



FCC PART 15 TEST REPORT No. I22Z62328-EMC05

for

Honor Device Co., Ltd.

Smart Phone

Model Name: RBN-NX1

FCC ID: 2AYGCRBN-NX1

with

Hardware Version: HN2VNEM

Software Version: 6.1.0.9(C900E9R1P1)

Issued Date: 2023-01-12

Note:

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No.I22Z62328-EMC05

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z62328-EMC05	Rev.0	1st edition	2023-01-12

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1. TEST LABORATORY

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2005 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 (CN0066). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Radiated testing Location: 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 data

Testing Start Date: 2023-01-06

Testing End Date: 2023-01-12

1.5. Signature

Zhang Ying
(Prepared this test report)

An Hui
(Reviewed this test report)

Shi Suolan
(Approved this test report)



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2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Honor Device Co., Ltd.
Suite 3401,Unit A,Building 6,Shum Yip Sky Park,No.8089,Hongli
Address: West Road,Xiangmihu Street,Futian District,Shenzhen,Guangdong
518040,People's Republic of China
City: /
Postal Code: /
Country: /
Telephone: /
Fax: /

2.2. Manufacturer Information

Company Name: Honor Device Co., Ltd.
Suite 3401,Unit A,Building 6,Shum Yip Sky Park,No.8089,Hongli
Address: West Road,Xiangmihu Street,Futian District,Shenzhen,Guangdong
518040,People's Republic of China
City: /
Postal Code: /
Country: /
Telephone: /
Fax: /

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Smart Phone
Model name	RBN-NX1
FCC ID	2AYGCRBN-NX1

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
UT08a	868648060015002/868648060049043	HN2VNEM	6.1.0.9(C900E9R1P1)
UT05a	868648060011795/868648060045835	HN2VNEM	6.1.0.9(C900E9R1P1)
UT07a	868648060010565/868648060044606	HN2VNEM	6.1.0.9(C900E9R1P1)
UT06a	868648060014021/868648060048060	HN2VNEM	6.1.0.9(C900E9R1P1)

*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*	Name	Model	Manufacturer
AE1-1	Adapter	HN-100225U00	Salcomp
AE1-2	Adapter	HN-100225E00	Salcomp
AE1-3	Adapter	HW-100225U00	Huntkey
AE1-4	Adapter	HW-100225E00	Huntkey
AE1-5	Adapter	HW-100225B00	Huntkey
AE2-1	USB Cable	CUDU01B-HC451-EH	Fuding Precision Components (Shenzhen) Co., Ltd.
AE2-2	USB Cable	AU2-CRO013 HF	Freeport Ji an Electronics Co.,Ltd.
AE2-3	USB Cable	L125UC007-CS-H	Luxshare Precision Industry Co.,Ltd.
AE2-4	USB Cable	2120-00001-0	Guangdong Mingji Hi-Tech Electronics Co.,Ltd.
AE2-5	USB Cable	RY0002	Guangxi Broad Telecommunication Co.,Ltd.
AE3-1	Headset	1293-3283-3.5mm-339	BOLUO COUNTY QUANCHENG ELECTRONIC CO.,LTD.
AE3-2	Headset	EPAB542-2WH05-DH	FOXCONN INTERCONNECT TECHNOLOGY LIMITED
AE3-3	Headset	MEND1532B528A11	Jiangxi Lianchuang Hongsheng Electronic Co., LTD.
AE4-1	Battery	HB496590EFW	SCUD
AE4-2	Battery	HB496590EFW-F	SCUD
AE4-3	Battery	HB496590EFW	NVT



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AE4-4 Battery HB496590EFW-F NVT

*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 Smart Phone with integrated antenna.

It has MP3, MP4, Camera, USB memory, Bluetooth 5.1, Wi-Fi (802.11b/g/n/ac) , GNSS functions.

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

Samples undergoing test were selected by the client.

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

3.5. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor $k=2$.

Measurement Uncertainty

Parameter	Uncertainty
temperature	0.48°C
humidity	2 %
DC voltages	0.003V

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	Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices	2018
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12

5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. SUMMARY OF TEST RESULTS

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15E	Sub-clause of IC	Verdict
Band edge compliance	15.209	/	P
Transmitter spurious emissions radiated	15.407	/	P
AC Power line Conducted Emission	15.407, 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.



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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	LISN	ENV216	101200	Rohde & Schwarz	1 year	2023-06-29
2	Test Receiver	ESCI 7	100344	Rohde & Schwarz	1 year	2023-02-21

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Loop Antenna	HFH2-Z2	829324/007	R&S	2 years	2023-12-22
2	EMI Antenna	3115	00167250	ETS-Lindgren	1 year	2023-06-20
3	EMI Antenna	VULB9163	01223	Schwarzbeck	1 year	2023-07-25
4	Test Receiver	ESW44	103015	Rohde & Schwarz	2022-01-24	2023-01-23
5	EMI Antenna	3115	00167250	ETS-Lindgren	2022-06-21	2023-06-20

8. Measurement Uncertainty

8.1. Spurious Emissions

Radiated (k=2)

Frequency Range	Uncertainty(dB) (k=2)
9kHz-30MHz	4.92
30MHz ≤ f ≤ 1GHz	5.15
1GHz ≤ f ≤ 18GHz	5.54
18GHz ≤ f ≤ 40GHz	5.26

8.2. AC Power-line Conducted Emission

Measurement Uncertainty : 3.08,k=2

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

A.1.1. Radiated Emission Measurements

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

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

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

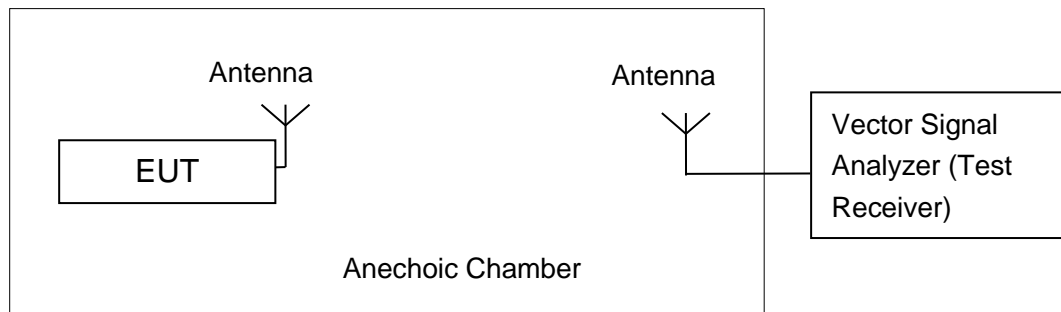


Fig.A.1.1.1: Test Setup Diagram for Radiated Measurements

A.2. Band Edges Compliance

A.2.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407 RSS-247, 6.2	(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

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

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

The measurement is made according to ANSI C63.10-2013 and KDB 789033

Measurement Result:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.1	P
	5200 MHz	Fig.2	P
	5300 MHz	Fig.3	P
	5320 MHz	Fig.4	P
	5500 MHz	Fig.5	P
	5520 MHz	Fig.6	P
	5660 MHz	Fig.7	P
	5680 MHz	Fig.8	P
802.11n HT20	5180 MHz	Fig.10	P
	5200 MHz	Fig.11	P
	5300 MHz	Fig.12	P
	5320 MHz	Fig.13	P
	5500 MHz	Fig.14	P
	5520 MHz	Fig.15	P
	5660 MHz	Fig.16	P
	5680 MHz	Fig.17	P
	5700 MHz	Fig.18	P

802.11ac HT20	5180 MHz	Fig.19	P
	5200 MHz	Fig.20	P
	5300 MHz	Fig.21	P
	5320 MHz	Fig.22	P
	5500 MHz	Fig.23	P
	5520 MHz	Fig.24	P
	5660 MHz	Fig.25	P
	5680 MHz	Fig.26	P
	5700 MHz	Fig.27	P
802.11n HT40	5190 MHz	Fig.28	P
	5230 MHz	Fig.29	P
	5270 MHz	Fig.30	P
	5310 MHz	Fig.31	P
	5510 MHz	Fig.32	P
	5550 MHz	Fig.33	P
	5630 MHz	Fig.34	P
	5670 MHz	Fig.35	P
802.11ac HT40	5190 MHz	Fig.36	P
	5230 MHz	Fig.37	P
	5270 MHz	Fig.38	P
	5310 MHz	Fig.39	P
	5510 MHz	Fig.40	P
	5550 MHz	Fig.41	P
	5630 MHz	Fig.42	P
	5670 MHz	Fig.43	P
802.11ac HT80	5210MHz	Fig.44	P
	5290MHz	Fig.45	P
	5530MHz	Fig.46	P
	5610MHz	Fig.47	P

Worst case:

EUT set-up No.	Combination of EUT and AE
Set.1-1	UT08a + AE1-1 + AE2-1

Conclusion: PASS
Test graphs as below:

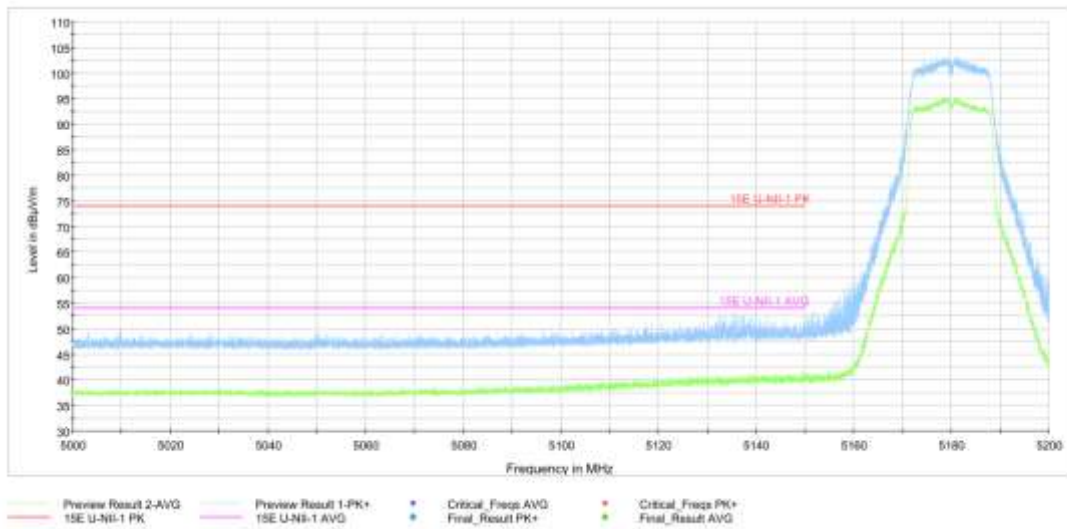


Fig. 1 Band Edges (802.11a Ch36, 5180MHz)

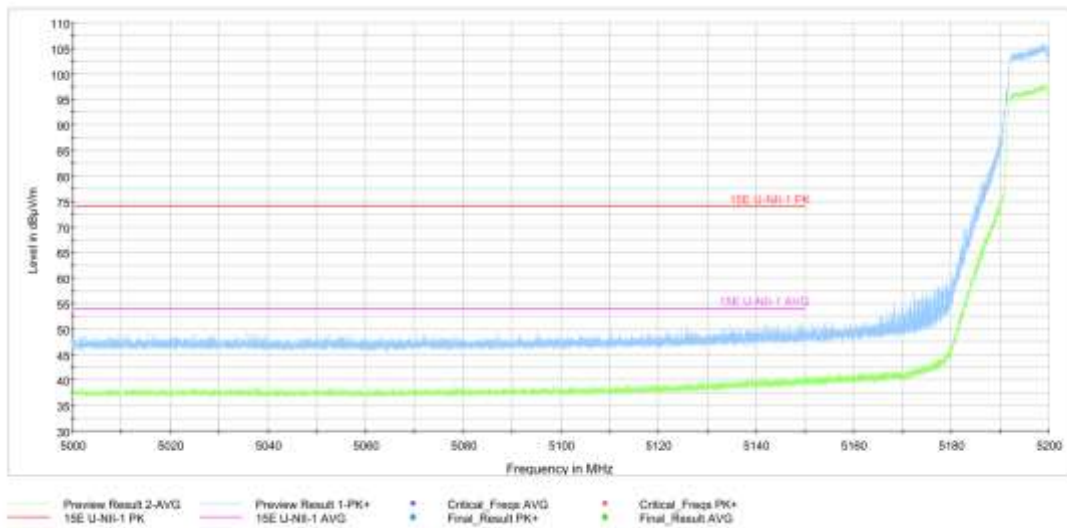


Fig. 2 Band Edges (802.11a Ch40, 5200MHz)

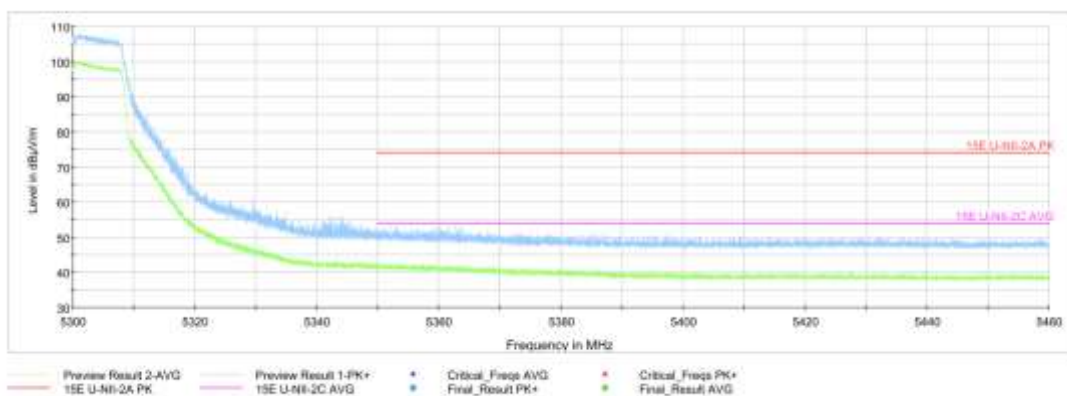


Fig. 3 Band Edges (802.11a Ch60, 5300MHz)

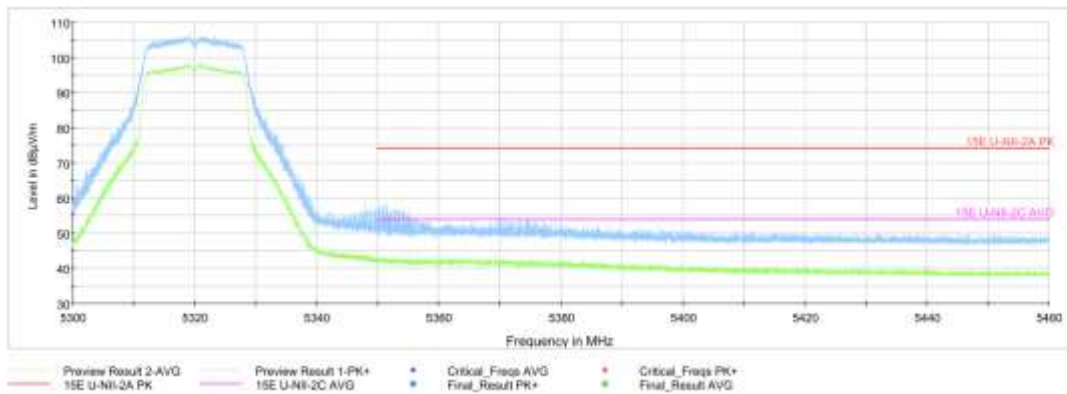


Fig. 4 Band Edges (802.11a Ch64, 5320MHz)

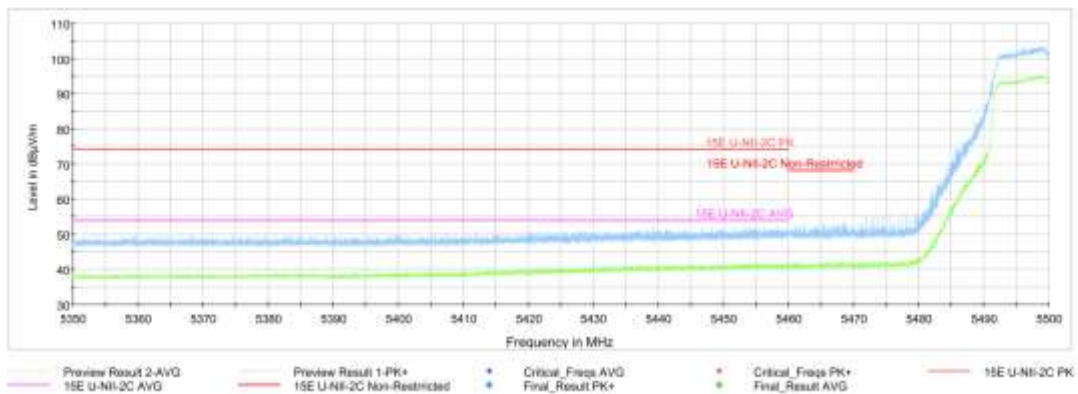


Fig. 5 Band Edges (802.11a Ch100, 5500MHz)

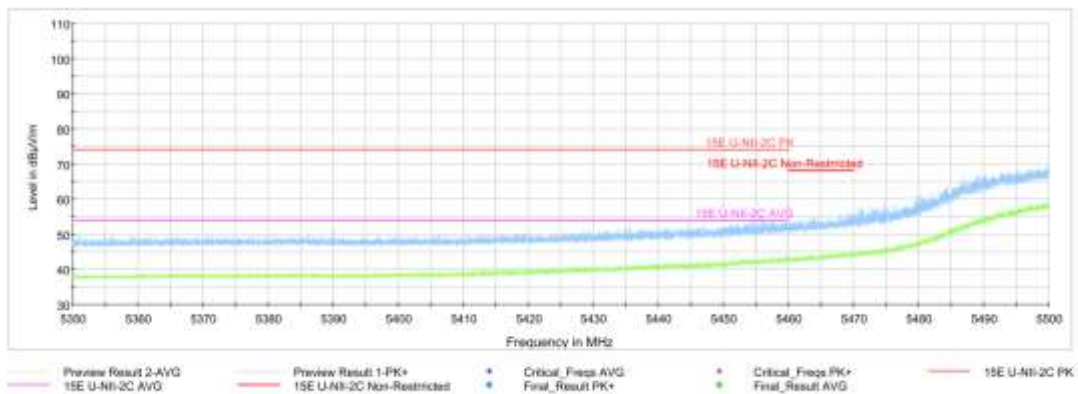


Fig. 6 Band Edges (802.11a Ch104, 5520MHz)

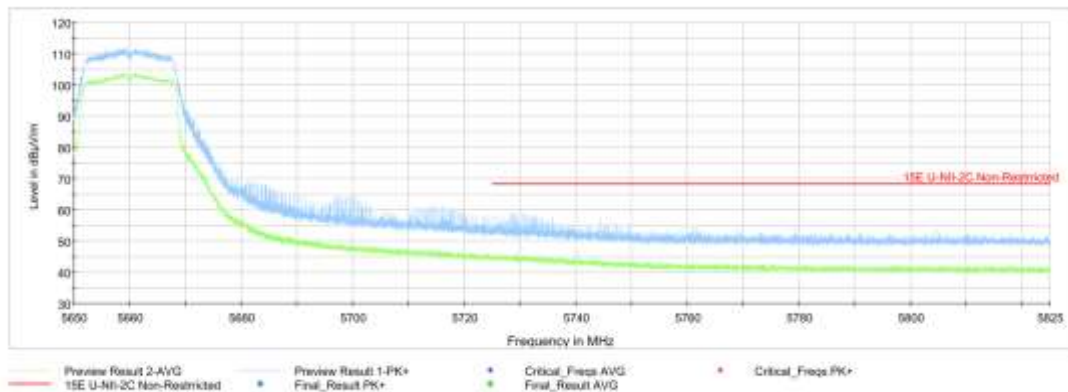


Fig. 7 Band Edges (802.11a Ch132, 5660MHz)

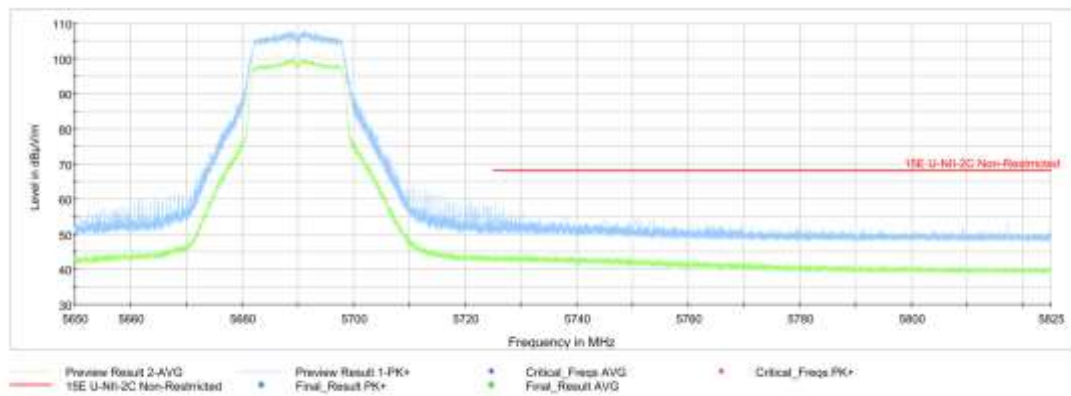


Fig. 8 Band Edges (802.11a Ch136, 5680MHz)

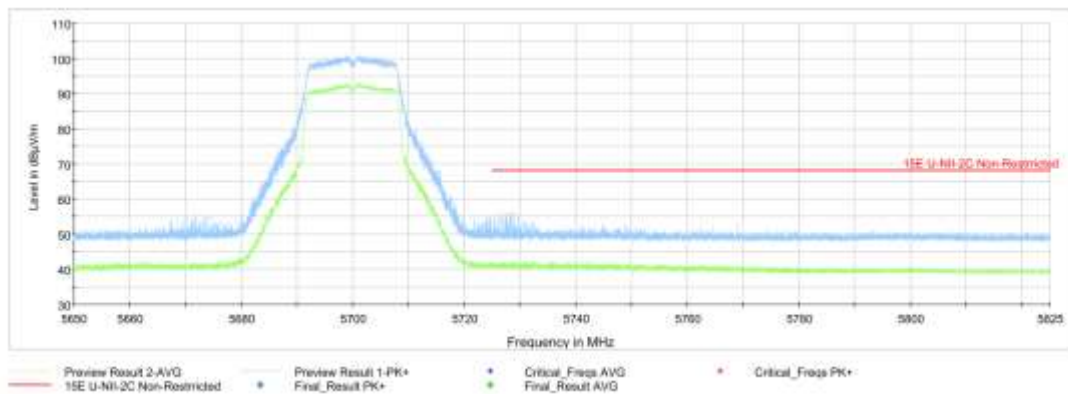


Fig. 9 Band Edges (802.11a Ch140, 5700MHz)

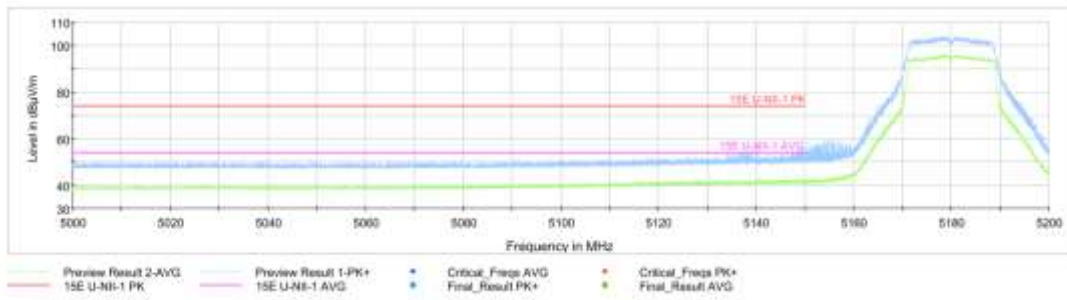


Fig. 10 Band Edges (802.11n-HT20 Ch36, 5180MHz)

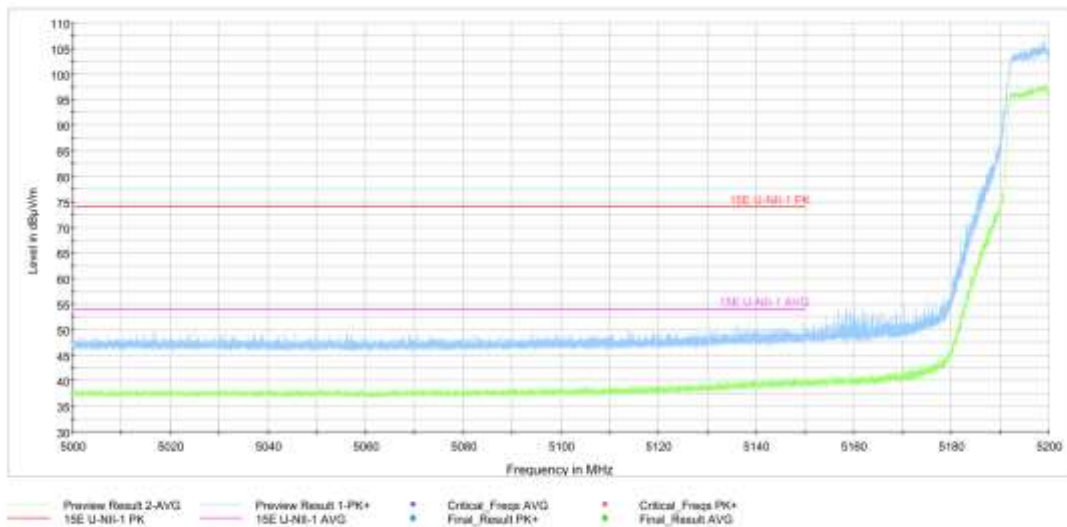


Fig. 11 Band Edges (802.11n-HT20 Ch40, 5220MHz)

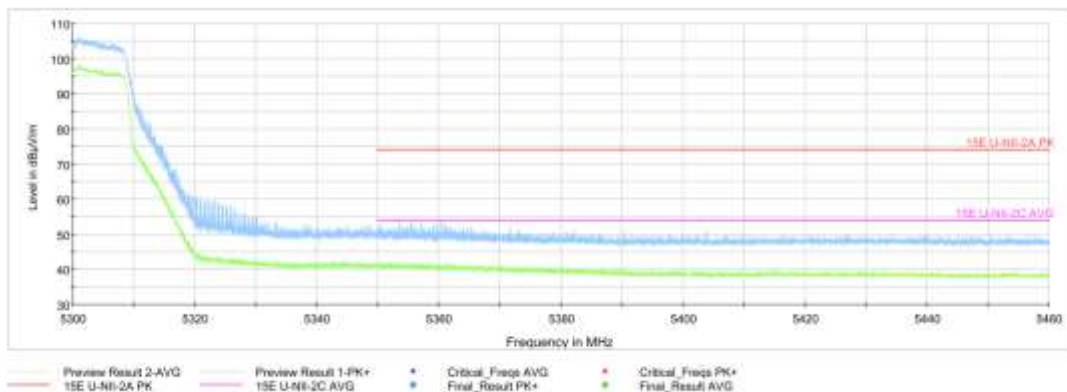


Fig. 12 Band Edges (802.11n-HT20 Ch60, 5300MHz)

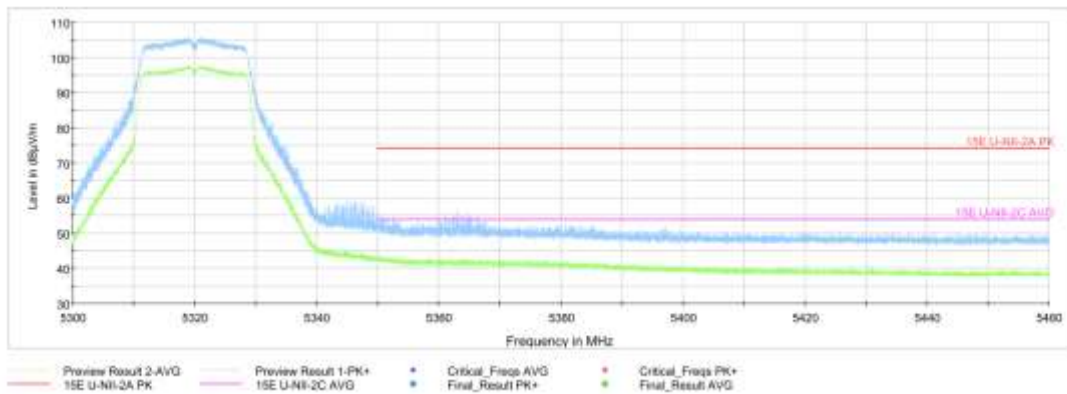


Fig. 13 Band Edges (802.11n-HT20 Ch64, 5320MHz)

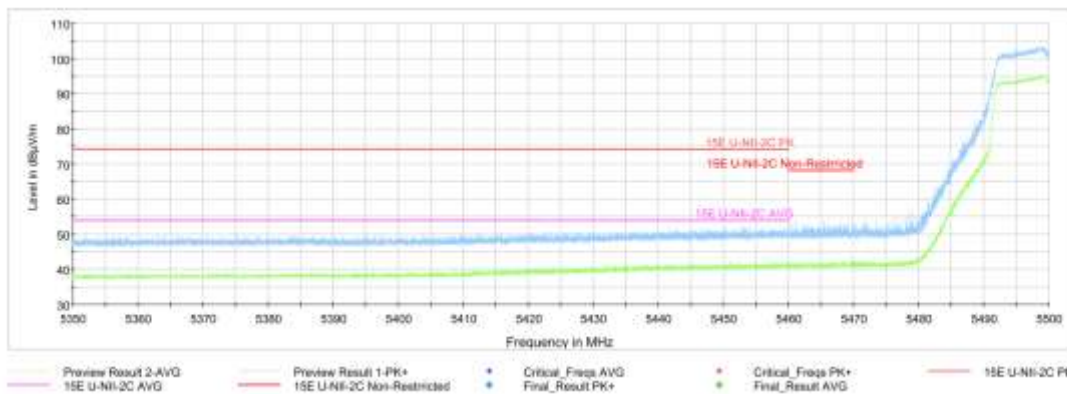


Fig. 14 Band Edges (802.11n-HT20 Ch100, 5500MHz)

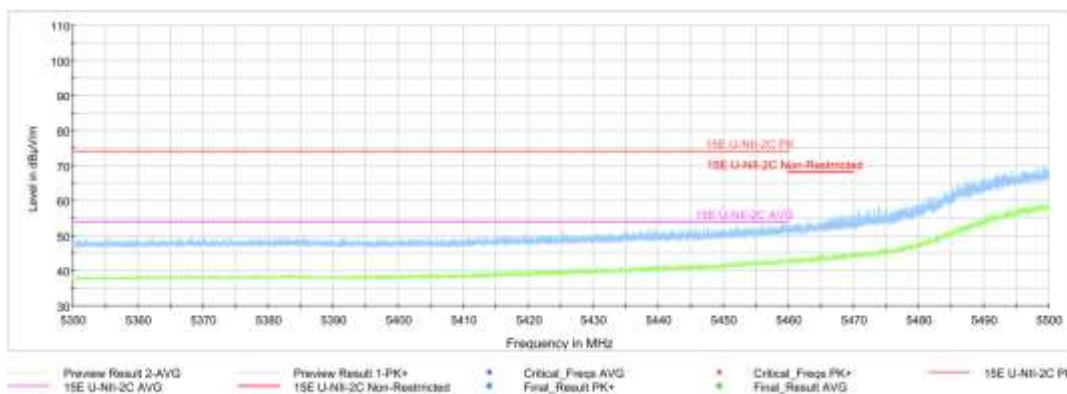


Fig. 15 Band Edges (802.11n-HT20 Ch104, 5520MHz)

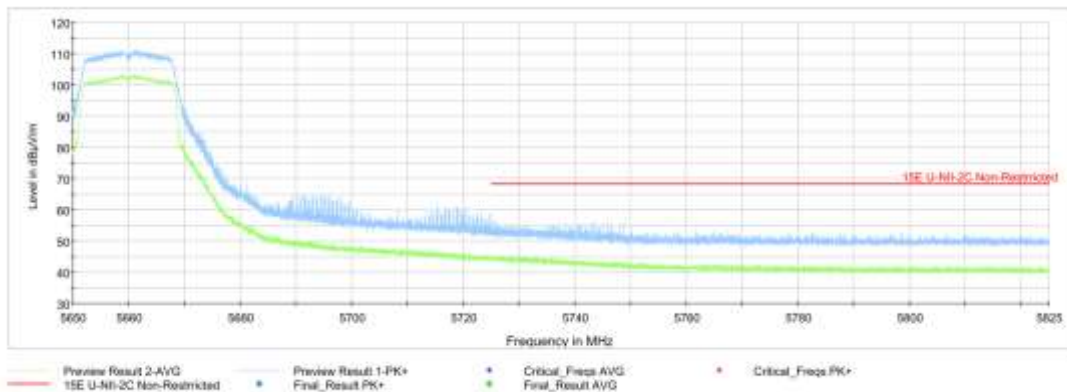


Fig. 16 Band Edges (802.11n-HT20 Ch132, 5660MHz)

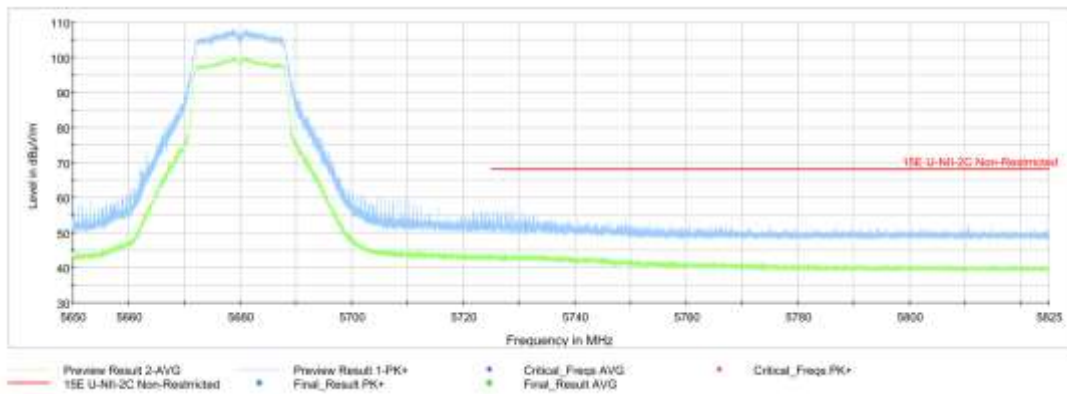


Fig. 17 Band Edges (802.11n-HT20 Ch136, 5680MHz)

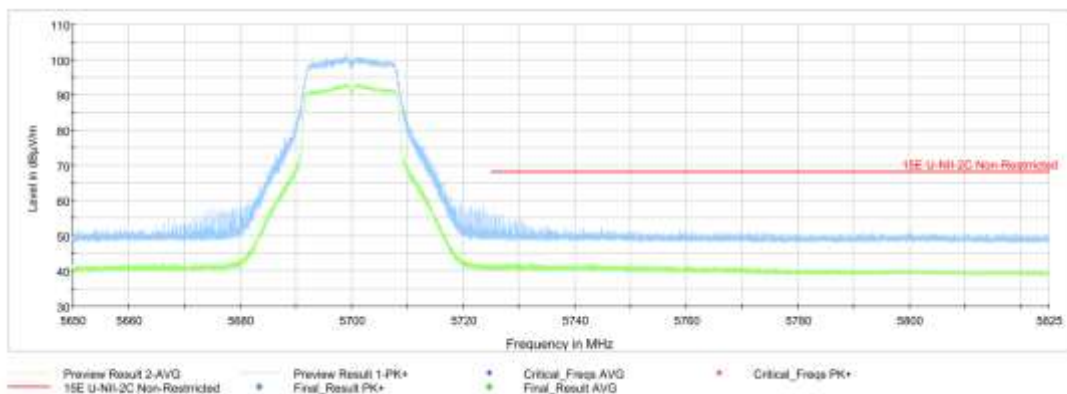


Fig. 18 Band Edges (802.11n-HT20 Ch140, 5700MHz)

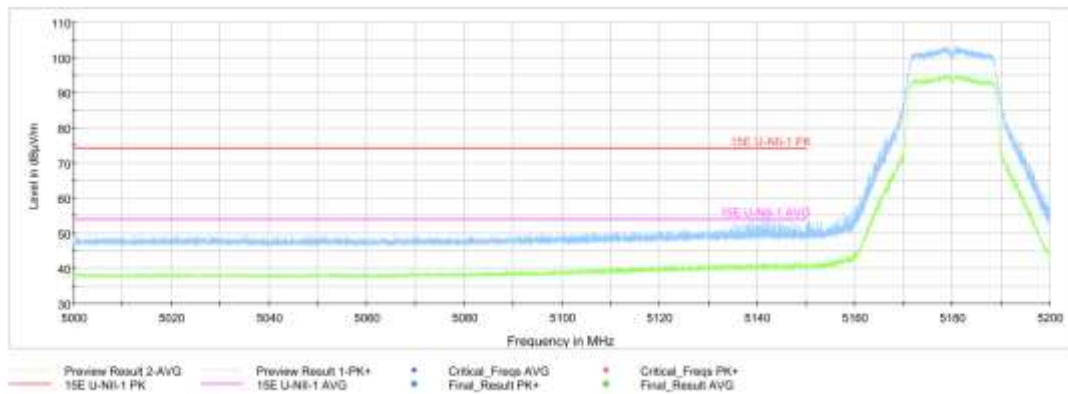


Fig. 19 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

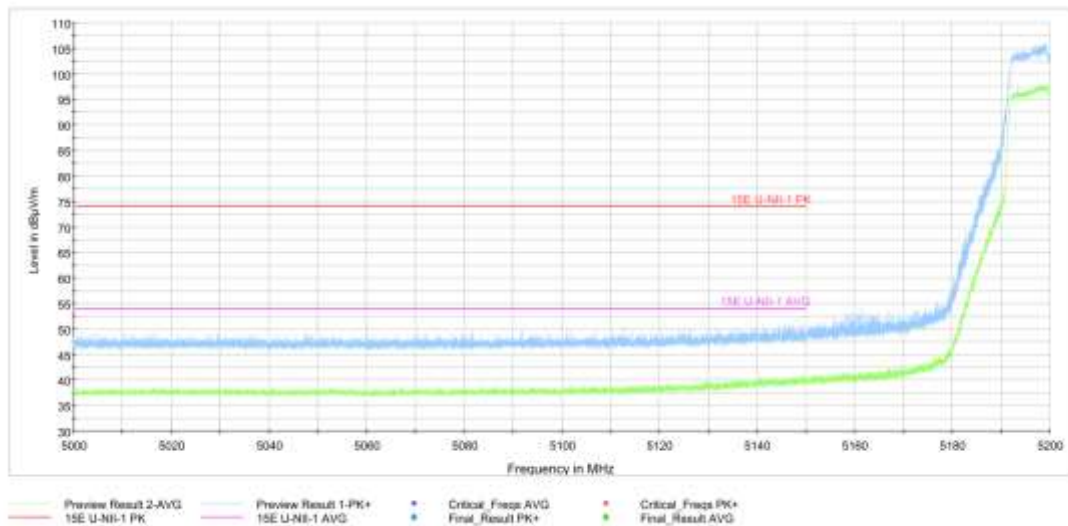


Fig. 20 Band Edges (802.11ac-HT20 Ch40, 5200MHz)

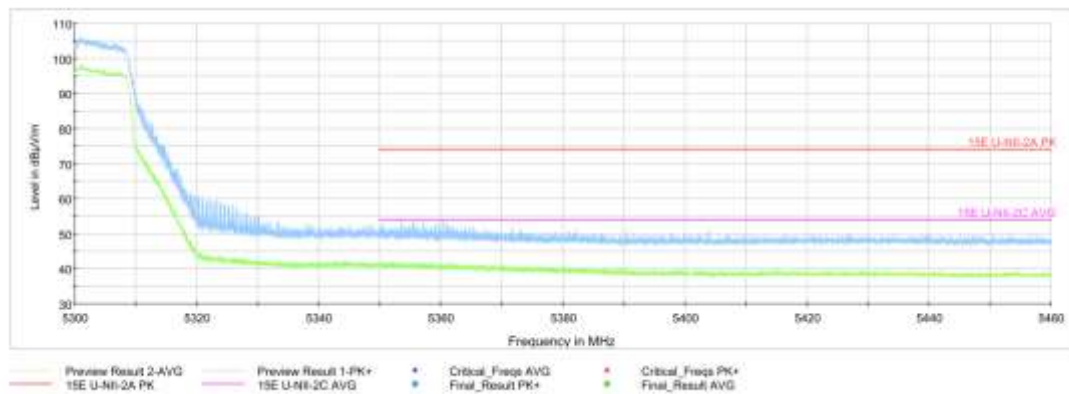


Fig. 21 Band Edges (802.11ac-HT20 Ch60, 5300MHz)

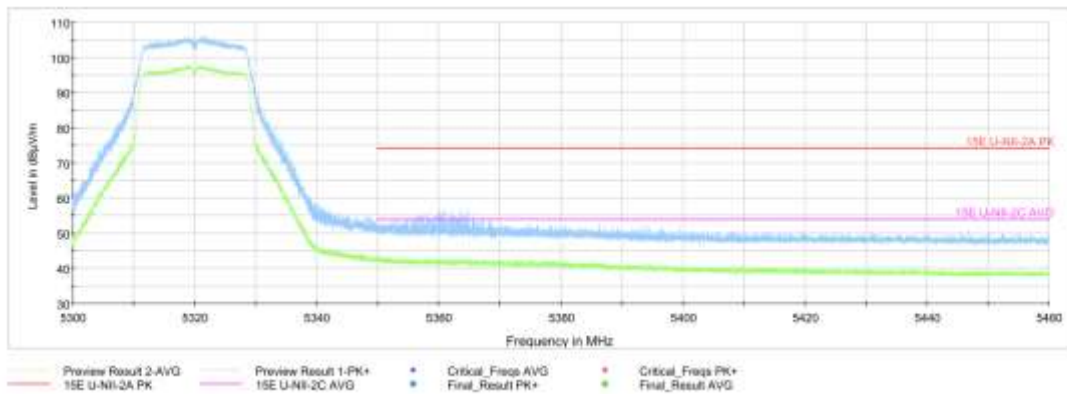


Fig. 22 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

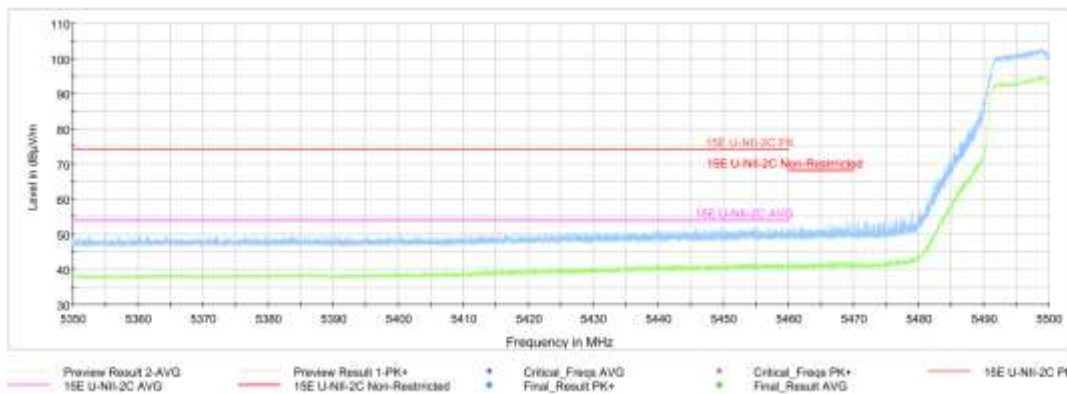


Fig. 23 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

Full Spectrum

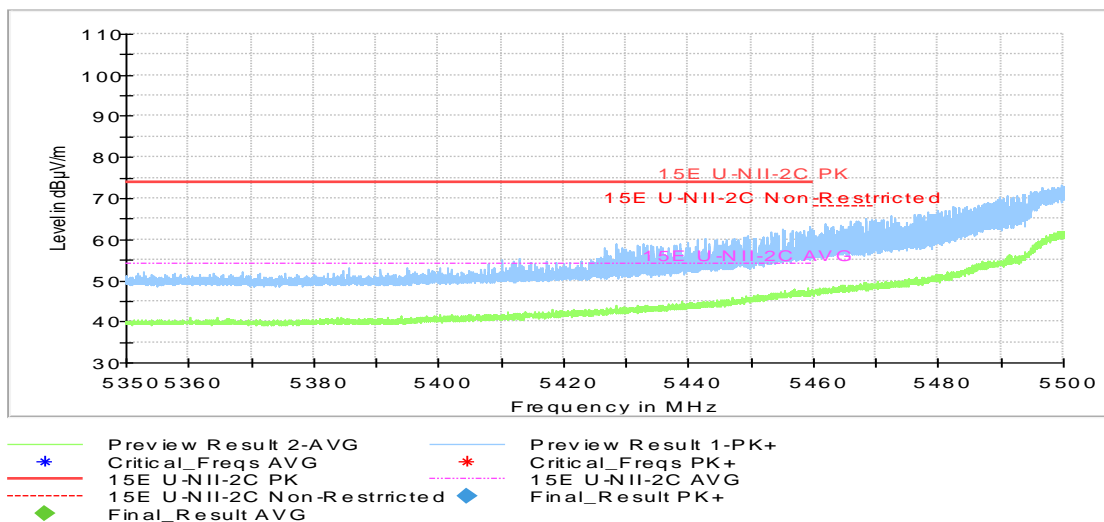


Fig. 24 Band Edges (802.11ac-HT20 Ch104, 5520MHz)

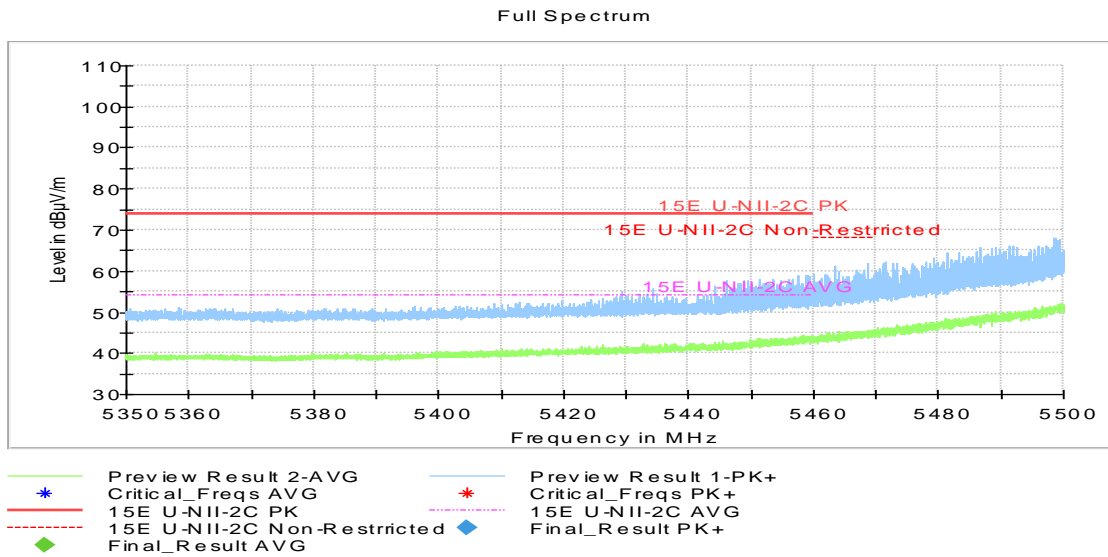


Fig. 25 Band Edges (802.11ac-HT20 Ch108, 5540MHz)

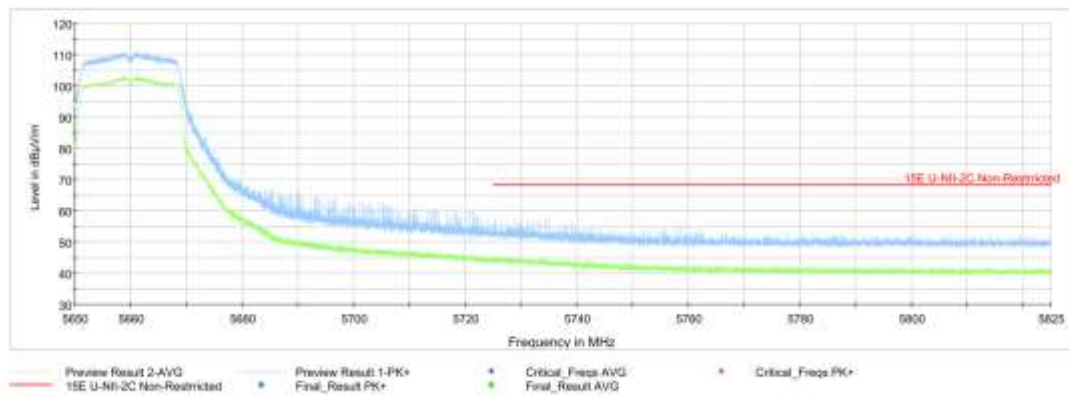


Fig. 26 Band Edges (802.11ac-HT20 Ch132, 5560MHz)

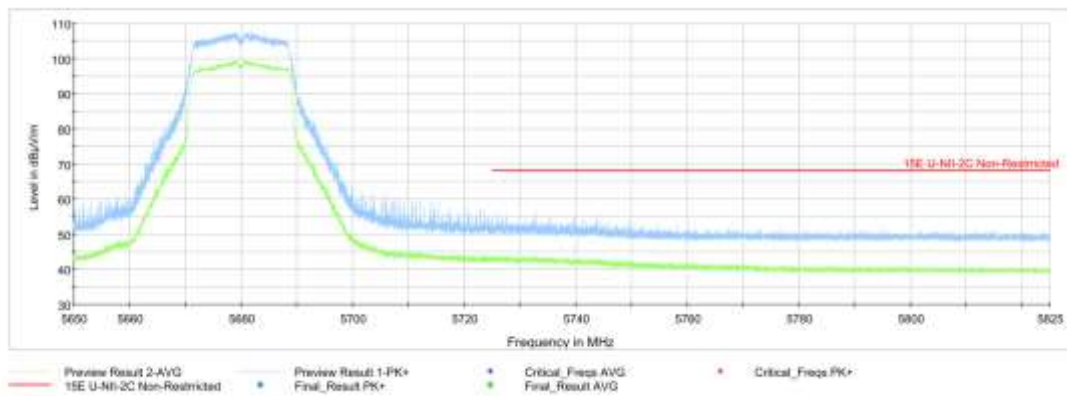


Fig. 27 Band Edges (802.11ac-HT20 Ch136, 5680MHz)

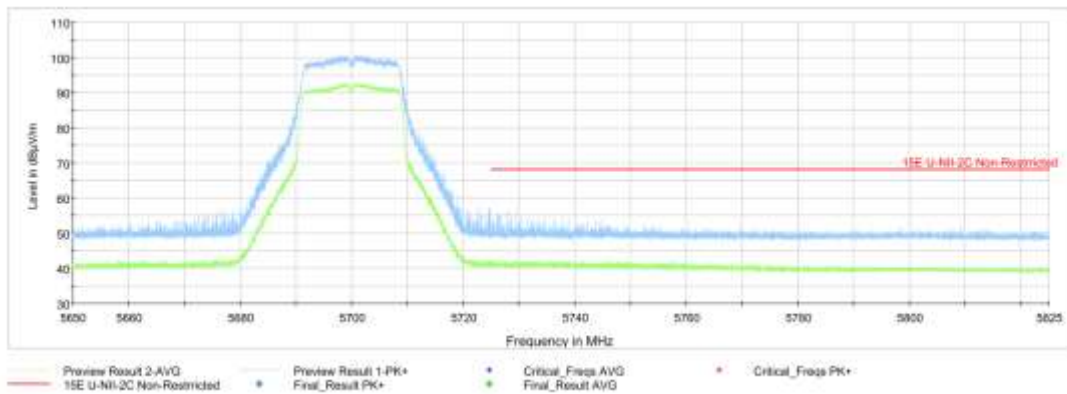


Fig. 28 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

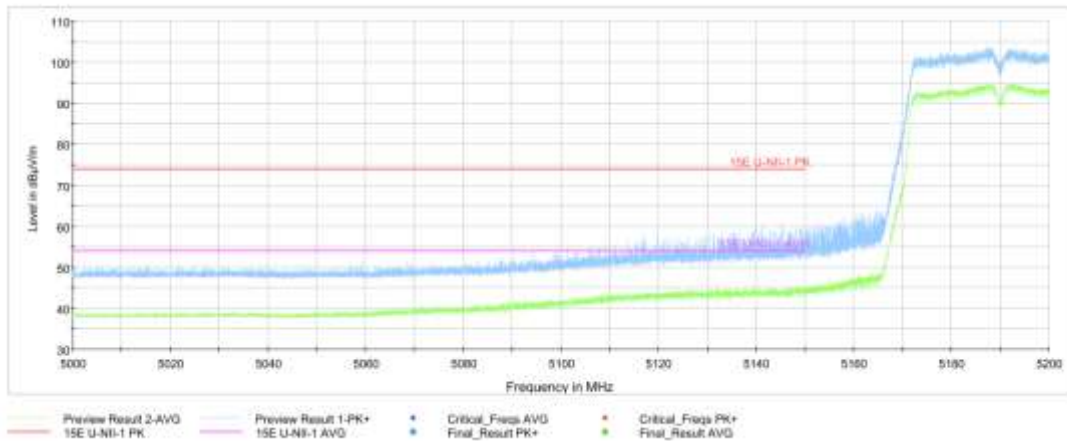


Fig. 29 Band Edges (802.11n-HT40 Ch38, 5190MHz)

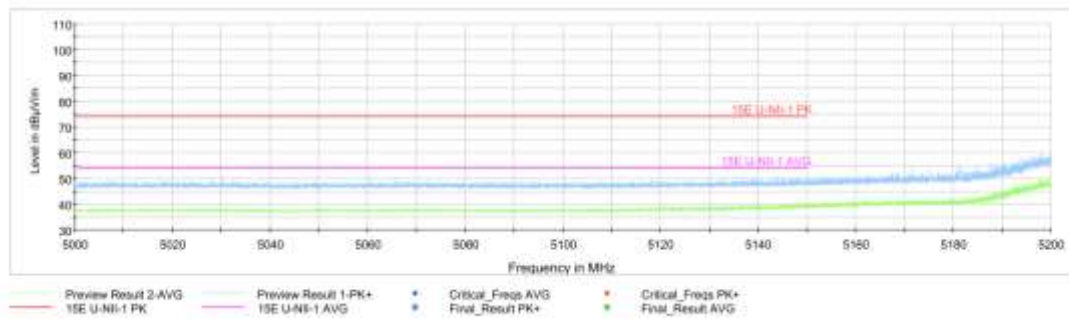


Fig. 30 Band Edges (802.11n-HT40 Ch46, 5230MHz)

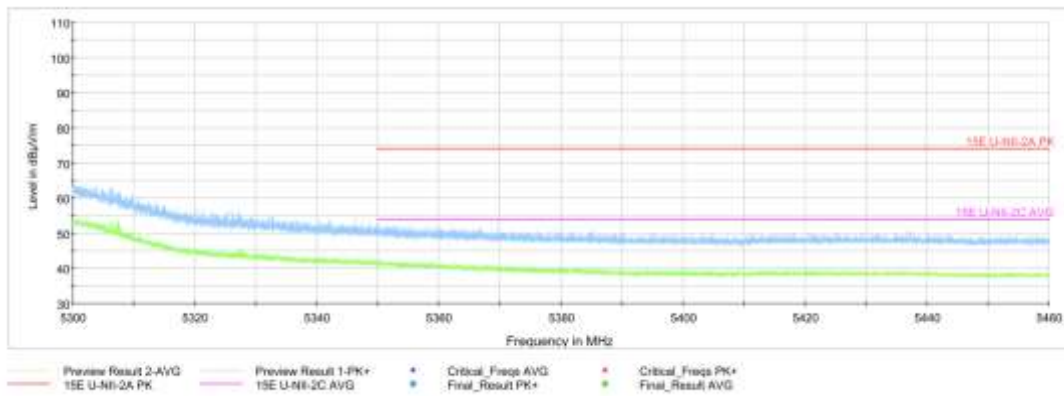


Fig. 31 Band Edges (802.11n-HT40 Ch54, 5270MHz)

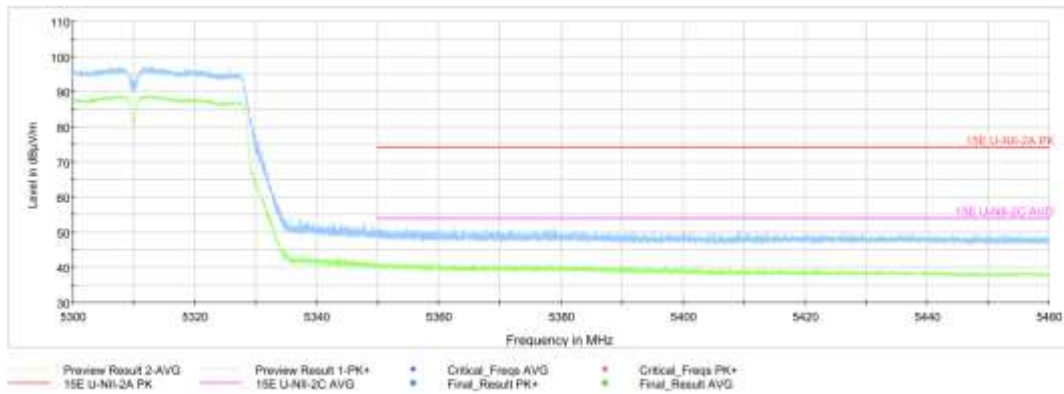


Fig. 32 Band Edges (802.11n-HT40 Ch62, 5310MHz)

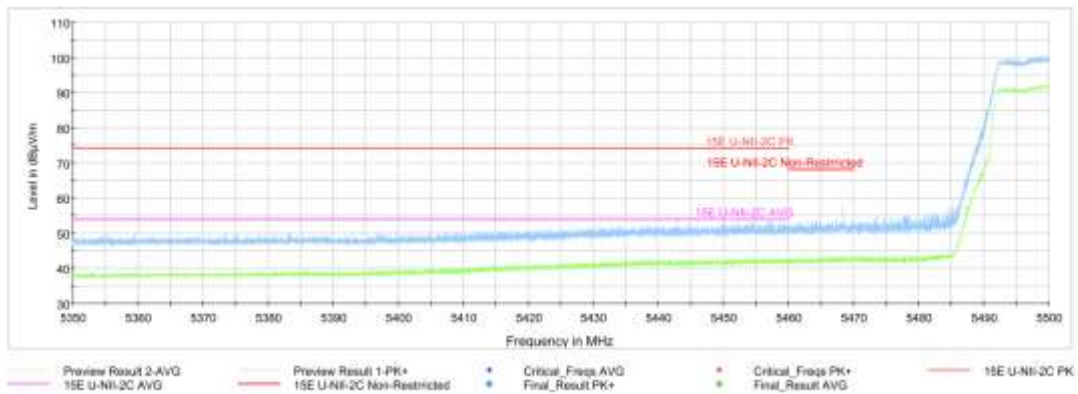


Fig. 33 Band Edges (802.11n-HT40 Ch102, 5510MHz)

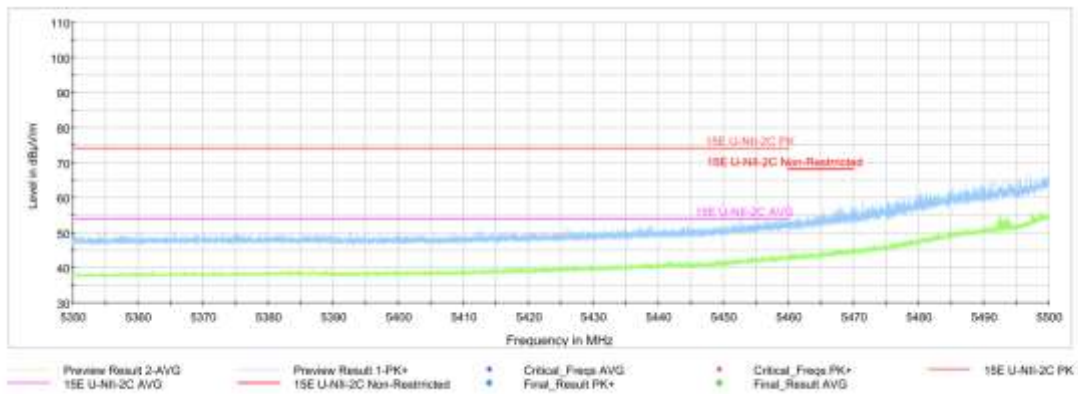


Fig. 34 Band Edges (802.11n-HT40 Ch110, 5550MHz)

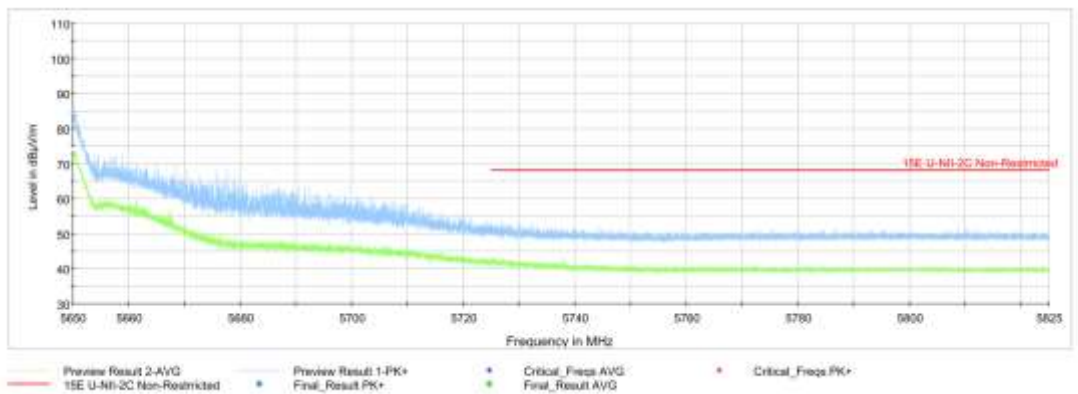


Fig. 35 Band Edges (802.11n-HT40 Ch126, 5630MHz)

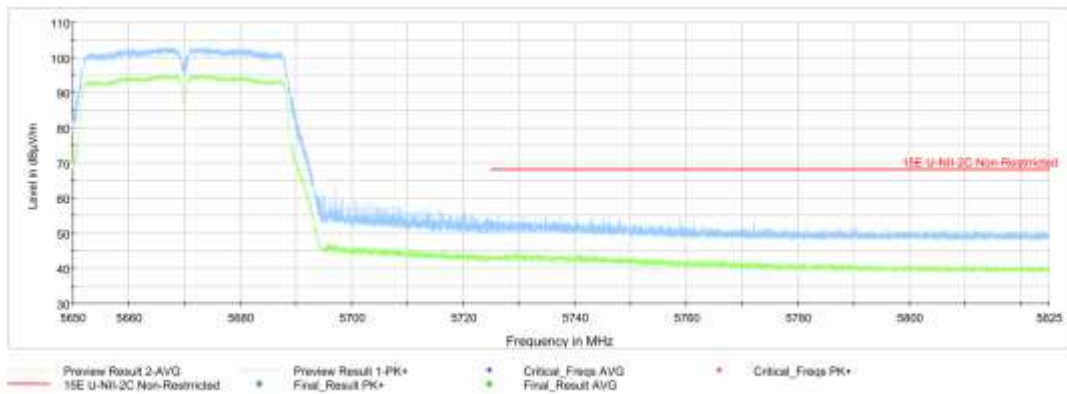


Fig. 36 Band Edges (802.11n-HT40 Ch134, 5670MHz)

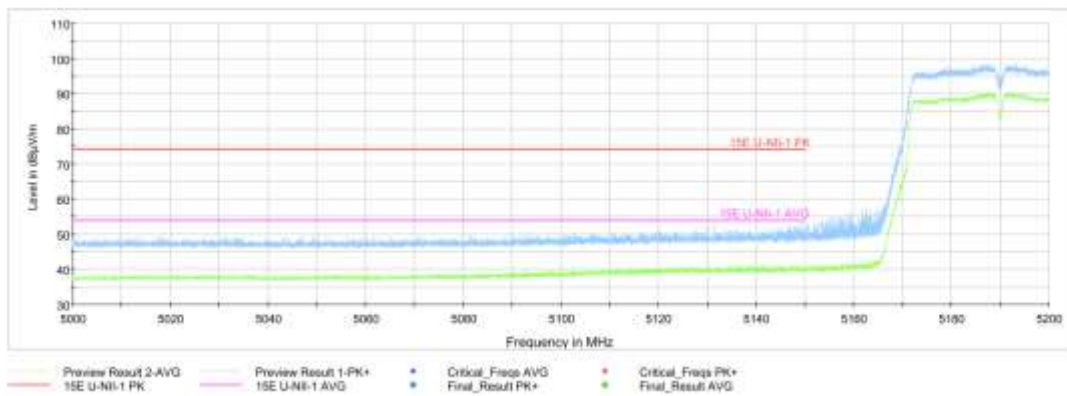


Fig. 37 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

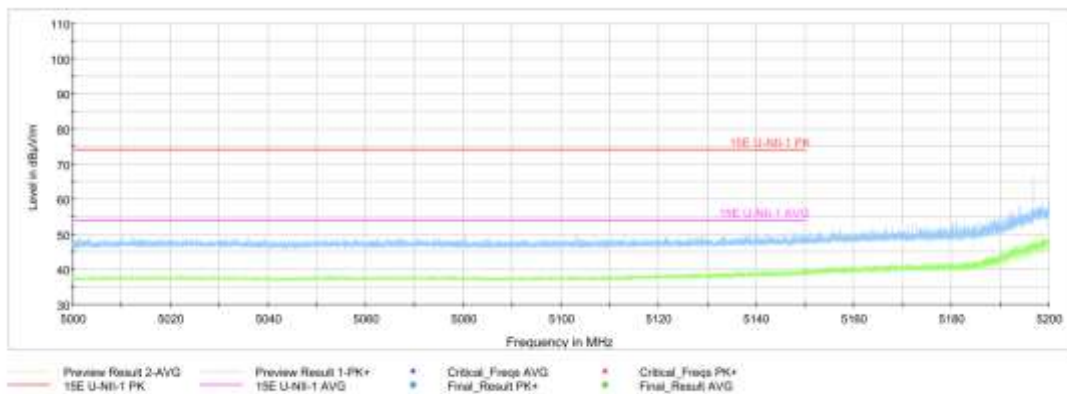


Fig. 38 Band Edges (802.11ac-HT40 Ch46, 5250MHz)

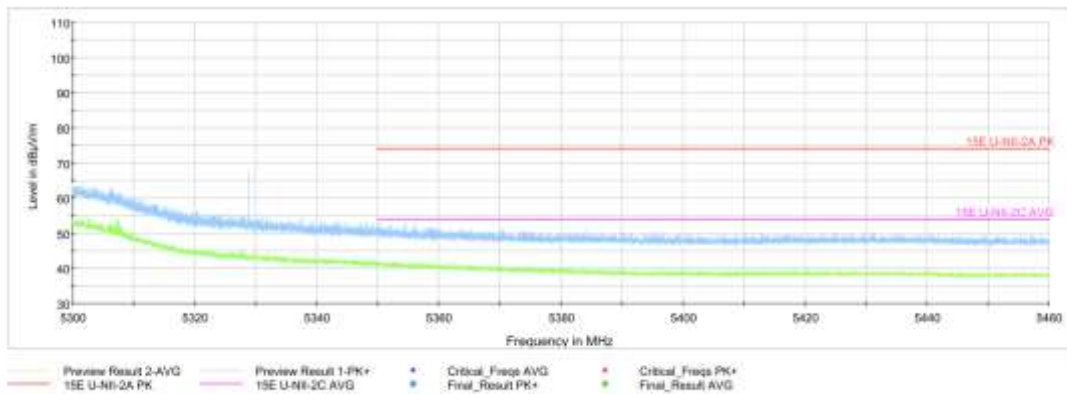


Fig. 39 Band Edges (802.11ac-HT40 Ch54, 5270MHz)

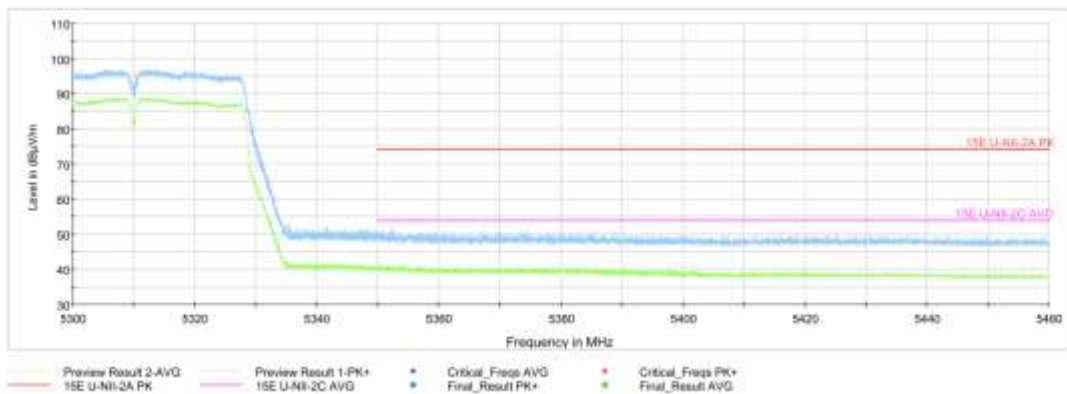


Fig. 40 Band Edges (802.11ac-HT40 Ch62, 5310MHz)

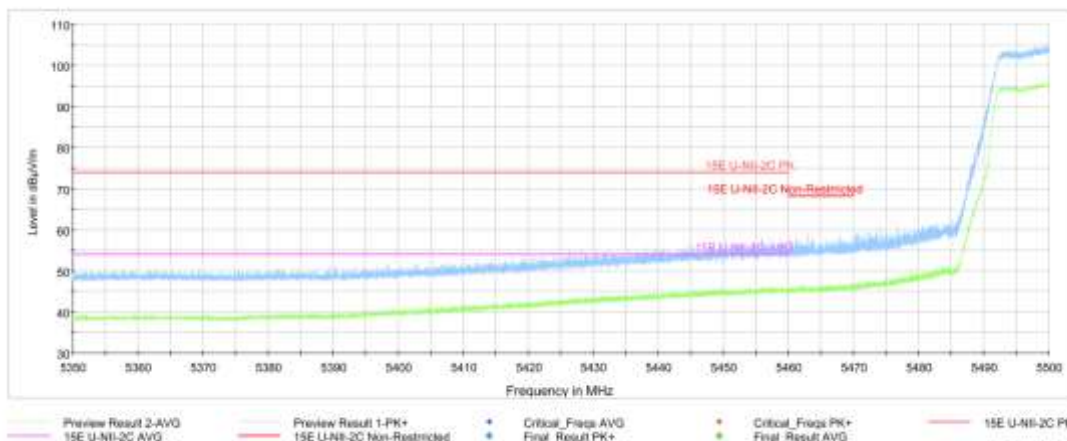


Fig. 41 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

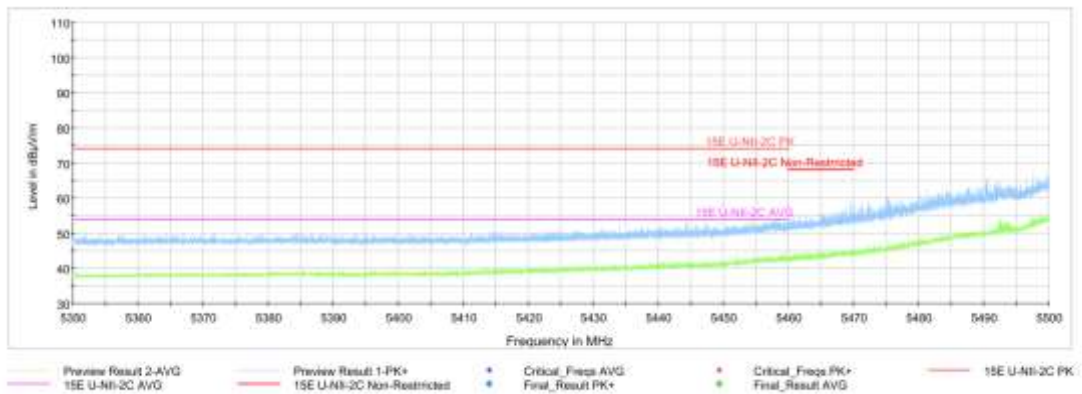


Fig. 42 Band Edges (802.11ac-HT40 Ch110, 5550MHz)

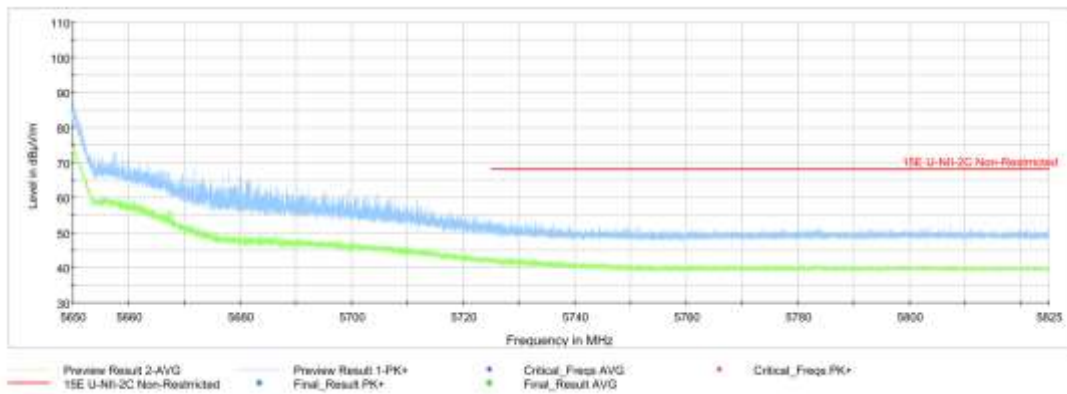


Fig. 43 Band Edges (802.11ac-HT40 Ch126, 5630MHz)

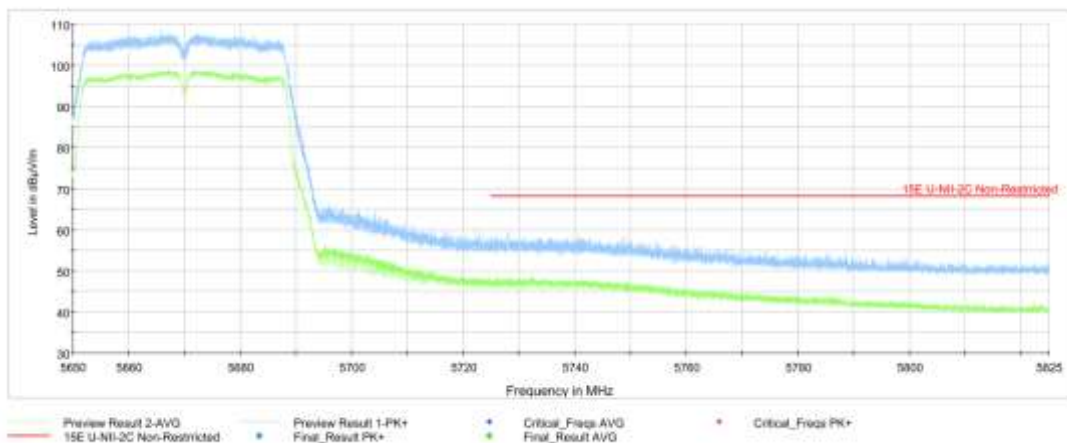


Fig. 44 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

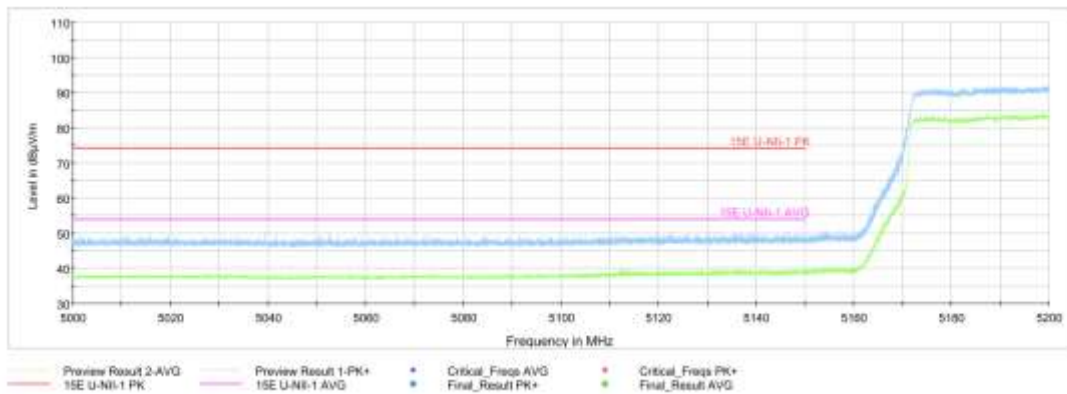


Fig. 45 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

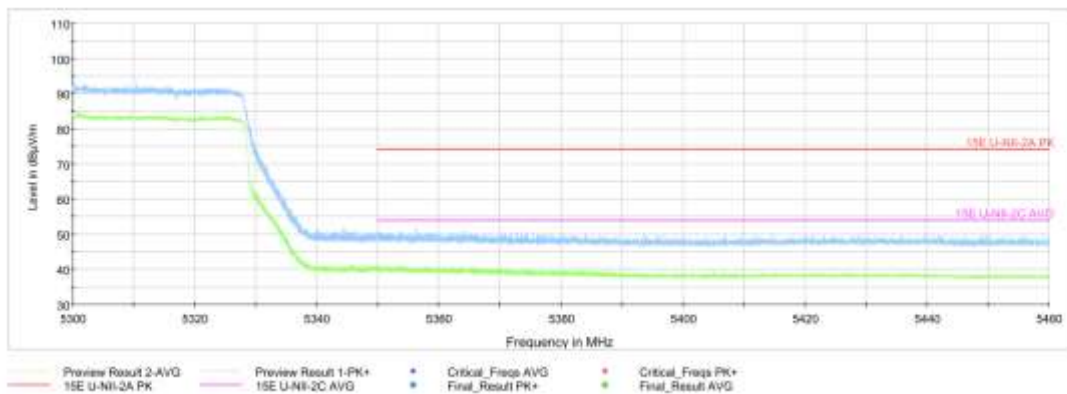


Fig. 46 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

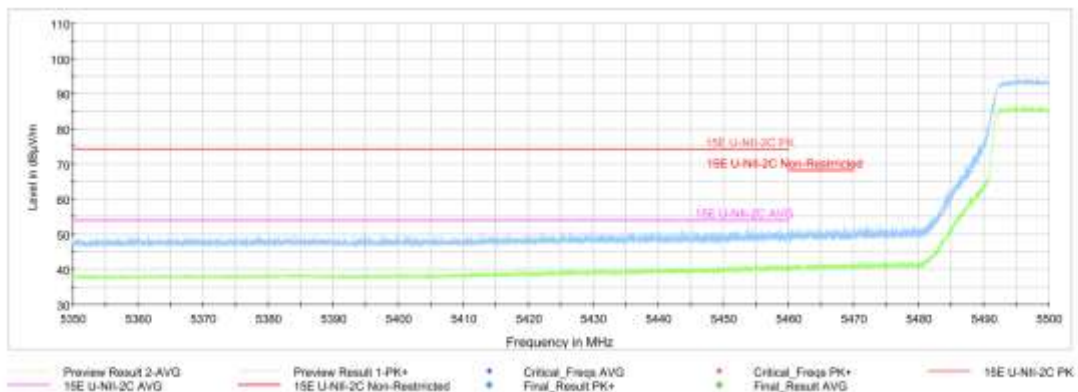


Fig. 47 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

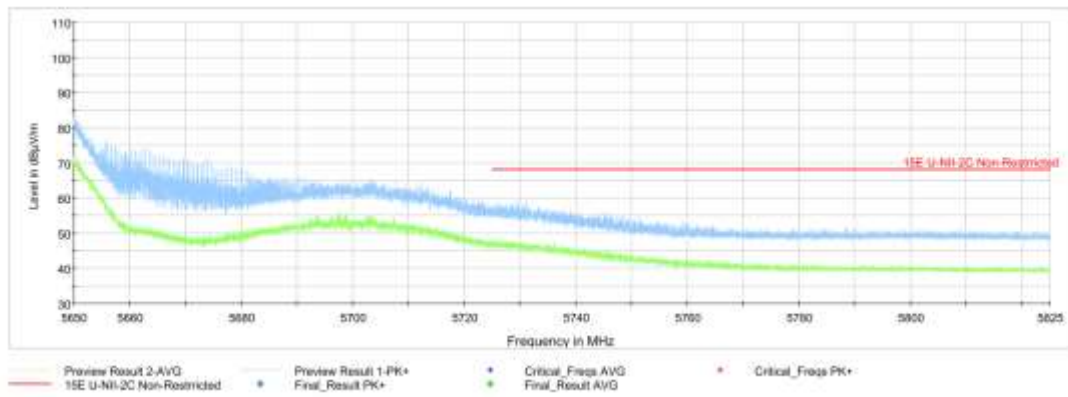


Fig. 48 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

A.2. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407 RSS-247, 6.2	(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

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

Limit in restricted band:

Frequency of emission (MHz)	Field strength(uV/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

The measurement is made according to ANSI C63.10-2013 and KDB 789033

Test settings

Frequency of emission (MHz)	RBW/BW
30-1000	100kHz/300kHz
1000-4000	1MHz/3MHz
4000-18000	1MHz/3MHz
18000-26500	1MHz/3MHz
26500-40000	1MHz/3MHz

Sample Calculation

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.



No.I22Z62328-EMC05

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

Test Notes

1. The EUT is operating at its maximum duty cycle and its maximum power control level.
2. Investigation has been done on all channel, modes and modulations/data rates. Only the radiated emissions of the configurations that produced the worst case emissions are reported in this section.

Worst case:

EUT set-up No.	Combination of EUT and AE
Set.1-1	UT08a + AE1-1 + AE2-1

Measurement Results:

802.11a mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11a	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
		48(5240MHz)	1 GHz ~ 3 GHz	---
	3 GHz ~ 7 GHz		---	P
	7 GHz ~ 18 GHz		---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n -HT20	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
		48(5240MHz)	1 GHz ~ 3 GHz	---
	3 GHz ~ 7 GHz		---	P
	7 GHz ~ 18 GHz		---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11n-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
134(5670MHz)	30 MHz ~1 GHz	---	P	
	1 GHz ~ 3 GHz	---	P	
	3 GHz ~ 7 GHz	---	P	
	7 GHz ~ 18 GHz	---	P	
	18 GHz ~ 26.5 GHz	---	P	
	26.5 GHz ~ 40 GHz	---	P	

802.11ac-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac -HT20	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	48(5240MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
7 GHz ~ 18 GHz		---	P	

802.11ac-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
134(5670MHz)	30 MHz ~1 GHz	---	P	
	1 GHz ~ 3 GHz	---	P	
	3 GHz ~ 7 GHz	---	P	
	7 GHz ~ 18 GHz	---	P	
	18 GHz ~ 26.5 GHz	---	P	
	26.5 GHz ~ 40 GHz	---	P	

802.11ac-HT80 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac – HT80	42(5210MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	58(5290MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
	106(5530MHz)	26.5 GHz ~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
	122(5610MHz)	7 GHz ~ 18 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
			7 GHz ~ 18 GHz	---

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.

The measurement results are obtained as described below:

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

AVERAGE Results:
802.11a

Channel 36

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)
17862.500	38.73	-25.50	46.66	17.57	54.00	15.27	V
17876.800	38.59	-25.50	46.66	17.43	54.00	15.41	V
13303.550	36.01	-29.49	39.71	25.79	54.00	17.99	V
13325.000	35.82	-29.49	39.71	25.60	54.00	18.18	V
5149.340	41.53	-27.61	33.67	35.47	54.00	12.47	H
5138.340	41.30	-27.61	33.67	35.24	54.00	12.70	H

Channel 40

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)
17891.650	38.41	-25.50	46.66	17.25	54.00	15.59	H
17902.100	38.37	-25.50	46.66	17.21	54.00	15.63	H
13277.700	35.61	-29.67	39.55	25.73	54.00	18.39	V
13325.550	35.49	-29.49	39.71	25.27	54.00	18.51	H
10731.200	34.92	-32.77	38.49	29.20	54.00	19.08	V
11859.800	34.65	-31.85	39.05	27.45	54.00	19.35	V

Channel 48

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)
17899.350	38.57	-25.50	46.66	17.41	54.00	15.43	V
17921.900	38.56	-25.50	46.66	17.40	54.00	15.44	V
13293.650	36.09	-29.49	39.71	25.87	54.00	17.91	H
13265.050	35.48	-29.67	39.55	25.60	54.00	18.52	V
11395.050	34.74	-32.42	38.79	28.37	54.00	19.26	H
11878.500	34.71	-31.85	39.05	27.51	54.00	19.29	V

Channel 52

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)
17897.150	38.70	-25.50	46.66	17.54	54.00	15.30	V
17861.400	38.69	-25.50	46.66	17.53	54.00	15.31	V
13330.500	35.82	-29.49	39.71	25.60	54.00	18.18	H
13306.850	35.79	-29.49	39.71	25.57	54.00	18.21	V
10753.200	34.70	-32.77	38.49	28.98	54.00	19.30	V
11390.650	34.70	-32.42	38.79	28.33	54.00	19.30	V

Channel 56

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)
17920.250	38.73	-25.50	46.66	17.57	54.00	15.27	H
17903.750	38.44	-25.50	46.66	17.28	54.00	15.56	V
13259.000	35.69	-29.67	39.55	25.81	54.00	18.31	V
13324.450	35.57	-29.49	39.71	25.35	54.00	18.43	V
11330.150	34.42	-32.36	38.77	28.02	54.00	19.58	V
11347.750	34.35	-32.42	38.79	27.98	54.00	19.65	V

Channel 64

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)
10640.450	44.62	-32.76	38.38	39.00	54.00	9.38	V
10638.800	43.96	-32.76	38.38	38.34	54.00	10.04	V
17956.550	38.78	-25.50	46.66	17.62	54.00	15.22	V
17859.200	38.65	-25.50	46.66	17.49	54.00	15.35	H
5360.752	43.23	-27.43	34.01	36.65	54.00	10.77	H
5351.344	43.16	-27.43	34.01	36.58	54.00	10.84	H

Channel 100

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)
17901.000	39.33	-25.50	46.66	18.17	54.00	14.67	V
17874.600	38.96	-25.50	46.66	17.80	54.00	15.04	V
13321.700	35.73	-29.49	39.71	25.51	54.00	18.27	V
13355.800	35.66	-29.49	39.71	25.44	54.00	18.34	V
5453.995	41.94	-27.18	34.17	34.95	54.00	12.06	H
5430.025	41.84	-27.18	34.17	34.85	54.00	12.16	H

Channel 140

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)
17934.000	38.55	-25.50	46.66	17.39	54.00	15.45	V
17904.300	38.42	-25.50	46.66	17.26	54.00	15.58	V
13281.550	35.58	-29.67	39.55	25.70	54.00	18.42	V
13277.700	35.52	-29.67	39.55	25.64	54.00	18.48	V
10742.750	34.38	-32.77	38.49	28.66	54.00	19.62	V
11398.350	34.27	-32.42	38.79	27.90	54.00	19.73	V

Channel 144

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)
11440.700	40.43	-32.42	38.79	34.06	54.00	13.57	V
11441.250	40.36	-32.42	38.79	33.99	54.00	13.64	V
17875.150	38.99	-25.50	46.66	17.83	54.00	15.01	V
17900.450	38.85	-25.50	46.66	17.69	54.00	15.15	V
13316.200	36.19	-29.49	39.71	25.97	54.00	17.81	H
13326.650	36.00	-29.49	39.71	25.78	54.00	18.00	V

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Channel 36

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)
17868.000	38.81	-25.50	46.66	17.65	54.00	15.19	V
17865.250	38.76	-25.50	46.66	17.60	54.00	15.24	V
13277.150	35.60	-29.67	39.55	25.72	54.00	18.40	V
13322.800	35.55	-29.49	39.71	25.33	54.00	18.45	V
5148.260	43.01	-27.61	33.67	36.95	54.00	10.99	H
5140.480	42.97	-27.61	33.67	36.91	54.00	11.03	H

Channel 40

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)
17903.200	38.67	-25.50	46.66	17.51	54.00	15.33	V
17914.200	38.57	-25.50	46.66	17.41	54.00	15.43	V
13321.700	36.13	-29.49	39.71	25.91	54.00	17.87	V
13334.900	35.89	-29.49	39.71	25.67	54.00	18.11	H
11573.800	34.58	-32.31	38.91	27.99	54.00	19.42	H
11356.550	34.57	-32.42	38.79	28.20	54.00	19.43	V

Channel 48

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)
17932.350	38.71	-25.50	46.66	17.55	54.00	15.29	V
17936.200	38.62	-25.50	46.66	17.46	54.00	15.38	H
13351.950	35.60	-29.49	39.71	25.38	54.00	18.40	V
13327.200	35.54	-29.49	39.71	25.32	54.00	18.46	H
9488.200	34.53	-33.19	37.93	29.80	54.00	19.47	H
11364.800	34.47	-32.42	38.79	28.10	54.00	19.53	H

Channel 52

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)
17920.250	38.64	-25.50	46.66	17.48	54.00	15.36	V
17849.850	38.44	-25.50	46.66	17.28	54.00	15.56	H
13353.050	35.80	-29.49	39.71	25.58	54.00	18.20	V
13321.150	35.53	-29.49	39.71	25.31	54.00	18.47	V
11277.350	34.72	-32.36	38.77	28.32	54.00	19.28	V
11400.550	34.58	-32.42	38.79	28.21	54.00	19.42	H

Channel 56

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)
17878.450	38.90	-25.50	46.66	17.74	54.00	15.10	H
17855.350	38.81	-25.50	46.66	17.65	54.00	15.19	V
13336.000	35.82	-29.49	39.71	25.60	54.00	18.18	V
13349.750	35.81	-29.49	39.71	25.59	54.00	18.19	H
11390.100	34.65	-32.42	38.79	28.28	54.00	19.35	V
11353.800	34.41	-32.42	38.79	28.04	54.00	19.59	H

Channel 64

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)
10638.800	43.64	-32.76	38.38	38.02	54.00	10.36	V
10644.300	42.96	-32.76	38.38	37.34	54.00	11.04	V
17907.600	38.71	-25.50	46.66	17.55	54.00	15.29	H
17882.850	38.65	-25.50	46.66	17.49	54.00	15.35	H
5350.656	43.86	-27.43	34.01	37.28	54.00	10.14	H
5350.464	43.31	-27.43	34.01	36.73	54.00	10.69	H

Channel 100

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)
17924.100	38.73	-25.50	46.66	17.57	54.00	15.27	V
17873.500	38.53	-25.50	46.66	17.37	54.00	15.47	H
13330.500	36.54	-29.49	39.71	26.32	54.00	17.46	V
13288.700	35.37	-29.67	39.55	25.49	54.00	18.63	H
5459.200	42.27	-27.18	34.17	35.28	54.00	11.73	H
5451.040	42.04	-27.18	34.17	35.05	54.00	11.96	H

Channel 140

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)
17887.250	38.86	-25.50	46.66	17.70	54.00	15.14	H
17904.300	38.81	-25.50	46.66	17.65	54.00	15.19	V
13292.550	35.47	-29.49	39.71	25.25	54.00	18.53	V
13327.750	35.44	-29.49	39.71	25.22	54.00	18.56	V
11393.950	34.45	-32.42	38.79	28.08	54.00	19.55	V
11365.900	34.23	-32.42	38.79	27.86	54.00	19.77	V

Channel 144

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)
11440.150	39.18	-32.42	38.79	32.81	54.00	14.82	V
11439.050	39.11	-32.42	38.79	32.74	54.00	14.89	V
17852.050	38.81	-25.50	46.66	17.65	54.00	15.19	V
17882.300	38.78	-25.50	46.66	17.62	54.00	15.22	V
13328.850	35.80	-29.49	39.71	25.58	54.00	18.20	H
13332.150	35.78	-29.49	39.71	25.56	54.00	18.22	H

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Channel 38

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)
17891.100	38.81	-25.50	46.66	17.65	54.00	15.19	V
17859.750	38.67	-25.50	46.66	17.51	54.00	15.33	V
13261.200	35.70	-29.67	39.55	25.82	54.00	18.30	H
13361.300	35.70	-29.49	39.71	25.48	54.00	18.30	V
5140.500	45.79	-27.61	33.67	39.73	54.00	8.21	H
5139.420	45.39	-27.61	33.67	39.33	54.00	8.61	H

Channel 46

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)
17892.200	38.91	-25.50	46.66	17.75	54.00	15.09	V
17924.100	38.56	-25.50	46.66	17.40	54.00	15.44	V
13294.200	35.77	-29.49	39.71	25.55	54.00	18.23	V
13263.950	35.64	-29.67	39.55	25.76	54.00	18.36	H
11344.450	34.89	-32.42	38.79	28.52	54.00	19.11	V
11863.650	34.75	-31.85	39.05	27.55	54.00	19.25	V

Channel 54

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)
17910.350	38.63	-25.50	46.66	17.47	54.00	15.37	H
17881.750	38.49	-25.50	46.66	17.33	54.00	15.51	V
13267.250	35.69	-29.67	39.55	25.81	54.00	18.31	V
13295.850	35.40	-29.49	39.71	25.18	54.00	18.60	H
11405.500	34.65	-32.42	38.79	28.28	54.00	19.35	V
10745.500	34.25	-32.77	38.49	28.53	54.00	19.75	H

Channel 62

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)
17901.000	38.78	-25.50	46.66	17.62	54.00	15.22	H
17974.700	38.60	-25.50	46.66	17.44	54.00	15.40	V
10620.100	37.75	-32.76	38.38	32.13	54.00	16.25	V
10619.550	36.99	-32.76	38.38	31.37	54.00	17.01	V
5374.816	41.32	-27.36	34.09	34.60	54.00	12.68	H
5352.112	41.31	-27.43	34.01	34.73	54.00	12.69	H

Channel 102

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)
17869.100	38.95	-25.50	46.66	17.79	54.00	15.05	H
17893.850	38.76	-25.50	46.66	17.60	54.00	15.24	V
13322.800	35.38	-29.49	39.71	25.16	54.00	18.62	H
13321.700	35.35	-29.49	39.71	25.13	54.00	18.65	V
5453.740	43.11	-27.18	34.17	36.12	54.00	10.89	H
5455.945	43.09	-27.18	34.17	36.10	54.00	10.91	H

Channel 118

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)
11171.200	39.10	-32.60	38.75	32.96	54.00	14.90	V
11188.250	39.01	-32.60	38.75	32.87	54.00	14.99	V
17912.550	38.73	-25.50	46.66	17.57	54.00	15.27	V
17896.600	38.67	-25.50	46.66	17.51	54.00	15.33	H
13289.800	35.41	-29.67	39.55	25.53	54.00	18.59	V
13322.250	35.36	-29.49	39.71	25.14	54.00	18.64	H



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Channel 134

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	38.89	-25.50	46.66	17.73	54.00	15.11	V
17871.850	38.84	-25.50	46.66	17.68	54.00	15.16	H
13256.250	35.42	-29.67	39.55	25.54	54.00	18.58	V
13277.150	35.23	-29.67	39.55	25.35	54.00	18.77	V
11340.050	35.21	-32.42	38.79	28.84	54.00	18.79	V
11341.700	34.89	-32.42	38.79	28.52	54.00	19.11	V

Channel 142

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)
17910.900	39.22	-25.50	46.66	18.06	54.00	14.78	V
17848.200	39.18	-25.50	46.66	18.02	54.00	14.82	H
11427.500	37.86	-32.42	38.79	31.49	54.00	16.14	V
11418.150	37.34	-32.42	38.79	30.97	54.00	16.66	V
13291.450	36.82	-29.49	39.71	26.60	54.00	17.18	H
13275.500	36.58	-29.67	39.55	26.70	54.00	17.42	H

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Channel 36

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)
17959.850	40.15	-25.50	46.66	18.99	54.00	13.85	H
17958.750	40.02	-25.50	46.66	18.86	54.00	13.98	H
14499.800	37.13	-28.59	42.46	23.26	54.00	16.87	H
14486.600	37.10	-28.59	42.46	23.23	54.00	16.90	V
5147.600	42.20	-27.61	33.67	36.14	54.00	11.80	H
5148.700	42.00	-27.61	33.67	35.94	54.00	12.00	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17927.400	39.90	-25.50	46.66	18.74	54.00	14.10	H
17968.650	39.68	-25.50	46.66	18.52	54.00	14.32	H
14489.900	36.79	-28.59	42.46	22.92	54.00	17.21	V
14489.350	36.72	-28.59	42.46	22.85	54.00	17.28	V
11792.150	36.12	-31.99	38.98	29.13	54.00	17.88	H
11787.200	35.99	-31.99	38.98	29.00	54.00	18.01	H

Channel 48

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)
17959.850	39.74	-25.50	46.66	18.58	54.00	14.26	V
17910.900	39.53	-25.50	46.66	18.37	54.00	14.47	H
14491.550	36.68	-28.59	42.46	22.81	54.00	17.32	V
14491.000	36.62	-28.59	42.46	22.75	54.00	17.38	H
11860.350	35.96	-31.85	39.05	28.76	54.00	18.04	V
11880.700	35.87	-31.85	39.05	28.67	54.00	18.13	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17881.200	39.08	-25.50	46.66	17.92	54.00	14.92	H
17904.300	39.06	-25.50	46.66	17.90	54.00	14.94	V
13306.850	35.91	-29.49	39.71	25.69	54.00	18.09	H
13280.450	35.60	-29.67	39.55	25.72	54.00	18.40	V
11381.300	34.55	-32.42	38.79	28.18	54.00	19.45	V
11400.000	34.47	-32.42	38.79	28.10	54.00	19.53	V

Channel 56

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)
17908.700	38.93	-25.50	46.66	17.77	54.00	15.07	V
17894.950	38.61	-25.50	46.66	17.45	54.00	15.39	V
13332.150	35.87	-29.49	39.71	25.65	54.00	18.13	V
13266.150	35.73	-29.67	39.55	25.85	54.00	18.27	V
11864.200	34.52	-31.85	39.05	27.32	54.00	19.48	H
11866.950	34.37	-31.85	39.05	27.17	54.00	19.63	H

Channel 64

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)
10637.700	42.87	-32.76	38.38	37.25	54.00	11.13	V
10639.900	42.76	-32.76	38.38	37.14	54.00	11.24	V
17909.800	39.14	-25.50	46.66	17.98	54.00	14.86	H
17905.400	38.73	-25.50	46.66	17.57	54.00	15.27	H
5350.224	43.85	-27.43	34.01	37.27	54.00	10.15	H
5350.208	43.60	-27.43	34.01	37.02	54.00	10.40	H

Channel 100

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)
17919.700	39.26	-25.50	46.66	18.10	54.00	14.74	V
17886.150	38.67	-25.50	46.66	17.51	54.00	15.33	H
13299.700	35.71	-29.49	39.71	25.49	54.00	18.29	V
13303.000	35.59	-29.49	39.71	25.37	54.00	18.41	V
5451.985	42.24	-27.18	34.17	35.25	54.00	11.76	H
5459.185	42.13	-27.18	34.17	35.14	54.00	11.87	H

Channel 140

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)
17861.950	38.95	-25.50	46.66	17.79	54.00	15.05	V
17885.600	38.79	-25.50	46.66	17.63	54.00	15.21	V
13345.900	35.65	-29.49	39.71	25.43	54.00	18.35	V
13281.000	35.57	-29.67	39.55	25.69	54.00	18.43	V
11347.200	34.25	-32.42	38.79	27.88	54.00	19.75	H
11742.650	34.12	-31.99	38.98	27.13	54.00	19.88	V

Channel 144

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)
11439.050	40.15	-32.42	38.79	33.78	54.00	13.85	V
11442.350	39.98	-32.42	38.79	33.61	54.00	14.02	V
17903.750	39.37	-25.50	46.66	18.21	54.00	14.63	V
17887.250	38.80	-25.50	46.66	17.64	54.00	15.20	V
13274.400	35.97	-29.67	39.55	26.09	54.00	18.03	V
13274.950	35.92	-29.67	39.55	26.04	54.00	18.08	H

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Channel 38

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)
17909.800	38.94	-25.50	46.66	17.78	54.00	15.06	V
17909.250	38.79	-25.50	46.66	17.63	54.00	15.21	V
13320.050	35.46	-29.49	39.71	25.24	54.00	18.54	H
13330.500	35.45	-29.49	39.71	25.23	54.00	18.55	H
5142.240	41.46	-27.61	33.67	35.40	54.00	12.54	H
5139.100	41.41	-27.61	33.67	35.35	54.00	12.59	H

Channel 46

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)
17885.600	38.59	-25.50	46.66	17.43	54.00	15.41	H
17886.150	38.57	-25.50	46.66	17.41	54.00	15.43	H
13329.950	35.75	-29.49	39.71	25.53	54.00	18.25	V
13260.650	35.74	-29.67	39.55	25.86	54.00	18.26	H
11414.850	34.44	-32.42	38.79	28.07	54.00	19.56	V
11254.250	34.41	-32.36	38.77	28.01	54.00	19.59	H

Channel 54

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)
17885.600	39.05	-25.50	46.66	17.89	54.00	14.95	H
17852.600	38.83	-25.50	46.66	17.67	54.00	15.17	V
13289.250	35.37	-29.67	39.55	25.49	54.00	18.63	H
13274.950	35.36	-29.67	39.55	25.48	54.00	18.64	V
11869.700	34.19	-31.85	39.05	26.99	54.00	19.81	V
10608.550	34.08	-32.76	38.38	28.46	54.00	19.92	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17881.750	38.72	-25.50	46.66	17.56	54.00	15.28	H
17904.850	38.59	-25.50	46.66	17.43	54.00	15.41	H
10620.100	37.20	-32.76	38.38	31.58	54.00	16.80	V
10619.550	37.01	-32.76	38.38	31.39	54.00	16.99	V
13334.900	35.44	-29.49	39.71	25.22	54.00	18.56	V
13283.750	35.36	-29.67	39.55	25.48	54.00	18.64	V

Channel 102

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)
17908.700	38.76	-25.50	46.66	17.60	54.00	15.24	V
17904.850	38.40	-25.50	46.66	17.24	54.00	15.60	H
13323.350	35.87	-29.49	39.71	25.65	54.00	18.13	V
11000.700	35.50	-32.82	38.70	29.62	54.00	18.50	V
5455.780	46.51	-27.18	34.17	39.52	54.00	7.49	H
5457.265	46.40	-27.18	34.17	39.41	54.00	7.60	H

Channel 118

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)
11165.150	39.43	-32.60	38.75	33.29	54.00	14.57	V
11184.950	39.04	-32.60	38.75	32.90	54.00	14.96	V
17894.950	38.69	-25.50	46.66	17.53	54.00	15.31	V
17905.400	38.65	-25.50	46.66	17.49	54.00	15.35	V
13318.950	35.66	-29.49	39.71	25.44	54.00	18.34	V
13321.700	35.43	-29.49	39.71	25.21	54.00	18.57	V



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Channel 134

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)
17885.050	38.93	-25.50	46.66	17.77	54.00	15.07	V
17891.100	38.71	-25.50	46.66	17.55	54.00	15.29	H
13326.100	35.33	-29.49	39.71	25.11	54.00	18.67	H
13392.650	35.15	-29.49	39.71	24.93	54.00	18.85	V
11325.750	34.68	-32.36	38.77	28.28	54.00	19.32	V
11342.800	34.67	-32.42	38.79	28.30	54.00	19.33	V

Channel 142

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)
17894.950	39.26	-25.50	46.66	18.10	54.00	14.74	H
17899.900	39.21	-25.50	46.66	18.05	54.00	14.79	V
11412.650	37.61	-32.42	38.79	31.24	54.00	16.39	V
13299.150	37.52	-29.49	39.71	27.30	54.00	16.48	H
11413.750	37.51	-32.42	38.79	31.14	54.00	16.49	V
13300.800	37.20	-29.49	39.71	26.98	54.00	16.80	V

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Channel 42

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)
17893.300	38.65	-25.50	46.66	17.49	54.00	15.35	V
17909.800	38.48	-25.50	46.66	17.32	54.00	15.52	V
13332.150	35.57	-29.49	39.71	25.35	54.00	18.43	H
13320.050	35.32	-29.49	39.71	25.10	54.00	18.68	H
5135.960	39.94	-27.61	33.67	33.88	54.00	14.06	H
5132.920	39.90	-27.61	33.67	33.84	54.00	14.10	H

Channel 58

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)
17852.050	38.66	-25.50	46.66	17.50	54.00	15.34	H
17850.950	38.54	-25.50	46.66	17.38	54.00	15.46	H
13300.800	35.73	-29.49	39.71	25.51	54.00	18.27	V
13309.050	35.55	-29.49	39.71	25.33	54.00	18.45	V
5351.104	41.28	-27.43	34.01	34.70	54.00	12.72	H
5353.392	41.19	-27.43	34.01	34.61	54.00	12.81	H

Channel 106

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)
17885.050	38.67	-25.50	46.66	17.51	54.00	15.33	H
17914.750	38.63	-25.50	46.66	17.47	54.00	15.37	V
13309.600	35.17	-29.49	39.71	24.95	54.00	18.83	V
13315.650	35.15	-29.49	39.71	24.93	54.00	18.85	H
5457.760	41.61	-27.18	34.17	34.62	54.00	12.39	H
5459.155	41.47	-27.18	34.17	34.48	54.00	12.53	H



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Channel 122

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)
17883.950	38.49	-25.50	46.66	17.33	54.00	15.51	V
17923.000	38.45	-25.50	46.66	17.29	54.00	15.55	V
11242.700	36.50	-32.36	38.77	30.10	54.00	17.50	V
11226.750	36.44	-32.36	38.77	30.04	54.00	17.56	V
13321.700	35.80	-29.49	39.71	25.58	54.00	18.20	V
13314.000	35.42	-29.49	39.71	25.20	54.00	18.58	V

Channel 138

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)
17898.250	39.23	-25.50	46.66	18.07	54.00	14.77	V
17907.600	39.15	-25.50	46.66	17.99	54.00	14.85	H
13312.350	36.18	-29.49	39.71	25.96	54.00	17.82	V
11364.800	36.02	-32.42	38.79	29.65	54.00	17.98	V
13331.600	36.00	-29.49	39.71	25.78	54.00	18.00	H
11393.400	35.97	-32.42	38.79	29.60	54.00	18.03	V

PEAK Results:
802.11a

Channel 36

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)
17899.900	49.52	-25.50	46.66	28.36	74.00	24.48	V
17344.400	49.23	-25.95	44.35	30.82	68.20	18.97	H
10359.400	48.01	-33.68	38.17	43.51	68.20	20.19	V
10350.600	47.87	-33.68	38.17	43.37	68.20	20.33	V
5135.800	53.31	-27.61	33.67	47.25	74.00	20.69	H
5139.960	53.20	-27.61	33.67	47.14	74.00	20.80	H

Channel 40

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)
17866.350	50.11	-25.50	46.66	28.95	74.00	23.89	H
17908.150	49.91	-25.50	46.66	28.75	74.00	24.09	V
10400.100	47.94	-33.22	38.19	42.97	68.20	20.26	V
10399.550	47.71	-33.22	38.19	42.74	68.20	20.49	V
13204.000	46.51	-29.67	39.55	36.63	68.20	21.69	V
13457.550	46.22	-29.56	39.99	35.79	68.20	21.98	V

Channel 48

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)
10480.950	50.43	-32.99	38.27	45.14	68.20	17.77	V
17890.550	49.87	-25.50	46.66	28.71	74.00	24.13	V
10479.850	49.80	-32.99	38.27	44.51	68.20	18.40	V
17441.200	49.80	-26.85	45.25	31.40	68.20	18.40	V
13228.200	46.50	-29.67	39.55	36.62	68.20	21.70	V
13423.450	46.30	-29.49	39.71	36.08	68.20	21.90	V

Channel 52

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)
10515.600	55.15	-32.99	38.27	49.86	68.20	13.05	V
10521.100	55.02	-32.99	38.27	49.73	68.20	13.18	V
17890.550	49.25	-25.50	46.66	28.09	74.00	24.75	V
16985.250	49.24	-26.32	42.36	33.19	68.20	18.96	V
13172.650	46.52	-29.67	39.55	36.64	68.20	21.68	V
14569.650	46.18	-27.29	41.90	31.57	68.20	22.02	H

Channel 56

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)
10561.800	57.17	-32.99	38.27	51.88	68.20	11.03	V
10556.300	56.50	-32.99	38.27	51.21	68.20	11.70	V
17029.800	49.44	-26.32	42.36	33.39	68.20	18.76	V
17338.350	49.03	-25.95	44.35	30.62	68.20	19.17	H
13470.750	46.30	-29.56	39.99	35.87	68.20	21.90	H
13958.050	46.07	-29.51	41.30	34.28	68.20	22.13	H

Channel 64

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)
10641.000	54.17	-32.76	38.38	48.55	74.00	19.83	V
10643.200	53.54	-32.76	38.38	47.92	74.00	20.46	V
16946.750	49.78	-26.32	42.36	33.73	68.20	18.42	V
17332.850	49.28	-25.95	44.35	30.87	68.20	18.92	V
5351.376	58.39	-27.43	34.01	51.81	74.00	15.61	H
5351.536	57.88	-27.43	34.01	51.30	74.00	16.12	H

Channel 100

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)
17333.950	49.82	-25.95	44.35	31.41	68.20	18.38	H
17340.000	49.72	-25.95	44.35	31.31	68.20	18.48	V
13141.850	46.99	-30.13	39.39	37.72	68.20	21.21	V
13952.550	46.68	-29.51	41.30	34.89	68.20	21.52	V
5439.160	52.42	-27.18	34.17	45.43	74.00	21.58	H
5468.380	53.74	-27.18	34.17	46.75	68.20	14.46	H

Channel 120

Channel 140

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)
17362.550	49.56	-25.95	44.35	31.15	68.20	18.64	H
17248.150	49.18	-25.95	44.35	30.77	68.20	19.02	V
13310.700	46.72	-29.49	39.71	36.50	74.00	27.28	V
13331.600	46.21	-29.49	39.71	35.99	74.00	27.79	V
5728.278	56.46	-27.07	34.31	49.22	68.20	11.74	H
5726.842	56.36	-27.07	34.31	49.12	68.20	11.84	H

Channel 144

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)
17345.500	50.94	-25.95	44.35	32.53	68.20	17.26	V
11435.200	49.95	-32.42	38.79	43.58	74.00	24.05	V
17442.850	49.31	-26.85	45.25	30.91	68.20	18.89	H
11439.050	48.76	-32.42	38.79	42.39	74.00	25.24	V
13312.900	46.83	-29.49	39.71	36.61	74.00	27.17	H
14082.900	46.66	-29.44	41.66	34.44	68.20	21.54	H

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Channel 36

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)
17443.950	49.63	-26.85	45.25	31.23	68.20	18.57	H
17676.050	49.31	-25.74	45.95	29.10	68.20	18.89	H
10358.300	48.64	-33.68	38.17	44.14	68.20	19.56	V
10359.950	48.58	-33.68	38.17	44.08	68.20	19.62	V
5140.160	56.59	-27.61	33.67	50.53	74.00	17.41	H
5148.700	56.19	-27.61	33.67	50.13	74.00	17.81	H

Channel 40

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)
17439.000	49.49	-26.85	45.25	31.09	68.20	18.71	V
17844.900	49.14	-25.50	46.66	27.98	74.00	24.86	V
10391.850	47.75	-33.22	38.19	42.78	68.20	20.45	V
10396.250	47.21	-33.22	38.19	42.24	68.20	20.99	V
13916.800	46.71	-29.51	41.30	34.92	68.20	21.49	V
13913.500	46.64	-29.51	41.30	34.85	68.20	21.56	V

Channel 48

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)
10479.850	51.03	-32.99	38.27	45.74	68.20	17.17	V
17446.700	50.25	-26.85	45.25	31.85	68.20	17.95	H
17897.700	49.44	-25.50	46.66	28.28	74.00	24.56	H
10479.300	48.59	-32.99	38.27	43.30	68.20	19.61	V
13947.600	46.63	-29.51	41.30	34.84	68.20	21.57	H
13272.750	46.59	-29.67	39.55	36.71	74.00	27.41	V

Channel 52

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)
10521.100	54.49	-32.99	38.27	49.20	68.20	13.71	V
10520.000	53.65	-32.99	38.27	48.36	68.20	14.55	V
17348.800	51.05	-25.95	44.35	32.64	68.20	17.15	V
17441.200	50.06	-26.85	45.25	31.66	68.20	18.14	H
13453.700	47.01	-29.56	39.99	36.58	68.20	21.19	V
13466.350	46.56	-29.56	39.99	36.13	68.20	21.64	V

Channel 56

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)
10560.150	55.32	-32.99	38.27	50.03	68.20	12.88	V
10564.000	54.76	-32.99	38.27	49.47	68.20	13.44	V
17341.650	50.23	-25.95	44.35	31.82	68.20	17.97	H
17447.250	49.32	-26.85	45.25	30.92	68.20	18.88	V
14691.750	46.32	-28.32	41.35	33.30	68.20	21.88	V
13686.350	46.06	-29.50	40.43	35.13	68.20	22.14	V

Channel 64

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)
10644.300	52.99	-32.76	38.38	47.37	74.00	21.01	V
10636.050	52.95	-32.76	38.38	47.33	74.00	21.05	V
17904.300	49.74	-25.50	46.66	28.58	74.00	24.26	H
17362.000	49.13	-25.95	44.35	30.72	68.20	19.07	H
5363.104	56.33	-27.43	34.01	49.75	74.00	17.67	H
5350.032	55.83	-27.43	34.01	49.25	74.00	18.17	H

Channel 100

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)
17915.850	49.23	-25.50	46.66	28.07	74.00	24.77	H
17361.450	49.04	-25.95	44.35	30.63	68.20	19.16	V
13152.850	46.59	-30.13	39.39	37.32	68.20	21.61	V
13971.800	46.41	-29.44	41.66	34.19	68.20	21.79	H
5452.750	52.40	-27.18	34.17	45.41	74.00	21.60	H
5461.075	54.18	-27.18	34.17	47.19	68.20	14.02	H

Channel 140

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)
17914.200	49.71	-25.50	46.66	28.55	74.00	24.29	V
17066.650	49.53	-26.60	43.36	32.77	68.20	18.67	V
13925.050	46.77	-29.51	41.30	34.98	68.20	21.43	V
13469.100	46.29	-29.56	39.99	35.86	68.20	21.91	H
5725.792	56.78	-27.07	34.31	49.54	68.20	11.42	H
5725.495	56.29	-27.07	34.31	49.05	68.20	11.91	H

Channel 144

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)
11441.800	50.20	-32.42	38.79	43.83	74.00	23.80	V
17340.550	49.39	-25.95	44.35	30.98	68.20	18.81	H
16974.250	49.24	-26.32	42.36	33.19	68.20	18.96	V
11444.550	48.34	-32.42	38.79	41.97	74.00	25.66	V
13919.000	47.93	-29.51	41.30	36.14	68.20	20.27	H
14319.400	46.46	-28.42	42.34	32.54	68.20	21.74	H

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Channel 38

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)
16858.200	49.52	-26.62	41.49	34.65	68.20	18.68	H
17344.950	49.37	-25.95	44.35	30.96	68.20	18.83	V
10395.150	47.38	-33.22	38.19	42.41	68.20	20.82	V
13144.600	46.86	-30.13	39.39	37.59	68.20	21.34	V
5145.280	60.69	-27.61	33.67	54.63	74.00	13.31	H
5141.440	60.27	-27.61	33.67	54.21	74.00	13.73	H

Channel 46

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)
10456.750	50.55	-33.22	38.19	45.58	68.20	17.65	V
10468.300	50.46	-32.99	38.27	45.17	68.20	17.74	V
17434.600	49.51	-26.85	45.25	31.11	68.20	18.69	H
17336.150	49.45	-25.95	44.35	31.04	68.20	18.75	V
13436.650	46.23	-29.56	39.99	35.80	68.20	21.97	H
13279.350	46.10	-29.67	39.55	36.22	74.00	27.90	H

Channel 54

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)
10544.200	52.28	-32.99	38.27	46.99	68.20	15.92	V
10550.800	51.88	-32.99	38.27	46.59	68.20	16.32	V
16953.350	49.32	-26.32	42.36	33.27	68.20	18.88	V
17377.950	48.95	-25.95	44.35	30.54	68.20	19.25	V
13530.700	46.15	-29.56	39.99	35.72	68.20	22.05	H
13931.650	46.11	-29.51	41.30	34.32	68.20	22.09	H

Channel 62

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)
17376.300	49.27	-25.95	44.35	30.86	68.20	18.93	H
17311.400	48.84	-25.95	44.35	30.43	68.20	19.36	V
13283.750	46.15	-29.67	39.55	36.27	74.00	27.85	V
13326.100	46.00	-29.49	39.71	35.78	74.00	28.00	V
5367.536	52.44	-27.43	34.01	45.86	74.00	21.56	H
5362.304	51.91	-27.43	34.01	45.33	74.00	22.09	H

Channel 102

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)
16971.500	49.24	-26.32	42.36	33.19	68.20	18.96	V
17351.000	49.17	-25.95	44.35	30.76	68.20	19.03	V
13408.600	46.65	-29.49	39.71	36.43	68.20	21.55	V
13317.850	46.42	-29.49	39.71	36.20	74.00	27.58	V
5442.895	54.21	-27.18	34.17	47.22	74.00	19.79	H
5468.380	57.97	-27.18	34.17	50.98	68.20	10.23	H

Channel 118

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)
17918.050	50.12	-25.50	46.66	28.96	74.00	23.88	H
17925.200	49.41	-25.50	46.66	28.25	74.00	24.59	H
11171.200	48.85	-32.60	38.75	42.71	74.00	25.15	V
11180.550	48.39	-32.60	38.75	42.25	74.00	25.61	V
14122.500	46.52	-28.99	42.00	33.50	68.20	21.68	H
14669.200	46.49	-27.29	41.90	31.88	68.20	21.71	H

Channel 134

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)
17348.250	49.70	-25.95	44.35	31.29	68.20	18.50	H
17034.200	49.61	-26.32	42.36	33.56	68.20	18.59	V
13923.950	46.69	-29.51	41.30	34.90	68.20	21.51	V
14673.050	46.48	-27.29	41.90	31.87	68.20	21.72	V
5726.370	55.81	-27.07	34.31	48.57	68.20	12.39	H
5745.288	55.73	-27.07	34.31	48.49	68.20	12.47	H

Channel 142

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)
17454.950	50.09	-26.85	45.25	31.69	68.20	18.11	V
17332.850	49.74	-25.95	44.35	31.33	68.20	18.46	H
14212.700	47.48	-28.99	42.00	34.46	68.20	20.72	V
13322.800	47.35	-29.49	39.71	37.13	74.00	26.65	V
11431.900	47.15	-32.42	38.79	40.78	74.00	26.85	V
11399.450	46.18	-32.42	38.79	39.81	74.00	27.82	V

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Channel 36

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)
17358.700	50.58	-25.95	44.35	32.17	68.20	17.62	H
17453.300	50.39	-26.85	45.25	31.99	68.20	17.81	H
13744.100	49.07	-29.10	40.86	37.30	68.20	19.13	H
10364.350	48.86	-33.22	38.19	43.89	68.20	19.34	V
5142.320	55.95	-27.61	33.67	49.89	74.00	18.05	H
5141.540	55.05	-27.61	33.67	48.99	74.00	18.95	H

Channel 40

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)
17410.950	50.68	-26.85	45.25	32.28	68.20	17.52	V
17353.750	50.56	-25.95	44.35	32.15	68.20	17.64	V
13682.500	48.65	-29.50	40.43	37.72	68.20	19.55	H
10400.100	48.60	-33.22	38.19	43.63	68.20	19.60	V
14680.750	48.56	-27.29	41.90	33.95	68.20	19.64	H
10395.700	48.19	-33.22	38.19	43.22	68.20	20.01	V

Channel 48

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)
17538.550	51.07	-26.85	45.25	32.67	68.20	17.13	V
17837.200	50.85	-25.50	46.66	29.69	74.00	23.15	V
13747.400	48.95	-29.10	40.86	37.18	68.20	19.25	V
10479.850	48.90	-32.99	38.27	43.61	68.20	19.30	H
13680.300	48.87	-29.50	40.43	37.94	68.20	19.33	V
10472.150	48.36	-32.99	38.27	43.07	68.20	19.84	V

Channel 52

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)
10522.750	54.91	-32.99	38.27	49.62	68.20	13.29	V
10519.450	54.25	-32.99	38.27	48.96	68.20	13.95	V
17370.250	49.66	-25.95	44.35	31.25	68.20	18.54	H
17438.450	49.53	-26.85	45.25	31.13	68.20	18.67	H
13294.200	46.44	-29.49	39.71	36.22	74.00	27.56	V
14525.100	46.11	-28.59	42.46	32.24	68.20	22.09	V

Channel 56

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)
10556.300	55.50	-32.99	38.27	50.21	68.20	12.70	V
10565.100	55.22	-32.99	38.27	49.93	68.20	12.98	V
17342.750	50.86	-25.95	44.35	32.45	68.20	17.34	V
17861.950	49.17	-25.50	46.66	28.01	74.00	24.83	V
13280.450	46.84	-29.67	39.55	36.96	74.00	27.16	H
14102.150	46.75	-29.44	41.66	34.53	68.20	21.45	V

Channel 64

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)
10641.000	53.35	-32.76	38.38	47.73	74.00	20.65	V
10639.900	52.13	-32.76	38.38	46.51	74.00	21.87	V
17341.100	50.33	-25.95	44.35	31.92	68.20	17.87	V
17442.300	49.63	-26.85	45.25	31.23	68.20	18.57	V
5361.056	56.89	-27.43	34.01	50.31	74.00	17.11	H
5363.632	56.82	-27.43	34.01	50.24	74.00	17.18	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17913.100	49.38	-25.50	46.66	28.22	74.00	24.62	V
17926.300	49.38	-25.50	46.66	28.22	74.00	24.62	V
13301.350	46.63	-29.49	39.71	36.41	74.00	27.37	V
13950.350	46.37	-29.51	41.30	34.58	68.20	21.83	H
5444.005	52.17	-27.18	34.17	45.18	74.00	21.83	H
5468.770	54.14	-27.18	34.17	47.15	68.20	14.06	H

Channel 140

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)
17920.800	49.39	-25.50	46.66	28.23	74.00	24.61	V
17359.800	48.93	-25.95	44.35	30.52	68.20	19.27	H
13925.600	46.37	-29.51	41.30	34.58	68.20	21.83	V
13946.500	46.24	-29.51	41.30	34.45	68.20	21.96	V
5728.050	55.95	-27.07	34.31	48.71	68.20	12.25	H
5728.137	55.79	-27.07	34.31	48.55	68.20	12.41	H

Channel 144

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)
16955.000	49.51	-26.32	42.36	33.46	68.20	18.69	V
17343.850	49.17	-25.95	44.35	30.76	68.20	19.03	H
11442.350	49.15	-32.42	38.79	42.78	74.00	24.85	V
11445.100	48.82	-32.42	38.79	42.45	74.00	25.18	V
13449.850	46.53	-29.56	39.99	36.10	68.20	21.67	H
12794.800	46.33	-30.69	39.14	37.88	68.20	21.87	H

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Channel 38

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)
17338.350	49.56	-25.95	44.35	31.15	68.20	18.64	H
16947.300	49.37	-26.32	42.36	33.32	68.20	18.83	V
10379.750	47.11	-33.22	38.19	42.14	68.20	21.09	V
10380.300	47.08	-33.22	38.19	42.11	68.20	21.12	V
5149.240	53.67	-27.61	33.67	47.61	74.00	20.33	H
5131.520	53.06	-27.61	33.67	47.00	74.00	20.94	H

Channel 46

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)
10461.700	51.10	-33.22	38.19	46.13	68.20	17.10	V
10464.450	50.57	-33.22	38.19	45.60	68.20	17.63	V
17454.400	49.31	-26.85	45.25	30.91	68.20	18.89	H
17452.200	49.22	-26.85	45.25	30.82	68.20	18.98	H
13416.300	46.83	-29.49	39.71	36.61	68.20	21.37	V
14101.050	46.64	-29.44	41.66	34.42	68.20	21.56	H

Channel 54

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)
10539.800	51.79	-32.99	38.27	46.50	68.20	16.41	V
10527.700	51.03	-32.99	38.27	45.74	68.20	17.17	V
16953.900	50.72	-26.32	42.36	34.67	68.20	17.48	V
17822.900	49.64	-25.50	46.66	28.48	74.00	24.36	V
14584.500	46.29	-27.29	41.90	31.68	68.20	21.91	H
12827.800	45.93	-30.69	39.14	37.48	68.20	22.27	V

Channel 62

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)
17016.600	48.91	-26.32	42.36	32.86	68.20	19.29	V
17862.500	48.75	-25.50	46.66	27.59	74.00	25.25	V
13543.350	46.06	-29.56	39.99	35.63	68.20	22.14	H
13250.200	45.98	-29.67	39.55	36.10	74.00	28.02	H
10745.500	44.83	-32.77	38.49	39.11	74.00	29.17	V
10705.900	44.79	-32.77	38.49	39.07	74.00	29.21	V

Channel 102

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)
17340.000	48.88	-25.95	44.35	30.47	68.20	19.32	V
17833.900	48.73	-25.50	46.66	27.57	74.00	25.27	V
13934.400	46.24	-29.51	41.30	34.45	68.20	21.96	V
13939.900	46.22	-29.51	41.30	34.43	68.20	21.98	V
5455.870	58.26	-27.18	34.17	51.27	74.00	15.74	H
5462.980	59.33	-27.18	34.17	52.34	68.20	8.87	H

Channel 118

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)
11180.550	49.56	-32.60	38.75	43.42	74.00	24.44	V
17024.850	49.13	-26.32	42.36	33.08	68.20	19.07	H
17307.550	49.03	-25.95	44.35	30.62	68.20	19.17	V
11171.750	48.60	-32.60	38.75	42.46	74.00	25.40	V
13189.700	46.32	-29.67	39.55	36.44	68.20	21.88	V
14066.400	46.23	-29.44	41.66	34.01	68.20	21.97	V

Channel 134

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)
17342.750	49.44	-25.95	44.35	31.03	68.20	18.76	H
17330.100	49.02	-25.95	44.35	30.61	68.20	19.18	V
13947.050	46.59	-29.51	41.30	34.80	68.20	21.61	V
13978.400	45.94	-29.44	41.66	33.72	68.20	22.26	H
5727.962	59.77	-27.07	34.31	52.53	68.20	8.43	H
5728.400	59.14	-27.07	34.31	51.90	68.20	9.06	H

Channel 142

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)
17138.150	50.75	-26.60	43.36	33.99	68.20	17.45	H
16945.100	50.23	-26.32	42.36	34.18	68.20	17.97	V
13353.050	48.21	-29.49	39.71	37.99	74.00	25.79	H
13454.250	47.69	-29.56	39.99	37.26	68.20	20.51	V
11412.100	47.42	-32.42	38.79	41.05	74.00	26.58	V
11419.800	47.19	-32.42	38.79	40.82	74.00	26.81	V

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Channel 42

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)
16952.250	49.69	-26.32	42.36	33.64	68.20	18.51	H
17974.700	49.49	-25.50	46.66	28.33	74.00	24.51	V
13948.700	46.97	-29.51	41.30	35.18	68.20	21.23	V
13957.500	45.85	-29.51	41.30	34.06	68.20	22.35	H
5146.780	50.36	-27.61	33.67	44.30	74.00	23.64	H
5139.240	50.12	-27.61	33.67	44.06	74.00	23.88	H

Channel 58

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)
17350.450	50.76	-25.95	44.35	32.35	68.20	17.44	V
17326.800	49.22	-25.95	44.35	30.81	68.20	18.98	V
14619.700	45.97	-27.29	41.90	31.36	68.20	22.23	H
13058.250	45.93	-30.13	39.39	36.66	68.20	22.27	V
5356.304	51.74	-27.43	34.01	45.16	74.00	22.26	H
5364.288	51.54	-27.43	34.01	44.96	74.00	22.46	H

Channel 106

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)
16952.800	49.25	-26.32	42.36	33.20	68.20	18.95	V
17238.250	49.13	-25.95	44.35	30.72	68.20	19.07	V
13588.450	46.51	-29.50	40.43	35.58	68.20	21.69	H
13926.150	46.22	-29.51	41.30	34.43	68.20	21.98	H
5453.680	52.45	-27.18	34.17	45.46	74.00	21.55	H
5468.665	52.50	-27.18	34.17	45.51	68.20	15.70	H

Channel 122

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)
17332.300	49.44	-25.95	44.35	31.03	68.20	18.76	H
17857.000	49.16	-25.50	46.66	28.00	74.00	24.84	V
13941.000	47.00	-29.51	41.30	35.21	68.20	21.20	V
13321.700	45.85	-29.49	39.71	35.63	74.00	28.15	V
5729.450	59.25	-27.07	34.31	52.01	68.20	8.95	H
5731.182	58.85	-27.07	34.31	51.61	68.20	9.35	H

Channel 138

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)
16953.900	50.23	-26.32	42.36	34.18	68.20	17.97	V
17343.850	49.55	-25.95	44.35	31.14	68.20	18.65	V
13920.650	47.38	-29.51	41.30	35.59	68.20	20.82	V
14217.100	46.56	-28.99	42.00	33.54	68.20	21.64	V
11381.300	46.02	-32.42	38.79	39.65	74.00	27.98	V
11360.400	45.88	-32.42	38.79	39.51	74.00	28.12	V

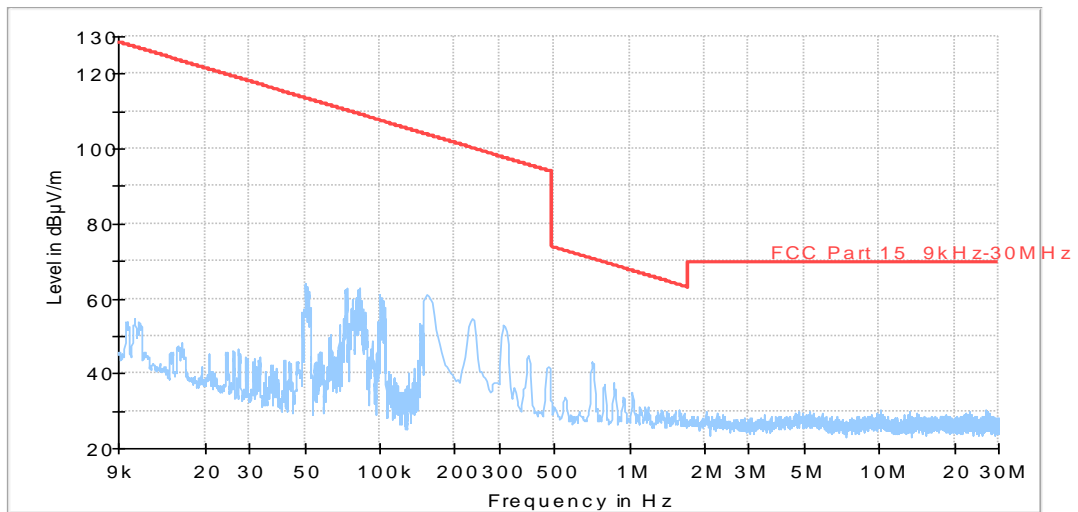
Sample calculation: 16953.900MHz

Peak ERP(dBm) = $P_{Mea}(34.18\text{dBuV/m}) + \text{Cable Loss}(-26.32) + \text{Antenna Factor}(42.36) = 50.23$ dBuV/m

The EUT is no radiated spurious emission above 18GHz, all the signals are background noise.

WOSRT CASE BELOW 30MHz (Set.1-1, 802.11a CH36)

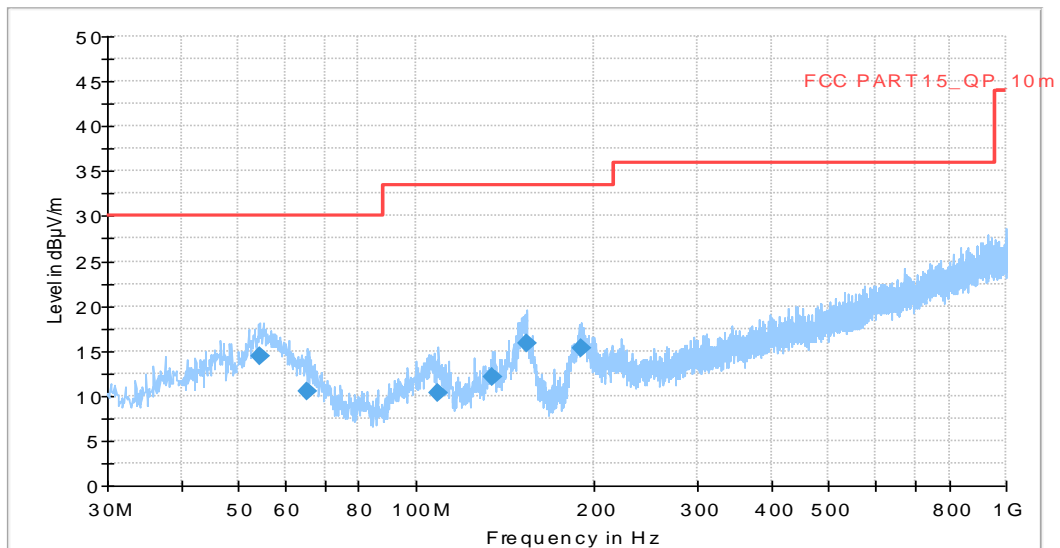
Full Spectrum



- Preview Result 1-PK+ [Preview Result 1.Result:2]
- * Critical_Freqs PK+ [Critical_Freqs.Result:4]
- FCC Part 15_9kHz-30MHz [.\.]
- ◆ Final_Result PK+ [Final_Result.Result:4]

WOSRT CASE for 30MHz-1GHz (Set.1-1, 802.11a CH36)

Full Spectrum



- Preview Result 1-PK+ *
- FCC PART 15_QP_10m ◆
- Critical_Freqs PK+
- Final_Result QPK

A.3. AC Power line Conducted Emission (150kHz- 30MHz)

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

Worst case:

EUT set-up No.	Combination of EUT and AE
Set.1-1	UT08a + AE1-1 + AE2-1

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger AE5		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.78	Fig.79	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 AE5		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.78	Fig.79	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.

Conclusion: PASS

Test graphs as below:

Traffic:

Fig. 49 Conducted Emission (802.11a, Ch36, TX)

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 (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	52.0	2000.0	9.000	On	L1	19.8	13.6	65.6
0.322000	44.9	2000.0	9.000	On	L1	19.7	14.7	59.7
0.722000	45.8	2000.0	9.000	On	N	19.7	10.2	56.0
0.866000	40.3	2000.0	9.000	On	L1	19.7	15.7	56.0
1.350000	38.2	2000.0	9.000	On	N	19.6	17.8	56.0
2.382000	36.0	2000.0	9.000	On	N	19.6	20.0	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.238000	37.3	2000.0	9.000	On	L1	19.7	14.8	52.2
0.394000	31.6	2000.0	9.000	On	N	19.7	16.3	48.0
0.718000	31.8	2000.0	9.000	On	L1	19.7	14.2	46.0
0.866000	27.4	2000.0	9.000	On	L1	19.7	18.6	46.0
17.650000	16.2	2000.0	9.000	On	L1	19.7	33.8	50.0
18.042000	16.5	2000.0	9.000	On	L1	19.7	33.5	50.0

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

Idle:

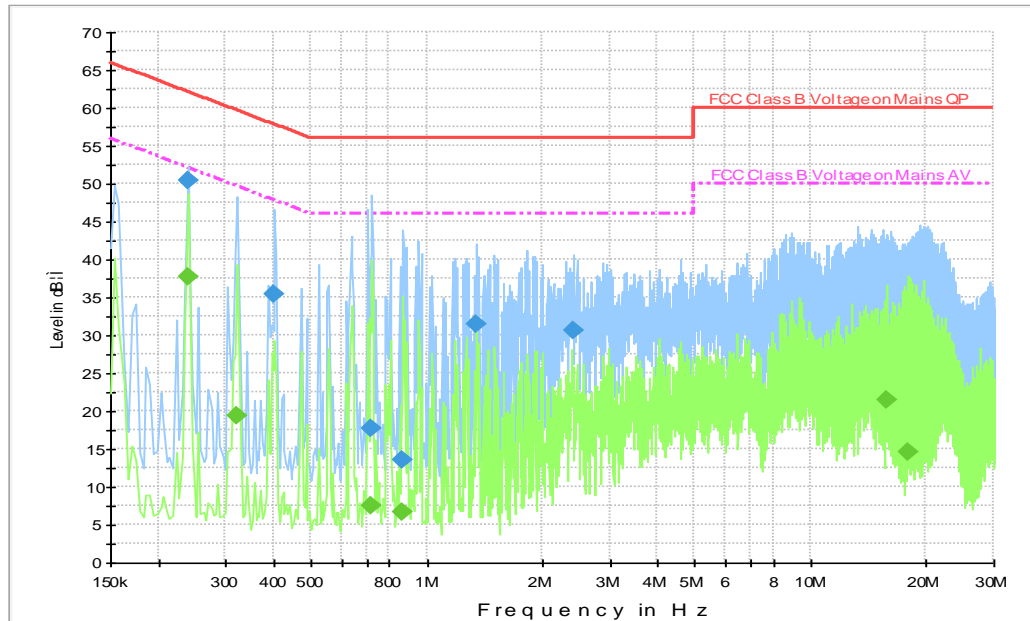


Fig. 50 Conducted Emission(802.11a, IDLE)

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 (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.238000	50.5	2000.0	9.000	On	L1	19.7	11.7	62.2
0.402000	35.5	2000.0	9.000	On	N	19.6	22.4	57.8
0.718000	17.8	2000.0	9.000	On	N	19.7	38.2	56.0
0.866000	13.5	2000.0	9.000	On	N	19.6	42.5	56.0
1.346000	31.6	2000.0	9.000	On	N	19.6	24.4	56.0
2.414000	30.6	2000.0	9.000	On	N	19.6	25.4	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.238000	37.8	2000.0	9.000	On	L1	19.7	14.4	52.2
0.322000	19.4	2000.0	9.000	On	N	19.7	30.2	49.7
0.718000	7.5	2000.0	9.000	On	N	19.7	38.5	46.0
0.866000	6.7	2000.0	9.000	On	L1	19.7	39.3	46.0
15.874000	21.5	2000.0	9.000	On	L1	19.7	28.5	50.0
17.850000	14.6	2000.0	9.000	On	L1	19.7	35.4	50.0

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



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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.



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ANNEX C: PERSONS INVOLVED IN THIS TESTING

Test Item	Test operator
Conducted Emission	Zhang Tianli
Radiated Emission	Yan Hanchen & Ding Zai

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