



**FCC PART 15
ISED RSS-247
TEST REPORT
No. I21Z70185-EMC11**

for

Samsung Electronics Co., Ltd.

Notebook PC

XE310XDA

with

FCC ID: ZCAXE310XDA

ISED Number: 25314-XE310XDA

Hardware Version: REV1.0

Software Version: Chrome

Issued Date: 2021-06-21

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21Z70185-EMC11	Rev.0	1st edition	2021-06-21

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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 NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location 1:CTTL(Huayuan North Road)

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

Location 2:CTTL(BDA)

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

1.3. Testing Environment

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

1.4. Project date

Testing Start Date: 2021-05-06
Testing End Date: 2021-06-18

1.5. Signature



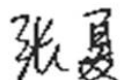
Li Yan

(Prepared this test report)



Zhang Ying

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Zhang Xia

Deputy Director of the laboratory
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2. CLIENT INFORMATION

2.1 Applicant Information

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2.2 Manufacturer Information

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3. PRODUCT INFORMATION

3.1. About EUT

Description	Notebook PC
Model name	XE310XDA
FCC ID	ZCAXE310XDA
ISED Number	25314-XE310XDA

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	2170185UT31a	REV1.0	Chrome
EUT2	2170185UT11a	REV1.0	Chrome

*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	/	Inbuilt

AE1

Model	EP-TA845
Manufacturer	DONGYANG E&P Inc
Length of cable	/

AE2

Model	EP-TA845
Manufacturer	SOLUM CO.,LTD
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.

Antenna information

Item	Spec.	Vendor	Vendor P/N	Sample under test
Antenna	Main antenna (Chain A)	AWAN	/	EUT2
	Auxiliary antenna (Chain B)			
Antenna	Main antenna (Chain A)	SPEED	/	EUT1
	Auxiliary antenna (Chain B)			

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 & 802.11ax20 (20 MHz channel bandwidth), 802.11n40 & 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	2019
ISED RSS - Gen	Spectrum Management and Telecommunications - Radio Standards Specification General Requirements and Information for the Certification of Radio communication Equipment	Issue 5 2019
ISED RSS-247	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices	Issue 2 2017
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	Sub-clause of ISED	Verdict
Radiated Spurious Emission	15.407, 15.205, 15.209	RSS-247 6.2 RSS-Gen 8.9,8.10	P
AC Power line Conducted Emission	15.407, 15.207	RSS-Gen 8.8	P

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

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	26°C
Voltage	V nom	4.0V
Humidity	H nom	20-75%

6. TEST EQUIPMENTS UTILIZED

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESU26	100376	R&S	1 year	2021-09-04
2	BiLog Antenna	VULB9163	9163-482	Schwarzbeck	1 year	2021-11-04
3	Dual-Ridge Waveguide Horn Antenna	3117	00139065	ETS-Lindgren	1 year	2021-10-11
4	Dual-Ridge Waveguide Horn Antenna	3116	2663	ETS-Lindgren	1 year	2021-08-05
5	Analytical Spectrometer	FSV40	R&S	101047	1 year	2022-05-17
6	Loop Antenna	HFH2-Z2	829324/007	R&S	1 year	2021-12-10
7	Test Receiver	ESU26	100235	R&S	1 year	2022-02-23

AC Powerline Conducted Emission

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	LISN	ENV216	101459	R&S	1 year	2022-03-16
2	Test Receiver	ESCI	100766	R&S	1 year	2022-03-09

7. Measurement Uncertainty

Radiated Spurious Emission

(k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	/
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.40
$1\text{GHz} \leq f \leq 18\text{GHz}$	4.32
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.26

AC Power-line Conducted Emission

Measurement Uncertainty: 3.10dB,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

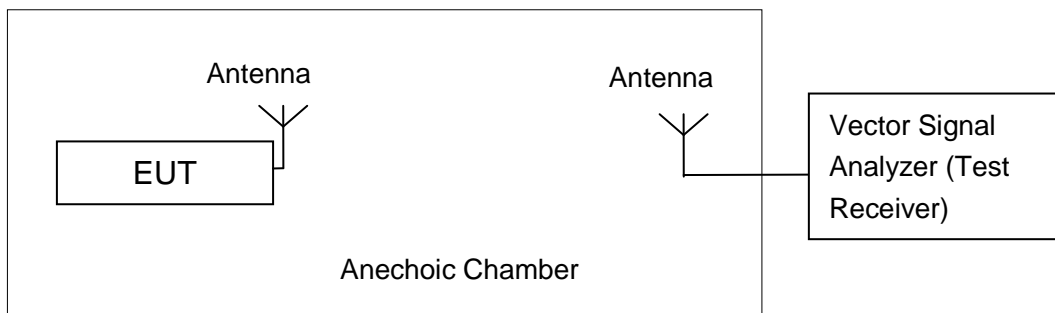
Specification Reference

FCC 47 CFR Part 15, Clause 15.407 (b) Clause 15.205 Clause 15.209
 ISED RSS-247, Clause 6.2
 ISED RSS-GEN, Clause 8.9, 8.10

Method of Measurement

Testing was performed in according with ANSI C63.10-2013 and KDB 789033.

The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.



Measurement Limit

Standard	Limit
FCC 47 CFR Part 15.407 RSS-247, 6.2	-27 dBm/MHz

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

Limit in restricted band:

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

Frequency of emission (MHz)	Field strength(dB μ 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 settings

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

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

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

Where:

E is the field strength in dB μ V/m

D is the measurement distance in meters

EIRP is the equivalent isotropically radiated power in dbm

2. The measurement results are obtained as described below:

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

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

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

Test Notes

1. The EUT is operating at its maximum duty cycle and its maximum power control level.

2. Investigation has been done on all channel, modes and modulations/data rates. Only the radiated emissions of the configurations that produced the worst case emissions are reported in this section.

3.

For EUT1 with SPEED antenna 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.

For EUT2 with AWAN antenna 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.

C.1.1 Radiated Spurious Emission- above 1GHz

SPEED

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)
5023.200	38.31	-23.61	34.21	27.71	54.00	15.69	V
5102.400	38.43	-23.66	34.24	27.85	54.00	15.57	V
11004.000	31.04	-29.87	38.00	22.90	54.00	22.96	V
15540.400	34.66	-24.49	40.15	18.99	54.00	19.34	V
17818.500	37.22	-22.45	41.54	18.13	54.00	16.78	H
17893.300	37.36	-22.60	41.52	18.44	54.00	16.64	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)
5147.200	40.53	-23.46	34.26	29.73	54.00	13.47	V
6500.400	41.78	-22.36	35.60	28.53	54.00	12.22	V
10826.900	30.66	-29.77	37.93	22.50	54.00	23.34	V
15599.800	34.58	-24.52	40.22	18.88	54.00	19.42	H
17815.200	37.30	-22.44	41.54	18.21	54.00	16.70	V
17892.200	37.35	-22.60	41.52	18.43	54.00	16.65	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)
5122.400	40.00	-23.56	34.25	29.31	54.00	14.00	V
6549.600	42.12	-22.32	35.61	28.84	54.00	11.88	V
11118.400	30.93	-30.23	38.05	23.11	54.00	23.07	V
15719.700	34.36	-24.36	40.37	18.35	54.00	19.64	V
17829.500	37.53	-22.47	41.53	18.47	54.00	16.47	V
17929.600	37.60	-22.68	41.51	18.77	54.00	16.40	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)
5127.600	40.02	-23.54	34.25	29.31	54.00	13.98	V
6575.200	42.49	-22.27	35.62	29.15	54.00	11.51	V
11016.100	32.07	-29.84	38.01	23.90	54.00	21.93	H
15780.200	35.05	-24.20	40.44	18.81	54.00	18.95	V
17799.800	37.52	-22.41	41.54	18.39	54.00	16.48	V
17896.600	37.96	-22.61	41.52	19.05	54.00	16.04	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)
5138.800	38.95	-23.49	34.26	28.19	54.00	15.05	V
6600.000	42.11	-22.21	35.62	28.70	54.00	11.89	V
11422.000	32.08	-29.58	38.17	23.49	54.00	21.92	V
15839.600	35.46	-24.06	40.51	19.01	54.00	18.54	V
17813.000	37.63	-22.44	41.54	18.54	54.00	16.37	H
17905.400	38.08	-22.63	41.52	19.19	54.00	15.92	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)
5366.400	38.81	-22.53	34.35	27.00	54.00	15.19	V
5390.800	38.82	-22.34	34.36	26.80	54.00	15.18	V
10639.900	30.77	-29.30	37.86	22.22	54.00	23.23	H
15959.500	35.62	-23.82	40.65	18.78	54.00	18.38	H
17855.900	37.59	-22.53	41.53	18.59	54.00	16.41	V
17946.100	38.00	-22.71	41.51	19.20	54.00	16.00	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)
5448.200	38.76	-22.69	34.38	27.07	54.00	15.24	V
5456.400	38.71	-22.70	34.38	27.02	54.00	15.29	V
10999.600	35.05	-29.87	38.00	26.92	54.00	18.95	V
17819.600	37.23	-22.45	41.54	18.15	54.00	16.77	H
17923.000	37.48	-22.67	41.52	18.63	54.00	16.52	V
17954.900	37.34	-22.73	41.51	18.57	54.00	16.66	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)
5433.780	38.98	-22.58	34.37	27.18	54.00	15.02	V
5380.600	38.97	-22.29	34.35	26.90	54.00	15.03	V
11199.800	35.32	-30.43	38.08	27.66	54.00	18.68	H
17833.900	37.46	-22.48	41.53	18.41	54.00	16.54	H
17901.000	37.56	-22.62	41.52	18.66	54.00	16.44	V
17938.400	37.51	-22.70	41.51	18.70	54.00	16.49	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)
5416.600	39.11	-22.45	34.37	27.19	48.30	9.19	V
5452.300	39.13	-22.70	34.38	27.45	48.30	9.17	V
11400.000	32.54	-29.72	38.16	24.10	48.30	15.76	V
17824.000	37.41	-22.46	41.53	18.34	48.30	10.89	V
17895.500	37.52	-22.61	41.52	18.61	48.30	10.77	H
17953.800	37.43	-22.73	41.51	18.65	48.30	10.87	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5376.380	38.44	-22.29	34.35	26.38	54.00	15.56	V
5410.200	38.19	-22.40	34.37	26.22	54.00	15.81	V
11439.600	32.76	-29.47	38.18	24.05	54.00	21.24	V
17833.900	38.11	-22.48	41.53	19.06	54.00	15.89	H
17919.700	38.14	-22.66	41.52	19.28	54.00	15.86	V
17970.300	37.92	-22.76	41.51	19.18	54.00	16.08	H

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)
5144.000	40.49	-23.47	34.26	29.70	54.00	13.51	V
5148.000	40.67	-23.45	34.26	29.86	54.00	13.33	V
10927.000	30.79	-29.98	37.97	22.80	54.00	23.21	V
15540.400	34.84	-24.49	40.15	19.18	54.00	19.16	V
17833.900	37.51	-22.48	41.53	18.46	54.00	16.49	H
17920.800	37.62	-22.66	41.52	18.77	54.00	16.38	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)
5145.200	41.81	-23.47	34.26	31.02	54.00	12.19	V
5356.400	40.69	-22.61	34.34	28.96	54.00	13.31	V
11052.400	31.17	-29.82	38.02	22.97	54.00	22.83	H
15599.800	34.73	-24.52	40.22	19.03	54.00	19.27	H
17843.800	37.31	-22.50	41.53	18.29	54.00	16.69	V
17931.800	37.61	-22.68	41.51	18.78	54.00	16.39	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)
5353.600	38.66	-22.63	34.34	26.95	54.00	15.34	V
6454.960	40.00	-22.29	35.57	26.71	54.00	14.00	V
11372.500	31.35	-29.88	38.15	23.08	54.00	22.65	V
15719.700	34.46	-24.36	40.37	18.46	54.00	19.54	V
17876.800	37.26	-22.57	41.52	18.31	54.00	16.74	H
17939.500	37.63	-22.70	41.51	18.82	54.00	16.37	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)
5121.600	38.56	-23.57	34.25	27.88	54.00	15.44	V
5394.800	38.83	-22.30	34.36	26.77	54.00	15.17	V
10844.500	31.39	-29.80	37.94	23.26	54.00	22.61	V
15780.200	35.01	-24.20	40.44	18.77	54.00	18.99	V
17826.200	37.98	-22.47	41.53	18.91	54.00	16.02	V
17902.100	38.02	-22.62	41.52	19.12	54.00	15.98	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)
5096.800	38.94	-23.69	34.24	28.39	54.00	15.06	V
6600.400	42.55	-22.21	35.62	29.14	54.00	11.45	V
11046.900	31.78	-29.78	38.02	23.54	54.00	22.22	V
15839.600	35.43	-24.06	40.51	18.98	54.00	18.57	H
17832.800	37.95	-22.48	41.53	18.90	54.00	16.05	H
17909.800	38.07	-22.64	41.52	19.19	54.00	15.93	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)
5360.080	38.85	-22.58	34.35	27.08	54.00	15.15	V
5392.400	38.73	-22.32	34.36	26.69	54.00	15.27	V
10639.900	30.72	-29.30	37.86	22.17	54.00	23.28	V
15959.500	35.60	-23.82	40.65	18.77	54.00	18.40	V
17904.300	37.93	-22.63	41.52	19.03	54.00	16.07	V
17969.200	37.84	-22.76	41.51	19.09	54.00	16.16	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)
5449.500	38.82	-22.70	34.38	27.14	54.00	15.18	V
5458.600	38.94	-22.69	34.38	27.25	54.00	15.06	V
11000.700	35.25	-29.87	38.00	27.12	54.00	18.75	H
17832.800	37.63	-22.48	41.53	18.58	54.00	16.37	V
17899.900	37.74	-22.62	41.52	18.84	54.00	16.26	V
17932.900	37.83	-22.69	41.51	19.01	54.00	16.17	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)
5408.900	39.11	-22.39	34.36	27.13	54.00	14.89	V
5350.600	38.94	-22.29	34.34	26.89	54.00	15.06	V
11199.800	35.64	-30.43	38.08	27.98	54.00	18.36	V
17843.800	37.47	-22.50	41.53	18.44	54.00	16.53	H
17902.100	37.72	-22.62	41.52	18.82	54.00	16.28	V
17947.200	37.59	-22.72	41.51	18.80	54.00	16.41	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)
5422.800	38.99	-22.49	34.37	27.11	54.00	15.01	V
5451.600	39.11	-22.70	34.38	27.43	54.00	14.89	V
11400.000	32.91	-29.72	38.16	24.47	54.00	21.09	V
17894.400	37.73	-22.61	41.52	18.82	54.00	16.27	H
17929.600	37.73	-22.68	41.51	18.90	54.00	16.27	V
17990.100	37.71	-22.79	41.50	19.00	54.00	16.29	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5360.800	38.72	-22.29	34.35	26.67	54.00	15.28	V
5390.900	38.57	-22.29	34.36	26.50	54.00	15.43	V
11439.600	32.51	-29.47	38.18	23.80	54.00	21.49	V
17784.400	37.71	-22.37	41.54	18.54	54.00	16.29	V
17891.100	37.97	-22.60	41.52	19.04	54.00	16.03	V
17953.800	37.99	-22.73	41.51	19.21	54.00	16.01	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)
5107.600	39.31	-23.64	34.24	28.70	54.00	14.69	V
5118.000	39.56	-23.59	34.25	28.89	54.00	14.44	V
11007.300	31.67	-29.86	38.00	23.53	54.00	22.33	V
15570.100	35.27	-24.50	40.19	19.59	54.00	18.73	V
17892.200	37.76	-22.60	41.52	18.84	54.00	16.24	H
17936.200	37.98	-22.69	41.51	19.16	54.00	16.02	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)
5119.600	39.28	-23.58	34.25	28.61	54.00	14.72	V
6537.600	42.00	-22.35	35.61	28.74	54.00	12.00	V
11122.800	31.53	-30.26	38.05	23.74	54.00	22.47	V
15690.000	35.12	-24.44	40.33	19.22	54.00	18.88	V
17895.500	37.79	-22.61	41.52	18.88	54.00	16.21	H
17941.700	37.91	-22.70	41.51	19.11	54.00	16.09	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)
5146.860	39.17	-23.46	34.26	28.37	54.00	14.83	V
5352.600	40.12	-22.64	34.34	28.42	54.00	13.88	V
10757.600	30.96	-29.75	37.90	22.81	54.00	23.04	H
15809.900	35.43	-24.12	40.47	19.08	54.00	18.57	H
17842.700	37.89	-22.50	41.53	18.86	54.00	16.11	V
17942.800	38.09	-22.71	41.51	19.28	54.00	15.91	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)
5350.000	39.98	-22.66	34.34	28.30	54.00	14.02	V
5351.600	39.78	-22.65	34.34	28.09	54.00	14.22	V
10620.100	31.14	-29.20	37.85	22.48	54.00	22.86	V
15929.800	35.65	-23.88	40.62	18.91	54.00	18.35	H
17851.500	37.63	-22.52	41.53	18.62	54.00	16.37	H
17953.800	37.96	-22.73	41.51	19.18	54.00	16.04	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)
5406.800	39.05	-22.37	34.36	27.05	54.00	14.95	V
5436.050	39.02	-22.60	34.38	27.24	54.00	14.98	V
11019.400	34.59	-29.83	38.01	26.42	54.00	19.41	H
17833.900	37.88	-22.48	41.53	18.83	54.00	16.12	V
17896.600	37.86	-22.61	41.52	18.95	54.00	16.14	H
17962.600	37.66	-22.75	41.51	18.90	54.00	16.34	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)
5423.000	38.99	-22.50	34.37	27.11	54.00	15.01	V
5387.900	39.15	-22.29	34.36	27.08	54.00	14.85	V
11180.000	34.05	-30.45	38.07	26.43	54.00	19.95	V
17842.700	37.72	-22.50	41.53	18.69	54.00	16.28	H
17899.900	37.96	-22.62	41.52	19.06	54.00	16.04	H
17956.000	37.86	-22.73	41.51	19.08	54.00	16.14	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)
5350.100	39.09	-22.29	34.34	27.04	54.00	14.91	V
5457.720	38.71	-22.70	34.38	27.02	54.00	15.29	V
11339.500	32.62	-30.03	38.14	24.51	54.00	21.38	H
17948.300	37.84	-22.72	41.51	19.04	54.00	16.16	V
17917.500	38.02	-22.65	41.52	19.16	54.00	15.98	H
17896.600	37.89	-22.61	41.52	18.98	54.00	16.11	V

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5364.700	38.62	-22.29	34.35	26.57	54.00	15.38	V
5395.600	38.69	-22.29	34.36	26.61	54.00	15.31	V
11419.800	32.22	-29.59	38.17	23.65	54.00	21.78	H
16145.400	36.61	-23.31	40.94	18.98	54.00	17.39	H
17740.400	38.13	-22.27	41.55	18.85	54.00	15.87	H
17906.500	38.30	-22.63	41.52	19.41	54.00	15.7	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)
5120.000	40.43	-23.58	34.25	29.76	54.00	13.57	V
5142.400	40.81	-23.48	34.26	30.03	54.00	13.19	V
11011.700	31.78	-29.85	38.00	23.62	54.00	22.22	H
15540.400	35.19	-24.49	40.15	19.52	54.00	18.81	H
17842.700	37.74	-22.50	41.53	18.71	54.00	16.26	V
17910.900	37.96	-22.64	41.52	19.09	54.00	16.04	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)
5119.200	40.38	-23.58	34.25	29.71	54.00	13.62	V
6500.000	42.34	-22.36	35.60	29.09	54.00	11.66	V
11296.600	31.92	-30.23	38.12	24.03	54.00	22.08	H
15599.800	35.08	-24.52	40.22	19.38	54.00	18.92	H
17851.500	37.50	-22.52	41.53	18.49	54.00	16.50	V
17919.700	37.87	-22.66	41.52	19.02	54.00	16.13	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)
5098.000	40.00	-23.68	34.24	29.44	54.00	14.00	V
6550.400	42.89	-22.32	35.61	29.60	54.00	11.11	V
11394.500	31.92	-29.75	38.16	23.52	54.00	22.08	H
15719.700	34.77	-24.36	40.37	18.76	54.00	19.23	H
17896.000	37.84	-22.61	41.52	18.93	54.00	16.16	H
17934.000	37.97	-22.69	41.51	19.15	54.00	16.03	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)
5130.400	39.89	-23.53	34.25	29.16	54.00	14.11	V
6575.600	42.24	-22.27	35.62	28.90	54.00	11.76	V
10722.400	31.20	-29.74	37.89	23.05	54.00	22.80	H
15780.200	35.11	-24.20	40.44	18.87	54.00	18.89	V
17899.900	38.13	-22.62	41.52	19.22	54.00	15.87	V
17931.800	38.09	-22.68	41.51	19.26	54.00	15.91	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)
5145.600	39.88	-23.46	34.26	29.09	54.00	14.12	V
5375.200	40.04	-22.46	34.35	28.15	54.00	13.96	V
10859.900	31.70	-29.84	37.94	23.59	54.00	22.30	H
15839.600	35.57	-24.06	40.51	19.12	54.00	18.43	H
17883.400	37.85	-22.58	41.52	18.91	54.00	16.15	V
17940.600	38.11	-22.70	41.51	19.30	54.00	15.89	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)
5350.000	40.98	-22.66	34.34	29.30	54.00	13.02	V
5351.700	40.86	-22.65	34.34	29.16	54.00	13.14	V
10639.900	30.80	-29.30	37.86	22.24	54.00	23.20	H
15959.500	35.69	-23.82	40.65	18.86	54.00	18.31	V
17870.200	37.73	-22.56	41.53	18.76	54.00	16.27	H
17959.300	37.85	-22.74	41.51	19.08	54.00	16.15	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)
5447.800	38.65	-22.69	34.38	26.96	54.00	15.35	V
5457.500	38.84	-22.70	34.38	27.15	54.00	15.16	V
10999.600	35.16	-29.87	38.00	27.03	54.00	18.84	V
17827.300	37.74	-22.47	41.53	18.67	54.00	16.26	V
17894.400	37.62	-22.61	41.52	18.70	54.00	16.38	H
17972.500	37.59	-22.77	41.51	18.85	54.00	16.41	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)
5140.800	38.99	-23.30	34.26	28.03	54.00	15.01	V
5384.650	39.11	-22.29	34.36	27.04	54.00	14.89	V
11199.800	35.50	-30.43	38.08	27.85	54.00	18.50	V
17822.900	37.70	-22.46	41.54	18.62	54.00	16.30	H
17897.700	37.85	-22.61	41.52	18.94	54.00	16.15	H
17976.900	37.71	-22.78	41.50	18.98	54.00	16.29	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)
5355.520	39.18	-22.29	34.34	27.13	54.00	14.82	V
5431.650	39.97	-22.56	34.37	28.16	54.00	14.03	V
11400.000	32.85	-29.72	38.16	24.41	54.00	21.15	V
17835.000	37.89	-22.48	41.53	18.84	54.00	16.11	H
17902.100	37.81	-22.62	41.52	18.91	54.00	16.19	V
17970.300	37.60	-22.76	41.51	18.86	54.00	16.4	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5378.000	38.47	-22.29	34.35	26.41	54.00	15.53	V
5400.300	38.42	-22.32	34.36	26.37	54.00	15.58	V
11439.600	32.70	-29.47	38.18	23.99	54.00	21.3	V
17833.900	38.09	-22.48	41.53	19.04	54.00	15.91	V
17899.900	38.16	-22.62	41.52	19.26	54.00	15.84	V
17967.000	37.99	-22.76	41.51	19.24	54.00	16.01	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)
5108.800	38.50	-23.63	34.25	27.89	54.00	15.50	V
5113.200	38.56	-23.61	34.25	27.92	54.00	15.44	V
11021.600	31.93	-29.83	38.01	23.75	54.00	22.07	V
15570.100	35.28	-24.50	40.19	19.60	54.00	18.72	V
17830.600	37.96	-22.48	41.53	18.90	54.00	16.04	V
17940.600	37.97	-22.70	41.51	19.15	54.00	16.03	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)
5121.200	38.57	-23.57	34.25	27.89	54.00	15.43	V
5397.600	38.69	-22.29	34.36	26.62	54.00	15.31	V
11290.000	31.91	-30.26	38.12	24.05	54.00	22.09	V
15690.000	35.21	-24.44	40.33	19.32	54.00	18.79	V
17833.900	37.92	-22.48	41.53	18.87	54.00	16.08	V
17932.900	38.03	-22.69	41.51	19.20	54.00	15.97	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)
5136.950	39.14	-23.50	34.26	28.38	54.00	14.86	V
5351.460	39.72	-22.65	34.34	28.03	54.00	14.28	V
10615.000	31.93	-29.17	37.85	23.26	54.00	22.07	H
15810.000	35.72	-24.12	40.47	19.37	54.00	18.28	H
17927.600	38.42	-22.68	41.51	19.58	54.00	15.58	H
17897.600	38.32	-22.61	41.52	19.42	54.00	15.68	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)
5350.000	39.95	-22.66	34.34	28.27	54.00	14.05	V
5352.500	39.65	-22.64	34.34	27.95	54.00	14.35	V
10620.000	31.94	-29.20	37.85	23.29	54.00	22.06	H
15930.000	35.76	-23.88	40.62	19.02	54.00	18.24	H
17428.500	38.42	-23.11	41.68	19.84	54.00	15.58	V
17886.900	38.43	-22.59	41.52	19.50	54.00	15.57	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)
5366.500	39.12	-22.29	34.35	27.06	54.00	14.88	V
5386.260	39.25	-22.29	34.36	27.18	54.00	14.75	V
11020.500	34.56	-29.83	38.01	26.38	54.00	19.44	H
17748.100	37.87	-22.29	41.55	18.61	54.00	16.13	H
17785.500	37.58	-22.38	41.54	18.41	54.00	16.42	H
17919.700	37.96	-22.66	41.52	19.10	54.00	16.04	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)
5397.400	39.33	-22.30	34.36	27.27	54.00	14.67	V
5442.500	39.32	-22.65	34.38	27.59	54.00	14.68	V
11180.000	34.16	-30.45	38.07	26.54	54.00	19.84	H
17833.900	37.89	-22.48	41.53	18.84	54.00	16.11	V
17901.000	37.98	-22.62	41.52	19.08	54.00	16.02	V
17954.900	37.90	-22.73	41.51	19.12	54.00	16.10	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)
5406.800	39.24	-22.37	34.36	27.25	54.00	14.76	V
5426.300	39.20	-22.52	34.37	27.35	54.00	14.8	V
11339.500	32.89	-30.03	38.14	24.78	54.00	21.11	H
17833.900	37.87	-22.48	41.53	18.82	54.00	16.13	H
17903.200	37.97	-22.63	41.52	19.07	54.00	16.03	H
17980.200	37.84	-22.78	41.50	19.11	54.00	16.16	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5361.600	38.67	-22.29	34.35	26.61	54.00	15.33	V
5389.500	38.68	-22.29	34.36	26.61	54.00	15.32	V
11419.800	32.13	-29.59	38.17	23.55	54.00	21.87	H
16156.400	36.55	-23.29	40.95	18.89	54.00	17.45	H
17749.200	37.95	-22.29	41.55	18.69	54.00	16.05	V
17910.900	38.29	-22.64	41.52	19.41	54.00	15.71	V

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Channel 42

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5149.500	42.3	-23.3	34.3	31.25	54.0	11.7	V
5148.600	42.1	-23.3	34.3	31.05	54.0	11.9	V
10420.200	31.5	-29.3	37.5	23.24	54.0	22.5	V
15630.500	35.3	-24.5	40.4	19.51	54.0	18.7	H
17724.000	38.2	-22.2	41.2	19.20	54.0	15.8	V
17837.600	38.3	-22.5	41.3	19.52	54.0	15.7	V

Channel 58

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5356.800	40.1	-22.3	34.5	27.92	54.0	13.9	V
5351.600	40.2	-22.3	34.5	28.04	54.0	13.8	V
10580.000	31.2	-29.3	37.6	22.88	54.0	22.8	H
15871.200	35.6	-24.0	40.6	18.94	54.0	18.4	H
17718.600	37.8	-22.2	41.2	18.76	54.0	16.2	V
17828.500	38.0	-22.5	41.3	19.17	54.0	16.0	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5456.700	39.5	-22.7	34.6	27.63	54.0	14.5	V
5454.500	39.4	-22.7	34.6	27.50	54.0	14.6	V
11060.100	34.0	-29.9	38.0	25.88	54.0	20.0	H
17740.400	38.0	-22.3	41.2	19.02	54.0	16.0	V
17822.900	37.8	-22.5	41.3	19.04	54.0	16.2	H
17914.200	38.1	-22.6	41.3	19.45	54.0	15.9	H

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5384.500	38.7	-22.3	34.5	26.47	54.0	15.3	V
5398.400	38.7	-22.3	34.5	26.47	54.0	15.3	V
11380.200	32.0	-29.8	38.4	23.46	54.0	22.0	H
16143.200	36.5	-23.3	41.0	18.83	54.0	17.5	V
17742.600	38.1	-22.3	41.2	19.15	54.0	15.9	H
17902.100	38.1	-22.6	41.3	19.49	54.0	15.9	H

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Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5392.600	45.2	-22.3	34.5	32.96	54.0	8.8	V
5396.800	45.2	-22.3	34.5	32.98	54.0	8.8	V
11000.700	30.4	-29.9	37.9	22.39	54.0	23.6	H
15750.500	34.2	-24.3	40.5	18.02	54.0	19.8	V
17842.700	37.1	-22.5	41.3	18.33	54.0	16.9	V
17939.500	37.3	-22.7	41.3	18.75	54.0	16.7	V

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5449.000	43.8	-22.7	34.6	31.95	54.0	10.2	V
5451.400	43.8	-22.7	34.6	31.98	54.0	10.2	V
11140.400	33.1	-30.4	38.1	25.40	54.0	20.9	H
17836.100	38.0	-22.5	41.3	19.20	54.0	16.0	H
17892.200	38.0	-22.6	41.3	19.30	54.0	16.0	V
17953.800	38.0	-22.7	41.3	19.40	54.0	16.0	V

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Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5150.000	42.3	-23.3	34.3	31.24	54.0	11.7	V
5149.400	42.1	-23.3	34.3	31.04	54.0	11.9	V
10420.000	31.5	-29.3	37.5	23.24	54.0	22.5	H
15630.000	35.3	-24.5	40.4	19.46	54.0	18.7	V
17746.500	38.0	-22.3	41.2	19.02	54.0	16.0	V
17905.600	38.2	-22.6	41.3	19.59	54.0	15.8	V

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5351.400	40.4	-22.3	34.5	28.18	54.0	13.6	V
5350.000	40.5	-22.3	34.5	28.34	54.0	13.5	V
10580.000	30.9	-29.3	37.6	22.58	54.0	23.1	H
15872.600	35.6	-24.0	40.6	18.91	54.0	18.4	H
17830.500	38.1	-22.5	41.3	19.32	54.0	15.9	V
17911.500	38.1	-22.6	41.3	19.45	54.0	15.9	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5367.900	38.0	-22.3	34.5	25.74	54.0	16.0	V
5391.500	38.0	-22.3	34.5	25.78	54.0	16.0	V
11059.000	33.5	-29.9	38.0	25.41	54.0	20.5	V
17742.600	38.0	-22.3	41.2	19.02	54.0	16.0	H
17830.600	37.9	-22.5	41.3	19.08	54.0	16.1	H
17905.400	38.2	-22.6	41.3	19.51	54.0	15.8	V

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5361.600	38.8	-22.3	34.5	26.56	54.0	15.2	V
5372.400	38.6	-22.3	34.5	26.39	54.0	15.4	V
11380.200	32.0	-29.8	38.4	23.51	54.0	22.0	H
16164.100	36.5	-23.3	41.0	18.76	54.0	17.5	V
17741.500	38.1	-22.3	41.2	19.12	54.0	15.9	V
17905.400	38.3	-22.6	41.3	19.64	54.0	15.7	V

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Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5396.500	45.0	-22.3	34.5	32.77	54.0	9.0	V
5398.600	45.0	-22.3	34.5	32.83	54.0	9.0	V
10901.700	30.3	-29.9	37.8	22.38	54.0	23.7	V
15750.500	34.3	-24.3	40.5	18.06	54.0	19.7	H
17792.100	36.8	-22.4	41.3	17.98	54.0	17.2	V
17895.500	37.2	-22.6	41.3	18.51	54.0	16.8	H

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5447.500	43.7	-22.7	34.6	31.86	54.0	10.3	V
5452.600	43.7	-22.7	34.6	31.88	54.0	10.3	V
11140.400	33.1	-30.4	38.1	25.42	54.0	20.9	V
17825.100	38.0	-22.5	41.3	19.18	54.0	16.0	H
17876.800	37.7	-22.6	41.3	19.04	54.0	16.3	V
17939.500	38.1	-22.7	41.3	19.50	54.0	15.9	V

PEAK Results:
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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)
5137.637	55.73	-23.49	34.26	44.97	74.00	18.27	V
5146.177	55.19	-23.46	34.26	44.39	74.00	18.81	V
10359.950	46.04	-29.67	37.63	38.08	68.30	22.26	V
15539.850	51.92	-24.49	40.15	36.26	74.00	22.08	H
16786.150	57.12	-23.00	41.90	38.22	68.30	11.17	V
17179.950	56.82	-22.94	41.98	37.77	68.30	11.48	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)
5169.800	54.21	-23.37	34.27	43.32	68.30	14.09	V
5237.000	54.55	-23.18	34.30	43.43	68.30	13.75	H
10400.100	45.32	-29.32	37.68	36.95	68.30	22.98	H
15599.800	50.78	-24.52	40.22	35.09	74.00	23.22	H
16876.350	56.63	-23.00	42.03	37.61	68.30	11.67	V
17101.850	56.09	-23.04	42.08	37.06	68.30	12.21	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)
5201.200	54.53	-23.27	34.28	43.52	74.00	19.47	V
5304.400	54.53	-23.20	34.32	43.41	74.00	19.47	H
10479.850	43.88	-29.57	37.78	35.67	68.30	24.42	H
15720.250	51.94	-24.36	40.37	35.93	68.30	16.36	H
16940.700	56.61	-23.01	42.12	37.51	68.30	11.69	H
17101.850	56.22	-23.04	42.08	37.18	68.30	12.08	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)
5213.000	55.17	-23.24	34.29	44.12	74.00	18.83	H
5290.200	54.94	-23.38	34.32	44.00	74.00	19.06	H
10520.000	46.34	-29.65	37.81	38.18	68.30	21.96	H
57802.000	53.28	0.00	0.00	53.28	74.00	20.72	V
16907.700	55.95	-23.01	42.07	36.89	68.30	12.35	V
17384.000	56.04	-23.00	41.74	37.31	68.30	12.26	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)
5227.600	53.81	-23.20	34.29	42.72	68.30	14.49	H
5328.400	54.06	-22.90	34.33	42.62	68.30	14.24	H
10560.150	45.47	-29.45	37.82	37.10	68.30	22.83	H
15840.150	53.44	-24.06	40.51	36.99	74.00	20.56	H
16914.300	57.36	-23.01	42.08	38.29	68.30	10.94	H
17061.700	57.13	-23.03	42.13	38.04	68.30	11.17	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)
5352.450	54.96	-22.64	34.34	43.26	74.00	19.04	H
5354.376	54.29	-22.63	34.34	42.57	74.00	19.71	H
10639.900	44.12	-29.30	37.86	35.56	74.00	29.88	H
15960.050	52.15	-23.82	40.65	35.31	74.00	21.85	V
16855.450	55.94	-23.00	42.00	36.94	68.30	12.36	V
17031.450	56.58	-23.03	42.16	37.44	68.30	11.72	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)
5393.725	55.51	-22.29	34.36	43.44	74.00	18.49	V
5432.815	55.50	-22.57	34.37	43.70	74.00	18.50	H
10998.500	49.01	-29.88	38.00	40.88	74.00	24.99	H
16500.150	54.11	-23.16	41.50	35.78	68.30	14.19	V
16939.600	56.82	-23.01	42.12	37.71	68.30	11.48	V
17217.350	57.41	-22.88	41.94	38.35	68.30	10.88	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)
5542.450	54.11	-22.61	34.48	42.24	68.30	14.19	V
5645.030	54.37	-22.84	34.67	42.54	68.30	13.93	V
11198.150	48.45	-30.43	38.08	40.80	74.00	25.55	H
16799.900	54.44	-23.00	41.92	35.52	68.30	13.86	V
16947.300	57.04	-23.01	42.13	37.92	68.30	11.26	V
17161.250	56.46	-22.97	42.00	37.42	68.30	11.84	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)
5725.975	54.49	-22.98	34.82	42.65	68.30	13.81	H
5771.212	54.40	-22.90	34.90	42.40	68.30	13.90	H
11400.000	45.96	-29.72	38.16	37.52	74.00	28.04	V
17100.200	55.12	-23.04	42.08	36.08	68.30	13.18	H
17201.400	56.20	-22.90	41.96	37.15	68.30	12.10	H
17365.300	56.21	-22.96	41.76	37.41	68.30	12.09	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5677.200	53.54	-22.85	34.73	41.66	68.30	14.76	H
5765.500	53.64	-22.91	34.89	41.66	68.30	14.66	V
11440.150	46.11	-29.46	38.18	37.40	74.00	27.89	V
17160.150	54.02	-22.97	42.01	34.98	68.30	14.28	V
17320.750	56.37	-22.85	41.81	37.41	68.30	11.93	V
17465.950	56.62	-23.13	41.64	38.11	68.30	11.68	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)
5145.075	57.22	-23.47	34.26	46.42	74.00	16.78	V
5148.873	57.14	-23.45	34.26	46.33	74.00	16.86	H
10359.950	44.68	-29.67	37.63	36.72	68.30	23.62	H
15539.850	51.57	-24.49	40.15	35.91	68.30	16.73	H
16806.500	56.36	-23.00	41.93	37.43	68.30	11.94	H
17079.300	56.31	-23.04	42.10	37.24	68.30	11.99	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)
5164.200	55.49	-23.39	34.27	44.62	68.30	12.81	H
5249.400	54.59	-23.23	34.30	43.52	68.30	13.71	H
10400.100	44.41	-29.32	37.68	36.05	68.30	23.88	H
15599.800	51.94	-24.52	40.22	36.24	74.00	22.06	H
16942.350	55.87	-23.01	42.12	36.76	68.30	12.43	H
17487.400	57.10	-22.99	41.61	38.47	68.30	11.20	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)
5145.200	41.81	-23.47	34.26	31.02	74.00	32.19	H
5356.400	40.69	-22.61	34.34	28.96	74.00	33.31	V
10479.800	44.87	-29.57	37.78	36.66	68.30	23.43	V
15720.300	50.44	-24.36	40.37	34.43	68.30	17.86	V
16701.450	54.44	-23.15	41.78	35.81	68.30	13.86	H
17239.350	54.29	-22.84	41.91	35.22	68.30	14.01	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)
5216.400	54.21	-23.23	34.29	43.16	74.00	19.79	H
5320.200	54.54	-23.00	34.33	43.21	74.00	19.46	H
10520.000	44.71	-29.65	37.81	36.55	68.30	23.59	H
15780.200	51.26	-24.20	40.44	35.02	74.00	22.74	V
16814.750	56.27	-23.00	41.94	37.33	68.30	12.02	V
17054.000	56.47	-23.03	42.13	37.36	68.30	11.83	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)
5232.800	54.33	-23.19	34.30	43.22	68.30	13.97	V
5329.800	54.50	-22.88	34.33	43.05	68.30	13.80	H
10560.150	44.85	-29.45	37.82	36.47	68.30	23.45	H
15840.150	50.99	-24.06	40.51	34.54	74.00	23.01	V
17083.150	56.62	-23.04	42.10	37.56	68.30	11.68	V
17487.400	56.70	-22.99	41.61	38.07	68.30	11.60	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)
5362.233	55.12	-22.56	34.35	43.34	74.00	18.88	H
5365.595	56.09	-22.54	34.35	44.27	74.00	17.91	H
10639.900	44.50	-29.30	37.86	35.95	74.00	29.50	H
15960.050	52.24	-23.82	40.65	35.41	74.00	21.76	V
16804.300	55.56	-23.00	41.93	36.63	68.30	12.74	H
17080.400	56.12	-23.04	42.10	37.06	68.30	12.17	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5412.355	54.25	-22.41	34.37	42.30	74.00	19.75	H
5426.515	54.33	-22.52	34.37	42.48	74.00	19.67	V
10991.900	48.50	-29.89	38.00	40.39	74.00	25.50	V
16500.150	54.09	-23.16	41.50	35.75	68.30	14.21	V
16853.800	56.70	-23.00	42.00	37.70	68.30	11.60	H
17272.900	57.17	-22.79	41.87	38.09	68.30	11.13	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)
5540.800	54.51	-22.62	34.48	42.65	68.30	13.79	H
5744.830	54.56	-22.95	34.85	42.66	68.30	13.74	V
11199.800	48.25	-30.43	38.08	40.59	74.00	25.75	V
16799.900	54.09	-23.00	41.92	35.16	68.30	14.21	V
16999.000	56.65	-23.02	42.20	37.47	68.30	11.65	V
17168.950	56.17	-22.95	42.00	37.13	68.30	12.13	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)
5731.150	54.70	-22.98	34.83	42.85	68.30	13.60	H
5760.875	54.69	-22.92	34.88	42.73	68.30	13.61	H
11400.000	47.35	-29.72	38.16	38.90	74.00	26.65	V
17100.200	54.33	-23.04	42.08	35.29	68.30	13.97	V
17247.600	55.79	-22.83	41.90	36.72	68.30	12.51	H
17425.800	56.18	-23.10	41.69	37.60	68.30	12.12	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5667.200	53.16	-22.84	34.71	41.29	68.30	15.14	H
5764.000	53.38	-22.91	34.88	41.41	68.30	14.92	H
11440.150	46.93	-29.46	38.18	38.22	74.00	27.07	V
17160.150	54.20	-22.97	42.01	35.17	68.30	14.09	V
17304.250	56.43	-22.81	41.83	37.41	68.30	11.87	H
17450.550	56.31	-23.16	41.66	37.82	68.30	11.98	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)
5147.140	55.32	-23.46	34.26	44.52	74.00	18.68	V
5148.680	55.26	-23.45	34.26	44.45	74.00	18.74	V
10379.750	44.12	-29.50	37.66	35.96	68.30	24.17	V
15570.100	51.14	-24.50	40.19	35.46	74.00	22.86	V
16819.150	55.99	-23.00	41.95	37.04	68.30	12.31	H
17018.800	57.30	-23.02	42.18	38.15	68.30	10.99	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)
5169.200	53.51	-23.37	34.27	42.61	74.00	20.49	V
5279.800	54.36	-23.35	34.31	43.39	74.00	19.64	H
10379.750	45.20	-29.50	37.66	37.03	68.30	23.10	V
15570.100	50.92	-24.50	40.19	35.24	74.00	23.08	H
16937.950	55.44	-23.01	42.11	36.34	68.30	12.86	H
17072.150	57.10	-23.03	42.11	38.02	68.30	11.20	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)
5185.400	54.45	-23.31	34.28	43.49	74.00	19.55	H
5312.250	54.64	-23.10	34.33	43.41	74.00	19.36	V
10539.800	44.27	-29.55	37.82	36.00	68.30	24.03	H
15809.900	52.72	-24.12	40.47	36.37	74.00	21.28	H
16887.900	57.23	-23.01	42.04	38.19	68.30	11.07	V
17144.750	56.15	-22.99	42.02	37.12	68.30	12.15	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)
5365.122	55.01	-22.54	34.35	43.20	74.00	18.99	V
5367.780	55.19	-22.52	34.35	43.36	74.00	18.81	H
10620.100	45.67	-29.20	37.85	37.02	74.00	28.33	V
15929.800	53.03	-23.88	40.62	36.29	74.00	20.97	V
16852.700	56.01	-23.00	42.00	37.02	68.30	12.29	H
17426.350	56.88	-23.10	41.69	38.29	68.30	11.42	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)
5417.320	54.84	-22.45	34.37	42.93	74.00	19.16	V
5445.175	54.73	-22.67	34.38	43.01	74.00	19.27	H
11023.800	48.79	-29.82	38.01	40.60	74.00	25.21	H
16529.850	52.81	-23.21	41.54	34.48	68.30	15.49	H
16786.700	55.91	-23.00	41.90	37.00	68.30	12.39	V
17319.650	55.94	-22.85	41.81	36.97	68.30	12.36	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)
5523.600	54.05	-22.62	34.44	42.23	68.30	14.25	H
5641.150	54.55	-22.84	34.66	42.73	68.30	13.75	H
11175.600	48.39	-30.45	38.07	40.77	74.00	25.61	H
16770.200	54.41	-23.01	41.88	35.54	68.30	13.89	H
16983.600	56.69	-23.02	42.18	37.53	68.30	11.61	V
17352.650	56.78	-22.93	41.78	37.93	68.30	11.52	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)
5726.188	54.90	-22.98	34.82	43.06	68.30	13.40	H
5732.300	54.98	-22.97	34.83	43.13	68.30	13.32	H
11340.050	45.87	-30.03	38.14	37.76	74.00	28.13	V
17010.000	54.86	-23.02	42.19	35.70	68.30	13.44	H
17242.100	56.25	-22.84	41.91	37.18	68.30	12.05	H
17395.000	57.02	-23.03	41.72	38.32	68.30	11.28	V

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5652.000	54.15	-22.84	34.68	42.31	68.30	14.15	V
5796.600	53.57	-22.79	34.94	41.42	68.30	14.73	V
11419.800	45.87	-29.59	38.17	37.29	74.00	28.13	H
16980.300	56.82	-23.02	42.17	37.66	68.30	11.48	H
17081.500	56.79	-23.04	42.10	37.73	68.30	11.51	V
17129.900	54.62	-23.02	42.04	35.59	68.30	13.68	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)
5141.908	54.95	-23.48	34.26	44.17	74.00	19.05	H
5144.655	55.67	-23.47	34.26	44.88	74.00	18.33	H
10359.950	44.65	-29.67	37.63	36.68	68.30	23.65	V
15398.500	51.27	-24.45	40.04	35.68	74.00	22.73	V
17237.700	56.77	-22.84	41.91	37.70	68.30	11.53	V
17027.600	56.61	-23.03	42.17	37.47	68.30	11.69	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)
5165.600	54.03	-23.39	34.27	43.15	68.30	14.27	H
5222.200	54.36	-23.22	34.29	43.29	68.30	13.94	H
10400.100	44.67	-29.32	37.68	36.30	74.00	29.33	H
15599.800	50.92	-24.52	40.22	35.23	68.30	17.38	V
16851.600	56.87	-23.00	41.99	37.87	68.30	11.43	H
17392.800	56.62	-23.02	41.73	37.92	68.30	11.68	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)
5201.600	53.96	-23.27	34.28	42.95	74.00	20.04	H
5301.600	53.85	-23.24	34.32	42.77	74.00	20.15	H
10479.850	44.95	-29.57	37.78	36.74	68.30	23.35	H
15720.250	50.97	-24.36	40.37	34.96	74.00	23.03	V
16755.350	55.42	-23.04	41.86	36.60	68.30	12.88	V
17233.500	56.60	-22.85	41.92	37.53	68.30	11.70	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)
5218.000	54.54	-23.23	34.29	43.48	74.00	19.46	H
5296.800	54.37	-23.30	34.32	43.35	74.00	19.63	V
10520.000	44.66	-29.65	37.81	36.50	68.30	23.64	V
15780.200	52.97	-24.20	40.44	36.73	74.00	21.03	H
16823.000	55.81	-23.00	41.95	36.85	68.30	12.49	V
17021.000	56.73	-23.02	42.17	37.58	68.30	11.57	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)
5149.020	55.06	-23.45	34.26	44.25	68.30	13.24	H
5349.800	54.34	-22.66	34.34	42.67	68.30	13.95	V
10560.150	44.73	-29.45	37.82	36.35	68.30	23.57	H
15840.150	56.36	-24.06	40.51	39.91	74.00	17.64	V
16798.800	56.36	-23.00	41.92	37.44	68.30	11.94	H
17099.650	56.35	-23.04	42.08	37.31	68.30	11.95	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)
5353.498	54.97	-22.63	34.34	43.26	74.00	19.03	V
5350.177	54.83	-22.66	34.34	43.15	74.00	19.17	V
10639.900	45.38	-29.30	37.86	36.82	74.00	28.62	V
15960.050	52.67	-23.82	40.65	35.83	74.00	21.33	H
16953.900	56.87	-23.01	42.14	37.74	68.30	11.43	V
17120.000	56.46	-23.03	42.05	37.44	68.30	11.84	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)
5374.675	54.47	-22.29	34.35	42.41	74.00	19.53	V
5382.040	54.37	-22.29	34.35	42.30	74.00	19.63	V
11003.450	48.14	-29.87	38.00	40.00	74.00	25.86	V
15960.050	52.17	-23.82	40.65	35.34	68.30	16.13	V
17102.950	56.07	-23.04	42.08	37.03	68.30	12.23	V
17216.250	55.86	-22.88	41.94	36.80	68.30	12.44	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)
5547.600	53.75	-22.61	34.49	41.88	68.30	14.55	H
5626.000	54.52	-22.85	34.63	42.74	68.30	13.78	V
11201.450	50.82	-30.43	38.08	43.16	74.00	23.18	V
16799.900	53.85	-23.00	41.92	34.92	68.30	14.45	V
16966.000	56.83	-23.01	42.15	37.69	68.30	11.47	V
17167.300	56.28	-22.96	42.00	37.24	68.30	12.02	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.575	54.49	-22.98	34.82	42.65	68.30	13.81	H
5730.212	54.70	-22.98	34.82	42.86	68.30	13.60	H
11400.000	46.31	-29.72	38.16	37.87	74.00	27.69	H
17100.200	54.28	-23.04	42.08	35.24	68.30	14.02	H
17257.500	55.67	-22.81	41.89	36.59	68.30	12.63	H
17575.950	56.89	-22.40	41.58	37.70	68.30	11.41	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5656.400	54.15	-22.84	34.69	42.30	68.30	14.15	V
5764.800	53.84	-22.91	34.89	41.87	68.30	14.45	H
11440.150	47.30	-29.46	38.18	38.59	74.00	26.70	V
17160.150	54.49	-22.97	42.01	35.45	68.30	13.81	H
17365.300	56.08	-22.96	41.76	37.27	68.30	12.22	V
17517.100	56.63	-22.79	41.60	37.82	68.30	11.67	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)
5145.110	55.07	-23.47	34.26	44.28	74.00	18.93	H
5147.035	55.99	-23.46	34.26	45.19	74.00	18.01	H
10379.750	44.19	-29.50	37.66	36.02	68.30	24.11	H
15570.100	51.30	-24.50	40.19	35.62	74.00	22.70	H
16658.550	55.82	-23.24	41.72	37.34	68.30	12.48	V
17155.750	55.98	-22.98	42.01	36.94	68.30	12.32	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)
5186.800	54.09	-23.31	34.28	43.12	74.00	19.91	H
5305.200	53.82	-23.19	34.32	42.69	74.00	20.18	V
10460.050	43.95	-29.49	37.75	35.68	68.30	24.35	V
15690.000	50.94	-24.44	40.33	35.05	74.00	23.06	H
16981.400	56.65	-23.02	42.17	37.49	68.30	11.65	H
17241.000	56.69	-22.84	41.91	37.62	68.30	11.61	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)
5212.400	54.22	-23.24	34.29	43.18	74.00	19.78	V
5329.400	53.95	-22.89	34.33	42.50	74.00	20.05	H
10540.000	48.08	-29.55	37.82	39.81	68.30	20.22	H
15810.000	53.45	-24.12	40.47	37.10	74.00	20.55	V
17623.250	57.07	-22.09	41.58	37.58	68.30	11.23	V
17326.250	56.92	-22.87	41.81	37.98	68.30	11.38	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)
5359.452	55.07	-22.59	34.35	43.31	74.00	18.93	H
5364.258	54.86	-22.55	34.35	43.06	74.00	19.14	V
10620.000	47.53	-29.20	37.85	38.87	74.00	26.47	V
15930.000	55.07	-23.88	40.62	38.33	68.30	13.23	H
17408.200	58.07	-23.06	41.71	39.43	68.30	10.23	V
17854.350	57.16	-22.52	41.53	38.16	68.30	11.13	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)
5446.390	55.26	-22.68	34.38	43.56	74.00	18.74	V
5451.400	54.80	-22.70	34.38	43.12	74.00	19.20	H
11019.950	48.02	-29.83	38.01	39.85	74.00	25.98	V
16529.800	53.63	-23.21	41.54	35.30	68.30	14.67	H
16880.200	56.68	-23.00	42.03	37.65	68.30	11.62	H
17107.900	56.70	-23.04	42.07	37.67	68.30	11.60	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5547.400	53.87	-22.61	34.49	41.99	68.30	14.43	V
5638.800	53.90	-22.84	34.66	42.08	68.30	14.40	V
11180.000	46.53	-30.45	38.07	38.91	74.00	27.47	H
16770.200	54.01	-23.01	41.88	35.14	68.30	14.29	V
16947.850	56.17	-23.01	42.13	37.05	68.30	12.13	V
17112.300	57.11	-23.04	42.06	38.09	68.30	11.19	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)
5728.262	54.81	-22.98	34.82	42.97	68.30	13.49	H
5773.950	55.00	-22.89	34.90	42.99	68.30	13.30	V
11340.050	46.53	-30.03	38.14	38.42	74.00	27.47	V
17010.000	53.72	-23.02	42.19	34.55	68.30	14.58	V
17219.500	55.18	-22.87	41.93	36.12	68.30	13.12	H
17382.900	56.35	-23.00	41.74	37.61	68.30	11.95	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5641.400	53.64	-22.84	34.66	41.82	68.30	14.66	H
5750.400	54.10	-22.94	34.86	42.18	68.30	14.20	V
11419.800	47.35	-29.59	38.17	38.77	74.00	26.65	H
16691.000	56.59	-23.17	41.77	37.99	68.30	11.71	H
17009.450	57.03	-23.02	42.19	37.87	68.30	11.27	H
17129.900	56.23	-23.02	42.04	37.21	68.30	12.07	H

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Channel 42

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5140.455	58.6	-23.3	34.3	47.56	74.0	15.4	H
5141.435	58.0	-23.3	34.3	46.96	74.0	16.0	V
10420.100	44.9	-29.3	37.5	36.64	68.3	23.4	H
15632.500	51.4	-24.5	40.4	35.59	74.0	22.6	V
16940.500	56.9	-23.0	41.7	38.24	68.3	11.4	V
17538.600	57.3	-22.6	41.2	38.71	68.3	11.0	V

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5350.461	59.0	-22.3	34.5	46.78	74.0	15.0	H
5350.988	58.3	-22.3	34.5	46.11	74.0	15.7	V
10580.400	45.3	-29.3	37.6	37.02	68.3	23.0	V
15870.500	51.7	-24.0	40.6	35.03	74.0	22.3	H
17096.700	56.7	-23.0	41.6	38.18	68.3	11.6	V
17302.500	57.0	-22.8	41.4	38.40	68.3	11.3	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5455.105	57.3	-22.7	34.6	45.39	74.0	16.7	V
5456.665	57.6	-22.7	34.6	45.69	74.0	16.4	V
11070.550	47.8	-29.9	38.0	39.74	74.0	26.2	V
16589.800	54.0	-23.3	41.5	35.82	74.0	20.0	H
16848.850	55.8	-23.0	41.6	37.17	68.3	12.5	H
17080.950	57.4	-23.0	41.6	38.82	68.3	10.9	V

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5612.200	53.4	-22.8	34.7	41.47	68.3	14.9	H
5797.000	54.4	-22.8	35.0	42.20	68.3	13.9	H
11380.200	45.7	-29.8	38.4	37.17	74.0	28.3	V
16590.350	56.5	-23.3	41.5	38.35	74.0	17.5	V
16984.150	57.0	-23.0	41.7	38.34	68.3	11.3	V
17069.950	54.3	-23.0	41.6	35.73	68.3	14.0	H

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Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5402.976	61.5	-22.3	34.5	49.28	68.3	6.8	H
5417.813	61.0	-22.5	34.5	48.94	68.3	7.3	H
10500.200	43.3	-29.7	37.6	35.39	68.3	25.0	H
15749.950	51.1	-24.3	40.5	34.86	74.0	22.9	V
16683.300	56.0	-23.2	41.5	37.71	68.3	12.3	H
17117.250	57.1	-23.0	41.6	38.54	68.3	11.2	H

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5447.680	59.3	-22.7	34.6	47.38	68.3	9.0	V
5454.250	59.5	-22.7	34.6	47.66	68.3	8.8	V
11139.850	46.8	-30.4	38.1	39.08	74.0	27.2	H
16710.250	54.5	-23.1	41.5	36.11	68.3	13.8	H
16911.000	55.8	-23.0	41.6	37.21	68.3	12.5	H
17034.750	56.3	-23.0	41.7	37.71	68.3	12.0	V

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Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5127.120	61.5	-23.3	34.3	50.50	74.0	12.5	H
5146.948	59.8	-23.3	34.3	48.73	74.0	14.2	V
10420.000	44.7	-29.3	37.5	36.47	68.3	23.6	H
15631.000	51.5	-24.5	40.4	35.66	74.0	22.5	H
17550.200	57.1	-22.6	41.2	38.46	68.3	11.2	V
17658.500	57.2	-22.1	41.2	38.03	68.3	11.1	V

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5351.825	58.3	-22.3	34.5	46.15	74.0	15.7	H
5353.418	58.4	-22.3	34.5	46.19	74.0	15.6	V
10580.500	44.5	-29.3	37.6	36.22	68.3	23.8	V
15868.500	51.7	-24.0	40.6	35.01	74.0	22.4	H
16949.600	56.7	-23.0	41.7	38.02	68.3	11.6	V
17692.000	57.3	-22.2	41.2	38.23	68.3	11.0	H

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5454.760	58.2	-22.7	34.6	46.29	74.0	15.8	H
5459.155	58.4	-22.7	34.6	46.51	74.0	15.6	H
11060.100	46.9	-29.9	38.0	38.77	74.0	27.1	V
16589.800	53.5	-23.3	41.5	35.30	68.3	14.9	V
16909.350	55.4	-23.0	41.6	36.78	68.3	12.9	V
17413.700	57.2	-23.1	41.3	38.97	68.3	11.1	V

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5613.800	54.3	-22.8	34.7	42.44	68.3	14.0	H
5807.200	54.7	-22.7	35.0	42.45	68.3	13.6	V
11380.200	46.3	-29.8	38.4	37.81	74.0	27.7	V
16924.750	57.0	-23.0	41.7	38.33	68.3	11.3	H
17069.950	54.4	-23.0	41.6	35.84	68.3	13.9	V
17672.750	57.8	-22.1	41.2	38.65	68.3	10.5	V

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Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5383.253	61.2	-22.3	34.5	48.94	68.3	7.1	V
5403.260	61.0	-22.3	34.5	48.86	68.3	7.3	H
10500.200	44.5	-29.7	37.6	36.51	68.3	23.8	V
15749.950	51.9	-24.3	40.5	35.67	68.3	16.4	H
16763.600	55.7	-23.0	41.6	37.11	68.3	12.6	V
16991.300	56.8	-23.0	41.7	38.17	68.3	11.5	V

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5405.935	60.1	-22.4	34.5	47.94	68.3	8.2	H
5410.930	60.1	-22.4	34.5	47.98	68.3	8.2	H
11139.850	47.0	-30.4	38.1	39.31	74.0	27.0	V
16710.250	53.7	-23.1	41.5	35.30	68.3	14.6	H
16930.250	57.2	-23.0	41.7	38.55	68.3	11.1	H
17084.800	56.3	-23.0	41.6	37.73	68.3	12.0	H

Conclusion: Pass

AWAN

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)
5146.800	38.4	-23.3	34.3	27.38	54.0	15.6	V
5150.000	38.5	-23.3	34.3	27.49	54.0	15.5	V
11126.100	30.4	-30.3	38.1	22.66	54.0	23.6	V
15540.400	34.4	-24.5	40.1	18.72	54.0	19.6	H
17843.800	37.0	-22.5	41.5	18.01	54.0	17.0	H
17902.100	37.4	-22.6	41.5	18.45	54.0	16.7	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)
5146.000	38.3	-23.3	34.3	27.31	54.0	15.7	V
5150.000	38.2	-23.3	34.3	27.25	54.0	15.8	V
10896.200	30.5	-29.9	38.0	22.43	54.0	23.5	H
15599.800	34.3	-24.5	40.2	18.62	54.0	19.7	V
17861.400	37.0	-22.5	41.5	17.98	54.0	17.0	V
17921.900	37.3	-22.7	41.5	18.48	54.0	16.7	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)
5144.400	38.1	-23.3	34.3	27.16	54.0	15.9	V
5148.400	38.2	-23.3	34.3	27.17	54.0	15.8	V
11048.000	30.6	-29.8	38.0	22.33	54.0	23.4	H
15719.700	34.0	-24.4	40.4	18.00	54.0	20.0	H
17844.900	37.1	-22.5	41.5	18.03	54.0	16.9	H
17953.800	37.2	-22.7	41.5	18.42	54.0	16.8	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)
5352.000	39.30	-22.29	34.34	27.25	54.00	14.70	V
5357.600	39.33	-22.29	34.34	27.27	54.00	14.67	V
10616.800	30.66	-29.18	37.85	21.99	54.00	23.34	H
15780.200	34.68	-24.20	40.44	18.44	54.00	19.32	H
17741.500	37.66	-22.27	41.55	18.39	54.00	16.34	V
17904.300	37.80	-22.63	41.52	18.90	54.00	16.20	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)
5352.800	39.34	-22.29	34.34	27.29	54.00	14.66	V
5355.200	39.36	-22.29	34.34	27.31	54.00	14.64	V
10611.300	30.63	-29.19	37.85	21.98	54.00	23.37	V
15839.600	35.13	-24.06	40.51	18.68	54.00	18.87	H
17720.600	37.66	-22.23	41.56	18.33	54.00	16.34	H
17902.100	37.82	-22.62	41.52	18.92	54.00	16.18	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)
5350.000	40.41	-22.29	34.34	28.36	54.00	13.59	V
5352.000	40.51	-22.29	34.34	28.46	54.00	13.49	V
10639.900	30.33	-29.30	37.86	21.78	54.00	23.67	H
15959.500	35.49	-23.82	40.65	18.66	54.00	18.51	V
17727.200	37.68	-22.24	41.55	18.37	54.00	16.32	V
17907.600	37.98	-22.63	41.52	19.09	54.00	16.02	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)
5361.150	39.47	-22.29	34.35	27.42	54.00	14.53	V
5393.700	39.33	-22.29	34.36	27.26	54.00	14.67	V
10999.600	31.60	-29.87	38.00	23.47	54.00	22.40	V
16145.400	36.48	-23.31	40.94	18.85	54.00	17.52	V
17912.000	38.08	-22.64	41.52	19.20	54.00	15.92	H
17725.000	37.78	-22.24	41.55	18.46	54.00	16.22	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)
5435.900	39.19	-22.60	34.38	27.41	54.00	14.81	V
5368.750	39.40	-22.29	34.35	27.34	54.00	14.60	V
11199.800	31.47	-30.43	38.08	23.82	54.00	22.53	V
16139.900	36.29	-23.31	40.93	18.68	54.00	17.71	H
17741.500	37.95	-22.27	41.55	18.67	54.00	16.05	H
17907.600	38.11	-22.63	41.52	19.23	54.00	15.89	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)
5406.500	39.23	-22.37	34.36	27.23	48.30	9.07	V
5440.650	39.19	-22.63	34.38	27.45	48.30	9.11	V
11400.000	32.05	-29.72	38.16	23.61	48.30	16.25	V
16144.300	36.38	-23.31	40.93	18.75	48.30	11.92	H
17743.700	37.92	-22.28	41.55	18.65	48.30	10.38	V
17920.800	38.10	-22.66	41.52	19.24	48.30	10.20	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5389.900	38.79	-22.29	34.36	26.72	48.30	9.51	V
5436.600	38.76	-22.60	34.38	26.99	48.30	9.54	V
11439.600	31.27	-29.47	38.18	22.56	48.30	17.03	V
16154.200	35.67	-23.29	40.95	18.02	48.30	12.63	V
17736.000	37.29	-22.26	41.55	18.00	48.30	11.01	H
17905.400	37.86	-22.63	41.52	18.97	48.30	10.44	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)
5143.600	37.5	-23.3	34.3	26.50	54.0	16.5	V
5150.000	37.8	-23.3	34.3	26.79	54.0	16.2	V
10851.100	30.5	-29.8	37.9	22.35	54.0	23.5	H
15404.000	34.5	-24.5	40.0	18.92	54.0	19.5	V
17835.000	37.3	-22.5	41.5	18.30	54.0	16.7	V
17924.100	37.3	-22.7	41.5	18.47	54.0	16.7	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)
5143.600	37.5	-23.3	34.3	26.54	54.0	16.5	V
5148.400	37.8	-23.3	34.3	26.77	54.0	16.2	V
10999.600	30.8	-29.9	38.0	22.69	54.0	23.2	V
15599.800	34.4	-24.5	40.2	18.71	54.0	19.6	V
17882.300	37.2	-22.6	41.5	18.26	54.0	16.8	H
17945.000	37.4	-22.7	41.5	18.56	54.0	16.6	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)
5145.200	37.6	-23.3	34.3	26.61	54.0	16.4	V
5150.000	37.7	-23.3	34.3	26.71	54.0	16.3	V
11110.700	30.6	-30.2	38.0	22.78	54.0	23.4	V
15719.700	34.2	-24.4	40.4	18.17	54.0	19.8	V
17794.300	37.1	-22.4	41.5	17.94	54.0	16.9	V
17920.800	37.5	-22.7	41.5	18.62	54.0	16.5	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)
5352.400	39.39	-22.29	34.34	27.34	54.00	14.61	V
5355.600	39.37	-22.29	34.34	27.31	54.00	14.63	V
10614.600	30.64	-29.17	37.85	21.97	54.00	23.36	V
15780.200	34.74	-24.20	40.44	18.50	54.00	19.26	H
17745.900	37.77	-22.29	41.55	18.50	54.00	16.23	H
17908.700	37.94	-22.64	41.52	19.06	54.00	16.06	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)
5353.600	39.42	-22.29	34.34	27.37	54.00	14.58	V
5359.200	39.34	-22.29	34.35	27.28	54.00	14.66	V
10616.800	30.79	-29.18	37.85	22.12	54.00	23.21	H
15839.600	35.28	-24.06	40.51	18.83	54.00	18.72	H
17745.900	37.77	-22.29	41.55	18.51	54.00	16.23	H
17896.600	37.77	-22.61	41.52	18.86	54.00	16.23	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)
5354.000	39.74	-22.29	34.34	27.69	54.00	14.26	V
5361.600	39.59	-22.29	34.35	27.54	54.00	14.41	V
10639.900	30.35	-29.30	37.86	21.80	54.00	23.65	H
15959.500	35.37	-23.82	40.65	18.54	54.00	18.63	V
17736.000	37.81	-22.26	41.55	18.52	54.00	16.19	V
17904.300	37.95	-22.63	41.52	19.05	54.00	16.05	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)
5364.500	39.38	-22.29	34.35	27.32	54.00	14.62	V
5374.125	39.29	-22.29	34.35	27.22	54.00	14.71	V
10999.600	32.44	-29.87	38.00	24.32	54.00	21.56	H
16145.400	36.49	-23.31	40.94	18.86	54.00	17.51	H
17736.000	37.97	-22.26	41.55	18.68	54.00	16.03	V
17910.900	38.09	-22.64	41.52	19.21	54.00	15.91	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)
5387.900	39.38	-22.29	34.36	27.30	54.00	14.62	V
5397.780	39.28	-22.30	34.36	27.22	54.00	14.72	V
11199.800	31.52	-30.43	38.08	23.86	54.00	22.48	V
16149.800	36.50	-23.30	40.94	18.86	54.00	17.50	H
17740.400	37.93	-22.27	41.55	18.65	54.00	16.07	H
17912.000	38.10	-22.64	41.52	19.22	54.00	15.90	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)
5359.280	39.47	-22.29	34.35	27.42	54.00	14.53	V
5390.650	39.35	-22.29	34.36	27.28	54.00	14.65	V
11400.000	31.99	-29.72	38.16	23.55	54.00	22.01	H
16152.000	36.46	-23.30	40.95	18.81	54.00	17.54	V
17741.500	37.94	-22.27	41.55	18.66	54.00	16.06	H
17902.100	38.06	-22.62	41.52	19.17	54.00	15.94	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5398.100	38.81	-22.30	34.36	26.75	54.00	15.19	V
5437.900	38.74	-22.61	34.38	26.97	54.00	15.26	V
11439.600	31.18	-29.47	38.18	22.47	54.00	22.82	V
16154.200	35.73	-23.29	40.95	18.07	54.00	18.27	H
17734.900	37.30	-22.26	41.55	18.01	54.00	16.7	V
17910.900	37.69	-22.64	41.52	18.82	54.00	16.31	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)
5144.400	38.8	-23.3	34.3	27.83	54.0	15.2	V
5150.000	39.1	-23.3	34.3	28.07	54.0	14.9	V
10738.900	30.6	-29.7	37.9	22.49	54.0	23.4	V
15570.100	34.9	-24.5	40.2	19.20	54.0	19.1	H
17733.800	37.5	-22.3	41.6	18.19	54.0	16.5	V
17920.800	37.7	-22.7	41.5	18.87	54.0	16.3	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)
5146.000	38.6	-23.3	34.3	27.59	54.0	15.4	V
5150.000	38.7	-23.3	34.3	27.67	54.0	15.3	V
10614.600	30.5	-29.2	37.8	21.84	54.0	23.5	V
15690.000	34.7	-24.4	40.3	18.85	54.0	19.3	V
17732.700	37.5	-22.3	41.6	18.17	54.0	16.5	V
17910.900	37.7	-22.6	41.5	18.82	54.0	16.3	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)
5350.400	39.66	-22.29	34.34	27.61	54.00	14.34	V
5356.000	39.63	-22.29	34.34	27.58	54.00	14.37	V
10611.300	30.77	-29.19	37.85	22.12	54.00	23.23	H
15809.900	35.16	-24.12	40.47	18.81	54.00	18.84	H
17741.500	37.84	-22.27	41.55	18.56	54.00	16.16	V
17912.000	37.93	-22.64	41.52	19.06	54.00	16.07	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)
5350.000	40.01	-22.29	34.34	27.96	54.00	13.99	V
5353.600	40.02	-22.29	34.34	27.96	54.00	13.98	V
10620.100	30.75	-29.20	37.85	22.09	54.00	23.25	H
15929.800	35.47	-23.88	40.62	18.73	54.00	18.53	V
17736.000	37.80	-22.26	41.55	18.51	54.00	16.20	H
17921.900	37.94	-22.66	41.52	19.09	54.00	16.06	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)
5456.800	38.47	-22.70	34.38	26.78	54.00	15.53	V
5460.000	38.44	-22.69	34.38	26.74	54.00	15.56	V
11020.500	32.27	-29.83	38.01	24.09	54.00	21.73	H
16144.300	36.46	-23.31	40.93	18.84	54.00	17.54	V
17744.800	37.94	-22.28	41.55	18.67	54.00	16.06	V
17906.500	38.08	-22.63	41.52	19.20	54.00	15.92	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)
5449.700	38.27	-22.70	34.38	26.59	54.00	15.73	V
5460.000	38.18	-22.69	34.38	26.48	54.00	15.82	V
11800.400	33.05	-29.35	38.50	23.90	54.00	20.95	V
16144.300	36.45	-23.31	40.93	18.83	54.00	17.55	V
17743.700	37.88	-22.28	41.55	18.61	54.00	16.12	V
17907.600	38.10	-22.63	41.52	19.22	54.00	15.90	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)
5449.700	38.37	-22.70	34.38	26.69	54.00	15.63	V
5459.400	38.20	-22.69	34.38	26.51	54.00	15.8	V
11339.500	31.85	-30.03	38.14	23.75	54.00	22.15	H
16146.500	36.45	-23.30	40.94	18.81	54.00	17.55	H
17736.000	37.94	-22.26	41.55	18.65	54.00	16.06	V
17904.300	38.15	-22.63	41.52	19.26	54.00	15.85	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5395.800	38.83	-22.29	34.36	26.75	48.30	9.47	V
5438.100	38.85	-22.61	34.38	27.09	48.30	9.45	V
11419.800	31.23	-29.59	38.17	22.65	48.30	17.07	V
16161.900	35.69	-23.29	40.96	18.01	48.30	12.61	H
17737.100	37.46	-22.26	41.55	18.17	48.30	10.84	H
17917.500	37.83	-22.65	41.52	18.97	48.30	10.47	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)
5142.800	38.5	-23.3	34.3	27.50	54.0	15.5	V
5150.000	38.7	-23.3	34.3	27.75	54.0	15.3	V
10988.600	31.0	-29.9	38.0	22.86	54.0	23.0	V
15540.400	34.8	-24.5	40.1	19.10	54.0	19.2	V
17843.380	37.4	-22.5	41.5	18.32	54.0	16.7	H
17910.900	37.6	-22.6	41.5	18.75	54.0	16.4	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)
5143.600	39.7	-23.3	34.3	28.70	54.0	14.3	V
5149.200	39.8	-23.3	34.3	28.78	54.0	14.2	V
10617.900	30.4	-29.2	37.8	21.70	54.0	23.6	V
15599.800	34.7	-24.5	40.2	19.02	54.0	19.3	H
17741.500	37.5	-22.3	41.6	18.24	54.0	16.5	H
17910.900	37.6	-22.6	41.5	18.77	54.0	16.4	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)
5143.600	38.3	-23.3	34.3	27.33	54.0	15.7	V
5149.600	38.4	-23.3	34.3	27.36	54.0	15.6	V
10611.300	30.4	-29.2	37.8	21.75	54.0	23.6	V
15690.000	34.7	-24.4	40.3	18.82	54.0	19.3	V
17750.300	37.5	-22.3	41.5	18.22	54.0	16.5	H
17920.800	37.6	-22.7	41.5	18.79	54.0	16.4	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)
5354.400	39.54	-22.29	34.34	27.49	54.00	14.46	V
5363.600	39.38	-22.29	34.35	27.32	54.00	14.62	V
10623.400	30.64	-29.21	37.85	22.01	54.00	23.36	H
15780.200	34.83	-24.20	40.44	18.59	54.00	19.17	V
17741.500	37.80	-22.27	41.55	18.52	54.00	16.20	H
17902.100	37.92	-22.62	41.52	19.02	54.00	16.08	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)
5351.600	39.58	-22.29	34.34	27.53	54.00	14.42	V
5358.000	39.48	-22.29	34.35	27.43	54.00	14.52	V
10617.900	30.78	-29.18	37.85	22.12	54.00	23.22	V
15839.600	35.32	-24.06	40.51	18.87	54.00	18.68	H
17709.600	37.81	-22.20	41.56	18.45	54.00	16.19	V
17902.100	37.95	-22.62	41.52	19.06	54.00	16.05	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)
5350.000	39.78	-22.29	34.34	27.73	54.00	14.22	V
5366.800	39.62	-22.29	34.35	27.56	54.00	14.38	V
10639.900	30.43	-29.30	37.86	21.88	54.00	23.57	V
15959.500	35.53	-23.82	40.65	18.70	54.00	18.47	V
17734.900	37.78	-22.26	41.55	18.49	54.00	16.22	H
17905.400	37.93	-22.63	41.52	19.04	54.00	16.07	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)
5454.100	38.00	-22.70	34.38	26.32	54.00	16.00	V
5460.000	38.02	-22.69	34.38	26.33	54.00	15.98	V
10997.400	32.29	-29.88	38.00	24.17	54.00	21.71	H
16153.100	36.43	-23.30	40.95	18.78	54.00	17.57	V
17737.100	37.93	-22.26	41.55	18.64	54.00	16.07	V
17904.300	38.12	-22.63	41.52	19.23	54.00	15.88	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)
5455.400	37.87	-22.70	34.38	26.19	54.00	16.13	V
5460.000	37.84	-22.69	34.38	26.15	54.00	16.16	V
11199.800	31.56	-30.43	38.08	23.90	54.00	22.44	V
16145.400	36.44	-23.31	40.94	18.81	54.00	17.56	V
17741.500	37.96	-22.27	41.55	18.69	54.00	16.04	H
17910.900	38.11	-22.64	41.52	19.23	54.00	15.89	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)
5456.900	37.95	-22.70	34.38	26.26	54.00	16.05	54.00
5460.000	37.86	-22.69	34.38	26.16	54.00	16.14	54.00
11400.000	32.12	-29.72	38.16	23.68	54.00	21.88	54.00
16153.100	36.44	-23.30	40.95	18.79	54.00	17.56	54.00
17741.500	37.93	-22.27	41.55	18.65	54.00	16.07	54.00
17902.100	38.10	-22.62	41.52	19.20	54.00	15.9	54.00

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5401.200	38.78	-22.32	34.36	26.75	54.00	15.22	V
5439.700	38.77	-22.62	34.38	27.02	54.00	15.23	V
11439.600	31.08	-29.47	38.18	22.37	54.00	22.92	V
16142.100	35.54	-23.31	40.93	17.92	54.00	18.46	H
17738.200	37.30	-22.27	41.55	18.01	54.00	16.7	V
17919.700	37.74	-22.66	41.52	18.88	54.00	16.26	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)
5144.000	39.0	-23.3	34.3	28.03	54.0	15.0	V
5150.000	39.3	-23.3	34.3	28.27	54.0	14.7	V
10614.600	30.5	-29.2	37.8	21.81	54.0	23.5	V
15570.100	34.9	-24.5	40.2	19.26	54.0	19.1	H
17707.400	37.5	-22.2	41.6	18.16	54.0	16.5	V
17908.700	37.8	-22.6	41.5	18.90	54.0	16.2	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)
5145.600	38.7	-23.3	34.3	27.69	54.0	15.3	V
5149.600	38.8	-23.3	34.3	27.82	54.0	15.2	V
10613.500	30.7	-29.2	37.8	21.99	54.0	23.3	H
15690.000	34.8	-24.4	40.3	18.95	54.0	19.2	H
17761.300	37.5	-22.3	41.5	18.25	54.0	16.5	V
17902.100	37.8	-22.6	41.5	18.95	54.0	16.2	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)
5355.200	39.62	-22.29	34.34	27.57	54.00	14.38	V
5360.400	39.55	-22.29	34.35	27.50	54.00	14.45	V
10614.600	30.79	-29.17	37.85	22.11	54.00	23.21	V
15809.900	35.26	-24.12	40.47	18.91	54.00	18.74	H
17741.500	37.84	-22.27	41.55	18.56	54.00	16.16	H
17903.200	37.98	-22.63	41.52	19.09	54.00	16.02	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)
5350.000	39.86	-22.29	34.34	27.81	54.00	14.14	V
5357.600	39.88	-22.29	34.34	27.82	54.00	14.12	V
10620.100	30.88	-29.20	37.85	22.22	54.00	23.12	V
15929.800	35.47	-23.88	40.62	18.73	54.00	18.53	H
17718.400	37.79	-22.22	41.56	18.46	54.00	16.21	H
17904.300	38.07	-22.63	41.52	19.17	54.00	15.93	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)
5457.900	38.68	-22.70	34.38	26.99	54.00	15.32	V
5460.000	38.58	-22.69	34.38	26.88	54.00	15.42	V
11020.500	32.23	-29.83	38.01	24.06	54.00	21.77	V
16153.100	36.44	-23.30	40.95	18.79	54.00	17.56	V
17741.500	37.96	-22.27	41.55	18.69	54.00	16.04	H
17920.800	38.12	-22.66	41.52	19.27	54.00	15.88	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)
5442.600	38.61	-22.65	34.38	26.88	54.00	15.39	V
5460.000	38.25	-22.69	34.38	26.56	54.00	15.75	V
11180.000	31.50	-30.45	38.07	23.87	54.00	22.50	H
16144.300	36.46	-23.31	40.93	18.83	54.00	17.54	V
17738.200	37.97	-22.27	41.55	18.68	54.00	16.03	V
17912.000	38.12	-22.64	41.52	19.25	54.00	15.88	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)
5445.900	38.43	-22.67	34.38	26.72	54.00	15.57	V
5460.000	38.16	-22.69	34.38	26.47	54.00	15.84	V
11339.500	31.91	-30.03	38.14	23.80	54.00	22.09	V
16145.400	36.52	-23.31	40.94	18.89	54.00	17.48	H
17742.600	37.92	-22.28	41.55	18.65	54.00	16.08	V
17910.900	38.23	-22.64	41.52	19.35	54.00	15.77	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5402.000	38.77	-22.33	34.36	26.74	54.00	15.23	V
5438.100	38.78	-22.61	34.38	27.01	54.00	15.22	V
11419.800	31.24	-29.59	38.17	22.66	54.00	22.76	H
16187.200	35.69	-23.25	41.00	17.94	54.00	18.31	H
17737.100	37.50	-22.26	41.55	18.21	54.00	16.5	V
17918.600	37.83	-22.66	41.52	18.97	54.00	16.17	V

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Channel 42

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5146.000	39.6	-23.3	34.3	28.54	54.0	14.4	V
5150.000	39.8	-23.3	34.3	28.75	54.0	14.2	V
10614.600	30.9	-29.2	37.7	22.45	54.0	23.1	H
15629.500	35.1	-24.5	40.4	19.23	54.0	18.9	V
17744.800	37.9	-22.3	41.2	18.96	54.0	16.1	H
17908.700	38.1	-22.6	41.3	19.43	54.0	15.9	V

Channel 58

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	40.3	-22.3	34.5	28.15	54.0	13.7	V
5355.200	40.2	-22.3	34.5	28.01	54.0	13.8	V
10614.600	30.9	-29.2	37.7	22.42	54.0	23.1	H
15870.400	35.3	-24.0	40.6	18.67	54.0	18.7	V
17732.700	37.8	-22.3	41.2	18.84	54.0	16.2	V
17931.800	38.0	-22.7	41.3	19.40	54.0	16.0	H

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5457.800	39.4	-22.7	34.6	27.56	54.0	14.6	V
5460.000	39.4	-22.7	34.6	27.49	54.0	14.6	V
11060.100	32.1	-29.9	38.0	23.98	54.0	21.9	H
16589.800	36.9	-23.3	41.5	18.74	54.0	17.1	H
17750.300	38.1	-22.3	41.3	19.11	54.0	15.9	V
17914.200	38.4	-22.6	41.3	19.75	54.0	15.6	H

Channel 122

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5408.200	38.7	-22.4	34.5	26.59	54.0	15.3	V
5438.900	38.8	-22.6	34.6	26.87	54.0	15.2	V
11380.200	31.3	-29.8	38.4	22.74	54.0	22.7	V
16161.900	35.8	-23.3	41.0	18.12	54.0	18.2	H
17733.800	37.5	-22.3	41.2	18.48	54.0	16.5	V
17903.200	37.9	-22.6	41.3	19.22	54.0	16.1	V

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Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	42.7	-22.3	34.5	30.50	54.0	11.3	V
5383.200	43.1	-22.3	34.5	30.86	54.0	10.9	V
10612.400	30.9	-29.2	37.7	22.44	54.0	23.1	V
15750.500	35.3	-24.3	40.5	19.03	54.0	18.7	H
17741.500	37.9	-22.3	41.2	18.97	54.0	16.1	V
17910.900	38.0	-22.6	41.3	19.36	54.0	16.0	H

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5398.900	40.6	-22.3	34.5	28.41	54.0	13.4	V
5425.200	40.8	-22.5	34.5	28.78	54.0	13.2	V
11140.400	31.6	-30.4	38.1	23.92	54.0	22.4	H
16709.700	36.8	-23.1	41.5	18.44	54.0	17.2	H
17752.500	37.9	-22.3	41.3	18.97	54.0	16.1	H
17930.700	38.1	-22.7	41.3	19.46	54.0	15.9	V

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Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5145.600	39.4	-23.3	34.3	28.40	54.0	14.6	V
5150.000	39.7	-23.3	34.3	28.66	54.0	14.3	V
10614.600	30.8	-29.2	37.7	22.31	54.0	23.2	H
15629.500	35.1	-24.5	40.4	19.24	54.0	18.9	V
17766.800	37.7	-22.3	41.3	18.75	54.0	16.3	V
17899.900	37.9	-22.6	41.3	19.27	54.0	16.1	H

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	40.6	-22.3	34.5	28.42	54.0	13.4	V
5355.200	40.4	-22.3	34.5	28.19	54.0	13.6	V
10624.500	30.8	-29.2	37.7	22.31	54.0	23.2	H
15870.400	35.4	-24.0	40.6	18.71	54.0	18.6	V
17708.500	37.9	-22.2	41.2	18.84	54.0	16.1	H
17903.200	38.0	-22.6	41.3	19.36	54.0	16.0	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5456.600	39.2	-22.7	34.6	27.34	54.0	14.8	V
5460.000	39.3	-22.7	34.6	27.44	54.0	14.7	V
11060.100	32.0	-29.9	38.0	23.84	54.0	22.0	V
16589.800	36.8	-23.3	41.5	18.69	54.0	17.2	V
17714.000	38.0	-22.2	41.2	19.00	54.0	16.0	V
17908.700	38.2	-22.6	41.3	19.60	54.0	15.8	H

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5393.500	38.8	-22.3	34.5	26.58	54.0	15.2	V
5438.200	38.8	-22.6	34.6	26.84	54.0	15.2	V
11380.200	31.3	-29.8	38.4	22.81	54.0	22.7	H
16142.100	35.9	-23.3	41.0	18.20	54.0	18.1	V
17775.600	37.3	-22.4	41.3	18.39	54.0	16.7	V
17903.200	37.9	-22.6	41.3	19.22	54.0	16.1	H

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Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5353.600	43.1	-22.3	34.5	30.91	54.0	10.9	V
5382.400	43.2	-22.3	34.5	30.95	54.0	10.8	V
10604.700	30.8	-29.2	37.7	22.37	54.0	23.2	V
15750.500	35.3	-24.3	40.5	19.08	54.0	18.7	V
17741.500	37.9	-22.3	41.2	18.91	54.0	16.1	V
17903.200	38.1	-22.6	41.3	19.41	54.0	15.9	H

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5411.700	41.0	-22.4	34.5	28.92	54.0	13.0	V
5425.400	41.1	-22.5	34.5	29.02	54.0	12.9	V
11140.400	31.6	-30.4	38.1	23.94	54.0	22.4	V
16709.700	36.9	-23.1	41.5	18.49	54.0	17.1	V
17734.900	38.0	-22.3	41.2	18.97	54.0	16.0	V
17910.900	38.2	-22.6	41.3	19.53	54.0	15.8	V

PEAK Results:
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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)
5145.932	56.25	-23.28	34.26	45.27	74.00	17.75	V
5146.615	56.53	-23.28	34.26	45.55	74.00	17.47	V
10359.950	44.08	-29.67	37.63	36.12	68.30	24.22	V
15539.850	53.02	-24.49	40.15	37.36	74.00	20.98	H
16656.900	55.69	-23.25	41.72	37.22	68.30	12.61	H
16964.350	56.79	-23.01	42.15	37.65	68.30	11.51	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)
5172.800	55.02	-23.21	34.27	43.96	68.30	13.28	V
5228.000	55.52	-23.35	34.29	44.57	68.30	12.78	H
10400.100	43.86	-29.32	37.68	35.49	68.30	24.44	H
15599.800	50.63	-24.52	40.22	34.93	74.00	23.37	V
16696.500	55.19	-23.16	41.78	36.57	68.30	13.11	H
17010.000	56.47	-23.02	42.19	37.30	68.30	11.83	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)
5209.600	57.01	-23.28	34.29	46.00	68.30	11.29	H
5271.800	56.78	-22.95	34.31	45.42	68.30	11.52	V
10479.850	44.54	-29.57	37.78	36.33	68.30	23.76	V
15720.250	50.73	-24.36	40.37	34.72	74.00	23.27	H
16830.700	55.55	-23.00	41.97	36.58	68.30	12.75	V
17054.000	55.85	-23.03	42.13	36.75	68.30	12.45	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)
5229.800	54.55	-23.36	34.29	43.61	68.30	13.75	V
5291.600	55.61	-22.70	34.32	43.99	68.30	12.69	V
10520.000	45.81	-29.65	37.81	37.65	68.30	22.49	H
15780.200	51.63	-24.20	40.44	35.39	74.00	22.37	H
16975.350	56.75	-23.02	42.17	37.60	68.30	11.55	V
17327.350	57.36	-22.87	41.81	38.42	68.30	10.94	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)
5247.800	55.92	-23.26	34.30	44.87	68.30	12.38	V
5312.200	57.32	-22.54	34.33	45.53	68.30	10.98	H
10560.150	43.78	-29.45	37.82	35.40	68.30	24.52	V
15840.150	51.72	-24.06	40.51	35.27	74.00	22.28	H
17097.450	57.68	-23.04	42.08	38.64	68.30	10.62	V
17523.150	56.90	-22.75	41.60	38.05	68.30	11.40	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)
5350.123	60.22	-22.29	34.34	48.17	74.00	13.78	V
5351.690	60.77	-22.29	34.34	48.72	74.00	13.23	H
10639.900	44.27	-29.30	37.86	35.72	74.00	29.73	H
15960.050	52.19	-23.82	40.65	35.36	74.00	21.81	H
16814.200	56.61	-23.00	41.94	37.67	68.30	11.69	H
17113.950	56.97	-23.04	42.06	37.95	68.30	11.33	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)
5436.865	54.73	-22.60	34.38	42.96	74.00	19.27	V
5439.325	55.10	-22.62	34.38	43.34	74.00	18.90	H
11000.150	46.28	-29.87	38.00	38.16	74.00	27.72	V
16500.150	53.62	-23.16	41.50	35.28	68.30	14.68	V
16848.850	56.97	-23.00	41.99	37.98	68.30	11.33	H
16996.250	56.91	-23.02	42.19	37.74	68.30	11.39	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)
5561.800	54.57	-22.62	34.52	42.67	68.30	13.73	H
5623.000	54.12	-22.85	34.63	42.34	68.30	14.18	V
11199.800	45.79	-30.43	38.08	38.13	74.00	28.21	H
16799.900	54.38	-23.00	41.92	35.46	68.30	13.92	V
16967.100	56.16	-23.01	42.15	37.02	68.30	12.14	H
17648.550	57.65	-22.06	41.57	38.14	68.30	10.65	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)
5726.863	54.68	-22.98	34.82	42.84	68.30	13.62	H
5729.488	54.63	-22.98	34.82	42.79	68.30	13.66	H
11400.000	47.11	-29.72	38.16	38.67	74.00	26.89	V
16970.950	57.20	-23.02	42.16	38.06	68.30	11.10	H
17100.200	54.64	-23.04	42.08	35.60	68.30	13.66	V
17418.650	57.80	-23.08	41.70	39.19	68.30	10.50	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5695.800	53.72	-22.90	34.76	41.85	68.30	14.58	H
5748.200	54.15	-22.94	34.86	42.24	68.30	14.15	V
11440.150	45.48	-29.46	38.18	36.77	74.00	28.52	V
16948.400	56.95	-23.01	42.13	37.84	68.30	11.34	H
17100.200	56.32	-23.04	42.08	37.28	68.30	11.98	V
17525.900	56.72	-22.73	41.59	37.86	68.30	11.58	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)
5149.188	55.19	-23.27	34.26	44.20	74.00	18.81	V
5149.677	55.37	-23.27	34.26	44.38	74.00	18.63	V
10359.950	43.69	-29.67	37.63	35.73	68.30	24.61	H
15539.850	51.79	-24.49	40.15	36.13	74.00	22.21	V
16640.400	55.37	-23.28	41.70	36.95	68.30	12.93	H
17006.150	56.70	-23.02	42.19	37.53	68.30	11.60	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)
5171.000	54.78	-23.22	34.27	43.73	68.30	13.52	H
5231.200	54.49	-23.36	34.29	43.56	68.30	13.81	H
10400.100	44.28	-29.32	37.68	35.91	68.30	24.02	V
15599.800	50.67	-24.52	40.22	34.97	74.00	23.33	H
16835.650	56.52	-23.00	41.97	37.55	68.30	11.78	H
17154.100	55.93	-22.98	42.01	36.90	68.30	12.37	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)
5209.400	55.89	-23.28	34.29	44.88	68.30	12.41	H
5274.000	56.48	-22.92	34.31	45.09	68.30	11.82	H
10479.850	43.87	-29.57	37.78	35.66	68.30	24.43	V
15720.250	50.84	-24.36	40.37	34.83	74.00	23.16	V
16455.600	55.98	-23.09	41.43	37.64	68.30	12.32	H
16962.700	56.18	-23.01	42.15	37.05	68.30	12.12	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)
5239.600	54.63	-23.36	34.30	43.69	68.30	13.67	H
5290.400	54.69	-22.71	34.32	43.08	68.30	13.61	H
10520.000	46.23	-29.65	37.81	38.07	68.30	22.06	V
15780.200	52.31	-24.20	40.44	36.07	74.00	21.69	H
16946.750	56.89	-23.01	42.13	37.77	68.30	11.41	V
17598.500	57.57	-22.25	41.58	38.24	68.30	10.73	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)
5252.600	53.71	-23.19	34.30	42.60	68.30	14.59	H
5309.600	56.56	-22.56	34.33	44.80	68.30	11.74	H
10560.150	44.62	-29.45	37.82	36.24	68.30	23.68	V
15840.150	52.24	-24.06	40.51	35.79	74.00	21.76	V
16847.750	56.84	-23.00	41.99	37.86	68.30	11.45	H
17673.300	57.17	-22.12	41.57	37.72	68.30	11.13	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)
5350.029	57.04	-22.29	34.34	44.99	74.00	16.96	V
5350.353	56.67	-22.29	34.34	44.62	74.00	17.33	V
10639.900	44.86	-29.30	37.86	36.31	74.00	29.14	V
15960.050	52.68	-23.82	40.65	35.85	74.00	21.32	H
16788.900	56.64	-23.00	41.91	37.73	68.30	11.66	V
17063.350	56.93	-23.03	42.12	37.84	68.30	11.37	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)
5447.700	54.72	-22.69	34.38	43.03	74.00	19.28	V
5454.715	54.49	-22.70	34.38	42.81	74.00	19.51	V
11000.150	46.00	-29.87	38.00	37.87	74.00	28.00	H
16243.850	56.79	-23.19	41.09	38.88	68.30	11.51	H
16500.150	54.80	-23.16	41.50	36.46	68.30	13.50	H
17096.350	56.56	-23.04	42.08	37.52	68.30	11.73	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)
5573.600	55.75	-22.67	34.54	43.88	68.30	12.55	H
5622.450	54.19	-22.85	34.63	42.41	68.30	14.11	V
11199.800	45.82	-30.43	38.08	38.17	74.00	28.18	V
16799.900	54.22	-23.00	41.92	35.29	68.30	14.08	V
16931.350	56.75	-23.01	42.11	37.65	68.30	11.55	H
17459.900	57.63	-23.17	41.65	39.15	68.30	10.67	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)
5731.375	55.13	-22.98	34.83	43.28	68.30	13.17	H
5736.462	54.76	-22.97	34.84	42.90	68.30	13.54	H
11400.000	45.55	-29.72	38.16	37.10	74.00	28.45	V
16838.950	56.84	-23.00	41.98	37.87	68.30	11.46	V
17100.200	55.42	-23.04	42.08	36.38	68.30	12.88	H
17450.550	56.86	-23.16	41.66	38.36	68.30	11.44	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5684.400	54.02	-22.87	34.74	42.15	68.30	14.28	H
5751.600	53.65	-22.94	34.86	41.73	68.30	14.65	H
11440.150	44.79	-29.46	38.18	36.07	74.00	29.21	H
16996.800	56.51	-23.02	42.20	37.33	68.30	11.79	H
17100.000	54.27	-23.04	42.08	35.23	68.30	14.03	V
17402.700	56.59	-23.05	41.72	37.92	68.30	11.71	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)
5139.300	54.12	-23.30	34.26	43.17	74.00	19.88	V
5146.965	54.31	-23.28	34.26	43.33	74.00	19.69	H
10379.750	45.24	-29.50	37.66	37.08	68.30	23.06	V
15570.100	51.52	-24.50	40.19	35.84	74.00	22.48	V
17072.700	57.17	-23.03	42.11	38.10	68.30	11.13	V
17414.800	57.42	-23.08	41.70	38.79	68.30	10.88	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)
5189.600	55.11	-23.20	34.28	44.03	68.30	13.19	V
5282.200	55.17	-22.82	34.32	43.67	68.30	13.13	H
10460.050	46.02	-29.49	37.75	37.75	68.30	22.28	H
15690.000	50.91	-24.44	40.33	35.01	74.00	23.09	V
16939.050	56.56	-23.01	42.12	37.46	68.30	11.74	V
17555.600	57.14	-22.53	41.59	38.08	68.30	11.16	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)
5236.200	55.49	-23.38	34.30	44.58	68.30	12.81	V
5306.600	56.26	-22.58	34.32	44.52	68.30	12.04	H
10539.800	45.03	-29.55	37.82	36.76	68.30	23.27	V
15809.900	51.50	-24.12	40.47	35.15	74.00	22.50	V
16911.000	57.21	-23.01	42.08	38.14	68.30	11.09	V
17523.700	57.52	-22.74	41.60	38.67	68.30	10.78	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)
5366.998	55.80	-22.29	34.35	43.74	74.00	18.20	H
5370.617	56.92	-22.29	34.35	44.86	74.00	17.08	H
10620.100	45.54	-29.20	37.85	36.89	74.00	28.46	V
15929.800	51.73	-23.88	40.62	34.99	74.00	22.27	H
16922.000	56.53	-23.01	42.09	37.45	68.30	11.77	V
17095.250	56.42	-23.04	42.08	37.38	68.30	11.88	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)
5400.205	53.94	-22.32	34.36	41.89	74.00	20.06	V
5455.465	54.03	-22.70	34.38	42.34	74.00	19.97	H
11019.950	46.15	-29.83	38.01	37.97	74.00	27.85	V
16529.850	53.72	-23.21	41.54	35.39	68.30	14.58	V
16696.500	56.59	-23.16	41.78	37.97	68.30	11.71	H
16934.650	56.92	-23.01	42.11	37.82	68.30	11.38	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)
5558.200	55.81	-22.61	34.51	43.91	68.30	12.49	V
5623.000	53.78	-22.85	34.63	41.99	68.30	14.52	V
11180.000	46.53	-30.45	38.07	38.90	74.00	27.47	H
16770.200	53.64	-23.01	41.88	34.77	68.30	14.66	H
17148.600	57.06	-22.99	42.02	38.03	68.30	11.23	H
17491.800	57.62	-22.96	41.61	38.97	68.30	10.68	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)
5759.288	55.32	-22.92	34.88	43.37	68.30	12.98	H
5806.012	55.49	-22.72	34.96	43.25	68.30	12.81	H
11340.050	45.40	-30.03	38.14	37.29	74.00	28.60	V
16636.550	56.68	-23.29	41.69	38.28	68.30	11.62	V
17010.000	54.29	-23.02	42.19	35.13	68.30	14.01	H
17599.050	57.77	-22.25	41.58	38.43	68.30	10.53	V

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5678.200	53.49	-22.85	34.73	41.61	68.30	14.81	V
5746.800	54.19	-22.95	34.85	42.28	68.30	14.11	V
11419.800	46.02	-29.59	38.17	37.44	74.00	27.98	H
16994.000	56.09	-23.02	42.19	36.92	68.30	12.21	V
17129.900	54.41	-23.02	42.04	35.38	68.30	13.89	V
17305.350	56.83	-22.82	41.83	37.81	68.30	11.47	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)
5148.505	55.70	-23.28	34.26	44.72	74.00	18.30	V
5149.520	55.75	-23.27	34.26	44.76	74.00	18.25	V
10359.950	44.18	-29.67	37.63	36.22	68.30	24.12	H
15539.850	51.33	-24.49	40.15	35.67	74.00	22.67	V
16633.800	55.49	-23.29	41.69	37.09	68.30	12.81	V
16967.100	56.72	-23.01	42.15	37.58	68.30	11.58	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)
5170.000	56.18	-23.22	34.27	45.13	68.30	12.12	H
5226.400	55.54	-23.34	34.29	44.59	68.30	12.76	H
10400.100	44.57	-29.32	37.68	36.20	68.30	23.73	V
15599.800	50.59	-24.52	40.22	34.89	74.00	23.41	V
16748.750	55.64	-23.05	41.85	36.84	68.30	12.66	H
17112.300	56.79	-23.04	42.06	37.77	68.30	11.51	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)
5210.000	56.88	-23.28	34.29	45.87	68.30	11.42	V
5268.600	58.28	-22.99	34.31	46.96	68.30	10.02	H
10479.850	43.56	-29.57	37.78	35.35	68.30	24.74	V
15720.000	51.22	-24.36	40.37	35.21	74.00	22.78	V
16772.240	56.48	-23.00	41.88	37.60	68.30	11.82	V
16979.200	56.32	-23.02	42.17	37.16	68.30	11.98	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)
5230.400	55.19	-23.36	34.29	44.26	68.30	13.11	V
5286.400	56.02	-22.76	34.32	44.46	68.30	12.28	V
10520.000	44.49	-29.65	37.81	36.33	68.30	23.80	H
15780.200	51.95	-24.20	40.44	35.71	74.00	22.05	H
16884.600	57.05	-23.00	42.04	38.01	68.30	11.25	V
16952.800	56.87	-23.01	42.13	37.75	68.30	11.43	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)
5253.600	54.56	-23.18	34.30	43.44	68.30	13.74	H
5309.800	56.38	-22.56	34.33	44.61	68.30	11.92	H
10560.150	44.62	-29.45	37.82	36.24	68.30	23.68	H
15840.150	51.78	-24.06	40.51	35.33	74.00	22.22	V
17013.850	56.38	-23.02	42.18	37.22	68.30	11.92	H
17254.750	56.86	-22.82	41.89	37.79	68.30	11.44	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)
5350.150	56.74	-22.29	34.34	44.69	74.00	17.26	V
5353.039	57.90	-22.29	34.34	45.85	74.00	16.10	H
10639.900	44.81	-29.30	37.86	36.26	74.00	29.19	V
15960.050	52.10	-23.82	40.65	35.27	74.00	21.90	V
16937.950	56.53	-23.01	42.11	37.42	68.30	11.77	V
17307.550	56.80	-22.82	41.83	37.79	68.30	11.50	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)
5381.200	54.56	-22.29	34.35	42.49	74.00	19.44	H
5401.195	54.09	-22.32	34.36	42.06	74.00	19.91	V
11000.150	45.63	-29.87	38.00	37.51	74.00	28.37	H
16500.150	53.95	-23.16	41.50	35.61	68.30	14.35	V
16982.500	57.08	-23.02	42.18	37.92	68.30	11.22	V
17427.450	57.99	-23.11	41.69	39.41	68.30	10.31	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)
5579.200	54.29	-22.69	34.55	42.43	68.30	14.01	V
5632.600	53.61	-22.84	34.65	41.81	68.30	14.69	V
11199.800	45.29	-30.43	38.08	37.64	74.00	28.71	V
16799.900	53.91	-23.00	41.92	34.98	68.30	14.39	H
17105.700	56.93	-23.04	42.07	37.90	68.30	11.37	H
17264.650	57.31	-22.80	41.88	38.23	68.30	10.99	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)
5729.062	53.57	-22.98	34.82	41.73	68.30	14.73	H
5741.188	54.66	-22.96	34.84	42.77	68.30	13.64	V
11400.000	46.57	-29.72	38.16	38.12	74.00	27.43	H
16911.000	57.06	-23.01	42.08	37.99	68.30	11.24	V
17100.200	54.42	-23.04	42.08	35.38	68.30	13.88	H
17231.100	57.55	-22.85	41.92	38.49	68.30	10.75	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5692.200	53.20	-22.89	34.76	41.33	68.30	15.10	H
5748.800	54.40	-22.94	34.86	42.49	68.30	13.90	V
11440.150	46.26	-29.46	38.18	37.55	74.00	27.74	H
16672.850	56.42	-23.21	41.74	37.89	68.30	11.88	V
17100.200	54.41	-23.04	42.08	35.37	68.30	13.89	V
17163.450	56.59	-22.96	42.00	37.55	68.30	11.71	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)
5134.453	55.22	-23.31	34.26	44.27	74.00	18.78	V
5149.520	55.11	-23.27	34.26	44.12	74.00	18.89	V
10379.750	44.76	-29.50	37.66	36.59	68.30	23.54	V
15570.100	51.56	-24.50	40.19	35.88	74.00	22.44	V
16962.150	56.79	-23.01	42.15	37.66	68.30	11.51	H
17629.850	57.16	-22.04	41.57	37.63	68.30	11.14	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)
5190.800	54.91	-23.20	34.28	43.84	68.30	13.39	V
5269.200	56.34	-22.98	34.31	45.01	68.30	11.96	V
10460.050	44.14	-29.49	37.75	35.87	68.30	24.16	V
15690.000	51.67	-24.44	40.33	35.78	74.00	22.33	V
16909.900	57.11	-23.01	42.08	38.04	68.30	11.19	V
17307.550	57.41	-22.82	41.83	38.41	68.30	10.89	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)
5235.400	53.78	-23.38	34.30	42.87	68.30	14.52	H
5304.600	55.27	-22.60	34.32	43.55	68.30	13.03	H
10539.800	44.71	-29.55	37.82	36.45	68.30	23.59	V
15809.900	51.47	-24.12	40.47	35.12	74.00	22.53	V
16883.500	56.49	-23.00	42.04	37.46	68.30	11.81	H
17691.450	57.71	-22.16	41.56	38.31	68.30	10.59	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)
5362.139	55.28	-22.29	34.35	43.23	74.00	18.72	V
5368.416	55.28	-22.29	34.35	43.22	74.00	18.72	H
10620.100	46.25	-29.20	37.85	37.60	74.00	27.75	H
15929.800	52.33	-23.88	40.62	35.59	74.00	21.67	V
16933.000	56.45	-23.01	42.11	37.36	68.30	11.84	V
17132.100	56.43	-23.01	42.04	37.41	68.30	11.87	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)
5427.130	54.54	-22.53	34.37	42.70	74.00	19.46	V
5455.075	54.66	-22.70	34.38	42.98	74.00	19.34	H
11019.950	46.16	-29.83	38.01	37.98	74.00	27.84	H
16529.850	54.06	-23.21	41.54	35.73	68.30	14.24	H
16896.150	56.74	-23.01	42.06	37.69	68.30	11.56	H
17503.350	57.39	-22.88	41.60	38.67	68.30	10.91	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5552.000	54.83	-22.61	34.50	42.94	68.30	13.47	H
5620.400	53.43	-22.85	34.62	41.65	68.30	14.87	V
11180.000	45.34	-30.45	38.07	37.72	74.00	28.66	H
16770.200	53.66	-23.01	41.88	34.79	68.30	14.64	H
16864.800	56.67	-23.00	42.01	37.66	68.30	11.63	H
17567.700	56.98	-22.45	41.59	37.85	68.30	11.31	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)
5736.025	54.56	-22.97	34.83	42.69	68.30	13.74	V
5785.837	54.90	-22.87	34.92	42.85	68.30	13.40	V
11340.050	47.10	-30.03	38.14	38.99	74.00	26.90	V
16938.500	56.83	-23.01	42.12	37.72	68.30	11.47	V
17010.000	53.94	-23.02	42.19	34.78	68.30	14.36	H
17122.200	56.98	-23.03	42.05	37.96	68.30	11.32	V

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5668.600	54.10	-22.84	34.71	42.22	68.30	14.20	V
5757.400	54.12	-22.93	34.87	42.18	68.30	14.18	H
11419.800	45.54	-29.59	38.17	36.97	74.00	28.46	V
16808.150	56.12	-23.00	41.93	37.19	68.30	12.18	V
17030.900	56.44	-23.03	42.16	37.30	68.30	11.86	H
17129.900	54.01	-23.02	42.04	34.98	68.30	14.29	V

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Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5136.553	54.9	-23.3	34.3	43.90	74.0	19.1	V
5148.418	55.5	-23.3	34.3	44.45	74.0	18.5	H
10419.900	45.2	-29.3	37.5	36.98	68.3	23.1	V
15630.050	51.2	-24.5	40.4	35.34	74.0	22.8	H
16458.900	56.7	-23.1	41.4	38.47	68.3	11.6	V
16930.800	56.6	-23.0	41.7	37.91	68.3	11.7	H

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5353.404	55.6	-22.3	34.5	43.39	74.0	18.4	V
5363.205	56.4	-22.3	34.5	44.20	74.0	17.6	V
10579.950	44.5	-29.3	37.6	36.19	68.3	23.8	H
15869.850	51.8	-24.0	40.6	35.15	74.0	22.2	V
17001.750	56.3	-23.0	41.7	37.62	68.3	12.0	V
17161.800	57.1	-23.0	41.5	38.51	68.3	11.2	H

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5412.985	54.9	-22.4	34.5	42.75	74.0	19.1	H
5458.165	55.8	-22.7	34.6	43.92	74.0	18.2	H
11060.100	45.2	-29.9	38.0	37.04	74.0	28.8	H
16589.800	53.4	-23.3	41.5	35.23	68.3	14.9	H
16795.500	57.0	-23.0	41.6	38.45	68.3	11.3	H
17528.100	56.7	-22.7	41.2	38.23	68.3	11.6	V

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5601.800	54.8	-22.8	34.7	42.83	68.3	13.5	H
5782.800	54.6	-22.9	34.9	42.49	68.3	13.7	H
11380.200	45.1	-29.8	38.4	36.63	74.0	28.9	H
16955.000	56.3	-23.0	41.7	37.63	68.3	12.0	H
17049.050	56.6	-23.0	41.7	37.96	68.3	11.7	V
17069.950	54.2	-23.0	41.6	35.63	68.3	14.1	V

802.11ax-HT160

Channel 50

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5377.097	58.5	-22.3	34.5	46.26	74.0	15.5	H
5387.991	58.5	-22.3	34.5	46.27	74.0	15.5	V
10500.200	44.8	-29.7	37.6	36.90	68.3	23.5	V
15749.950	52.1	-24.3	40.5	35.88	74.0	21.9	V
16911.000	56.7	-23.0	41.6	38.09	68.3	11.6	V
17480.250	57.0	-23.0	41.2	38.79	68.3	11.3	V

Channel 114

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5736.688	56.0	-23.0	34.9	44.06	68.3	12.3	V
5747.425	56.5	-22.9	34.9	44.51	68.3	11.8	V
11139.850	46.5	-30.4	38.1	38.81	68.3	21.8	V
16710.250	53.7	-23.1	41.5	35.29	68.3	14.6	V
17114.500	56.7	-23.0	41.6	38.20	68.3	11.6	V
17524.250	56.8	-22.7	41.2	38.29	68.3	11.5	H

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5140.298	56.0	-23.3	34.3	45.01	74.0	18.0	H
5141.278	55.8	-23.3	34.3	44.78	74.0	18.2	V
10419.900	44.6	-29.3	37.5	36.34	68.3	23.7	V
15630.050	51.8	-24.5	40.4	35.93	74.0	22.2	V
17069.400	57.0	-23.0	41.6	38.44	68.3	11.3	H
17516.000	56.8	-22.8	41.2	38.36	68.3	11.5	V

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5352.041	55.9	-22.3	34.5	43.70	74.0	18.1	V
5399.561	55.3	-22.3	34.5	43.13	74.0	18.7	H
10579.950	44.8	-29.3	37.6	36.52	68.3	23.5	H
15869.850	52.4	-24.0	40.6	35.79	74.0	21.6	V
16974.800	56.1	-23.0	41.7	37.38	68.3	12.2	V
17556.150	56.6	-22.5	41.2	37.90	68.3	11.7	H

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5451.625	55.3	-22.7	34.6	43.43	74.0	18.7	H
5458.720	55.4	-22.7	34.6	43.52	74.0	18.6	H
11060.100	46.0	-29.9	38.0	37.85	74.0	28.0	V
16589.800	53.4	-23.3	41.5	35.28	68.3	14.9	H
16816.400	56.6	-23.0	41.6	37.98	68.3	11.7	V
17498.950	56.6	-22.9	41.2	38.26	68.3	11.7	H

Channel 138

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5573.800	55.1	-22.7	34.7	43.06	68.3	13.2	H
5769.400	53.7	-22.9	34.9	41.69	68.3	14.6	V
11380.200	46.4	-29.8	38.4	37.89	74.0	27.6	H
17069.950	54.5	-23.0	41.6	35.85	68.3	13.9	V
17069.950	54.5	-23.0	41.6	35.85	68.3	13.9	V
17286.100	57.2	-22.8	41.4	38.52	68.3	11.1	V

802.11ac-HT160

Channel 50

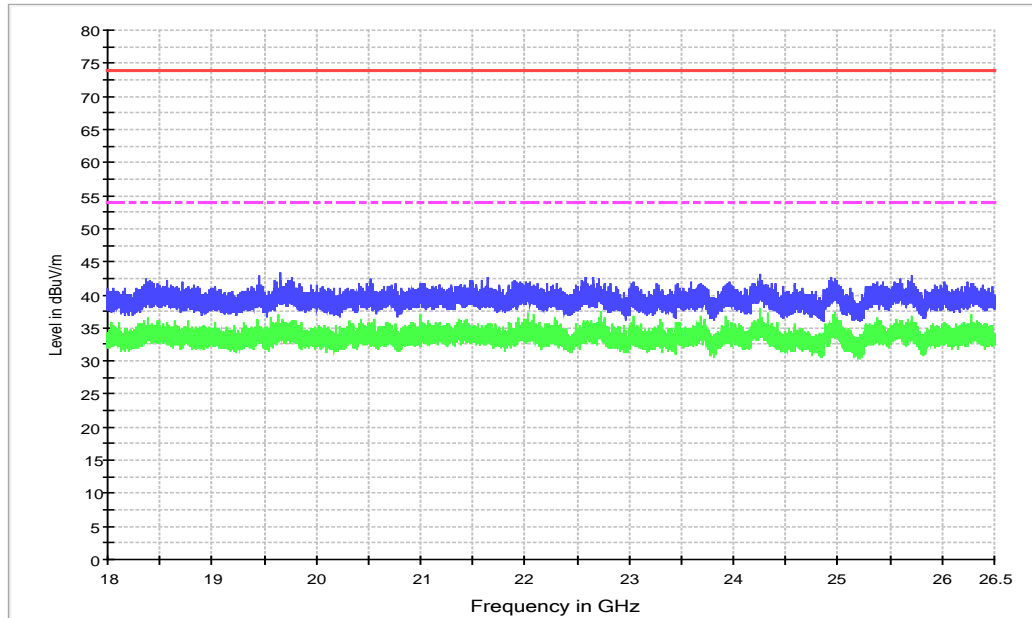
Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5360.303	58.5	-22.3	34.5	46.33	74.0	15.5	V
5396.564	58.9	-22.3	34.5	46.69	74.0	15.1	H
10500.200	44.5	-29.7	37.6	36.50	68.3	23.9	H
15749.950	51.6	-24.3	40.5	35.33	74.0	22.4	H
16884.600	57.1	-23.0	41.6	38.52	68.3	11.2	H
17237.700	57.1	-22.8	41.5	38.51	68.3	11.2	H

Channel 114

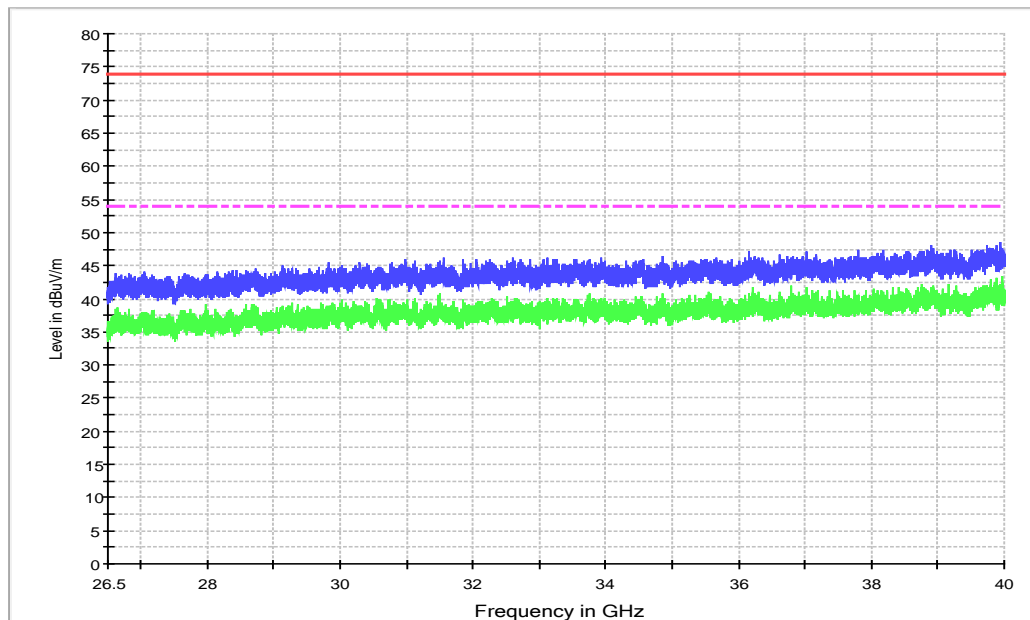
Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
5727.025	56.8	-23.0	34.9	44.87	68.3	11.5	H
5735.100	56.9	-23.0	34.9	44.98	68.3	11.4	V
11139.850	45.3	-30.4	38.1	37.60	68.3	23.0	H
16710.250	53.7	-23.1	41.5	35.28	68.3	14.6	V
16970.950	57.1	-23.0	41.7	38.39	68.3	11.2	H
17678.800	56.7	-22.1	41.2	37.58	68.3	11.6	V

Conclusion: PASS

WOSRT CASE 18GHz-26.5 GHz



WOSRT CASE 26.5GHz-40GHz

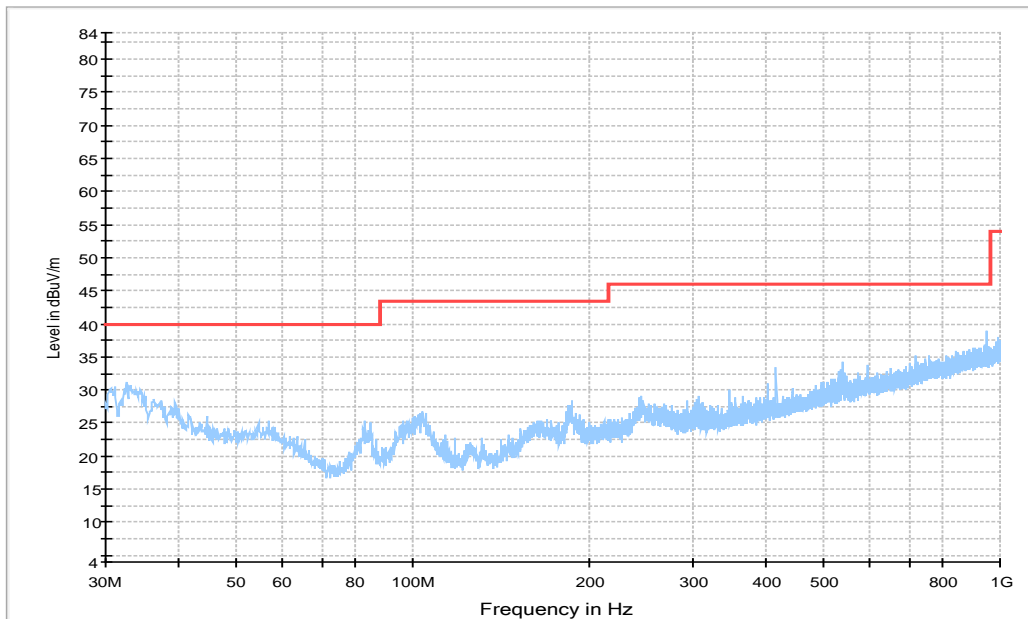


Note: the spurious emission above 18G is noise only

C.1.2 Radiated Spurious Emission- Below 1GHz

WOSRT CASE BELOW 1GHz

- FCC Part 15C 30-1G Limit
- Peak Preview Result
- ◆ Final Result QPK



BELOW 30MHz

There are no emissions found below 30MHz with in 20dB of the limit.

C.1.3 Band Edges Compliance– Radiated

SPEED:

Mode	Channel	Test Results	Conclusion
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
802.11ac HT20	5180 MHz	Fig.9	P
	5320 MHz	Fig.10	P
	5500 MHz	Fig.11	P
	5700 MHz	Fig.12	P
802.11n HT40	5190 MHz	Fig.13	P
	5310 MHz	Fig.14	P
	5510 MHz	Fig.15	P
	5670 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
802.11ax HT80	5210MHz	Fig.24	P
	5290MHz	Fig.25	P
	5530MHz	Fig.26	P
802.11ac HT160	5250MHz	Fig.27	P
	5250MHz	Fig.28	P
	5570MHz	Fig.29	P
802.11ax HT160	5250MHz	Fig.30	P
	5250MHz	Fig.31	P
	5570MHz	Fig.32	P

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.

Conclusion: PASS

AWAN:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.33	P
	5320 MHz	Fig.34	P
	5500 MHz	Fig.35	P
	5700 MHz	Fig.36	P
802.11n HT20	5180 MHz	Fig.37	P
	5320 MHz	Fig.38	P
	5500 MHz	Fig.39	P
	5700 MHz	Fig.40	P
802.11ac HT20	5180 MHz	Fig.41	P
	5320 MHz	Fig.42	P
	5500 MHz	Fig.43	P
	5700 MHz	Fig.44	P
802.11n HT40	5190 MHz	Fig.45	P
	5310 MHz	Fig.46	P
	5510 MHz	Fig.47	P
	5670 MHz	Fig.48	P
802.11ac HT40	5190 MHz	Fig.49	P
	5310 MHz	Fig.50	P
	5510 MHz	Fig.51	P
	5670 MHz	Fig.52	P
802.11ac HT80	5210MHz	Fig.53	P
	5290MHz	Fig.54	P
	5530MHz	Fig.55	P
802.11ax HT80	5210MHz	Fig.56	P
	5290MHz	Fig.57	P
	5530MHz	Fig.58	P
802.11ac HT160	5250MHz	Fig.59	P
	5250MHz	Fig.60	P
	5570MHz	Fig.61	P
802.11ax HT160	5250MHz	Fig.62	P
	5250MHz	Fig.63	P
	5570MHz	Fig.64	P

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.

Conclusion: PASS

Test graphs as below:

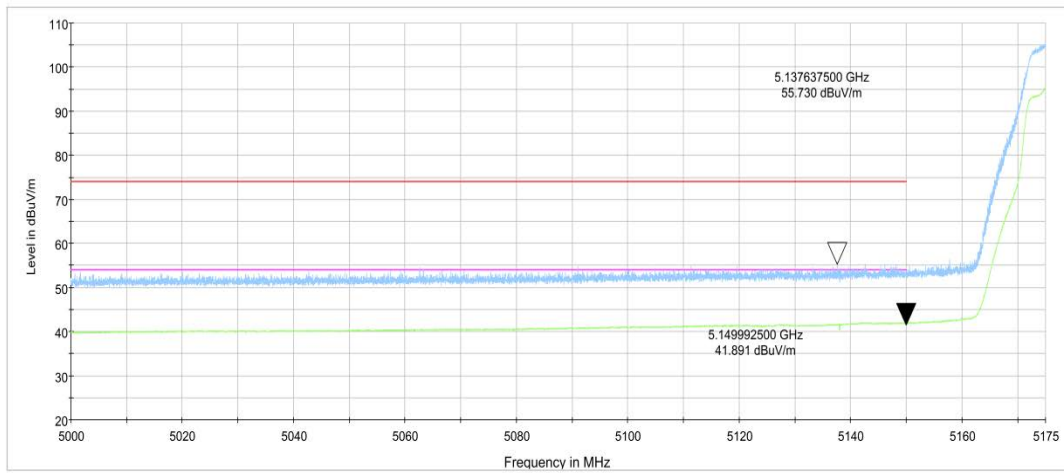


Fig.1 Band Edges (802.11a, 5180MHz)

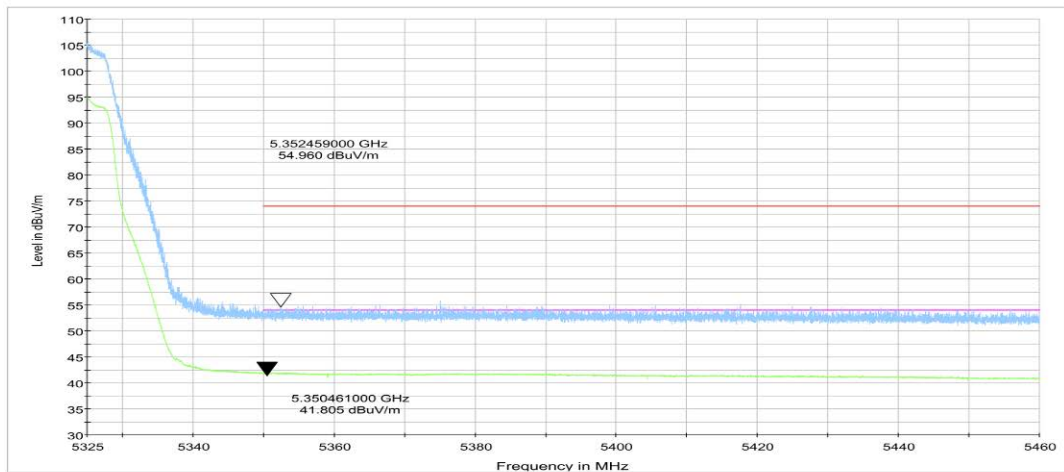


Fig.2 Band Edges (802.11a, 5320MHz)

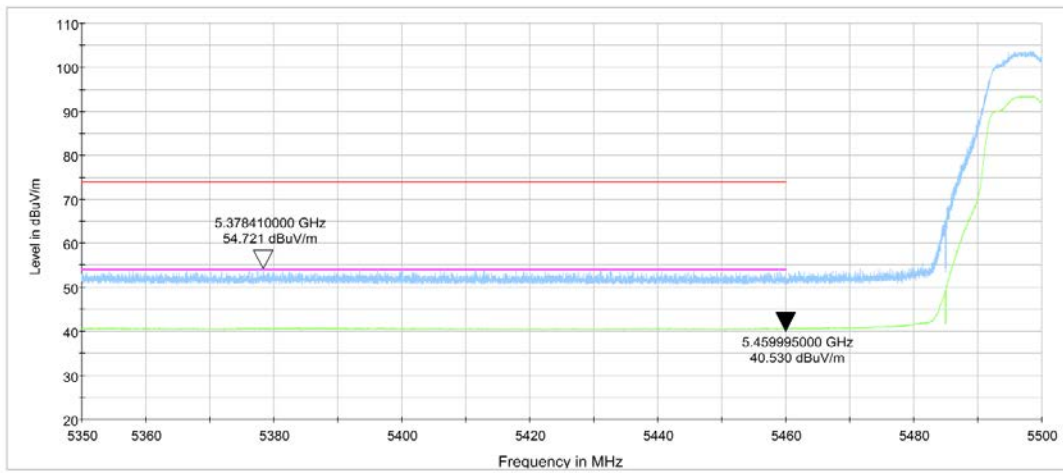


Fig.3 Band Edges (802.11a, 5500MHz)

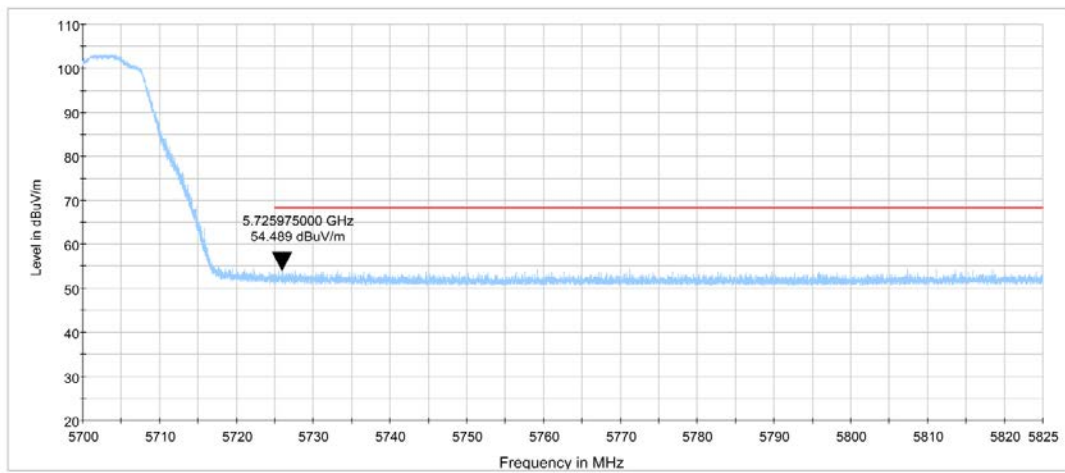


Fig.4 Band Edges (802.11a, 5700MHz)

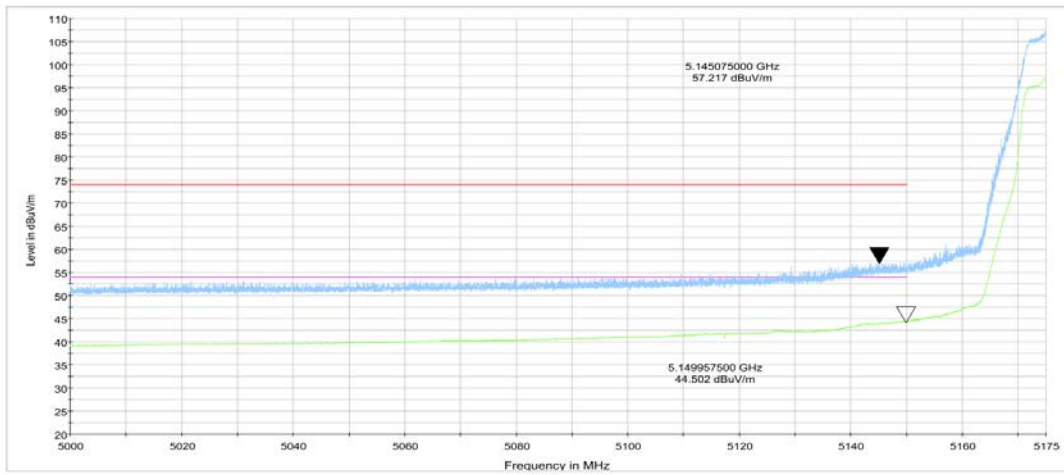


Fig.5 Band Edges (802.11n-HT20, 5180MHz)

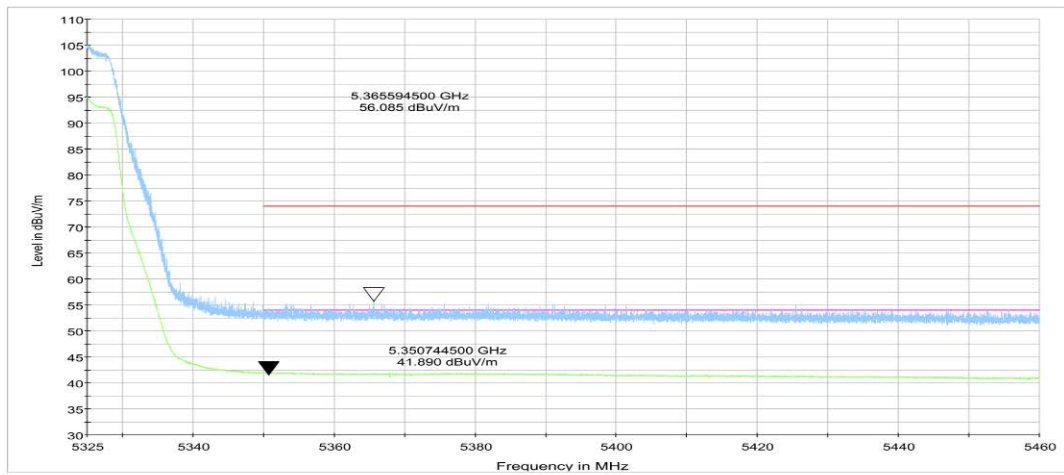


Fig.6 Band Edges (802.11n-HT20, 5320MHz)

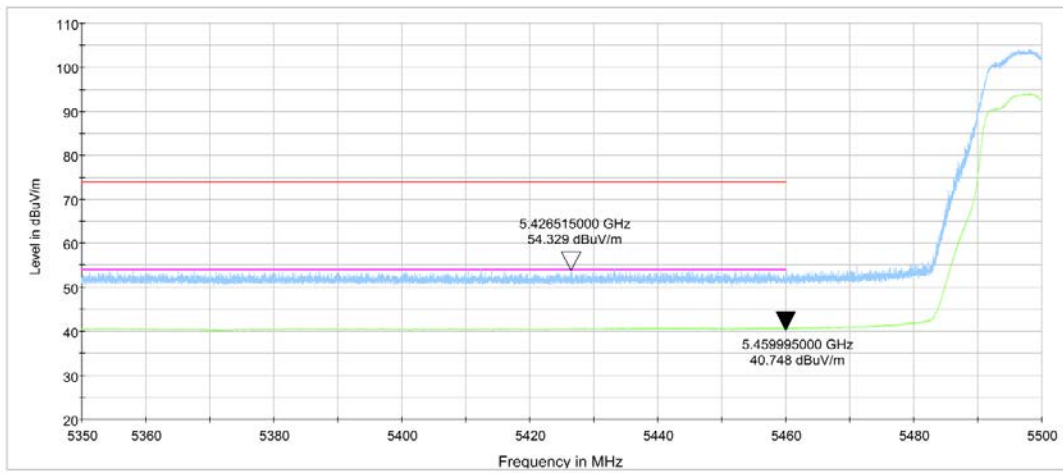


Fig.7 Band Edges (802.11n-HT20, 5500MHz)

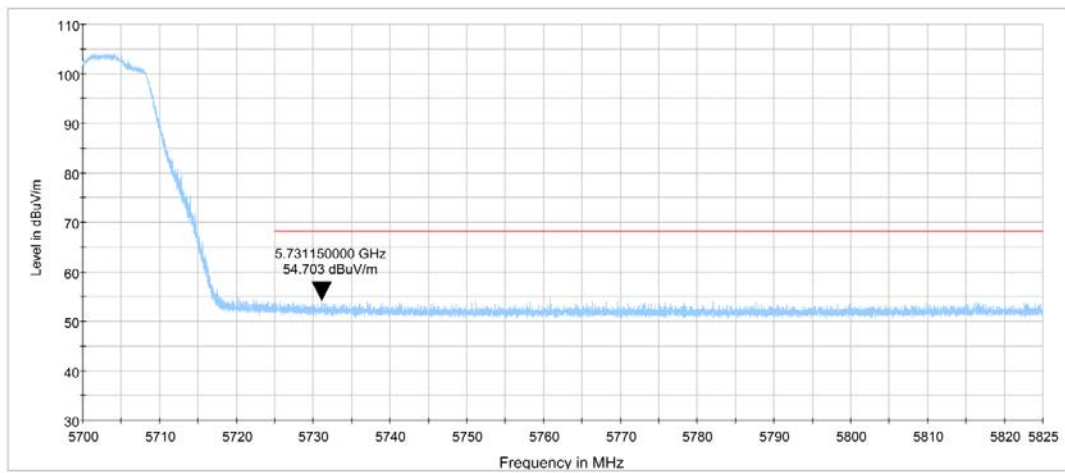


Fig.8 Band Edges (802.11n-HT20, 5700MHz)

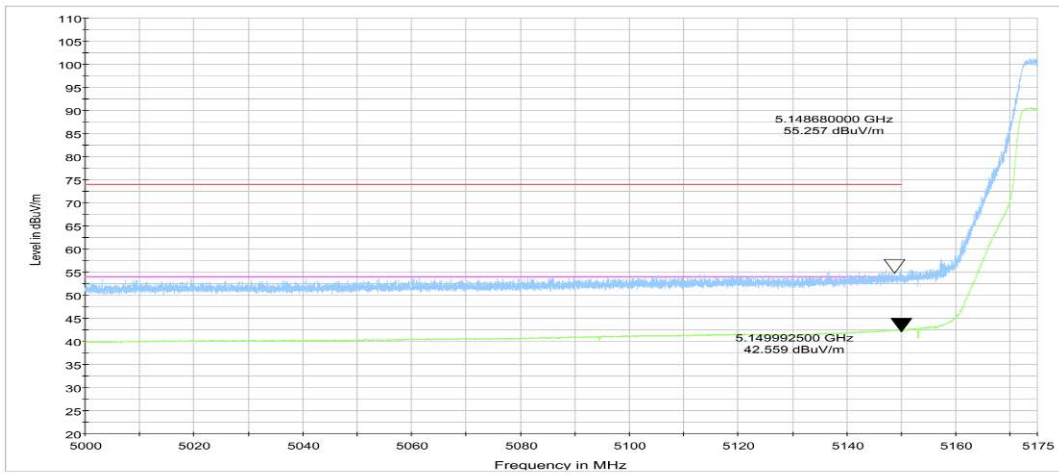


Fig.9 Band Edges (802.11n-HT40, 5190MHz)

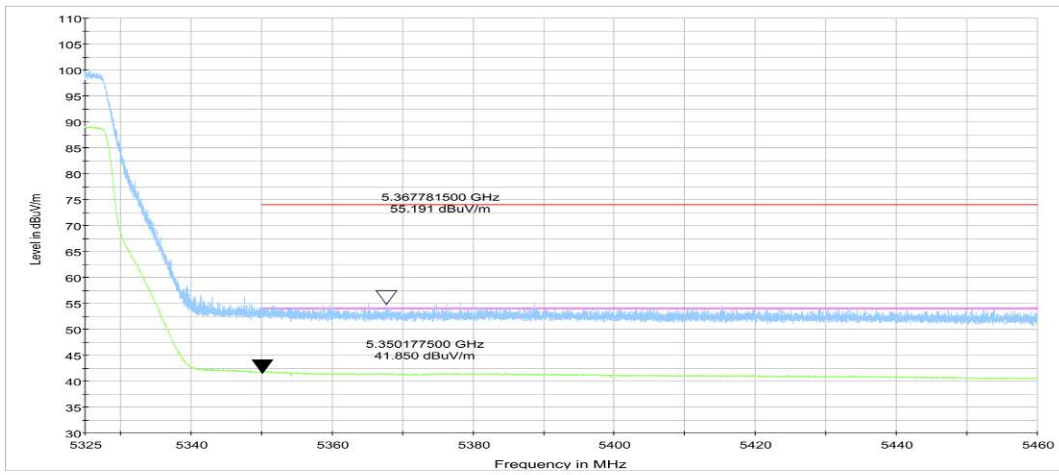


Fig.10 Band Edges (802.11n-HT40, 5310MHz)

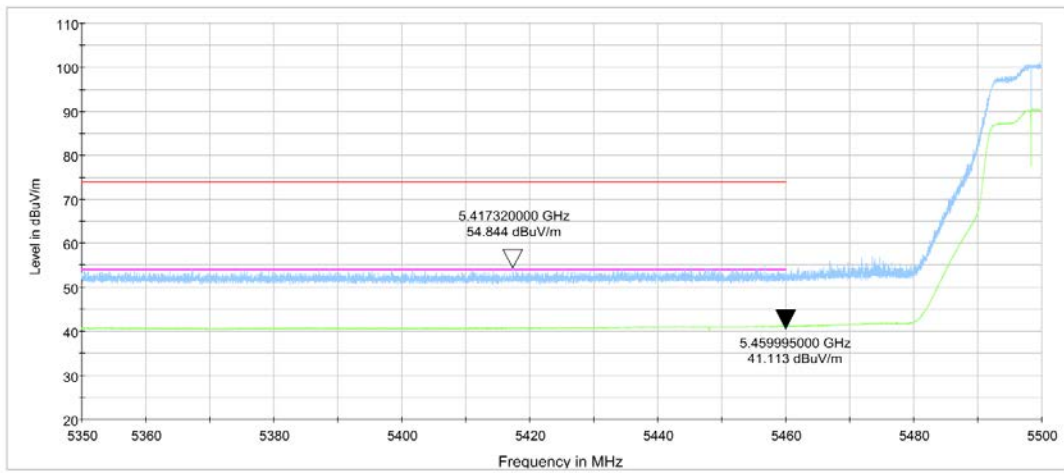


Fig.11 Band Edges (802.11n-HT40, 5510MHz)

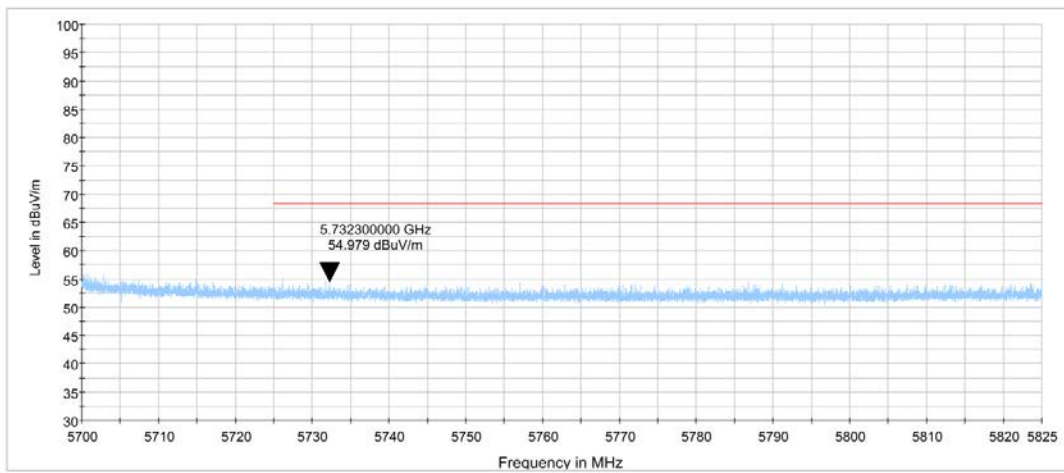


Fig.12 Band Edges (802.11n-HT40, 5670MHz)

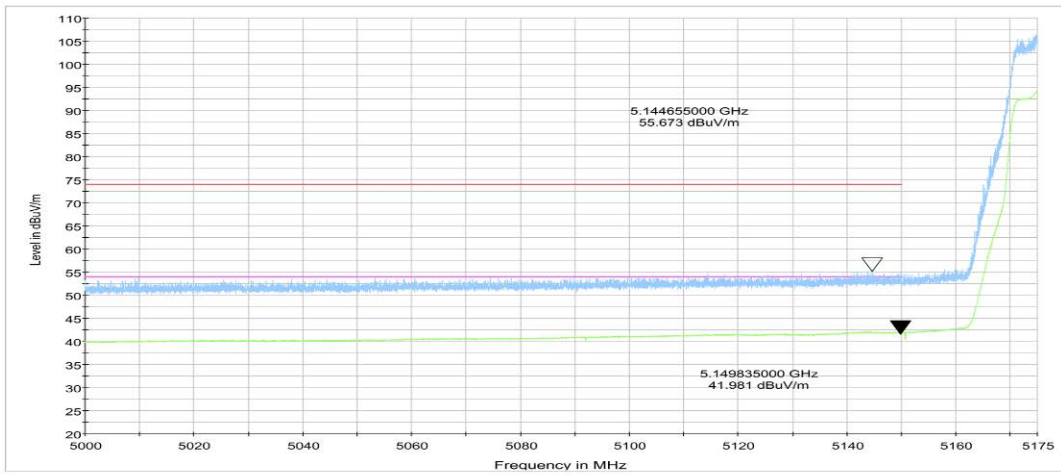


Fig.13 Band Edges (802.11ax-HT20, 5180MHz)

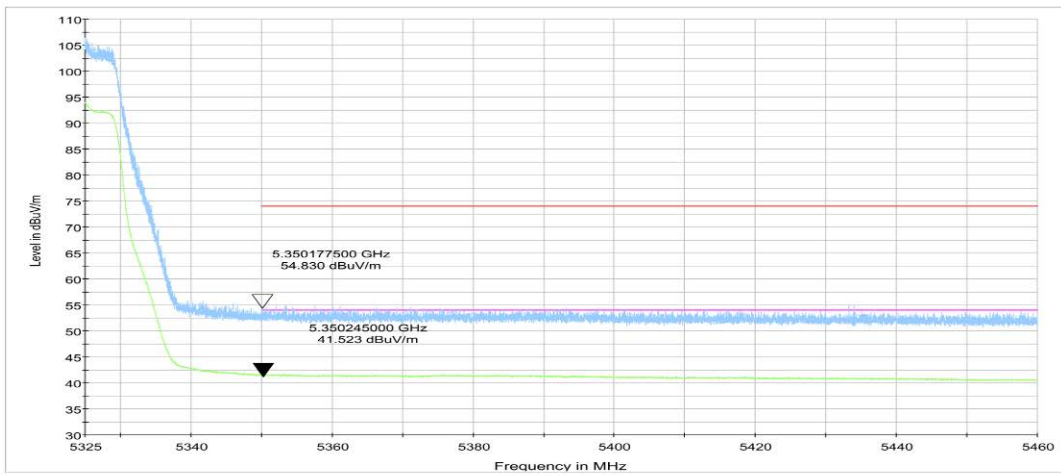


Fig.14 Band Edges (802.11ax-HT20, 5320MHz)

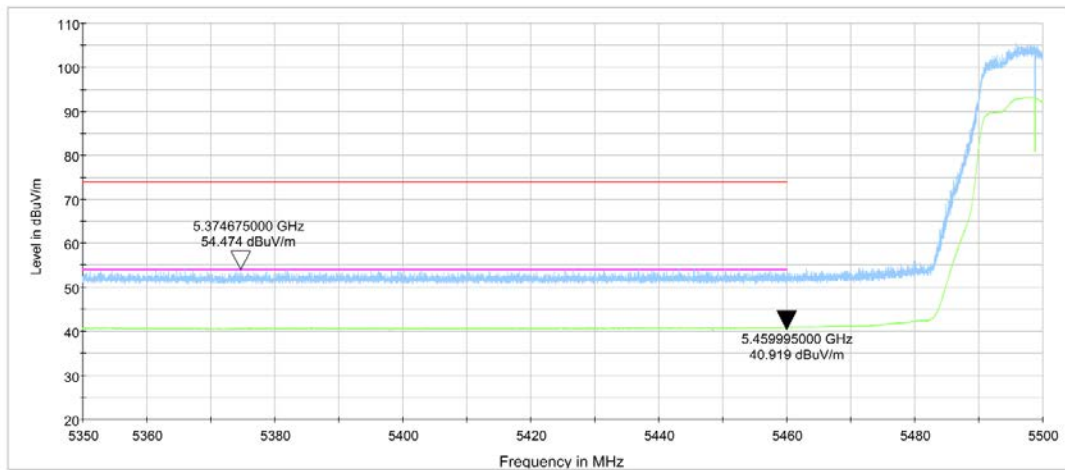


Fig.15 Band Edges (802.11ax-HT20, 5500MHz)

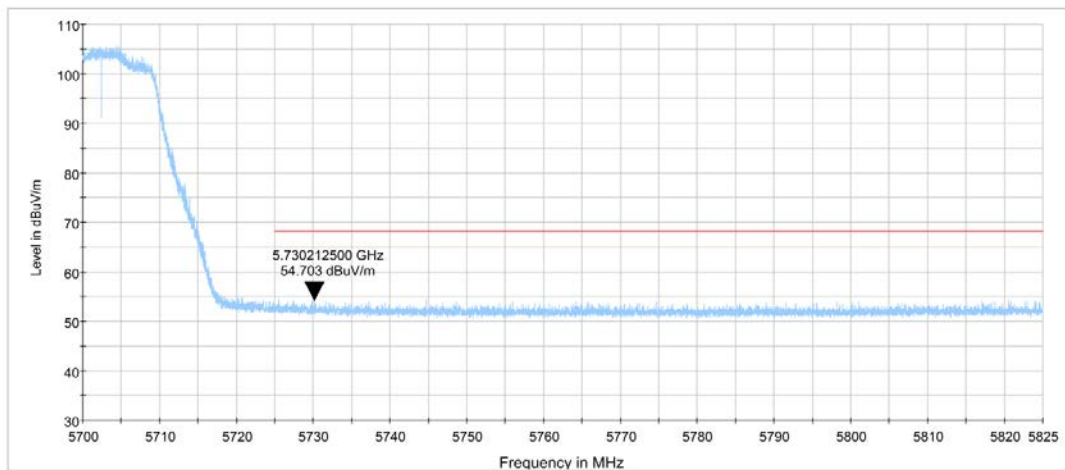


Fig.16 Band Edges (802.11ax-HT20, 5700MHz)

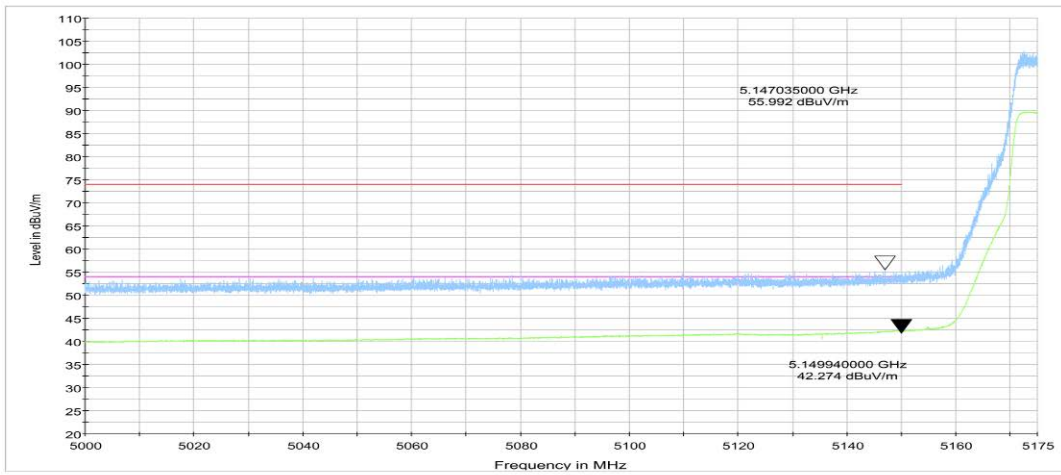


Fig.17 Band Edges (802.11ax-HT40, 5190MHz)

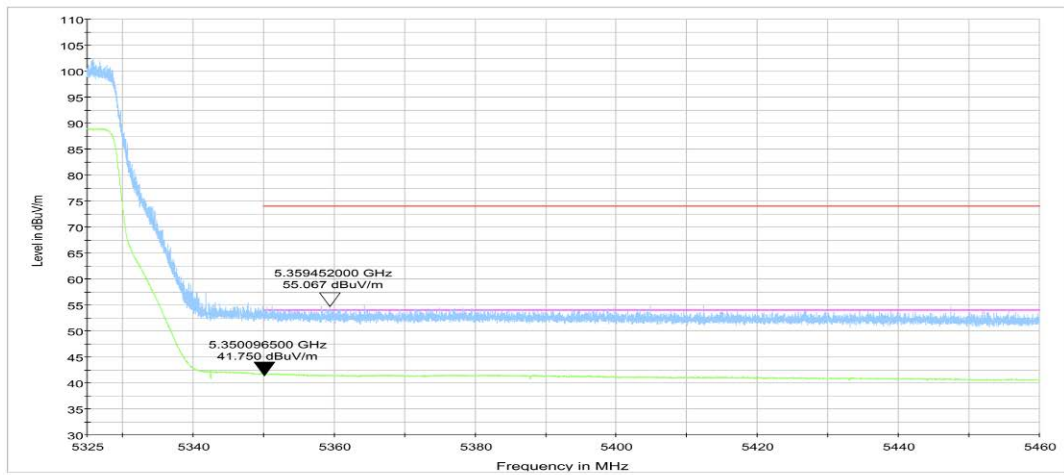


Fig.18 Band Edges (802.11ax-HT40, 5310MHz)

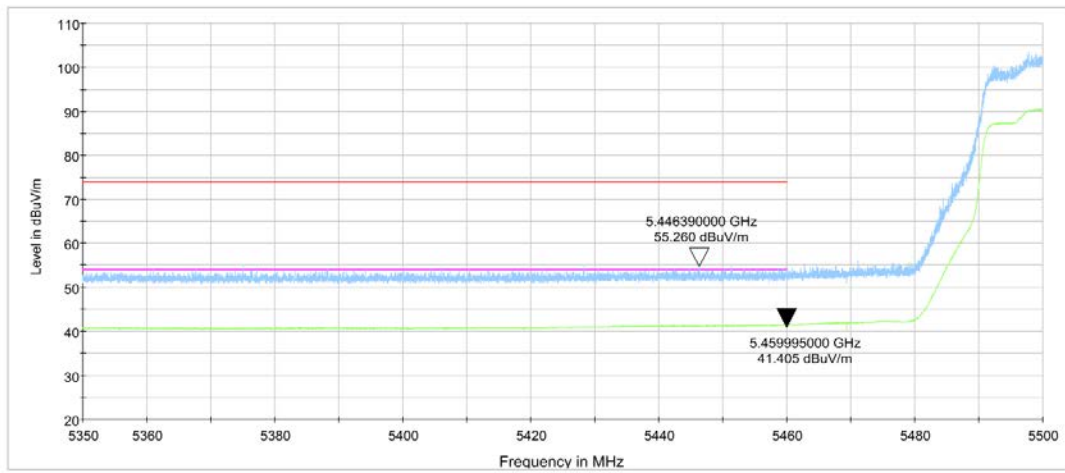


Fig.19 Band Edges (802.11ax-HT40, 5510MHz)

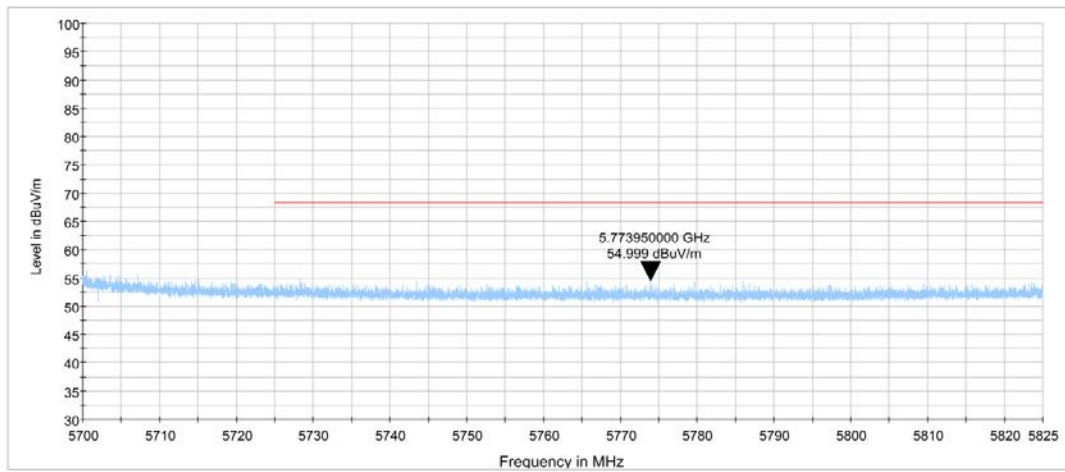


Fig.20 Band Edges (802.11ax-HT40, 5670MHz)

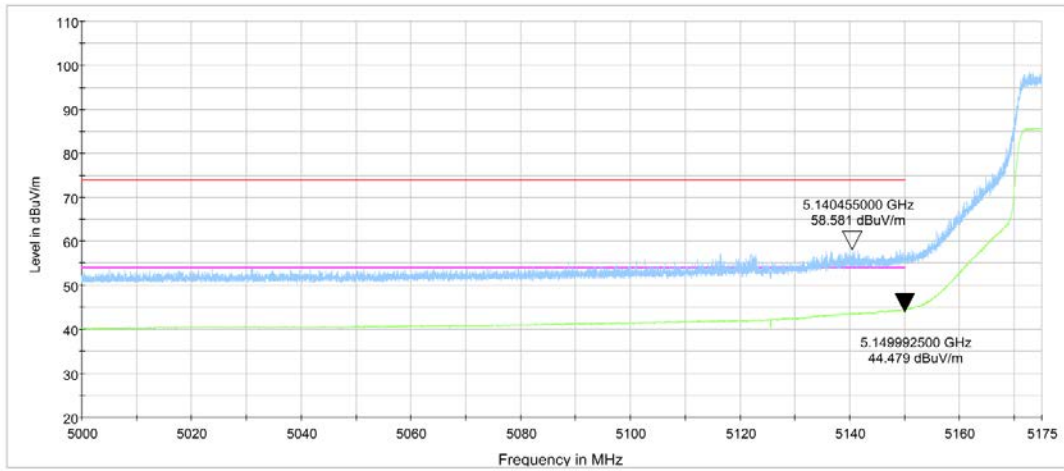


Fig.21 Band Edges (802.11ax-HT80, 5210MHz)

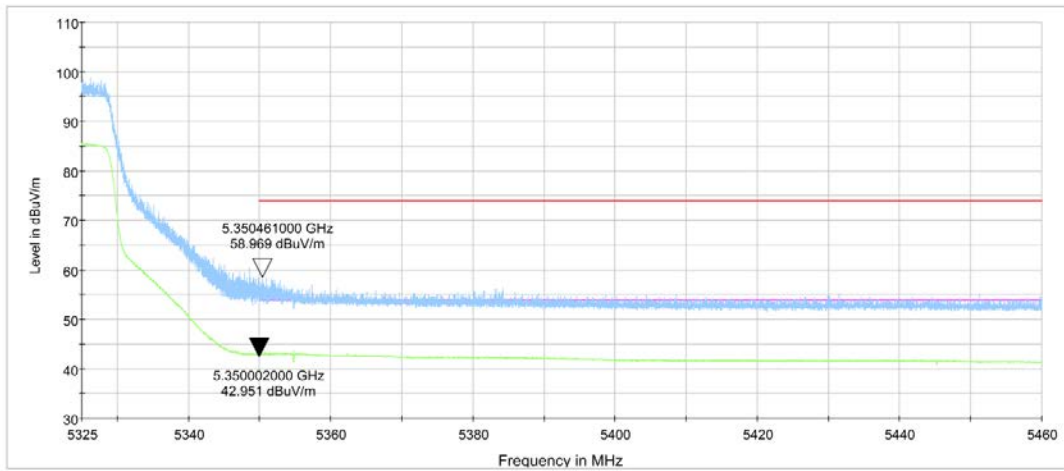


Fig.22 Band Edges (802.11ax-HT80, 5290MHz)

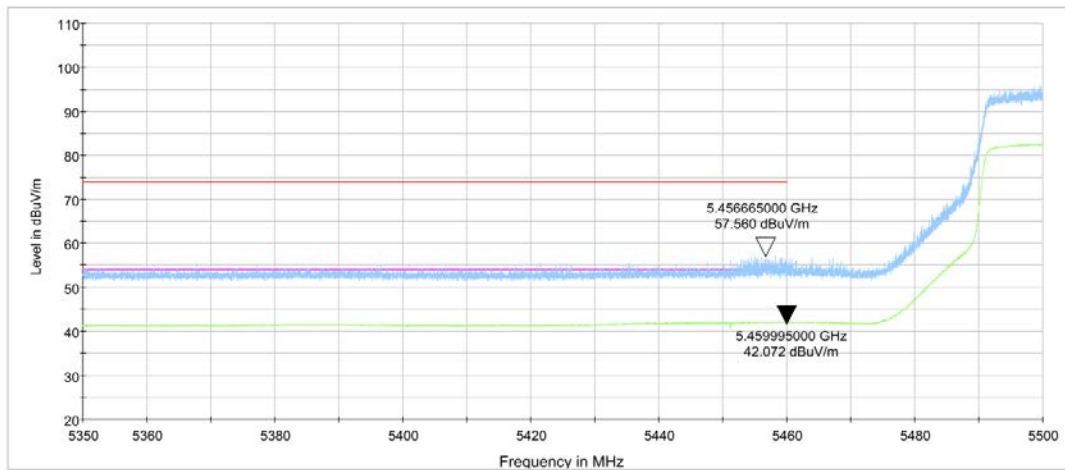


Fig.23 Band Edges (802.11ax-HT80, 5530MHz)

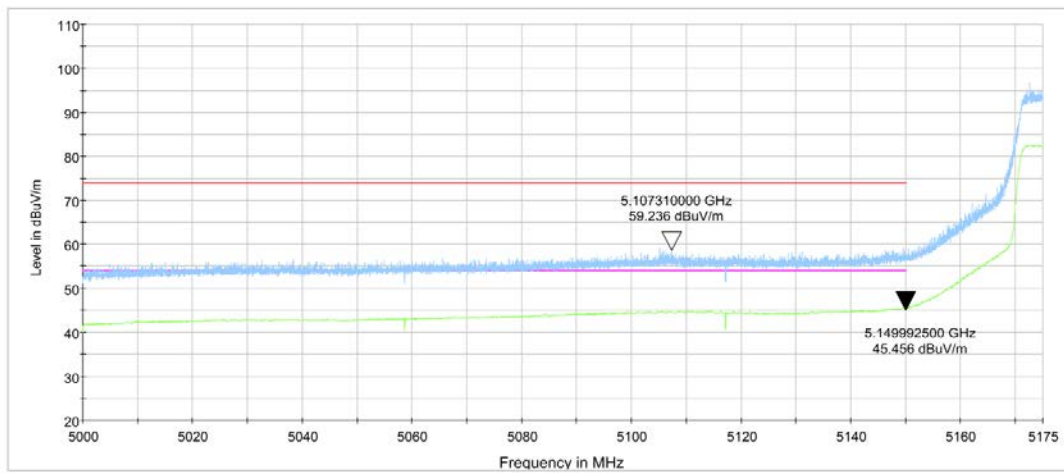


Fig.24 Band Edges (802.11ax-HT160, 5250MHz)

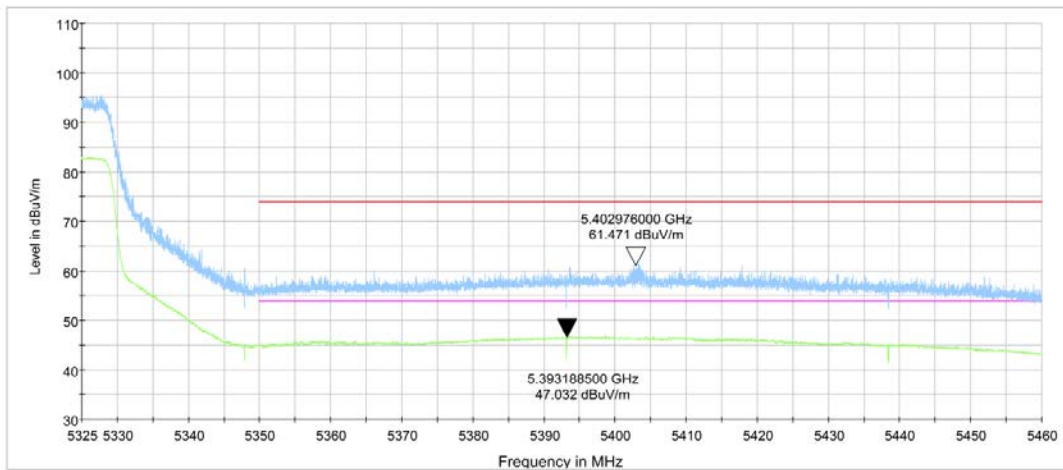


Fig.25 Band Edges (802.11ax-HT160, 5250MHz)

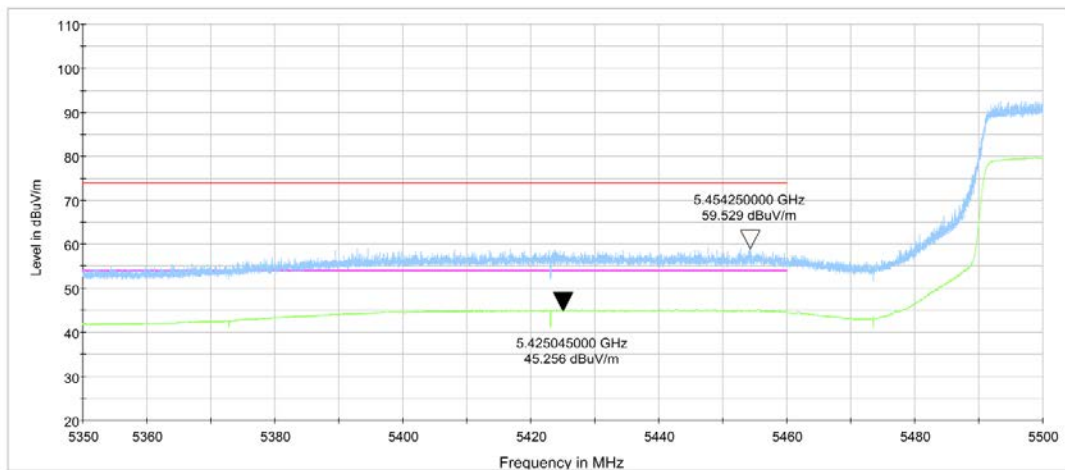


Fig.26 Band Edges (802.11ax-HT160, 5570MHz)

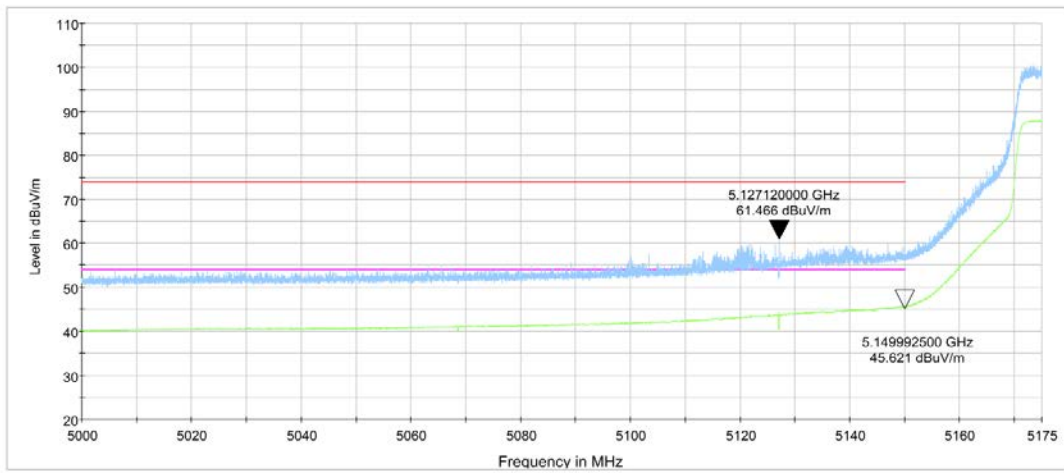


Fig.27 Band Edges (802.11ac-HT80, 5210MHz)

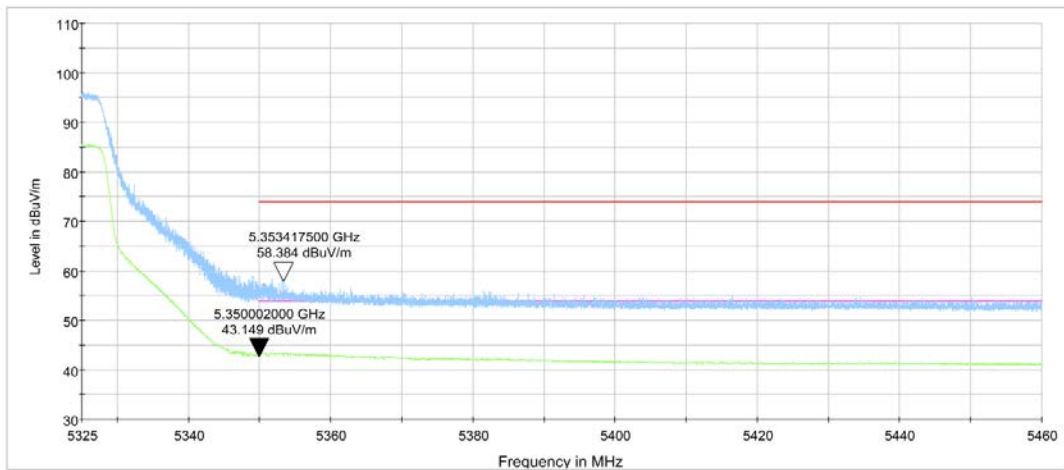


Fig.28 Band Edges (802.11ac-HT80, 5290MHz)

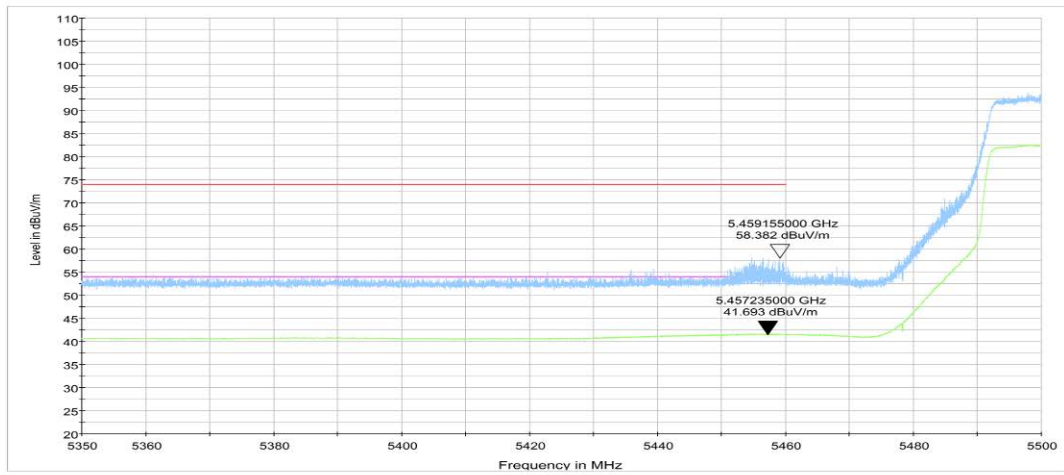


Fig.29 Band Edges (802.11ac-HT80, 5530MHz)

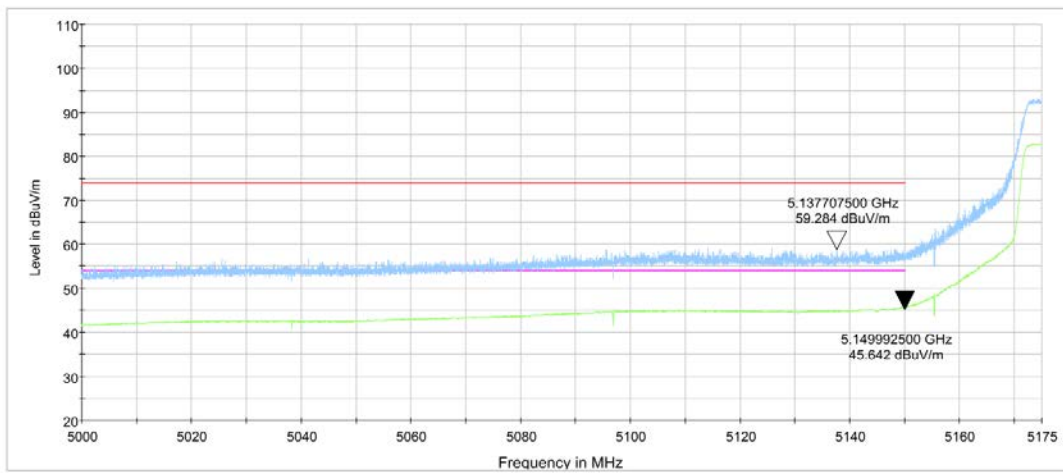


Fig.30 Band Edges (802.11ac-HT160, 5250MHz)

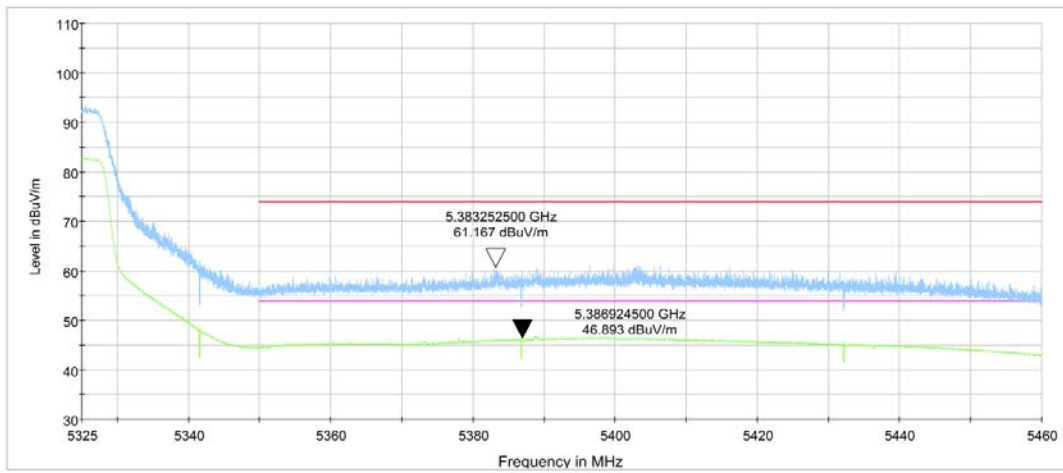


Fig.31 Band Edges (802.11ac-HT160, 5250MHz)

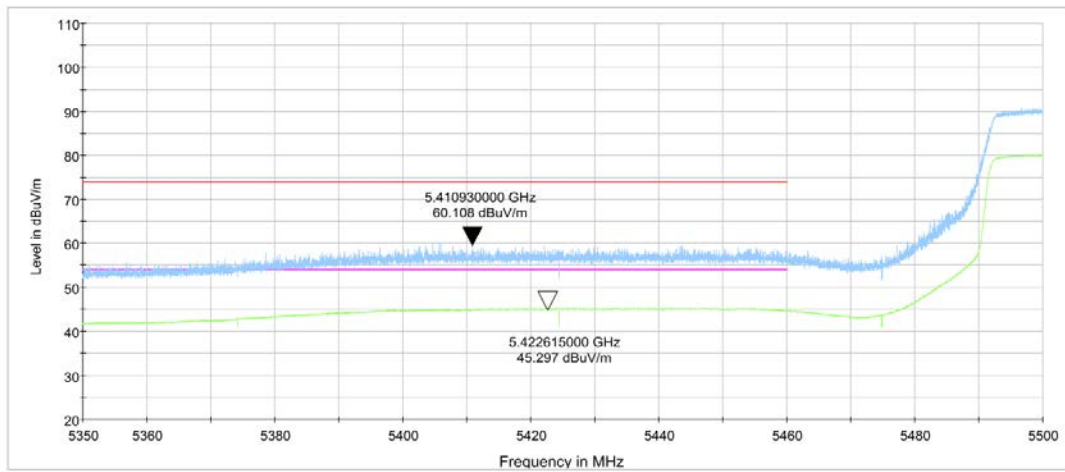


Fig.32 Band Edges (802.11ac-HT160, 5570MHz)

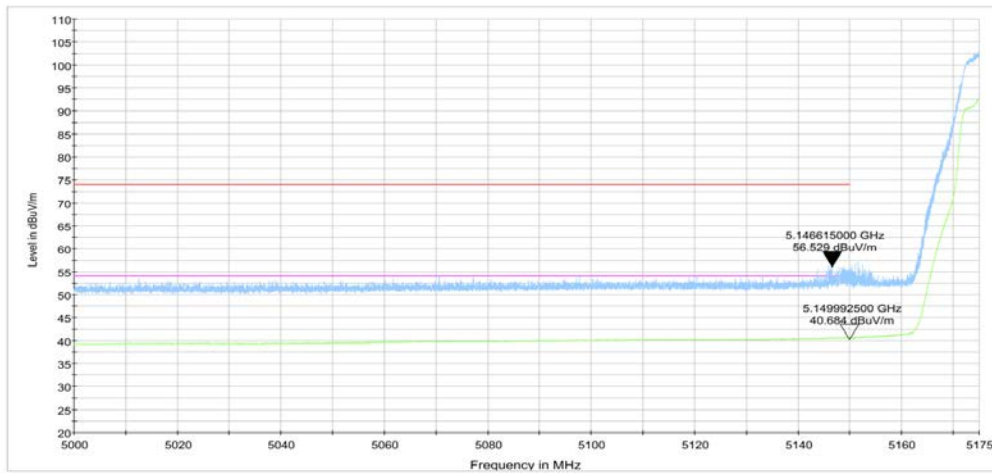


Fig.33 Band Edges (802.11a, 5180MHz)

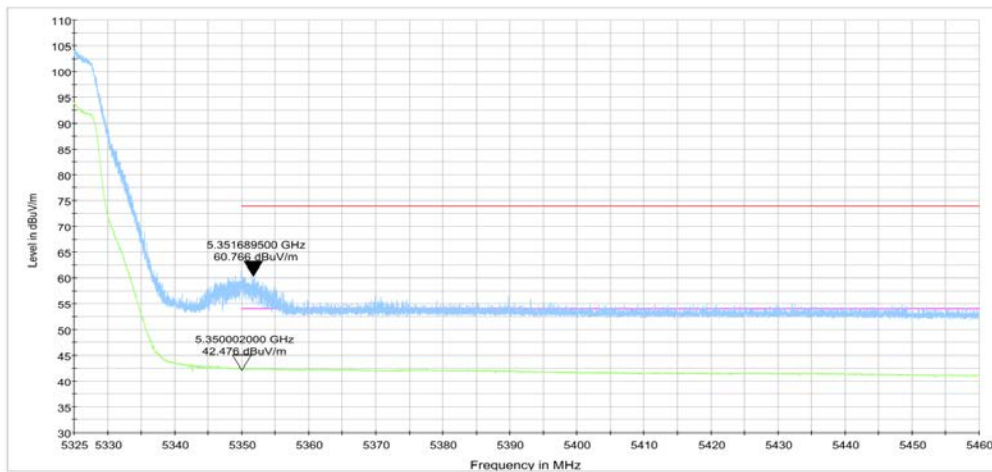


Fig.34 Band Edges (802.11a, 5320MHz)

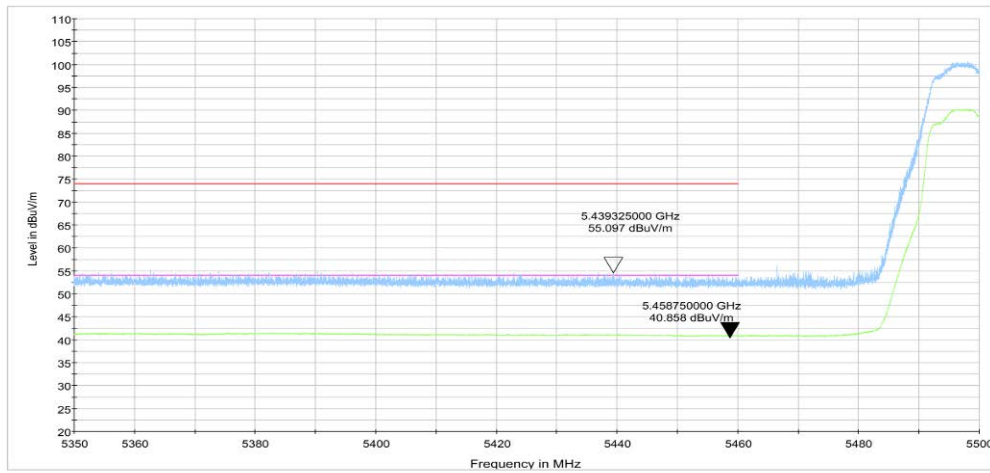


Fig.35 Band Edges (802.11a, 5500MHz)

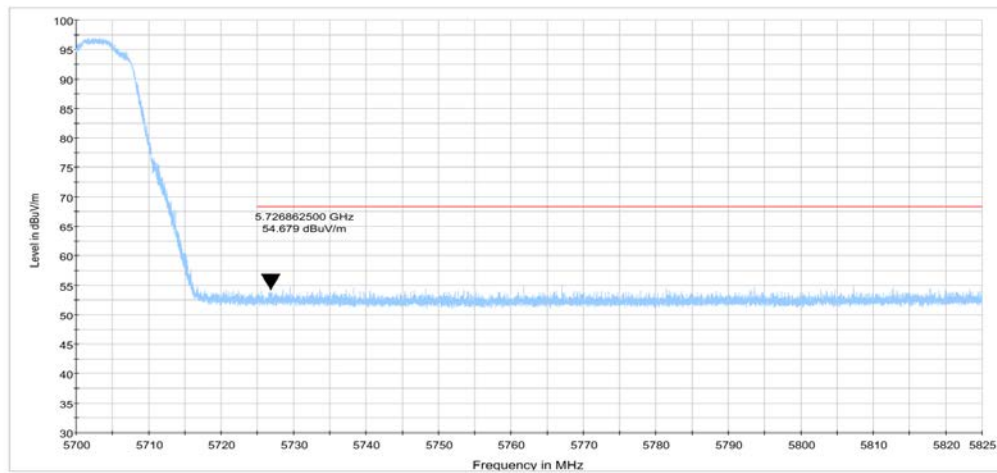


Fig.36 Band Edges (802.11a, 5700MHz)

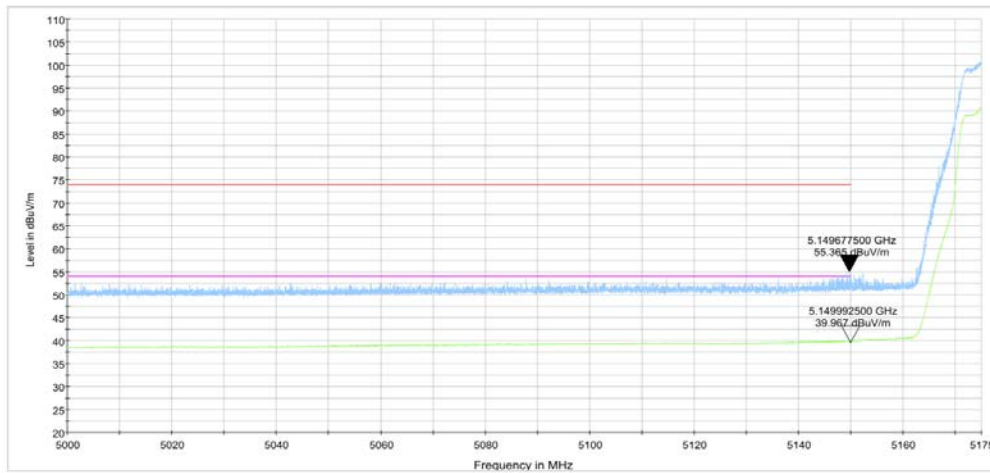


Fig.37 Band Edges (802.11n-HT20, 5180MHz)

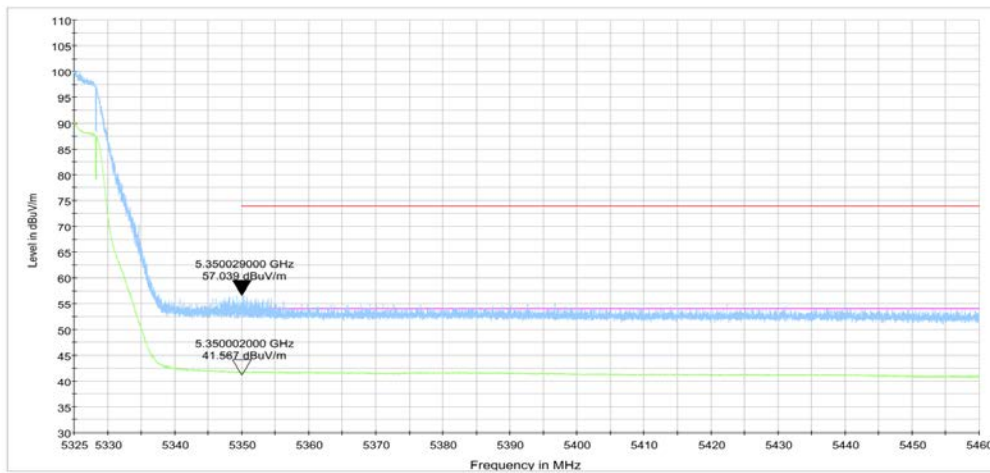


Fig.38 Band Edges (802.11n-HT20, 5320MHz)

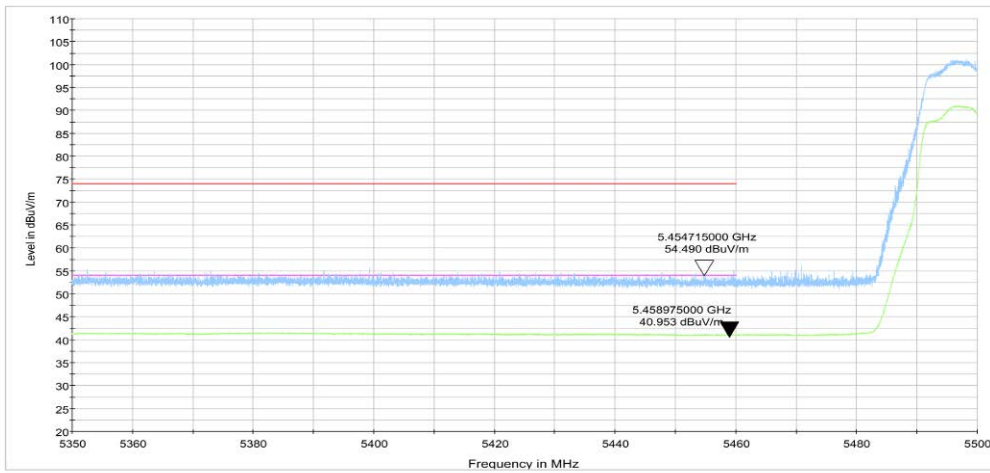


Fig.39 Band Edges (802.11n-HT20, 5500MHz)

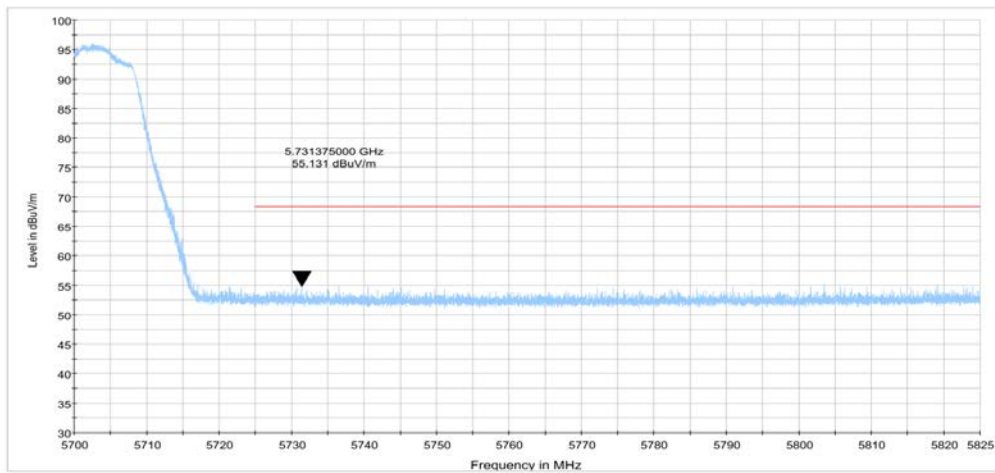


Fig.40 Band Edges (802.11n-HT20, 5700MHz)

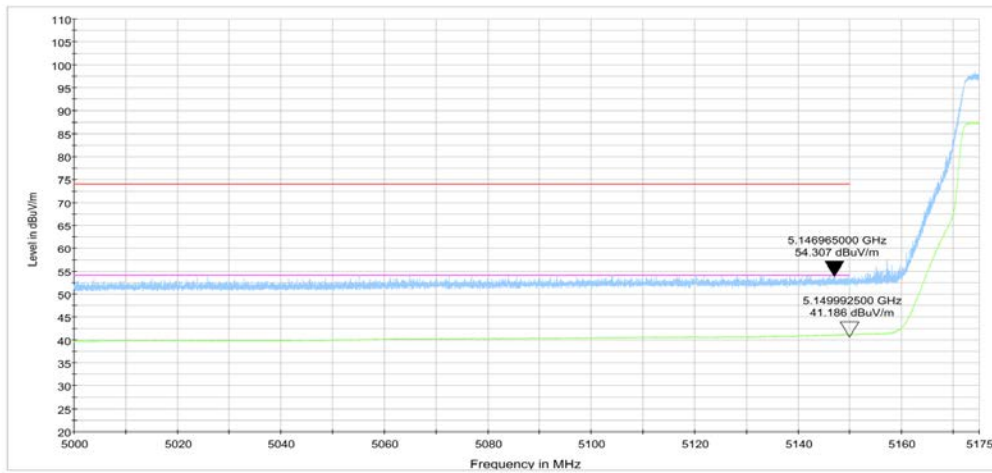


Fig.41 Band Edges (802.11n-HT40, 5190MHz)

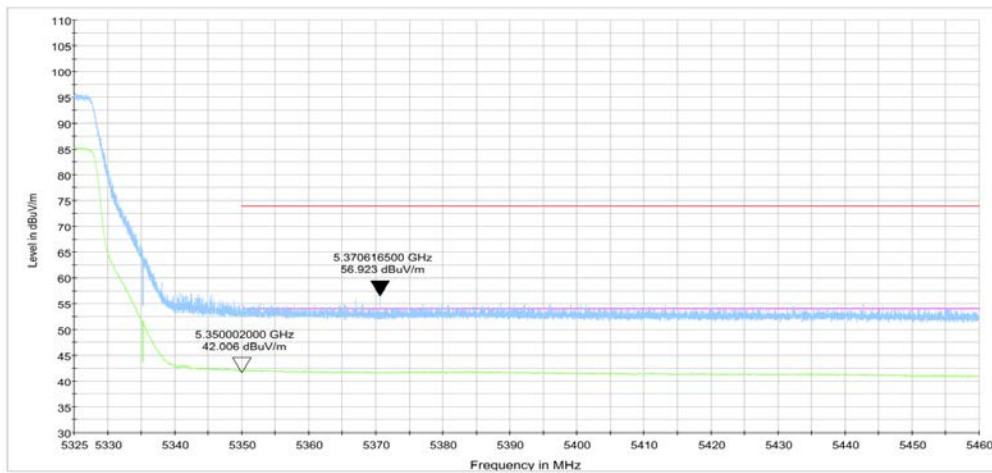


Fig.42 Band Edges (802.11n-HT40, 5310MHz)

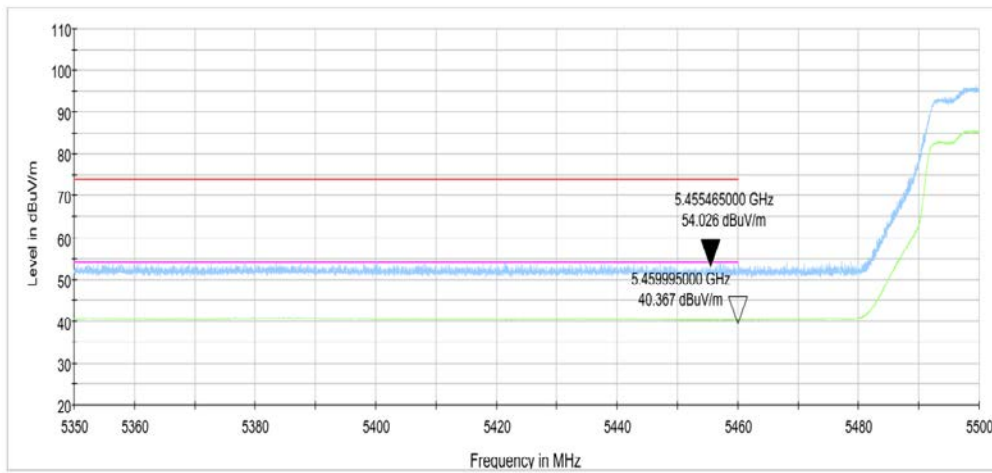


Fig.43 Band Edges (802.11n-HT40, 5510MHz)

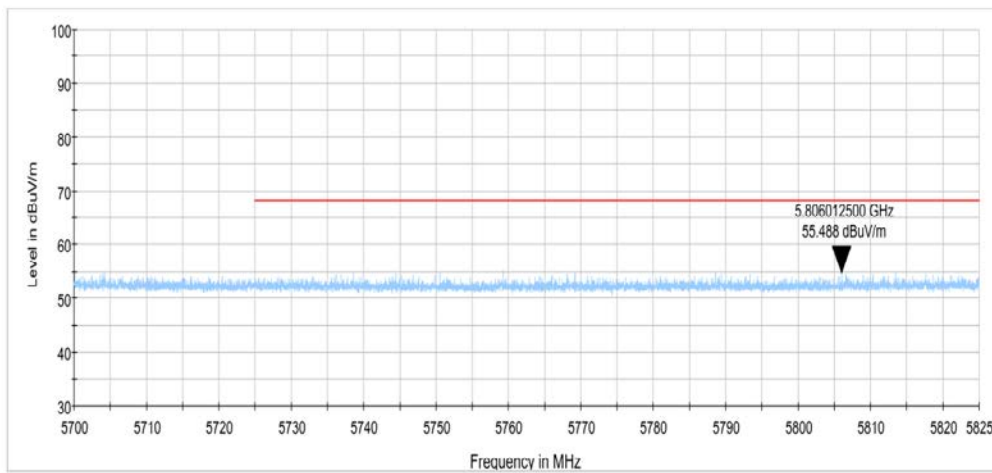


Fig.44 Band Edges (802.11n-HT40, 5670MHz)

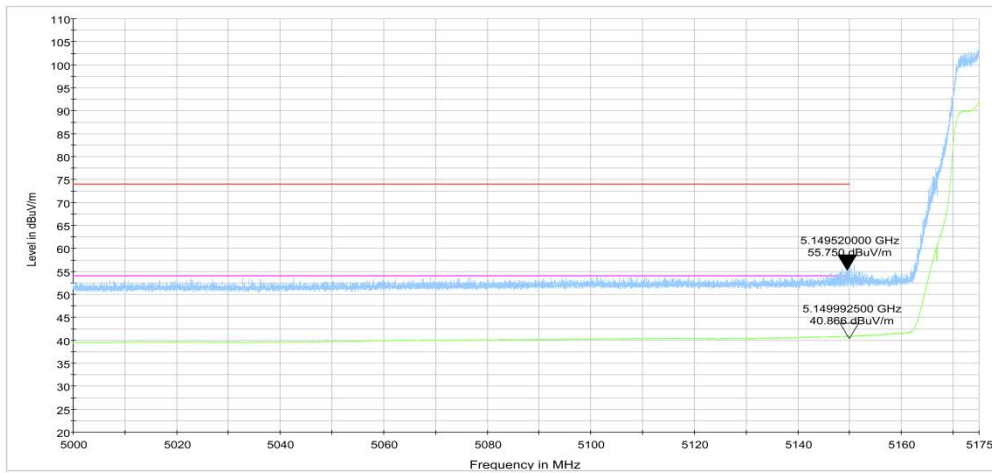


Fig.45 Band Edges (802.11ax-HT20, 5180MHz)

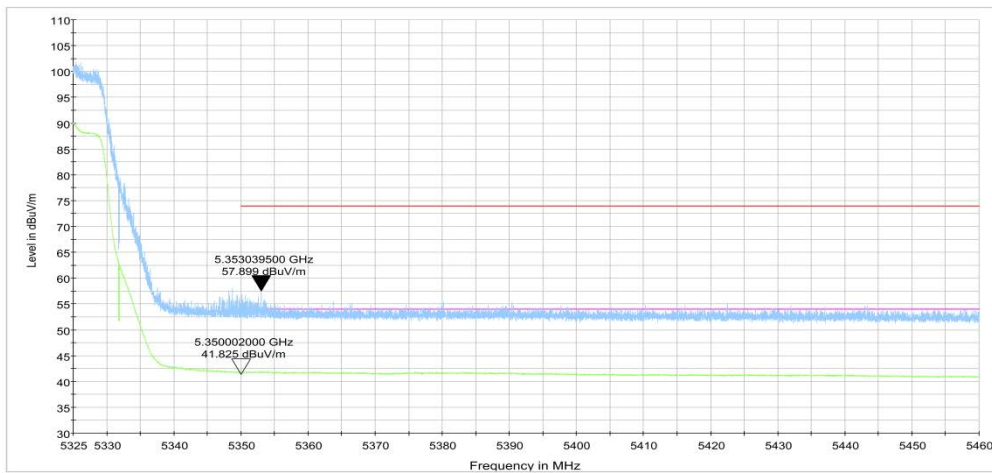


Fig.46 Band Edges (802.11ax-HT20, 5320MHz)

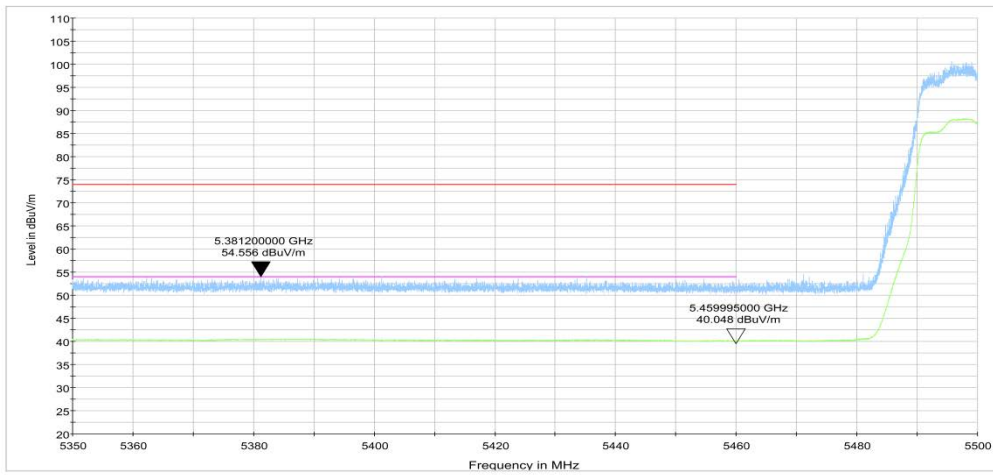


Fig.47 Band Edges (802.11ax-HT20, 5500MHz)

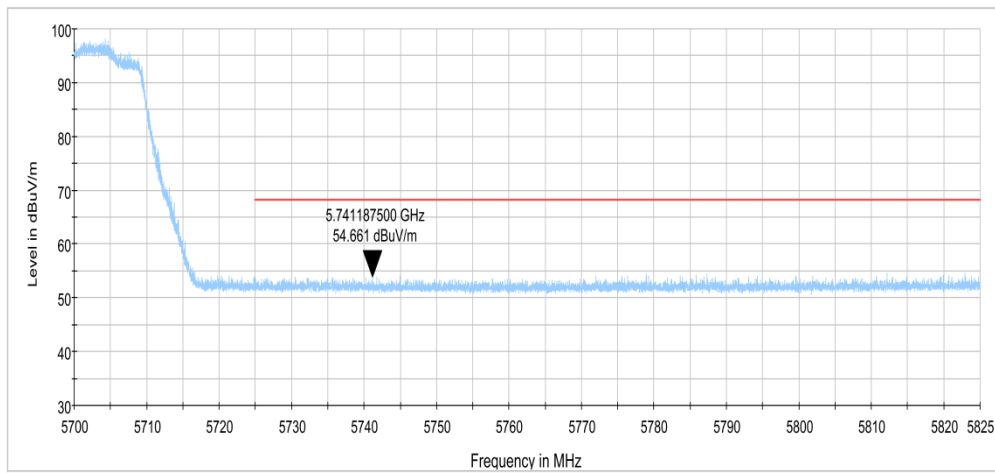


Fig.48 Band Edges (802.11ax-HT20, 5700MHz)

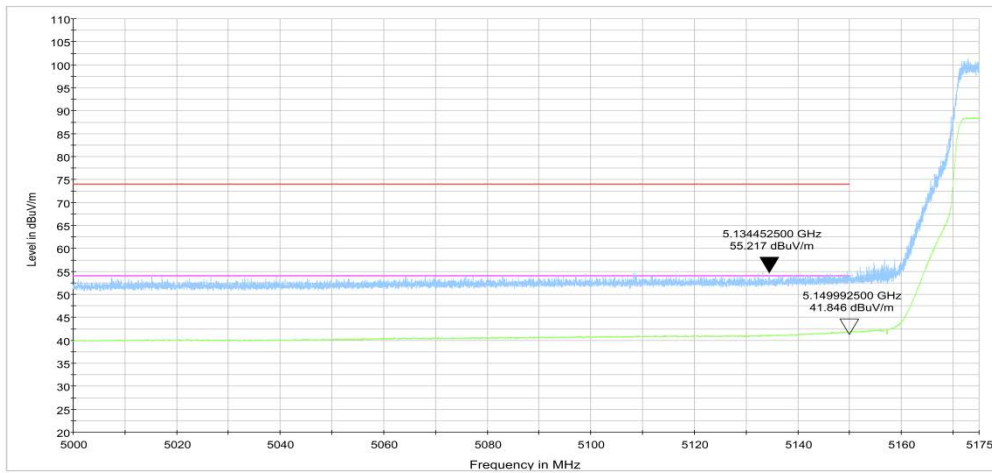


Fig.49 Band Edges (802.11ax-HT40, 5190MHz)

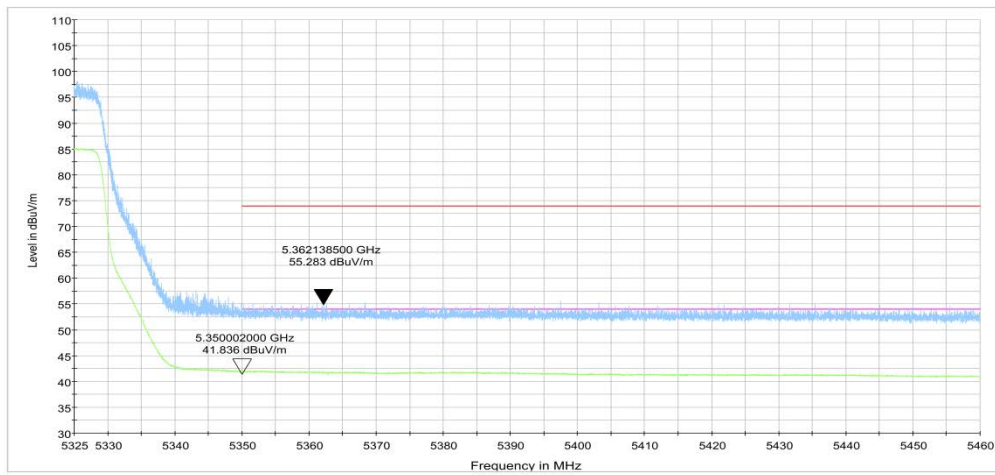


Fig.50 Band Edges (802.11ax-HT40, 5310MHz)

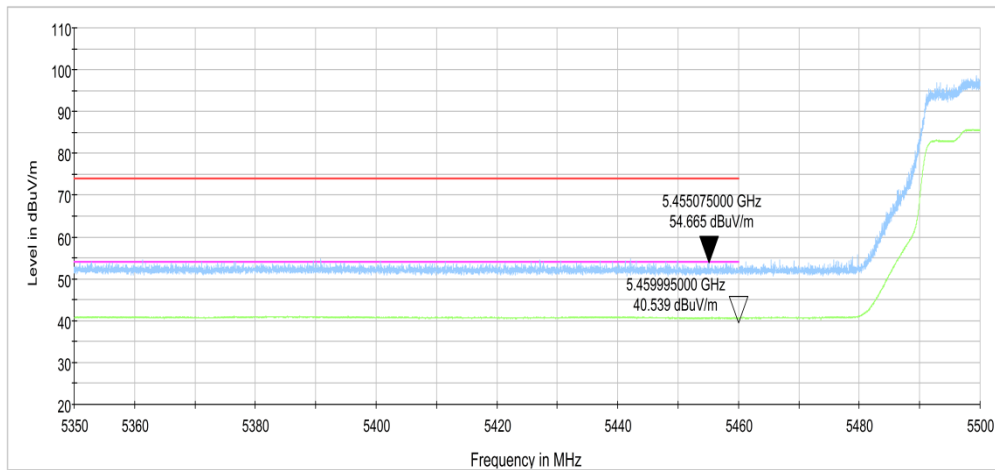


Fig.51 Band Edges (802.11ax-HT40, 5510MHz)

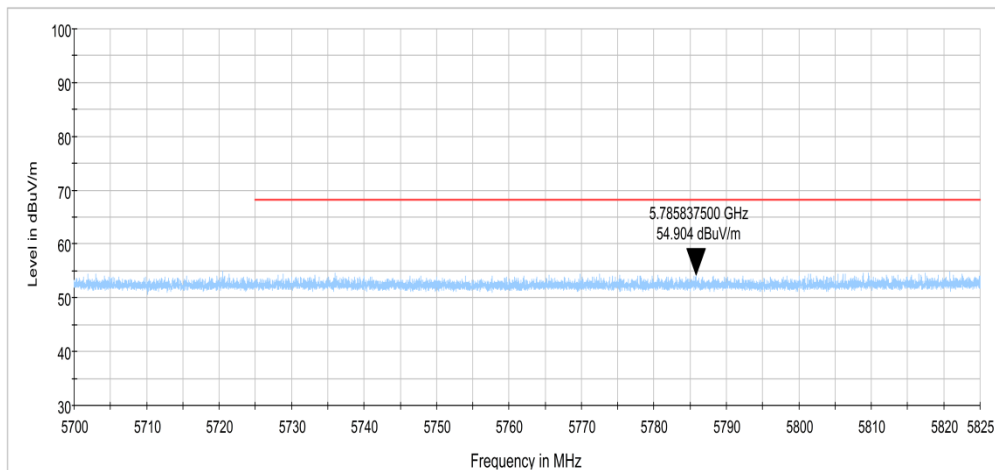


Fig.52 Band Edges (802.11ax-HT40, 5670MHz)

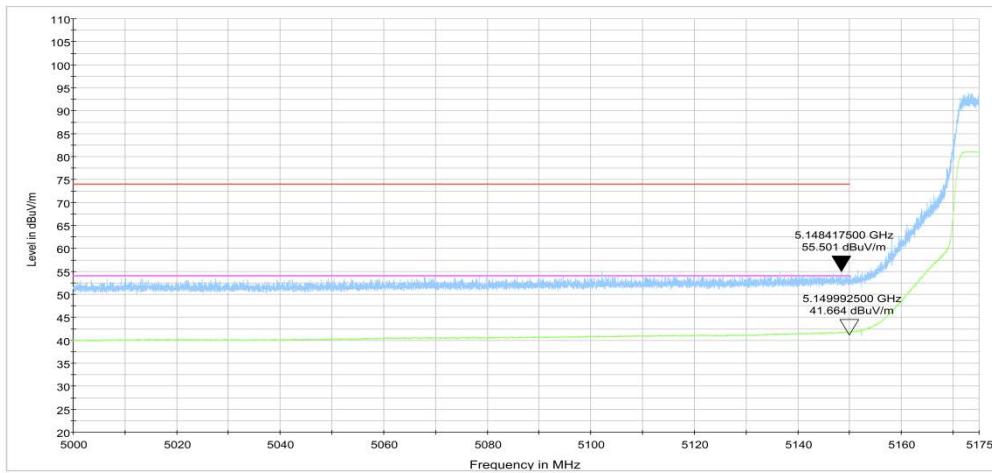


Fig.53 Band Edges (802.11ax-HT80, 5210MHz)

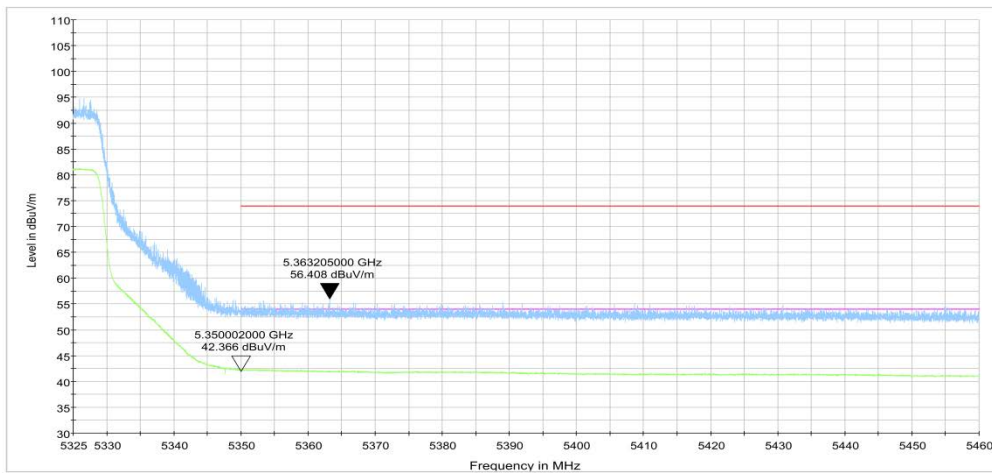


Fig.54 Band Edges (802.11ax-HT80, 5290MHz)

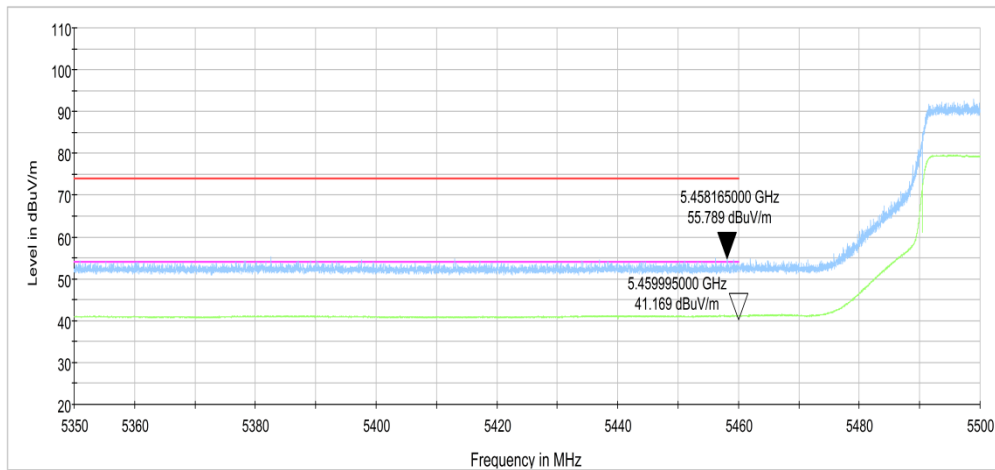


Fig.55 Band Edges (802.11ax-HT80, 5530MHz)

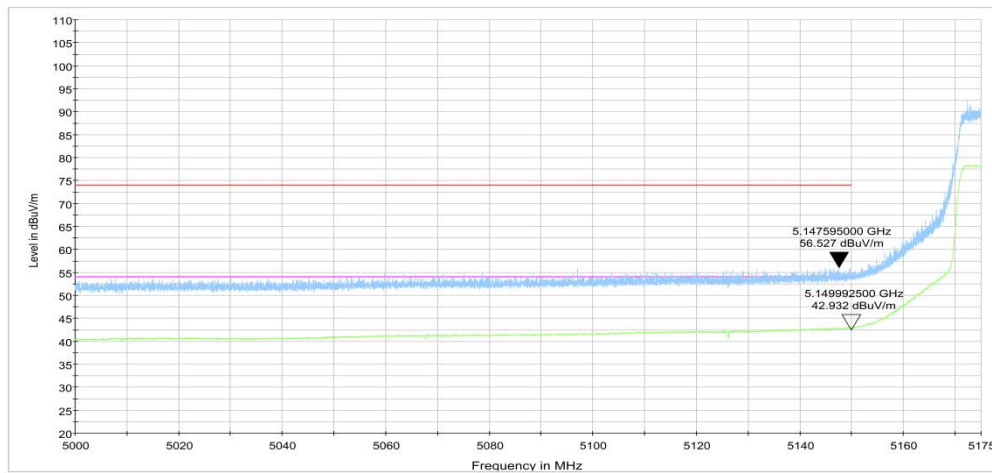


Fig.56 Band Edges (802.11ax-HT160, 5250MHz)

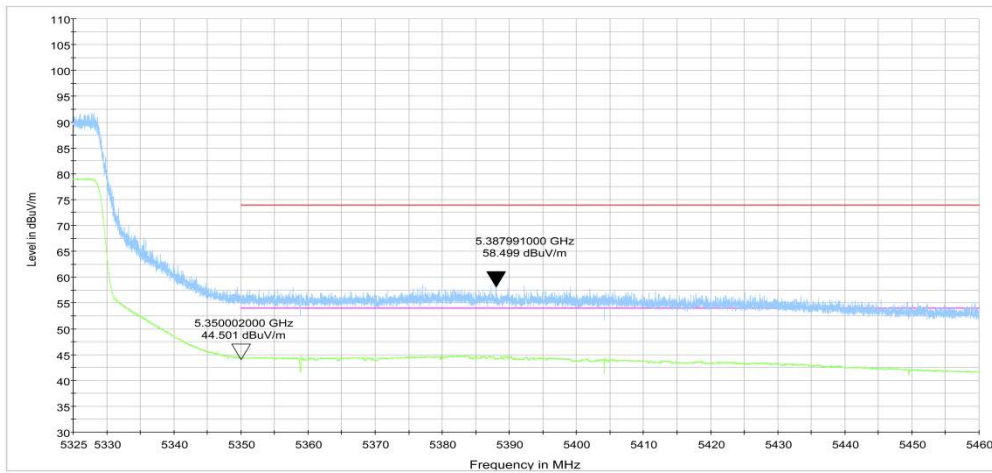


Fig.57 Band Edges (802.11ax-HT160, 5250MHz)

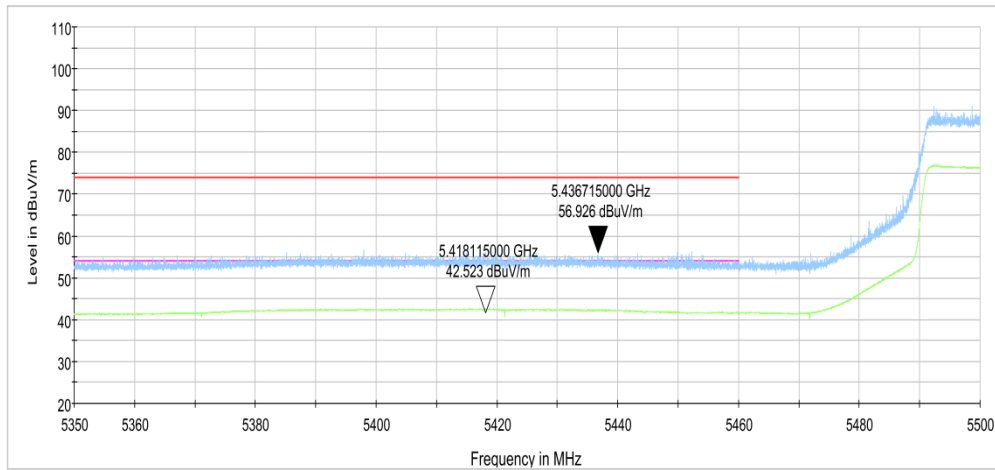


Fig.58 Band Edges (802.11ax-HT160, 5570MHz)

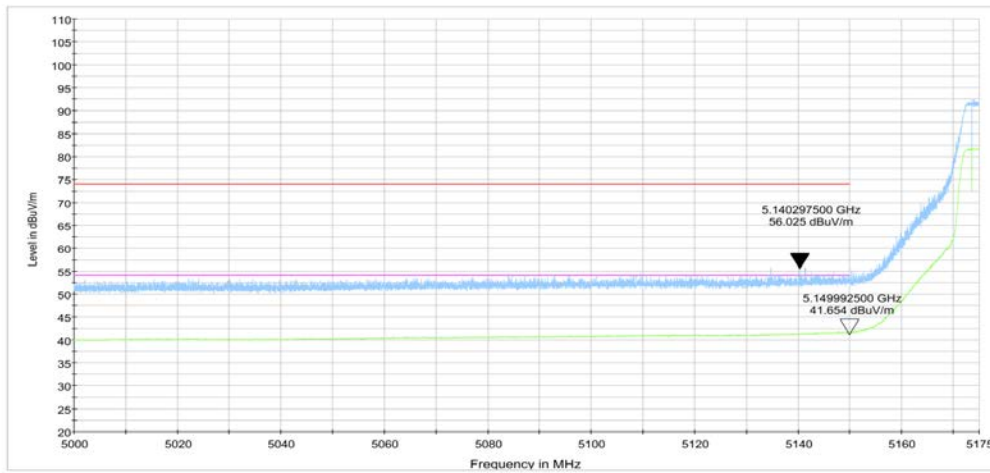


Fig.59 Band Edges (802.11ac-HT80, 5210MHz)

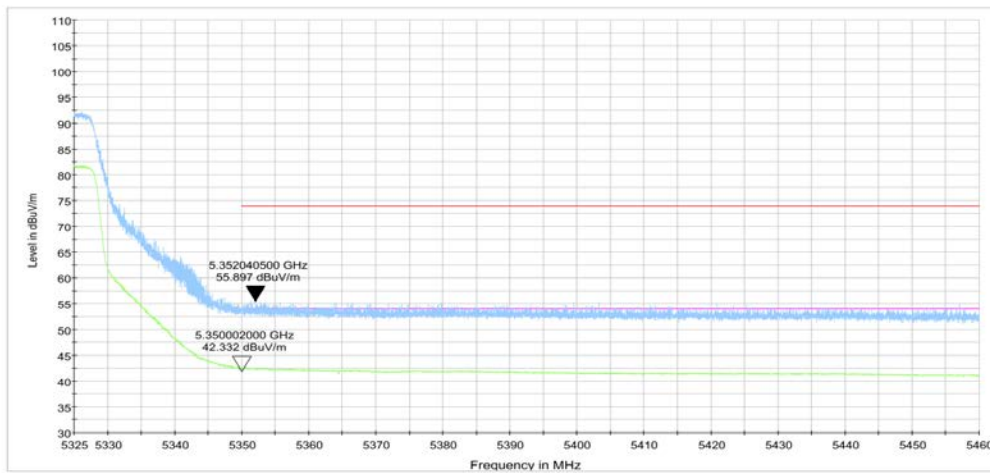


Fig.60 Band Edges (802.11ac-HT80, 5290MHz)

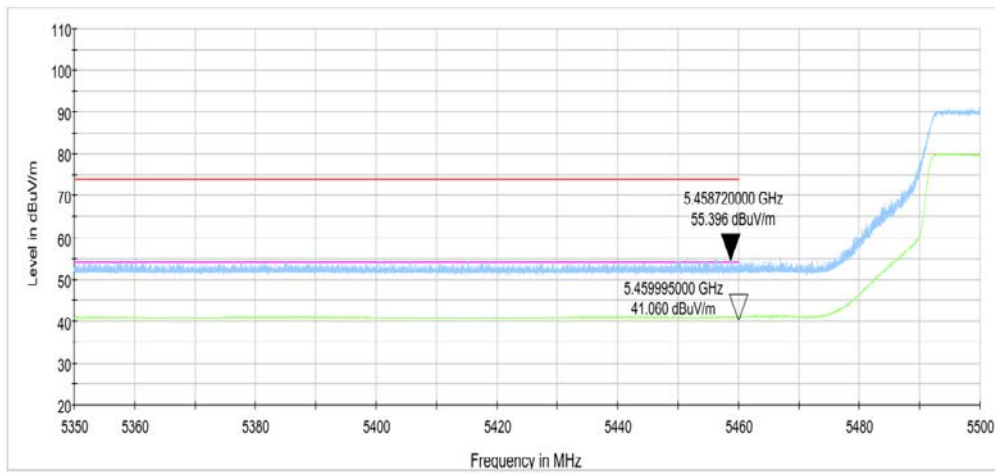


Fig.61 Band Edges (802.11ac-HT80, 5530MHz)

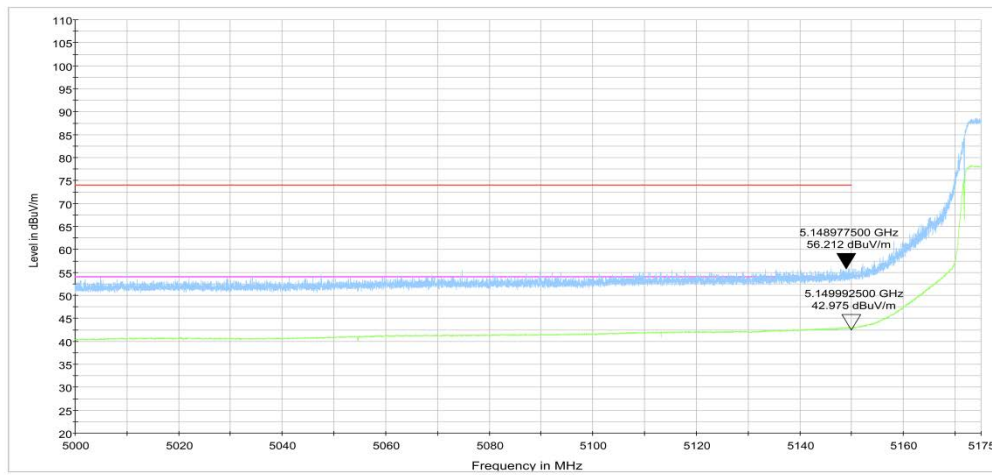


Fig.62 Band Edges (802.11ac-HT160, 5250MHz)

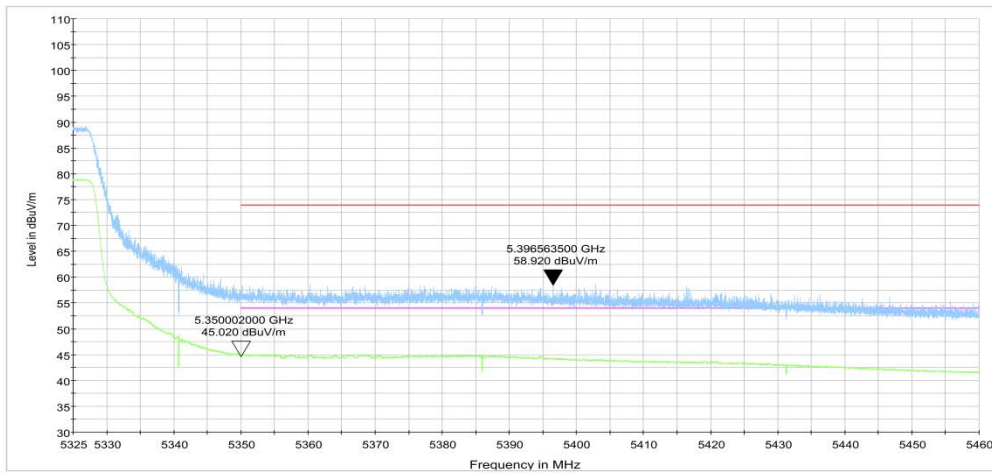


Fig.63 Band Edges (802.11ac-HT160, 5250MHz)

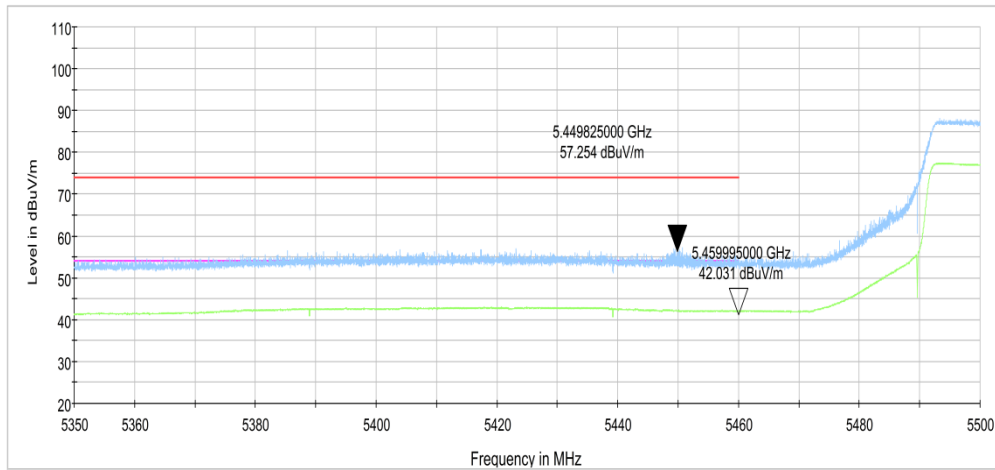


Fig.64 Band Edges (802.11ac-HT160, 5570MHz)

C.2. AC Power-line Conducted Emission

Reference

FCC 47 CFR Part 15, Clause 15.407 Clause 15.207

ISED RSS-GEN, Clause 8.8

Method of Measurement:

See ANSI C63.10-2013 specifically.

See ANSI C63.10-2013 generally.

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

The conducted emission measurements were made with the following detector of the test receiver:
Quasi-Peak / Average Detector.

The measurement bandwidth is:

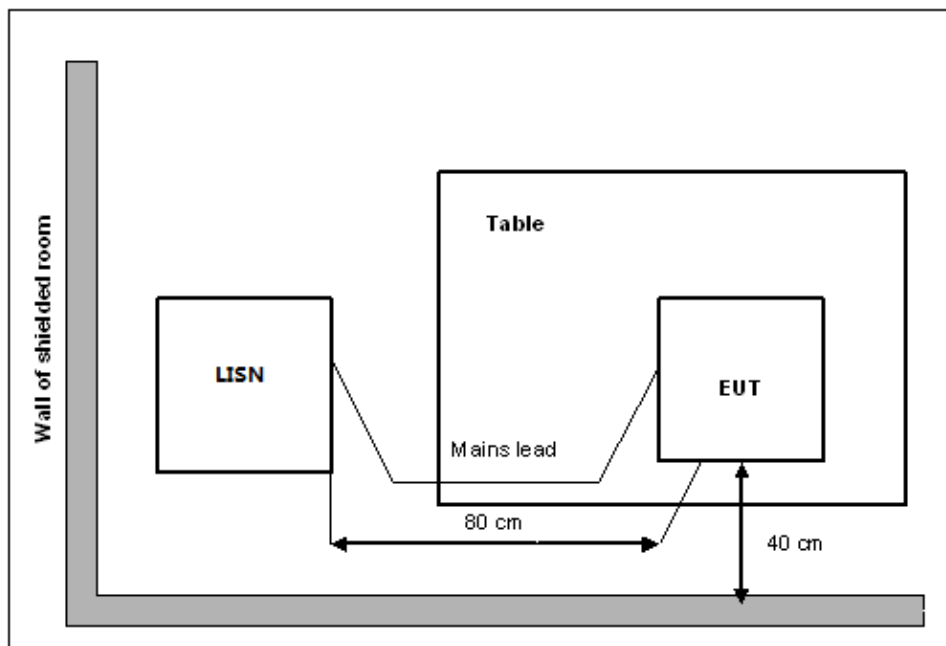
Measurement Bandwidth

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

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state.

The EUT is powered by an travel adapter.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.C.2.1	Fig.C.2.2	P
0.5 to 5	56			
5 to 30	60			

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

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.C.2.1	Fig.C.2.2	P
0.5 to 5	46			
5 to 30	50			

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

Note: all modes have been tested and the worst results shown here.

Conclusion: Pass

Test graphs as below:

Traffic:

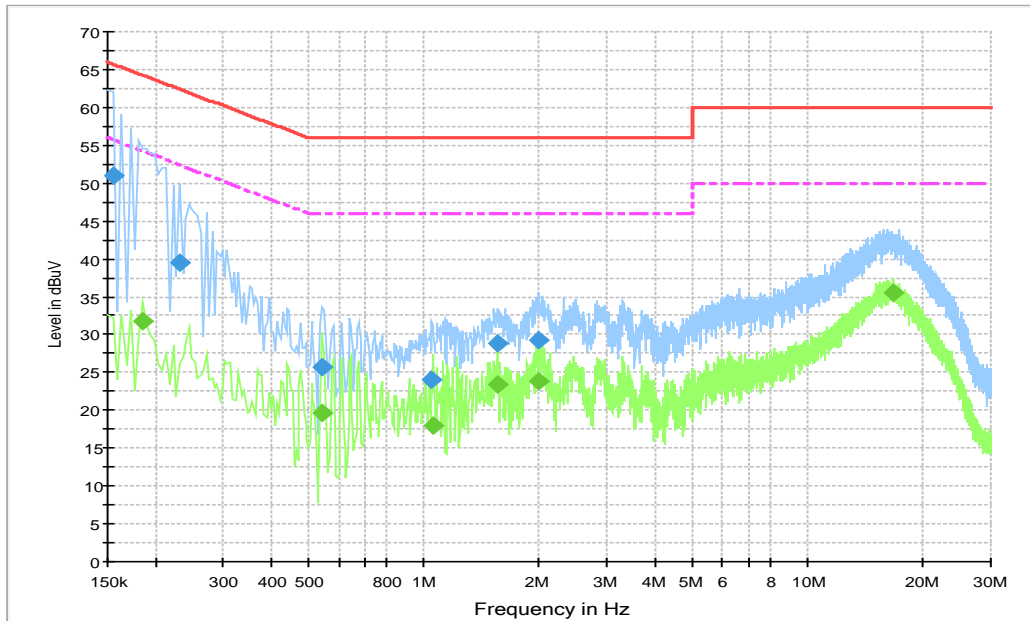


Fig.C.2.1 AC Powerline Conducted Emission-802.11b

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)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.154500	51.0	1000.	9.000	L1	19.6	14.7	65.8
0.231000	39.5	1000.	9.000	L1	19.7	22.9	62.4
0.541500	25.7	1000.	9.000	L1	19.8	30.3	56.0
1.050000	24.1	1000.	9.000	L1	19.6	31.9	56.0
1.563000	28.8	1000.	9.000	L1	19.7	27.2	56.0
1.999500	29.2	1000.	9.000	L1	19.6	26.8	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.186000	31.9	1000.0	9.000	L1	19.7	22.4	54.2
0.541500	19.7	1000.0	9.000	L1	19.8	26.3	46.0
1.054500	17.9	1000.0	9.000	L1	19.6	28.1	46.0
1.554000	23.3	1000.0	9.000	L1	19.7	22.7	46.0
1.999500	23.8	1000.0	9.000	L1	19.6	22.2	46.0
16.714500	35.6	1000.0	9.000	L1	19.8	14.4	50.0

Idle:

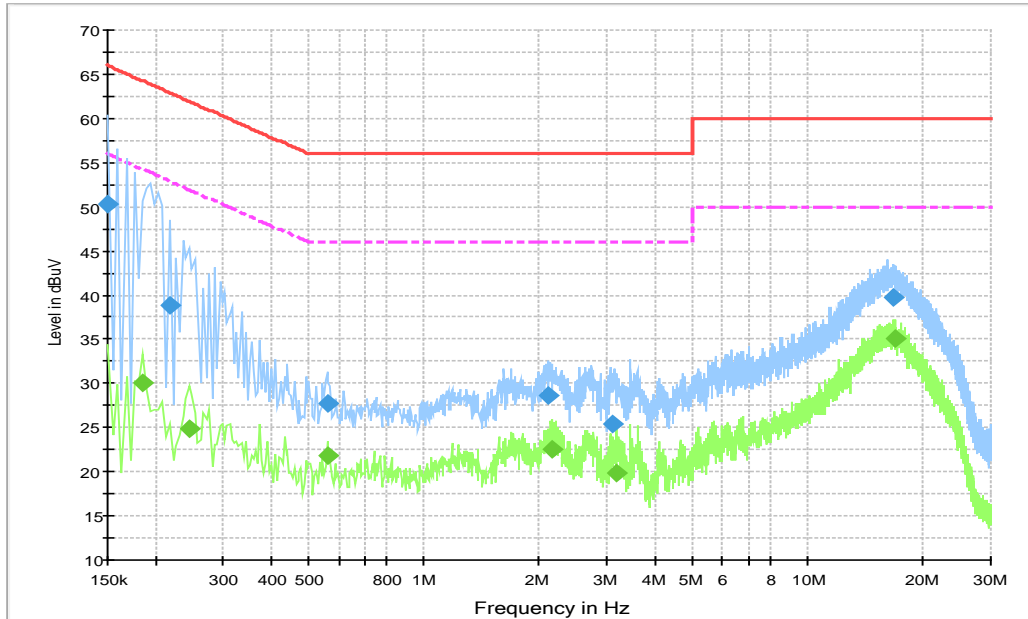


Fig.C.2.2 AC Powerline Conducted Emission-Idle

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

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	50.3	1000.	9.000	L1	19.6	15.7	66.0
0.217500	38.9	1000.	9.000	L1	19.7	24.0	62.9
0.559500	27.8	1000.	9.000	L1	19.8	28.2	56.0
2.103000	28.6	1000.	9.000	L1	19.7	27.4	56.0
3.106500	25.4	1000.	9.000	L1	19.7	30.6	56.0
16.669500	39.8	1000.	9.000	L1	19.8	20.2	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	50.3	1000.0	9.000	L1	19.6	15.7	66.0
0.217500	38.9	1000.0	9.000	L1	19.7	24.0	62.9
0.559500	27.8	1000.0	9.000	L1	19.8	28.2	56.0
2.103000	28.6	1000.0	9.000	L1	19.7	27.4	56.0
3.106500	25.4	1000.0	9.000	L1	19.7	30.6	56.0
16.669500	39.8	1000.0	9.000	L1	19.8	20.2	60.0

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