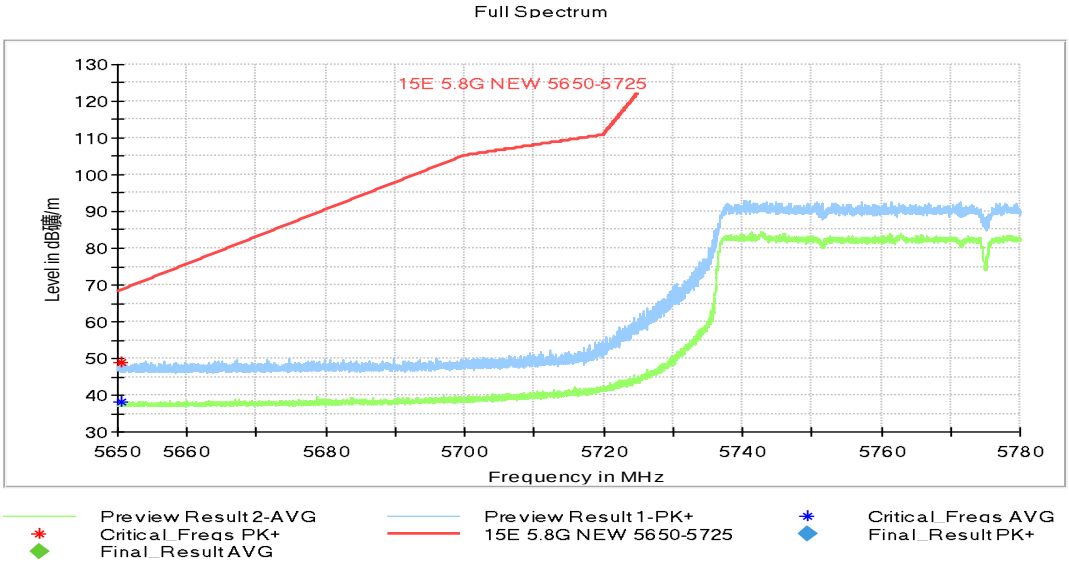


Fig. 11 Band Edges (802.11ac-HT80 Ch155-L, MIMO, 5775MHz)

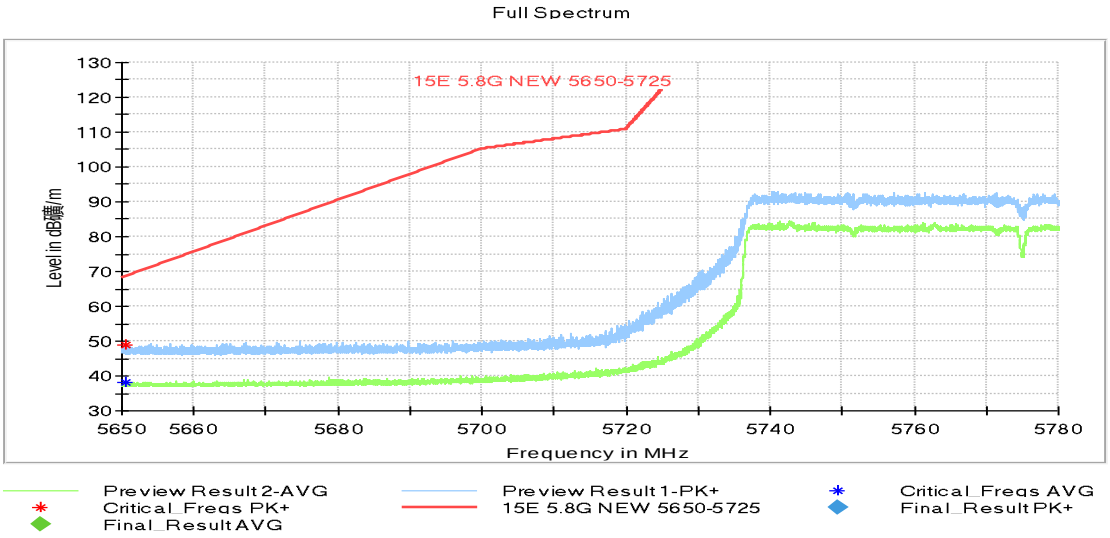


Fig. 12 Band Edges (802.11ac-HT80 Ch155-R, MIMO, 5775MHz)

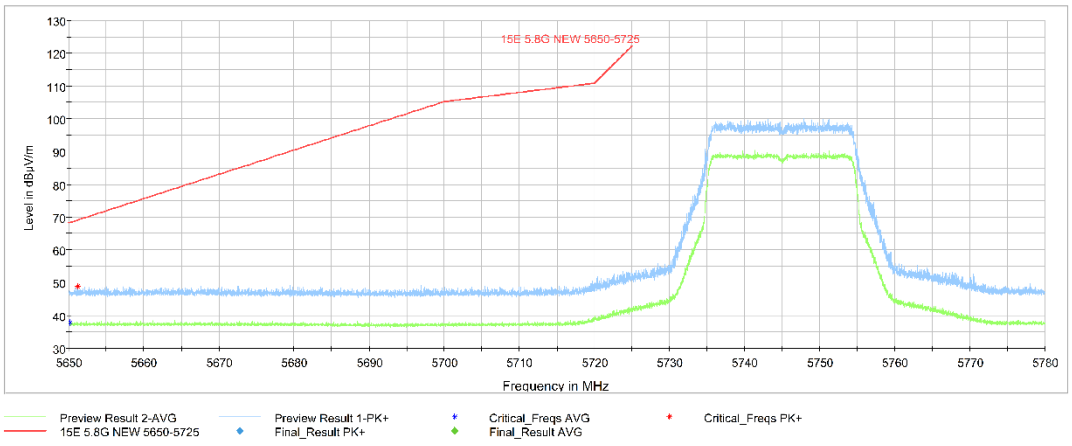


Fig. 13 Band Edges (802.11ax-HT20 Ch149 full RU, MIMO, 5745MHz)

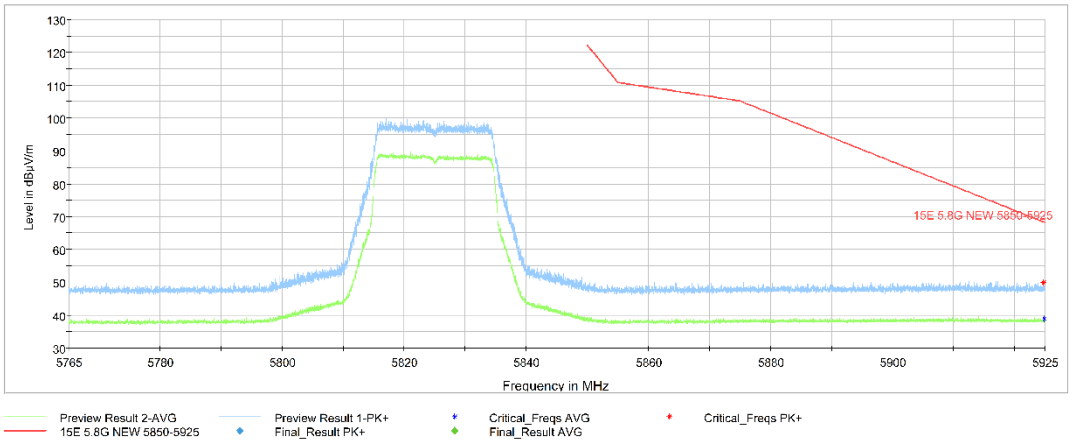


Fig. 14 Band Edges (802.11ax-HT20 Ch165 full RU, MIMO, 5825MHz)

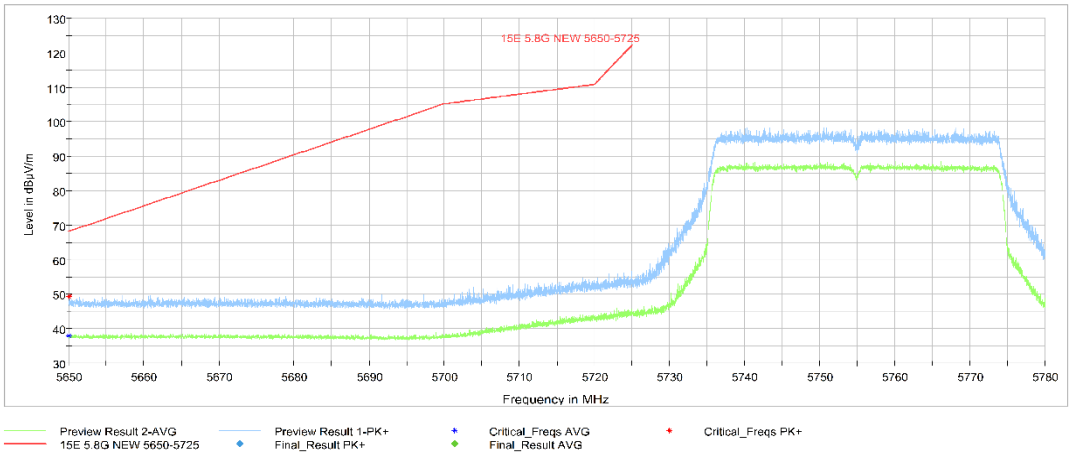


Fig. 15 Band Edges (802.11ax-HT40 Ch151 full RU, MIMO, 5755MHz)

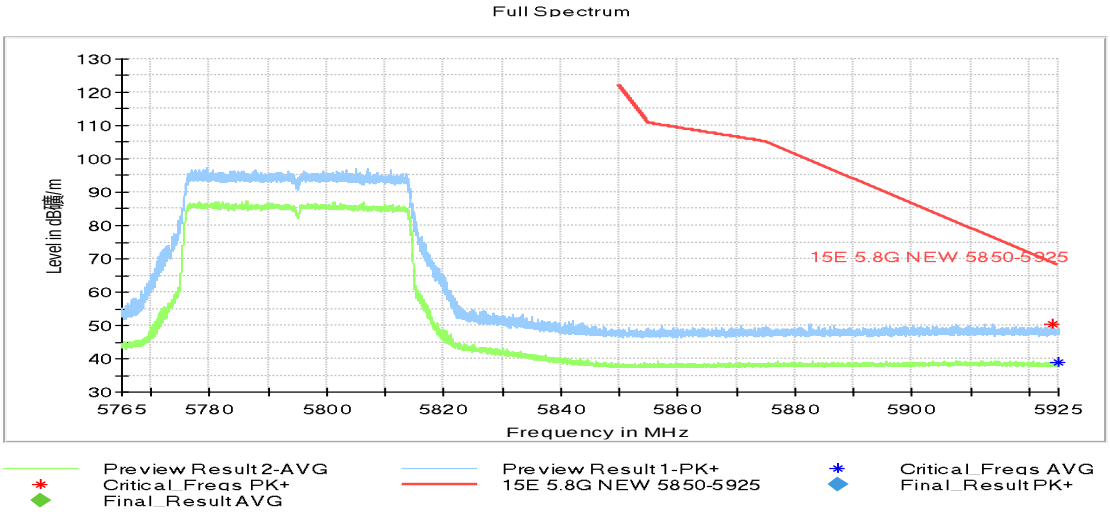


Fig. 16 Band Edges (802.11ax-HT40 Ch159 full RU, MIMO, 5795MHz)

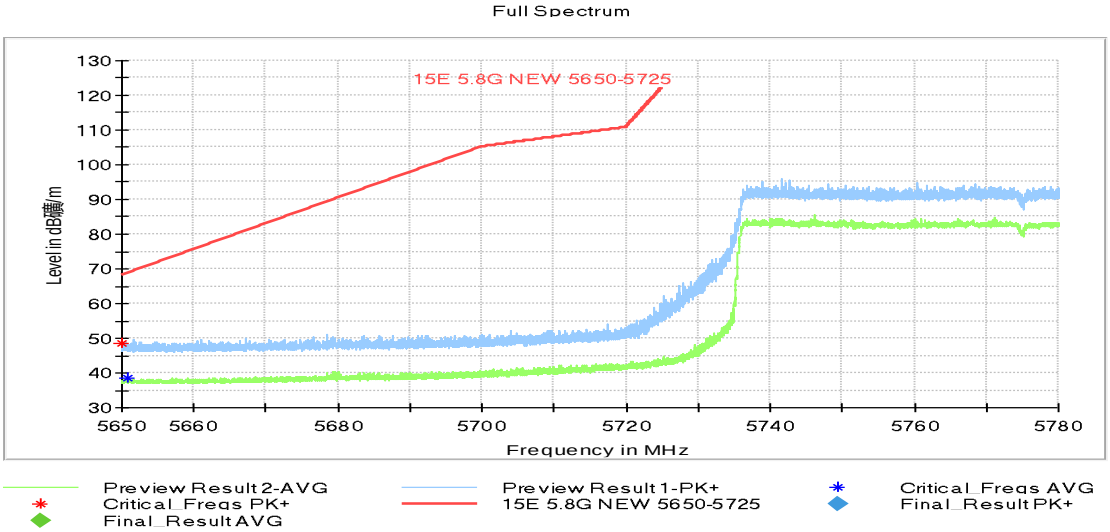


Fig. 17 Band Edges (802.11ax-HT80 Ch155-L full RU, MIMO, 5775MHz)

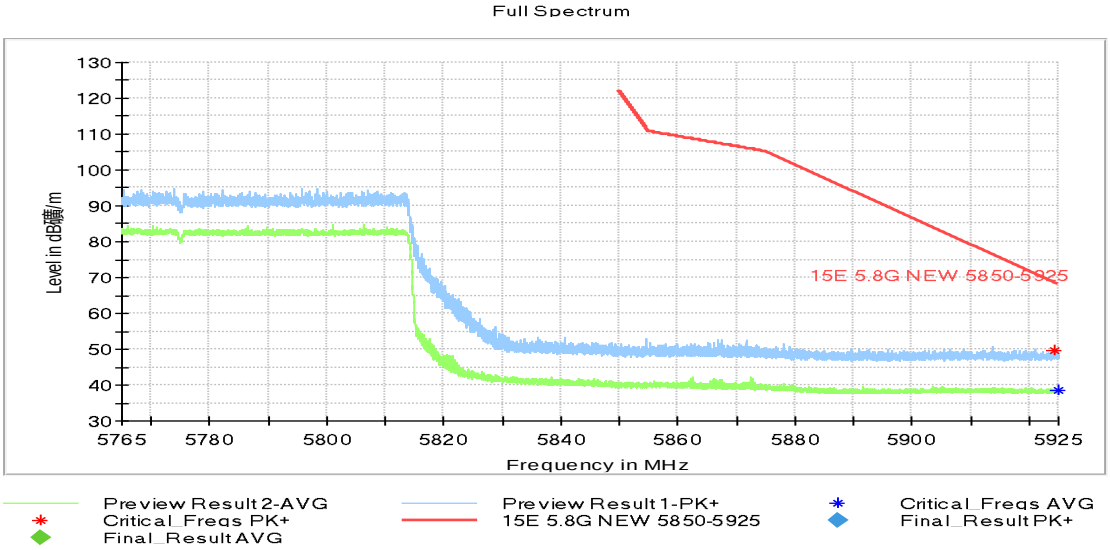


Fig. 18 Band Edges (802.11ax-HT80 Ch155-R full RU, MIMO, 5775MHz)

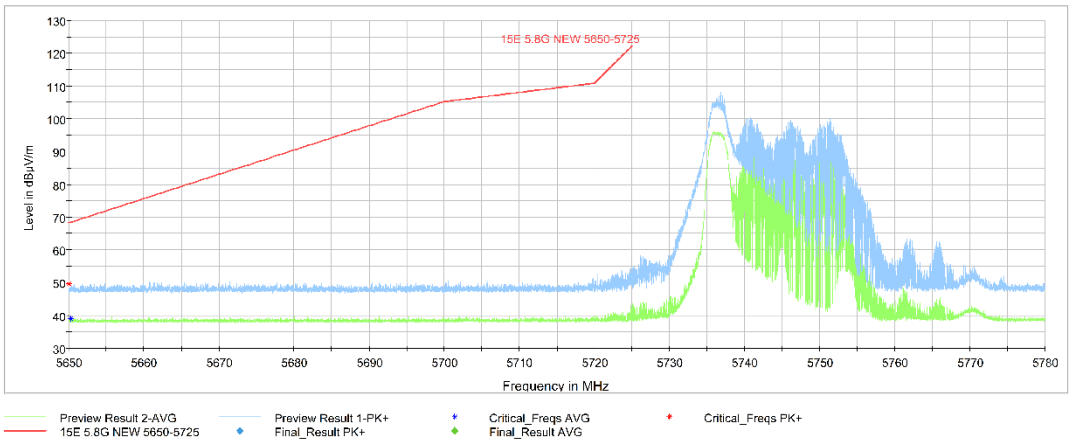


Fig. 19 Band Edges (802.11ax-HT20 Ch149 partial RU, MIMO, 5745MHz)

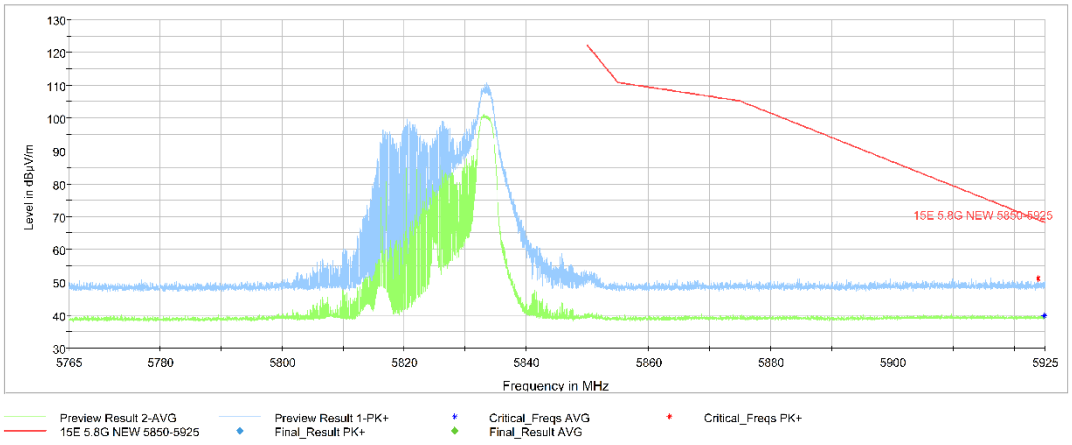


Fig. 20 Band Edges (802.11ax-HT20 Ch165 partial RU, MIMO, 5825MHz)

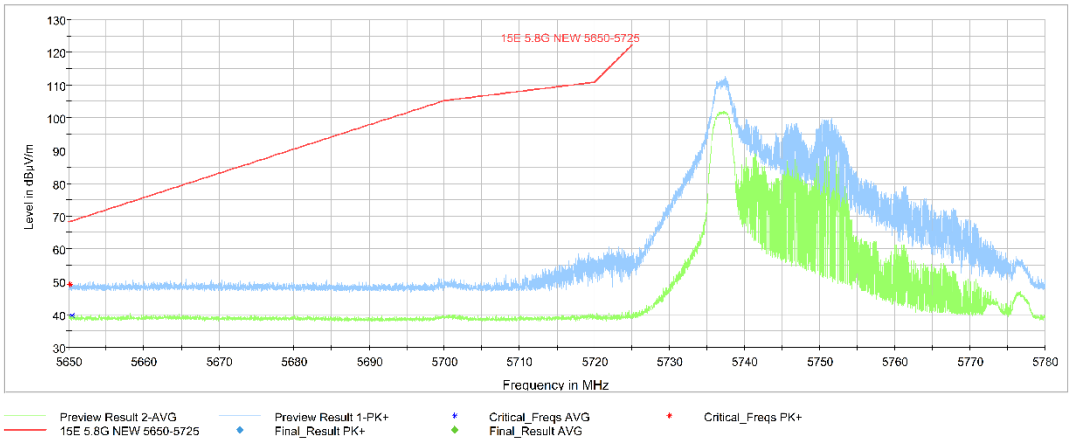


Fig. 21 Band Edges (802.11ax-HT40 Ch151 partial RU, MIMO, 5755MHz)

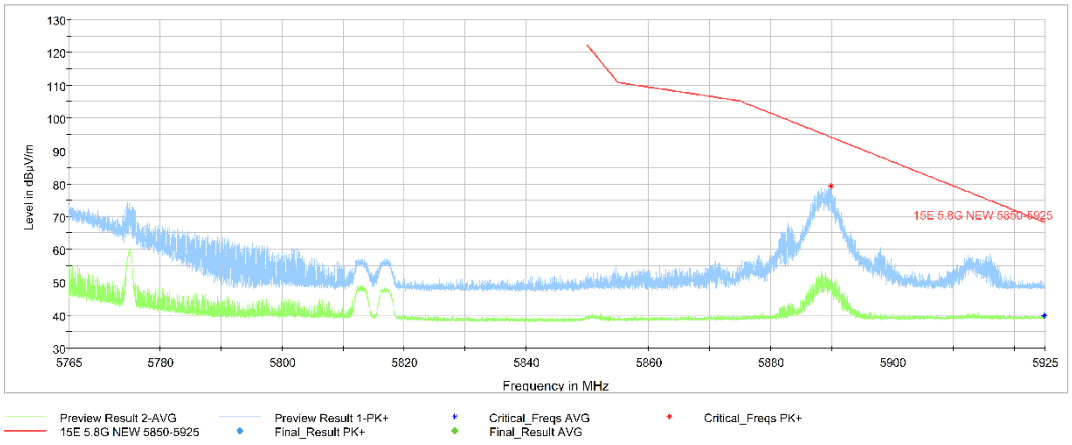


Fig. 22 Band Edges (802.11ax-HT40 Ch159 partial RU, MIMO, 5795MHz)

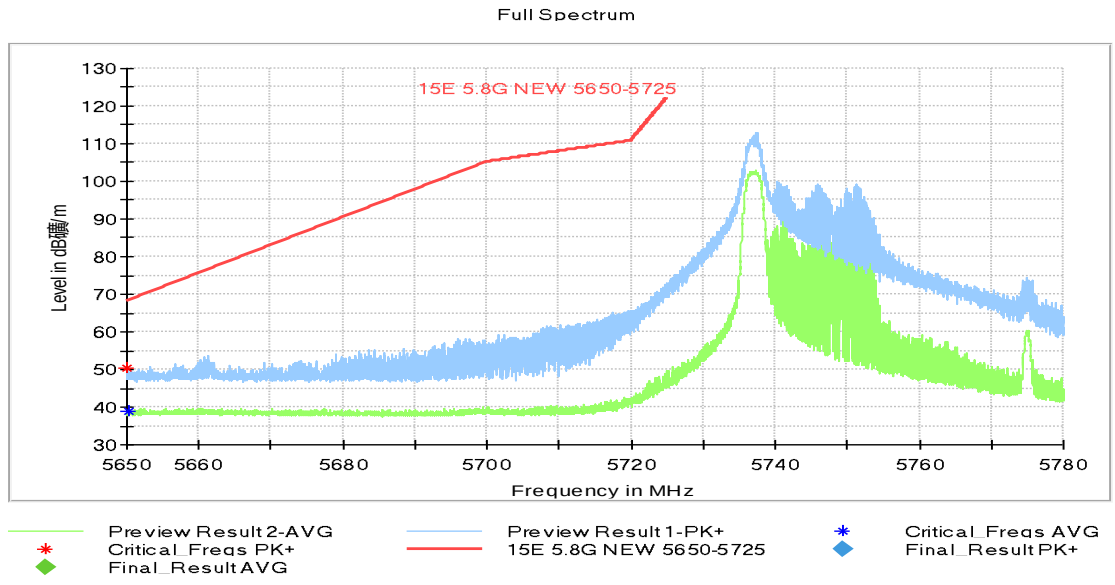


Fig. 23 Band Edges (802.11ax-HT80 Ch155-L partial RU, MIMO, 5775MHz)

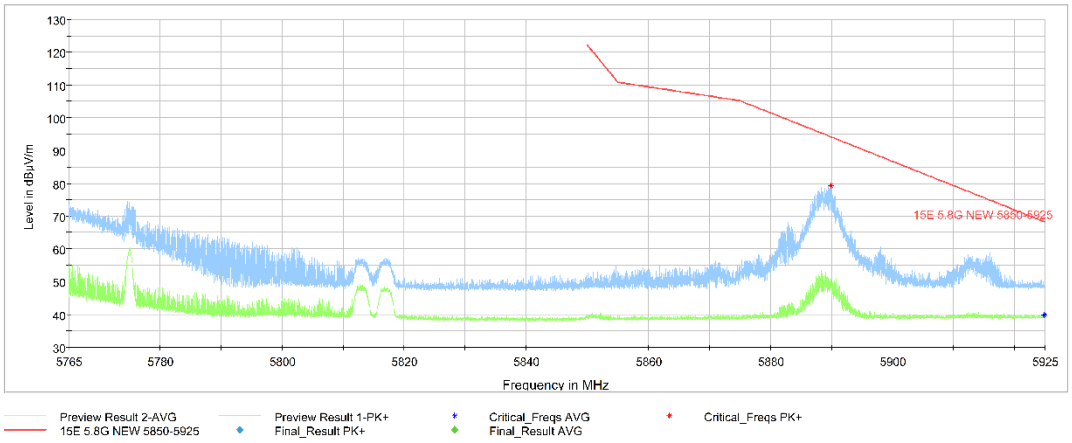


Fig. 24 Band Edges (802.11ax-HT80 Ch155-R partial RU, MIMO, 5775MHz)

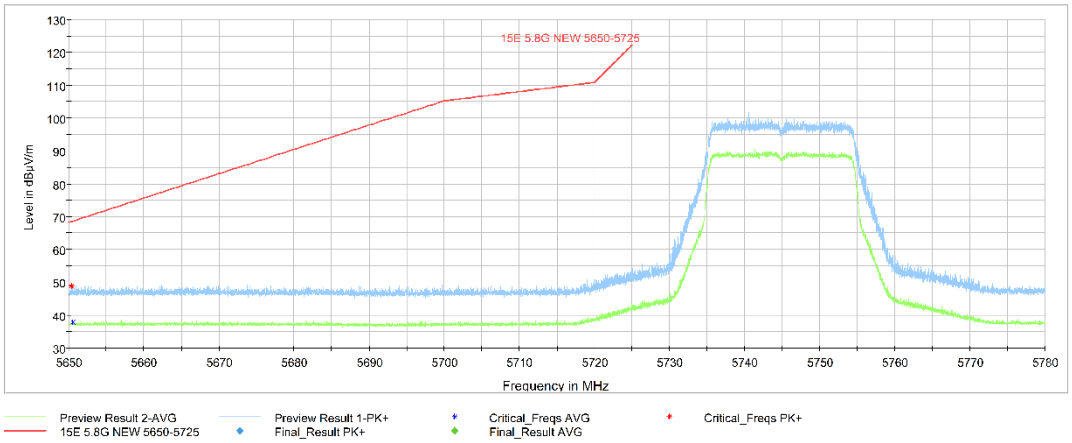


Fig. 25 Band Edges (802.11be-HT20 Ch149 full RU, MIMO, 5745MHz)

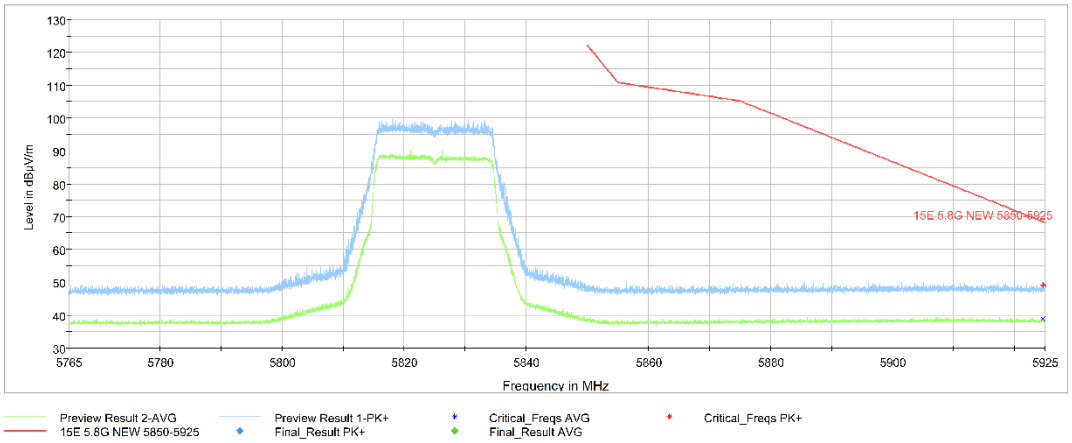


Fig. 26 Band Edges (802.11be-HT20 Ch165 full RU, MIMO, 5825MHz)

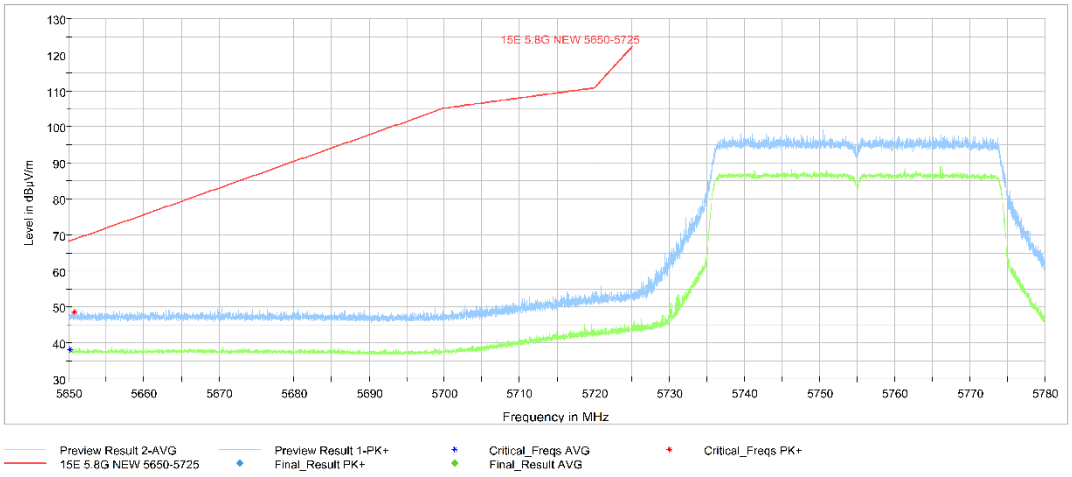


Fig. 27 Band Edges (802.11be-HT40 Ch151 full RU, MIMO, 5755MHz)

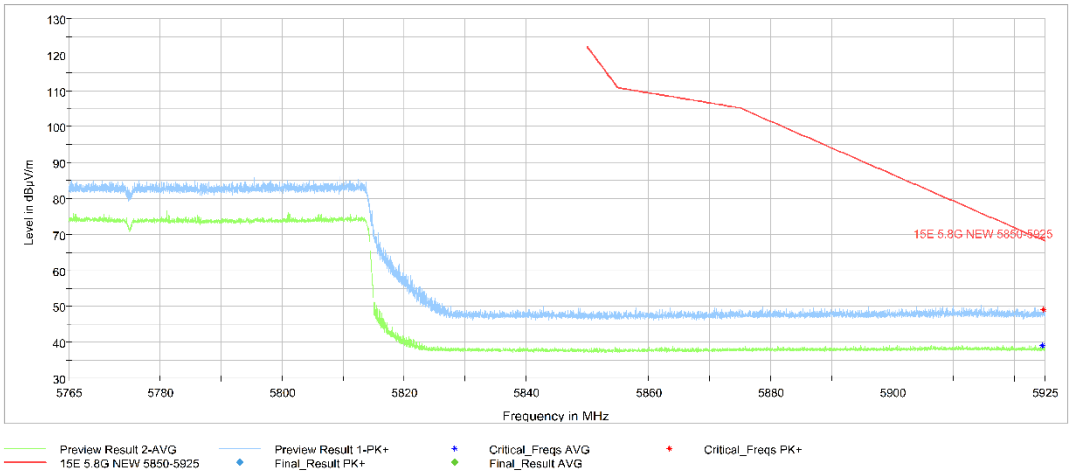


Fig. 28 Band Edges (802.11be-HT40 Ch159 full RU, MIMO, 5795MHz)

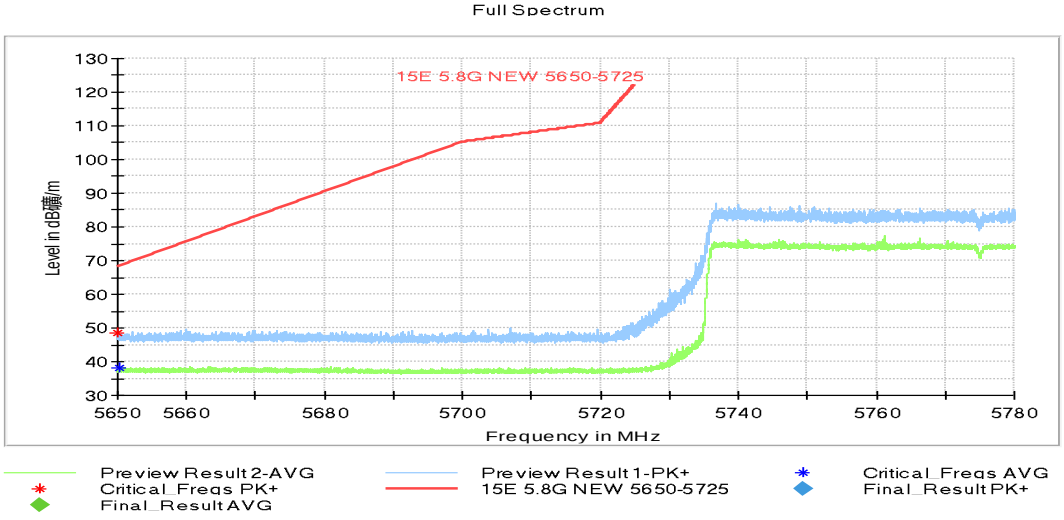


Fig. 29 Band Edges (802.11be-HT80 Ch155-L full RU, MIMO, 5775MHz)

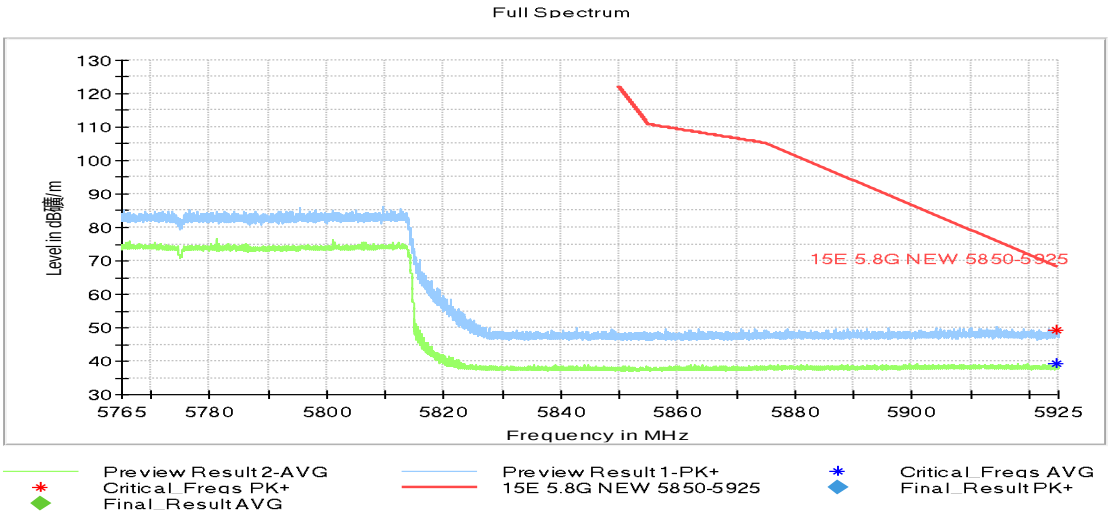


Fig. 30 Band Edges (802.11be-HT80 Ch155-R full RU, MIMO, 5775MHz)

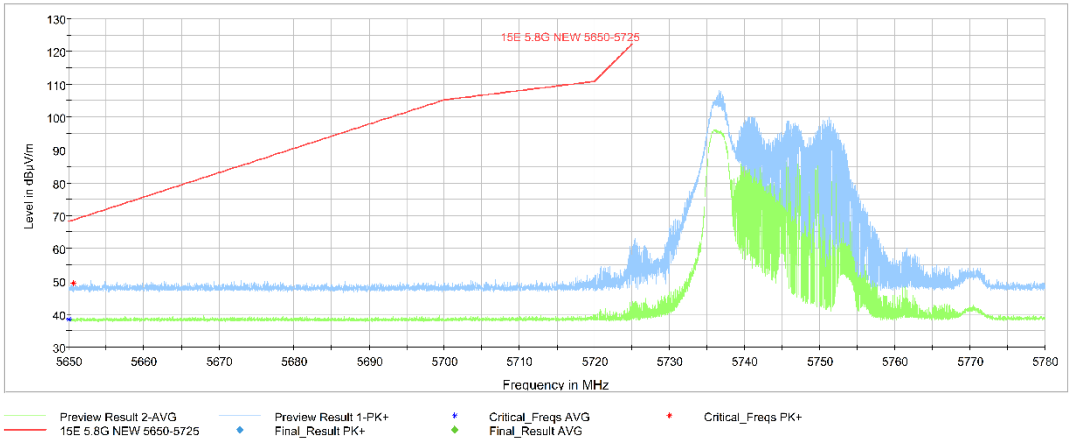


Fig. 31 Band Edges (802.11be-HT20 Ch149 partial RU, MIMO, 5745MHz)

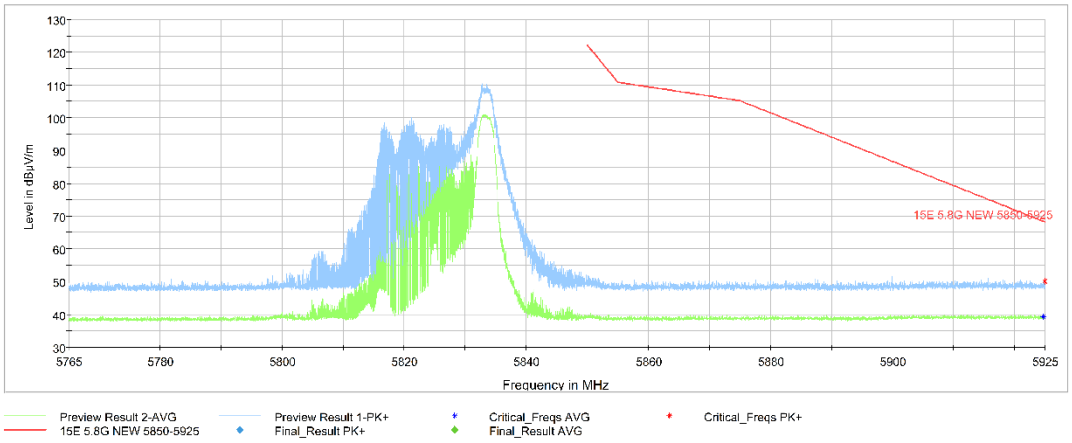


Fig. 32 Band Edges (802.11be-HT20 Ch165 partial RU, MIMO, 5825MHz)

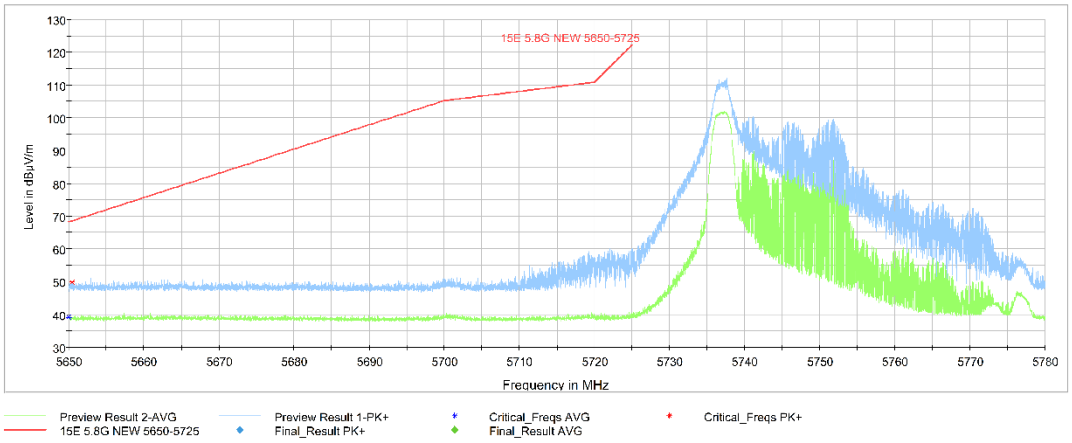


Fig. 33 Band Edges (802.11be-HT40 Ch151 partial RU, MIMO, 5755MHz)

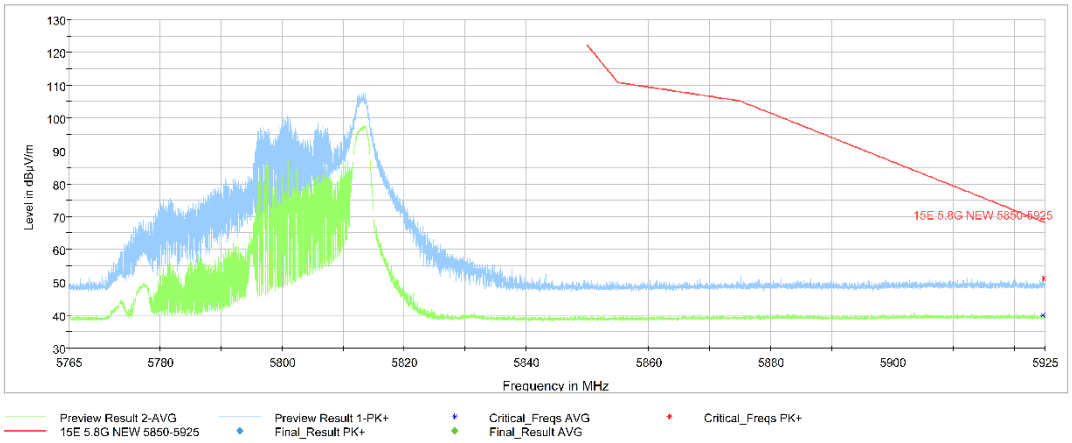


Fig. 34 Band Edges (802.11be-HT40 Ch159 partial RU, MIMO, 5795MHz)

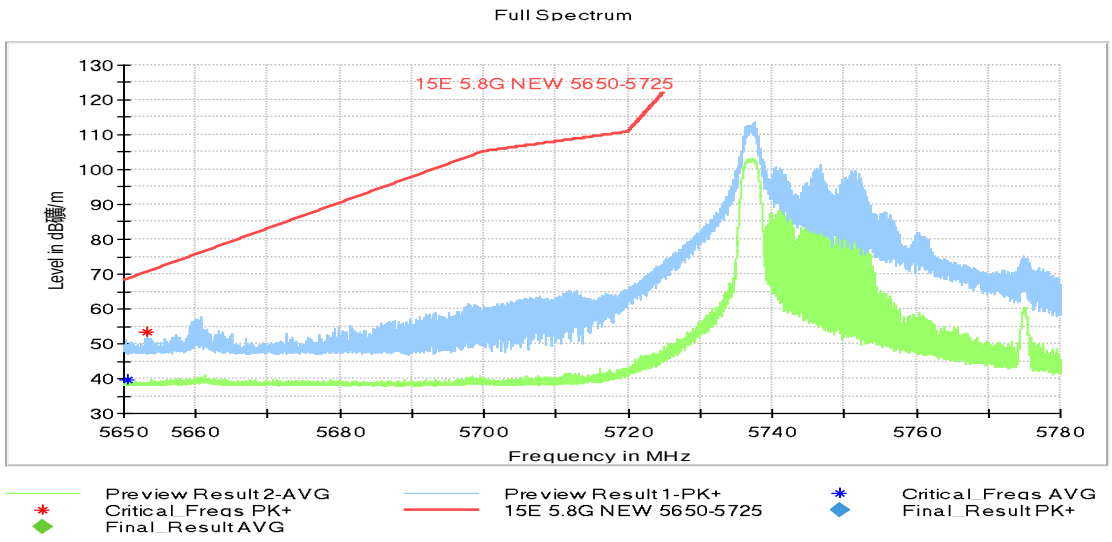


Fig. 35 Band Edges (802.11be-HT80 Ch155-L partial RU, MIMO, 5775MHz)

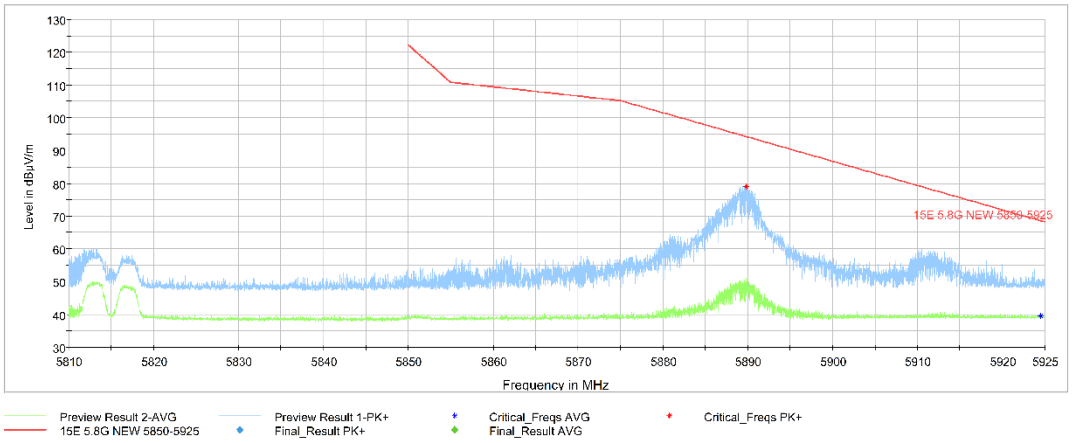


Fig. 36 Band Edges (802.11be-HT80 Ch155-R partial RU, MIMO, 5775MHz)

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 =3.08dB, k=2.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.37	Fig.38	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 (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.37	Fig.38	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:

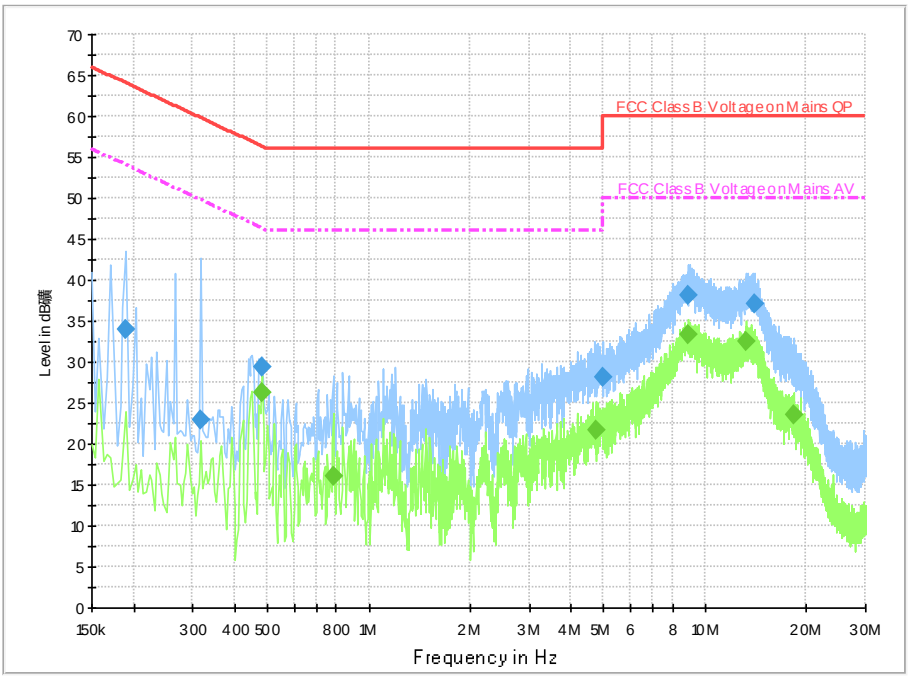


Fig. 37 AC Power line Conducted Emission-802.11a

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)	Comment
0.190000	34.1	2000.	9.000	On	L1	19.7	30.0	64.0	
0.318000	22.8	2000.	9.000	On	N	19.7	36.9	59.8	
0.482000	29.4	2000.	9.000	On	N	19.7	26.9	56.3	
4.970000	28.1	2000.	9.000	On	N	19.6	27.9	56.0	
8.918000	38.1	2000.	9.000	On	N	19.6	21.9	60.0	
13.990000	37.2	2000.	9.000	On	N	19.7	22.8	60.0	

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.482000	26.2	2000.	9.000	On	N	19.7	20.1	46.3	
0.786000	16.1	2000.	9.000	On	L1	19.7	29.9	46.0	
4.722000	21.6	2000.	9.000	On	N	19.6	24.4	46.0	
8.930000	33.4	2000.	9.000	On	N	19.6	16.6	50.0	
13.326000	32.5	2000.	9.000	On	N	19.7	17.5	50.0	
18.338000	23.5	2000.	9.000	On	N	19.7	26.5	50.0	

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

Idle:

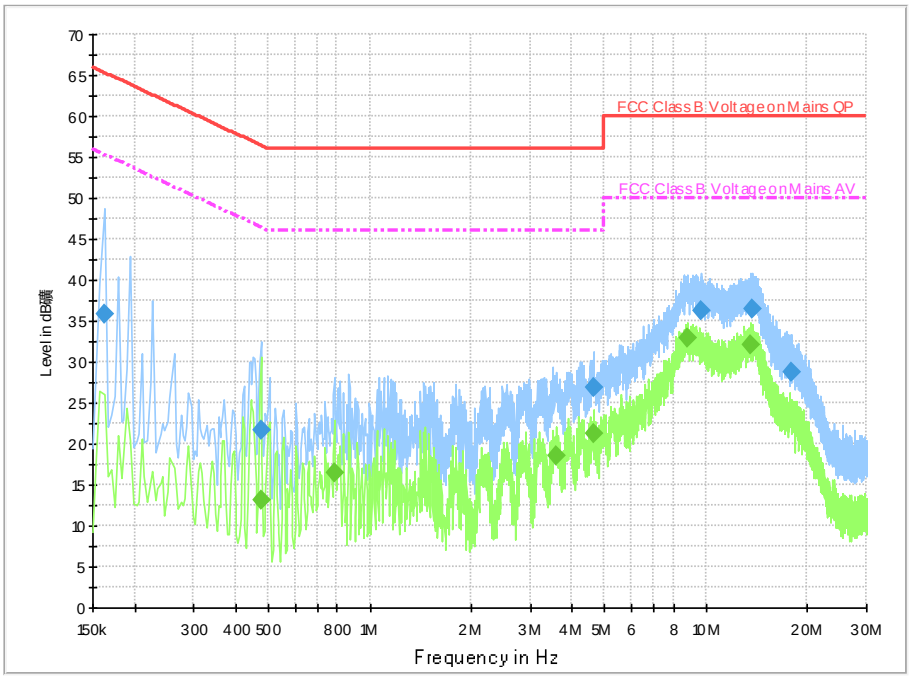


Fig. 38 AC Power line Conducted Emission-Idle

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)	Comment
0.162000	35.9	2000.	9.000	On	N	19.7	29.5	65.4	
0.474000	21.8	2000.	9.000	On	N	19.7	34.7	56.4	
4.626000	26.9	2000.	9.000	On	N	19.6	29.1	56.0	
9.654000	36.3	2000.	9.000	On	N	19.6	23.7	60.0	
13.778000	36.4	2000.	9.000	On	N	19.7	23.6	60.0	
17.954000	28.8	2000.	9.000	On	N	19.7	31.2	60.0	

Final Result 2

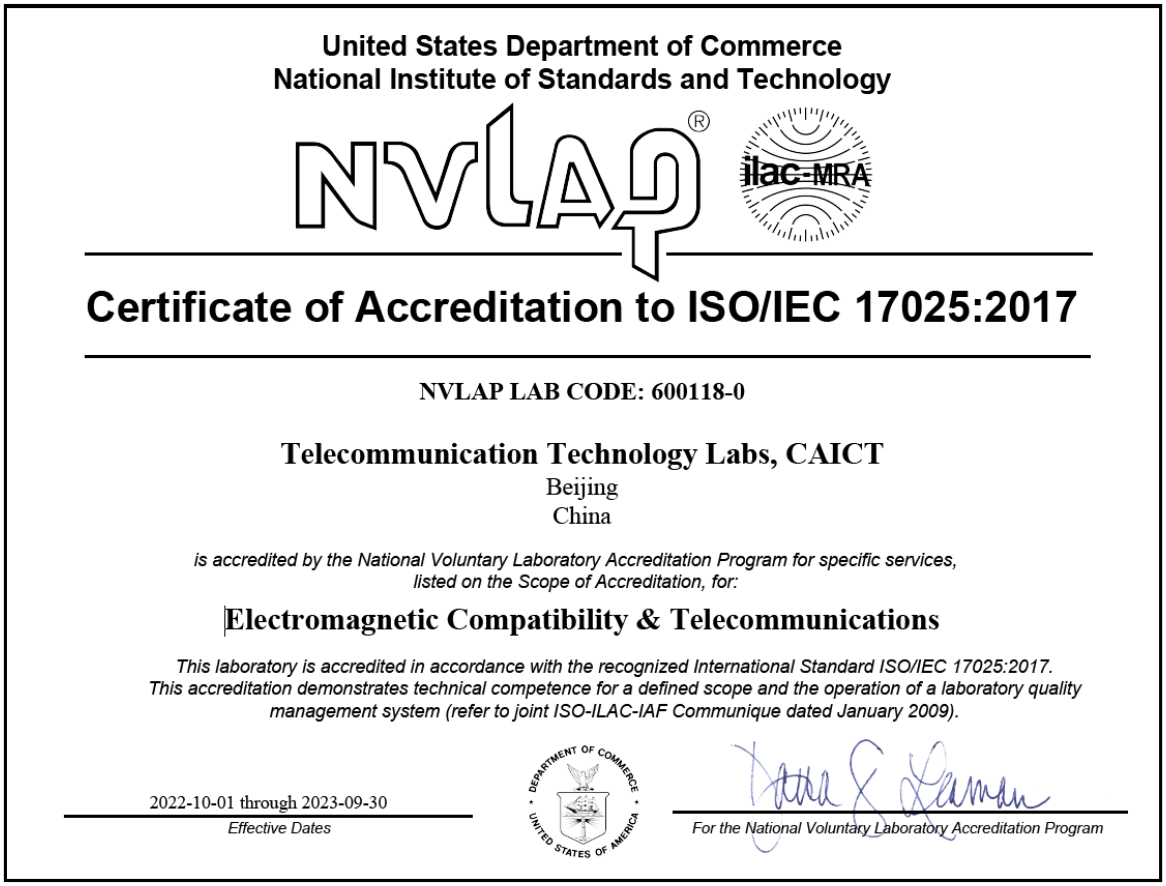
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.474000	13.1	2000.0	9.000	On	N	19.7	33.4	46.4	
0.786000	16.4	2000.0	9.000	On	L1	19.7	29.6	46.0	
3.582000	18.5	2000.0	9.000	On	N	19.6	27.5	46.0	
4.626000	21.3	2000.0	9.000	On	N	19.6	24.7	46.0	
8.814000	33.0	2000.0	9.000	On	N	19.6	17.0	50.0	
13.514000	32.1	2000.0	9.000	On	N	19.7	17.9	50.0	

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

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



United States Department of Commerce
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NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2022-10-01 through 2023-09-30
Effective Dates

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Voluntary Laboratory Accreditation Program

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