FCC PART 15E
TEST REPORT
No.24T04Z101051-006

for

TCL Communication Ltd.

Tablet PC

9465X

FCC ID：2ACCJB223

with

Hardware Version: 05

Software Version: 6HS2

Issued Date: 2024-06-20

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.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04Z101051-006	Rev.0	1st edition	2024-06-20

Note: the latest revision of the test report supersedes all previous version.

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CONTENTS

1. TEST LABORATORY 5

1.1. INTRODUCTION & ACCREDITATION 5
1.2. TESTING LOCATION 5
1.3. TESTING ENVIRONMENT 5
1.4. PROJECT DATE 5
1.1. SIGNATURE 5

2. CLIENT INFORMATION 6

2.1. APPLICANT INFORMATION 6
2.2. MANUFACTURER INFORMATION 6

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) 7

3.1. ABOUT EUT 7
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST 7
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST 7
3.4. GENERAL DESCRIPTION 7
3.5. INTERPRETATION OF THE TEST ENVIRONMENT 8

4. REFERENCE DOCUMENTS 8

4.1. DOCUMENTS SUPPLIED BY APPLICANT 8
4.2. REFERENCE DOCUMENTS FOR TESTING 8

5. LABORATORY ENVIRONMENT 8

6. TEST RESULTS 9

6.1. SUMMARY OF TEST RESULTS 9
6.2. STATEMENTS 9
6.3. TEST CONDITIONS 9

7. TEST FACILITIES UTILIZED 10

8. MEASUREMENT UNCERTAINTY 11

8.1 TRANSMITTER OUTPUT POWER 11
8.2 PEAK POWER SPECTRAL DENSITY 11
8.3 26DB EMISSION BANDWIDTH 11
8.4 BAND EDGES COMPLIANCE 11
8.5 SPURIOUS EMISSIONS 11
8.6 RADIATED UNWANTED EMISSION 11
8.7 AC POWER-LINE CONDUCTED EMISSION 11

ANNEX A: DETAILED TEST RESULTS 12

A.1. MEASUREMENT METHOD 12
A.2. MAXIMUM OUTPUT POWER 13
A.2.1 ANTENNA GAIN 13

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A.2.2 MAXIMUM OUTPUT POWER-CONDUCTED 13
A.3. PEAK POWER SPECTRAL DENSITY (CONDUCTED) 17
A.4. 26DB EMISSION BANDWIDTH (CONDUCTED) 19
A.5. RADIATED UNWANTED EMISSION 34
A.5.1 LIMITS 34
A.5.2 TEST SETUP 35
A.5.3 TEST PROCEDURES 36
A.5.4 CALCULATION 36
A.6. AC POWERLINE CONDUCTED EMISSION (150KHZ- 30MHZ) 77
A.6.1 SUMMARY 77
A.6.2 METHOD OF MEASUREMENT 77
A.6.3 TEST CONDITION 77
A.6.4 TEST SETUP 77
A.7. 99% OCCUPIED BANDWIDTH 81
A.9. POWER CONTROL 86
ANNEX B: EUT PARAMETERS 86
ANNEX C: ACCREDITATION CERTIFICATE 86

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1. Test Laboratory

1.1. Introduction & Accreditation

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

1.2. Testing Location

Conducted testing Location: CTTL(Huayuan North Road)

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

Radiated testing Location: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, 100191, P. R. China

1.3. Testing Environment

Normal Temperature: 15-35°C

Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2024-05-17

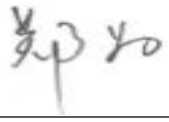
Testing End Date: 2024-06-20

1.1. Signature



Yao Xingyu

(Prepared this test report)



Zheng Wei

(Reviewed this test report)



Pang Shuai

(Approved this test report)

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2. Client Information

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
Address/Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
City:	Hong Kong
Postal Code:	/
Country:	China
Contact Person:	Ting Wang
Contact Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax:	/

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address/Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
City:	Hong Kong
Postal Code:	/
Country:	China
Contact Person:	Ting Wang
Contact Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax:	/

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

3.1. About EUT

Description	Tablet PC
Model name	9465X
FCC ID	2ACCJB223
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Nominal Voltage	3.8V
Extreme High Voltage	4.2V
Extreme Low Voltage	3.5V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT07a	9TIVTOOZ49C67TNZ	05	6HS2	2024-05-17
EUT1(UT01a)	W8F6B6PRT8IRNVNF	05	6HS2	2024-05-21

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

UT07a is used for Conduction test, UT01a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Note	Manufacturer
AE1	Battery	2853B7PL-2P	Gaoyuan
AE2	Charger	UT-681E-5200MY	Shenzhen Baijunda Electronic CO.,Ltd
AE3	USB cable	XB.003.1071.0003	Huizhou Besiter power technology Co., Ltd

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

3.4. General Description

The Equipment under Test (EUT) is a model of Tablet PC with integrated antenna and inbuilt battery.

It consists of normal options: travel charger, USB cable.

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

Samples undergoing test were selected by the client.

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3.5. Interpretation of the Test Environment

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

Measurement Uncertainty

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

4. Reference Documents

4.1. Documents supplied by applicant

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

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

FCC Part15	Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices	2021
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12

5. Laboratory Environment

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

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6. Test Results

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15E	Sub-clause of IC	Verdict
Maximum Output Power	15.407	/	**P**
Peak Power Spectral Density	15.407	/	**P**
Occupied 26dB Bandwidth	15.403	/	**P**
Radiated Unwanted Emission	15.407, 15.205, 15.209	/	**P**
AC Powerline Conducted Emission	15.107, 15.207	/	**P**
99% Occupied bandwidth	/	/	**P**
Transmit Power Control	15.407	/	**NA**

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

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NM	Not measured, The test was not measured by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

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

Temperature	26°C
Voltage	3.8V
Humidity	44%

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7. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	1 year	2024-07-04
2	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2025-04-01
3	LISN	ENV216	101200	R&S	1 Year	2025-05-17
4	Test Receiver	ESCI	100344	R&S	1 Year	2025-05-01
5	Attenuator	10dB/2W	/	Rosenberger	/	/
6	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103144	R&S	1 Year	2024-12-26
2	EMI Antenna	VULB9163	01223	R&S	1 Year	2024-08-18
3	EMI Antenna	3115	00167250	R&S	1 Year	2025-05-11
4	EMI Antenna	3116	2663	R&S	1 Year	2025-03-21

Test Software

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V11.50.20	R&S
Conducted Emission	EMC32 V8.53.0	R&S

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8. Measurement Uncertainty

8.1 Transmitter Output Power

Measurement Uncertainty: 0.387dB,k=1.96

8.2 Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

8.3 26dB Emission Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4 Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5 Spurious Emissions

Conducted (k=1.96)

Frequency Range	Uncertainty(dB)
30MHz ≤ f ≤ 2GHz	1.22
2GHz ≤ f ≤3.6GHz	1.22
3.6GHz ≤ f ≤8GHz	1.22
8GHz ≤ f ≤12.75GHz	1.51
12.75GHz ≤ f ≤26GHz	1.51
26GHz ≤ f ≤40GHz	1.59

8.6 Radiated Unwanted Emission

Frequency Range	Uncertainty(dB) (k=2)
9kHz-30MHz	/
30MHz ≤ f ≤ 1GHz	4.72
1GHz ≤ f ≤18GHz	4.84
18GHz ≤ f ≤40GHz	5.12

8.7 AC Power-line Conducted Emission

Measurement Uncertainty : 3.08dB,k=2

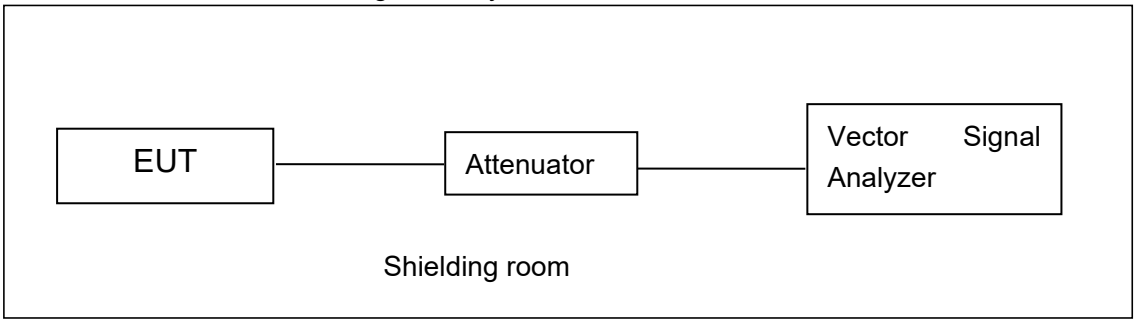
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ANNEX A: Detailed Test Results

A.1. Measurement Method

A.1.1. Conducted Measurements

1). Connect the EUT to the test system correctly.
2). Set the EUT to the required work mode.
3). Set the EUT to the required channel.
4). Set the spectrum analyzer to start measurement.
5). Record the values. Vector Signal Analyzer



A.1.2. Radiated Emission Measurements

Measurement performed according to Clause 6.4, 6.5, 6.6 in ANSI C63.10-2013 and II.G.4, II.G.5, II.G.6 in KDB 789033.

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

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A.2. Maximum output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	Limit (dBm)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	24dBm
	5250MHz~5350MHz	24dBm or 11+10logB
	5470MHz~5725MHz	24dBm or 11+10logB

Limit use the less value, and B is the 26dB bandwidth.

The measurementmethod SA-2 is made according to KDB 789033

A.2.1 Antenna Gain

Antenna gain is -0.5dBi and the value is supplied by the applicant or manufacturer.

A.2.2 Maximum output Power-Conducted

EUT ID: UT07a

Measurement Results:

802.11a mode

Mode	Frequency	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz	16.13	/	/	/	/	/	/	/
	5200MHz	16.17	/	/	/	/	/	/	/
	5240MHz	16.22	/	/	/	/	/	/	/
	5260MHz	16.17	/	/	/	/	/	/	/
	5280MHz	16.31	/	/	/	/	/	/	/
	5320MHz	16.47	/	/	/	/	/	/	/
	5500MHz	16.42	/	/	/	/	/	/	/
	5580MHz	16.28	/	/	/	/	/	/	/
	5700MHz	16.36	/	/	/	/	/	/	/
	5720MHz	16.30	/	/	/	/	/	/	/

The data rate 6Mbps is selected as worst condition, and the following cases are performed with this condition.

802.11n-HT20 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT20)	5180MHz	16.09	/	/	/	/	/	/	/
	5200MHz	15.95	/	/	/	/	/	/	/
	5240MHz	16.10	/	/	/	/	/	/	/
	5260MHz	16.13	/	/	/	/	/	/	/
	5280MHz	16.11	/	/	/	/	/	/	/
	5320MHz	16.36	/	/	/	/	/	/	/
	5500MHz	16.23	/	/	/	/	/	/	/

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	5580MHz	16.21	/	/	/	/	/	/	/
	5700MHz	16.19	/	/	/	/	/	/	/
	5720MHz	16.37	/	/	/	/	/	/	/

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT20 mode

Mode	Frequency	Test Result (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
802.11ac (VHT20)	5180MHz	15.09	/	/	/	/	/	/	/	/
	5200MHz	15.26	/	/	/	/	/	/	/	/
	5240MHz	15.28	/	/	/	/	/	/	/	/
	5260MHz	15.34	/	/	/	/	/	/	/	/
	5280MHz	15.36	/	/	/	/	/	/	/	/
	5320MHz	15.56	/	/	/	/	/	/	/	/
	5500MHz	15.03	/	/	/	/	/	/	/	/
	5580MHz	15.39	/	/	/	/	/	/	/	/
	5700MHz	15.33	/	/	/	/	/	/	/	/
	5720MHz	15.50	/	/	/	/	/	/	/	/

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11n-HT40 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT40)	5190MHz	14.78	/	/	/	/	/	/	/
	5230MHz	14.81	/	/	/	/	/	/	/
	5270MHz	14.84	/	/	/	/	/	/	/
	5310MHz	14.96	/	/	/	/	/	/	/
	5510MHz	15.02	/	/	/	/	/	/	/
	5550MHz	15.00	/	/	/	/	/	/	/
	5670MHz	14.98	/	/	/	/	/	/	/
	5710MHz	15.11	/	/	/	/	/	/	/

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

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802.11ac-VHT40 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT40)	5190MHz	14.94	/	/	/	/	/	/	/	/	/
	5230MHz	14.86	/	/	/	/	/	/	/	/	/
	5270MHz	14.97	/	/	/	/	/	/	/	/	/
	5310MHz	15.11	/	/	/	/	/	/	/	/	/
	5510MHz	15.10	/	/	/	/	/	/	/	/	/
	5550MHz	15.19	/	/	/	/	/	/	/	/	/
	5670MHz	15.18	/	/	/	/	/	/	/	/	/
	5710MHz	15.36	/	/	/	/	/	/	/	/	/

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT80)	5210MHz	15.04	/	/	/	/	/	/	/	/	/
	5290MHz	15.13	/	/	/	/	/	/	/	/	/
	5530MHz	15.19	/	/	/	/	/	/	/	/	/
	5610MHz	15.20	/	/	/	/	/	/	/	/	/
	5690MHz	15.31	/	/	/	/	/	/	/	/	/

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

The duty cycle of all mode are 100%

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18:41:38 19.06.2024

Maximum output Power：11a CH64

Conclusion: PASS

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A.3. Peak Power Spectral Density (conducted)

Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	11
	5250MHz~5350MHz	11
	5470MHz~5725MHz	11

The output power measurement method Section F is made according to KDB 789033

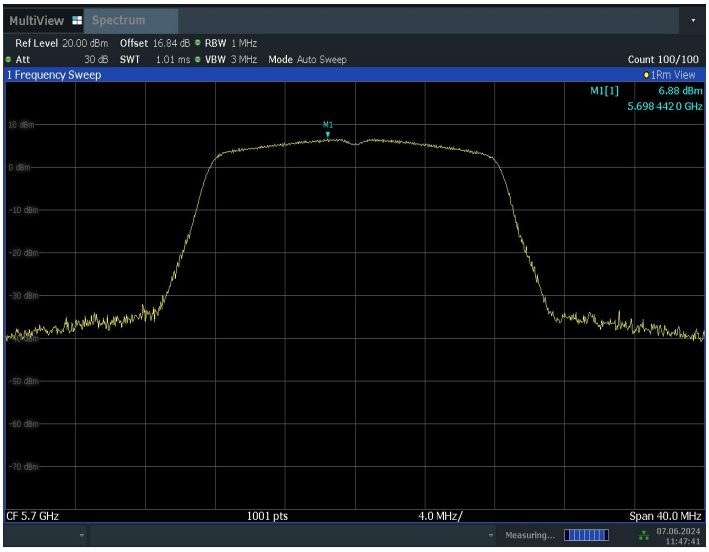
EUT ID: UT07a

Measurement Results:

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	5.77	≤11.00	PASS
	5200	6.10	≤11.00	PASS
	5240	6.66	≤11.00	PASS
	5260	5.98	≤11.00	PASS
	5280	6.27	≤11.00	PASS
	5320	6.11	≤11.00	PASS
	5500	6.67	≤11.00	PASS
	5580	6.58	≤11.00	PASS
	5700	6.88	≤11.00	PASS
	5720	6.28	≤11.00	PASS
11N20SISO	5180	5.38	≤11.00	PASS
	5200	5.63	≤11.00	PASS
	5240	6.11	≤11.00	PASS
	5260	5.47	≤11.00	PASS
	5280	6.28	≤11.00	PASS
	5320	5.86	≤11.00	PASS
	5500	6.48	≤11.00	PASS
	5580	5.95	≤11.00	PASS
	5700	6.41	≤11.00	PASS
	5720	6.43	≤11.00	PASS
11AC40SISO	5190	1.47	≤11.00	PASS
	5230	1.93	≤11.00	PASS
	5270	1.40	≤11.00	PASS
	5310	1.56	≤11.00	PASS
	5510	2.07	≤11.00	PASS
	5550	2.01	≤11.00	PASS
	5670	2.21	≤11.00	PASS
	5710	2.28	≤11.00	PASS
11AC80SISO	5210	-1.68	≤11.00	PASS
	5290	-1.02	≤11.00	PASS
	5530	-0.60	≤11.00	PASS

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	5610	-1.78	≤11.00	PASS
	5690	-0.60	≤11.00	PASS



Peak Power Spectral Density:11a CH140

Conclusion: PASS

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A.4. 26dB Emission Bandwidth (conducted)

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.403 (i)	/

The measurement is made according to KDB 789033

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

EUT ID: UT07a

Measurement Result:

TestMode	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	5180	23.88	5167.76	5191.64	---	---
	5200	21.52	5188.76	5210.28	---	---
	5240	22.68	5229.32	5252.00	---	---
	5260	23.64	5247.28	5270.92	---	---
	5280	19.88	5270.12	5290.00	---	---
	5320	23.00	5308.04	5331.04	---	---
	5500	22.32	5488.12	5510.44	---	---
	5580	22.20	5569.12	5591.32	---	---
	5700	20.40	5689.56	5709.96	---	---
	5720	22.84	5709.28	5732.12	---	---
11N20SISO	5180	21.92	5168.32	5190.24	---	---
	5200	22.48	5188.28	5210.76	---	---
	5240	20.96	5229.32	5250.28	---	---
	5260	22.24	5248.16	5270.40	---	---
	5280	20.36	5269.76	5290.12	---	---
	5320	21.12	5309.36	5330.48	---	---
	5500	22.88	5489.28	5512.16	---	---
	5580	23.64	5567.72	5591.36	---	---
	5700	21.72	5688.40	5710.12	---	---
	5720	22.92	5709.40	5732.32	---	---
11AC40SISO	5190	40.48	5169.68	5210.16	---	---
	5230	40.80	5209.68	5250.48	---	---
	5270	42.16	5248.40	5290.56	---	---
	5310	41.12	5289.36	5330.48	---	---
	5510	41.04	5489.36	5530.40	---	---
	5550	40.96	5529.52	5570.48	---	---
	5670	40.80	5649.68	5690.48	---	---
	5710	41.28	5689.36	5730.64	---	---
11AC80SISO	5210	88.00	5162.64	5250.64	---	---
	5290	87.36	5243.28	5330.64	---	---

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	5530	81.44	5489.20	5570.64	---	---
	5610	87.52	5563.28	5650.80	---	---
	5690	81.76	5649.04	5730.80	---	---

Test graphs as below:

11A_5180



18:20:18 29.05.2024

11A_5200



18:21:20 29.05.2024

11A_5240

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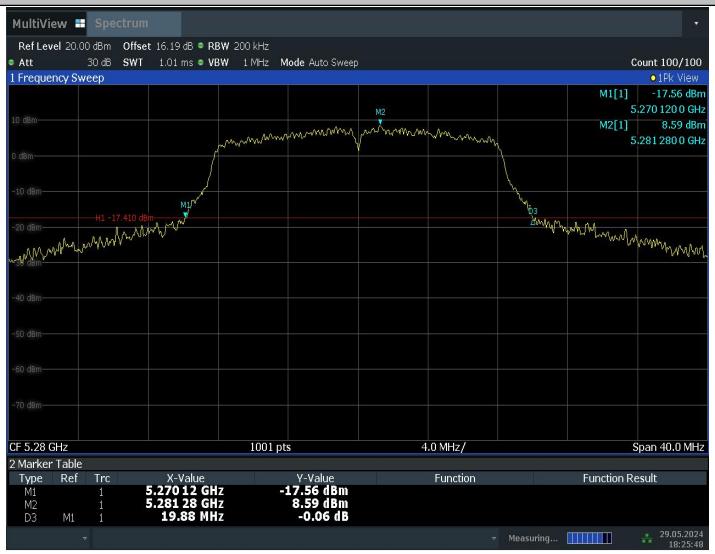
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11A_5260



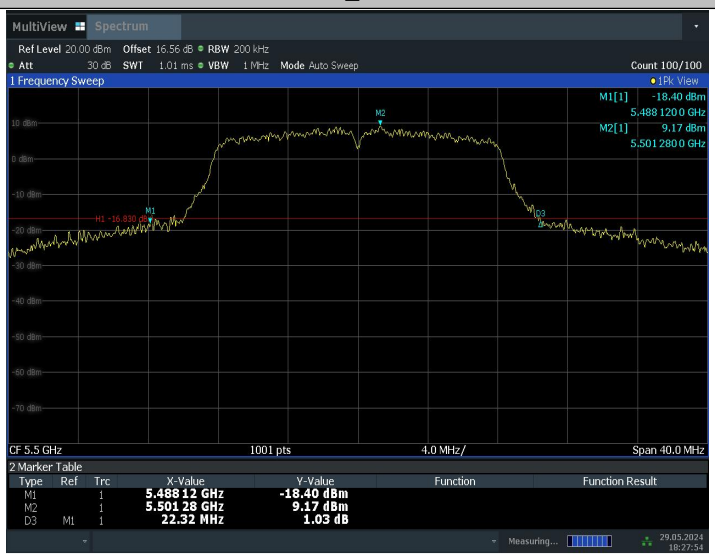
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18:25:49 29.05.2024

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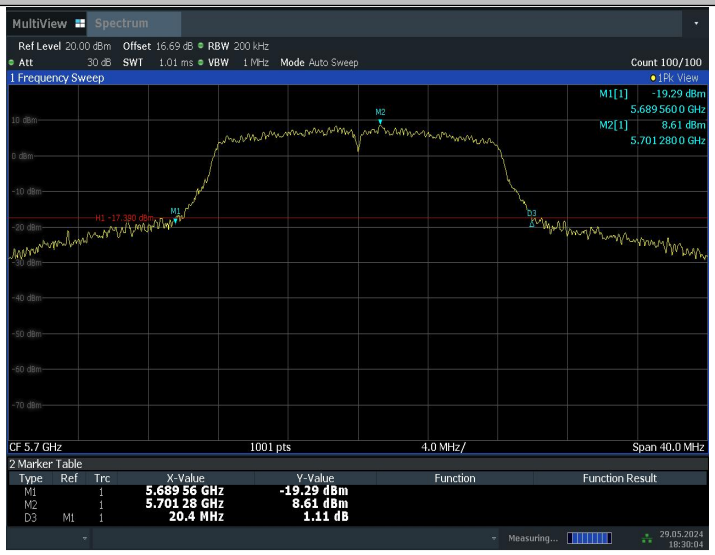
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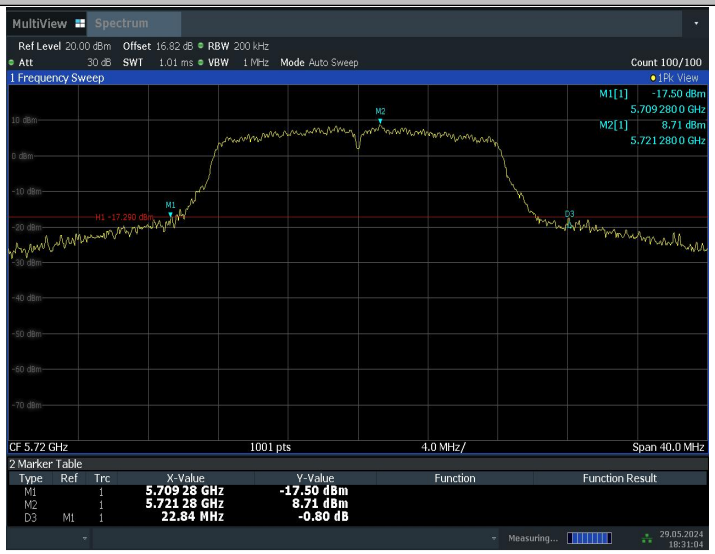
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11A_5720



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19:14:15 29.05.2024

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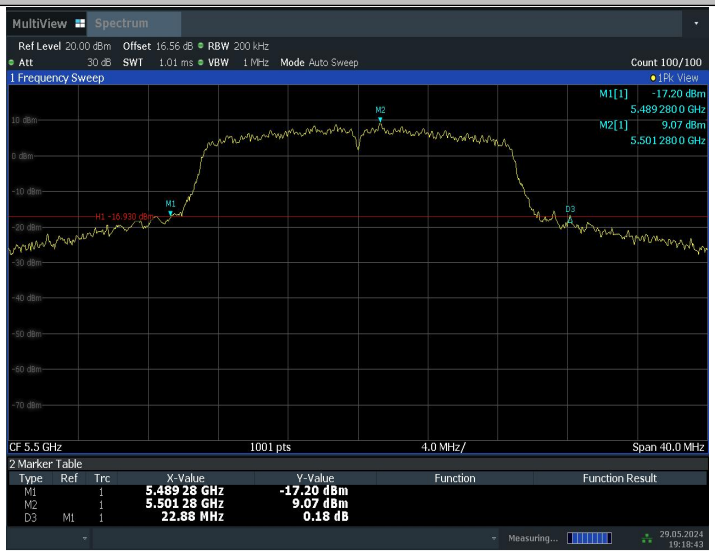
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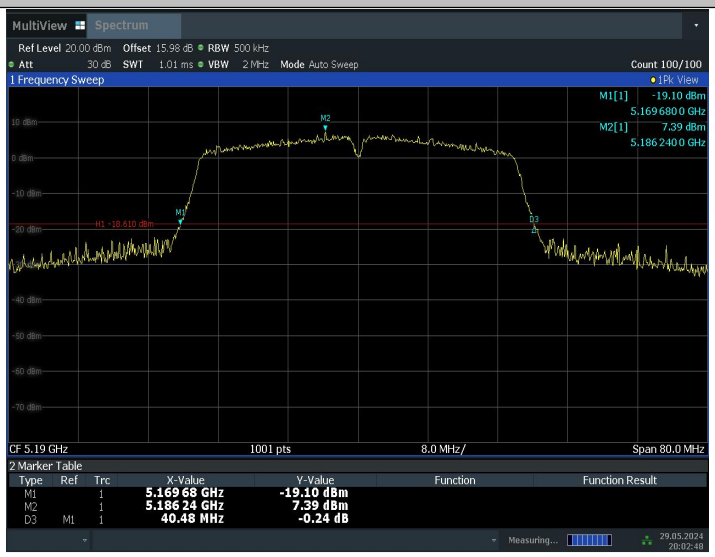
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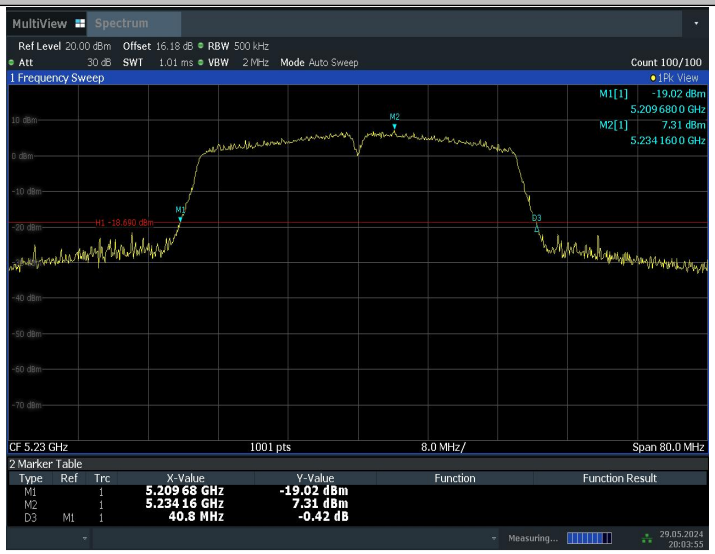


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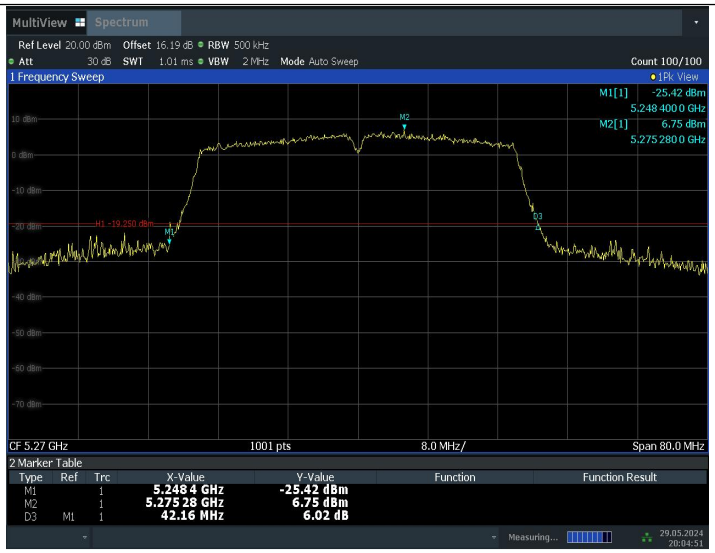
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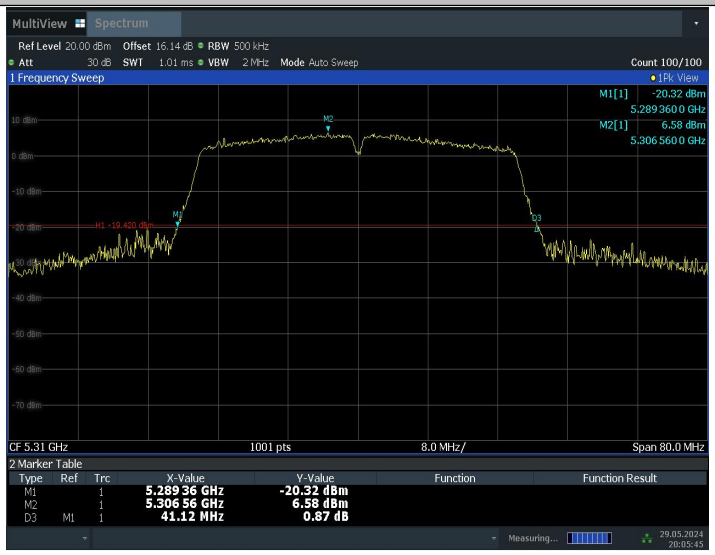
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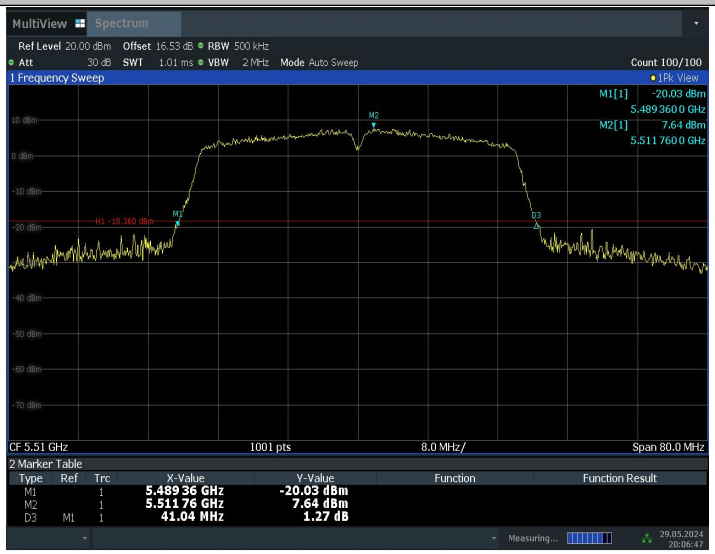
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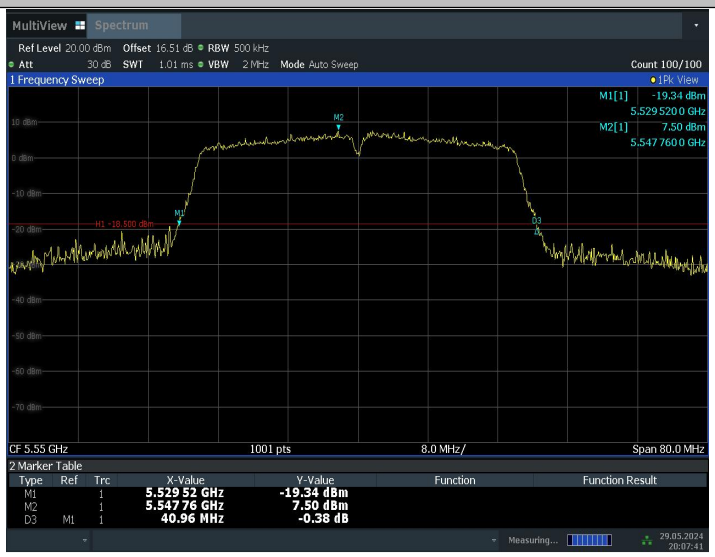
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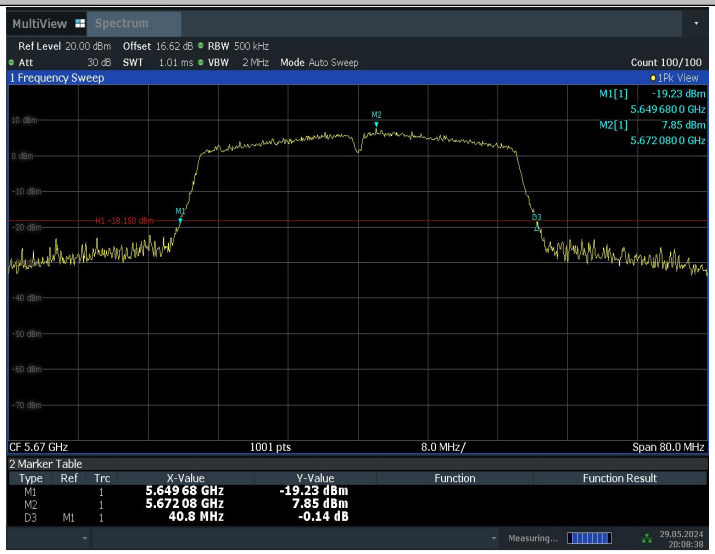


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11AC40SISO_5550


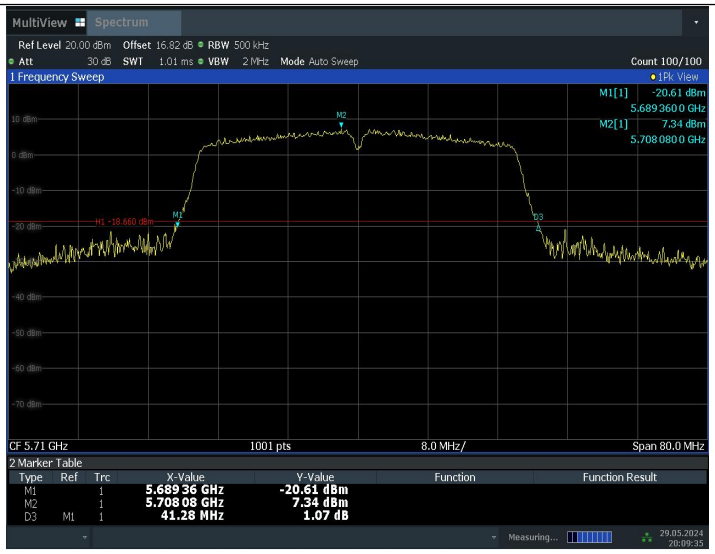
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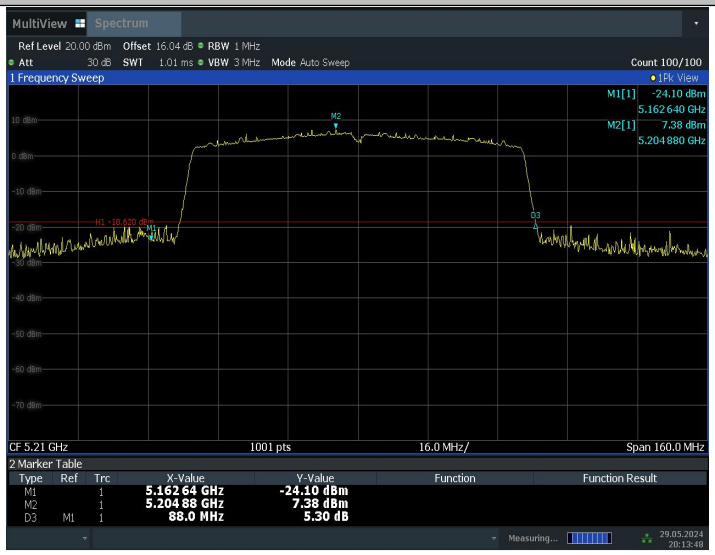
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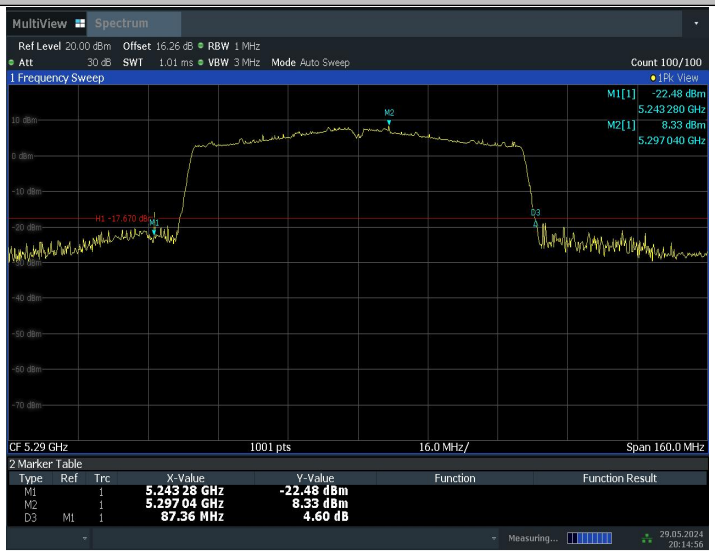
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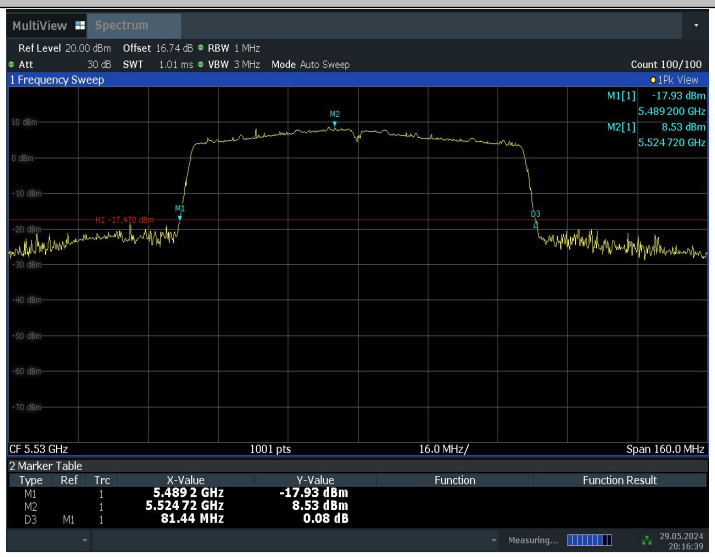
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11AC80SISO_5610


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11AC80SISO_5690

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20:18:58 29.05.2024

Conclusion: PASS

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A.5. Radiated Unwanted Emission

A.5.1 Limits

Unwanted Emissions in the unrestricted bands shall not exceed the limits that shown in 15.407:

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

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

Frequency (MHz)	Field strength(μV/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 (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Note: When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor (as defined in KDB 789033 II.G.2.d).

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A.5.2 Test setup

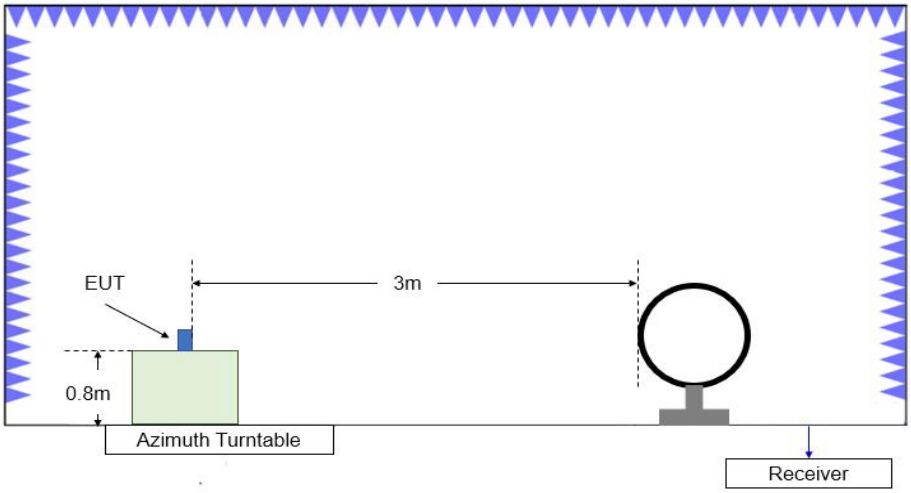


Figure A.5.1. Test Site Diagram (9kHz-30MHz)

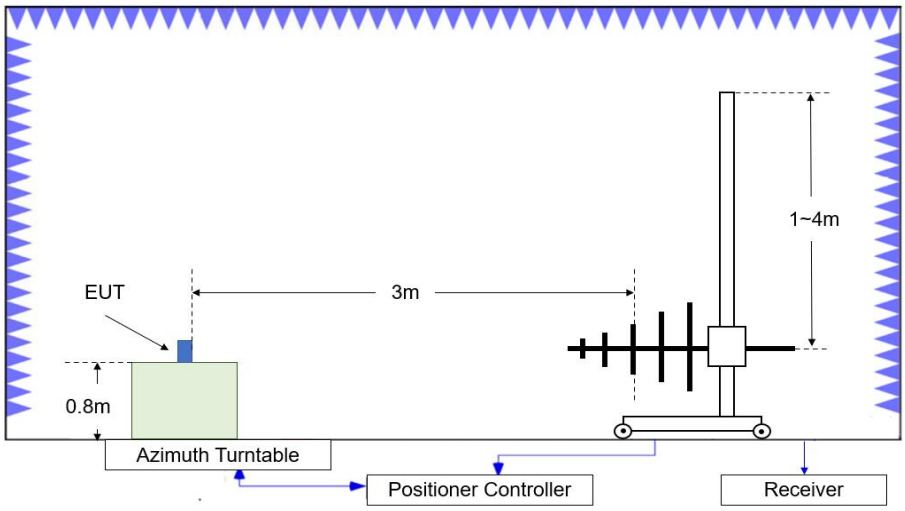


Figure A.5.2. Test Site Diagram (30MHz-1GHz)

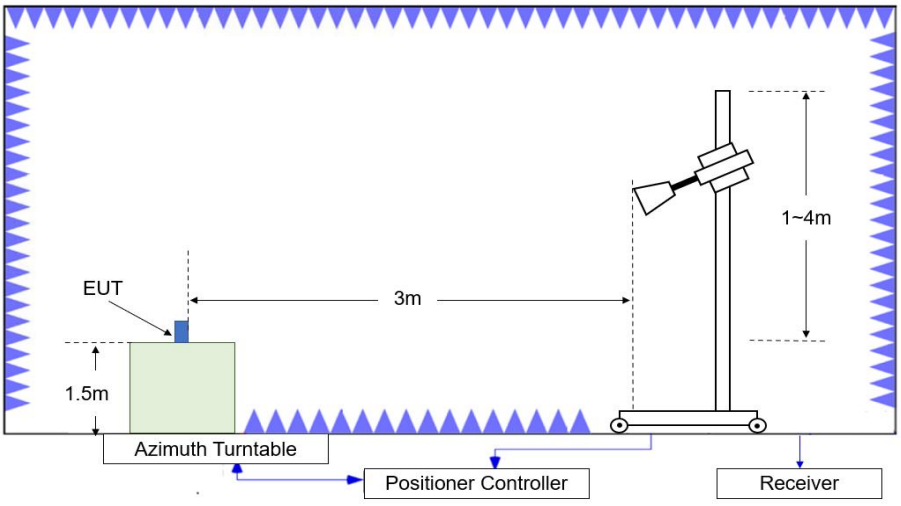


Figure A.5.3. Test Site Diagram (1GHz-40GHz)

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A.5.3 Test Procedures

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

Test setting

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

A.5.4 Calculation

1. The measurement results reported below is calculated by:

Measurement Results (dBμV/m) = $P_{measurement}$ (dBμV) + Cable Loss(dB) + Antenna Factor (dB/m)

Where: $P_{measurement}$ is the field strength recorded from the instrument

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

E=EIRP- 20log (*D*) +104.77

Where:

E is the field strength in dBμV/m

D is the measurement distance in meters

EIRP is the equivalent isotropically radiated power in dBm

Test note

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

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Measurement Results:

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)
17988.450	40.89	-29.59	45.95	24.53	54.00	13.11	V
17990.650	40.72	-29.59	45.95	24.36	54.00	13.28	H
8288.100	38.52	-34.84	37.10	36.25	54.00	15.48	H
8287.550	38.34	-34.84	37.10	36.07	54.00	15.66	V
5149.780	45.63	-28.00	34.00	39.63	54.00	8.37	V
5149.420	44.57	-28.00	34.00	38.57	54.00	9.43	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)
17995.050	40.96	-29.59	45.95	24.60	54.00	13.04	H
17997.250	40.95	-29.59	45.95	24.59	54.00	13.05	H
8320.000	38.37	-34.93	37.20	36.10	54.00	15.63	H
8319.450	37.50	-34.93	37.20	35.23	54.00	16.50	H
14498.150	36.62	-29.56	41.90	24.28	54.00	17.38	H
13309.050	36.54	-31.40	40.60	27.34	54.00	17.46	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)
17993.950	40.91	-29.59	45.95	24.55	54.00	13.09	H
17998.350	40.73	-29.59	45.95	24.37	54.00	13.27	H
8383.800	38.13	-34.42	37.30	35.25	54.00	15.87	V
14488.800	36.59	-29.56	41.90	24.25	54.00	17.41	V
14483.850	36.47	-29.56	41.90	24.13	54.00	17.53	V
8384.350	35.77	-34.42	37.30	32.89	54.00	18.23	H

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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)
17996.150	40.87	-29.59	45.95	24.51	54.00	13.13	V
17995.600	40.82	-29.59	45.95	24.46	54.00	13.18	V
8415.700	37.71	-34.42	37.30	34.83	54.00	16.29	V
14475.600	36.58	-29.56	41.90	24.24	54.00	17.42	H
14473.950	36.44	-29.56	41.90	24.10	54.00	17.56	V
11382.400	35.67	-33.31	38.85	30.13	54.00	18.33	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.150	40.92	-29.59	45.95	24.56	54.00	13.08	H
17993.950	40.84	-29.59	45.95	24.48	54.00	13.16	V
8447.600	38.03	-34.69	37.40	35.32	54.00	15.97	H
8448.150	36.74	-34.69	37.40	34.03	54.00	17.26	H
14480.000	36.70	-29.56	41.90	24.36	54.00	17.30	H
14495.950	36.51	-29.56	41.90	24.17	54.00	17.49	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10637.700	49.08	-33.58	38.30	44.36	54.00	4.92	V
10641.550	48.21	-33.58	38.30	43.49	54.00	5.79	H
17995.050	41.02	-29.59	45.95	24.66	54.00	12.98	V
17998.350	40.92	-29.59	45.95	24.56	54.00	13.08	V
5350.272	41.38	-27.82	34.20	35.00	54.00	12.62	V
5350.432	41.34	-27.82	34.20	34.96	54.00	12.66	V

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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)
10999.600	43.97	-33.10	38.60	38.47	54.00	10.03	V
10998.500	43.35	-33.10	38.60	37.85	54.00	10.65	V
17994.500	41.08	-29.59	45.95	24.72	54.00	12.92	H
17991.750	41.00	-29.59	45.95	24.64	54.00	13.00	H
5458.765	40.79	-27.49	34.20	34.08	54.00	13.21	V
5459.200	40.70	-27.49	34.20	33.99	54.00	13.30	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)
11198.700	42.11	-32.42	38.60	35.93	54.00	11.89	H
11200.350	42.04	-32.42	38.60	35.86	54.00	11.96	H
17981.850	41.11	-29.59	45.95	24.75	54.00	12.89	V
17997.250	41.04	-29.59	45.95	24.68	54.00	12.96	H
14498.700	36.69	-29.56	41.90	24.35	54.00	17.31	H
13295.850	36.57	-31.40	40.60	27.37	54.00	17.43	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)
11400.550	42.89	-32.58	39.00	36.47	54.00	11.11	V
11400.000	42.55	-32.58	39.00	36.13	54.00	11.45	V
17988.450	41.32	-29.59	45.95	24.96	54.00	12.68	V
17996.700	41.21	-29.59	45.95	24.85	54.00	12.79	V
9119.700	37.18	-34.20	37.70	33.68	54.00	16.82	H
13304.100	36.95	-31.40	40.60	27.75	54.00	17.05	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
11441.250	44.12	-33.09	39.05	38.16	54.00	9.88	V
11437.400	43.98	-33.09	39.05	38.02	54.00	10.02	V
17968.650	41.05	-29.59	45.95	24.69	54.00	12.95	V
17943.350	41.04	-29.59	45.95	24.68	54.00	12.96	V
9151.600	36.83	-34.20	37.70	33.33	54.00	17.17	V
13283.200	36.81	-31.40	40.60	27.61	54.00	17.19	H

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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)
17997.250	40.88	-29.59	45.95	24.52	54.00	13.12	V
17995.600	40.83	-29.59	45.95	24.47	54.00	13.17	V
8287.550	38.57	-34.84	37.10	36.30	54.00	15.43	V
8288.100	38.25	-34.84	37.10	35.98	54.00	15.75	V
5148.940	44.67	-28.00	34.00	38.67	54.00	9.33	V
5149.880	44.44	-28.00	34.00	38.44	54.00	9.56	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.250	41.24	-29.59	45.95	24.88	54.00	12.76	V
17992.850	40.79	-29.59	45.95	24.43	54.00	13.21	V
8320.000	38.70	-34.93	37.20	36.43	54.00	15.30	H
8319.450	38.54	-34.93	37.20	36.27	54.00	15.46	H
14498.700	36.74	-29.56	41.90	24.40	54.00	17.26	H
14494.850	36.45	-29.56	41.90	24.11	54.00	17.55	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)
17998.350	40.87	-29.59	45.95	24.51	54.00	13.13	H
17985.150	40.85	-29.59	45.95	24.49	54.00	13.15	H
8383.800	38.71	-34.42	37.30	35.83	54.00	15.29	H
13300.800	36.50	-31.40	40.60	27.30	54.00	17.50	H
14495.950	36.46	-29.56	41.90	24.12	54.00	17.54	H
8383.250	36.30	-34.42	37.30	33.42	54.00	17.70	H

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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)
17995.600	41.14	-29.59	45.95	24.78	54.00	12.86	H
17992.300	40.97	-29.59	45.95	24.61	54.00	13.03	H
8415.700	37.78	-34.42	37.30	34.90	54.00	16.22	V
13290.350	36.57	-31.40	40.60	27.37	54.00	17.43	H
14499.800	36.54	-29.56	41.90	24.20	54.00	17.46	V
8416.250	36.22	-34.69	37.40	33.51	54.00	17.78	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)
17998.350	41.34	-29.59	45.95	24.98	54.00	12.66	H
17989.000	40.93	-29.59	45.95	24.57	54.00	13.07	H
8447.600	37.87	-34.69	37.40	35.16	54.00	16.13	V
14498.150	36.73	-29.56	41.90	24.39	54.00	17.27	V
8448.150	36.62	-34.69	37.40	33.91	54.00	17.38	V
13299.700	36.59	-31.40	40.60	27.39	54.00	17.41	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)
10639.900	49.45	-33.58	38.30	44.73	54.00	4.55	H
10638.250	48.99	-33.58	38.30	44.27	54.00	5.01	V
17982.950	41.15	-29.59	45.95	24.79	54.00	12.85	V
17998.900	41.01	-29.59	45.95	24.65	54.00	12.99	H
5350.320	40.03	-27.82	34.20	33.65	54.00	13.97	V
5354.320	39.90	-27.82	34.20	33.52	54.00	14.10	V

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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)
10996.300	44.71	-33.10	38.60	39.21	54.00	9.29	V
10998.500	43.95	-33.10	38.60	38.45	54.00	10.05	H
17993.950	40.98	-29.59	45.95	24.62	54.00	13.02	V
17997.800	40.94	-29.59	45.95	24.58	54.00	13.06	H
5459.350	40.75	-27.49	34.20	34.04	54.00	13.25	V
5429.425	40.60	-27.94	34.30	34.24	54.00	13.40	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)
11200.350	42.03	-32.42	38.60	35.85	54.00	11.97	V
11203.650	41.72	-32.42	38.60	35.54	54.00	12.28	V
17987.350	41.23	-29.59	45.95	24.87	54.00	12.77	V
17983.500	41.20	-29.59	45.95	24.84	54.00	12.80	H
13292.550	36.77	-31.40	40.60	27.57	54.00	17.23	H
14496.500	36.50	-29.56	41.90	24.16	54.00	17.50	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)
11397.800	42.73	-32.58	39.00	36.31	54.00	11.27	H
11399.450	41.76	-32.58	39.00	35.34	54.00	12.24	H
17993.400	41.52	-29.59	45.95	25.16	54.00	12.48	V
17985.150	41.26	-29.59	45.95	24.90	54.00	12.74	V
9119.700	37.48	-34.20	37.70	33.98	54.00	16.52	H
13296.950	36.95	-31.40	40.60	27.75	54.00	17.05	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)
11440.700	41.43	-33.09	39.05	35.47	54.00	12.57	H
17980.200	41.35	-29.59	45.95	24.99	54.00	12.65	V
11442.350	41.28	-33.09	39.05	35.32	54.00	12.72	V
17998.350	41.08	-29.59	45.95	24.72	54.00	12.92	V
13300.800	36.82	-31.40	40.60	27.62	54.00	17.18	H
14495.400	36.81	-29.56	41.90	24.47	54.00	17.19	V

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802.11n-HT40

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)
17996.150	41.35	-29.59	45.95	24.99	54.00	12.65	V
17979.100	40.76	-29.59	45.95	24.40	54.00	13.24	V
8304.050	38.70	-34.84	37.10	36.43	54.00	15.30	V
8303.500	38.21	-34.84	37.10	35.94	54.00	15.79	H
5149.840	43.95	-28.00	34.00	37.95	54.00	10.05	V
5149.700	43.94	-28.00	34.00	37.94	54.00	10.06	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)
17986.800	40.92	-29.59	45.95	24.56	54.00	13.08	V
17956.550	40.88	-29.59	45.95	24.52	54.00	13.12	V
8367.850	38.84	-34.42	37.30	35.96	54.00	15.16	H
8367.300	36.63	-34.42	37.30	33.75	54.00	17.37	H
14497.050	36.56	-29.56	41.90	24.22	54.00	17.44	H
14488.800	36.48	-29.56	41.90	24.14	54.00	17.52	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)
17995.600	40.93	-29.59	45.95	24.57	54.00	13.07	H
17996.150	40.86	-29.59	45.95	24.50	54.00	13.14	H
8431.650	38.63	-34.69	37.40	35.92	54.00	15.37	V
14477.800	36.87	-29.56	41.90	24.53	54.00	17.13	V
14488.250	36.74	-29.56	41.90	24.40	54.00	17.26	V
8432.200	36.73	-34.69	37.40	34.02	54.00	17.27	V

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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)
10617.350	43.96	-33.58	38.30	39.24	54.00	10.04	V
10619.000	43.91	-33.58	38.30	39.19	54.00	10.09	V
17971.950	41.06	-29.59	45.95	24.70	54.00	12.94	H
17998.350	40.74	-29.59	45.95	24.38	54.00	13.26	H
5351.584	41.76	-27.82	34.20	35.38	54.00	12.24	V
5350.832	41.52	-27.82	34.20	35.14	54.00	12.48	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17989.000	41.41	-29.59	45.95	25.05	54.00	12.59	H
17995.600	41.13	-29.59	45.95	24.77	54.00	12.87	H
11023.800	39.05	-33.10	38.60	33.55	54.00	14.95	H
11019.400	38.59	-33.10	38.60	33.09	54.00	15.41	V
5459.530	47.95	-27.49	34.20	41.24	54.00	6.05	V
5459.050	47.64	-27.49	34.20	40.93	54.00	6.36	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)
17993.950	41.39	-29.59	45.95	25.03	54.00	12.61	V
17991.200	40.92	-29.59	45.95	24.56	54.00	13.08	V
11182.200	39.37	-32.61	38.60	33.38	54.00	14.63	H
11180.000	38.99	-32.61	38.60	33.00	54.00	15.01	H
14481.650	37.55	-29.56	41.90	25.21	54.00	16.45	V
14486.050	36.90	-29.56	41.90	24.56	54.00	17.10	H

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Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	41.18	-29.59	45.95	24.82	54.00	12.82	H
17969.750	41.12	-29.59	45.95	24.76	54.00	12.88	V
11334.000	37.28	-32.41	38.70	30.99	54.00	16.72	H
11335.650	37.20	-32.41	38.70	30.91	54.00	16.80	H
9071.850	37.14	-34.52	37.70	33.96	54.00	16.86	H
14498.150	36.83	-29.56	41.90	24.49	54.00	17.17	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)
17964.250	41.17	-29.59	45.95	24.81	54.00	12.83	H
17975.250	41.11	-29.59	45.95	24.75	54.00	12.89	V
11418.150	39.61	-32.58	39.00	33.19	54.00	14.39	V
11412.100	39.33	-32.58	39.00	32.91	54.00	14.67	V
9135.650	37.11	-34.20	37.70	33.61	54.00	16.89	V
14477.250	37.00	-29.56	41.90	24.66	54.00	17.00	H

802.11ac-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)
17974.150	40.90	-29.59	45.95	24.54	54.00	13.10	V
17991.750	40.80	-29.59	45.95	24.44	54.00	13.20	H
8287.550	39.36	-34.84	37.10	37.09	54.00	14.64	V
8288.100	38.95	-34.84	37.10	36.68	54.00	15.05	V
5148.400	41.32	-27.79	34.00	35.11	54.00	12.68	V
5149.800	41.14	-28.00	34.00	35.14	54.00	12.86	V

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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)
17997.800	40.79	-29.59	45.95	24.43	54.00	13.21	H
17978.550	40.78	-29.59	45.95	24.42	54.00	13.22	H
8320.000	38.83	-34.93	37.20	36.56	54.00	15.17	V
8319.450	38.79	-34.93	37.20	36.52	54.00	15.21	V
13290.900	36.77	-31.40	40.60	27.57	54.00	17.23	H
14487.700	36.70	-29.56	41.90	24.36	54.00	17.30	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)
17998.350	41.13	-29.59	45.95	24.77	54.00	12.87	V
17973.600	40.71	-29.59	45.95	24.35	54.00	13.29	V
8383.800	38.41	-34.42	37.30	35.53	54.00	15.59	V
14493.200	36.69	-29.56	41.90	24.35	54.00	17.31	H
14474.500	36.49	-29.56	41.90	24.15	54.00	17.51	H
8383.250	36.19	-34.42	37.30	33.31	54.00	17.81	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)
17925.200	41.07	-29.59	45.95	24.71	54.00	12.93	H
17988.450	40.99	-29.59	45.95	24.63	54.00	13.01	H
8415.700	37.89	-34.42	37.30	35.01	54.00	16.11	V
13311.250	36.71	-31.40	40.60	27.51	54.00	17.29	V
14471.750	36.61	-29.56	41.90	24.27	54.00	17.39	V
8416.250	36.55	-34.69	37.40	33.84	54.00	17.45	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)
17991.200	41.00	-29.59	45.95	24.64	54.00	13.00	V
17993.400	40.99	-29.59	45.95	24.63	54.00	13.01	V
8447.600	38.41	-34.69	37.40	35.70	54.00	15.59	H
8448.150	37.49	-34.69	37.40	34.78	54.00	16.51	V
14498.700	36.74	-29.56	41.90	24.40	54.00	17.26	V
13308.500	36.70	-31.40	40.60	27.50	54.00	17.30	V

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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)
10636.050	45.67	-33.58	38.30	40.95	54.00	8.33	V
10639.900	45.62	-33.58	38.30	40.90	54.00	8.38	V
17995.050	40.97	-29.59	45.95	24.61	54.00	13.03	H
17998.900	40.91	-29.59	45.95	24.55	54.00	13.09	H
5351.264	42.06	-27.82	34.20	35.68	54.00	11.94	V
5350.096	41.89	-27.82	34.20	35.51	54.00	12.11	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)
10999.050	43.59	-33.10	38.60	38.09	54.00	10.41	V
10996.850	42.84	-33.10	38.60	37.34	54.00	11.16	V
17960.950	40.87	-29.59	45.95	24.51	54.00	13.13	H
17986.250	40.85	-29.59	45.95	24.49	54.00	13.15	H
5427.445	40.22	-27.94	34.30	33.86	54.00	13.78	V
5400.175	40.14	-27.94	34.30	33.78	54.00	13.86	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)
17996.700	40.79	-29.59	45.95	24.43	54.00	13.21	H
17978.000	40.75	-29.59	45.95	24.39	54.00	13.25	V
11199.250	39.53	-32.42	38.60	33.35	54.00	14.47	H
11198.700	39.48	-32.42	38.60	33.30	54.00	14.52	V
14497.600	36.87	-29.56	41.90	24.53	54.00	17.13	V
14494.850	36.68	-29.56	41.90	24.34	54.00	17.32	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)
17989.000	41.47	-29.59	45.95	25.11	54.00	12.53	V
17998.350	41.34	-29.59	45.95	24.98	54.00	12.66	H
11398.350	41.12	-32.58	39.00	34.70	54.00	12.88	H
11397.250	41.08	-32.58	39.00	34.66	54.00	12.92	V
13286.500	37.05	-31.40	40.60	27.85	54.00	16.95	H
14497.600	37.05	-29.56	41.90	24.71	54.00	16.95	H

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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)
11438.500	41.59	-33.09	39.05	35.63	54.00	12.41	V
17973.050	41.25	-29.59	45.95	24.89	54.00	12.75	V
11444.550	41.22	-33.09	39.05	35.26	54.00	12.78	V
17967.000	41.22	-29.59	45.95	24.86	54.00	12.78	H
9151.600	37.31	-34.20	37.70	33.81	54.00	16.69	H
13307.400	36.99	-31.40	40.60	27.79	54.00	17.01	V

802.11ac-HT40

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)
17986.250	40.79	-29.59	45.95	24.43	54.00	13.21	H
17995.600	40.73	-29.59	45.95	24.37	54.00	13.27	V
8304.050	39.36	-34.84	37.10	37.09	54.00	14.64	H
8303.500	38.40	-34.84	37.10	36.13	54.00	15.60	H
5148.540	43.76	-28.00	34.00	37.76	54.00	10.24	V
5149.460	43.23	-28.00	34.00	37.23	54.00	10.77	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)
17959.850	41.08	-29.59	45.95	24.72	54.00	12.92	H
17997.800	41.01	-29.59	45.95	24.65	54.00	12.99	H
8367.850	38.45	-34.42	37.30	35.57	54.00	15.55	V
14493.750	36.55	-29.56	41.90	24.21	54.00	17.45	H
14495.400	36.52	-29.56	41.90	24.18	54.00	17.48	V
8367.300	36.44	-34.42	37.30	33.56	54.00	17.56	V

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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)
17995.050	40.87	-29.59	45.95	24.51	54.00	13.13	H
17983.500	40.82	-29.59	45.95	24.46	54.00	13.18	V
8431.650	38.55	-34.69	37.40	35.84	54.00	15.45	V
8432.200	37.21	-34.69	37.40	34.50	54.00	16.79	V
13288.150	36.73	-31.40	40.60	27.53	54.00	17.27	V
13287.050	36.72	-31.40	40.60	27.52	54.00	17.28	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)
10616.250	44.32	-33.58	38.30	39.60	54.00	9.68	V
10619.000	43.77	-33.58	38.30	39.05	54.00	10.23	V
17993.950	40.88	-29.59	45.95	24.52	54.00	13.12	V
17996.700	40.84	-29.59	45.95	24.48	54.00	13.16	H
5350.064	42.32	-27.82	34.20	35.94	54.00	11.68	V
5350.528	42.28	-27.82	34.20	35.90	54.00	11.72	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)
17935.100	41.36	-29.59	45.95	25.00	54.00	12.64	V
17976.350	41.13	-29.59	45.95	24.77	54.00	12.87	V
11018.850	39.76	-33.10	38.60	34.26	54.00	14.24	H
11019.400	39.22	-33.10	38.60	33.72	54.00	14.78	V
5459.275	42.18	-27.49	34.20	35.47	54.00	11.82	V
5459.695	41.84	-27.49	34.20	35.13	54.00	12.16	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)
17967.550	41.22	-29.59	45.95	24.86	54.00	12.78	H
17990.100	41.21	-29.59	45.95	24.85	54.00	12.79	V
11181.100	38.42	-32.61	38.60	32.43	54.00	15.58	V
11182.200	38.23	-32.61	38.60	32.24	54.00	15.77	H
13294.200	36.84	-31.40	40.60	27.64	54.00	17.16	V
13300.800	36.74	-31.40	40.60	27.54	54.00	17.26	H

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Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17977.450	41.60	-29.59	45.95	25.24	54.00	12.40	H
17997.250	41.10	-29.59	45.95	24.74	54.00	12.90	H
11340.600	38.33	-33.31	38.85	32.79	54.00	15.67	V
11351.050	38.10	-33.31	38.85	32.56	54.00	15.90	V
9071.850	36.98	-34.52	37.70	33.80	54.00	17.02	H
13276.050	36.82	-31.40	40.60	27.62	54.00	17.18	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)
17991.750	41.07	-29.59	45.95	24.71	54.00	12.93	H
17974.700	41.03	-29.59	45.95	24.67	54.00	12.97	H
11418.700	38.82	-32.58	39.00	32.40	54.00	15.18	V
11419.250	38.67	-32.58	39.00	32.25	54.00	15.33	V
13289.800	37.09	-31.40	40.60	27.89	54.00	16.91	H
14484.400	36.95	-29.56	41.90	24.61	54.00	17.05	H

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17976.350	41.05	-29.59	45.95	24.69	54.00	12.95	H
17996.150	41.04	-29.59	45.95	24.68	54.00	12.96	V
8335.950	39.29	-34.93	37.20	37.02	54.00	14.71	H
8335.400	38.61	-34.93	37.20	36.34	54.00	15.39	H
5145.400	46.64	-27.79	34.00	40.43	54.00	7.36	V
5149.880	46.59	-28.00	34.00	40.59	54.00	7.41	V

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Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.500	40.90	-29.59	45.95	24.54	54.00	13.10	V
10603.600	40.88	-33.58	38.30	36.16	54.00	13.12	H
17981.850	40.79	-29.59	45.95	24.43	54.00	13.21	H
10604.150	40.08	-33.58	38.30	35.36	54.00	13.92	H
5350.448	44.49	-27.82	34.20	38.11	54.00	9.51	V
5354.208	44.37	-27.82	34.20	37.99	54.00	9.63	V

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17986.800	41.05	-29.59	45.95	24.69	54.00	12.95	H
17988.450	41.01	-29.59	45.95	24.65	54.00	12.99	H
11078.800	37.73	-32.60	38.60	31.73	54.00	16.27	H
11081.550	37.37	-32.60	38.60	31.37	54.00	16.63	V
5457.655	47.80	-27.49	34.20	41.09	54.00	6.20	V
5459.035	47.44	-27.49	34.20	40.73	54.00	6.56	V

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17987.900	41.42	-29.59	45.95	25.06	54.00	12.58	H
17998.900	41.22	-29.59	45.95	24.86	54.00	12.78	H
11241.050	37.59	-32.99	38.65	31.93	54.00	16.41	V
11223.450	37.17	-32.42	38.60	30.99	54.00	16.83	V
14476.700	37.00	-29.56	41.90	24.66	54.00	17.00	V
14485.500	36.92	-29.56	41.90	24.58	54.00	17.08	V

Channel 138

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.600	41.37	-29.59	45.95	25.01	54.00	12.63	H
17998.350	41.24	-29.59	45.95	24.88	54.00	12.76	V
11398.350	37.64	-32.58	39.00	31.22	54.00	16.36	V
11394.500	37.58	-32.58	39.00	31.16	54.00	16.42	V
9103.750	37.36	-34.52	37.70	34.18	54.00	16.64	H
14498.700	37.10	-29.56	41.90	24.76	54.00	16.90	V

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PEAK Results:

802.11a

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10359.400	58.54	-33.64	38.10	54.08	68.20	9.66	V
10365.450	58.29	-33.64	38.10	53.83	68.20	9.91	V
17960.400	51.42	-29.59	45.95	35.06	74.00	22.58	V
17528.100	51.26	-29.39	44.90	35.76	68.20	16.94	H
5148.240	62.20	-27.79	34.00	55.99	74.00	11.80	V
5146.260	61.39	-27.79	34.00	55.18	74.00	12.61	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)
10395.150	57.53	-33.64	38.10	53.07	68.20	10.67	H
10399.000	57.35	-33.66	38.20	52.81	68.20	10.85	V
17986.800	52.33	-29.59	45.95	35.97	74.00	21.67	V
17500.050	51.79	-29.07	44.55	36.31	68.20	16.41	H
14186.300	49.98	-30.42	41.70	38.70	68.20	18.22	H
13617.600	49.32	-31.29	40.90	39.71	68.20	18.88	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)
10480.950	59.27	-33.87	38.20	54.94	68.20	8.93	V
10479.850	59.10	-33.87	38.20	54.77	68.20	9.10	V
17536.350	51.59	-29.39	44.90	36.09	68.20	16.61	H
17978.000	51.53	-29.59	45.95	35.17	74.00	22.47	V
13718.800	48.83	-31.18	41.10	38.91	68.20	19.37	H
13755.650	48.75	-31.18	41.10	38.83	68.20	19.45	V

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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)
10520.000	61.89	-33.31	38.20	57.00	68.20	6.31	V
10515.600	61.46	-33.31	38.20	56.57	68.20	6.74	V
17989.000	52.98	-29.59	45.95	36.62	74.00	21.02	H
17996.150	51.95	-29.59	45.95	35.59	74.00	22.05	H
13747.400	49.25	-31.18	41.10	39.33	68.20	18.95	V
13673.150	48.62	-30.98	41.00	38.60	68.20	19.58	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10560.700	61.10	-33.72	38.25	56.57	68.20	7.10	V
10557.950	60.63	-33.72	38.25	56.10	68.20	7.57	V
17993.400	52.20	-29.59	45.95	35.84	74.00	21.80	H
17500.050	52.09	-29.07	44.55	36.61	68.20	16.11	H
13721.550	48.88	-31.18	41.10	38.96	68.20	19.32	V
13571.950	48.83	-31.27	40.80	39.30	68.20	19.37	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10644.850	58.59	-32.67	38.35	52.91	74.00	15.41	V
10643.200	58.11	-33.58	38.30	53.39	74.00	15.89	V
17535.250	52.39	-29.39	44.90	36.89	68.20	15.81	V
17470.900	52.28	-28.70	44.20	36.78	68.20	15.92	V
5353.584	58.31	-27.82	34.20	51.93	74.00	15.69	V
5352.224	57.95	-27.82	34.20	51.57	74.00	16.05	V

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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)
11000.700	54.47	-33.10	38.60	48.97	74.00	19.53	V
11002.900	53.30	-33.10	38.60	47.80	74.00	20.70	V
17601.250	52.23	-29.60	45.15	36.68	68.20	15.97	V
17976.900	52.20	-29.59	45.95	35.84	74.00	21.80	V
5456.065	54.38	-27.49	34.20	47.67	74.00	19.62	V
5469.025	61.25	-27.49	34.20	54.54	68.20	6.95	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)
17996.700	52.00	-29.59	45.95	35.64	74.00	22.00	H
17574.300	51.79	-29.60	45.15	36.24	68.20	16.41	V
11204.200	50.59	-32.42	38.60	44.41	74.00	23.41	H
11198.700	50.53	-32.42	38.60	44.35	74.00	23.47	H
13686.350	49.45	-30.98	41.00	39.43	68.20	18.75	V
13777.100	48.91	-30.98	41.20	38.69	68.20	19.29	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)
17998.900	52.94	-29.59	45.95	36.58	74.00	21.06	V
11402.750	52.47	-32.58	39.00	46.05	74.00	21.53	V
17960.950	52.40	-29.59	45.95	36.04	74.00	21.60	V
11397.800	52.22	-32.58	39.00	45.80	74.00	21.78	V
5725.932	62.41	-27.47	34.10	55.78	68.20	5.79	V
5726.387	62.01	-27.47	34.10	55.38	68.20	6.19	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)
11450.600	53.30	-33.09	39.05	47.34	74.00	20.70	V
11437.400	53.06	-33.09	39.05	47.10	74.00	20.94	V
17969.750	51.99	-29.59	45.95	35.63	74.00	22.01	V
17513.800	51.97	-29.07	44.55	36.49	68.20	16.23	H
14114.800	49.56	-30.93	41.70	38.78	68.20	18.64	V
14204.450	49.51	-30.42	41.70	38.23	68.20	18.69	H

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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)
10358.850	58.47	-33.64	38.10	54.01	68.20	9.73	V
10359.950	57.47	-33.64	38.10	53.01	68.20	10.73	V
17997.800	51.95	-29.59	45.95	35.59	74.00	22.05	V
17667.800	51.41	-29.60	45.40	35.61	68.20	16.79	H
5149.880	62.52	-28.00	34.00	56.52	74.00	11.48	V
5147.200	62.22	-27.79	34.00	56.01	74.00	11.78	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)
10399.550	58.96	-33.66	38.20	54.42	68.20	9.24	V
10404.500	58.14	-33.66	38.20	53.60	68.20	10.06	V
17552.850	52.13	-29.39	44.90	36.63	68.20	16.07	H
17997.800	51.79	-29.59	45.95	35.43	74.00	22.21	V
13718.800	49.13	-31.18	41.10	39.21	68.20	19.07	V
14081.250	49.03	-30.20	41.70	37.53	68.20	19.17	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)
10478.750	60.24	-33.87	38.20	55.91	68.20	7.96	H
10482.600	57.84	-33.87	38.20	53.51	68.20	10.36	H
17991.200	52.21	-29.59	45.95	35.85	74.00	21.79	H
17939.500	52.07	-29.59	45.95	35.71	74.00	21.93	H
13686.350	48.69	-30.98	41.00	38.67	68.20	19.51	H
13622.000	48.68	-31.29	40.90	39.07	68.20	19.52	H

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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)
10512.300	57.58	-33.31	38.20	52.69	68.20	10.62	V
10518.900	56.43	-33.31	38.20	51.54	68.20	11.77	V
17973.050	52.25	-29.59	45.95	35.89	74.00	21.75	V
17998.350	51.88	-29.59	45.95	35.52	74.00	22.12	H
13745.200	49.31	-31.18	41.10	39.39	68.20	18.89	H
13591.750	49.12	-31.27	40.80	39.59	68.20	19.08	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)
10561.800	61.39	-33.72	38.25	56.86	68.20	6.81	V
10564.000	60.92	-33.72	38.25	56.39	68.20	7.28	V
17602.350	51.85	-29.60	45.15	36.30	68.20	16.35	H
17633.150	51.77	-29.60	45.40	35.97	68.20	16.43	H
14205.550	49.36	-30.42	41.70	38.08	68.20	18.84	V
13654.450	49.06	-31.29	40.90	39.45	68.20	19.14	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10637.700	60.22	-33.58	38.30	55.50	74.00	13.78	H
10633.300	59.07	-33.58	38.30	54.35	74.00	14.93	V
17622.700	52.19	-29.60	45.15	36.64	68.20	16.01	H
17608.950	51.61	-29.60	45.15	36.06	68.20	16.59	V
5353.744	54.86	-27.82	34.20	48.48	74.00	19.14	V
5352.336	54.79	-27.82	34.20	48.41	74.00	19.21	V

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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)
10995.200	53.77	-33.10	38.60	48.27	74.00	20.23	H
11002.350	53.72	-33.10	38.60	48.22	74.00	20.28	H
17964.800	51.77	-29.59	45.95	35.41	74.00	22.23	V
17589.150	51.64	-29.60	45.15	36.09	68.20	16.56	V
5456.395	55.01	-27.49	34.20	48.30	74.00	18.99	H
5469.130	58.65	-27.49	34.20	51.94	68.20	9.55	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)
17998.900	52.37	-29.59	45.95	36.01	74.00	21.63	V
17634.800	52.01	-29.60	45.40	36.21	68.20	16.19	H
11203.650	51.28	-32.42	38.60	45.10	74.00	22.72	V
11200.900	50.94	-32.42	38.60	44.76	74.00	23.06	V
14198.400	49.18	-30.42	41.70	37.90	68.20	19.02	V
14190.700	49.08	-30.42	41.70	37.80	68.20	19.12	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)
17991.750	52.92	-29.59	45.95	36.56	74.00	21.08	H
11397.250	52.35	-32.58	39.00	45.93	74.00	21.65	V
17964.800	52.33	-29.59	45.95	35.97	74.00	21.67	V
11400.000	52.32	-32.58	39.00	45.90	74.00	21.68	H
5725.460	65.94	-27.47	34.10	59.31	68.20	2.26	V
5725.443	65.88	-27.47	34.10	59.25	68.20	2.32	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)
17599.600	52.32	-29.60	45.15	36.77	68.20	15.88	V
11440.700	52.14	-33.09	39.05	46.18	74.00	21.86	H
17969.750	52.13	-29.59	45.95	35.77	74.00	21.87	V
11442.900	51.97	-33.09	39.05	46.01	74.00	22.03	V
13704.500	49.62	-30.98	41.00	39.60	68.20	18.58	V
13576.350	49.48	-31.27	40.80	39.95	68.20	18.72	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)
17759.650	52.67	-29.47	45.90	36.24	74.00	21.33	H
17603.450	52.11	-29.60	45.15	36.56	68.20	16.09	V
10389.100	52.00	-33.64	38.10	47.54	68.20	16.20	V
10387.450	51.65	-33.64	38.10	47.19	68.20	16.55	H
5146.120	63.23	-27.79	34.00	57.02	74.00	10.77	V
5143.220	61.45	-27.79	34.00	55.24	74.00	12.55	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)
10455.100	55.16	-33.87	38.20	50.83	68.20	13.04	H
10457.300	54.37	-33.87	38.20	50.04	68.20	13.83	H
17622.700	52.35	-29.60	45.15	36.80	68.20	15.85	H
17956.000	52.10	-29.59	45.95	35.74	74.00	21.90	V
14105.450	49.60	-30.20	41.70	38.10	68.20	18.60	V
13697.350	49.33	-30.98	41.00	39.31	68.20	18.87	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)
10551.350	53.56	-33.72	38.25	49.03	68.20	14.64	V
10527.150	53.53	-33.31	38.20	48.64	68.20	14.67	H
17976.900	52.32	-29.59	45.95	35.96	74.00	21.68	V
17470.900	52.26	-28.70	44.20	36.76	68.20	15.94	H
13768.300	49.32	-30.98	41.20	39.10	68.20	18.88	V
13779.300	49.23	-30.98	41.20	39.01	68.20	18.97	V

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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)
10613.500	54.88	-33.58	38.30	50.16	74.00	19.12	H
10612.950	52.88	-33.58	38.30	48.16	74.00	21.12	V
17615.000	52.57	-29.60	45.15	37.02	68.20	15.63	H
17635.900	52.28	-29.60	45.40	36.48	68.20	15.92	H
5356.528	59.91	-27.82	34.20	53.53	74.00	14.09	V
5358.992	58.66	-27.82	34.20	52.28	74.00	15.34	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)
17586.950	52.60	-29.60	45.15	37.05	68.20	15.60	H
17396.650	52.40	-29.44	43.80	38.04	68.20	15.80	V
14592.200	49.71	-29.14	41.90	36.95	68.20	18.49	V
13680.850	49.65	-30.98	41.00	39.63	68.20	18.55	H
5459.815	63.58	-27.49	34.20	56.87	74.00	10.42	V
5467.765	66.93	-27.49	34.20	60.22	68.20	1.27	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)
17870.200	52.35	-29.59	45.95	35.99	74.00	21.65	H
17974.700	52.31	-29.59	45.95	35.95	74.00	21.69	H
11177.250	49.94	-32.61	38.60	43.95	74.00	24.06	H
14597.150	49.23	-29.14	41.90	36.47	68.20	18.97	V
13750.150	49.22	-31.18	41.10	39.30	68.20	18.98	H
11182.750	49.18	-32.61	38.60	43.19	74.00	24.82	H

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Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17936.750	51.93	-29.59	45.95	35.57	74.00	22.07	V
17995.600	51.89	-29.59	45.95	35.53	74.00	22.11	V
13687.450	49.35	-30.98	41.00	39.33	68.20	18.85	V
13705.600	49.20	-30.98	41.00	39.18	68.20	19.00	H
5735.715	57.68	-27.47	34.10	51.05	68.20	10.52	V
5735.470	57.36	-27.47	34.10	50.73	68.20	10.84	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)
17945.000	52.57	-29.59	45.95	36.21	74.00	21.43	V
17488.500	52.19	-29.07	44.55	36.71	68.20	16.01	H
13760.600	49.53	-31.18	41.10	39.61	68.20	18.67	H
13742.450	49.43	-31.18	41.10	39.51	68.20	18.77	V
11417.050	49.35	-32.58	39.00	42.93	74.00	24.65	V
11431.350	49.25	-32.58	39.00	42.83	74.00	24.75	V

802.11ac-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)
10363.800	54.50	-33.64	38.10	50.04	68.20	13.70	H
10366.550	53.93	-33.64	38.10	49.47	68.20	14.27	H
17997.250	52.33	-29.59	45.95	35.97	74.00	21.67	V
17982.400	51.92	-29.59	45.95	35.56	74.00	22.08	V
5149.120	61.57	-28.00	34.00	55.57	74.00	12.43	V
5149.380	59.73	-28.00	34.00	53.73	74.00	14.27	V

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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)
10394.050	56.50	-33.64	38.10	52.04	68.20	11.70	V
10395.700	55.06	-33.64	38.10	50.60	68.20	13.14	H
17986.250	52.08	-29.59	45.95	35.72	74.00	21.92	H
17585.850	51.86	-29.60	45.15	36.31	68.20	16.34	V
13715.500	49.35	-31.18	41.10	39.43	68.20	18.85	V
14055.400	48.97	-31.31	41.60	38.68	68.20	19.23	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)
10474.900	57.99	-33.87	38.20	53.66	68.20	10.21	V
10478.750	57.36	-33.87	38.20	53.03	68.20	10.84	V
17982.400	51.88	-29.59	45.95	35.52	74.00	22.12	V
17517.650	51.59	-29.07	44.55	36.11	68.20	16.61	V
13628.050	49.51	-31.29	40.90	39.90	68.20	18.69	H
13759.500	49.23	-31.18	41.10	39.31	68.20	18.97	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)
10519.450	58.35	-33.31	38.20	53.46	68.20	9.85	V
10517.800	58.12	-33.31	38.20	53.23	68.20	10.08	V
17504.450	52.09	-29.07	44.55	36.61	68.20	16.11	V
17630.950	52.00	-29.60	45.40	36.20	68.20	16.20	V
13802.950	49.87	-30.98	41.20	39.65	68.20	18.33	H
13808.450	49.32	-30.98	41.20	39.10	68.20	18.88	V

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Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10560.150	57.38	-33.72	38.25	52.85	68.20	10.82	V
10562.350	57.08	-33.72	38.25	52.55	68.20	11.12	V
17626.000	51.76	-29.60	45.40	35.96	68.20	16.44	H
17987.350	51.76	-29.59	45.95	35.40	74.00	22.24	V
13640.150	48.93	-31.29	40.90	39.32	68.20	19.27	H
13709.450	48.90	-30.98	41.00	38.88	68.20	19.30	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)
10633.850	57.63	-33.58	38.30	52.91	74.00	16.37	H
10637.700	56.66	-33.58	38.30	51.94	74.00	17.34	H
17926.850	52.10	-29.59	45.95	35.74	74.00	21.90	V
17965.350	51.83	-29.59	45.95	35.47	74.00	22.17	H
5350.624	59.14	-27.82	34.20	52.76	74.00	14.86	V
5351.360	58.73	-27.82	34.20	52.35	74.00	15.27	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)
11000.150	53.93	-33.10	38.60	48.43	74.00	20.07	V
10997.950	53.19	-33.10	38.60	47.69	74.00	20.81	V
17590.250	51.77	-29.60	45.15	36.22	68.20	16.43	H
17623.800	51.72	-29.60	45.40	35.92	68.20	16.48	H
5428.135	51.66	-27.94	34.30	45.30	74.00	22.34	V
5460.175	52.97	-27.49	34.20	46.26	68.20	15.23	V

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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)
17946.650	51.76	-29.59	45.95	35.40	74.00	22.24	V
17545.700	51.73	-29.39	44.90	36.23	68.20	16.47	V
14154.950	49.19	-30.93	41.70	38.41	68.20	19.01	H
13757.300	49.13	-31.18	41.10	39.21	68.20	19.07	H
11200.900	48.95	-32.42	38.60	42.77	74.00	25.05	H
11194.850	48.59	-32.42	38.60	42.41	74.00	25.41	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)
17615.000	52.68	-29.60	45.15	37.13	68.20	15.52	H
17670.000	52.17	-29.60	45.40	36.37	68.20	16.03	H
11401.100	51.91	-32.58	39.00	45.49	74.00	22.09	V
11402.200	51.33	-32.58	39.00	44.91	74.00	22.67	H
5726.948	61.20	-27.47	34.10	54.57	68.20	7.00	V
5727.858	61.08	-27.47	34.10	54.45	68.20	7.12	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)
17908.150	52.74	-29.59	45.95	36.38	74.00	21.26	H
17428.000	52.37	-28.70	44.20	36.87	68.20	15.83	H
11438.500	51.93	-33.09	39.05	45.97	74.00	22.07	V
11433.000	51.60	-32.58	39.00	45.18	74.00	22.40	V
13585.150	49.85	-31.27	40.80	40.32	68.20	18.35	V
14202.800	49.54	-30.42	41.70	38.26	68.20	18.66	V

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802.11ac-HT40

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)
10377.000	52.24	-33.64	38.10	47.78	68.20	15.96	H
17596.850	52.17	-29.60	45.15	36.62	68.20	16.03	V
10388.000	52.00	-33.64	38.10	47.54	68.20	16.20	H
17978.550	51.80	-29.59	45.95	35.44	74.00	22.20	V
5149.700	62.45	-28.00	34.00	56.45	74.00	11.55	V
5146.500	61.81	-27.79	34.00	55.60	74.00	12.19	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)
10459.500	53.60	-33.87	38.20	49.27	68.20	14.60	V
10458.400	53.26	-33.87	38.20	48.93	68.20	14.94	H
17984.600	52.32	-29.59	45.95	35.96	74.00	21.68	H
17990.650	52.06	-29.59	45.95	35.70	74.00	21.94	H
14133.500	49.29	-30.93	41.70	38.51	68.20	18.91	H
14695.600	49.19	-30.04	41.50	37.73	68.20	19.01	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)
10539.800	56.82	-33.31	38.20	51.93	68.20	11.38	H
10538.150	55.46	-33.31	38.20	50.57	68.20	12.74	V
17583.650	52.44	-29.60	45.15	36.89	68.20	15.76	H
17613.350	52.08	-29.60	45.15	36.53	68.20	16.12	V
13722.650	49.67	-31.18	41.10	39.75	68.20	18.53	V
13600.000	49.51	-31.27	40.80	39.98	68.20	18.69	H

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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)
10609.100	55.56	-33.58	38.30	50.84	74.00	18.44	V
10630.550	52.77	-33.58	38.30	48.05	74.00	21.23	V
17428.550	51.86	-28.70	44.20	36.36	68.20	16.34	V
17989.550	51.84	-29.59	45.95	35.48	74.00	22.16	H
5357.728	59.58	-27.82	34.20	53.20	74.00	14.42	V
5350.992	59.07	-27.82	34.20	52.69	74.00	14.93	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)
17952.700	52.28	-29.59	45.95	35.92	74.00	21.72	H
17942.250	52.14	-29.59	45.95	35.78	74.00	21.86	H
13734.200	49.91	-31.18	41.10	39.99	68.20	18.29	V
13695.150	49.45	-30.98	41.00	39.43	68.20	18.75	H
5458.900	55.65	-27.49	34.20	48.94	74.00	18.35	V
5469.595	62.38	-27.49	34.20	55.67	68.20	5.82	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)
17494.550	52.34	-29.07	44.55	36.86	68.20	15.86	H
17601.250	52.31	-29.60	45.15	36.76	68.20	15.89	H
13669.300	49.90	-30.98	41.00	39.88	68.20	18.30	H
14070.800	49.53	-30.20	41.70	38.03	68.20	18.67	V
11177.250	48.84	-32.61	38.60	42.85	74.00	25.16	V
11180.000	48.22	-32.61	38.60	42.23	74.00	25.78	V

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Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.700	52.44	-29.59	45.95	36.08	74.00	21.56	H
17585.850	52.28	-29.60	45.15	36.73	68.20	15.92	V
13815.050	49.97	-30.20	41.25	38.92	68.20	18.23	H
13640.150	49.51	-31.29	40.90	39.90	68.20	18.69	V
5726.458	54.89	-27.47	34.10	48.26	68.20	13.31	V
5728.102	54.09	-27.47	34.10	47.46	68.20	14.11	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)
17965.900	52.26	-29.59	45.95	35.90	74.00	21.74	H
17997.250	52.25	-29.59	45.95	35.89	74.00	21.75	H
13731.450	50.04	-31.18	41.10	40.12	68.20	18.16	H
13741.350	49.25	-31.18	41.10	39.33	68.20	18.95	V
11402.750	48.89	-32.58	39.00	42.47	74.00	25.11	H
11432.450	48.65	-32.58	39.00	42.23	74.00	25.35	V

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10421.000	52.01	-33.66	38.20	47.47	68.20	16.19	H
17333.950	51.69	-28.74	43.40	37.03	68.20	16.51	V
10420.450	51.60	-33.66	38.20	47.06	68.20	16.60	H
17596.300	51.48	-29.60	45.15	35.93	68.20	16.72	H
5149.480	63.95	-28.00	34.00	57.95	74.00	10.05	V
5148.800	63.63	-28.00	34.00	57.63	74.00	10.37	V

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Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10580.500	55.31	-33.72	38.25	50.78	68.20	12.89	H
10581.050	54.88	-33.72	38.25	50.35	68.20	13.32	H
17975.250	52.20	-29.59	45.95	35.84	74.00	21.80	V
17986.250	52.10	-29.59	45.95	35.74	74.00	21.90	V
5350.464	60.14	-27.82	34.20	53.76	74.00	13.86	V
5350.768	59.55	-27.82	34.20	53.17	74.00	14.45	V

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17966.450	52.09	-29.59	45.95	35.73	74.00	21.91	H
17577.050	51.96	-29.60	45.15	36.41	68.20	16.24	V
13670.400	49.79	-30.98	41.00	39.77	68.20	18.41	H
14101.050	49.34	-30.20	41.70	37.84	68.20	18.86	V
5459.860	64.91	-27.49	34.20	58.20	74.00	9.09	V
5465.800	65.66	-27.49	34.20	58.95	68.20	2.54	V

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.350	52.89	-29.59	45.95	36.53	74.00	21.11	V
17993.950	52.19	-29.59	45.95	35.83	74.00	21.81	V
13696.250	49.90	-30.98	41.00	39.88	68.20	18.30	H
13736.400	49.55	-31.18	41.10	39.63	68.20	18.65	V
5737.342	58.63	-27.47	34.10	52.00	68.20	9.57	V
5726.860	57.92	-27.47	34.10	51.29	68.20	10.28	V

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Channel 138

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17501.700	52.18	-29.07	44.55	36.70	68.20	16.02	H
17543.500	52.01	-29.39	44.90	36.51	68.20	16.19	H
13800.750	49.93	-30.98	41.20	39.71	68.20	18.27	H
13666.550	49.76	-30.98	41.00	39.74	68.20	18.44	V
11387.900	48.76	-32.58	39.00	42.34	74.00	25.24	H
11397.800	47.54	-32.58	39.00	41.12	74.00	26.46	H

Conclusion: PASS

Band edge compliance

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
802.11n HT40	5190 MHz	Fig.9	P
	5310 MHz	Fig.10	P
	5510 MHz	Fig.11	P
	5670 MHz	Fig.12	P
802.11ac HT20	5180 MHz	Fig.13	P
	5320 MHz	Fig.14	P
	5500 MHz	Fig.15	P
	5700 MHz	Fig.16	P
802.11ac HT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ac HT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P
	5610MHz	Fig.24	P

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Conclusion: PASS

Test graphs as below:

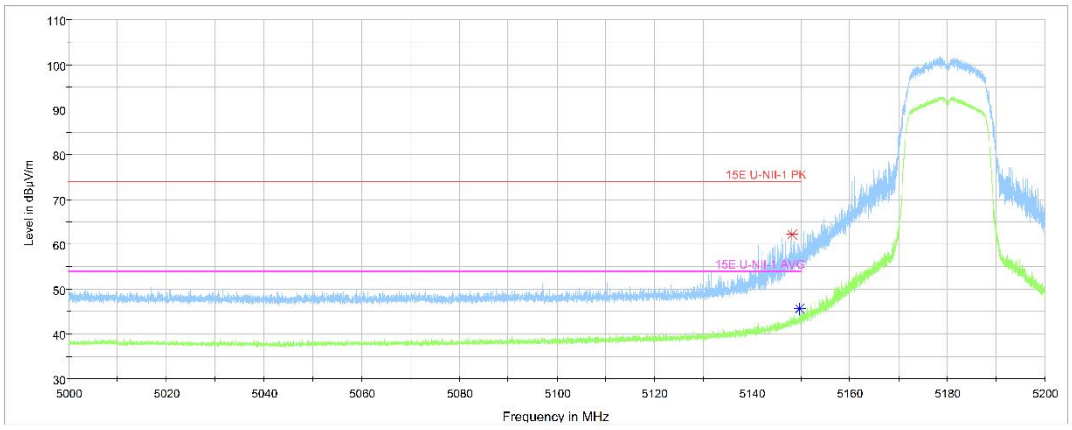


Fig. 1 Band Edges (802.11a Ch36, 5180MHz)

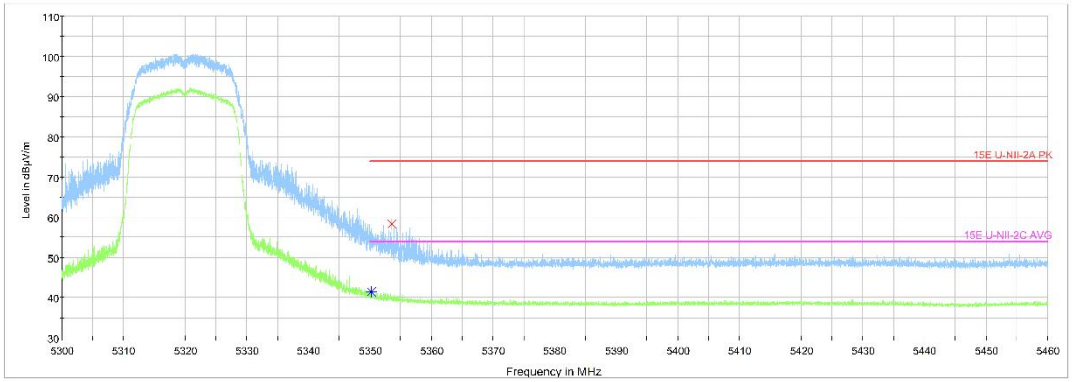


Fig. 2 Band Edges (802.11a Ch64, 5320MHz)

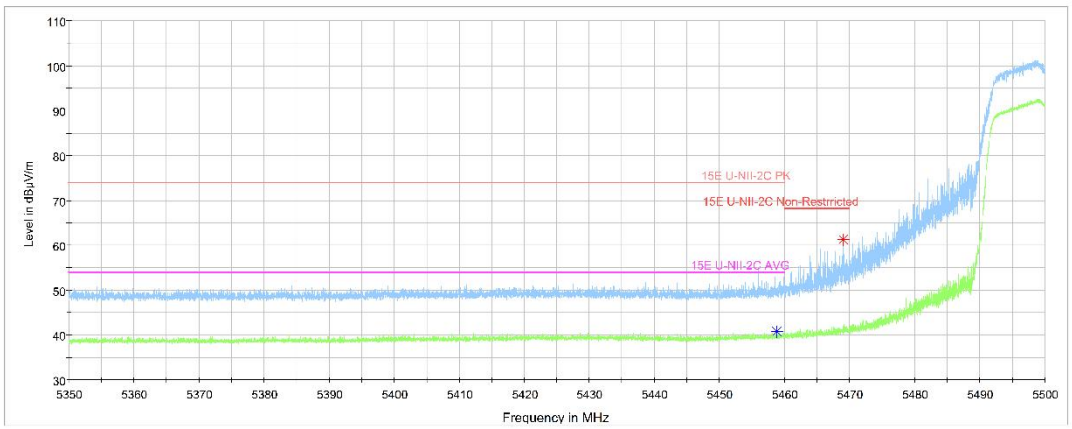


Fig. 3 Band Edges (802.11a Ch100, 5500MHz)

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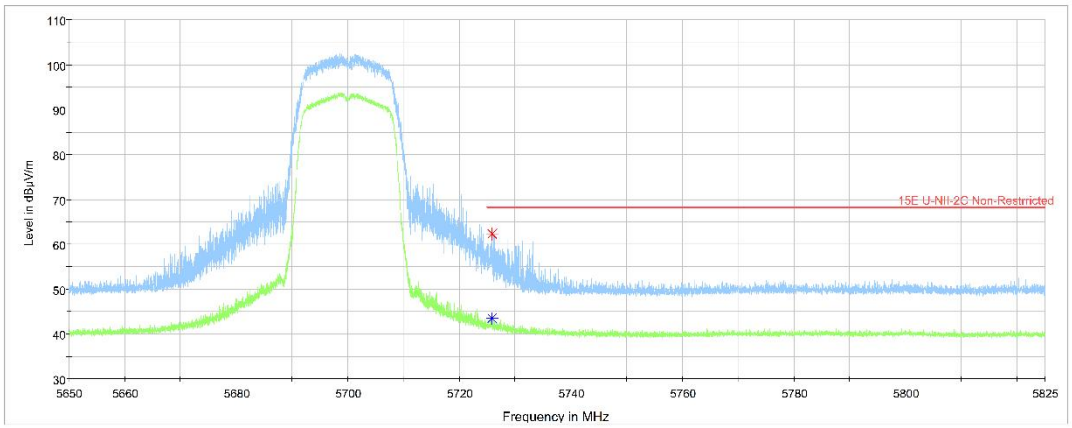


Fig. 4 Band Edges (802.11a Ch140, 5700MHz)

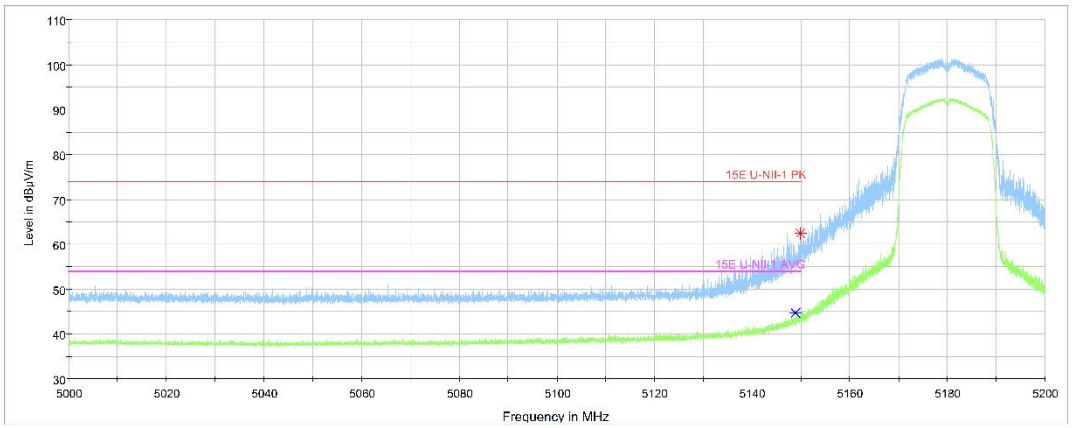


Fig. 5 Band Edges (802.11n-HT20 Ch36, 5180MHz)

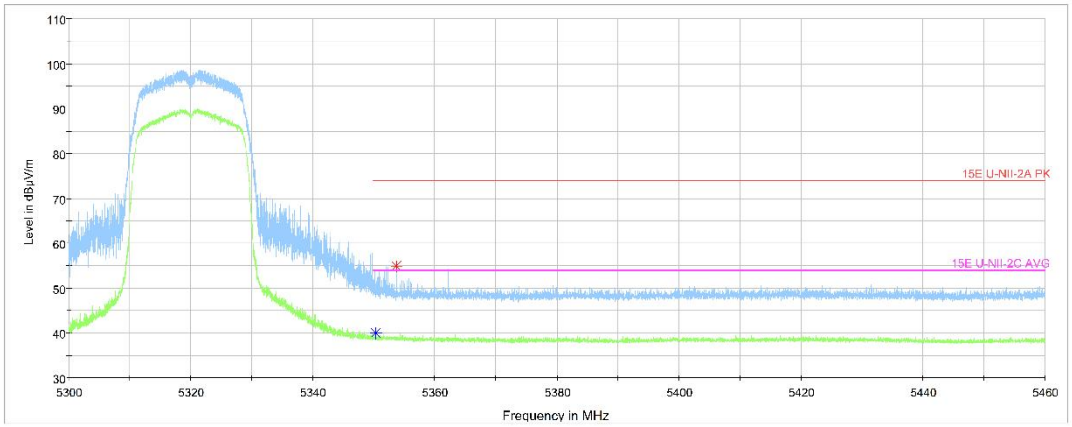


Fig. 6 Band Edges (802.11n-HT20 Ch64, 5320MHz)

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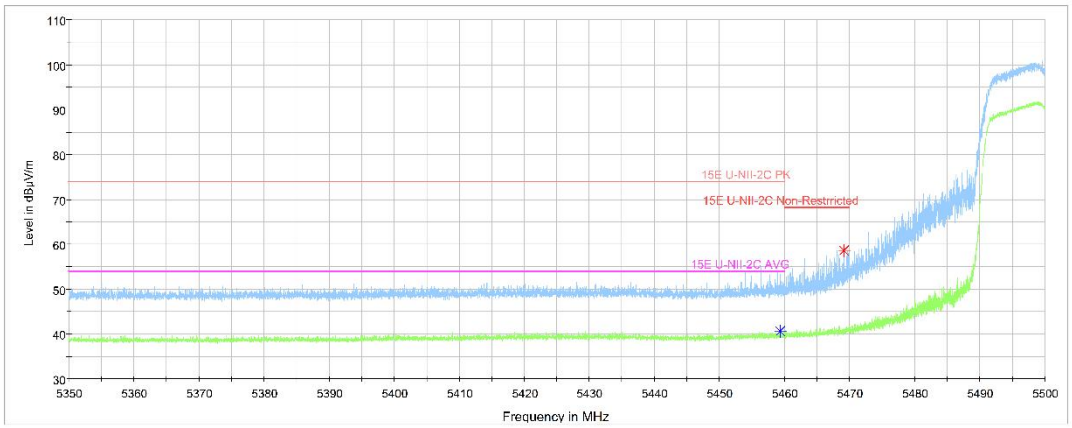


Fig. 7 Band Edges (802.11n-HT20 Ch100, 5500MHz)

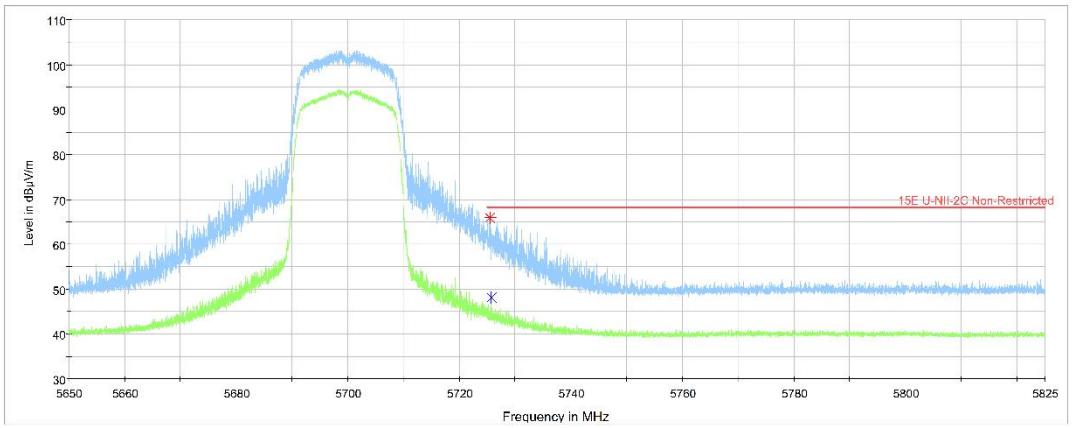


Fig. 8 Band Edges (802.11n-HT20 Ch140, 5700MHz)

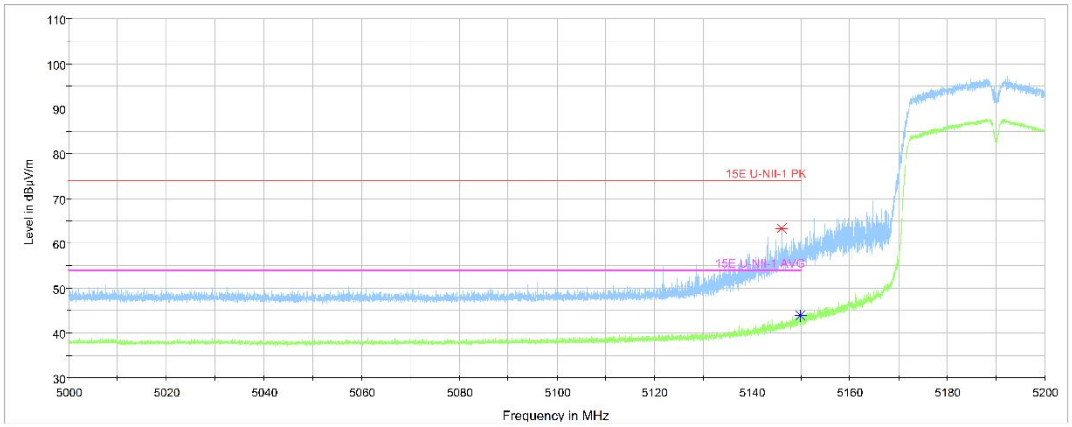


Fig. 9 Band Edges (802.11n-HT40 Ch38, 5190MHz)

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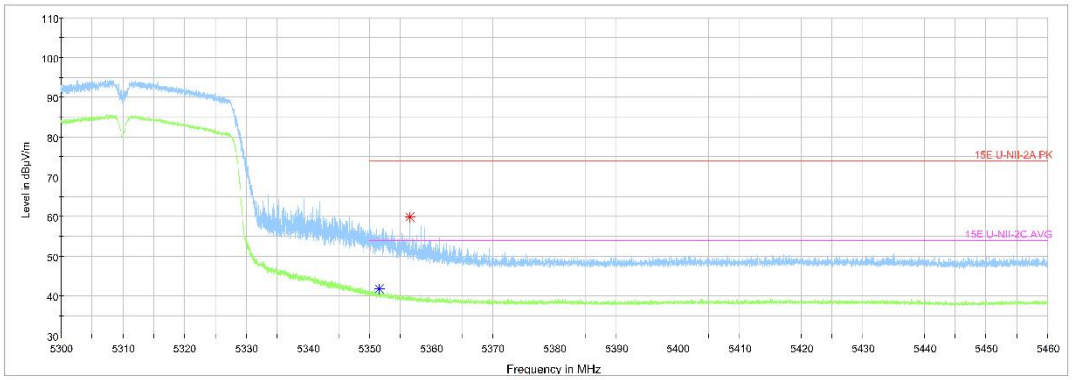


Fig. 10 Band Edges (802.11n-HT40 Ch62, 5310MHz)

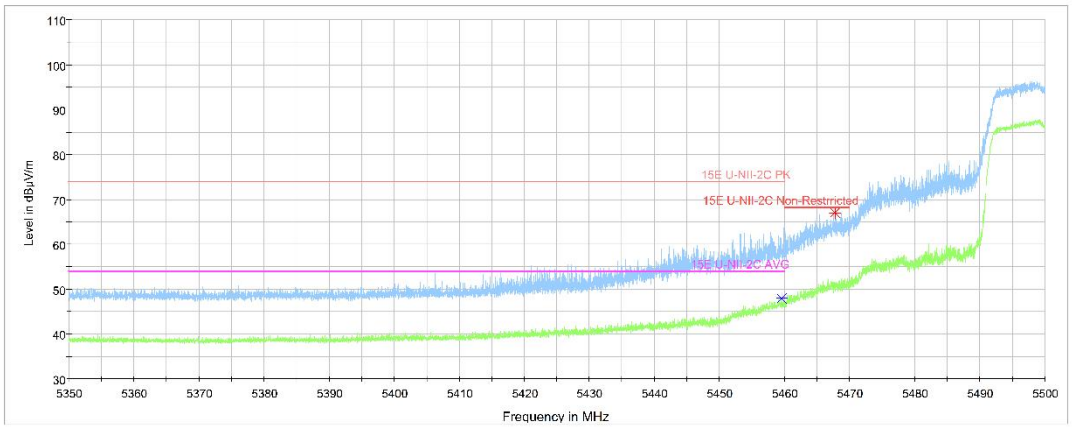


Fig. 11 Band Edges (802.11n-HT40 Ch102, 5510MHz)

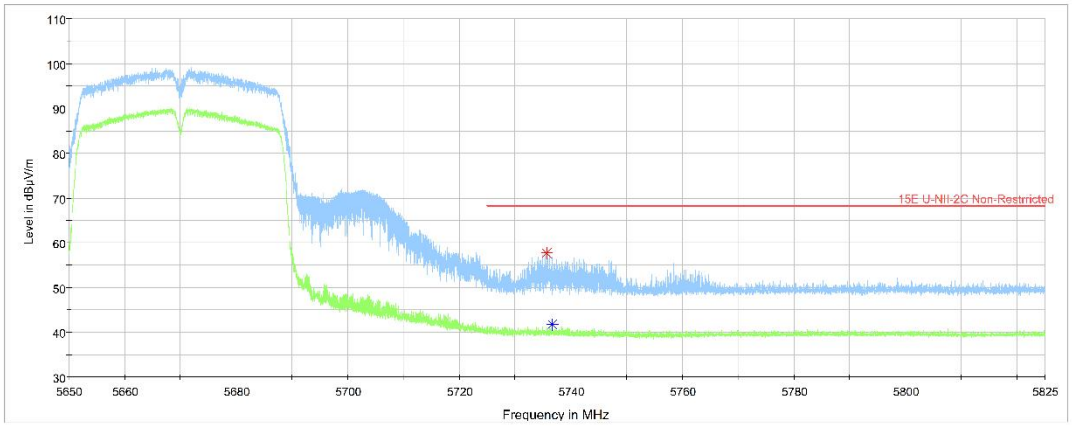


Fig. 12 Band Edges (802.11n-HT40 Ch134, 5670MHz)

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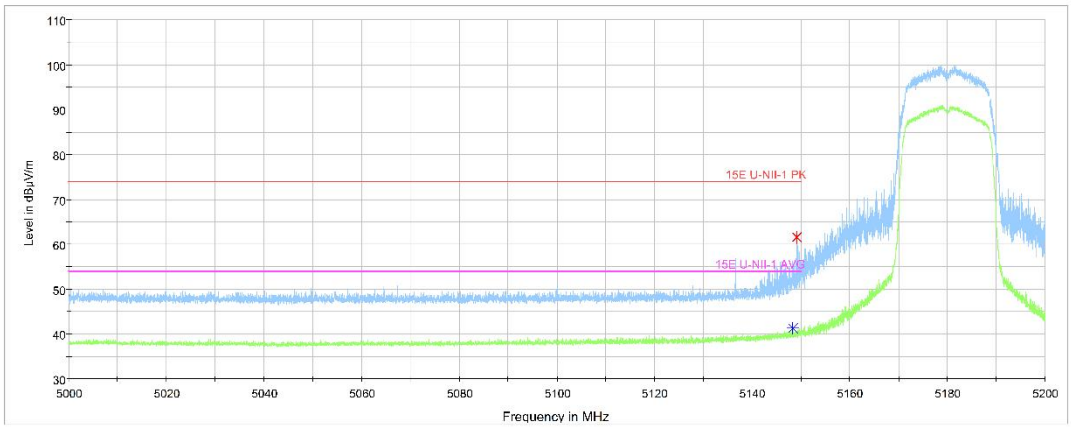


Fig. 13 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

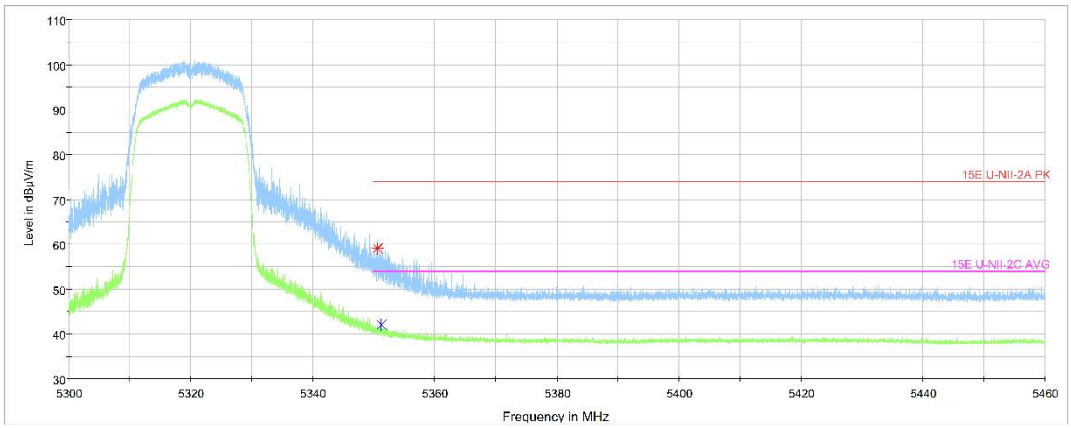


Fig. 14 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

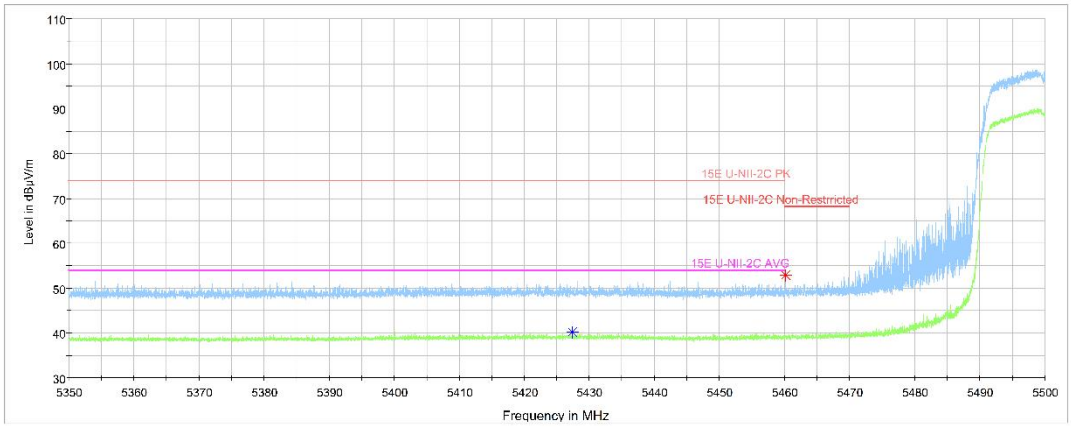


Fig. 15 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

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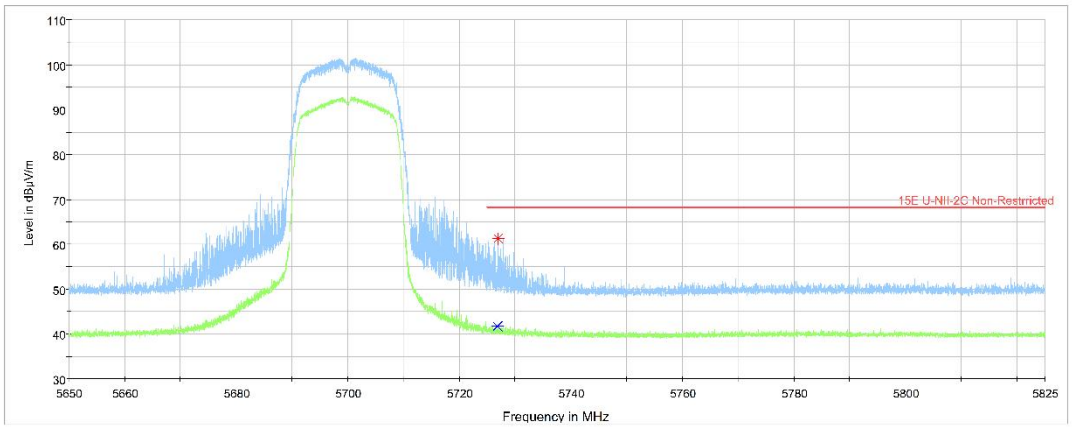


Fig. 16 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

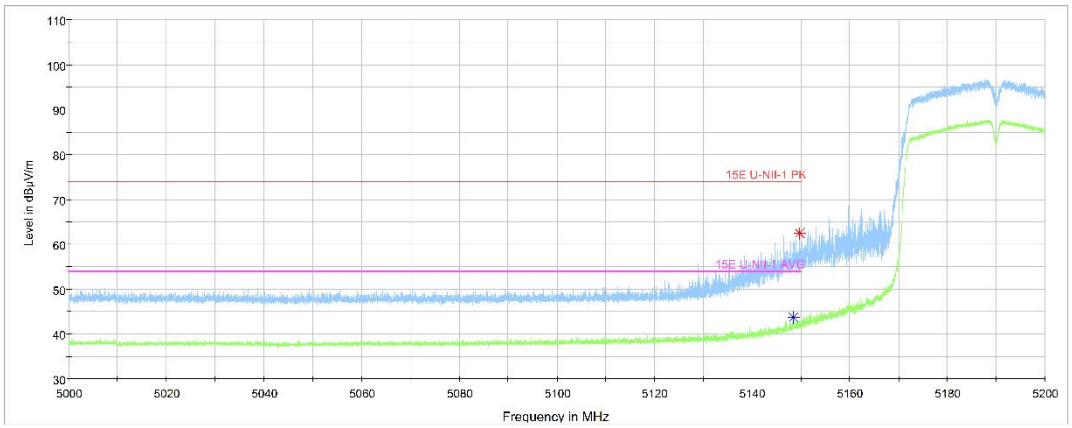


Fig. 17 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

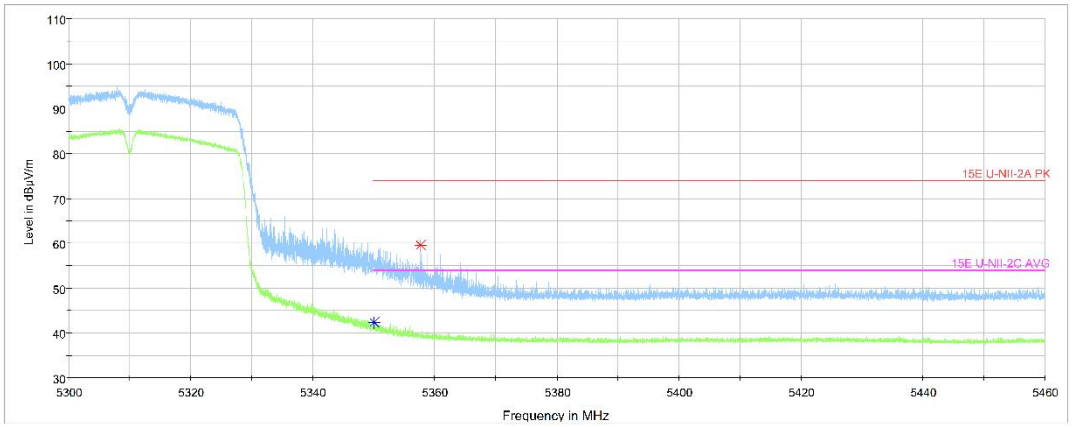


Fig. 18 Band Edges (802.11ac-HT40 Ch62, 5310MHz)

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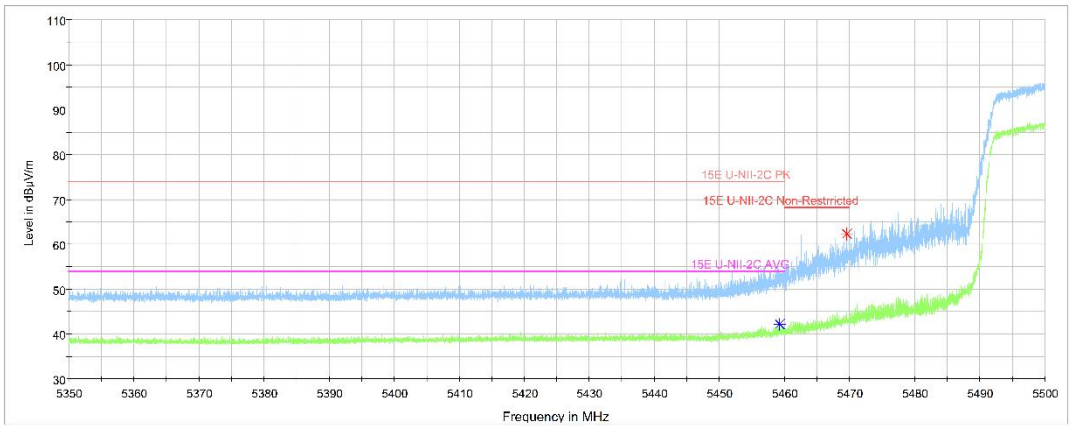


Fig. 19 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

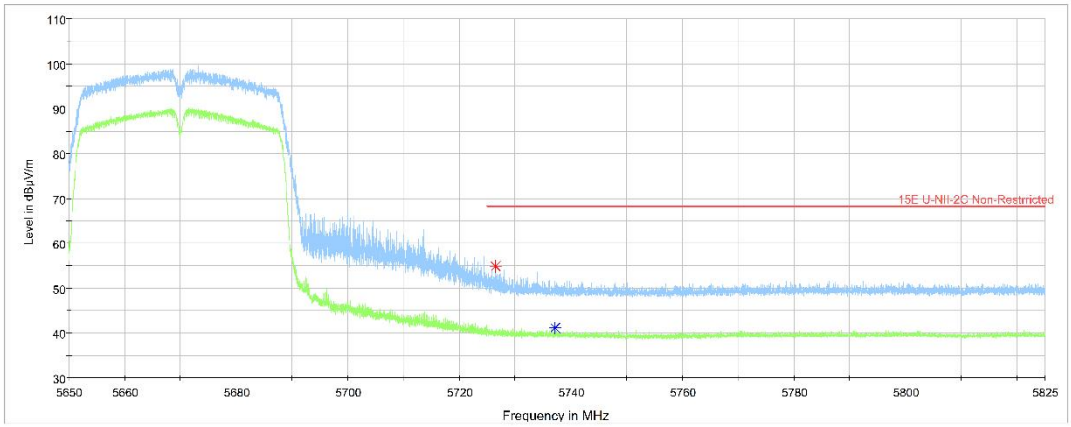


Fig. 20 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

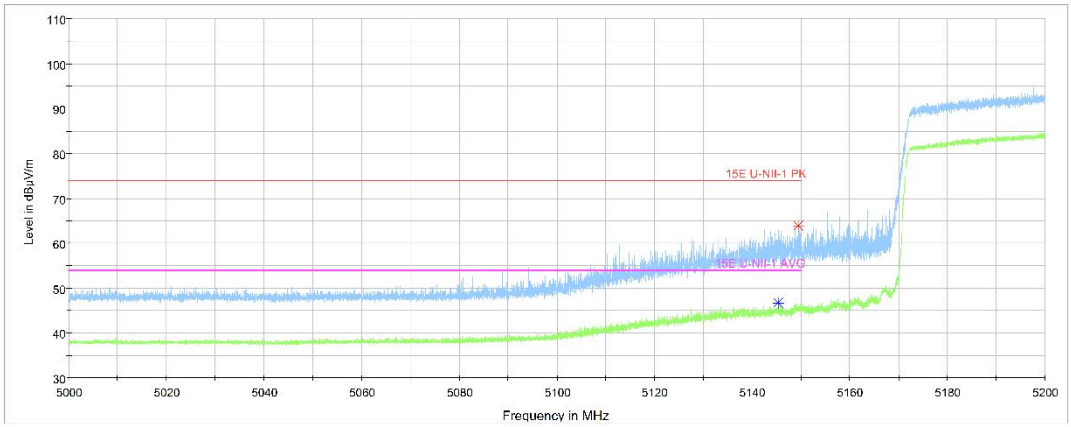


Fig. 21 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

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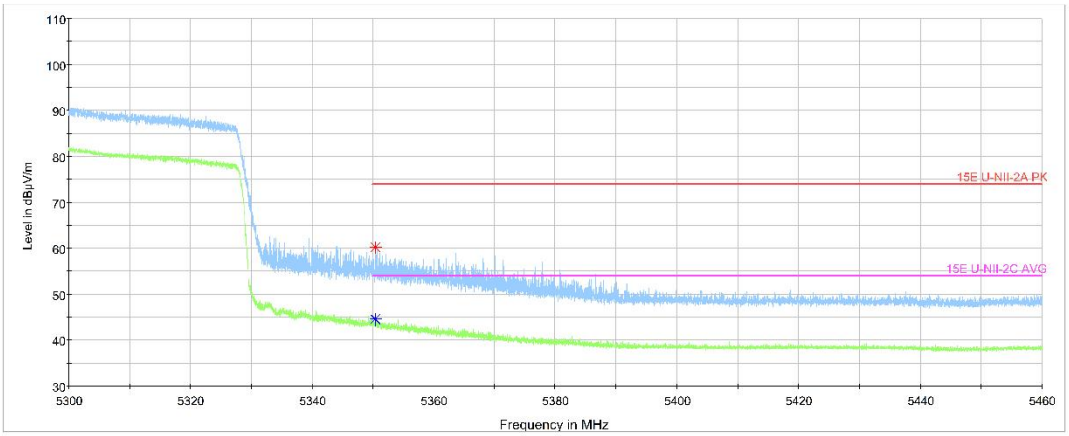


Fig. 22 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

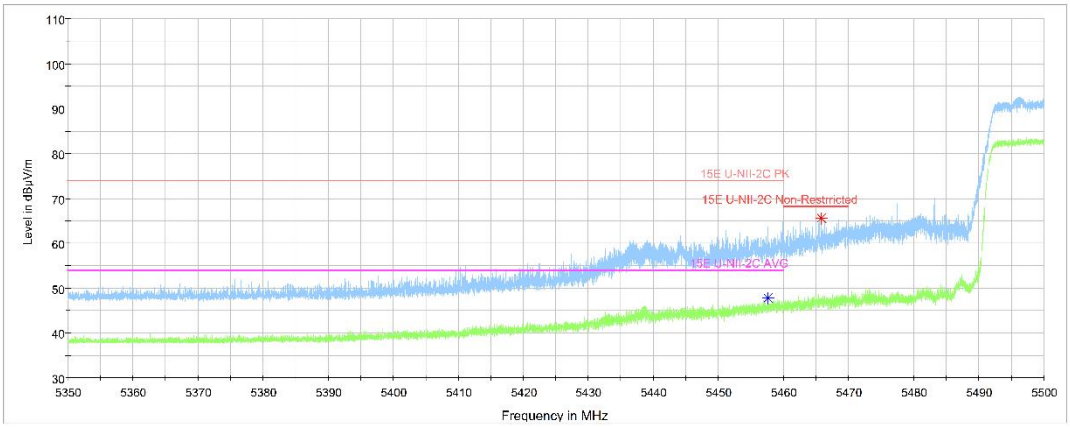


Fig. 23 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

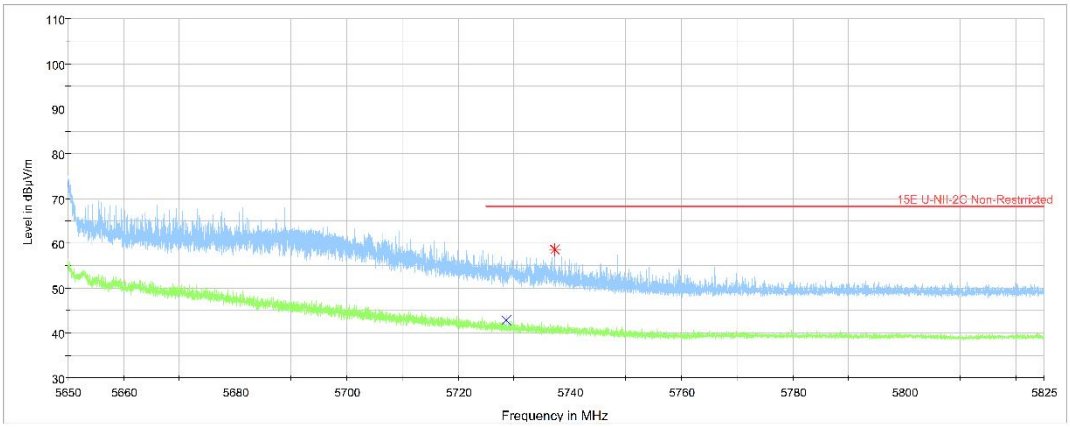


Fig. 24 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

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A.6. AC Powerline Conducted Emission (150kHz- 30MHz)

A.6.1 Summary

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section

A.6.2 Method of Measurement

See Clause 6.2 of ANSI C63.10 specifically.

See Clause 4 and Clause 5 of ANSI C63.10 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.

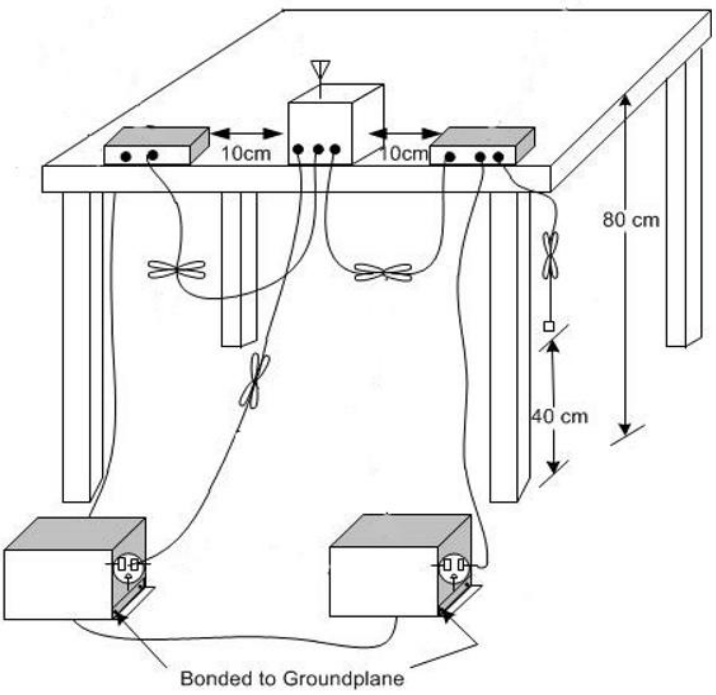
The measurement bandwidth is:

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

A.6.3 Test Condition

Voltage（V）	Frequency（Hz）
120	60

A.6.4 Test setup



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Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.25	Fig.26	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.25	Fig.26	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Conclusion: PASS

Test graphs as below:

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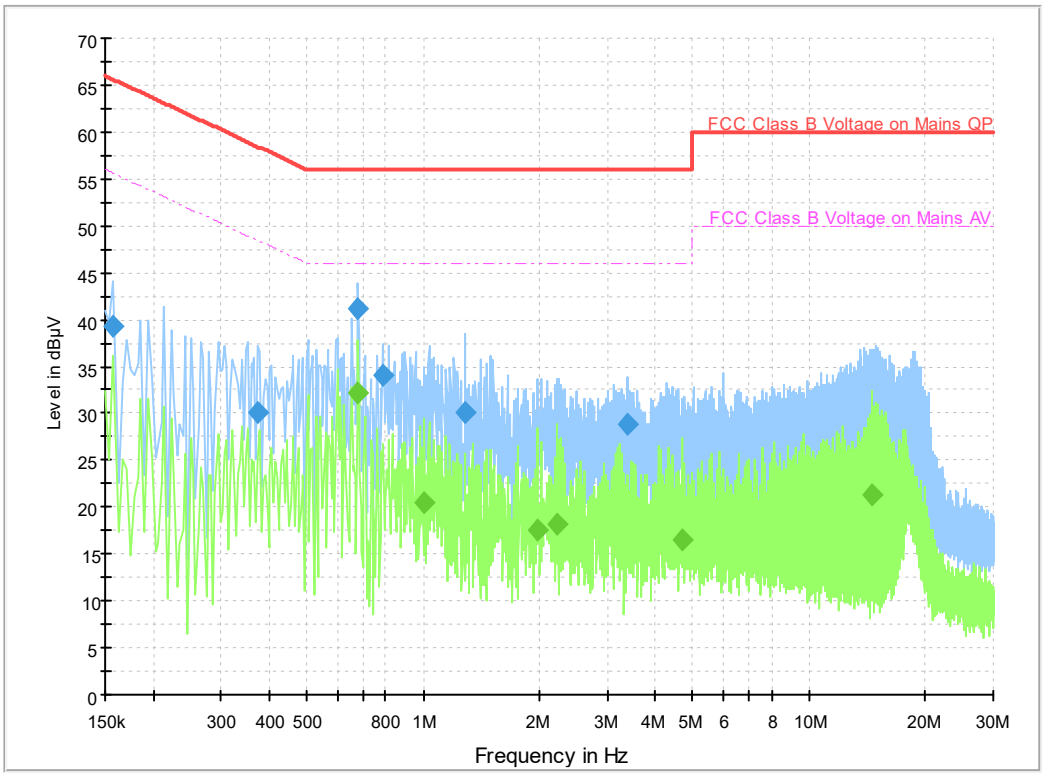


Fig.25 Conducted Emission(802.11a, Ch40, TX)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.158000	39.4	2000.0	9.000	On	L1	19.9	26.2	65.6	
0.374000	30.1	2000.0	9.000	On	N	19.8	28.3	58.4	
0.678000	41.2	2000.0	9.000	On	L1	20.0	14.8	56.0	
0.786000	34.1	2000.0	9.000	On	N	19.8	21.9	56.0	
1.282000	30.1	2000.0	9.000	On	N	19.7	25.9	56.0	
3.386000	28.8	2000.0	9.000	On	L1	19.8	27.2	56.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.678000	32.3	2000.0	9.000	On	L1	20.0	13.7	46.0	
1.010000	20.5	2000.0	9.000	On	L1	19.9	25.5	46.0	
1.982000	17.6	2000.0	9.000	On	L1	19.8	28.4	46.0	
2.222000	18.2	2000.0	9.000	On	L1	19.8	27.8	46.0	
4.694000	16.5	2000.0	9.000	On	L1	19.8	29.5	46.0	
14.498000	21.3	2000.0	9.000	On	L1	20.0	28.7	50.0	

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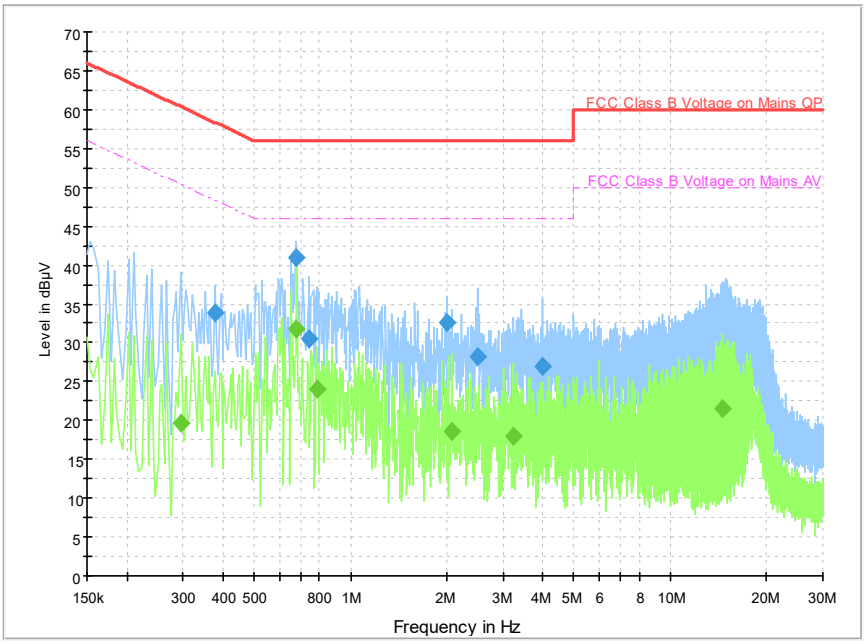


Fig.26 Conducted Emission(802.11a, IDLE)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.378000	33.9	2000.0	9.000	On	L1	19.9	24.5	58.3	
0.678000	41.0	2000.0	9.000	On	L1	20.0	15.0	56.0	
0.742000	30.5	2000.0	9.000	On	N	19.8	25.5	56.0	
1.998000	32.6	2000.0	9.000	On	L1	19.8	23.4	56.0	
2.502000	28.2	2000.0	9.000	On	L1	19.8	27.8	56.0	
4.002000	26.9	2000.0	9.000	On	L1	19.8	29.1	56.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.294000	19.7	2000.0	9.000	On	L1	19.9	30.7	50.4	
0.678000	31.8	2000.0	9.000	On	L1	20.0	14.2	46.0	
0.786000	24.0	2000.0	9.000	On	L1	19.9	22.0	46.0	
2.074000	18.5	2000.0	9.000	On	L1	19.8	27.5	46.0	
3.218000	18.0	2000.0	9.000	On	L1	19.8	28.0	46.0	
14.578000	21.5	2000.0	9.000	On	L1	20.0	28.5	50.0	

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A.7. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

d) Step a) through step c) might require iteration to adjust within the specified range.

e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% ofthe total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

EUT ID: UT07a

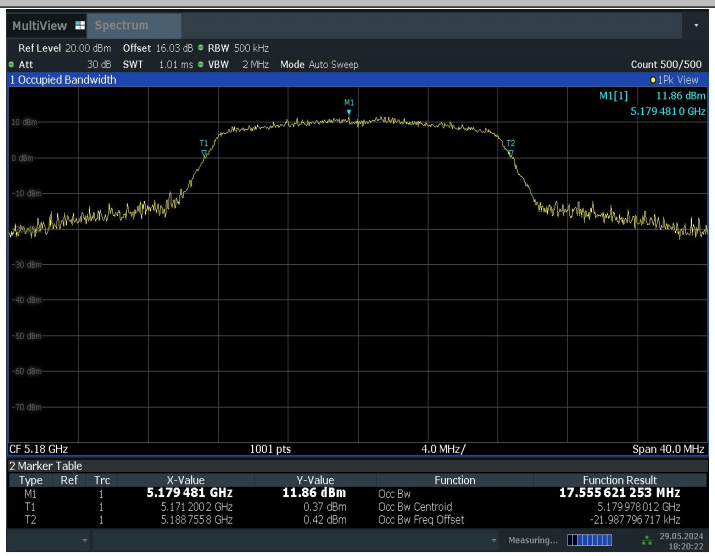
Measurement Result:

TestMode	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	5180	17.556	5171.2002	5188.7558	---	---
	5200	17.363	5191.2545	5208.6175	---	---
	5240	17.452	5231.2577	5248.7093	---	---
11N20SISO	5180	18.486	5170.7191	5189.2053	---	---
	5200	18.285	5190.7787	5209.0642	---	---
	5240	18.33	5230.7848	5249.1147	---	---
11AC40SISO	5190	36.367	5171.7131	5208.0802	---	---
	5230	36.403	5211.7910	5248.1943	---	---
11AC80SISO	5210	75.493	5172.1762	5247.6694	---	---

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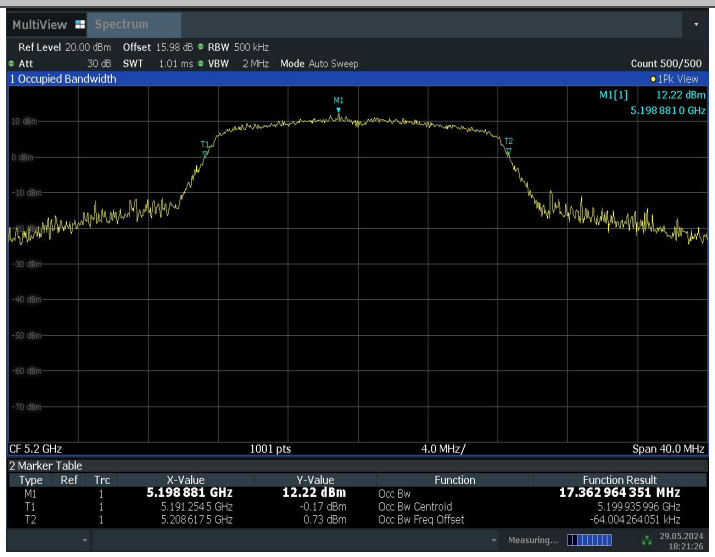
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11A_5180



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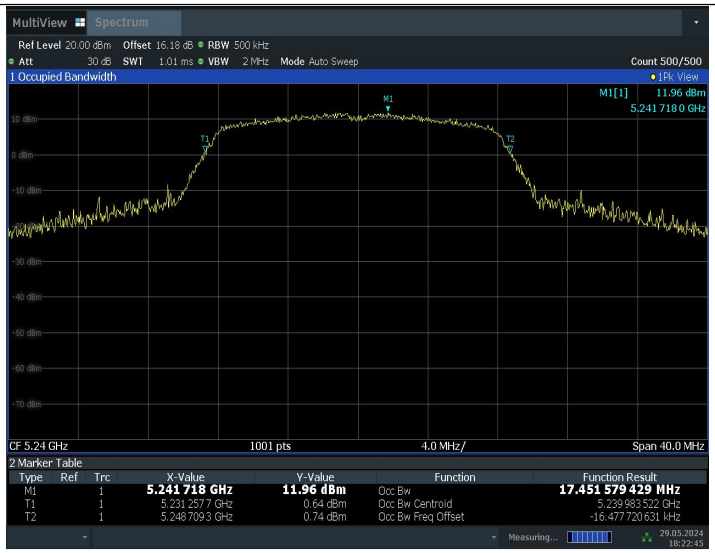
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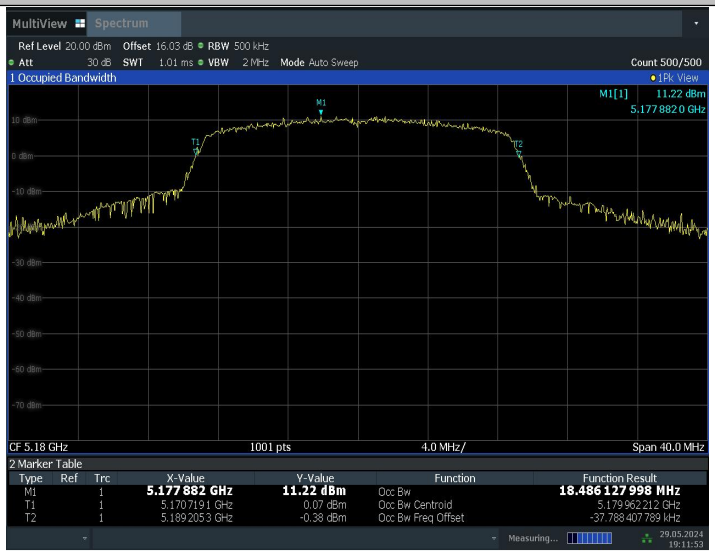
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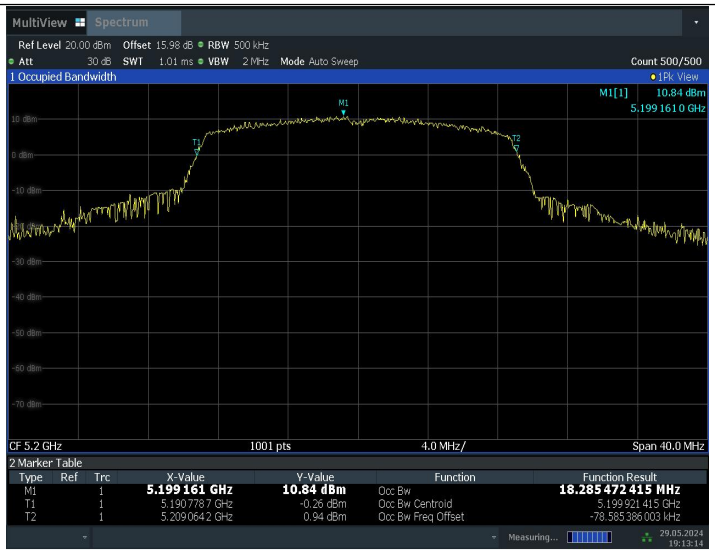
11N20SISO_5180



19:11:54 29.05.2024

11N20SISO_5200

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19:13:14 29.05.2024

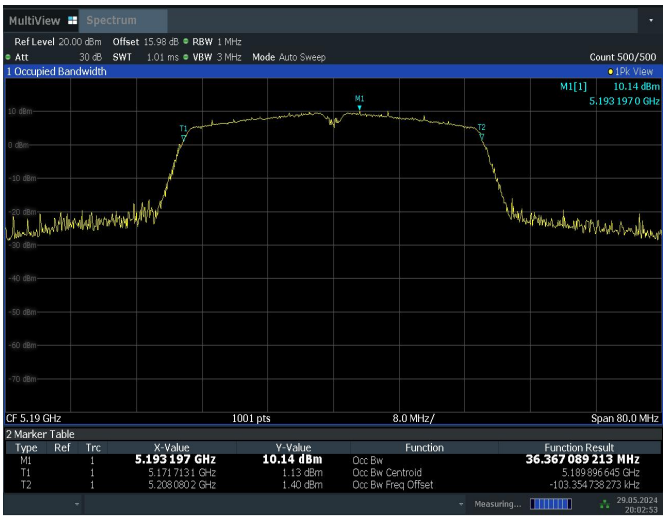
11N20SISO_5240



19:14:21 29.05.2024

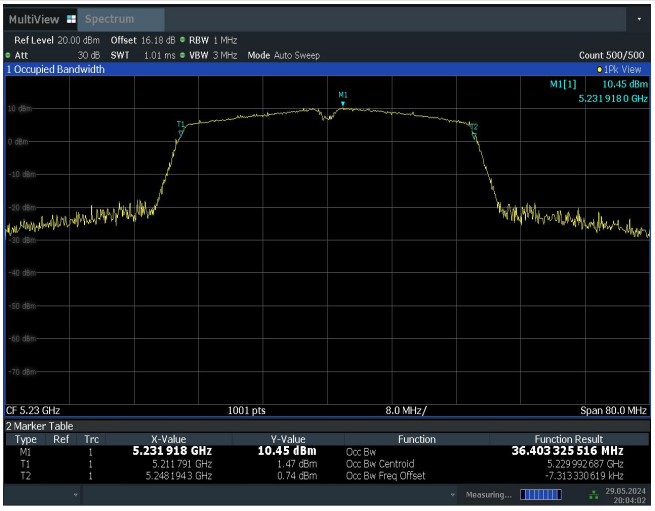
11AC40SISO_5190

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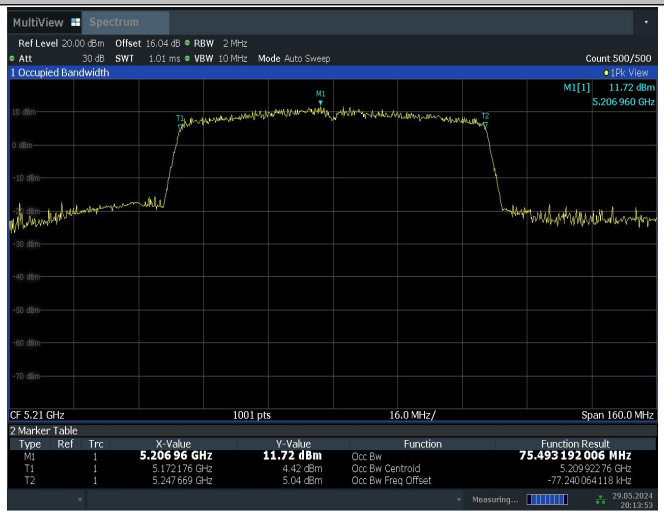
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11AC40SISO_5230



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11AC80SISO_5210



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Conclusion: PASS

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A.8. Antenna Requirement

The antenna of the device is permanently attached. There are no provisions for connection to an external antenna.

The unit complies with the requirement of FCC Part 15.203.

A.9. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500 mW).

ANNEX B: EUT parameters

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

ANNEX C: Accreditation Certificate



ilac-MRA A2LA

Accredited Laboratory

A2LA has accredited

TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 26th day of June 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7049.01
Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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

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