



# FCC PART 15 TEST REPORT No.23T04Z70647-026

for

**Samsung Electronics Co., Ltd.**

**Notebook PC**

**Model Name: NP750XGL, NP750XGP, NP751XGL,  
NP751XGP, NP754XGL, NP754XGP, NP750XGK, NP750XGQ, NP754XGK,  
NP751XGK, NP751XGQ, NP754XGQ**

With

**FCC ID: ZCANP750XGL**

**Hardware Version: REV1.0**

**Software Version: Windows 11**

**Issued Date: 2024-01-16**

**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.

**Test Laboratory:**

**CTTL, Telecommunication Technology Labs, CAICT**

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## **REPORT HISTORY**

<b>Report Number</b>	<b>Revision</b>	<b>Description</b>	<b>Issue Date</b>
23T04Z70647-026	Rev.0	1st edition	2024-01-16

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## 1. TEST LABORATORY

### 1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

### 1.2. Testing Location

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 date

Testing Start Date: 2023-12-23

Testing End Date: 2024-01-08

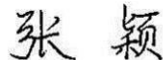
### 1.5. Signature



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Wang Xue

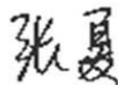
(Prepared this test report)



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Zhang Ying

(Reviewed this test report)



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Zhang Xia

Deputy Director of the laboratory

(Approved this test report)



## **2. CLIENT INFORMATION**

### **2.1 Applicant Information**

Company Name: Samsung Electronics Co., Ltd.  
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### **2.2 Manufacturer Information**

Company Name: Samsung Electronics Co., Ltd.  
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Contact: Minji Son  
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Fax: /

### 3. PRODUCT INFORMATION

#### 3.1. About EUT

Description	Notebook PC
Model name	NP750XGL,NP750XGP,NP751XGL,NP751XGP,NP754XGL,NP754XGP,NP750XGK,NP750XGQ,NP754XGK,NP751XGK,NP751XGQ,NP754XGQ
FCC ID	ZCANP750XGL

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of T CTTL-Telecommunication Technology Labs, CAICT

#### 3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
EUT1	2370647UT11a	REV1.0	Windows 11
EUT2	2370647UT21a	REV1.0	Windows 11

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

#### 3.3. Internal Identification of AE used during the test

AE ID*	Description	SN	Remarks
AE1	Travel Adapter	/	/
AE2	Travel Adapter	/	/
AE3	battery	/	/
AE1			
Model		/	
Manufacturer		SOLUM CO.,LTD.	
Length of cable		/	
AE2			
Model		/	
Manufacturer		DONGYANG	
Length of cable		/	
AE3			
Model		/	
Manufacturer		/	

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

### 3.4. General Description

The Equipment Under Test (EUT) was a Notebook PC with Bluetooth, Bluetooth Low Energy and 802.11 a/b/g/n/ac/ax capabilities in the 2.4 GHz and 5 GHz bands.

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

Samples undergoing test were selected by the Client.

For more EUT information please refers to the manufacturer's specifications or user's manual.

### 3.5. Test Configuration

For 802.11a mode the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, but not simultaneously.

For 802.11n20 & 802.11ac20 & 802.11ax20 (20 MHz channel bandwidth), 802.11n40 & 802.11ac40 & 802.11ax40 (40MHz channel bandwidth), 802.11ac80 & 802.11ax80 (80MHz channel bandwidth) and 802.11ac160 & 802.11ax160 (160MHz channel bandwidth) modes the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, and also simultaneously(MIMO).

The software DRTU provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

### 3.6. 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.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C and E: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.407 General technical requirements	2021
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12

Note: The test methods have no deviation with standards.



## 5. SUMMARY OF TEST RESULTS

### 5.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15	Verdict
Radiated Spurious Emission	15.407, 15.205, 15.209	<b>P</b>
AC Power line Conducted Emission	15.407, 15.207	<b>P</b>

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

Note: the other RF conducted test items are included in test report number: BL-SZ23A0865-604, which issued by Shenzhen BALUN Technology Co., Ltd. on Jan.15, 2024

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NP	Not Perform, The test was not performed by CTTL
BR	Re-use test data from basic model report.
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

### 5.2. Statements

The test cases as listed in section 5.1 of this report for the EUT specified in section 3 was performed by CTTL and according to the standards or reference documents listed in section 4.2

The EUT met all requirements of the standards or reference documents, and only the WLAN function was tested in this report.

### 5.3. Test Conditions

T nom	Normal Temperature
T min	Low Temperature
T max	High Temperature
V nom	Normal Voltage

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

Temperature	T nom	15-35°C
Voltage	V nom	15.4V
Humidity	H nom	20-75%

## 6. TEST EQUIPMENTS UTILIZED

### Radiated emission test system

No.	Equipment	Model	Manufacturer	Serial Number	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	R&S	103023	13 Months	2024-07-08
2	EMI Antenna	VULB 9163	SCHWARZBECK	01222	13 Months	2024-02-28
3	EMI Antenna	3115	ETS-Lindgren	6914	13 Months	2024-06-07
4	EMI Antenna	3116	ETS-Lindgren	2661	13 Months	2024-02-28

### AC Power Line Conducted Emission

No.	Equipment	Model	Manufacturer	Serial Number	Calibration Period	Calibration Due date
1	LISN	ENV216	R&S	101200	1 year	2024-06-05
2	Test Receiver	ESCI	R&S	100344	1 year	2024-02-21

## 7. Measurement Uncertainty

### Radiated Spurious Emission

Frequency Range	Uncertainty(dB) (k=2)
9kHz-30MHz	4.92
$30\text{MHz} \leq f \leq 1\text{GHz}$	4.72
$1\text{GHz} \leq f \leq 18\text{GHz}$	4.84
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.12

### AC Power-line Conducted Emission

Measurement Uncertainty: 3.08dB, k=2



## **ANNEX A: EUT parameters**

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

## **ANNEX B: Antenna Requirements**

According to FCC 47 CFR § 15.203, §15.407:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- (1) The antennas of the EUT are permanently attached.
- (2) The EUT complies with the requirement of §15.203, §15.407.

## **ANNEX C: Detailed Test Results**

### **C.1. Radiated Spurious Emission**

#### **Specification Reference**

FCC 47 CFR Part 15, Clause 15.407 (b), Clause 15.205, Clause 15.209

#### **Method of Measurement**

The measurement is made according to ANSI C63.10.

The radiated emission test is performed in semi-anechoic chamber. The EUT was placed on a non-conductive table with 80cm above the ground plane for measurement below 1GHz and 1.5m above the ground plane for measurement above 1GHz. The measurement antenna was placed at a distance of 3 meters from the EUT. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated from 0° to 360° and the measurement antenna is moved from 1m to 4m to get the maximization result. The maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

#### **Measurement Limit**

<b>Standard</b>	<b>Limit</b>
FCC 47 CFR Part 15.407	(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.

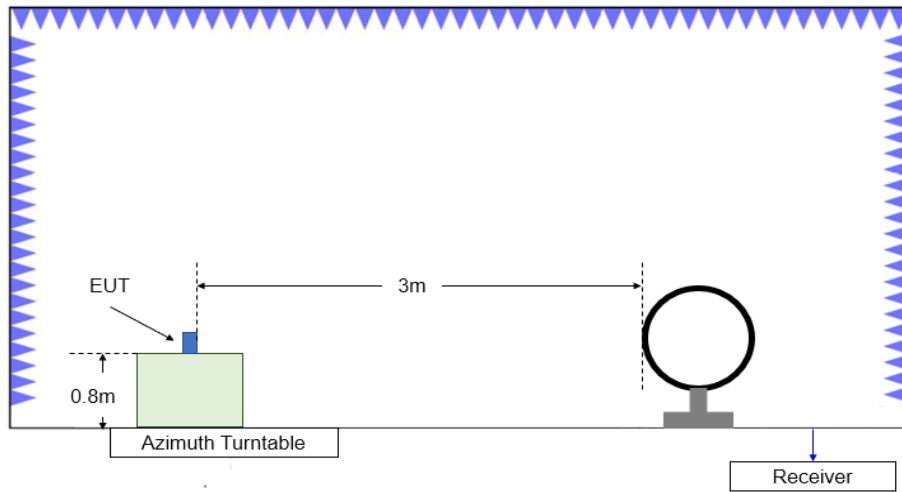
In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

Limit in restricted band:

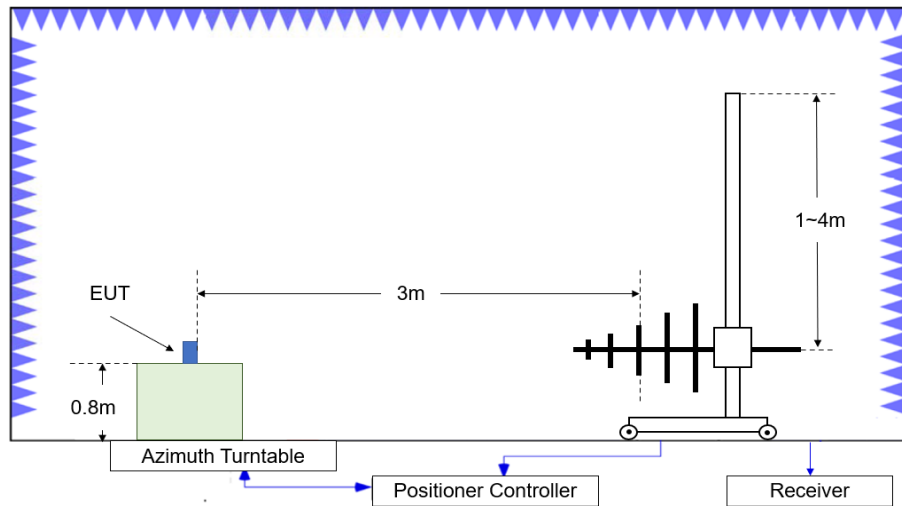
Frequency (MHz)	Field strength( $\mu$ V/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Frequency of emission (MHz)	Field strength(dB $\mu$ V/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

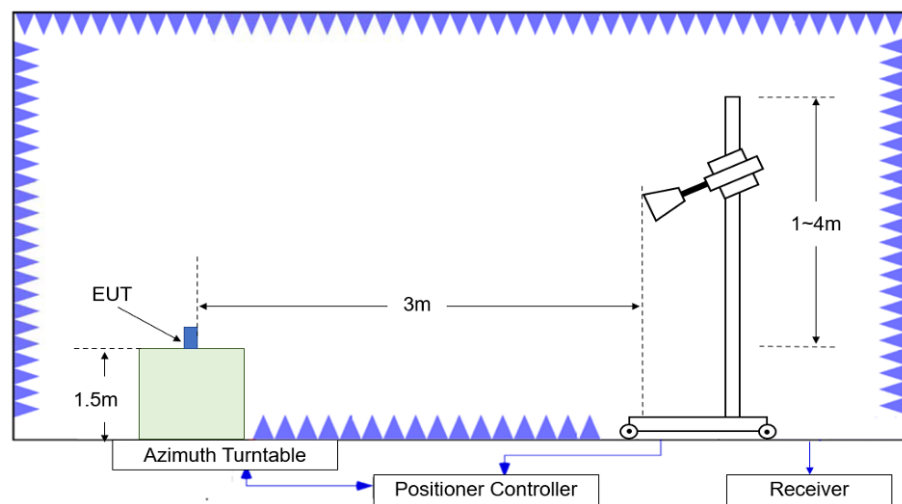
**Test setup**



**Test Site Diagram (9kHz-30MHz)**



**Test Site Diagram (30MHz-1GHz)**



**Test Site Diagram (1GHz-40GHz)**

### **Test Procedures**

Radiated unwanted emissions from the EUT were measured according to ANSI C63.10 and KDB 789033 D02 v02r01.

#### Test setting

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

### **Sample Calculation**

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:

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

### **Test note**

1. The EUT is operating at its maximum duty cycle and its maximum power control level.
2. Investigation has been done on all modes and modulations/data rates. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.
3. Spurious emissions for all channels were investigated and almost the same below 1GHz. According to FCC 47 CFR §15.31, emission levels are not report much lower than the limit by over 20dB
4. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept.
5. EUT in each of three orthogonal axis emissions had been tested out only the worst case (axis data) recorded in the report.
6. Measurement frequencies were performed from 9 kHz to the 10<sup>th</sup> harmonic of highest fundamental frequency or 40GHz, whichever is lower.
7. No spurious emissions were detected within 20dB of the limit below 30MHz. OFS and semi-chamber comparison testing had been performed and the result came out very similar. (KDB 414788)
8. The measurements were performed separately in Chain A, Chain B, and MIMO (Chain A+B), and only the worst cases are shown in this report.

### Test Result

#### Radiated Spurious Emission- above 1GHz

EUT ID: EUT1

The measurements were performed separately in Chain A, Chain B, and MIMO (Chain A+B), and only the worst cases are shown in this section.

#### 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)
17976.350	41.72	-29.59	45.95	25.36	54.00	12.28	V
17964.250	41.61	-29.59	45.95	25.25	54.00	12.39	H
14491.550	36.52	-29.56	41.90	24.18	54.00	17.48	H
14499.250	36.46	-29.56	41.90	24.12	54.00	17.54	H
5145.980	36.85	-27.79	34.00	30.64	54.00	17.15	V
5139.640	36.68	-27.79	34.00	30.47	54.00	17.32	V

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)
17971.950	40.84	-29.59	45.95	24.48	54.00	13.16	V
17957.100	40.82	-29.59	45.95	24.46	54.00	13.18	H
14491.000	35.96	-29.56	41.90	23.62	54.00	18.04	H
14498.700	35.78	-29.56	41.90	23.44	54.00	18.22	H
11904.900	34.59	-32.53	39.10	28.02	54.00	19.41	H
11902.150	34.41	-32.53	39.10	27.84	54.00	19.59	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)
17970.300	40.66	-29.59	45.95	24.30	54.00	13.34	H
17992.850	40.62	-29.59	45.95	24.26	54.00	13.38	H
14488.250	35.75	-29.56	41.90	23.41	54.00	18.25	H
14497.050	35.71	-29.56	41.90	23.37	54.00	18.29	V
11890.050	34.19	-32.53	39.10	27.62	54.00	19.81	H
11856.500	33.99	-32.73	39.15	27.57	54.00	20.01	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)
17992.850	40.40	-29.59	45.95	24.04	54.00	13.60	V
17981.300	40.26	-29.59	45.95	23.90	54.00	13.74	V
14493.200	35.55	-29.56	41.90	23.21	54.00	18.45	H
14492.650	35.12	-29.56	41.90	22.78	54.00	18.88	H
11891.700	33.69	-32.53	39.10	27.12	54.00	20.31	H
11904.350	33.68	-32.53	39.10	27.11	54.00	20.32	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)
17996.700	40.14	-29.59	45.95	23.78	54.00	13.86	V
17958.200	40.08	-29.59	45.95	23.72	54.00	13.92	V
14498.700	35.35	-29.56	41.90	23.01	54.00	18.65	H
14499.800	35.03	-29.56	41.90	22.69	54.00	18.97	H
11908.750	33.50	-32.53	39.10	26.93	54.00	20.50	V
11900.500	33.46	-32.53	39.10	26.89	54.00	20.54	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)
17959.300	40.49	-29.59	45.95	24.13	54.00	13.51	V
17979.650	40.32	-29.59	45.95	23.96	54.00	13.68	H
14495.950	35.34	-29.56	41.90	23.00	54.00	18.66	H
14492.100	35.16	-29.56	41.90	22.82	54.00	18.84	H
5381.664	36.03	-27.82	34.20	29.65	54.00	17.97	H
5457.168	35.99	-27.49	34.20	29.28	54.00	18.01	V

## 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)
17978.550	40.23	-29.59	45.95	23.87	54.00	13.77	V
17991.750	40.07	-29.59	45.95	23.71	54.00	13.93	H
14495.950	35.09	-29.56	41.90	22.75	54.00	18.91	V
14495.400	34.83	-29.56	41.90	22.49	54.00	19.17	V
5415.460	37.02	-27.94	34.30	30.66	54.00	16.98	H
5372.710	36.73	-27.82	34.20	30.35	54.00	17.27	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)
17976.350	40.43	-29.59	45.95	24.07	54.00	13.57	H
17971.950	40.37	-29.59	45.95	24.01	54.00	13.63	V
14497.050	35.23	-29.56	41.90	22.89	54.00	18.77	H
14499.250	35.23	-29.56	41.90	22.89	54.00	18.77	V
11914.250	33.60	-32.53	39.10	27.03	54.00	20.40	V
11794.350	33.50	-32.09	39.20	26.39	54.00	20.50	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)
17978.550	40.25	-29.59	45.95	23.89	54.00	13.75	H
17966.450	40.24	-29.59	45.95	23.88	54.00	13.76	H
14498.700	35.21	-29.56	41.90	22.87	54.00	18.79	V
14487.700	34.99	-29.56	41.90	22.65	54.00	19.01	H
11898.850	33.64	-32.53	39.10	27.07	54.00	20.36	V
11885.100	33.40	-32.53	39.10	26.83	54.00	20.60	V

**802.11n-HT20**

## 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)
17976.350	40.83	-29.59	45.95	24.47	54.00	13.17	H
17963.700	40.73	-29.59	45.95	24.37	54.00	13.27	H
14499.250	35.91	-29.56	41.90	23.57	54.00	18.09	H
14486.050	35.86	-29.56	41.90	23.52	54.00	18.14	H
5145.520	36.68	-27.79	34.00	30.47	54.00	17.32	V
5141.140	36.37	-27.79	34.00	30.16	54.00	17.63	V

## 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)
17962.600	41.13	-29.59	45.95	24.77	54.00	12.87	H
17960.950	40.65	-29.59	45.95	24.29	54.00	13.35	V
14470.650	35.67	-29.56	41.90	23.33	54.00	18.33	V
14493.750	35.45	-29.56	41.90	23.11	54.00	18.55	H
11897.200	34.12	-32.53	39.10	27.55	54.00	19.88	H
11899.400	34.01	-32.53	39.10	27.44	54.00	19.99	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)
17957.100	40.82	-29.59	45.95	24.46	54.00	13.18	V
17976.350	40.71	-29.59	45.95	24.35	54.00	13.29	H
14497.600	35.67	-29.56	41.90	23.33	54.00	18.33	H
14488.800	35.53	-29.56	41.90	23.19	54.00	18.47	V
11895.550	34.03	-32.53	39.10	27.46	54.00	19.97	H
11887.300	33.98	-32.53	39.10	27.41	54.00	20.02	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)
17971.950	40.46	-29.59	45.95	24.10	54.00	13.54	H
17954.900	40.39	-29.59	45.95	24.03	54.00	13.61	V
14499.250	35.10	-29.56	41.90	22.76	54.00	18.90	H
14489.900	35.02	-29.56	41.90	22.68	54.00	18.98	V
11906.550	33.66	-32.53	39.10	27.09	54.00	20.34	V
11909.300	33.54	-32.53	39.10	26.97	54.00	20.46	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)
17967.000	40.06	-29.59	45.95	23.70	54.00	13.94	V
17961.500	40.04	-29.59	45.95	23.68	54.00	13.96	V
14492.650	35.16	-29.56	41.90	22.82	54.00	18.84	V
14485.500	35.08	-29.56	41.90	22.74	54.00	18.92	V
11892.800	33.62	-32.53	39.10	27.05	54.00	20.38	V
11890.050	33.56	-32.53	39.10	26.99	54.00	20.44	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)
17958.200	40.36	-29.59	45.95	24.00	54.00	13.64	V
17957.650	40.26	-29.59	45.95	23.90	54.00	13.74	V
14499.800	35.07	-29.56	41.90	22.73	54.00	18.93	H
14473.400	35.04	-29.56	41.90	22.70	54.00	18.96	H
5355.168	37.13	-27.82	34.20	30.75	54.00	16.87	H
5358.416	37.08	-27.82	34.20	30.70	54.00	16.92	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)
17976.350	40.41	-29.59	45.95	24.05	54.00	13.59	H
17972.500	40.33	-29.59	45.95	23.97	54.00	13.67	V
14492.100	35.12	-29.56	41.90	22.78	54.00	18.88	V
14494.850	35.01	-29.56	41.90	22.67	54.00	18.99	V
5435.680	36.86	-27.94	34.30	30.50	54.00	17.14	V
5458.510	36.74	-27.49	34.20	30.03	54.00	17.26	V

## 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	40.37	-29.59	45.95	24.01	54.00	13.63	V
17979.650	40.25	-29.59	45.95	23.89	54.00	13.75	V
14498.700	35.15	-29.56	41.90	22.81	54.00	18.85	V
14491.000	35.08	-29.56	41.90	22.74	54.00	18.92	V
11919.200	33.79	-32.53	39.10	27.22	54.00	20.21	V
11889.500	33.69	-32.53	39.10	27.12	54.00	20.31	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)
17968.650	40.53	-29.59	45.95	24.17	54.00	13.47	H
17975.250	40.22	-29.59	45.95	23.86	54.00	13.78	V
14494.850	35.53	-29.56	41.90	23.19	54.00	18.47	V
14499.250	34.97	-29.56	41.90	22.63	54.00	19.03	V
11819.100	33.70	-32.09	39.20	26.59	54.00	20.30	V
11897.200	33.55	-32.53	39.10	26.98	54.00	20.45	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)
17969.200	41.17	-29.59	45.95	24.81	54.00	12.83	H
17977.450	41.12	-29.59	45.95	24.76	54.00	12.88	H
14488.800	35.69	-29.56	41.90	23.35	54.00	18.31	H
14484.400	35.65	-29.56	41.90	23.31	54.00	18.35	V
5149.660	43.35	-28.00	34.00	37.35	54.00	10.65	V
5148.700	43.28	-28.00	34.00	37.28	54.00	10.72	V

## 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)
17972.500	40.88	-29.59	45.95	24.52	54.00	13.12	H
17973.050	40.77	-29.59	45.95	24.41	54.00	13.23	H
14483.850	35.46	-29.56	41.90	23.12	54.00	18.54	V
14489.900	35.24	-29.56	41.90	22.90	54.00	18.76	V
11908.750	34.22	-32.53	39.10	27.65	54.00	19.78	V
11901.600	34.01	-32.53	39.10	27.44	54.00	19.99	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)
17997.250	40.64	-29.59	45.95	24.28	54.00	13.36	V
17988.450	40.47	-29.59	45.95	24.11	54.00	13.53	V
14489.900	35.32	-29.56	41.90	22.98	54.00	18.68	V
14491.000	35.17	-29.56	41.90	22.83	54.00	18.83	V
11890.600	33.80	-32.53	39.10	27.23	54.00	20.20	V
11909.300	33.54	-32.53	39.10	26.97	54.00	20.46	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)
17962.600	40.28	-29.59	45.95	23.92	54.00	13.72	H
17980.750	40.20	-29.59	45.95	23.84	54.00	13.80	H
14477.250	35.25	-29.56	41.90	22.91	54.00	18.75	V
14497.600	35.20	-29.56	41.90	22.86	54.00	18.80	V
5351.104	39.65	-27.82	34.20	33.27	54.00	14.35	V
5350.816	38.95	-27.82	34.20	32.57	54.00	15.05	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)
17977.450	40.03	-29.59	45.95	23.67	54.00	13.97	V
17969.750	40.01	-29.59	45.95	23.65	54.00	13.99	V
14498.700	35.17	-29.56	41.90	22.83	54.00	18.83	V
14490.450	35.14	-29.56	41.90	22.80	54.00	18.86	H
5454.250	36.85	-27.49	34.20	30.14	54.00	17.15	H
5418.745	36.75	-27.94	34.30	30.39	54.00	17.25	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)
17986.250	40.71	-29.59	45.95	24.35	54.00	13.29	H
17975.250	40.27	-29.59	45.95	23.91	54.00	13.73	V
14499.250	35.45	-29.56	41.90	23.11	54.00	18.55	H
14499.800	35.17	-29.56	41.90	22.83	54.00	18.83	H
11907.650	33.52	-32.53	39.10	26.95	54.00	20.48	V
11902.700	33.50	-32.53	39.10	26.93	54.00	20.50	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)
17978.550	40.70	-29.59	45.95	24.34	54.00	13.30	H
17995.600	40.44	-29.59	45.95	24.08	54.00	13.56	H
14497.050	35.07	-29.56	41.90	22.73	54.00	18.93	H
14496.500	34.98	-29.56	41.90	22.64	54.00	19.02	H
11896.100	33.85	-32.53	39.10	27.28	54.00	20.15	V
11872.450	33.60	-32.73	39.15	27.18	54.00	20.40	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)
17971.950	41.52	-29.59	45.95	25.16	54.00	12.48	H
17958.200	40.53	-29.59	45.95	24.17	54.00	13.47	V
14492.650	35.89	-29.56	41.90	23.55	54.00	18.11	H
14498.150	35.60	-29.56	41.90	23.26	54.00	18.40	H
5141.540	35.79	-27.79	34.00	29.58	54.00	18.21	V
5141.580	35.70	-27.79	34.00	29.49	54.00	18.30	V

## 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)
17949.950	40.66	-29.59	45.95	24.30	54.00	13.34	V
17970.300	40.66	-29.59	45.95	24.30	54.00	13.34	V
14495.400	35.68	-29.56	41.90	23.34	54.00	18.32	V
14493.200	35.48	-29.56	41.90	23.14	54.00	18.52	H
11906.550	34.26	-32.53	39.10	27.69	54.00	19.74	H
11885.650	34.22	-32.53	39.10	27.65	54.00	19.78	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)
17978.000	40.91	-29.59	45.95	24.55	54.00	13.09	V
17985.700	40.72	-29.59	45.95	24.36	54.00	13.28	V
14498.700	35.71	-29.56	41.90	23.37	54.00	18.29	V
14492.650	35.62	-29.56	41.90	23.28	54.00	18.38	H
11919.200	34.35	-32.53	39.10	27.78	54.00	19.65	V
11879.600	34.01	-32.73	39.15	27.59	54.00	19.99	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)
17963.700	40.27	-29.59	45.95	23.91	54.00	13.73	H
17958.750	40.16	-29.59	45.95	23.80	54.00	13.84	V
13311.800	35.19	-31.40	40.60	25.99	54.00	18.81	H
14496.500	35.06	-29.56	41.90	22.72	54.00	18.94	V
11908.200	33.83	-32.53	39.10	27.26	54.00	20.17	V
11896.650	33.69	-32.53	39.10	27.12	54.00	20.31	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)
17984.050	40.05	-29.59	45.95	23.69	54.00	13.95	V
17989.000	40.04	-29.59	45.95	23.68	54.00	13.96	H
14491.550	35.16	-29.56	41.90	22.82	54.00	18.84	V
14496.500	35.03	-29.56	41.90	22.69	54.00	18.97	H
11885.100	33.69	-32.53	39.10	27.12	54.00	20.31	H
11902.700	33.63	-32.53	39.10	27.06	54.00	20.37	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)
17979.100	40.12	-29.59	45.95	23.76	54.00	13.88	V
17998.900	40.12	-29.59	45.95	23.76	54.00	13.88	V
14497.600	35.18	-29.56	41.90	22.84	54.00	18.82	V
14484.400	35.10	-29.56	41.90	22.76	54.00	18.90	V
5358.896	36.77	-27.82	34.20	30.39	54.00	17.23	H
5350.832	36.65	-27.82	34.20	30.27	54.00	17.35	V

## 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)
17990.650	40.49	-29.59	45.95	24.13	54.00	13.51	V
17965.900	40.43	-29.59	45.95	24.07	54.00	13.57	H
14491.000	35.28	-29.56	41.90	22.94	54.00	18.72	V
14490.450	35.11	-29.56	41.90	22.77	54.00	18.89	V
5425.795	37.00	-27.94	34.30	30.64	54.00	17.00	V
5420.140	36.73	-27.94	34.30	30.37	54.00	17.27	V

## 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)
17970.300	40.39	-29.59	45.95	24.03	54.00	13.61	H
17973.600	40.25	-29.59	45.95	23.89	54.00	13.75	V
13307.950	34.90	-31.40	40.60	25.70	54.00	19.10	V
14498.150	34.87	-29.56	41.90	22.53	54.00	19.13	H
11904.350	33.80	-32.53	39.10	27.23	54.00	20.20	H
11907.650	33.55	-32.53	39.10	26.98	54.00	20.45	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)
17980.200	40.24	-29.59	45.95	23.88	54.00	13.76	H
17996.700	40.20	-29.59	45.95	23.84	54.00	13.80	V
14492.650	35.18	-29.56	41.90	22.84	54.00	18.82	H
14499.250	34.97	-29.56	41.90	22.63	54.00	19.03	V
11893.900	33.49	-32.53	39.10	26.92	54.00	20.51	H
11903.800	33.34	-32.53	39.10	26.77	54.00	20.66	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)
17980.200	40.65	-29.59	45.95	24.29	54.00	13.35	V
17953.800	40.60	-29.59	45.95	24.24	54.00	13.40	V
14491.550	35.61	-29.56	41.90	23.27	54.00	18.39	V
14489.350	35.57	-29.56	41.90	23.23	54.00	18.43	H
5148.920	37.55	-28.00	34.00	31.55	54.00	16.45	V
5147.800	37.47	-27.79	34.00	31.26	54.00	16.53	V

## 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)
17971.950	40.77	-29.59	45.95	24.41	54.00	13.23	V
17972.500	40.51	-29.59	45.95	24.15	54.00	13.49	V
14497.600	35.72	-29.56	41.90	23.38	54.00	18.28	H
14470.100	35.55	-29.56	41.90	23.21	54.00	18.45	H
11897.750	34.02	-32.53	39.10	27.45	54.00	19.98	V
11897.200	33.96	-32.53	39.10	27.39	54.00	20.04	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)
17976.900	40.32	-29.59	45.95	23.96	54.00	13.68	V
17990.650	40.26	-29.59	45.95	23.90	54.00	13.74	V
14486.600	35.19	-29.56	41.90	22.85	54.00	18.81	H
14492.100	35.06	-29.56	41.90	22.72	54.00	18.94	H
11904.900	33.54	-32.53	39.10	26.97	54.00	20.46	H
11889.500	33.38	-32.53	39.10	26.81	54.00	20.62	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)
17978.000	40.35	-29.59	45.95	23.99	54.00	13.65	H
17971.950	40.27	-29.59	45.95	23.91	54.00	13.73	V
14495.400	35.08	-29.56	41.90	22.74	54.00	18.92	H
14496.500	34.97	-29.56	41.90	22.63	54.00	19.03	V
5350.480	39.46	-27.82	34.20	33.08	54.00	14.54	V
5350.880	39.23	-27.82	34.20	32.85	54.00	14.77	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)
17997.250	40.12	-29.59	45.95	23.76	54.00	13.88	H
17978.550	40.01	-29.59	45.95	23.65	54.00	13.99	V
14484.400	35.07	-29.56	41.90	22.73	54.00	18.93	H
14478.350	34.98	-29.56	41.90	22.64	54.00	19.02	H
5459.890	36.95	-27.49	34.20	30.24	54.00	17.05	V
5456.050	36.93	-27.49	34.20	30.22	54.00	17.07	V

**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)
17969.200	40.32	-29.59	45.95	23.96	54.00	13.68	H
17987.900	40.30	-29.59	45.95	23.94	54.00	13.70	V
14499.800	35.02	-29.56	41.90	22.68	54.00	18.98	H
14493.200	34.99	-29.56	41.90	22.65	54.00	19.01	H
11888.950	33.73	-32.53	39.10	27.16	54.00	20.27	V
11902.700	33.40	-32.53	39.10	26.83	54.00	20.60	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	40.20	-29.59	45.95	23.84	54.00	13.80	H
17974.700	40.06	-29.59	45.95	23.70	54.00	13.94	V
14498.700	35.59	-29.56	41.90	23.25	54.00	18.41	H
14495.400	34.77	-29.56	41.90	22.43	54.00	19.23	V
11860.900	33.64	-32.73	39.15	27.22	54.00	20.36	H
11886.200	33.43	-32.53	39.10	26.86	54.00	20.57	H

**802.11ac-HT80**
**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)
17956.550	40.59	-29.59	45.95	24.23	54.00	13.41	H
17979.100	40.33	-29.59	45.95	23.97	54.00	13.67	H
14488.800	35.47	-29.56	41.90	23.13	54.00	18.53	H
14490.450	35.13	-29.56	41.90	22.79	54.00	18.87	H
5146.920	42.38	-27.79	34.00	36.17	54.00	11.62	V
5147.920	42.17	-27.79	34.00	35.96	54.00	11.83	V

## 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)
17990.650	40.09	-29.59	45.95	23.73	54.00	13.91	H
17959.850	39.88	-29.59	45.95	23.52	54.00	14.12	H
14493.750	34.91	-29.56	41.90	22.57	54.00	19.09	H
13295.300	34.86	-31.40	40.60	25.66	54.00	19.14	H
5350.176	40.83	-27.82	34.20	34.45	54.00	13.17	H
5351.088	40.37	-27.82	34.20	33.99	54.00	13.63	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)
17990.100	39.99	-29.59	45.95	23.63	54.00	14.01	H
17944.450	39.78	-29.59	45.95	23.42	54.00	14.22	H
14476.700	34.84	-29.56	41.90	22.50	54.00	19.16	V
14487.700	34.84	-29.56	41.90	22.50	54.00	19.16	V
5455.780	44.46	-27.49	34.20	37.75	54.00	9.54	V
5459.530	43.75	-27.49	34.20	37.04	54.00	10.25	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)
17991.750	39.90	-29.59	45.95	23.54	54.00	14.10	V
17959.850	39.86	-29.59	45.95	23.50	54.00	14.14	H
14489.900	34.61	-29.56	41.90	22.27	54.00	19.39	H
14488.800	34.54	-29.56	41.90	22.20	54.00	19.46	H
11909.850	33.15	-32.53	39.10	26.58	54.00	20.85	V
11908.200	33.12	-32.53	39.10	26.55	54.00	20.88	H

**802.11ax-HT20**

## 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)
17973.050	40.77	-29.59	45.95	24.41	54.00	13.23	H
17964.250	40.53	-29.59	45.95	24.17	54.00	13.47	V
14474.500	35.67	-29.56	41.90	23.33	54.00	18.33	H
14491.000	35.48	-29.56	41.90	23.14	54.00	18.52	V
5144.800	36.67	-27.79	34.00	30.46	54.00	17.33	V
5148.080	36.36	-27.79	34.00	30.15	54.00	17.64	V

## 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)
17969.200	40.70	-29.59	45.95	24.34	54.00	13.30	H
17953.800	40.61	-29.59	45.95	24.25	54.00	13.39	H
14490.450	35.63	-29.56	41.90	23.29	54.00	18.37	V
14479.450	35.47	-29.56	41.90	23.13	54.00	18.53	H
11896.650	34.20	-32.53	39.10	27.63	54.00	19.80	H
11907.650	33.94	-32.53	39.10	27.37	54.00	20.06	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)
17953.800	40.60	-29.59	45.95	24.24	54.00	13.40	V
17996.150	40.52	-29.59	45.95	24.16	54.00	13.48	H
14491.000	35.41	-29.56	41.90	23.07	54.00	18.59	V
14493.200	35.40	-29.56	41.90	23.06	54.00	18.60	V
11903.250	34.15	-32.53	39.10	27.58	54.00	19.85	H
11906.000	34.01	-32.53	39.10	27.44	54.00	19.99	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)
17970.300	40.29	-29.59	45.95	23.93	54.00	13.71	V
17962.050	40.25	-29.59	45.95	23.89	54.00	13.75	H
14495.400	35.24	-29.56	41.90	22.90	54.00	18.76	V
14498.150	35.00	-29.56	41.90	22.66	54.00	19.00	V
11896.100	33.87	-32.53	39.10	27.30	54.00	20.13	H
11911.500	33.84	-32.53	39.10	27.27	54.00	20.16	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)
17974.700	40.32	-29.59	45.95	23.96	54.00	13.68	H
17973.600	40.11	-29.59	45.95	23.75	54.00	13.89	V
14486.050	35.37	-29.56	41.90	23.03	54.00	18.63	V
14497.600	35.21	-29.56	41.90	22.87	54.00	18.79	V
11895.550	33.61	-32.53	39.10	27.04	54.00	20.39	H
11906.550	33.50	-32.53	39.10	26.93	54.00	20.50	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)
17979.100	40.20	-29.59	45.95	23.84	54.00	13.80	V
17971.400	40.09	-29.59	45.95	23.73	54.00	13.91	H
14491.550	35.43	-29.56	41.90	23.09	54.00	18.57	V
14495.950	35.27	-29.56	41.90	22.93	54.00	18.73	V
5367.744	37.08	-27.82	34.20	30.70	54.00	16.92	H
5371.712	36.87	-27.82	34.20	30.49	54.00	17.13	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)
17962.050	40.34	-29.59	45.95	23.98	54.00	13.66	V
17964.250	40.22	-29.59	45.95	23.86	54.00	13.78	V
14495.400	35.05	-29.56	41.90	22.71	54.00	18.95	H
14498.700	34.98	-29.56	41.90	22.64	54.00	19.02	H
5459.680	37.11	-27.49	34.20	30.40	54.00	16.89	V
5418.055	36.83	-27.94	34.30	30.47	54.00	17.17	V

## 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)
17992.300	40.18	-29.59	45.95	23.82	54.00	13.82	H
17959.850	40.13	-29.59	45.95	23.77	54.00	13.87	H
14495.400	35.36	-29.56	41.90	23.02	54.00	18.64	H
14476.700	35.24	-29.56	41.90	22.90	54.00	18.76	V
11905.450	33.93	-32.53	39.10	27.36	54.00	20.07	H
11904.350	33.83	-32.53	39.10	27.26	54.00	20.17	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)
17981.300	40.23	-29.59	45.95	23.87	54.00	13.77	H
17994.500	40.16	-29.59	45.95	23.80	54.00	13.84	V
14486.050	35.24	-29.56	41.90	22.90	54.00	18.76	V
14493.200	35.19	-29.56	41.90	22.85	54.00	18.81	H
11907.650	33.55	-32.53	39.10	26.98	54.00	20.45	V
11904.900	33.48	-32.53	39.10	26.91	54.00	20.52	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)
17977.450	40.51	-29.59	45.95	24.15	54.00	13.49	H
17994.500	40.46	-29.59	45.95	24.10	54.00	13.54	V
14499.800	35.71	-29.56	41.90	23.37	54.00	18.29	V
14499.250	35.66	-29.56	41.90	23.32	54.00	18.34	V
5147.640	36.83	-27.79	34.00	30.62	54.00	17.17	V
5149.780	36.54	-28.00	34.00	30.54	54.00	17.46	V

## 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)
17971.400	40.97	-29.59	45.95	24.61	54.00	13.03	V
17980.750	40.52	-29.59	45.95	24.16	54.00	13.48	V
14492.100	35.37	-29.56	41.90	23.03	54.00	18.63	V
14493.750	35.34	-29.56	41.90	23.00	54.00	18.66	H
11903.250	33.98	-32.53	39.10	27.41	54.00	20.02	H
11811.950	33.92	-32.09	39.20	26.81	54.00	20.08	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)
17975.250	40.37	-29.59	45.95	24.01	54.00	13.63	H
17976.350	40.17	-29.59	45.95	23.81	54.00	13.83	V
14498.700	35.18	-29.56	41.90	22.84	54.00	18.82	H
14493.200	34.70	-29.56	41.90	22.36	54.00	19.30	V
11873.000	33.71	-32.73	39.15	27.29	54.00	20.29	H
11833.950	33.48	-32.73	39.15	27.06	54.00	20.52	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)
17985.150	40.42	-29.59	45.95	24.06	54.00	13.58	H
17980.750	40.30	-29.59	45.95	23.94	54.00	13.70	V
14489.900	35.21	-29.56	41.90	22.87	54.00	18.79	H
14498.150	34.97	-29.56	41.90	22.63	54.00	19.03	V
5351.088	39.29	-27.82	34.20	32.91	54.00	14.71	V
5351.056	39.21	-27.82	34.20	32.83	54.00	14.79	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)
17958.750	40.10	-29.59	45.95	23.74	54.00	13.90	V
17976.350	40.04	-29.59	45.95	23.68	54.00	13.96	V
14484.950	34.68	-29.56	41.90	22.34	54.00	19.32	V
14489.900	34.58	-29.56	41.90	22.24	54.00	19.42	H
5459.875	37.11	-27.49	34.20	30.40	54.00	16.89	H
5455.225	36.61	-27.49	34.20	29.90	54.00	17.39	V

## 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)
17968.100	40.11	-29.59	45.95	23.75	54.00	13.89	H
17978.550	39.89	-29.59	45.95	23.53	54.00	14.11	H
14495.950	35.36	-29.56	41.90	23.02	54.00	18.64	V
14489.900	34.93	-29.56	41.90	22.59	54.00	19.07	V
11915.900	33.39	-32.53	39.10	26.82	54.00	20.61	V
11907.650	33.23	-32.53	39.10	26.66	54.00	20.77	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)
17978.550	39.91	-29.59	45.95	23.55	54.00	14.09	V
17958.750	39.89	-29.59	45.95	23.53	54.00	14.11	V
14492.650	35.08	-29.56	41.90	22.74	54.00	18.92	V
14480.000	34.71	-29.56	41.90	22.37	54.00	19.29	V
11831.750	33.36	-32.73	39.15	26.94	54.00	20.64	H
11908.200	33.26	-32.53	39.10	26.69	54.00	20.74	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)
17989.000	40.17	-29.59	45.95	23.81	54.00	13.83	H
17953.250	40.07	-29.59	45.95	23.71	54.00	13.93	H
14499.250	35.28	-29.56	41.90	22.94	54.00	18.72	H
14497.600	35.03	-29.56	41.90	22.69	54.00	18.97	V
5147.520	43.15	-27.79	34.00	36.94	54.00	10.85	V
5148.700	42.59	-28.00	34.00	36.59	54.00	11.41	V

## 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)
17980.750	40.07	-29.59	45.95	23.71	54.00	13.93	V
17975.800	40.04	-29.59	45.95	23.68	54.00	13.96	H
14494.300	34.87	-29.56	41.90	22.53	54.00	19.13	H
14495.400	34.81	-29.56	41.90	22.47	54.00	19.19	H
5350.592	38.93	-27.82	34.20	32.55	54.00	15.07	H
5350.080	38.82	-27.82	34.20	32.44	54.00	15.18	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)
17963.150	39.93	-29.59	45.95	23.57	54.00	14.07	V
17989.000	39.89	-29.59	45.95	23.53	54.00	14.11	H
14484.400	34.95	-29.56	41.90	22.61	54.00	19.05	V
14491.000	34.43	-29.56	41.90	22.09	54.00	19.57	H
5459.965	43.89	-27.49	34.20	37.18	54.00	10.11	V
5457.460	43.87	-27.49	34.20	37.16	54.00	10.13	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)
17988.450	39.95	-29.59	45.95	23.59	54.00	14.05	V
17980.750	39.86	-29.59	45.95	23.50	54.00	14.14	V
14499.250	34.90	-29.56	41.90	22.56	54.00	19.10	H
14491.550	34.61	-29.56	41.90	22.27	54.00	19.39	V
11860.900	33.18	-32.73	39.15	26.76	54.00	20.82	H
11868.600	33.18	-32.73	39.15	26.76	54.00	20.82	V

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## Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.250	40.32	-29.59	45.95	23.96	54.00	13.68	V
17959.300	40.03	-29.59	45.95	23.67	54.00	13.97	H
14497.050	35.05	-29.56	41.90	22.71	54.00	18.95	V
14494.850	34.91	-29.56	41.90	22.57	54.00	19.09	H
5146.280	43.05	-27.79	34.00	36.84	54.00	10.95	V
5146.220	42.92	-27.79	34.00	36.71	54.00	11.08	V



## Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17970.850	39.83	-29.59	45.95	23.47	54.00	14.17	V
17958.200	39.82	-29.59	45.95	23.46	54.00	14.18	H
14494.300	34.89	-29.56	41.90	22.55	54.00	19.11	V
14483.300	34.75	-29.56	41.90	22.41	54.00	19.25	V
5456.980	44.99	-27.49	34.20	38.28	54.00	9.01	H
5457.115	44.57	-27.49	34.20	37.86	54.00	9.43	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)
17902.100	52.34	-29.59	45.95	35.98	74.00	21.66	V
17974.700	52.02	-29.59	45.95	35.66	74.00	21.98	V
14550.400	48.99	-30.55	41.90	37.64	68.20	19.21	V
14576.250	48.74	-29.14	41.90	35.98	68.20	19.46	H
5147.840	47.62	-27.79	34.00	41.41	74.00	26.38	V
5148.980	47.33	-28.00	34.00	41.33	74.00	26.67	V

## 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)
17914.750	51.82	-29.59	45.95	35.46	74.00	22.18	H
17989.550	51.30	-29.59	45.95	34.94	74.00	22.70	H
14685.150	48.74	-30.04	41.50	37.28	68.20	19.46	H
14671.400	47.93	-30.04	41.50	36.47	68.20	20.27	H
11890.050	44.86	-32.53	39.10	38.29	74.00	29.14	H
11871.350	44.67	-32.73	39.15	38.25	74.00	29.33	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)
17890.550	51.34	-29.59	45.95	34.98	74.00	22.66	H
17995.050	51.10	-29.59	45.95	34.74	74.00	22.90	V
14679.100	48.10	-30.04	41.50	36.64	68.20	20.10	V
14609.800	47.64	-30.67	41.70	36.61	68.20	20.56	V
11907.100	44.86	-32.53	39.10	38.29	74.00	29.14	V
11808.650	44.76	-32.09	39.20	37.65	74.00	29.24	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)
17998.900	50.71	-29.59	45.95	34.35	74.00	23.29	H
17992.850	50.58	-29.59	45.95	34.22	74.00	23.42	H
14687.900	47.31	-30.04	41.50	35.85	68.20	20.89	H
14703.850	46.87	-30.13	41.35	35.65	68.20	21.33	H
11915.350	44.25	-32.53	39.10	37.68	74.00	29.75	H
11917.550	43.97	-32.53	39.10	37.40	74.00	30.03	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)
17992.850	51.42	-29.59	45.95	35.06	74.00	22.58	V
17894.400	50.67	-29.59	45.95	34.31	74.00	23.33	H
14623.000	47.62	-30.67	41.70	36.59	68.20	20.58	H
14587.800	47.20	-29.14	41.90	34.44	68.20	21.00	V
11869.700	44.12	-32.73	39.15	37.70	74.00	29.88	V
11819.650	44.00	-32.09	39.20	36.89	74.00	30.00	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)
17909.800	51.19	-29.59	45.95	34.83	74.00	22.81	V
17929.600	50.44	-29.59	45.95	34.08	74.00	23.56	V
14673.050	47.94	-30.04	41.50	36.48	68.20	20.26	V
14689.000	47.58	-30.04	41.50	36.12	68.20	20.62	H
5424.432	46.74	-27.94	34.30	40.38	74.00	27.26	H
5402.144	46.52	-27.94	34.30	40.16	74.00	27.48	V



## 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)
17963.700	50.95	-29.59	45.95	34.59	74.00	23.05	V
17997.800	50.53	-29.59	45.95	34.17	74.00	23.47	H
14646.100	46.89	-30.67	41.70	35.86	68.20	21.31	H
14582.300	46.85	-29.14	41.90	34.09	68.20	21.35	V
5391.895	47.47	-27.82	34.20	41.09	74.00	26.53	H
5465.725	47.52	-27.49	34.20	40.81	68.20	20.68	V

## 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)
17988.450	50.73	-29.59	45.95	34.37	74.00	23.27	V
17977.450	50.45	-29.59	45.95	34.09	74.00	23.55	H
14682.950	47.53	-30.04	41.50	36.07	68.20	20.67	H
14707.700	47.36	-30.13	41.35	36.14	68.20	20.84	V
11851.000	43.80	-32.73	39.15	37.38	74.00	30.20	V
11926.900	43.75	-32.53	39.10	37.18	74.00	30.25	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)
17964.800	52.19	-29.59	45.95	35.83	74.00	21.81	V
17986.250	50.43	-29.59	45.95	34.07	74.00	23.57	V
14601.000	47.57	-29.14	41.90	34.81	68.20	20.63	H
14678.000	47.07	-30.04	41.50	35.61	68.20	21.13	V
5737.115	47.60	-27.47	34.10	40.97	68.20	20.60	V
5725.810	47.38	-27.47	34.10	40.75	68.20	20.82	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)
17978.000	51.69	-29.59	45.95	35.33	74.00	22.31	H
17962.600	51.14	-29.59	45.95	34.78	74.00	22.86	H
14603.200	47.63	-29.14	41.90	34.87	68.20	20.57	H
14576.800	47.56	-29.14	41.90	34.80	68.20	20.64	V
5061.560	46.72	-28.19	33.80	41.11	74.00	27.28	V
5145.500	46.62	-27.79	34.00	40.41	74.00	27.38	V

## 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)
17975.250	51.36	-29.59	45.95	35.00	74.00	22.64	H
17923.550	51.01	-29.59	45.95	34.65	74.00	22.99	H
14558.650	47.74	-29.14	41.90	34.98	68.20	20.46	V
14687.350	47.65	-30.04	41.50	36.19	68.20	20.55	H
11825.700	44.42	-32.09	39.20	37.31	74.00	29.58	H
11875.750	44.26	-32.73	39.15	37.84	74.00	29.74	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)
17962.600	51.80	-29.59	45.95	35.44	74.00	22.20	V
17969.750	50.89	-29.59	45.95	34.53	74.00	23.11	V
14676.350	48.06	-30.04	41.50	36.60	68.20	20.14	H
14201.150	47.46	-30.42	41.70	36.18	68.20	20.74	V
11866.950	44.60	-32.73	39.15	38.18	74.00	29.40	H
11833.400	44.53	-32.73	39.15	38.11	74.00	29.47	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)
17966.450	50.63	-29.59	45.95	34.27	74.00	23.37	H
17974.700	50.59	-29.59	45.95	34.23	74.00	23.41	V
14702.200	47.70	-30.04	41.50	36.24	68.20	20.50	V
14696.150	47.29	-30.04	41.50	35.83	68.20	20.91	V
11911.500	44.49	-32.53	39.10	37.92	74.00	29.51	H
11929.650	44.28	-32.53	39.10	37.71	74.00	29.72	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)
17975.800	51.32	-29.59	45.95	34.96	74.00	22.68	H
17980.200	51.25	-29.59	45.95	34.89	74.00	22.75	V
14692.300	48.12	-30.04	41.50	36.66	68.20	20.08	V
14675.250	47.64	-30.04	41.50	36.18	68.20	20.56	V
11822.950	44.65	-32.09	39.20	37.54	74.00	29.35	V
11860.350	44.23	-32.73	39.15	37.81	74.00	29.77	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)
17985.700	50.32	-29.59	45.95	33.96	74.00	23.68	V
17981.300	50.29	-29.59	45.95	33.93	74.00	23.71	V
14606.500	47.56	-30.67	41.70	36.53	68.20	20.64	V
14600.450	47.32	-29.14	41.90	34.56	68.20	20.88	H
5373.056	47.83	-27.82	34.20	41.45	74.00	26.17	V
5351.712	47.13	-27.82	34.20	40.75	74.00	26.87	V

## 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)
17982.950	50.64	-29.59	45.95	34.28	74.00	23.36	V
17930.700	50.55	-29.59	45.95	34.19	74.00	23.45	H
14587.250	47.57	-29.14	41.90	34.81	68.20	20.63	H
14580.100	47.20	-29.14	41.90	34.44	68.20	21.00	V
5424.025	48.66	-27.94	34.30	42.30	74.00	25.34	V
5465.635	47.43	-27.49	34.20	40.72	68.20	20.77	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)
17967.000	51.40	-29.59	45.95	35.04	74.00	22.60	H
17989.000	51.23	-29.59	45.95	34.87	74.00	22.77	V
14650.500	47.31	-30.67	41.70	36.28	68.20	20.89	V
14608.150	47.22	-30.67	41.70	36.19	68.20	20.98	V
11903.250	44.46	-32.53	39.10	37.89	74.00	29.54	V
11821.850	44.43	-32.09	39.20	37.32	74.00	29.57	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)
17980.200	50.96	-29.59	45.95	34.60	74.00	23.04	V
17958.200	50.89	-29.59	45.95	34.53	74.00	23.11	H
14578.450	47.67	-29.14	41.90	34.91	68.20	20.53	H
14593.850	47.11	-29.14	41.90	34.35	68.20	21.09	V
5754.825	48.46	-27.21	34.00	41.67	68.20	19.74	V
5745.708	48.33	-27.21	34.00	41.54	68.20	19.87	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)
17979.650	50.96	-29.59	45.95	34.60	74.00	23.04	V
17945.000	50.95	-29.59	45.95	34.59	74.00	23.05	H
14606.500	48.42	-30.67	41.70	37.39	68.20	19.78	H
14645.000	48.03	-30.67	41.70	37.00	68.20	20.17	H
5149.800	55.46	-28.00	34.00	49.46	74.00	18.54	V
5149.980	55.11	-28.00	34.00	49.11	74.00	18.89	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)
17921.350	51.06	-29.59	45.95	34.70	74.00	22.94	V
17956.000	50.93	-29.59	45.95	34.57	74.00	23.07	V
14704.950	48.04	-30.13	41.35	36.82	68.20	20.16	V
14588.350	47.82	-29.14	41.90	35.06	68.20	20.38	H
11819.650	44.72	-32.09	39.20	37.61	74.00	29.28	H
11767.950	44.35	-32.71	39.20	37.86	74.00	29.65	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)
17968.100	50.96	-29.59	45.95	34.60	74.00	23.04	V
17984.600	50.52	-29.59	45.95	34.16	74.00	23.48	V
14586.700	48.46	-29.14	41.90	35.70	68.20	19.74	H
14574.050	48.34	-29.14	41.90	35.58	68.20	19.86	V
11886.750	44.60	-32.53	39.10	38.03	74.00	29.40	V
11778.950	44.00	-32.71	39.20	37.51	74.00	30.00	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)
17992.850	51.02	-29.59	45.95	34.66	74.00	22.98	V
17974.150	50.74	-29.59	45.95	34.38	74.00	23.26	H
14706.600	47.14	-30.13	41.35	35.92	68.20	21.06	V
14601.000	47.11	-29.14	41.90	34.35	68.20	21.09	V
5352.352	50.23	-27.82	34.20	43.85	74.00	23.77	V
5350.288	49.19	-27.82	34.20	42.81	74.00	24.81	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)
17982.950	51.70	-29.59	45.95	35.34	74.00	22.30	V
17953.250	50.88	-29.59	45.95	34.52	74.00	23.12	V
14671.950	47.54	-30.04	41.50	36.08	68.20	20.66	V
14717.050	47.13	-30.13	41.35	35.91	68.20	21.07	H
5458.975	47.77	-27.49	34.20	41.06	74.00	26.23	H
5469.235	51.94	-27.49	34.20	45.23	68.20	16.26	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)
17994.500	51.15	-29.59	45.95	34.79	74.00	22.85	V
17997.250	50.60	-29.59	45.95	34.24	74.00	23.40	H
14567.450	47.61	-29.14	41.90	34.85	68.20	20.59	H
14613.100	47.45	-30.67	41.70	36.42	68.20	20.75	V
11915.900	44.18	-32.53	39.10	37.61	74.00	29.82	H
11897.200	44.10	-32.53	39.10	37.53	74.00	29.90	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)
17957.650	50.62	-29.59	45.95	34.26	74.00	23.38	V
17909.250	50.58	-29.59	45.95	34.22	74.00	23.42	H
14652.700	47.66	-30.67	41.70	36.63	68.20	20.54	H
14520.700	47.57	-30.55	41.90	36.22	68.20	20.63	V
5797.227	47.84	-27.65	34.10	41.39	68.20	20.36	V
5798.820	47.22	-27.65	34.10	40.77	68.20	20.98	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)
17936.750	51.12	-29.59	45.95	34.76	74.00	22.88	V
17881.200	50.71	-29.59	45.95	34.35	74.00	23.29	H
14631.800	48.15	-30.67	41.70	37.12	68.20	20.05	H
14672.500	47.97	-30.04	41.50	36.51	68.20	20.23	V
5146.360	47.26	-27.79	34.00	41.05	74.00	26.74	V
5141.860	46.44	-27.79	34.00	40.23	74.00	27.56	V

## 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)
17974.700	52.29	-29.59	45.95	35.93	74.00	21.71	V
17997.250	51.60	-29.59	45.95	35.24	74.00	22.40	H
14574.050	48.11	-29.14	41.90	35.35	68.20	20.09	H
14672.500	48.00	-30.04	41.50	36.54	68.20	20.20	V
10605.800	44.59	-33.58	38.30	39.87	74.00	29.41	H
11916.450	44.45	-32.53	39.10	37.88	74.00	29.55	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)
17992.850	52.12	-29.59	45.95	35.76	74.00	21.88	V
17995.600	51.03	-29.59	45.95	34.67	74.00	22.97	V
14692.300	48.02	-30.04	41.50	36.56	68.20	20.18	H
14695.600	47.83	-30.04	41.50	36.37	68.20	20.37	H
11891.150	44.95	-32.53	39.10	38.38	74.00	29.05	H
11893.350	44.71	-32.53	39.10	38.14	74.00	29.29	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)
17979.100	51.55	-29.59	45.95	35.19	74.00	22.45	H
17992.300	50.88	-29.59	45.95	34.52	74.00	23.12	H
14638.400	47.95	-30.67	41.70	36.92	68.20	20.25	V
14657.100	47.57	-30.04	41.50	36.11	68.20	20.63	H
11906.550	44.55	-32.53	39.10	37.98	74.00	29.45	H
11352.150	43.70	-33.31	38.85	38.16	74.00	30.30	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)
17969.200	51.43	-29.59	45.95	35.07	74.00	22.57	V
17984.600	50.79	-29.59	45.95	34.43	74.00	23.21	H
14607.050	47.42	-30.67	41.70	36.39	68.20	20.78	H
14668.650	47.39	-30.04	41.50	35.93	68.20	20.81	H
11874.650	44.60	-32.73	39.15	38.18	74.00	29.40	V
11899.950	44.23	-32.53	39.10	37.66	74.00	29.77	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)
17980.750	51.14	-29.59	45.95	34.78	74.00	22.86	V
17974.150	50.80	-29.59	45.95	34.44	74.00	23.20	V
14674.150	47.73	-30.04	41.50	36.27	68.20	20.47	V
14712.100	47.71	-30.13	41.35	36.49	68.20	20.49	H
5368.032	47.79	-27.82	34.20	41.41	74.00	26.21	H
5355.360	47.28	-27.82	34.20	40.90	74.00	26.72	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)
17971.400	50.56	-29.59	45.95	34.20	74.00	23.44	V
17960.400	50.53	-29.59	45.95	34.17	74.00	23.47	H
14698.350	47.63	-30.04	41.50	36.17	68.20	20.57	V
14679.650	47.40	-30.04	41.50	35.94	68.20	20.80	H
5420.155	47.79	-27.94	34.30	41.43	74.00	26.21	V
5462.440	47.32	-27.49	34.20	40.61	68.20	20.88	V

## 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)
17990.100	51.61	-29.59	45.95	35.25	74.00	22.39	H
17886.700	51.46	-29.59	45.95	35.10	74.00	22.54	V
14697.800	47.45	-30.04	41.50	35.99	68.20	20.75	V
14660.400	47.08	-30.04	41.50	35.62	68.20	21.12	V
11923.600	44.44	-32.53	39.10	37.87	74.00	29.56	V
11777.300	44.28	-32.71	39.20	37.79	74.00	29.72	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)
17990.100	51.60	-29.59	45.95	35.24	74.00	22.40	H
17878.450	50.63	-29.59	45.95	34.27	74.00	23.37	V
14606.500	48.23	-30.67	41.70	37.20	68.20	19.97	V
14614.200	47.64	-30.67	41.70	36.61	68.20	20.56	H
5725.250	48.35	-27.47	34.10	41.72	68.20	19.85	V
5799.450	48.25	-27.65	34.10	41.80	68.20	19.95	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)
17948.300	51.46	-29.59	45.95	35.10	74.00	22.54	H
17955.450	51.09	-29.59	45.95	34.73	74.00	22.91	H
14693.950	47.78	-30.04	41.50	36.32	68.20	20.42	H
14627.950	47.38	-30.67	41.70	36.35	68.20	20.82	H
5149.560	47.72	-28.00	34.00	41.72	74.00	26.28	V
5149.700	47.62	-28.00	34.00	41.62	74.00	26.38	V

## 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)
17961.500	51.73	-29.59	45.95	35.37	74.00	22.27	V
17957.650	51.68	-29.59	45.95	35.32	74.00	22.32	V
14577.900	47.57	-29.14	41.90	34.81	68.20	20.63	V
14602.100	47.50	-29.14	41.90	34.74	68.20	20.70	V
11897.750	45.54	-32.53	39.10	38.97	74.00	28.46	H
11936.800	44.38	-32.42	39.05	37.75	74.00	29.62	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)
17894.950	50.22	-29.59	45.95	33.86	74.00	23.78	H
17963.700	50.14	-29.59	45.95	33.78	74.00	23.86	V
14587.800	47.74	-29.14	41.90	34.98	68.20	20.46	H
14318.300	47.70	-30.44	41.85	36.29	68.20	20.50	V
11829.000	44.30	-32.09	39.20	37.19	74.00	29.70	V
11777.850	44.17	-32.71	39.20	37.68	74.00	29.83	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)
17942.800	51.49	-29.59	45.95	35.13	74.00	22.51	V
17971.950	50.96	-29.59	45.95	34.60	74.00	23.04	H
14692.300	47.54	-30.04	41.50	36.08	68.20	20.66	V
14701.100	47.54	-30.04	41.50	36.08	68.20	20.66	H
5350.112	50.01	-27.82	34.20	43.63	74.00	23.99	V
5355.152	49.67	-27.82	34.20	43.29	74.00	24.33	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)
17989.550	50.22	-29.59	45.95	33.86	74.00	23.78	H
17981.850	50.11	-29.59	45.95	33.75	74.00	23.89	H
14572.950	47.16	-29.14	41.90	34.40	68.20	21.04	V
14563.600	47.06	-29.14	41.90	34.30	68.20	21.14	V
5364.145	48.12	-27.82	34.20	41.74	74.00	25.88	V
5469.265	50.99	-27.49	34.20	44.28	68.20	17.21	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)
17976.350	50.94	-29.59	45.95	34.58	74.00	23.06	H
17959.850	50.34	-29.59	45.95	33.98	74.00	23.66	V
14630.150	47.02	-30.67	41.70	35.99	68.20	21.18	H
14583.950	47.01	-29.14	41.90	34.25	68.20	21.19	H
11887.300	43.92	-32.53	39.10	37.35	74.00	30.08	H
11845.500	43.90	-32.73	39.15	37.48	74.00	30.10	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)
17996.150	51.00	-29.59	45.95	34.64	74.00	23.00	V
17973.050	50.44	-29.59	45.95	34.08	74.00	23.56	V
14706.050	47.65	-30.13	41.35	36.43	68.20	20.55	V
14598.250	46.96	-29.14	41.90	34.20	68.20	21.24	V
5739.845	47.72	-27.47	34.10	41.09	68.20	20.48	V
5767.198	47.62	-27.21	34.00	40.83	68.20	20.58	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)
17975.250	50.52	-29.59	45.95	34.16	74.00	23.48	V
17892.750	50.39	-29.59	45.95	34.03	74.00	23.61	H
14681.300	47.33	-30.04	41.50	35.87	68.20	20.87	H
14711.550	47.10	-30.13	41.35	35.88	68.20	21.10	V
5146.420	52.65	-27.79	34.00	46.44	74.00	21.35	V
5148.020	52.31	-27.79	34.00	46.10	74.00	21.69	V