



# FCC PART 15 TEST REPORT

No. I22Z61292-EMC05

**BLU Products, Inc.**

**Smart Phone**

**Model Name: B1550VL**

**with**

**Hardware Version: V1.0**

**Software Version: BLU\_B1550VL\_V12.0.02.05.02.17\_FSec**

**FCC ID: YHLBLUB1550VL**

**Issued Date: 2022-09-30**

**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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## 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: 2022-08-20

Testing End Date: 2022-08-30

### 1.5. Signature



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Wang Xue

(Prepared this test report)



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Zhang Ying

(Reviewed this test report)



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Zhang Xia

(Approved this test report)



## **2. Client Information**

### **2.1. Applicant Information**

Company Name: BLU Products, Inc.  
Address: 10814 NW 33rd St # 100 Doral, FL 33172, USA  
Contact Person Zeng wei  
E-Mail zwei@ctasiasz.com  
Telephone: 305.715.7171  
Fax: 305.436.8819

### **2.2. Manufacturer Information**

Company Name: BLU Products, Inc.  
Address: 10814 NW 33rd St # 100 Doral, FL 33172, USA  
Contact Person Zeng wei  
E-Mail zwei@ctasiasz.com  
Telephone: 305.715.7171  
Fax: 305.436.8819

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

#### **3.1. About EUT**

Description	Smart Phone
Model Name	B1550VL
RLAN Frequency Range	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz -5725MHz~5850MHz
RLAN Protocol	IEEE 802.11a,802.11n-HT20/40,802.11ac-VHT20/40/80
Type of modulation	OFDM
Antenna Type	Integrated
Antenna Gain	2.0 dBi.
Power Supply	3.85V DC by Battery
FCC ID	YHLBLUB1550VL
Condition of EUT as received	No abnormality in appearance

#### **3.2. Internal Identification of EUT**

<b>EUT ID*</b>	<b>IMEI</b>	<b>HW Version</b>	<b>SW Version</b>	<b>Receive Date</b>
UT41a	350547790007484	V1.0	BLU_B1550VL_V12. 0.02.05.02.17_FSec	2022-08-10

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

#### **3.3. Internal Identification of AE**

<b>AE ID*</b>	<b>Description</b>	<b>SN</b>
AE1	Battery	/
AE2	Charger	/
AE1		
Model	TN-BP4000N1	
Manufacturer	Guangdong Fenghua New Energy Co.,Ltd.	
Capacity	4000mAh	
Nominal Voltage	3.85V	
AE2		
Model	TN-050200U3	
Manufacturer	Guangdong Beicom Electronics Co.,Ltd.	

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

#### **3.4. General Description**

The Equipment under Test (EUT) is a model of Smart Phone with integrated antenna and battery. It consists of normal options: Lithium 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.

<b>Reference</b>	<b>Title</b>	<b>Version</b>
FCC Part15	FCC CFR 47,Part 15,Subpart C FCC CFR 47,Part 15,Subpart E	2019
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013
KDB789033	GUIDELINES FOR COMPLIANCE TESTING OF UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII) DEVICES PART 15, SUBPART E	V02r01

## 5. Test Results

### 5.1. Testing Environment

Normal Temperature: 15~35°C  
Relative Humidity: 20~75%

### 5.2. Test Results

No.	Test cases	Sub-clause of Part15E	Verdict
1	Band Edges-Radiated	15.407	<b>P</b>
2	Transmitter spurious emissions radiated	15.407	<b>P</b>
3	AC Powerline Conducted Emission	15.107, 15.207	<b>P</b>

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

### 5.3. Statements

SAICT has evaluated the test cases requested by the applicant/manufacturer as listed in section 5.2 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2.

Disclaimer:

- A. After confirmation with the customer, the sample information provided by the customer may affect the validity of the measurement results in this report, and the impact and consequences arising therefrom shall be borne by the customer.
- B. The samples in this report are provided by the customer, and the test results are only applicable to the samples received.

## 6. Test Equipments Utilized

### Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due Date	Calibration Period
1	Test Receiver	ESCI	100344	R&S	2023-03-21	1 year
2	LISN	ENV216	101200	R&S	2023-06-29	1 year

### Test software

No.	Equipment	Manufacturer	Version
1	EMC32	R&S	V10.60.20

### Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due Date	Calibration Period
1	Test Receiver	ESW44	103023	R&S	2022-10-28	1 year
2	EMI Antenna	VULB 9163	302	SCHWARZBEC K	2022-12-28	1 year
3	EMI Antenna	3115	00167250	ETS-Lindgren	2022-12-23	1 year



## 7. Laboratory Environment

**Semi-anechoic chamber SAC-1** (10 meters×6.7meters×6.1meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ±4 dB, 3m distance
Site voltage standing-wave ratio ( $S_{VSWR}$ )	Between 0 and 6 dB, from 1GHz to 6GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

**Shielded room** did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz—1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω

## 8. Measurement Uncertainty

### 8.1. Frequency Band Edges - Radiated

Measurement Uncertainty:

Measurement Uncertainty (k=2)	/
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### 8.2. Transmitter Spurious Emission - Radiated

Measurement Uncertainty:

Frequency Range	Uncertainty(dBm) (k=2)
9kHz-30MHz	/
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.15
$1\text{GHz} \leq f \leq 18\text{GHz}$	5.54
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.26

### 8.3. AC Powerline Conducted Emission

Measurement Uncertainty:

Measurement Uncertainty (k=2)	3.08dB
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## **ANNEX A: MEASUREMENT RESULTS**

### **A.1. Band Edges - Radiated**

#### **Measurement Limit:1&2A&2C**

<b>Standard</b>	<b>Limit</b>
FCC 47 CFR Part 15.407	-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

#### **Measurement Limit:3**

<b>Standard</b>	<b>Limit (dBm/MHz)</b>	
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 ANSI C63.10-2013 and KDB 789033

#### **Measurement Result: 1&2A&2C**

<b>Mode</b>	<b>Channel</b>	<b>Test Results</b>	<b>Conclusion</b>
802.11a	5180 MHz	Fig.1	P
	5320 MHz	Fig.2	P
	5500 MHz	Fig.3	P
	5700 MHz	Fig.4	P
802.11n HT20	5180 MHz	Fig.5	P
	5320 MHz	Fig.6	P
	5500 MHz	Fig.7	P
	5700 MHz	Fig.8	P
802.11n HT40	5190 MHz	Fig.9	P
	5310 MHz	Fig.10	P
	5510 MHz	Fig.11	P
	5670 MHz	Fig.12	P

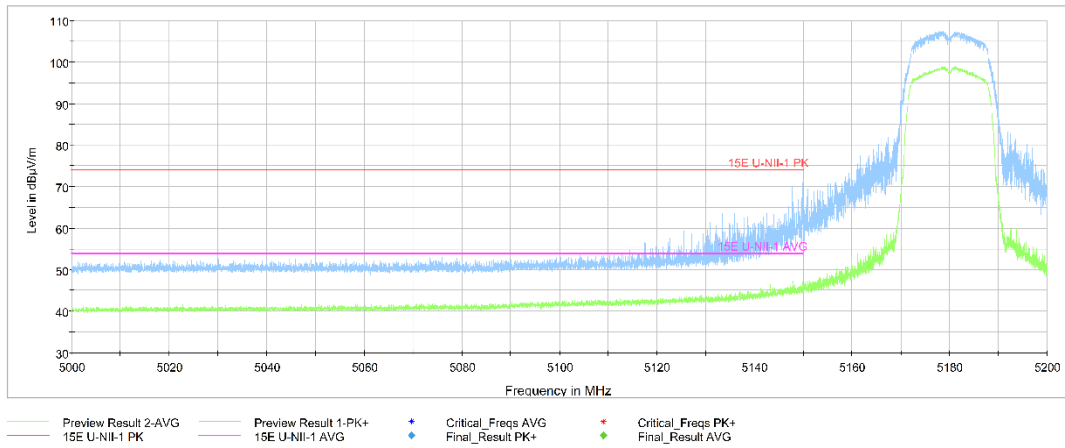
802.11ac HT20	5180 MHz	Fig.13	P
	5320 MHz	Fig.14	P
	5500 MHz	Fig.15	P
	5700 MHz	Fig.16	P
802.11ac HT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ac HT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P
	5610MHz	Fig.24	P

**Measurement Result: 3**

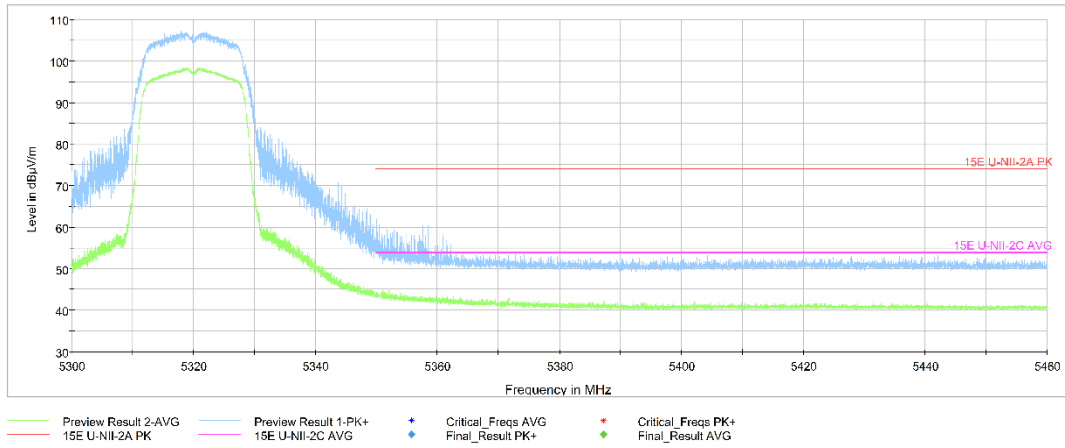
Mode	Channel	Test Results	Conclusion
802.11a	5745 MHz	Fig.73	P
	5825 MHz	Fig.74	P
802.11n HT20	5745 MHz	Fig.75	P
	5825 MHz	Fig.76	P
802.11n HT40	5755 MHz	Fig.77	P
	5795 MHz	Fig.78	P
802.11ac HT20	5745 MHz	Fig.79	P
	5825 MHz	Fig.80	P
802.11ac HT40	5755 MHz	Fig.81	P
	5795 MHz	Fig.82	P
802.11ac HT80	5775 MHz	Fig.83 Fig.84	P

**Conclusion: PASS**

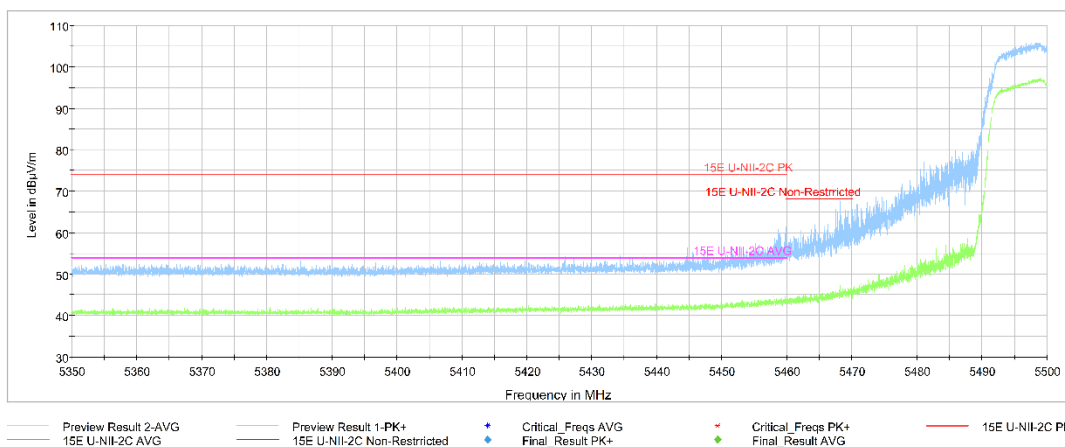
**Test graphs as below:**



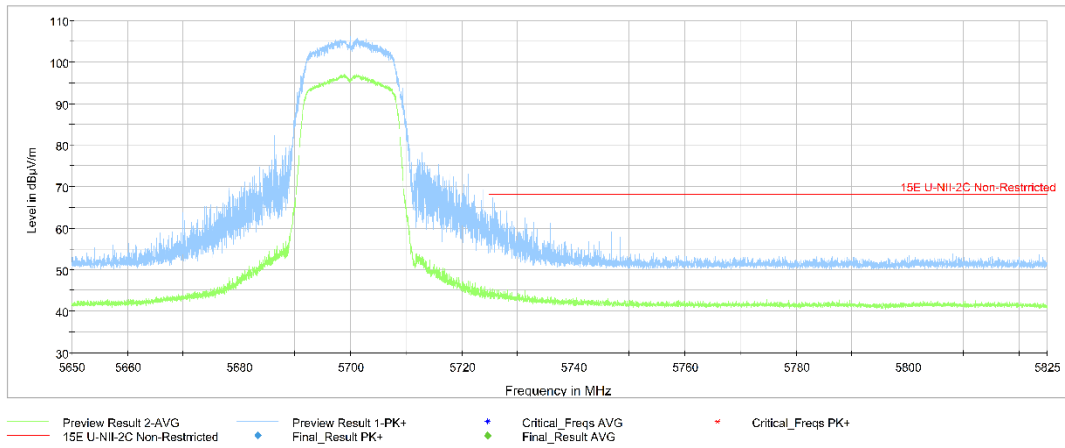
**Fig. 49 Band Edges (802.11a Ch36, 5180MHz)**



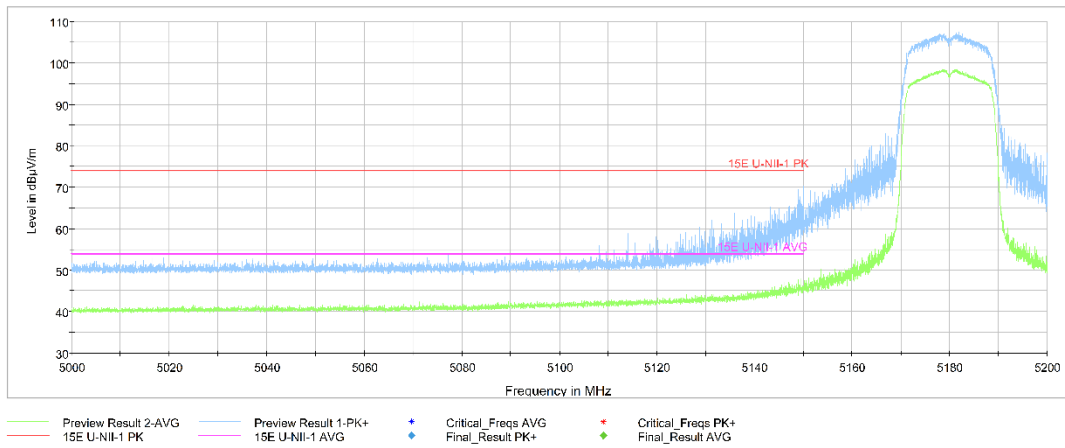
**Fig. 50 Band Edges (802.11a Ch64, 5320MHz)**



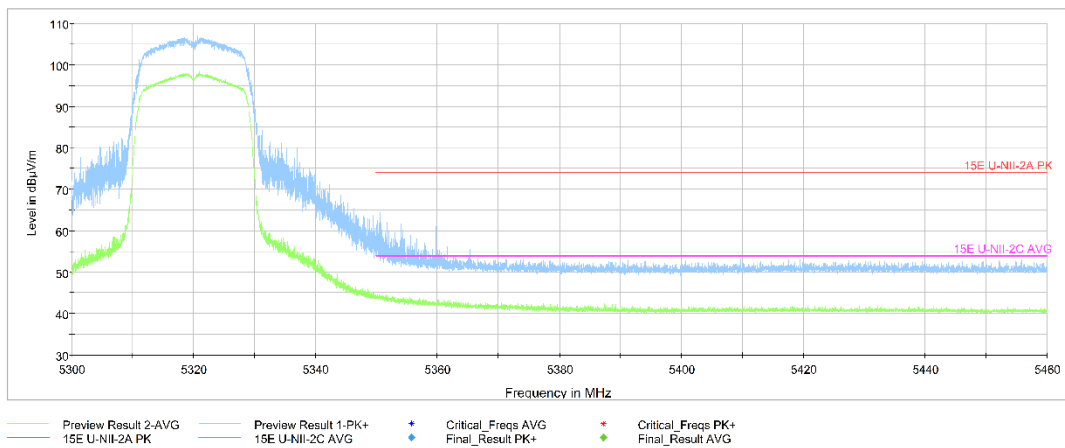
**Fig. 51 Band Edges (802.11a Ch100, 5500MHz)**



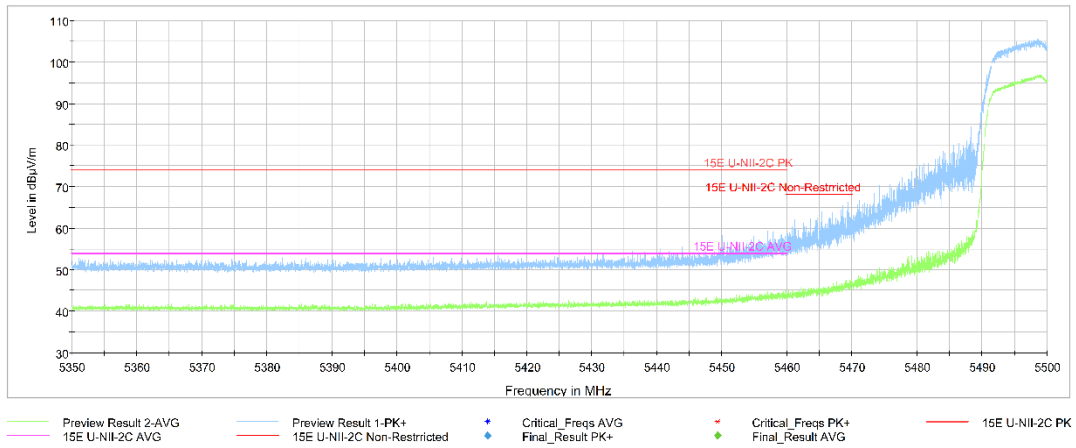
**Fig. 52 Band Edges (802.11a Ch140, 5700MHz)**



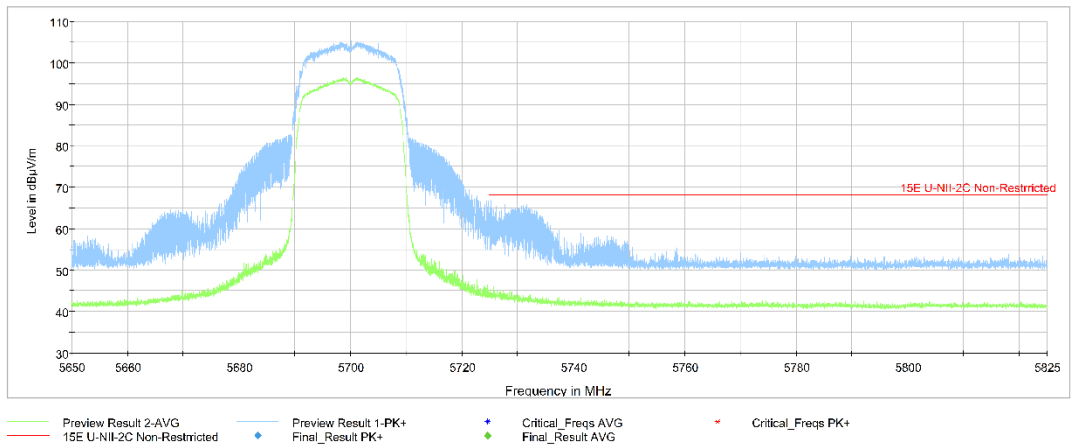
**Fig. 53 Band Edges (802.11n-HT20 Ch36, 5180MHz)**



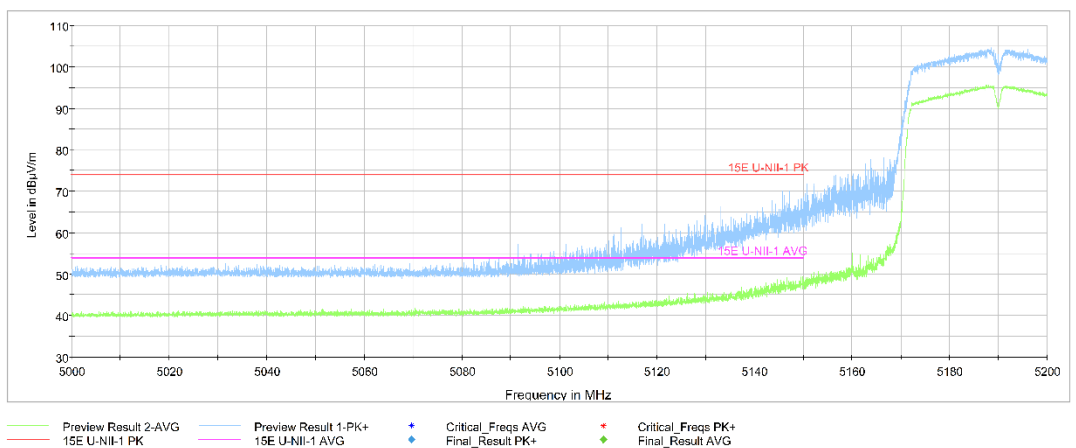
**Fig. 54 Band Edges (802.11n-HT20 Ch64, 5320MHz)**



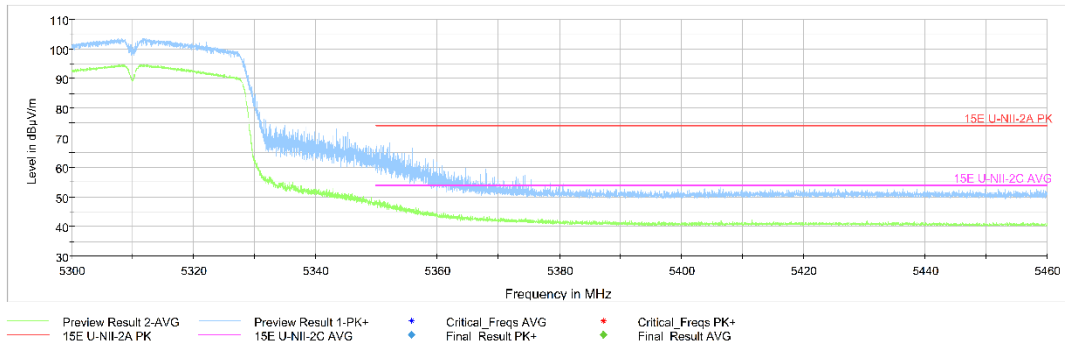
**Fig. 55 Band Edges (802.11n-HT20 Ch100, 5500MHz)**



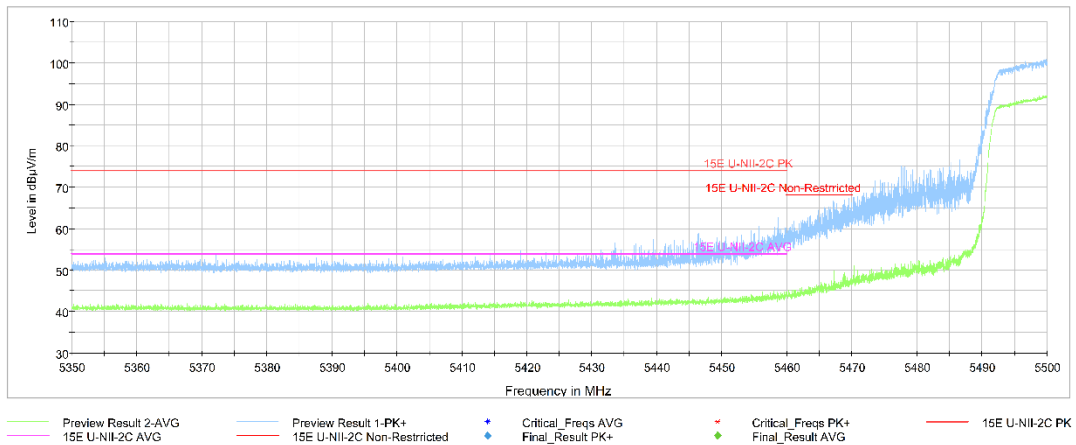
**Fig. 56 Band Edges (802.11n-HT20 Ch140, 5700MHz)**



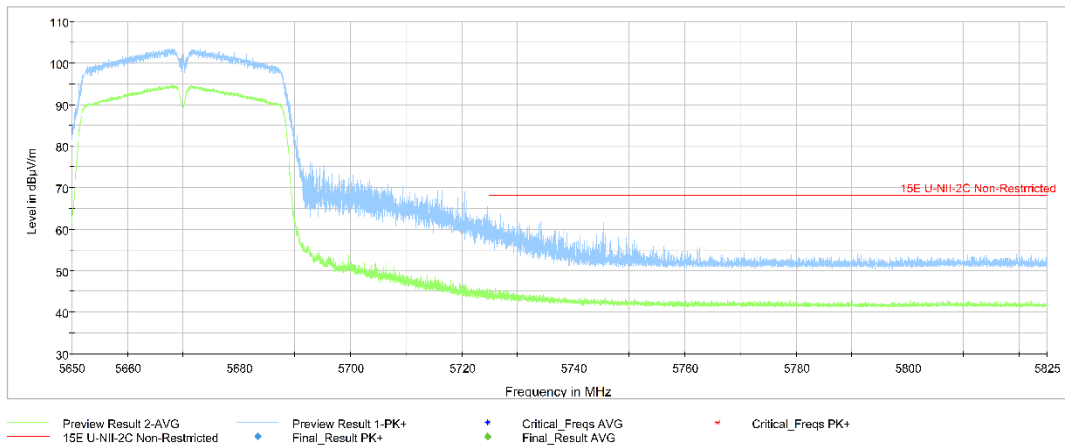
**Fig. 57 Band Edges (802.11n-HT40 Ch38, 5190MHz)**



**Fig. 58 Band Edges (802.11n-HT40 Ch62, 5310MHz)**

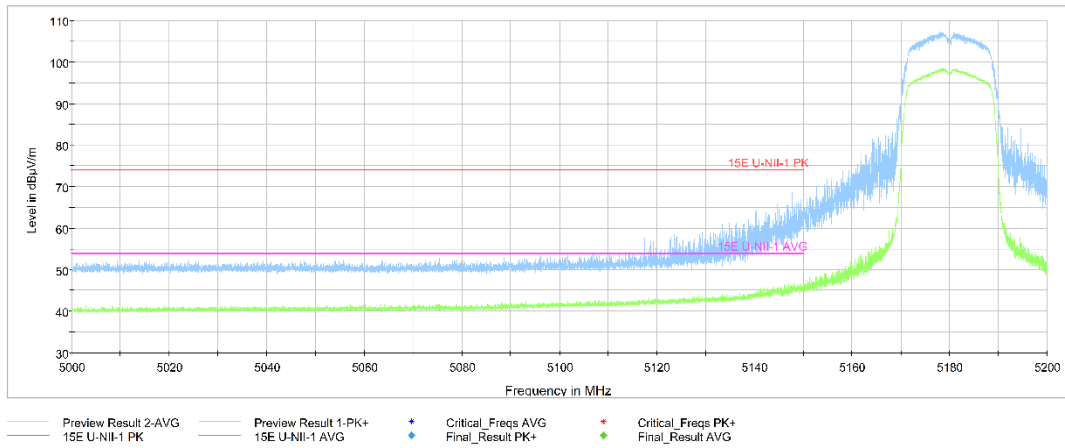


**Fig. 59 Band Edges (802.11n-HT40 Ch102, 5510MHz)**

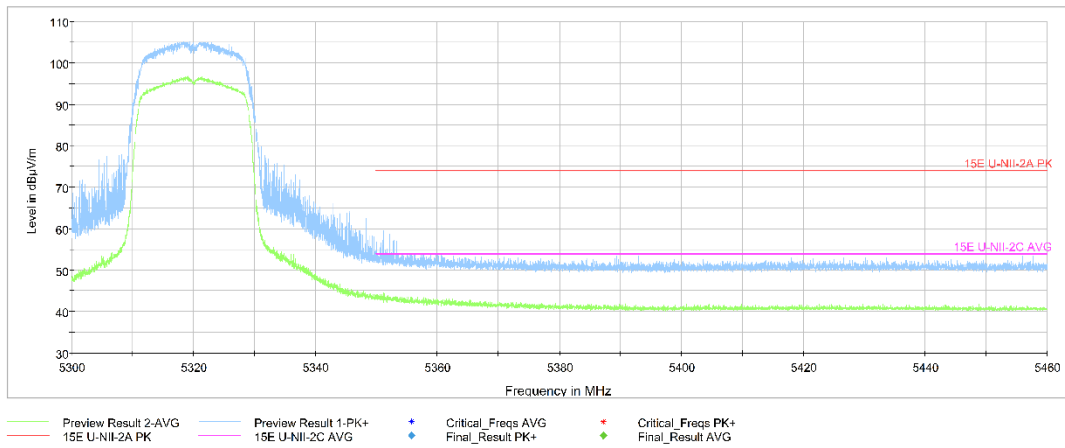


**Fig. 60 Band Edges (802.11n-HT40 Ch134, 5670MHz)**

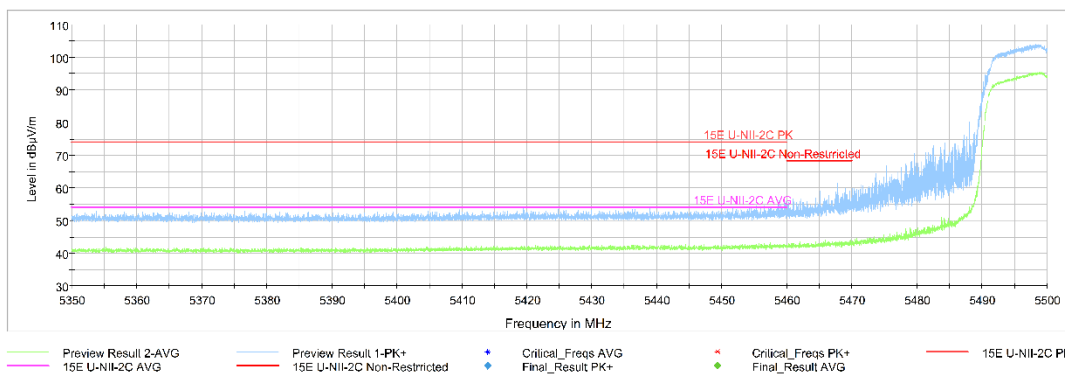




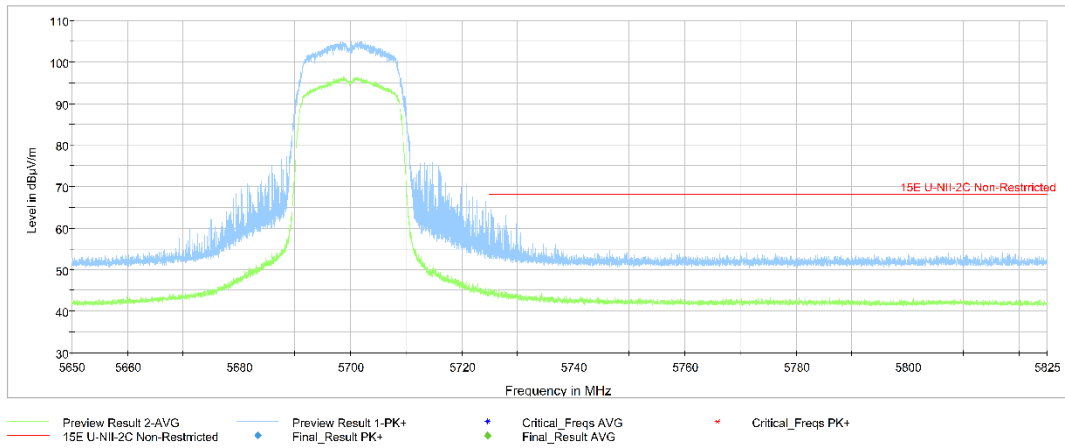
**Fig. 61 Band Edges (802.11ac-HT20 Ch36, 5180MHz)**



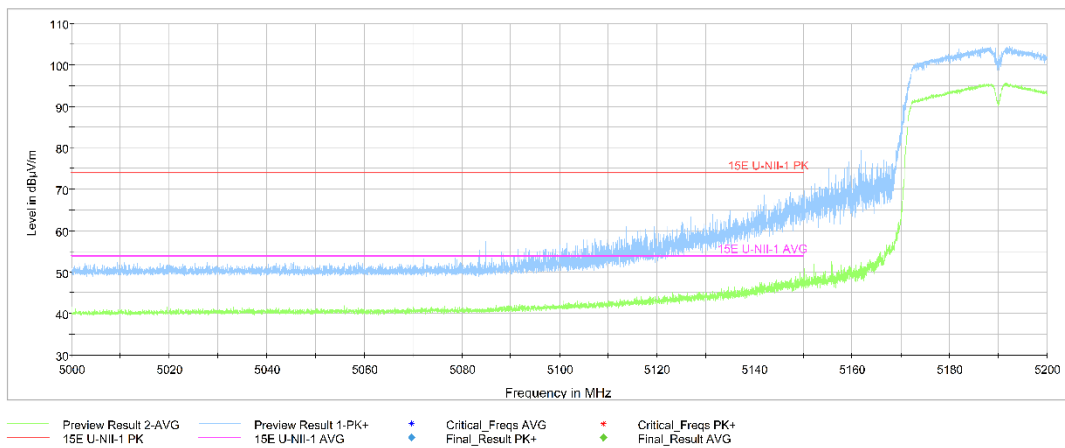
**Fig. 62 Band Edges (802.11ac-HT20 Ch64, 5320MHz)**



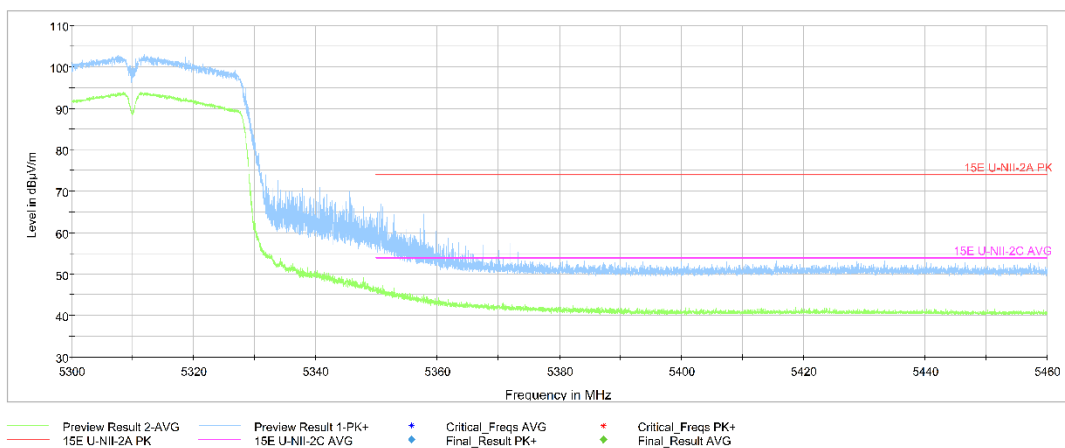
**Fig. 63 Band Edges (802.11ac-HT20 Ch100, 5500MHz)**



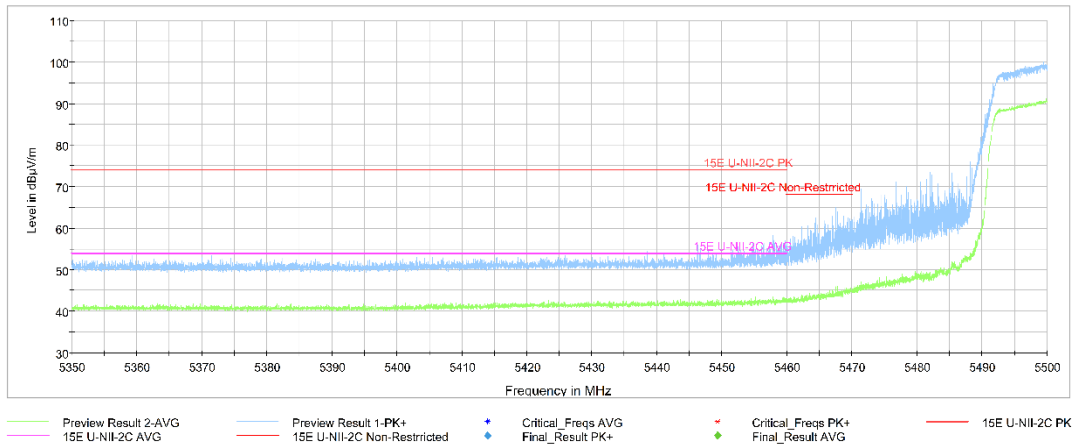
**Fig. 64 Band Edges (802.11ac-HT20 Ch140, 5700MHz)**



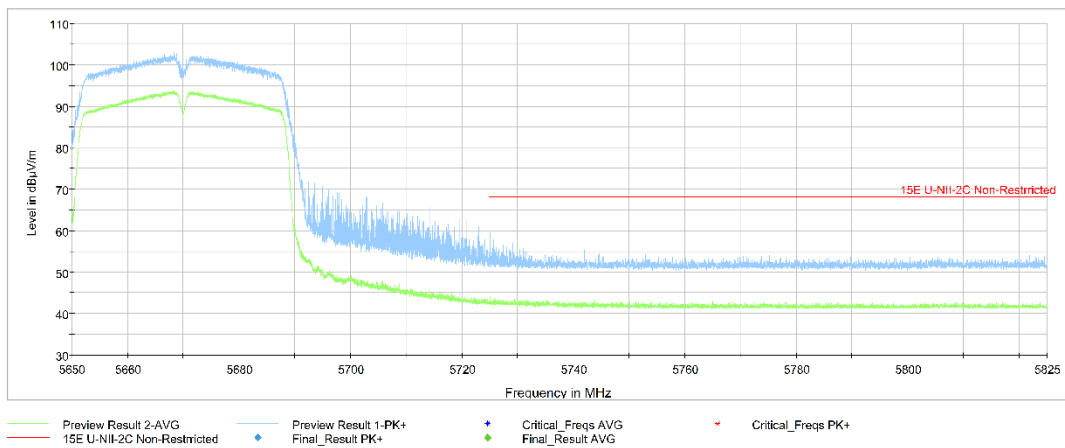
**Fig. 65 Band Edges (802.11ac-HT40 Ch38, 5190MHz)**



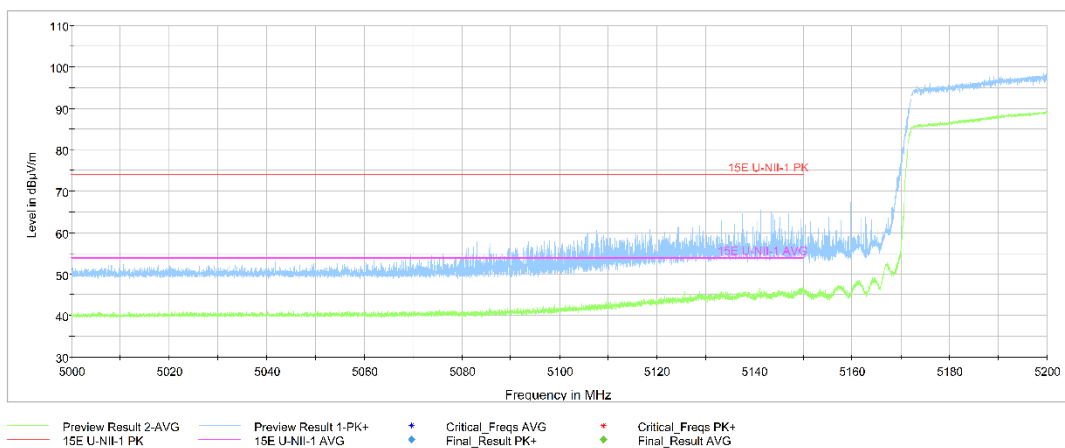
**Fig. 66 Band Edges (802.11ac-HT40 Ch62, 5310MHz)**



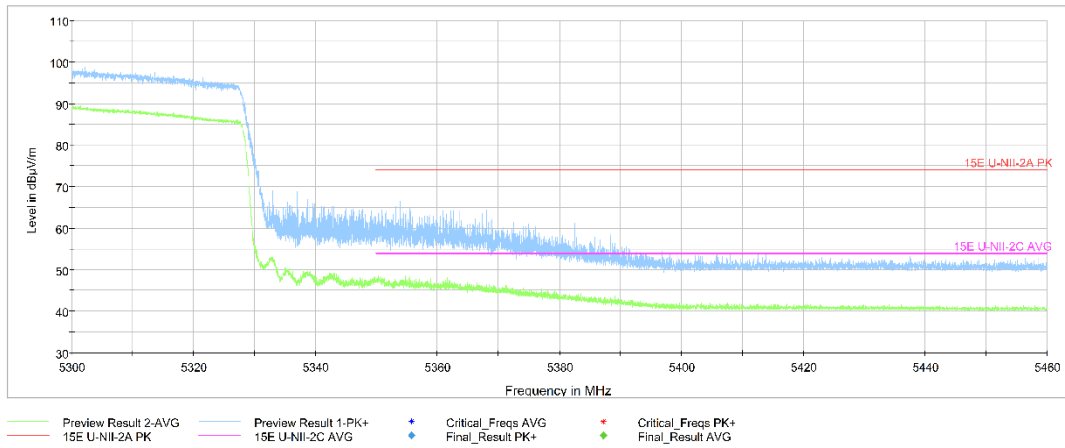
**Fig. 67 Band Edges (802.11ac-HT40 Ch102, 5510MHz)**



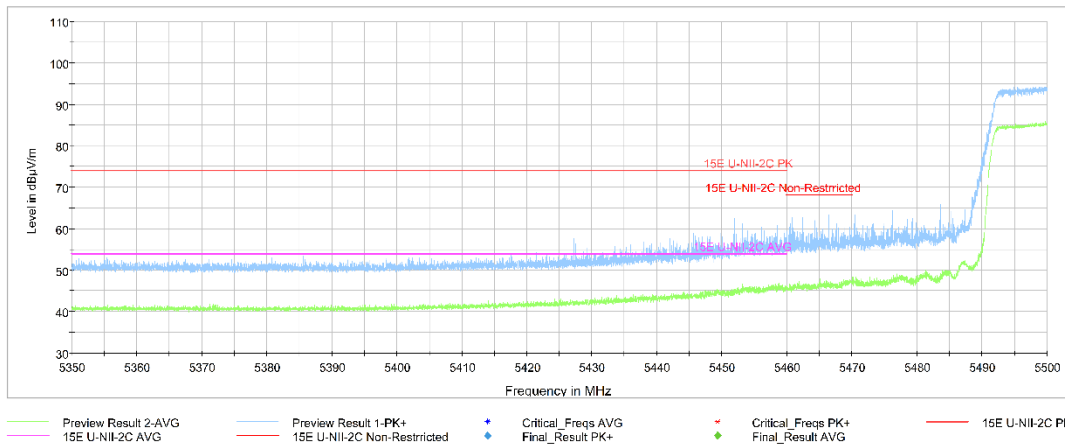
**Fig. 68 Band Edges (802.11ac-HT40 Ch134, 5670MHz)**



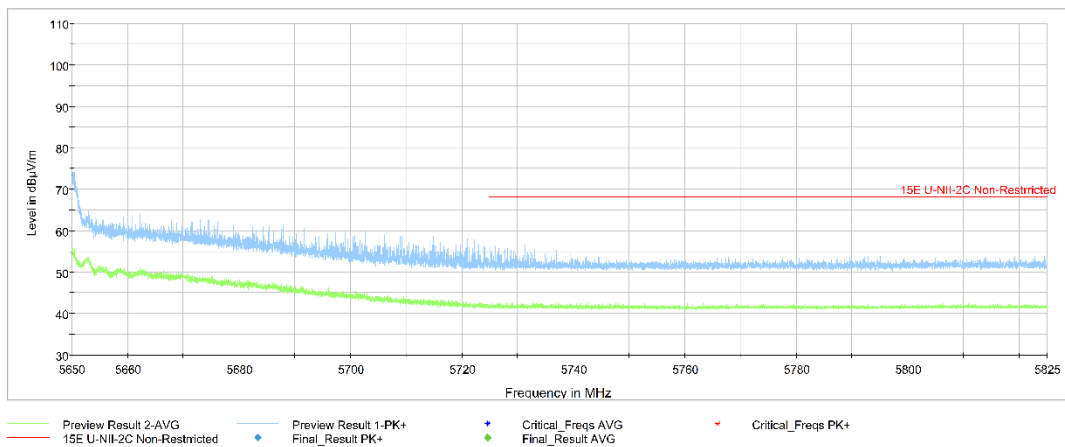
**Fig. 69 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)**



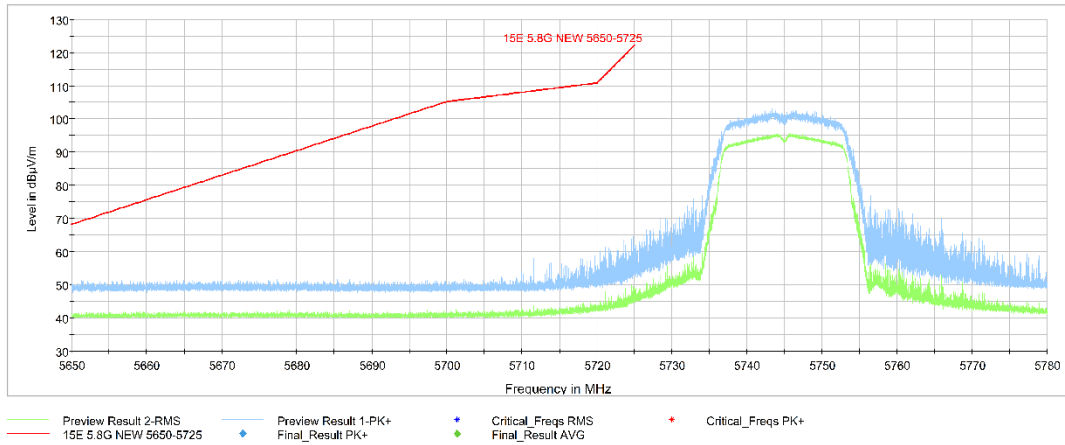
**Fig. 70 Band Edges (802.11ac-HT80 Ch58, 5290MHz)**



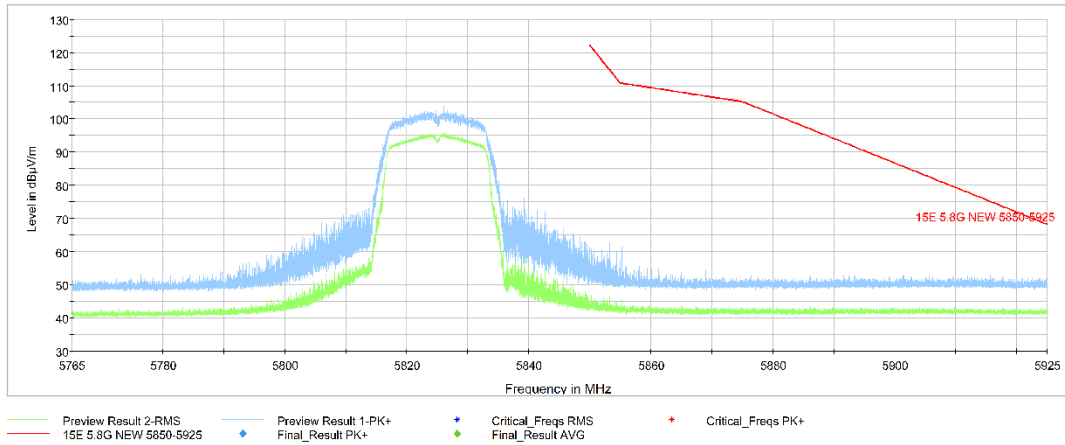
**Fig. 71 Band Edges (802.11ac-HT80 Ch106, 5530MHz)**



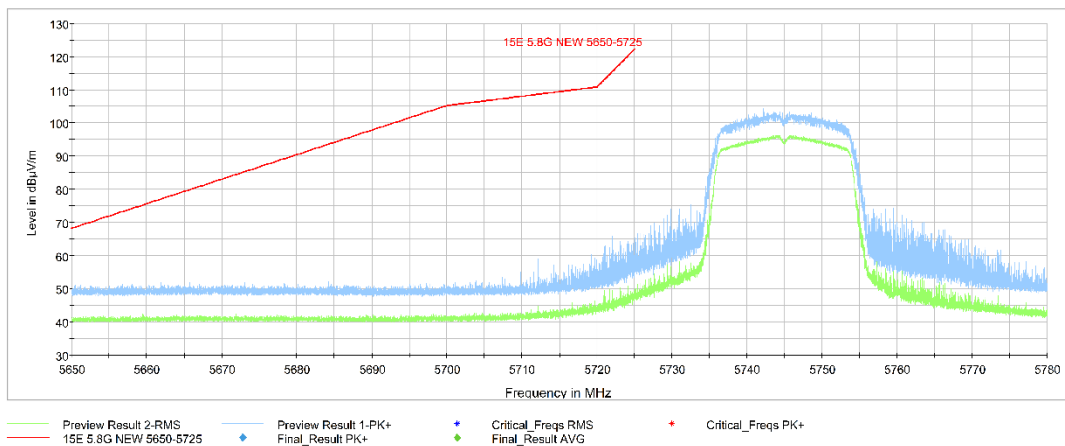
**Fig. 72 Band Edges (802.11ac-HT80 Ch122, 5610MHz)**



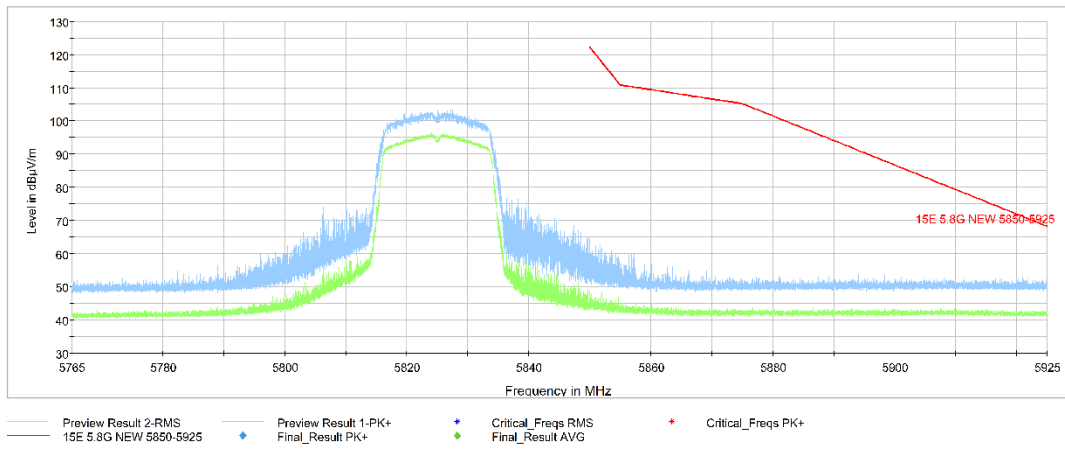
**Fig. 73 Band Edges (802.11a Ch149,5745MHz)**



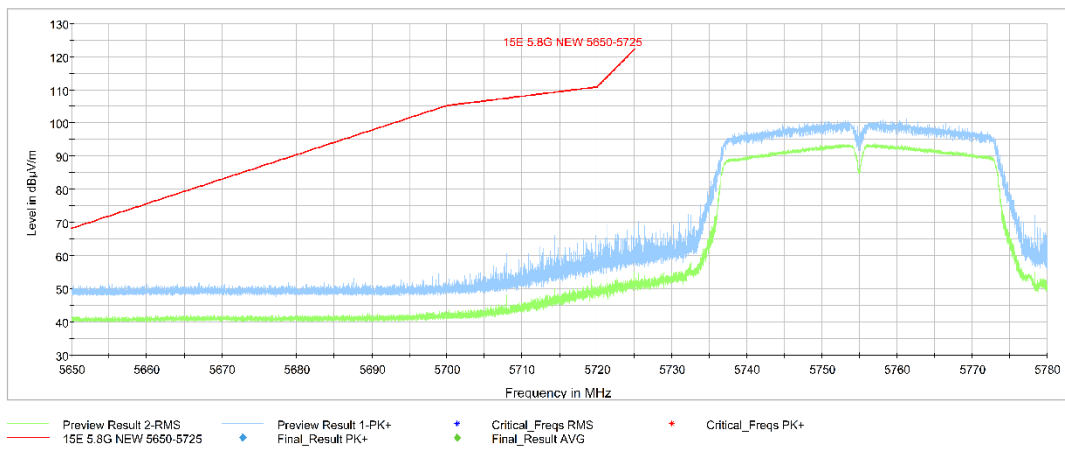
**Fig. 74 Band Edges (802.11a Ch165, 5825MHz)**



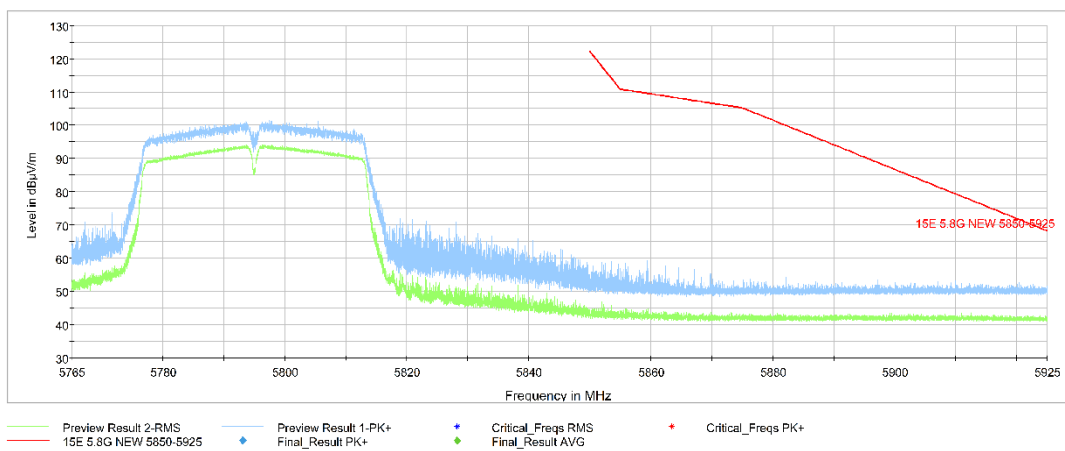
**Fig. 75 Band Edges (802.11n-HT20 Ch149, 5745MHz)**



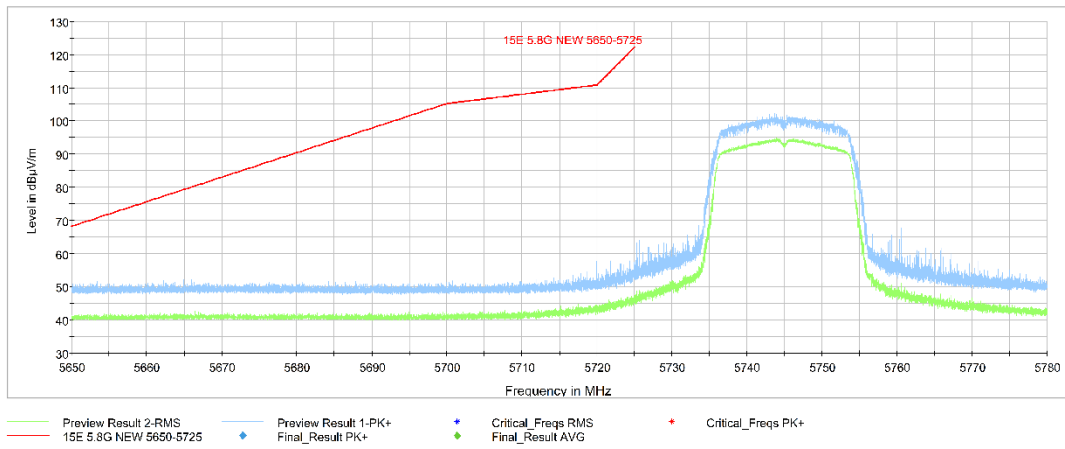
**Fig. 76 Band Edges (802.11n-HT20 Ch165, 5825MHz)**



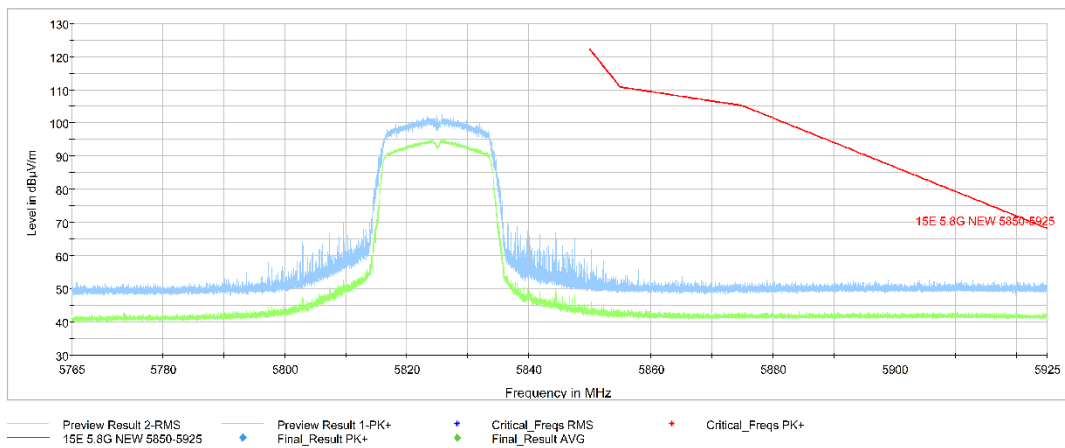
**Fig. 77 Band Edges (802.11n-HT40 Ch151, 5755MHz)**



**Fig. 78 Band Edges (802.11n-HT40 Ch159, 5795MHz)**



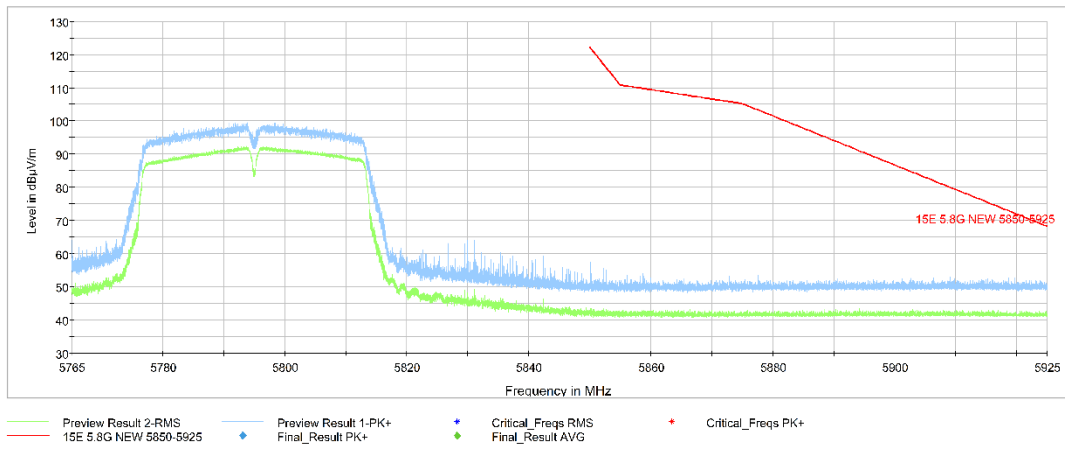
**Fig. 79 Band Edges (802.11ac-HT20 Ch149, 5745MHz)**



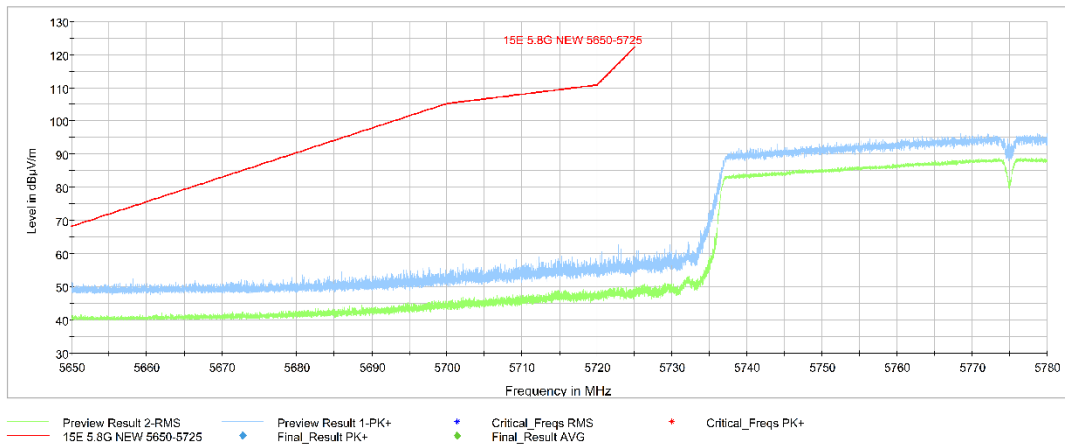
**Fig. 80 Band Edges (802.11ac-HT20 Ch165, 5825MHz)**



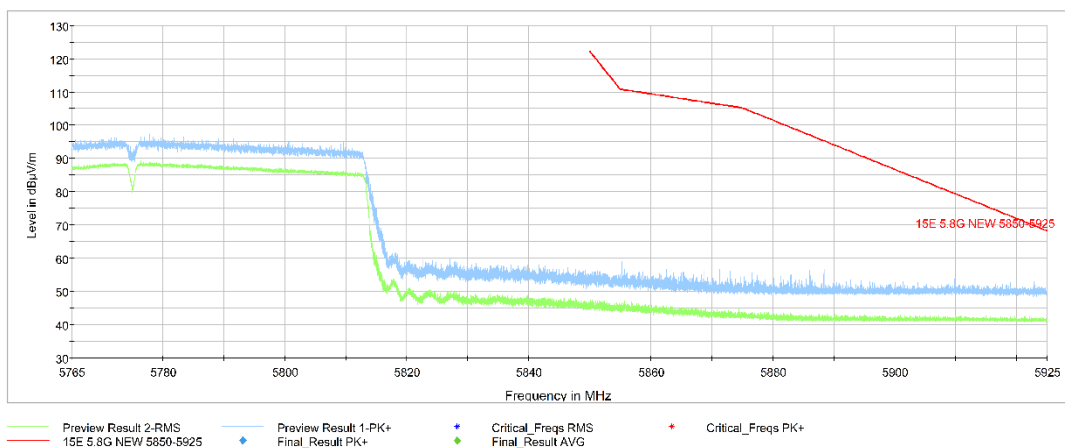
**Fig. 81 Band Edges (802.11ac-HT40 Ch151, 5755MHz)**



**Fig. 82 Band Edges (802.11ac-HT40 Ch159, 5795MHz)**



**Fig. 83 Band Edges (802.11ac-HT80 Ch155, 5775MHz)**



**Fig. 84 Band Edges (802.11ac-HT80, 5775MHz)**



## A.2. Transmitter Spurious Emission

### Measurement Limit:1&2A&2C

Standard	Limit
FCC 47 CFR Part 15.407	-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

### Measurement Limit: 3

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 ANSI C63.10-2013 and KDB 789033

### Measurement Results:

#### 802.11a mode

Mode	Channel	Test Results	Conclusion
802.11a	36(5180MHz)	---	P
	40(5200MHz)	---	P
	48(5240MHz)	---	P
	52(5260MHz)	---	P
	56(5280MHz)	---	P
	64(5320MHz)	---	P
	100(5500MHz)	---	P
	120(5600MHz)	---	P
	140(5700MHz)	---	P
	149(5745MHz)	---	P
	157(5785MHz)	---	P
	165(5825MHz)	---	P

**802.11n-HT20 mode**

Mode	Channel	Test Results	Conclusion
802.11n -HT20	36(5180MHz)	---	P
	40(5200MHz)	---	P
	48(5240MHz)	---	P
	52(5260MHz)	---	P
	56(5280MHz)	---	P
	64(5320MHz)	---	P
	100(5500MHz)	---	P
	120(5600MHz)	---	P
	140(5700MHz)	---	P
	149(5745MHz)	---	P
	157(5785MHz)	---	P
	165(5825MHz)	---	P

**802.11n-HT40 mode**

Mode	Channel	Test Results	Conclusion
802.11n HT40	38(5190MHz)	---	P
	46(5230MHz)	---	P
	54(5270MHz)	---	P
	62(5310MHz)	---	P
	102(5510MHz)	---	P
	118(5590MHz)	---	P
	134(5670MHz)	---	P
	151(5755MHz)	---	P
	159(5795MHz)	---	P

**802.11ac-HT20 mode**

Mode	Channel	Test Results	Conclusion
802.11ac -HT20	36(5180MHz)	---	P
	40(5200MHz)	---	P
	48(5240MHz)	---	P
	52(5260MHz)	---	P
	56(5280MHz)	---	P
	64(5320MHz)	---	P
	100(5500MHz)	---	P
	120(5600MHz)	---	P
	140(5700MHz)	---	P
	149(5745MHz)	---	P
	157(5785MHz)	---	P
	165(5825MHz)	---	P

**802.11ac-HT40 mode**

Mode	Channel	Test Results	Conclusion
802.11ac HT40	38(5190MHz)	---	P
	46(5230MHz)	---	P
	54(5270MHz)	---	P
	62(5310MHz)	---	P
	102(5510MHz)	---	P
	118(5590MHz)	---	P
	134(5670MHz)	---	P
802.11ac (HT40)	151(5755MHz)	---	P
	159(5795MHz)	---	P

**802.11ac-HT80 mode**

Mode	Channel	Test Results	Conclusion
802.11ac -HT80	42(5210MHz)	---	P
	58(5290MHz)	---	P
	106(5530MHz)	---	P
	122(5610MHz)	---	P
	155(5775MHz)	---	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.

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)
17905.400	42.01	-25.50	46.66	20.85	54.00	11.99	H
17954.350	41.93	-25.50	46.66	20.77	54.00	12.07	H
13325.000	39.39	-29.49	39.71	29.17	54.00	14.61	H
13315.100	39.33	-29.49	39.71	29.11	54.00	14.67	H
5147.900	47.30	-27.61	33.67	41.24	54.00	6.70	H
5147.440	47.06	-27.61	33.67	41.00	54.00	6.94	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)
17996.150	41.75	-25.50	46.66	20.59	54.00	12.25	H
17946.100	41.69	-25.50	46.66	20.53	54.00	12.31	H
13362.400	38.70	-29.49	39.71	28.48	54.00	15.30	H
13316.750	38.65	-29.49	39.71	28.43	54.00	15.35	V
11887.300	37.22	-31.85	39.05	30.02	54.00	16.78	H
11800.400	37.19	-31.85	39.05	29.99	54.00	16.81	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)
17908.700	41.70	-25.50	46.66	20.54	54.00	12.30	V
17989.000	41.60	-25.50	46.66	20.44	54.00	12.40	V
14486.050	38.78	-28.59	42.46	24.91	54.00	15.22	V
13306.300	38.77	-29.49	39.71	28.55	54.00	15.23	V
11892.800	37.29	-31.85	39.05	30.09	54.00	16.71	H
11868.050	37.25	-31.85	39.05	30.05	54.00	16.75	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)
17987.350	41.63	-25.50	46.66	20.47	54.00	12.37	H
17963.150	41.41	-25.50	46.66	20.25	54.00	12.59	H
14497.600	38.54	-28.59	42.46	24.67	54.00	15.46	V
13327.750	38.23	-29.49	39.71	28.01	54.00	15.77	H
10739.450	37.24	-32.77	38.49	31.52	54.00	16.76	V
11769.600	37.18	-31.99	38.98	30.19	54.00	16.82	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)
17943.900	41.84	-25.50	46.66	20.68	54.00	12.16	H
17974.150	41.51	-25.50	46.66	20.35	54.00	12.49	H
14482.200	38.48	-28.59	42.46	24.61	54.00	15.52	H
14475.050	38.29	-28.59	42.46	24.42	54.00	15.71	V
11821.850	37.13	-31.85	39.05	29.93	54.00	16.87	H
11863.650	37.10	-31.85	39.05	29.90	54.00	16.90	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)
17980.750	41.98	-25.50	46.66	20.82	54.00	12.02	V
17993.950	41.71	-25.50	46.66	20.55	54.00	12.29	V
13258.450	38.22	-29.67	39.55	28.34	54.00	15.78	H
14499.250	38.22	-28.59	42.46	24.35	54.00	15.78	H
5351.968	44.75	-27.43	34.01	38.17	54.00	9.25	H
5350.976	44.71	-27.43	34.01	38.13	54.00	9.29	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)
17918.050	41.60	-25.50	46.66	20.44	54.00	12.40	H
17987.900	41.40	-25.50	46.66	20.24	54.00	12.60	H
13325.550	38.43	-29.49	39.71	28.21	54.00	15.57	H
14498.150	38.39	-28.59	42.46	24.52	54.00	15.61	V
5458.090	44.83	-27.18	34.17	37.84	54.00	9.17	H
5459.755	44.48	-27.18	34.17	37.49	54.00	9.52	H

Channel 120

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)
17963.150	41.78	-25.50	46.66	20.62	54.00	12.22	V
17950.500	41.59	-25.50	46.66	20.43	54.00	12.41	V
14480.550	38.43	-28.59	42.46	24.56	54.00	15.57	V
14495.950	38.40	-28.59	42.46	24.53	54.00	15.60	V
11827.350	37.55	-31.85	39.05	30.35	54.00	16.45	V
11820.200	37.32	-31.85	39.05	30.12	54.00	16.68	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)
17935.100	42.09	-25.50	46.66	20.93	54.00	11.91	V
17982.400	42.07	-25.50	46.66	20.91	54.00	11.93	H
13317.300	38.65	-29.49	39.71	28.43	54.00	15.35	H
13306.300	38.46	-29.49	39.71	28.24	54.00	15.54	H
11807.000	37.11	-31.85	39.05	29.91	54.00	16.89	V
11848.800	37.01	-31.85	39.05	29.81	54.00	16.99	H

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)
17958.200	42.12	-25.50	46.66	20.96	54.00	11.88	V
17975.800	41.59	-25.50	46.66	20.43	54.00	12.41	V
13322.250	38.43	-29.49	39.71	28.21	54.00	15.57	V
16150.350	38.39	-26.77	38.93	26.23	54.00	15.61	H
11844.400	37.16	-31.85	39.05	29.96	54.00	16.84	V
10881.900	37.12	-32.33	38.59	30.86	54.00	16.88	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)
17985.700	41.60	-25.50	46.66	20.44	54.00	12.40	V
17989.000	41.43	-25.50	46.66	20.27	54.00	12.57	H
15969.400	38.78	-27.35	38.54	27.59	54.00	15.22	V
15971.600	38.70	-27.35	38.54	27.51	54.00	15.30	V
11800.400	37.16	-31.85	39.05	29.96	54.00	16.84	V
11782.800	37.05	-31.99	38.98	30.06	54.00	16.95	V

Channel 165

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.200	41.67	-25.50	46.66	20.51	54.00	12.33	H
17909.800	41.58	-25.50	46.66	20.42	54.00	12.42	H
14499.800	38.25	-28.59	42.46	24.38	54.00	15.75	V
16076.650	38.21	-26.77	38.93	26.05	54.00	15.79	V
11750.350	36.99	-31.99	38.98	30.00	54.00	17.01	V
11773.450	36.94	-31.99	38.98	29.95	54.00	17.06	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)
17927.950	41.59	-25.50	46.66	20.43	54.00	12.41	H
17973.050	41.52	-25.50	46.66	20.36	54.00	12.48	V
13340.400	38.50	-29.49	39.71	28.28	54.00	15.50	V
13314.000	38.49	-29.49	39.71	28.27	54.00	15.51	V
5149.480	48.13	-27.61	33.67	42.07	54.00	5.87	H
5148.980	47.82	-27.61	33.67	41.76	54.00	6.18	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)
17990.100	41.73	-25.50	46.66	20.57	54.00	12.27	V
17976.900	41.55	-25.50	46.66	20.39	54.00	12.45	V
13257.350	38.81	-29.67	39.55	28.93	54.00	15.19	H
14491.550	38.23	-28.59	42.46	24.36	54.00	15.77	V
11879.050	37.19	-31.85	39.05	29.99	54.00	16.81	H
11870.800	37.13	-31.85	39.05	29.93	54.00	16.87	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)
17927.950	41.80	-25.50	46.66	20.64	54.00	12.20	V
17960.950	41.60	-25.50	46.66	20.44	54.00	12.40	V
13310.150	38.46	-29.49	39.71	28.24	54.00	15.54	H
14488.800	38.38	-28.59	42.46	24.51	54.00	15.62	H
11856.500	37.74	-31.85	39.05	30.54	54.00	16.26	V
10872.000	37.08	-32.33	38.59	30.82	54.00	16.92	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)
17959.850	42.13	-25.50	46.66	20.97	54.00	11.87	H
17935.100	41.58	-25.50	46.66	20.42	54.00	12.42	V
14494.300	38.70	-28.59	42.46	24.83	54.00	15.30	H
13313.450	38.48	-29.49	39.71	28.26	54.00	15.52	H
11866.950	37.14	-31.85	39.05	29.94	54.00	16.86	H
11788.850	37.03	-31.99	38.98	30.04	54.00	16.97	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)
17962.050	41.60	-25.50	46.66	20.44	54.00	12.40	H
17940.050	41.58	-25.50	46.66	20.42	54.00	12.42	H
13336.000	38.58	-29.49	39.71	28.36	54.00	15.42	V
14488.800	38.37	-28.59	42.46	24.50	54.00	15.63	V
11875.750	37.23	-31.85	39.05	30.03	54.00	16.77	V
11773.450	37.16	-31.99	38.98	30.17	54.00	16.84	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)
17928.500	41.63	-25.50	46.66	20.47	54.00	12.37	H
17926.300	41.51	-25.50	46.66	20.35	54.00	12.49	H
13316.200	38.68	-29.49	39.71	28.46	54.00	15.32	V
14485.500	38.59	-28.59	42.46	24.72	54.00	15.41	V
5350.544	44.68	-27.43	34.01	38.10	54.00	9.32	H
5350.368	44.63	-27.43	34.01	38.05	54.00	9.37	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)
17991.200	41.90	-25.50	46.66	20.74	54.00	12.10	H
17959.300	41.64	-25.50	46.66	20.48	54.00	12.36	H
13325.550	38.32	-29.49	39.71	28.10	54.00	15.68	V
14499.250	38.31	-28.59	42.46	24.44	54.00	15.69	V
5457.040	44.89	-27.18	34.17	37.90	54.00	9.11	H
5459.710	44.84	-27.18	34.17	37.85	54.00	9.16	H

Channel 120

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)
17987.900	41.74	-25.50	46.66	20.58	54.00	12.26	V
17917.500	41.56	-25.50	46.66	20.40	54.00	12.44	H
13327.750	38.64	-29.49	39.71	28.42	54.00	15.36	V
13277.150	38.57	-29.67	39.55	28.69	54.00	15.43	V
11780.600	37.36	-31.99	38.98	30.37	54.00	16.64	V
11849.350	37.28	-31.85	39.05	30.08	54.00	16.72	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)
17959.850	41.61	-25.50	46.66	20.45	54.00	12.39	H
17967.550	41.42	-25.50	46.66	20.26	54.00	12.58	H
13312.900	38.31	-29.49	39.71	28.09	54.00	15.69	H
14487.150	38.28	-28.59	42.46	24.41	54.00	15.72	V
11770.150	37.43	-31.99	38.98	30.44	54.00	16.57	H
11801.500	37.37	-31.85	39.05	30.17	54.00	16.63	V

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)
17715.650	37.18	-25.74	45.95	16.97	54.00	16.82	H
17910.350	37.13	-25.50	46.66	15.97	54.00	16.87	H
13381.100	35.67	-29.49	39.71	25.45	54.00	18.33	H
13395.400	35.49	-29.49	39.71	25.27	54.00	18.51	H
11925.800	34.89	-31.48	39.09	27.28	54.00	19.11	V
11889.500	34.74	-31.85	39.05	27.54	54.00	19.26	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)
17995.600	36.83	-25.50	46.66	15.67	54.00	17.17	H
17978.000	36.61	-25.50	46.66	15.45	54.00	17.39	H
13320.050	35.55	-29.49	39.71	25.33	54.00	18.45	V
13331.050	35.52	-29.49	39.71	25.30	54.00	18.48	V
11772.900	34.85	-31.99	38.98	27.86	54.00	19.15	V
11144.800	34.84	-32.60	38.75	28.70	54.00	19.16	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)
17703.550	36.46	-25.74	45.95	16.25	54.00	17.54	H
17705.200	36.20	-25.74	45.95	15.99	54.00	17.80	H
13382.750	35.13	-29.49	39.71	24.91	54.00	18.87	V
13397.600	35.13	-29.49	39.71	24.91	54.00	18.87	V
11822.950	34.80	-31.85	39.05	27.60	54.00	19.20	V
11942.850	34.57	-31.48	39.09	26.96	54.00	19.43	V

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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)
17947.750	41.99	-25.50	46.66	20.83	54.00	12.01	H
17960.950	41.66	-25.50	46.66	20.50	54.00	12.34	V
14497.600	38.72	-28.59	42.46	24.85	54.00	15.28	V
13336.000	38.35	-29.49	39.71	28.13	54.00	15.65	H
5149.460	49.58	-27.61	33.67	43.52	54.00	4.42	H
5149.960	49.46	-27.61	33.67	43.40	54.00	4.54	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)
17942.800	41.54	-25.50	46.66	20.38	54.00	12.46	H
17908.700	41.44	-25.50	46.66	20.28	54.00	12.56	V
13287.050	38.37	-29.67	39.55	28.49	54.00	15.63	V
13292.000	38.27	-29.49	39.71	28.05	54.00	15.73	V
11883.450	37.30	-31.85	39.05	30.10	54.00	16.70	V
11902.150	37.23	-31.85	39.05	30.03	54.00	16.77	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)
17923.550	41.73	-25.50	46.66	20.57	54.00	12.27	H
17925.750	41.53	-25.50	46.66	20.37	54.00	12.47	V
13300.250	38.40	-29.49	39.71	28.18	54.00	15.60	H
13296.400	38.37	-29.49	39.71	28.15	54.00	15.63	H
11858.150	37.53	-31.85	39.05	30.33	54.00	16.47	V
11887.850	37.19	-31.85	39.05	29.99	54.00	16.81	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)
17932.900	41.66	-25.50	46.66	20.50	54.00	12.34	H
17932.350	41.59	-25.50	46.66	20.43	54.00	12.41	V
14491.550	38.94	-28.59	42.46	25.07	54.00	15.06	V
13324.450	38.43	-29.49	39.71	28.21	54.00	15.57	H
5350.464	49.04	-27.43	34.01	42.46	54.00	4.96	H
5350.576	48.94	-27.43	34.01	42.36	54.00	5.06	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)
17993.950	41.61	-25.50	46.66	20.45	54.00	12.39	H
17953.250	41.44	-25.50	46.66	20.28	54.00	12.56	V
14491.000	38.50	-28.59	42.46	24.63	54.00	15.50	H
14487.700	38.46	-28.59	42.46	24.59	54.00	15.54	V
5458.570	44.91	-27.18	34.17	37.92	54.00	9.09	H
5459.605	44.87	-27.18	34.17	37.88	54.00	9.13	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)
17973.600	41.82	-25.50	46.66	20.66	54.00	12.18	H
17937.850	41.63	-25.50	46.66	20.47	54.00	12.37	H
14494.300	38.57	-28.59	42.46	24.70	54.00	15.43	V
13309.050	38.40	-29.49	39.71	28.18	54.00	15.60	H
11840.000	37.11	-31.85	39.05	29.91	54.00	16.89	V
11770.150	37.09	-31.99	38.98	30.10	54.00	16.91	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)
17957.100	41.53	-25.50	46.66	20.37	54.00	12.47	H
17945.000	41.34	-25.50	46.66	20.18	54.00	12.66	H
14487.700	38.46	-28.59	42.46	24.59	54.00	15.54	V
13364.050	38.41	-29.49	39.71	28.19	54.00	15.59	V
11855.400	37.34	-31.85	39.05	30.14	54.00	16.66	V
11784.450	37.33	-31.99	38.98	30.34	54.00	16.67	V



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)
17715.100	36.72	-25.74	45.95	16.51	54.00	17.28	H
17718.950	36.59	-25.74	45.95	16.38	54.00	17.41	V
13338.750	35.19	-29.49	39.71	24.97	54.00	18.81	V
13391.000	35.15	-29.49	39.71	24.93	54.00	18.85	H
11941.750	34.73	-31.48	39.09	27.12	54.00	19.27	V
11926.350	34.66	-31.48	39.09	27.05	54.00	19.34	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)
17716.200	36.83	-25.74	45.95	16.62	54.00	17.17	H
17995.600	36.44	-25.50	46.66	15.28	54.00	17.56	V
12682.600	35.37	-30.47	39.06	26.78	54.00	18.63	H
12671.050	35.09	-30.47	39.06	26.50	54.00	18.91	H
7292.050	34.93	-35.00	36.55	33.38	54.00	19.07	V
11922.500	34.69	-31.48	39.09	27.08	54.00	19.31	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)
17923.000	41.89	-25.50	46.66	20.73	54.00	12.11	V
17940.050	41.80	-25.50	46.66	20.64	54.00	12.20	V
13326.100	38.70	-29.49	39.71	28.48	54.00	15.30	V
13303.000	38.67	-29.49	39.71	28.45	54.00	15.33	V
5147.080	46.80	-27.61	33.67	40.74	54.00	7.20	H
5148.360	46.67	-27.61	33.67	40.61	54.00	7.33	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)
17943.900	41.81	-25.50	46.66	20.65	54.00	12.19	V
17915.300	41.66	-25.50	46.66	20.50	54.00	12.34	H
13276.050	38.79	-29.67	39.55	28.91	54.00	15.21	V
13310.150	38.41	-29.49	39.71	28.19	54.00	15.59	V
11892.250	37.39	-31.85	39.05	30.19	54.00	16.61	H
11868.050	37.17	-31.85	39.05	29.97	54.00	16.83	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)
17976.350	41.98	-25.50	46.66	20.82	54.00	12.02	V
17905.400	41.86	-25.50	46.66	20.70	54.00	12.14	V
14493.750	38.39	-28.59	42.46	24.52	54.00	15.61	V
13293.100	38.36	-29.49	39.71	28.14	54.00	15.64	V
11855.950	37.16	-31.85	39.05	29.96	54.00	16.84	V
11873.000	37.08	-31.85	39.05	29.88	54.00	16.92	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)
17930.150	41.77	-25.50	46.66	20.61	54.00	12.23	H
17933.450	41.74	-25.50	46.66	20.58	54.00	12.26	V
13340.950	38.73	-29.49	39.71	28.51	54.00	15.27	V
13301.350	38.42	-29.49	39.71	28.20	54.00	15.58	H
11870.800	37.21	-31.85	39.05	30.01	54.00	16.79	V
11841.650	37.16	-31.85	39.05	29.96	54.00	16.84	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)
17955.450	41.79	-25.50	46.66	20.63	54.00	12.21	H
17933.450	41.76	-25.50	46.66	20.60	54.00	12.24	V
14489.350	38.52	-28.59	42.46	24.65	54.00	15.48	H
13296.400	38.26	-29.49	39.71	28.04	54.00	15.74	V
11863.650	37.17	-31.85	39.05	29.97	54.00	16.83	V
11873.000	37.10	-31.85	39.05	29.90	54.00	16.90	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)
17928.500	41.65	-25.50	46.66	20.49	54.00	12.35	H
17994.500	41.55	-25.50	46.66	20.39	54.00	12.45	H
13293.650	38.63	-29.49	39.71	28.41	54.00	15.37	V
13332.150	38.61	-29.49	39.71	28.39	54.00	15.39	V
5351.200	44.57	-27.43	34.01	37.99	54.00	9.43	H
5351.376	44.21	-27.43	34.01	37.63	54.00	9.79	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)
17976.900	42.12	-25.50	46.66	20.96	54.00	11.88	V
17948.850	41.62	-25.50	46.66	20.46	54.00	12.38	V
13336.000	38.43	-29.49	39.71	28.21	54.00	15.57	H
13321.150	38.39	-29.49	39.71	28.17	54.00	15.61	V
5457.370	43.29	-27.18	34.17	36.30	54.00	10.71	H
5455.750	43.00	-27.18	34.17	36.01	54.00	11.00	H

Channel 120

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	41.79	-25.50	46.66	20.63	54.00	12.21	V
17952.700	41.46	-25.50	46.66	20.30	54.00	12.54	H
13310.150	39.12	-29.49	39.71	28.90	54.00	14.88	V
13323.900	38.55	-29.49	39.71	28.33	54.00	15.45	H
11873.550	37.52	-31.85	39.05	30.32	54.00	16.48	V
11840.000	37.25	-31.85	39.05	30.05	54.00	16.75	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)
17957.650	41.69	-25.50	46.66	20.53	54.00	12.31	V
17922.450	41.57	-25.50	46.66	20.41	54.00	12.43	H
13326.650	38.78	-29.49	39.71	28.56	54.00	15.22	H
14482.750	38.57	-28.59	42.46	24.70	54.00	15.43	V
11769.600	37.27	-31.99	38.98	30.28	54.00	16.73	V
11839.450	37.22	-31.85	39.05	30.02	54.00	16.78	H

Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17949.950	41.40	-25.50	46.66	20.24	54.00	12.60	V
17922.450	41.33	-25.50	46.66	20.17	54.00	12.67	H
14497.600	38.25	-28.59	42.46	24.38	54.00	15.75	H
14499.800	38.25	-28.59	42.46	24.38	54.00	15.75	V
11813.050	37.24	-31.85	39.05	30.04	54.00	16.76	V
11771.800	37.11	-31.99	38.98	30.12	54.00	16.89	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)
17962.600	41.66	-25.50	46.66	20.50	54.00	12.34	V
17949.400	41.53	-25.50	46.66	20.37	54.00	12.47	H
14494.300	38.38	-28.59	42.46	24.51	54.00	15.62	V
13314.000	38.37	-29.49	39.71	28.15	54.00	15.63	H
11843.300	37.22	-31.85	39.05	30.02	54.00	16.78	V
11854.850	37.14	-31.85	39.05	29.94	54.00	16.86	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)
17853.700	37.88	-25.50	46.66	16.72	54.00	16.12	H
17858.650	37.78	-25.50	46.66	16.62	54.00	16.22	H
13382.750	36.06	-29.49	39.71	25.84	54.00	17.94	V
13383.850	35.94	-29.49	39.71	25.72	54.00	18.06	H
11148.100	34.91	-32.60	38.75	28.77	54.00	19.09	V
11934.050	34.88	-31.48	39.09	27.27	54.00	19.12	V



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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)
17963.150	41.88	-25.50	46.66	20.72	54.00	12.12	H
17940.600	41.64	-25.50	46.66	20.48	54.00	12.36	V
13290.900	38.62	-29.67	39.55	28.74	54.00	15.38	V
13307.400	38.40	-29.49	39.71	28.18	54.00	15.60	V
5149.380	49.90	-27.61	33.67	43.84	54.00	4.10	H
5147.540	48.99	-27.61	33.67	42.93	54.00	5.01	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)
17941.150	41.83	-25.50	46.66	20.67	54.00	12.17	H
17968.650	41.61	-25.50	46.66	20.45	54.00	12.39	H
14489.900	38.39	-28.59	42.46	24.52	54.00	15.61	V
13327.200	38.35	-29.49	39.71	28.13	54.00	15.65	V
11903.250	37.08	-31.85	39.05	29.88	54.00	16.92	H
11892.800	37.03	-31.85	39.05	29.83	54.00	16.97	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)
17996.700	41.82	-25.50	46.66	20.66	54.00	12.18	V
17919.700	41.52	-25.50	46.66	20.36	54.00	12.48	H
13304.650	38.54	-29.49	39.71	28.32	54.00	15.46	V
13292.550	38.50	-29.49	39.71	28.28	54.00	15.50	H
11360.950	37.20	-32.42	38.79	30.83	54.00	16.80	V
11836.700	37.03	-31.85	39.05	29.83	54.00	16.97	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)
17935.100	41.62	-25.50	46.66	20.46	54.00	12.38	H
17940.600	41.52	-25.50	46.66	20.36	54.00	12.48	H
13295.850	38.50	-29.49	39.71	28.28	54.00	15.50	H
13322.800	38.39	-29.49	39.71	28.17	54.00	15.61	H
5351.136	47.35	-27.43	34.01	40.77	54.00	6.65	H
5350.256	46.93	-27.43	34.01	40.35	54.00	7.07	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)
17929.050	41.82	-25.50	46.66	20.66	54.00	12.18	V
17945.000	41.44	-25.50	46.66	20.28	54.00	12.56	H
14497.600	38.45	-28.59	42.46	24.58	54.00	15.55	H
13329.400	38.31	-29.49	39.71	28.09	54.00	15.69	V
5459.695	43.47	-27.18	34.17	36.48	54.00	10.53	H
5455.165	43.46	-27.18	34.17	36.47	54.00	10.54	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)
17981.850	41.80	-25.50	46.66	20.64	54.00	12.20	V
17929.050	41.77	-25.50	46.66	20.61	54.00	12.23	H
13326.100	38.70	-29.49	39.71	28.48	54.00	15.30	V
14498.700	38.65	-28.59	42.46	24.78	54.00	15.35	H
11799.850	37.20	-31.85	39.05	30.00	54.00	16.80	H
11771.250	37.11	-31.99	38.98	30.12	54.00	16.89	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)
17932.350	41.67	-25.50	46.66	20.51	54.00	12.33	H
17998.350	41.48	-25.50	46.66	20.32	54.00	12.52	H
14499.250	38.44	-28.59	42.46	24.57	54.00	15.56	V
13298.050	38.23	-29.49	39.71	28.01	54.00	15.77	H
11853.750	37.31	-31.85	39.05	30.11	54.00	16.69	V
10862.100	37.25	-32.33	38.59	30.99	54.00	16.75	H



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)
17764.050	36.69	-25.50	46.66	15.53	54.00	17.31	H
17721.700	36.64	-25.74	45.95	16.43	54.00	17.36	H
13398.150	35.22	-29.49	39.71	25.00	54.00	18.78	V
13376.150	35.21	-29.49	39.71	24.99	54.00	18.79	V
11891.150	34.59	-31.85	39.05	27.39	54.00	19.41	V
11891.700	34.56	-31.85	39.05	27.36	54.00	19.44	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)
17738.200	36.32	-25.50	46.66	15.16	54.00	17.68	V
17709.600	36.30	-25.74	45.95	16.09	54.00	17.70	H
13395.950	35.56	-29.49	39.71	25.34	54.00	18.44	V
13399.250	35.30	-29.49	39.71	25.08	54.00	18.70	V
7290.950	34.92	-35.00	36.55	33.37	54.00	19.08	V
11926.350	34.46	-31.48	39.09	26.85	54.00	19.54	H

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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)
17933.450	41.53	-25.50	46.66	20.37	54.00	12.47	H
17893.300	41.50	-25.50	46.66	20.34	54.00	12.50	H
13317.300	38.44	-29.49	39.71	28.22	54.00	15.56	V
13291.450	38.32	-29.49	39.71	28.10	54.00	15.68	V
5149.940	46.69	-27.61	33.67	40.63	54.00	7.31	H
5149.540	46.63	-27.61	33.67	40.57	54.00	7.37	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)
17927.400	41.59	-25.50	46.66	20.43	54.00	12.41	V
17934.550	41.59	-25.50	46.66	20.43	54.00	12.41	H
14487.700	39.18	-28.59	42.46	25.31	54.00	14.82	H
13328.850	38.48	-29.49	39.71	28.26	54.00	15.52	H
5354.752	48.59	-27.43	34.01	42.01	54.00	5.41	H
5350.304	48.52	-27.43	34.01	41.94	54.00	5.48	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)
17973.600	41.59	-25.50	46.66	20.43	54.00	12.41	V
17939.500	41.50	-25.50	46.66	20.34	54.00	12.50	H
13316.200	38.46	-29.49	39.71	28.24	54.00	15.54	V
13310.150	38.41	-29.49	39.71	28.19	54.00	15.59	H
5458.825	46.93	-27.18	34.17	39.94	54.00	7.07	H
5453.200	46.61	-27.18	34.17	39.62	54.00	7.39	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)
17931.800	41.91	-25.50	46.66	20.75	54.00	12.09	H
17938.400	41.89	-25.50	46.66	20.73	54.00	12.11	H
13320.600	38.61	-29.49	39.71	28.39	54.00	15.39	V
13325.000	38.49	-29.49	39.71	28.27	54.00	15.51	H
11873.000	37.41	-31.85	39.05	30.21	54.00	16.59	H
11821.850	37.22	-31.85	39.05	30.02	54.00	16.78	V

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)
17704.100	36.22	-25.74	45.95	16.01	54.00	17.78	V
17709.050	36.19	-25.74	45.95	15.98	54.00	17.81	H
13289.800	35.44	-29.67	39.55	25.56	54.00	18.56	V
13390.450	35.37	-29.49	39.71	25.15	54.00	18.63	H
11890.600	34.44	-31.85	39.05	27.24	54.00	19.56	H
9494.250	34.40	-33.19	37.93	29.67	54.00	19.60	H



**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)
17993.400	53.67	-25.50	46.66	32.51	74.00	20.33	V
17437.900	53.21	-26.85	45.25	34.81	68.20	14.99	V
13730.350	51.00	-29.10	40.86	39.23	68.20	17.20	V
13700.650	50.95	-29.10	40.86	39.18	68.20	17.25	H
5149.900	70.80	-27.61	33.67	64.74	74.00	3.20	H
5147.820	69.97	-27.61	33.67	63.91	74.00	4.03	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)
17216.250	52.87	-25.95	44.35	34.46	68.20	15.33	V
17933.450	52.46	-25.50	46.66	31.30	74.00	21.54	H
14090.050	51.17	-29.44	41.66	38.95	68.20	17.03	H
13684.700	50.75	-29.50	40.43	39.82	68.20	17.45	V
10743.850	48.87	-32.77	38.49	43.15	74.00	25.13	H
11311.450	47.73	-32.36	38.77	41.33	74.00	26.27	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)
17936.200	52.98	-25.50	46.66	31.82	74.00	21.02	H
17439.550	52.87	-26.85	45.25	34.47	68.20	15.33	H
14179.150	50.45	-28.99	42.00	37.43	68.20	17.75	V
13679.200	50.34	-29.50	40.43	39.41	68.20	17.86	V
11789.400	47.77	-31.99	38.98	40.78	74.00	26.23	V
11807.550	47.72	-31.85	39.05	40.52	74.00	26.28	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)
17349.350	52.95	-25.95	44.35	34.54	68.20	15.25	H
17963.700	52.29	-25.50	46.66	31.13	74.00	21.71	V
13779.850	50.12	-29.10	40.86	38.35	68.20	18.08	H
13805.150	50.04	-29.10	40.86	38.27	68.20	18.16	H
11365.900	48.36	-32.42	38.79	41.99	74.00	25.64	H
10770.250	47.82	-32.77	38.49	42.10	74.00	26.18	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)
17452.750	52.68	-26.85	45.25	34.28	68.20	15.52	H
17342.750	52.64	-25.95	44.35	34.23	68.20	15.56	V
13766.100	50.01	-29.10	40.86	38.24	68.20	18.19	V
14645.000	49.94	-27.29	41.90	35.33	68.20	18.26	H
11217.400	48.15	-32.60	38.75	42.01	74.00	25.85	V
11786.100	47.89	-31.99	38.98	40.90	74.00	26.11	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)
17556.700	52.40	-26.85	45.25	34.00	68.20	15.80	H
17953.800	52.28	-25.50	46.66	31.12	74.00	21.72	H
13639.600	50.77	-29.50	40.43	39.84	68.20	17.43	V
13609.900	50.53	-29.50	40.43	39.60	68.20	17.67	V
5350.112	61.86	-27.43	34.01	55.28	74.00	12.14	H
5350.448	60.61	-27.43	34.01	54.03	74.00	13.39	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)
17953.250	52.52	-25.50	46.66	31.36	74.00	21.48	V
17653.500	52.41	-25.74	45.95	32.20	68.20	15.79	V
13657.750	50.59	-29.50	40.43	39.66	68.20	17.61	H
13550.500	50.55	-29.56	39.99	40.12	68.20	17.65	V
5459.860	61.40	-27.18	34.17	54.41	74.00	12.60	H
5468.125	67.70	-27.18	34.17	60.71	68.20	0.50	H

Channel 120

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)
17178.850	53.37	-26.60	43.36	36.61	68.20	14.83	H
17561.650	52.26	-25.74	45.95	32.05	68.20	15.94	V
14081.250	50.43	-29.44	41.66	38.21	68.20	17.77	H
13689.650	50.36	-29.50	40.43	39.43	68.20	17.84	H
10478.200	47.70	-32.99	38.27	42.41	68.20	20.50	H
11386.250	47.56	-32.42	38.79	41.19	74.00	26.44	V

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)
17458.250	53.03	-26.85	45.25	34.63	68.20	15.17	H
17236.600	52.47	-25.95	44.35	34.06	68.20	15.73	V
14552.050	49.97	-27.29	41.90	35.36	68.20	18.23	H
13608.800	49.71	-29.50	40.43	38.78	68.20	18.49	V
5725.512	67.27	-27.07	34.31	60.03	68.20	0.93	H
5725.932	66.15	-27.07	34.31	58.91	68.20	2.05	H

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)
17254.200	52.24	-25.95	44.35	33.83	68.20	15.96	H
17644.150	52.23	-25.74	45.95	32.02	68.20	15.97	V
16865.350	51.56	-26.62	41.49	36.69	68.20	16.64	H
16465.500	51.53	-26.96	39.82	38.67	68.20	16.67	V
11783.900	48.09	-31.99	38.98	41.10	74.00	25.91	H
11814.700	48.07	-31.85	39.05	40.87	74.00	25.93	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)
17989.000	52.46	-25.50	46.66	31.30	74.00	21.54	H
17256.400	52.19	-25.95	44.35	33.78	68.20	16.01	V
16857.100	51.63	-26.62	41.49	36.76	68.20	16.57	H
16848.300	51.32	-26.62	41.49	36.45	68.20	16.88	H
11863.100	48.10	-31.85	39.05	40.90	74.00	25.90	V
11771.250	47.78	-31.99	38.98	40.79	74.00	26.22	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)
17954.900	52.53	-25.50	46.66	31.37	74.00	21.47	H
17969.750	52.28	-25.50	46.66	31.12	74.00	21.72	V
16965.450	51.65	-26.32	42.36	35.60	68.20	16.55	V
16460.550	51.40	-26.96	39.82	38.54	68.20	16.80	V
11761.900	47.67	-31.99	38.98	40.68	74.00	26.33	H
11826.800	47.54	-31.85	39.05	40.34	74.00	26.46	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)
17314.150	52.50	-25.95	44.35	34.09	68.20	15.70	H
17956.550	52.04	-25.50	46.66	30.88	74.00	21.96	V
13690.750	50.72	-29.50	40.43	39.79	68.20	17.48	H
13739.700	50.07	-29.10	40.86	38.30	68.20	18.13	V
5149.000	69.56	-27.61	33.67	63.50	74.00	4.44	H
5149.360	67.60	-27.61	33.67	61.54	74.00	6.40	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)
17925.200	52.74	-25.50	46.66	31.58	74.00	21.26	H
16947.300	52.50	-26.32	42.36	36.45	68.20	15.70	H
13628.600	50.28	-29.50	40.43	39.35	68.20	17.92	V
14572.950	49.93	-27.29	41.90	35.32	68.20	18.27	V
10034.350	48.21	-33.63	38.11	43.73	68.20	19.99	H
11921.950	48.06	-31.48	39.09	40.45	74.00	25.94	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)
17355.950	52.23	-25.95	44.35	33.82	68.20	15.97	V
16940.150	52.22	-26.32	42.36	36.17	68.20	15.98	H
13743.550	50.88	-29.10	40.86	39.11	68.20	17.32	H
14230.850	50.29	-28.99	42.00	37.27	68.20	17.91	H
11760.250	47.73	-31.99	38.98	40.74	74.00	26.27	V
10738.900	47.68	-32.77	38.49	41.96	74.00	26.32	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)
17639.750	52.28	-25.74	45.95	32.07	68.20	15.92	H
17452.750	52.27	-26.85	45.25	33.87	68.20	15.93	V
13654.450	50.67	-29.50	40.43	39.74	68.20	17.53	V
13725.400	50.10	-29.10	40.86	38.33	68.20	18.10	H
11214.650	48.30	-32.60	38.75	42.16	74.00	25.70	V
11895.000	48.08	-31.85	39.05	40.88	74.00	25.92	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)
17371.900	53.23	-25.95	44.35	34.82	68.20	14.97	V
17207.450	52.83	-26.60	43.36	36.07	68.20	15.37	V
13814.500	50.66	-29.10	40.86	38.89	68.20	17.54	H
13658.300	50.38	-29.50	40.43	39.45	68.20	17.82	V
11776.750	47.65	-31.99	38.98	40.66	74.00	26.35	H
11187.150	47.63	-32.60	38.75	41.49	74.00	26.37	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)
17050.700	53.27	-26.60	43.36	36.51	68.20	14.93	H
17346.600	52.89	-25.95	44.35	34.48	68.20	15.31	V
13688.000	50.94	-29.50	40.43	40.01	68.20	17.26	H
13606.050	50.47	-29.50	40.43	39.54	68.20	17.73	V
5350.688	64.46	-27.43	34.01	57.88	74.00	9.54	H
5350.240	62.47	-27.43	34.01	55.89	74.00	11.53	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)
17204.700	52.09	-26.60	43.36	35.33	68.20	16.11	H
17027.600	52.02	-26.32	42.36	35.97	68.20	16.18	V
14118.650	50.35	-28.99	42.00	37.33	68.20	17.85	V
13743.000	50.15	-29.10	40.86	38.38	68.20	18.05	H
5458.090	59.69	-27.18	34.17	52.70	74.00	14.31	H
5469.445	66.28	-27.18	34.17	59.29	68.20	1.92	H

Channel 120

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)
16855.450	52.49	-26.62	41.49	37.62	68.20	15.71	H
17995.600	52.49	-25.50	46.66	31.33	74.00	21.51	V
14183.000	50.85	-28.99	42.00	37.83	68.20	17.35	H
13173.200	49.96	-29.67	39.55	40.08	68.20	18.24	H
11412.650	48.69	-32.42	38.79	42.32	74.00	25.31	V
11467.650	48.09	-32.26	38.84	41.52	74.00	25.91	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)
17251.450	52.10	-25.95	44.35	33.69	68.20	16.10	H
16989.650	51.98	-26.32	42.36	35.93	68.20	16.22	H
14251.750	50.71	-28.42	42.34	36.79	68.20	17.49	V
13692.400	50.44	-29.50	40.43	39.51	68.20	17.76	V
5725.267	66.90	-27.07	34.31	59.66	68.20	1.30	H
5727.752	65.89	-27.07	34.31	58.65	68.20	2.31	H

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)
17222.850	48.07	-25.95	44.35	29.66	68.20	20.13	V
17232.750	47.74	-25.95	44.35	29.33	68.20	20.46	V
14086.750	47.51	-29.44	41.66	35.29	68.20	20.69	V
13920.650	46.79	-29.51	41.30	35.00	68.20	21.41	H
11784.450	45.93	-31.99	38.98	38.94	74.00	28.07	V
11034.250	45.81	-32.49	38.72	39.57	74.00	28.19	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)
17776.150	47.52	-25.50	46.66	26.36	74.00	26.48	V
17325.150	47.50	-25.95	44.35	29.09	68.20	20.70	H
13408.600	46.50	-29.49	39.71	36.28	68.20	21.70	H
14350.750	46.14	-28.42	42.34	32.22	68.20	22.06	H
8605.450	45.16	-34.38	37.93	41.61	68.20	23.04	V
9613.600	44.99	-33.06	37.97	40.08	68.20	23.21	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)
17236.600	47.29	-25.95	44.35	28.88	68.20	20.91	H
17703.550	47.07	-25.74	45.95	26.86	74.00	26.93	H
13817.250	46.65	-29.10	40.86	34.88	68.20	21.55	V
14417.850	45.99	-28.59	42.46	32.12	68.20	22.21	H
7302.500	45.63	-35.00	36.55	44.08	74.00	28.37	H
8573.550	45.15	-34.13	37.86	41.41	68.20	23.05	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)
17963.700	52.97	-25.50	46.66	31.81	74.00	21.03	V
17967.000	52.65	-25.50	46.66	31.49	74.00	21.35	H
13615.950	50.64	-29.50	40.43	39.71	68.20	17.56	H
13702.850	50.20	-29.10	40.86	38.43	68.20	18.00	H
5147.260	70.02	-27.61	33.67	63.96	74.00	3.98	H
5145.740	69.95	-27.61	33.67	63.89	74.00	4.05	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)
17986.800	52.49	-25.50	46.66	31.33	74.00	21.51	V
17950.500	52.41	-25.50	46.66	31.25	74.00	21.59	V
13732.000	50.68	-29.10	40.86	38.91	68.20	17.52	V
14591.100	50.28	-27.29	41.90	35.67	68.20	17.92	H
11909.300	48.24	-31.85	39.05	41.04	74.00	25.76	V
11870.800	48.17	-31.85	39.05	40.97	74.00	25.83	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)
17934.550	52.98	-25.50	46.66	31.82	74.00	21.02	H
17910.900	52.46	-25.50	46.66	31.30	74.00	21.54	V
13552.700	50.44	-29.56	39.99	40.01	68.20	17.76	V
14117.000	50.40	-28.99	42.00	37.38	68.20	17.80	H
11789.950	47.79	-31.99	38.98	40.80	74.00	26.21	V
10714.700	47.55	-32.77	38.49	41.83	74.00	26.45	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)
17414.250	52.53	-26.85	45.25	34.13	68.20	15.67	H
17041.350	52.49	-26.32	42.36	36.44	68.20	15.71	V
14560.300	50.86	-27.29	41.90	36.25	68.20	17.34	H
14588.350	50.59	-27.29	41.90	35.98	68.20	17.61	V
5352.240	68.37	-27.43	34.01	61.79	74.00	5.63	H
5350.016	68.15	-27.43	34.01	61.57	74.00	5.85	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)
17934.000	52.11	-25.50	46.66	30.95	74.00	21.89	V
17388.400	52.09	-26.85	45.25	33.69	68.20	16.11	V
13675.350	50.36	-29.50	40.43	39.43	68.20	17.84	V
13755.650	50.09	-29.10	40.86	38.32	68.20	18.11	V
5458.690	62.64	-27.18	34.17	55.65	74.00	11.36	H
5469.550	67.29	-27.18	34.17	60.30	68.20	0.91	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)
17992.300	52.53	-25.50	46.66	31.37	74.00	21.47	V
17941.700	52.52	-25.50	46.66	31.36	74.00	21.48	H
13724.850	50.52	-29.10	40.86	38.75	68.20	17.68	H
14640.050	50.29	-27.29	41.90	35.68	68.20	17.91	H
11398.900	48.71	-32.42	38.79	42.34	74.00	25.29	V
11851.550	48.01	-31.85	39.05	40.81	74.00	25.99	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)
17437.900	54.30	-26.85	45.25	35.90	68.20	13.90	V
17356.500	52.31	-25.95	44.35	33.90	68.20	15.89	H
14575.700	50.68	-27.29	41.90	36.07	68.20	17.52	V
13776.000	50.28	-29.10	40.86	38.51	68.20	17.92	H
5727.017	63.64	-27.07	34.31	56.40	68.20	4.56	H
5725.390	62.19	-27.07	34.31	54.95	68.20	6.01	H

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)
17273.450	48.06	-25.95	44.35	29.65	68.20	20.14	H
17242.650	47.93	-25.95	44.35	29.52	68.20	20.27	H
16783.950	46.53	-26.62	41.49	31.66	68.20	21.67	H
12772.250	46.31	-30.47	39.06	37.72	68.20	21.89	H
10289.000	45.48	-33.68	38.17	40.98	68.20	22.72	V
11451.700	45.24	-32.26	38.84	38.67	74.00	28.76	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)
17234.950	47.66	-25.95	44.35	29.25	68.20	20.54	V
17215.700	47.47	-25.95	44.35	29.06	68.20	20.73	H
13870.600	46.98	-29.51	41.30	35.19	68.20	21.22	V
16866.450	46.94	-26.62	41.49	32.07	68.20	21.26	V
8990.450	45.26	-33.28	38.19	40.35	68.20	22.94	H
11784.450	45.25	-31.99	38.98	38.26	74.00	28.75	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)
17919.700	53.36	-25.50	46.66	32.20	74.00	20.64	V
17149.700	53.11	-26.60	43.36	36.35	68.20	15.09	V
13946.500	50.12	-29.51	41.30	38.33	68.20	18.08	H
14202.800	50.01	-28.99	42.00	36.99	68.20	18.19	V
5147.760	68.56	-27.61	33.67	62.50	74.00	5.44	H
5148.960	67.31	-27.61	33.67	61.25	74.00	6.69	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)
16561.200	52.61	-26.87	40.65	38.83	68.20	15.59	H
17997.800	52.57	-25.50	46.66	31.41	74.00	21.43	V
13690.200	50.71	-29.50	40.43	39.78	68.20	17.49	H
13784.250	50.59	-29.10	40.86	38.82	68.20	17.61	H
11923.600	48.24	-31.48	39.09	40.63	74.00	25.76	H
10839.000	48.08	-32.33	38.59	41.82	74.00	25.92	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)
17216.250	52.63	-25.95	44.35	34.22	68.20	15.57	H
17979.100	52.53	-25.50	46.66	31.37	74.00	21.47	H
13581.850	50.20	-29.50	40.43	39.27	68.20	18.00	V
14162.650	50.18	-28.99	42.00	37.16	68.20	18.02	H
11692.600	48.75	-31.99	38.98	41.76	74.00	25.25	V
11847.150	47.62	-31.85	39.05	40.42	74.00	26.38	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)
17575.400	52.84	-25.74	45.95	32.63	68.20	15.36	V
17955.450	52.14	-25.50	46.66	30.98	74.00	21.86	V
14142.850	50.40	-28.99	42.00	37.38	68.20	17.80	H
13692.400	50.39	-29.50	40.43	39.46	68.20	17.81	H
11902.700	48.09	-31.85	39.05	40.89	74.00	25.91	H
10860.450	48.03	-32.33	38.59	41.77	74.00	25.97	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)
17945.000	52.99	-25.50	46.66	31.83	74.00	21.01	H
17975.800	52.86	-25.50	46.66	31.70	74.00	21.14	V
14090.050	50.94	-29.44	41.66	38.72	68.20	17.26	V
13800.200	50.02	-29.10	40.86	38.25	68.20	18.18	H
11859.800	48.09	-31.85	39.05	40.89	74.00	25.91	V
11844.950	48.03	-31.85	39.05	40.83	74.00	25.97	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)
17436.800	52.32	-26.85	45.25	33.92	68.20	15.88	H
17050.150	52.02	-26.60	43.36	35.26	68.20	16.18	V
13759.500	50.46	-29.10	40.86	38.69	68.20	17.74	H
13700.100	50.25	-29.10	40.86	38.48	68.20	17.95	H
5351.232	59.64	-27.43	34.01	53.06	74.00	14.36	H
5352.256	58.74	-27.43	34.01	52.16	74.00	15.26	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)
17974.150	53.04	-25.50	46.66	31.88	74.00	20.96	H
17243.750	52.67	-25.95	44.35	34.26	68.20	15.53	V
14123.600	50.70	-28.99	42.00	37.68	68.20	17.50	V
14582.300	50.48	-27.29	41.90	35.87	68.20	17.72	V
5459.635	56.24	-27.18	34.17	49.25	74.00	17.76	H
5467.780	61.38	-27.18	34.17	54.39	68.20	6.82	H



Channel 120

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	52.56	-25.50	46.66	31.40	74.00	21.44	V
17353.200	52.46	-25.95	44.35	34.05	68.20	15.74	V
14602.100	50.25	-27.29	41.90	35.64	68.20	17.95	V
14200.600	50.12	-28.99	42.00	37.10	68.20	18.08	H
11720.650	48.12	-31.99	38.98	41.13	74.00	25.88	V
11776.750	47.86	-31.99	38.98	40.87	74.00	26.14	V

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)
17363.100	53.22	-25.95	44.35	34.81	68.20	14.98	H
17935.650	52.87	-25.50	46.66	31.71	74.00	21.13	V
14103.800	50.60	-29.44	41.66	38.38	68.20	17.60	V
14109.300	50.33	-28.99	42.00	37.31	68.20	17.87	H
5725.302	64.40	-27.07	34.31	57.16	68.20	3.80	H
5725.373	63.27	-27.07	34.31	56.03	68.20	4.93	H

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)
17540.750	52.30	-26.85	45.25	33.90	68.20	15.90	V
17001.750	52.28	-26.32	42.36	36.23	68.20	15.92	H
16455.050	52.04	-26.96	39.82	39.18	68.20	16.16	H
16951.700	51.52	-26.32	42.36	35.47	68.20	16.68	V
11895.550	48.61	-31.85	39.05	41.41	74.00	25.39	V
11788.850	48.22	-31.99	38.98	41.23	74.00	25.78	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)
17246.500	52.03	-25.95	44.35	33.62	68.20	16.17	V
17978.550	51.92	-25.50	46.66	30.76	74.00	22.08	V
16980.850	51.16	-26.32	42.36	35.11	68.20	17.04	V
16496.300	50.92	-26.96	39.82	38.06	68.20	17.28	V
11783.350	47.83	-31.99	38.98	40.84	74.00	26.17	V
11819.650	47.82	-31.85	39.05	40.62	74.00	26.18	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)
17364.200	48.30	-25.95	44.35	29.89	68.20	19.90	H
17227.800	48.15	-25.95	44.35	29.74	68.20	20.05	H
14599.350	47.34	-27.29	41.90	32.73	68.20	20.86	V
16942.900	47.34	-26.32	42.36	31.29	68.20	20.86	H
11925.250	45.72	-31.48	39.09	38.11	74.00	28.28	V
10230.150	45.54	-33.33	38.15	40.72	68.20	22.66	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)
17436.800	52.83	-26.85	45.25	34.43	68.20	15.37	H
17634.800	52.16	-25.74	45.95	31.95	68.20	16.04	H
13678.650	50.65	-29.50	40.43	39.72	68.20	17.55	H
14552.050	50.61	-27.29	41.90	36.00	68.20	17.59	V
5147.320	69.40	-27.61	33.67	63.34	74.00	4.60	H
5142.060	68.71	-27.61	33.67	62.65	74.00	5.29	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)
17929.600	52.59	-25.50	46.66	31.43	74.00	21.41	H
17963.150	52.43	-25.50	46.66	31.27	74.00	21.57	V
13778.200	50.13	-29.10	40.86	38.36	68.20	18.07	H
13672.050	49.85	-29.50	40.43	38.92	68.20	18.35	H
11811.400	48.07	-31.85	39.05	40.87	74.00	25.93	V
11360.400	47.85	-32.42	38.79	41.48	74.00	26.15	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)
16438.000	52.55	-26.96	39.82	39.69	68.20	15.65	V
17949.400	52.49	-25.50	46.66	31.33	74.00	21.51	V
13674.800	51.02	-29.50	40.43	40.09	68.20	17.18	H
13723.750	50.95	-29.10	40.86	39.18	68.20	17.25	H
11781.150	48.19	-31.99	38.98	41.20	74.00	25.81	H
11252.600	48.01	-32.36	38.77	41.61	74.00	25.99	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)
17968.100	53.20	-25.50	46.66	32.04	74.00	20.80	H
17624.900	52.15	-25.74	45.95	31.94	68.20	16.05	H
13694.050	50.84	-29.10	40.86	39.07	68.20	17.36	H
14593.300	50.49	-27.29	41.90	35.88	68.20	17.71	V
5350.816	66.86	-27.43	34.01	60.28	74.00	7.14	H
5351.056	66.33	-27.43	34.01	59.75	74.00	7.67	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)
17449.450	52.52	-26.85	45.25	34.12	68.20	15.68	H
17580.900	52.33	-25.74	45.95	32.12	68.20	15.87	V
14142.850	50.15	-28.99	42.00	37.13	68.20	18.05	H
13690.200	50.12	-29.50	40.43	39.19	68.20	18.08	H
5457.865	58.29	-27.18	34.17	51.30	74.00	15.71	H
5469.310	67.84	-27.18	34.17	60.85	68.20	0.36	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)
17432.400	53.47	-26.85	45.25	35.07	68.20	14.73	V
17871.850	52.99	-25.50	46.66	31.83	74.00	21.01	V
13933.300	49.80	-29.51	41.30	38.01	68.20	18.40	H
13772.150	49.77	-29.10	40.86	38.00	68.20	18.43	H
11880.150	48.02	-31.85	39.05	40.82	74.00	25.98	H
11446.200	48.00	-32.42	38.79	41.63	74.00	26.00	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)
17435.700	53.39	-26.85	45.25	34.99	68.20	14.81	V
17979.650	52.43	-25.50	46.66	31.27	74.00	21.57	V
14679.650	50.79	-27.29	41.90	36.18	68.20	17.41	H
13703.400	49.87	-29.10	40.86	38.10	68.20	18.33	V
5725.127	59.66	-27.07	34.31	52.42	68.20	8.54	H
5725.775	57.98	-27.07	34.31	50.74	68.20	10.22	H

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)
17610.600	47.12	-25.74	45.95	26.91	68.20	21.08	V
17717.300	47.00	-25.74	45.95	26.79	74.00	27.00	V
14577.900	46.62	-27.29	41.90	32.01	68.20	21.58	V
14243.500	46.08	-28.99	42.00	33.06	68.20	22.12	H
10468.300	45.71	-32.99	38.27	40.42	68.20	22.49	V
10411.650	45.05	-33.22	38.19	40.08	68.20	23.15	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)
17672.750	47.73	-25.74	45.95	27.52	68.20	20.47	H
17133.750	47.24	-26.60	43.36	30.48	68.20	20.96	H
7298.650	46.41	-35.00	36.55	44.86	74.00	27.59	V
13943.750	45.93	-29.51	41.30	34.14	68.20	22.27	V
16787.800	45.92	-26.62	41.49	31.05	68.20	22.28	H
9725.800	45.51	-33.00	38.01	40.51	68.20	22.69	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)
17543.500	52.42	-26.85	45.25	34.02	68.20	15.78	H
17997.250	52.06	-25.50	46.66	30.90	74.00	21.94	H
13725.400	51.31	-29.10	40.86	39.54	68.20	16.89	V
13851.350	50.88	-29.51	41.30	39.09	68.20	17.32	H
5141.240	65.42	-27.61	33.67	59.36	74.00	8.58	H
5143.540	64.81	-27.61	33.67	58.75	74.00	9.19	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)
17924.100	52.62	-25.50	46.66	31.46	74.00	21.38	V
17896.600	52.47	-25.50	46.66	31.31	74.00	21.53	V
13708.900	50.38	-29.10	40.86	38.61	68.20	17.82	V
13725.950	50.24	-29.10	40.86	38.47	68.20	17.96	H
5353.904	66.52	-27.43	34.01	59.94	74.00	7.48	H
5352.112	66.15	-27.43	34.01	59.57	74.00	7.85	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)
17974.150	52.39	-25.50	46.66	31.23	74.00	21.61	H
17600.150	52.28	-25.74	45.95	32.07	68.20	15.92	V
13733.100	50.61	-29.10	40.86	38.84	68.20	17.59	H
13764.450	50.51	-29.10	40.86	38.74	68.20	17.69	H
5451.985	62.54	-27.18	34.17	55.55	74.00	11.46	H
5466.445	63.39	-27.18	34.17	56.40	68.20	4.81	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)
17538.000	52.53	-26.85	45.25	34.13	68.20	15.67	V
17256.400	52.40	-25.95	44.35	33.99	68.20	15.80	V
13731.450	50.55	-29.10	40.86	38.78	68.20	17.65	V
13769.950	50.25	-29.10	40.86	38.48	68.20	17.95	V
5731.358	56.66	-27.07	34.31	49.42	68.20	11.54	H
5726.073	56.24	-27.07	34.31	49.00	68.20	11.96	H

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)
17630.400	46.89	-25.74	45.95	26.68	68.20	21.31	H
17145.300	46.81	-26.60	43.36	30.05	68.20	21.39	H
13417.400	46.08	-29.49	39.71	35.86	68.20	22.12	V
12757.400	45.85	-30.47	39.06	37.26	68.20	22.35	H
8993.750	45.35	-33.28	38.19	40.44	68.20	22.85	V
10967.150	45.33	-32.82	38.70	39.45	74.00	28.67	V

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

**Test Condition:**

Voltage (V)	Frequency (Hz)
120	60

**Measurement uncertainty:**

Expanded measurement uncertainty for this test item is U =3.10dB, k=2.

**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)			Conclusion
		With charger			
		802.11a CH36	802.11a CH149	Idle	
0.15 to 0.5	66 to 56	Fig.85	Fig.86	Fig.87	<b>P</b>
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)

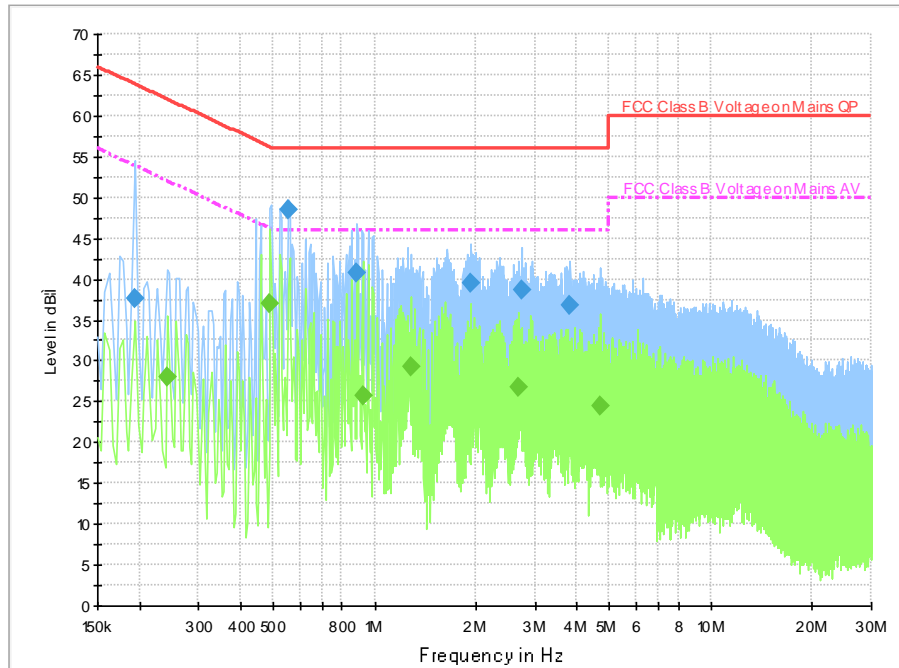
Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)			Conclusion
		With charger			
		802.11a CH36	802.11a CH149	Idle	
0.15 to 0.5	67 to 56	Fig.85	Fig.86	Fig.87	<b>P</b>
0.5 to 5	56				
5 to 30	60				

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

**Conclusion: PASS**

Test graphs as below:

**Traffic:**



**Fig. 85 Conducted Emission (802.11a, Ch36, TX)**

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

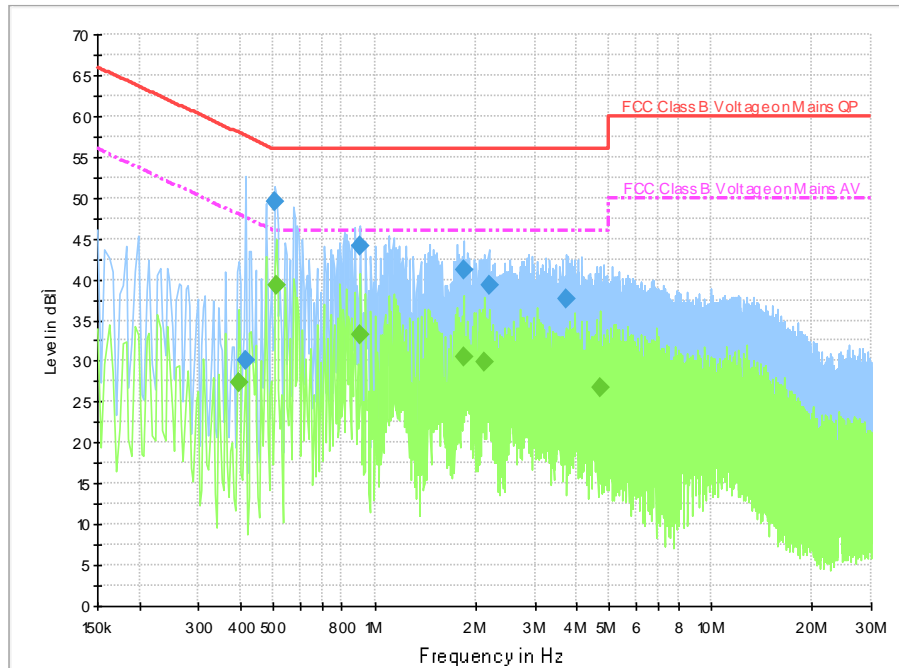
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	37.5	5000.0	9.000	On	N	19.7	26.3	63.9
0.554000	48.5	5000.0	9.000	On	L1	19.7	7.5	56.0
0.886000	40.8	5000.0	9.000	On	L1	19.7	15.2	56.0
1.930000	39.6	5000.0	9.000	On	L1	19.6	16.4	56.0
2.750000	38.6	5000.0	9.000	On	L1	19.6	17.4	56.0
3.822000	36.8	5000.0	9.000	On	L1	19.6	19.2	56.0

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	37.5	5000.0	9.000	On	N	19.7	26.3	63.9
0.554000	48.5	5000.0	9.000	On	L1	19.7	7.5	56.0
0.886000	40.8	5000.0	9.000	On	L1	19.7	15.2	56.0
1.930000	39.6	5000.0	9.000	On	L1	19.6	16.4	56.0
2.750000	38.6	5000.0	9.000	On	L1	19.6	17.4	56.0
3.822000	36.8	5000.0	9.000	On	L1	19.6	19.2	56.0

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



**Fig. 86 Conducted Emission (802.11a, Ch149, TX)**

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

**Final Result 1**

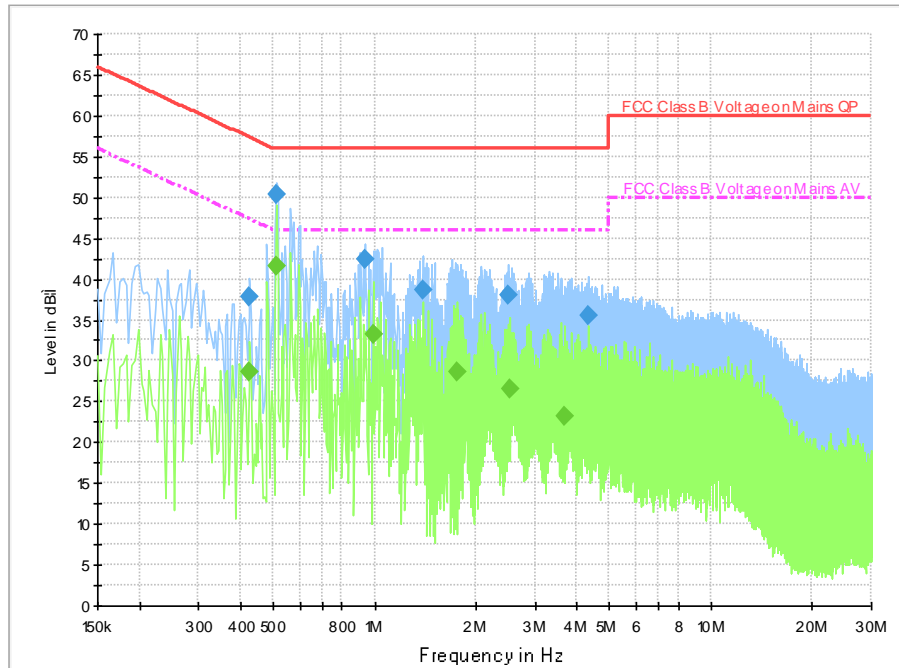
Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.414000	30.1	5000.	9.000	On	L1	19.7	27.5	57.6	
0.506000	49.6	5000.	9.000	On	L1	19.7	6.4	56.0	
0.910000	44.0	5000.	9.000	On	L1	19.7	12.0	56.0	
1.846000	41.2	5000.	9.000	On	L1	19.6	14.8	56.0	
2.186000	39.3	5000.	9.000	On	L1	19.6	16.7	56.0	
3.722000	37.6	5000.	9.000	On	L1	19.6	18.5	56.0	

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.394000	27.5	5000.	9.000	On	L1	19.7	20.5	48.0	
0.510000	39.4	5000.	9.000	On	L1	19.7	6.6	46.0	
0.910000	33.3	5000.	9.000	On	L1	19.7	12.8	46.0	
1.850000	30.6	5000.	9.000	On	L1	19.6	15.4	46.0	
2.126000	29.9	5000.	9.000	On	L1	19.6	16.1	46.0	
4.686000	26.8	5000.	9.000	On	L1	19.6	19.2	46.0	



Idle:



**Fig. 87 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 (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.426000	37.9	5000.0	9.000	On	L1	19.7	19.4	57.3
0.510000	50.4	5000.0	9.000	On	L1	19.7	5.6	56.0
0.938000	42.4	5000.0	9.000	On	L1	19.7	13.6	56.0
1.390000	38.7	5000.0	9.000	On	L1	19.6	17.3	56.0
2.490000	38.0	5000.0	9.000	On	L1	19.6	18.0	56.0
4.302000	35.5	5000.0	9.000	On	L1	19.6	20.5	56.0

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.426000	28.6	5000.0	9.000	On	L1	19.7	18.7	47.3
0.510000	41.5	5000.0	9.000	On	L1	19.7	4.5	46.0
0.990000	33.3	5000.0	9.000	On	L1	19.7	12.7	46.0
1.766000	28.7	5000.0	9.000	On	L1	19.6	17.3	46.0
2.518000	26.6	5000.0	9.000	On	L1	19.6	19.4	46.0
3.662000	23.2	5000.0	9.000	On	L1	19.6	22.8	46.0

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

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