



FCC PART 15E TEST REPORT No.24T04Z100998-010

for

TCL Communication Ltd.

Tablet PC

9465G

FCC ID: 2ACCJB222

with

Hardware Version: 05

Software Version: 6GS2

Issued Date: 2024-06-19

Note:

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

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04Z100998-010	Rev.0	1st edition	2024-06-19

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

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1. Test Laboratory

1.6. 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.

1.7. 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

1.8. Testing Environment

Normal Temperature: 15-35°C

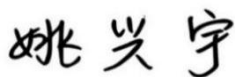
Relative Humidity: 20-75%

1.9. Project date

Testing Start Date: 2024-05-08

Testing End Date: 2024-06-14

1.5. Signature



Yao Xingyu

(Prepared this test report)



Zheng Wei

(Reviewed this test report)



Pang Shuai

(Approved this test report)

2. Client Information

2.6. Applicant Information

Company Name: TCL Communication Ltd.
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Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
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2.7. 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: +86 755 3661 2000-81722

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

3.6. About EUT

Description	Tablet PC
Model name	9465G
FCC ID	2ACCJB222
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

3.7. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT17a	355470610000115	05	6GS2	2024-05-11
UT41a	355470610000404	05	6GS2	2024-05-17
UT101a	355470610001030	05	6GS2	2024-05-17

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

UT17a is used for Conduction test, UT41a and UT101a is used for Radiation test.

3.8. Internal Identification of AE used during the test

AE ID*	Description	Note	Manufacturer
AE1-1	Battery	2853B7PL-2P	Gaoyuan
AE2-1	Charger	UT-681E-5200MY	Shenzhen Baijunda Electronic CO.,Ltd
AE2-2	Charger	UT-681A-5200MY	Shenzhen Baijunda Electronic CO.,Ltd
AE2-3	Charger	UT-681B-5200MY	Shenzhen Baijunda Electronic CO.,Ltd
AE3	USB cable	XB.003.1071.0003	Huizhou Besiter Power Technology Co., Ltd

3.9. 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.

3.10. 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

4.6. Documents supplied by applicant

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

4.7. 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.

6. Test Results

6.6. 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
Band edge compliance (Radiated)	15.209	/	P
Transmitter spurious emissions (Radiated)	15.407	/	P
AC Powerline Conducted Emission (150kHz- 30MHz)	15.407	/	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

6.7. 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.

6.8. 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%

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	2025-05-16
4	Test Receiver	ESCI	100344	R&S	1 year	2025-04-01
5	Attenuator	10dB/2W	/	Rosenberger	/	/
6	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

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No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103023	R&S	2 years	2025-06-08
2	EMI Antenna	HFH2-Z2	829324/00 7	R&S	1 year	2025-01-04
3	EMI Antenna	VULB 9163	01222	SCHWARZBECK	2 years	2025-01-28
4	EMI Antenna	3115	00167250	ETS-Lindgren	1 year	2025-04-11
5	EMI Antenna	3116	2663	ETS-Lindgren	2 years	2024-11-22
6	Bluetooth Tester	CBT	101042	Rohde & Schwarz	2 years	2025-01-15

DBA

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103015	R&S	2 years	2025-01-11
2	EMI Antenna	HFH2-Z2	829324/00 7	R&S	1 year	2025-01-04
3	EMI Antenna	VULB 9163	9163-514	SCHWARZBECK	1 year	2024-09-03
4	EMI Antenna	3115	00146404	ETS-Lindgren	1 year	2025-05-16
5	EMI Antenna	LB-180400 -25-C-KF	211008400 0006	A-INFO	1 year	2025-05-15

Test software information(HL)		
Test Item	Software	Manufacturer
Conducted emission	EMC32 V8.53.0	R&S

Radiated emission	EMC32 V11.50.00	R&S
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Test software information(BDA)		
Test Item	Software	Manufacturer
Radiated emission	EMC32 V10.60.20	R&S

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)
$30\text{MHz} \leq f \leq 2\text{GHz}$	1.22
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	1.22
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.22
$8\text{GHz} \leq f \leq 12.75\text{GHz}$	1.51
$12.75\text{GHz} \leq f \leq 26\text{GHz}$	1.51
$26\text{GHz} \leq f \leq 40\text{GHz}$	1.59

Radiated (k=2)

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

BDA

Frequency Range	Uncertainty(dB)
$1\text{GHz} \leq f \leq 18\text{GHz}$	5.62

8.6. AC Power-line Conducted Emission

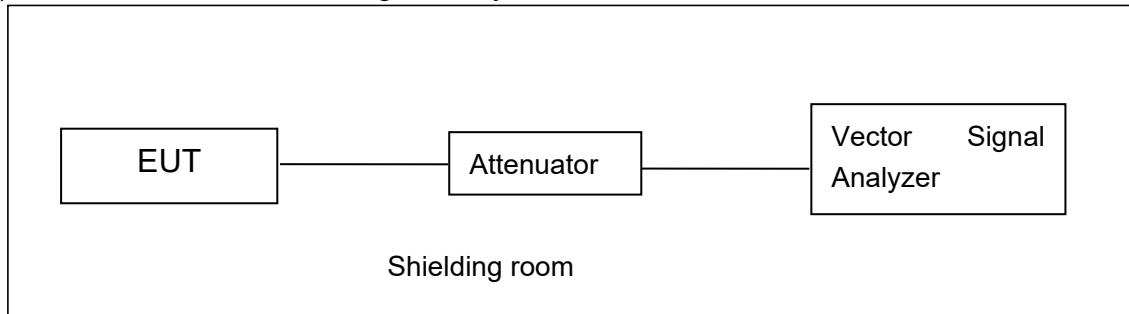
Measurement Uncertainty : 3.08,k=2

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

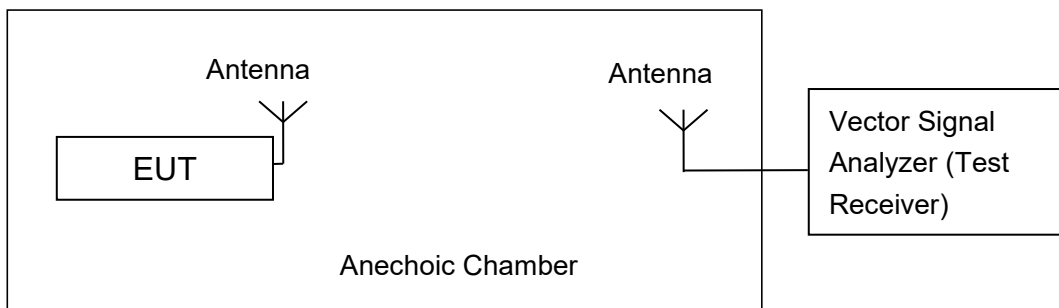


A.1.2. Radiated Emission Measurements

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

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

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 3MHz;



The measurement is made according to KDB 789033

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

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 measurement method 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: UT17a

Measurement Results:

802.11a mode

Mode	Frequency	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz	17.30	/	/	/	/	/	/	/
	5200MHz	17.70	/	/	/	/	/	/	/
	5240MHz	17.22	/	/	/	/	/	/	/
	5260MHz	17.02	/	/	/	/	/	/	/
	5280MHz	17.57	/	/	/	/	/	/	/
	5320MHz	17.36	/	/	/	/	/	/	/
	5500MHz	17.55	/	/	/	/	/	/	/
	5580MHz	17.10	/	/	/	/	/	/	/
	5700MHz	17.54	/	/	/	/	/	/	/
	5720MHz	17.35	/	/	/	/	/	/	/

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	17.08	/	/	/	/	/	/	/
	5200MHz	17.39	/	/	/	/	/	/	/
	5240MHz	17.37	/	/	/	/	/	/	/
	5260MHz	17.41	/	/	/	/	/	/	/
	5280MHz	17.31	/	/	/	/	/	/	/
	5320MHz	17.53	/	/	/	/	/	/	/
	5500MHz	17.52	/	/	/	/	/	/	/

	5580MHz	17.45	/	/	/	/	/	/	/
	5700MHz	17.63	/	/	/	/	/	/	/
	5720MHz	17.21	/	/	/	/	/	/	/

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	15.26	/	/	/	/	/	/	/	/
	5200MHz	15.20	/	/	/	/	/	/	/	/
	5240MHz	15.61	/	/	/	/	/	/	/	/
	5260MHz	15.39	/	/	/	/	/	/	/	/
	5280MHz	15.28	/	/	/	/	/	/	/	/
	5320MHz	14.96	/	/	/	/	/	/	/	/
	5500MHz	15.10	/	/	/	/	/	/	/	/
	5580MHz	14.84	/	/	/	/	/	/	/	/
	5700MHz	15.29	/	/	/	/	/	/	/	/
	5720MHz	15.48	/	/	/	/	/	/	/	/

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	15.09	/	/	/	/	/	/	/
	5230MHz	15.31	/	/	/	/	/	/	/
	5270MHz	15.34	/	/	/	/	/	/	/
	5310MHz	15.08	/	/	/	/	/	/	/
	5510MHz	15.70	/	/	/	/	/	/	/
	5550MHz	15.24	/	/	/	/	/	/	/
	5670MHz	15.27	/	/	/	/	/	/	/
	5710MHz	15.20	/	/	/	/	/	/	/

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

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	15.15	/	/	/	/	/	/	/	/	/
	5230MHz	15.45	/	/	/	/	/	/	/	/	/
	5270MHz	15.40	/	/	/	/	/	/	/	/	/
	5310MHz	15.03	/	/	/	/	/	/	/	/	/
	5510MHz	15.60	/	/	/	/	/	/	/	/	/
	5550MHz	15.21	/	/	/	/	/	/	/	/	/
	5670MHz	15.49	/	/	/	/	/	/	/	/	/
	5710MHz	15.38	/	/	/	/	/	/	/	/	/

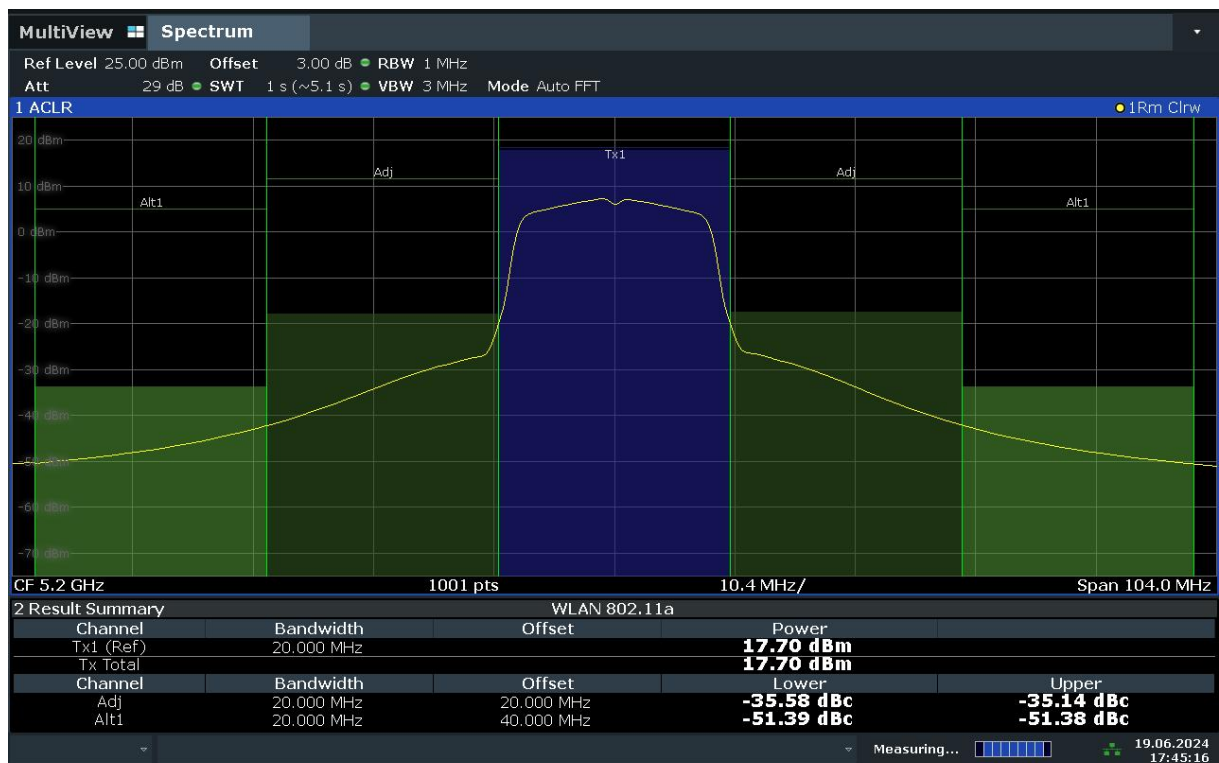
The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

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	14.85	/	/	/	/	/	/	/	/	/
	5290MHz	14.89	/	/	/	/	/	/	/	/	/
	5530MHz	15.55	/	/	/	/	/	/	/	/	/
	5610MHz	14.79	/	/	/	/	/	/	/	/	/
	5690MHz	15.39	/	/	/	/	/	/	/	/	/

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%



17:45:17 19.06.2024

Maximum output Power: 11a CH40

Conclusion: PASS

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

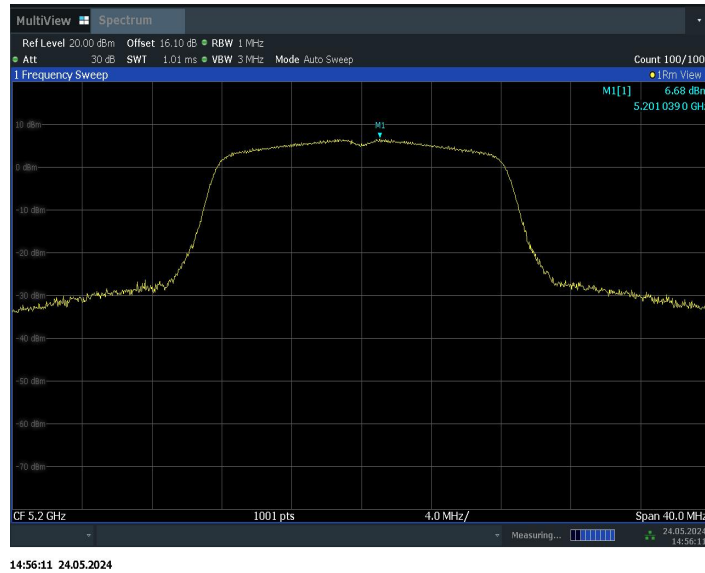
The output power measurement method Section F is made according to KDB 789033

EUT ID: UT17a

Measurement Results:

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	5.44	≤11.00	PASS
	5200	6.68	≤11.00	PASS
	5240	6.22	≤11.00	PASS
	5260	5.82	≤11.00	PASS
	5280	6.54	≤11.00	PASS
	5320	6.11	≤11.00	PASS
	5500	6.37	≤11.00	PASS
	5580	5.94	≤11.00	PASS
	5700	6.54	≤11.00	PASS
	5720	6.04	≤11.00	PASS
11N20SISO	5180	5.60	≤11.00	PASS
	5200	6.27	≤11.00	PASS
	5240	6.42	≤11.00	PASS
	5260	5.98	≤11.00	PASS
	5280	6.72	≤11.00	PASS
	5320	6.13	≤11.00	PASS
	5500	6.42	≤11.00	PASS
	5580	6.02	≤11.00	PASS
	5700	6.61	≤11.00	PASS
	5720	6.89	≤11.00	PASS
11N40SISO	5190	0.84	≤11.00	PASS
	5230	1.20	≤11.00	PASS
	5270	1.00	≤11.00	PASS
	5310	0.66	≤11.00	PASS
	5510	1.53	≤11.00	PASS
	5550	0.84	≤11.00	PASS
	5670	0.99	≤11.00	PASS
	5710	0.99	≤11.00	PASS
11AC80SISO	5210	-1.83	≤11.00	PASS
	5290	-1.69	≤11.00	PASS
	5530	-1.46	≤11.00	PASS

	5610	-2.33	≤ 11.00	PASS
	5690	-1.73	≤ 11.00	PASS



Peak Power Spectral Density:11a CH40

Conclusion: PASS

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
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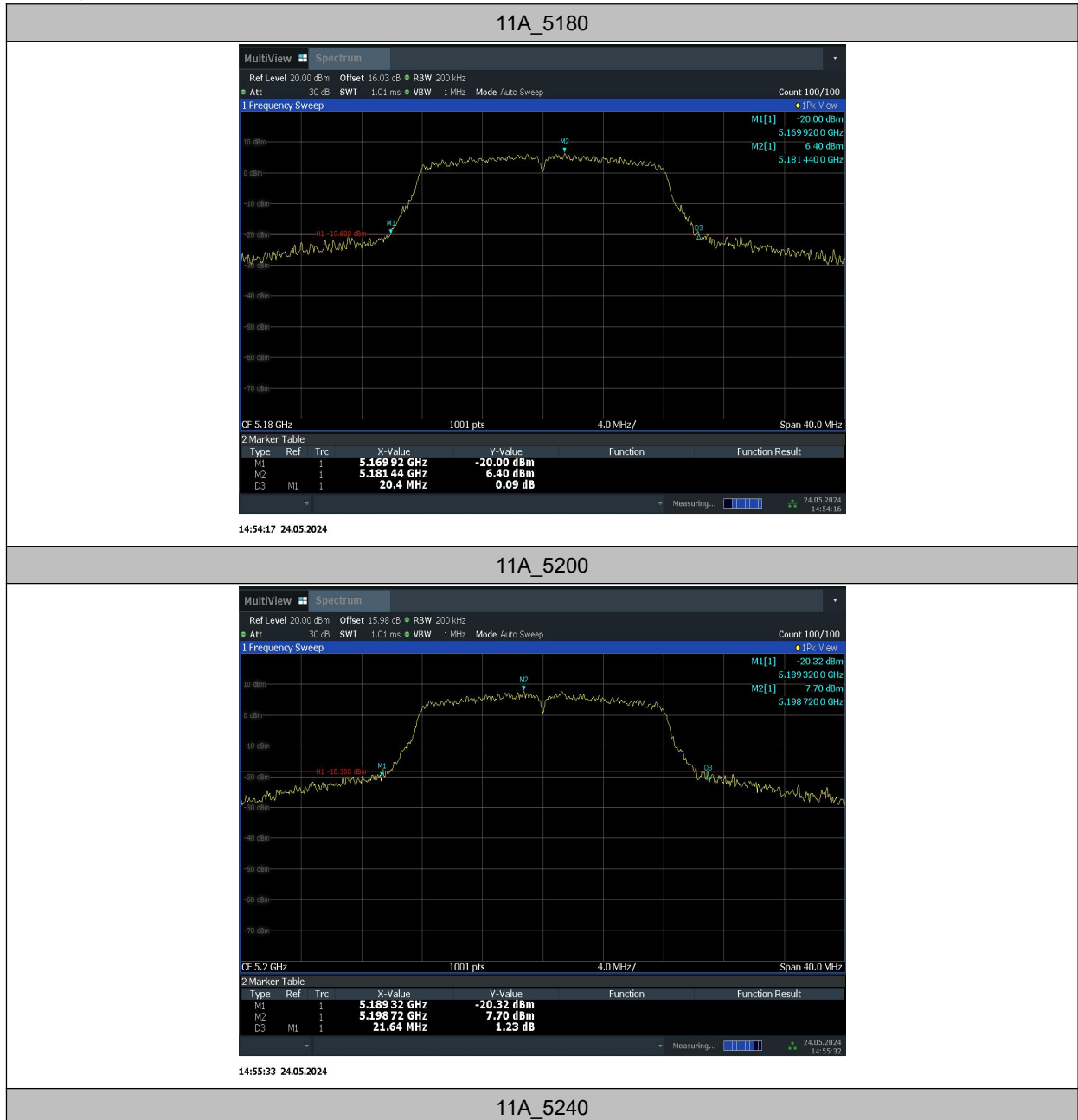
EUT ID: UT17a

Measurement Result:

TestMode	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	5180	20.40	5169.92	5190.32	---	---
	5200	21.64	5189.32	5210.96	---	---
	5240	20.52	5229.76	5250.28	---	---
	5260	21.32	5249.24	5270.56	---	---
	5280	20.08	5269.96	5290.04	---	---
	5320	20.44	5309.92	5330.36	---	---
	5500	20.72	5489.80	5510.52	---	---
	5580	20.08	5569.96	5590.04	---	---
	5700	20.08	5689.92	5710.00	---	---
	5720	20.28	5710.00	5730.28	---	---
11N20SISO	5180	23.52	5169.68	5193.20	---	---
	5200	21.80	5189.64	5211.44	---	---
	5240	23.12	5228.48	5251.60	---	---
	5260	28.88	5245.88	5274.76	---	---
	5280	22.00	5268.24	5290.24	---	---
	5320	21.44	5308.96	5330.40	---	---
	5500	24.24	5488.32	5512.56	---	---
	5580	22.52	5567.68	5590.20	---	---
	5700	20.88	5689.60	5710.48	---	---
	5720	20.44	5709.84	5730.28	---	---
11N40SISO	5190	40.88	5169.60	5210.48	---	---
	5230	40.88	5209.52	5250.40	---	---
	5270	41.20	5249.36	5290.56	---	---
	5310	41.28	5289.36	5330.64	---	---
	5510	40.72	5489.60	5530.32	---	---
	5550	41.36	5529.52	5570.88	---	---
	5670	40.72	5649.60	5690.32	---	---
	5710	41.20	5689.44	5730.64	---	---
11AC80SISO	5210	81.60	5169.20	5250.80	---	---
	5290	81.60	5249.04	5330.64	---	---

	5530	81.12	5489.36	5570.48	---	---
	5610	81.76	5569.04	5650.80	---	---
	5690	81.60	5649.20	5730.80	---	---

Test graphs as below:





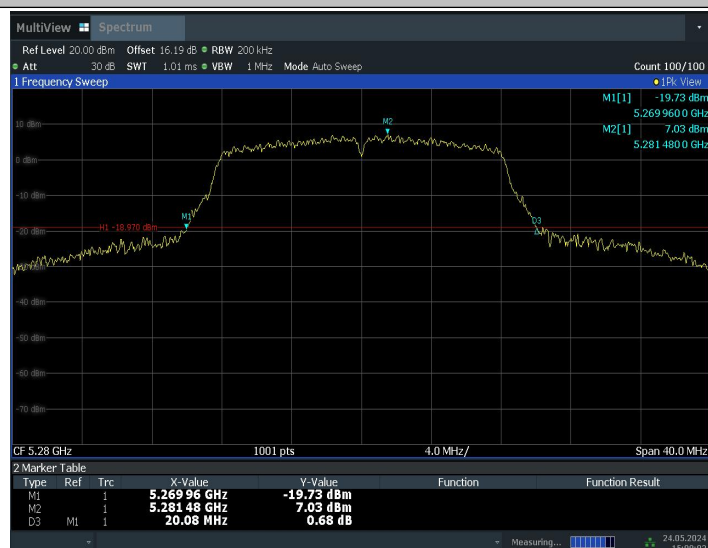
14:57:37 24.05.2024

11A_5260



14:58:51 24.05.2024

11A_5280



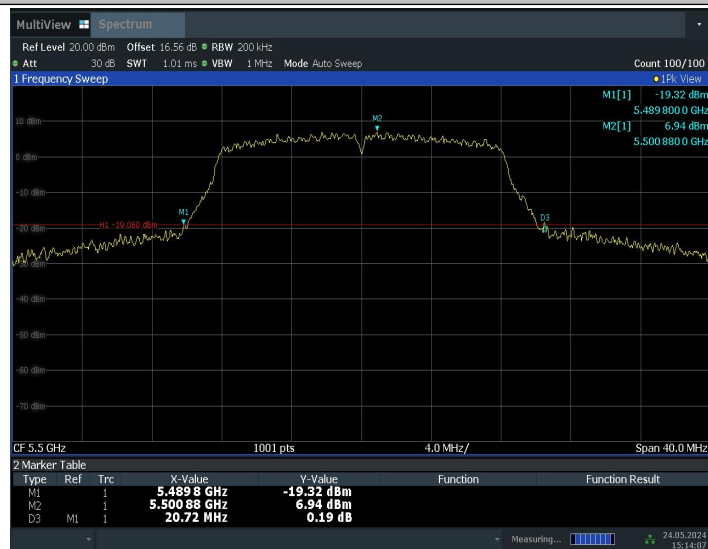
15:00:02 24.05.2024

11A_5320



15:01:18 24.05.2024

11A_5500



15:14:08 24.05.2024

11A_5580



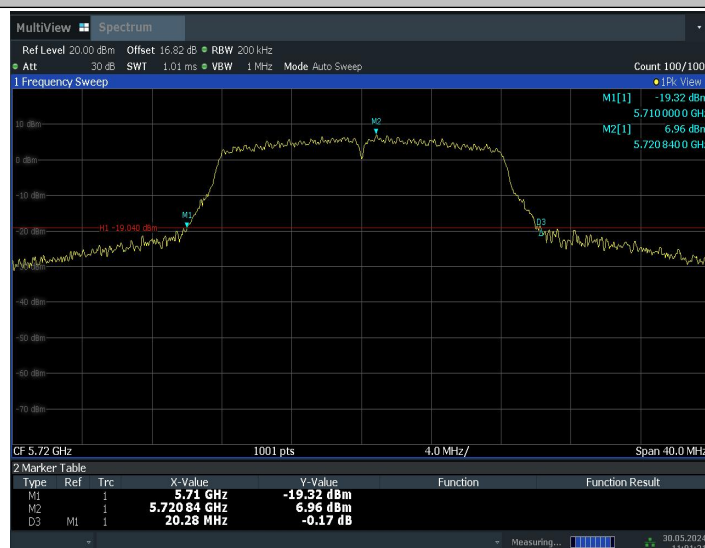
15:15:36 24.05.2024

11A_5700



15:17:13 24.05.2024

11A_5720



11:01:21 30.05.2024

11N20SISO_5180



15:36:43 24.05.2024

11N20SISO_5200



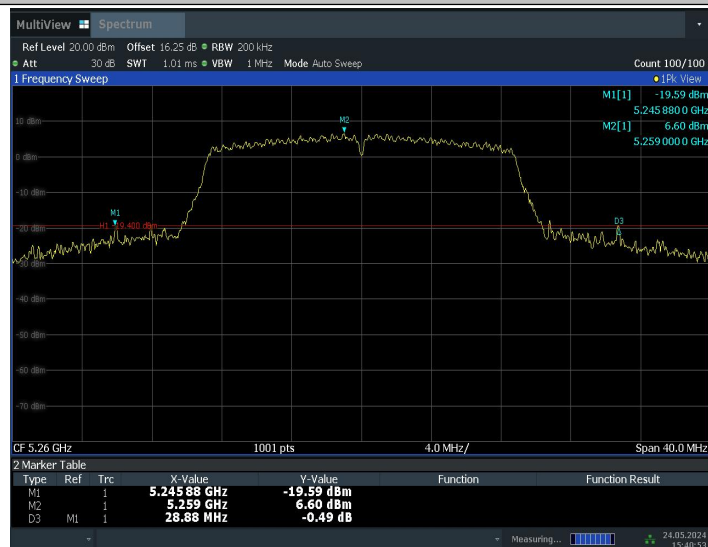
15:37:55 24.05.2024

11N20SISO_5240



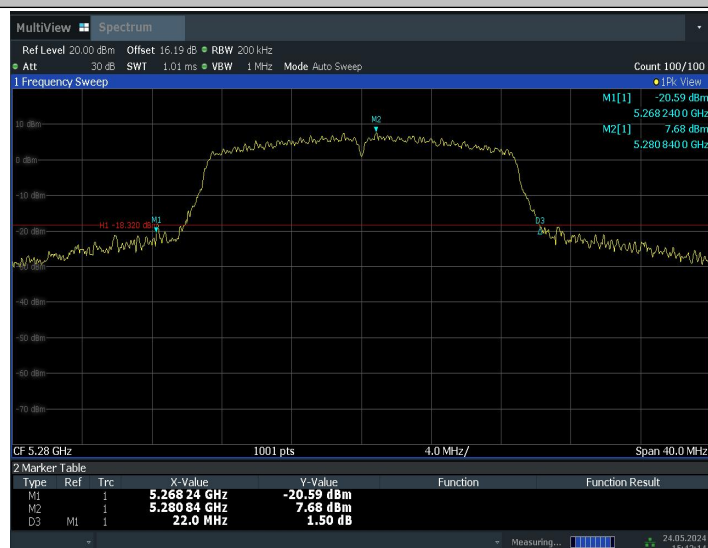
15:39:15 24.05.2024

11N20SISO_5260



15:40:54 24.05.2024

11N20SISO_5280



15:42:14 24.05.2024

11N20SISO_5320



15:44:15 24.05.2024

11N20SISO_5500



15:46:35 24.05.2024

11N20SISO_5580



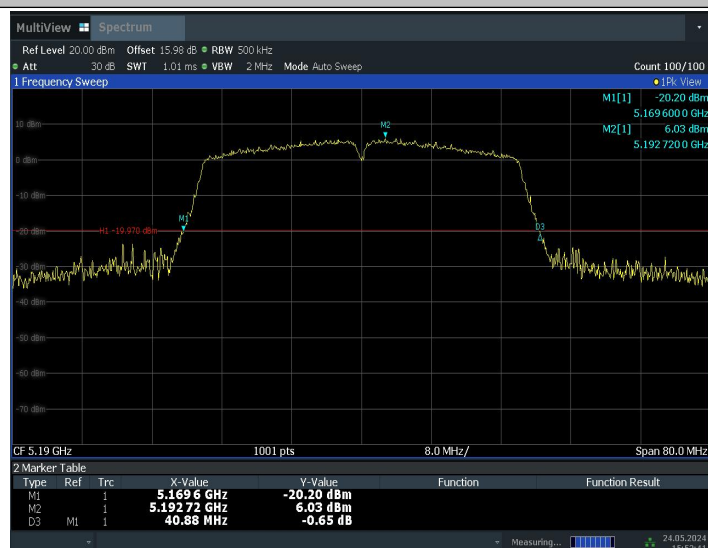
15:47:56 24.05.2024

11N20SISO_5700



15:49:27 24.05.2024

11N40SISO_5190



15:52:42 24.05.2024

11N40SISO_5230



15:53:58 24.05.2024

11N40SISO_5270



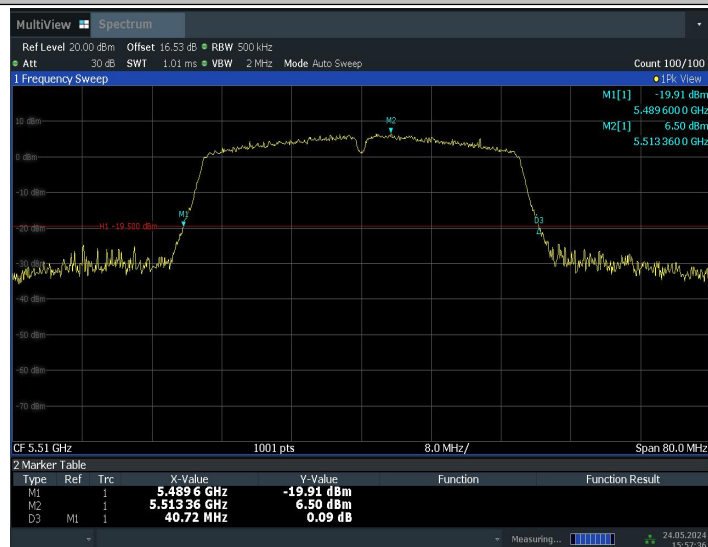
15:55:13 24.05.2024

11N40SISO_5310



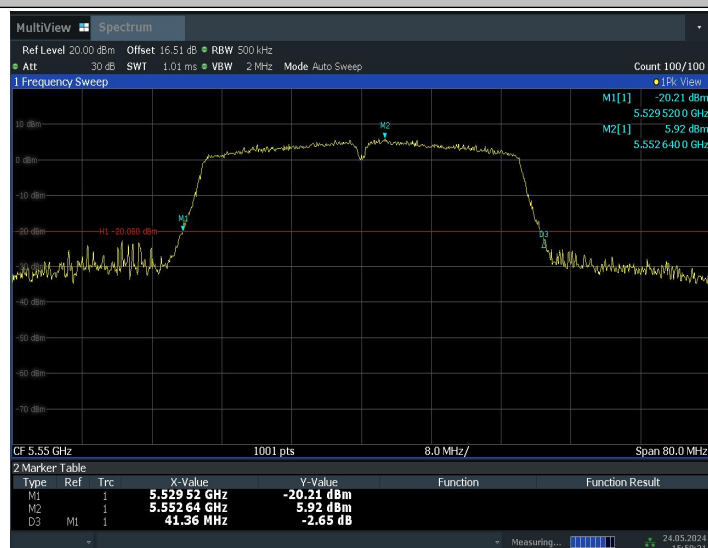
15:56:26 24.05.2024

11N40ISO_5510



15:57:36 24.05.2024

11N40ISO_5550



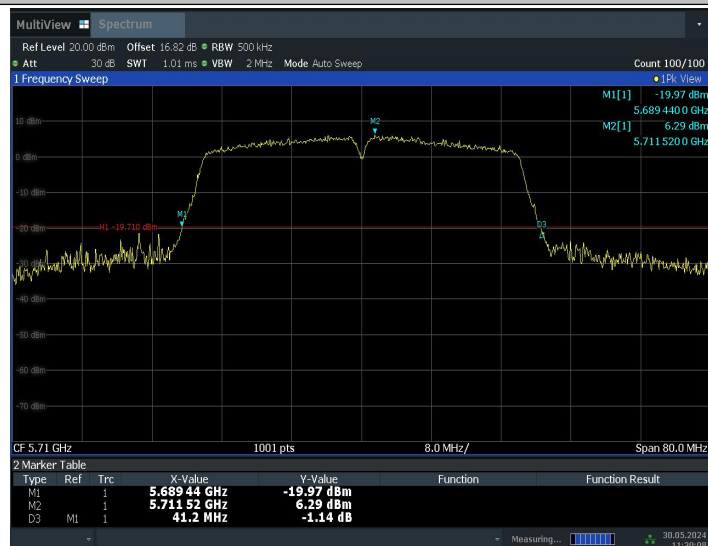
15:59:22 24.05.2024

11N40SISO_5670



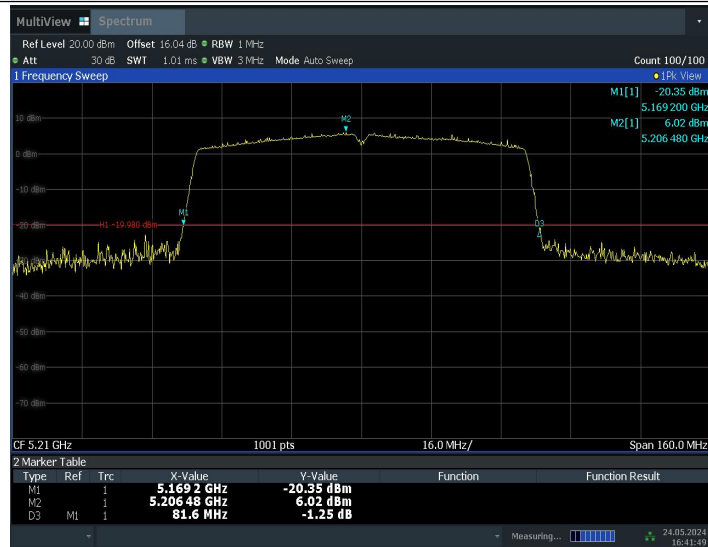
16:00:33 24.05.2024

11N40SISO_5710



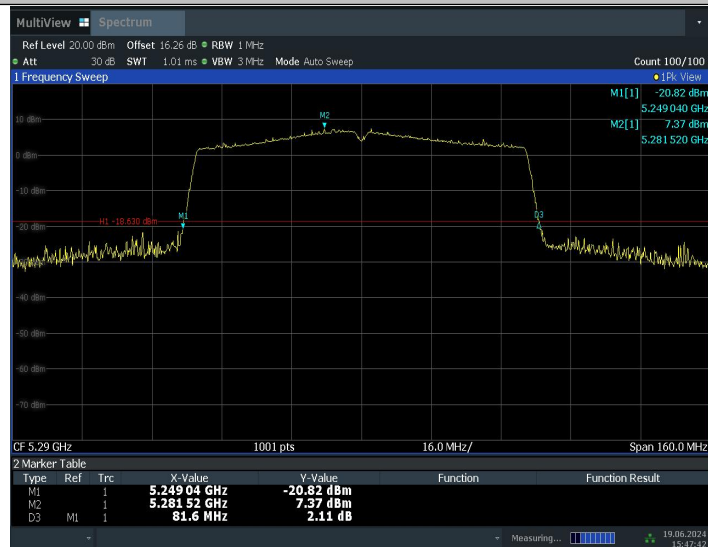
11:30:09 30.05.2024

11AC80SISO_5210



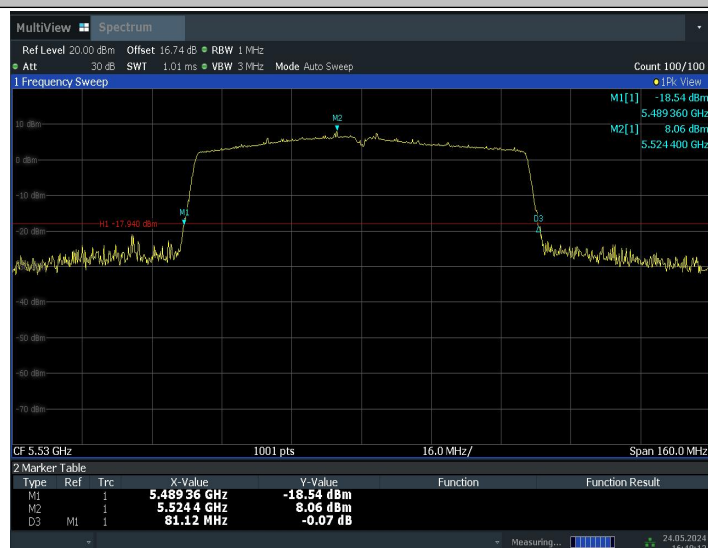
16:41:50 24.05.2024

11AC80SISO_5290



15:47:43 19.06.2024

11AC80SISO_5530



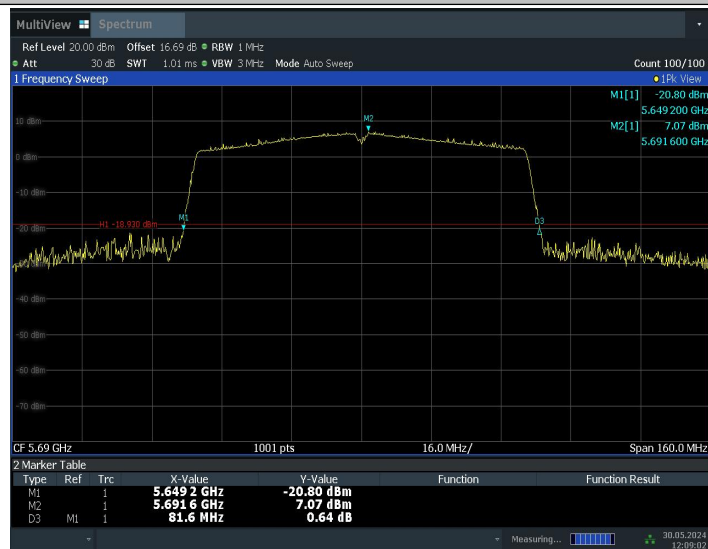
16:49:14 24.05.2024

11AC80SISO_5610



16:50:22 24.05.2024

11AC80SISO_5690



12:09:03 30.05.2024

Conclusion: PASS

A.5. Band Edges Compliance

A5.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

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

Limit in restricted band:

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

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

Measurement Result:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.1	P
	5320 MHz	Fig.2	P
	5500 MHz	Fig.3	P
	5700 MHz	Fig.4	P
802.11n HT20	5180 MHz	Fig.5	P
	5320 MHz	Fig.6	P
	5500 MHz	Fig.7	P
	5700 MHz	Fig.8	P
802.11ac HT20	5180 MHz	Fig.9	P
	5320 MHz	Fig.10	P
	5500 MHz	Fig.11	P
	5700 MHz	Fig.12	P
802.11n HT40	5190 MHz	Fig.13	P
	5310 MHz	Fig.14	P
	5510 MHz	Fig.15	P
	5670 MHz	Fig.16	P
802.11ac HT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ac HT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P
	5610MHz	Fig.24	P

Conclusion: PASS

Test graphs as below:

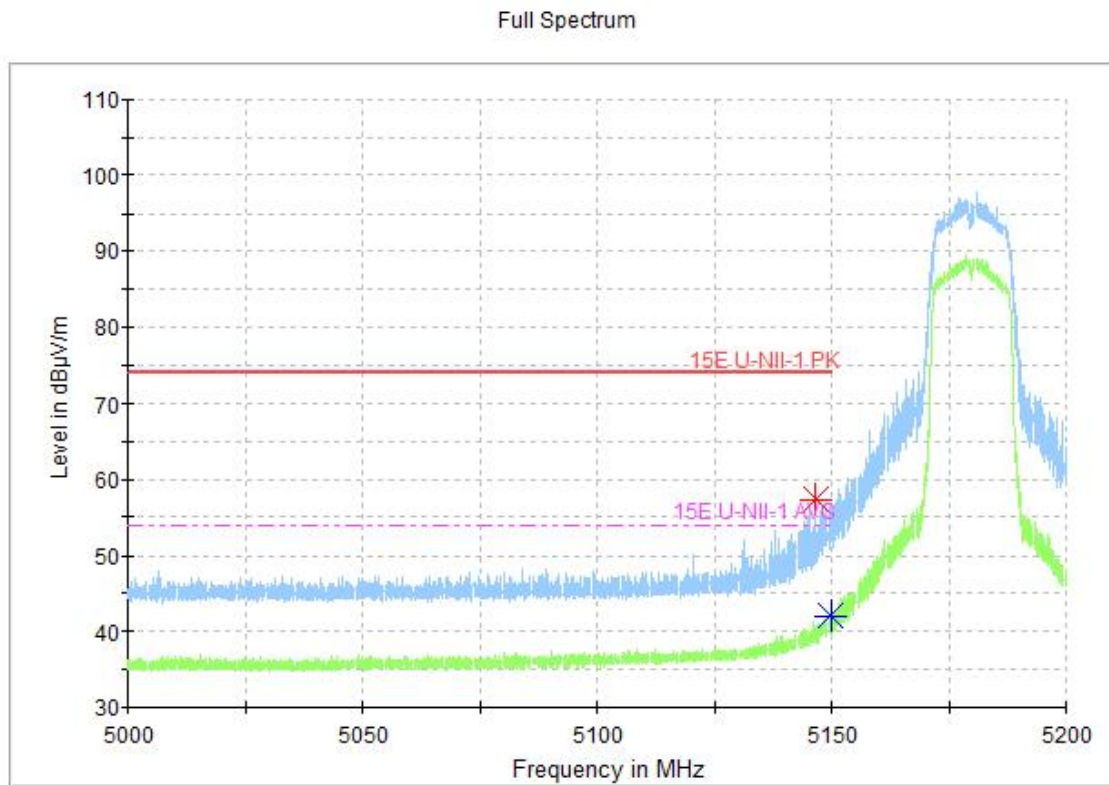


Fig.1 Band Edges (802.11a Ch36, 5180MHz)

Full Spectrum

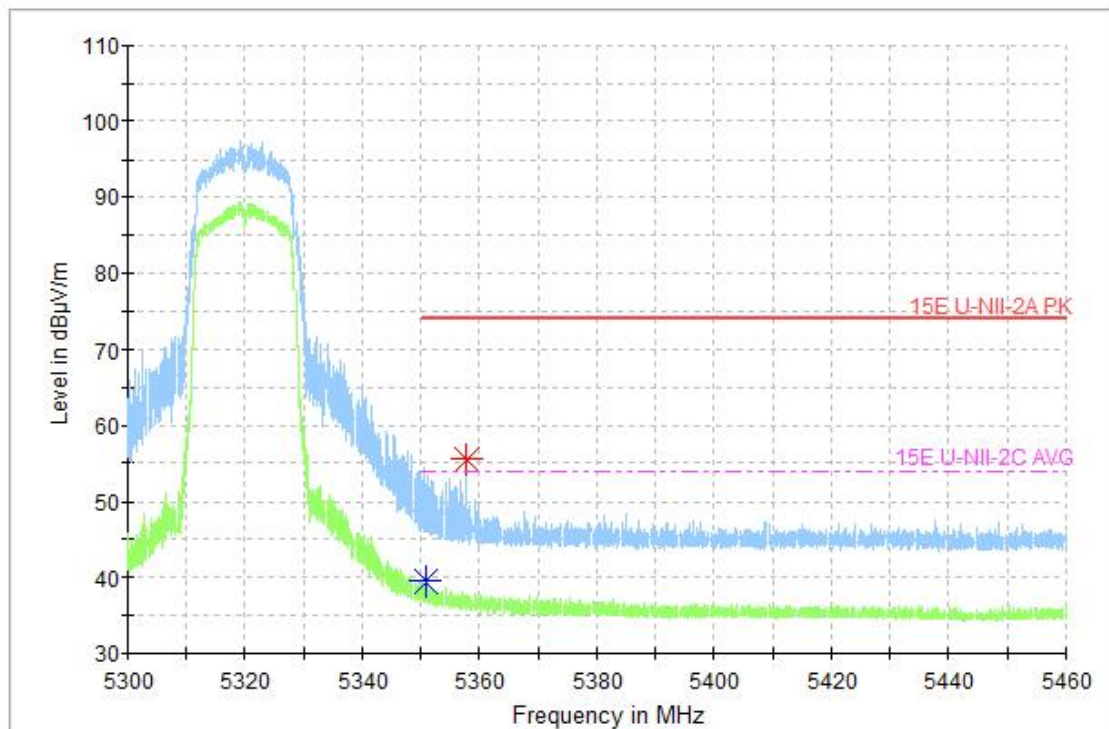


Fig.2 Band Edges (802.11a Ch64, 5320MHz)

Full Spectrum

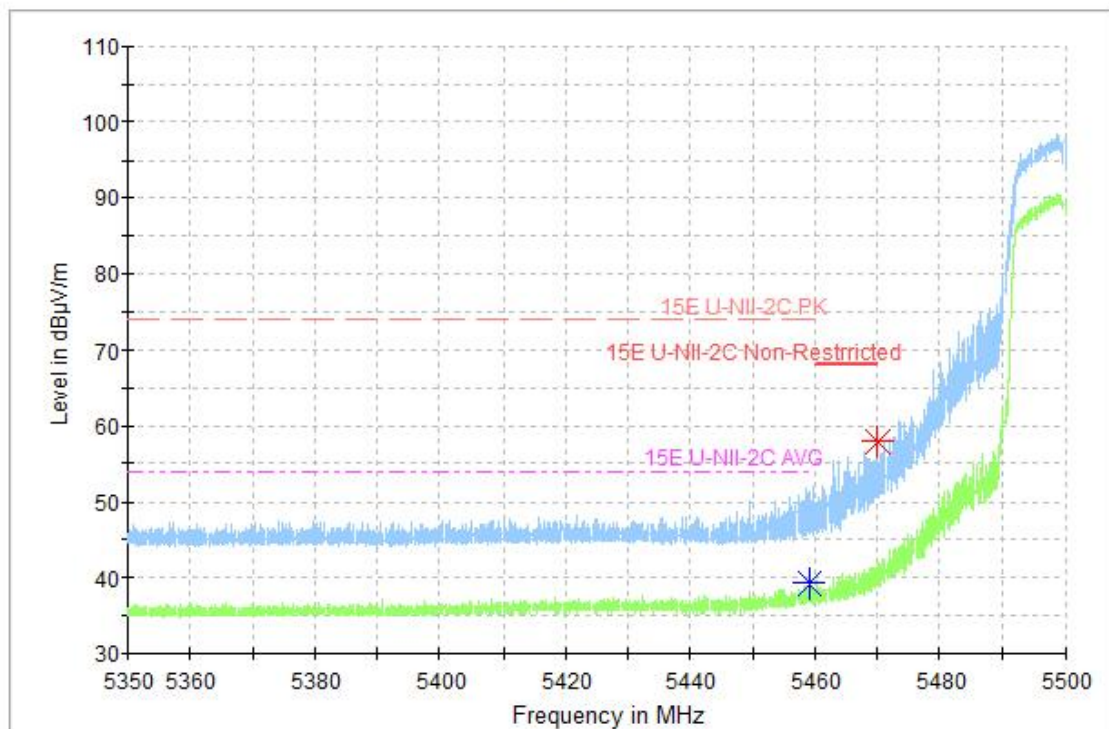


Fig.3 Band Edges (802.11a Ch100, 5500MHz)

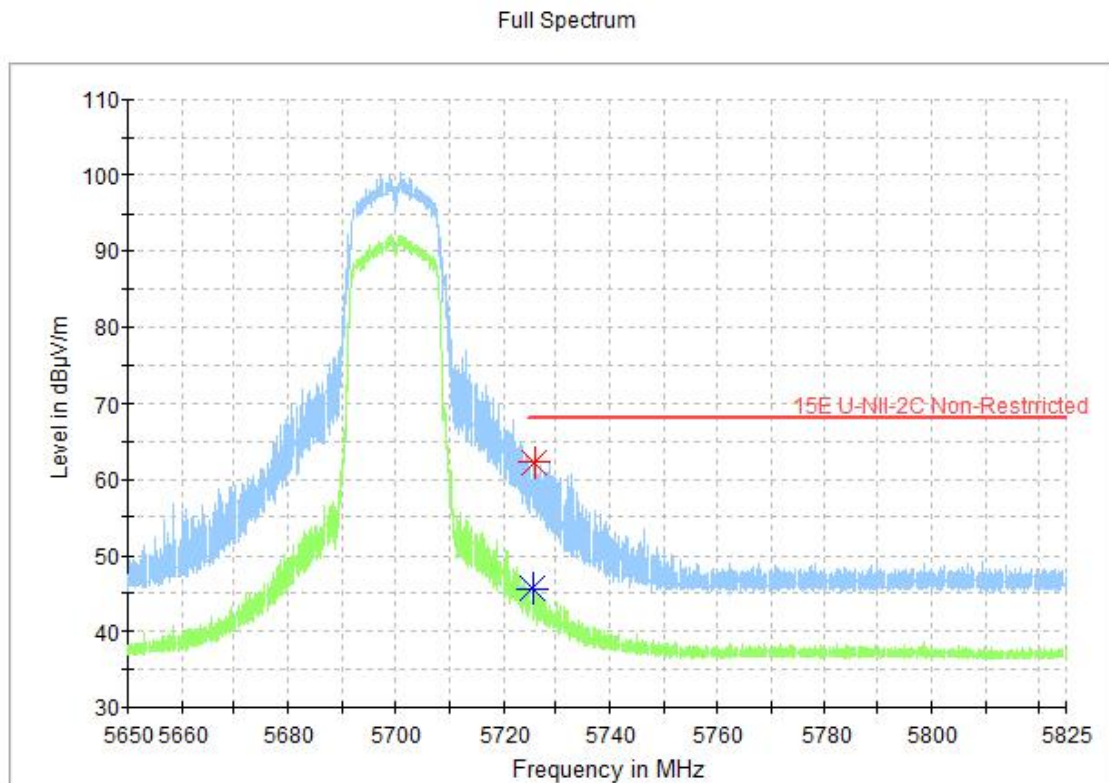


Fig.4 Band Edges (802.11a Ch140, 5700MHz)

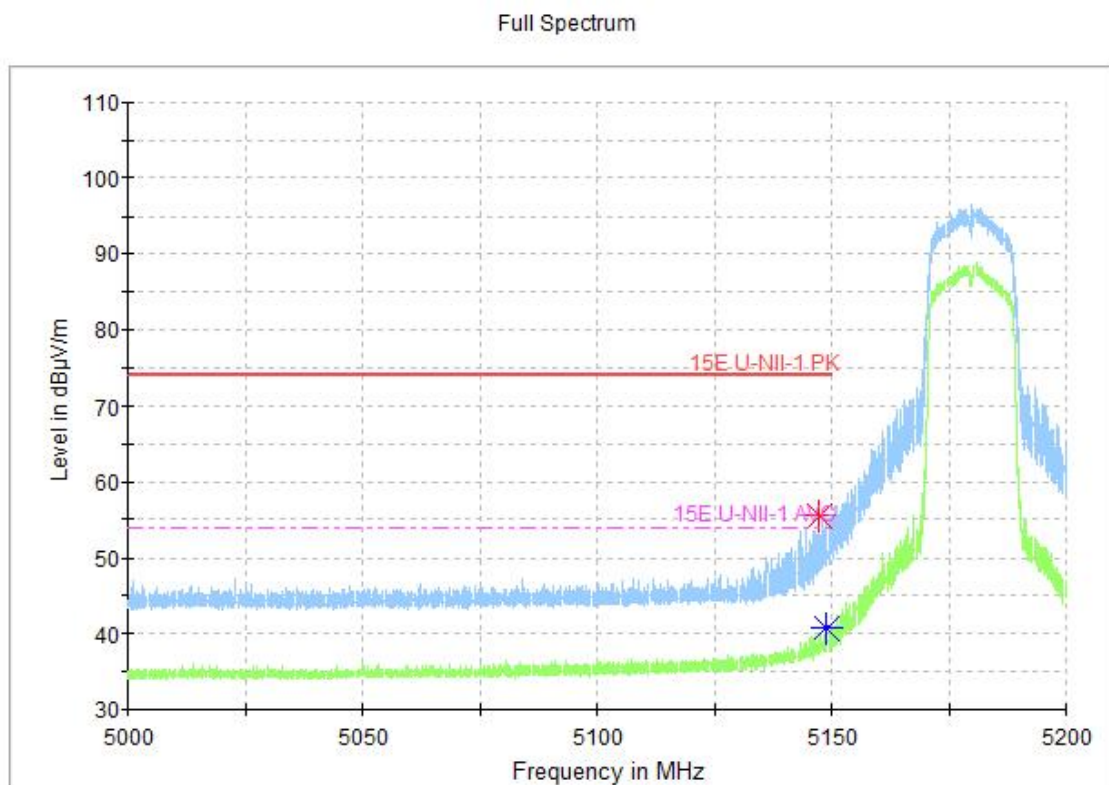


Fig.5 Band Edges (802.11n-HT20 Ch36, 5180MHz)

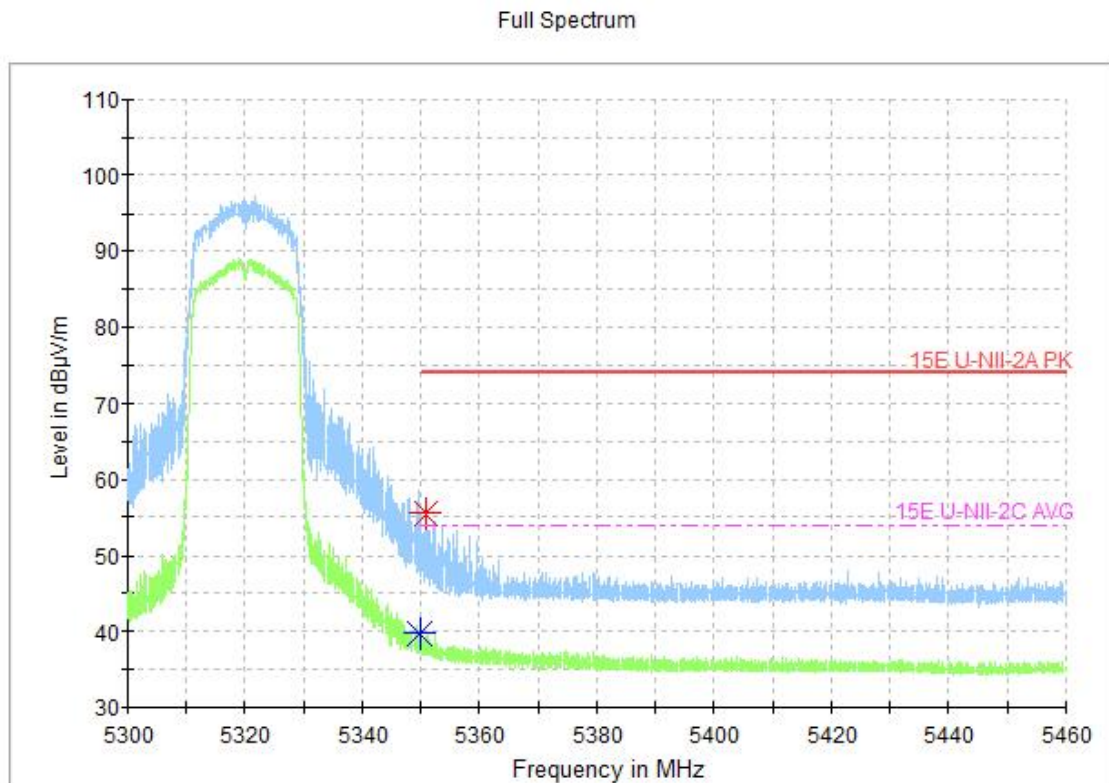


Fig.6 Band Edges (802.11n-HT20 Ch64, 5320MHz)

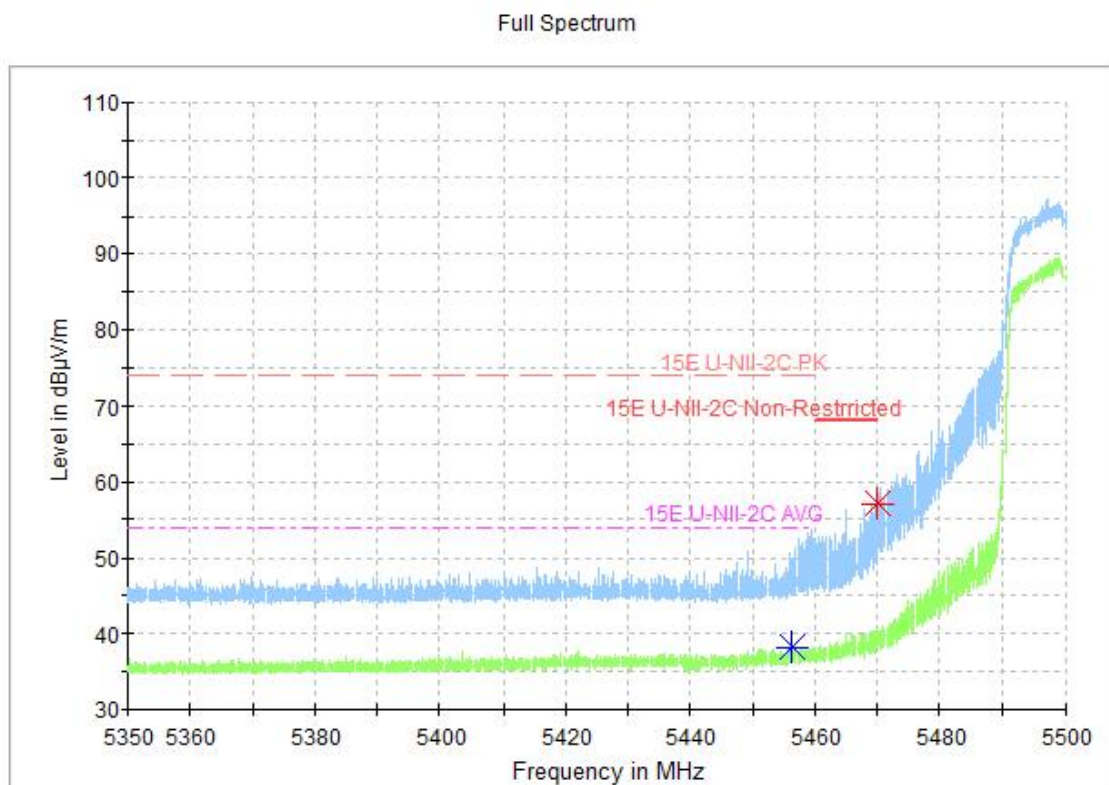


Fig.7 Band Edges (802.11n-HT20 Ch100, 5500MHz)

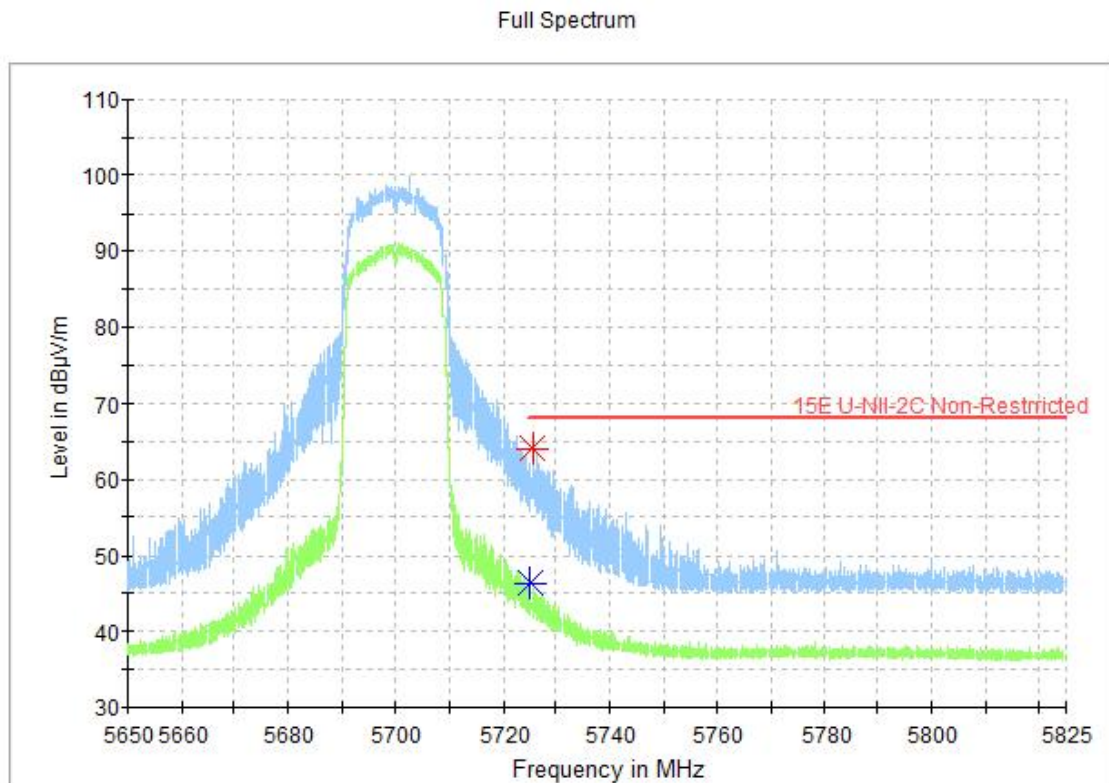


Fig.8 Band Edges (802.11n-HT20 Ch140, 5700MHz)

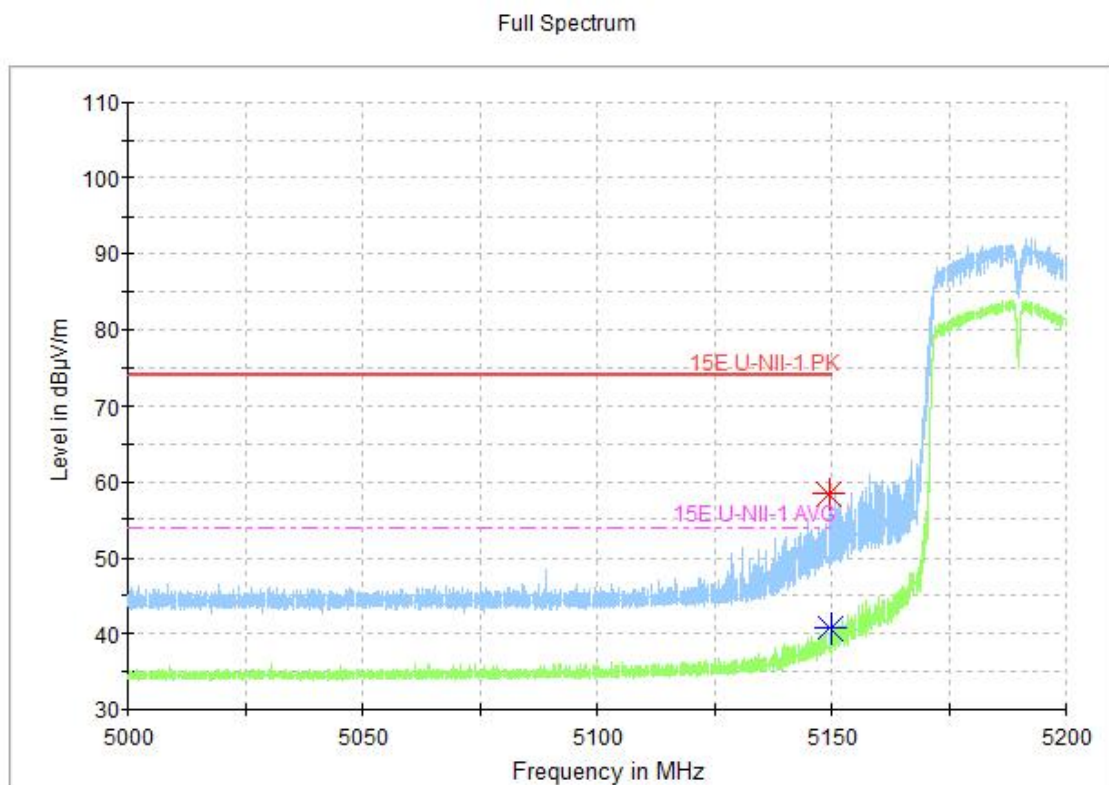


Fig.9 Band Edges (802.11n-HT40 Ch38, 5190MHz)

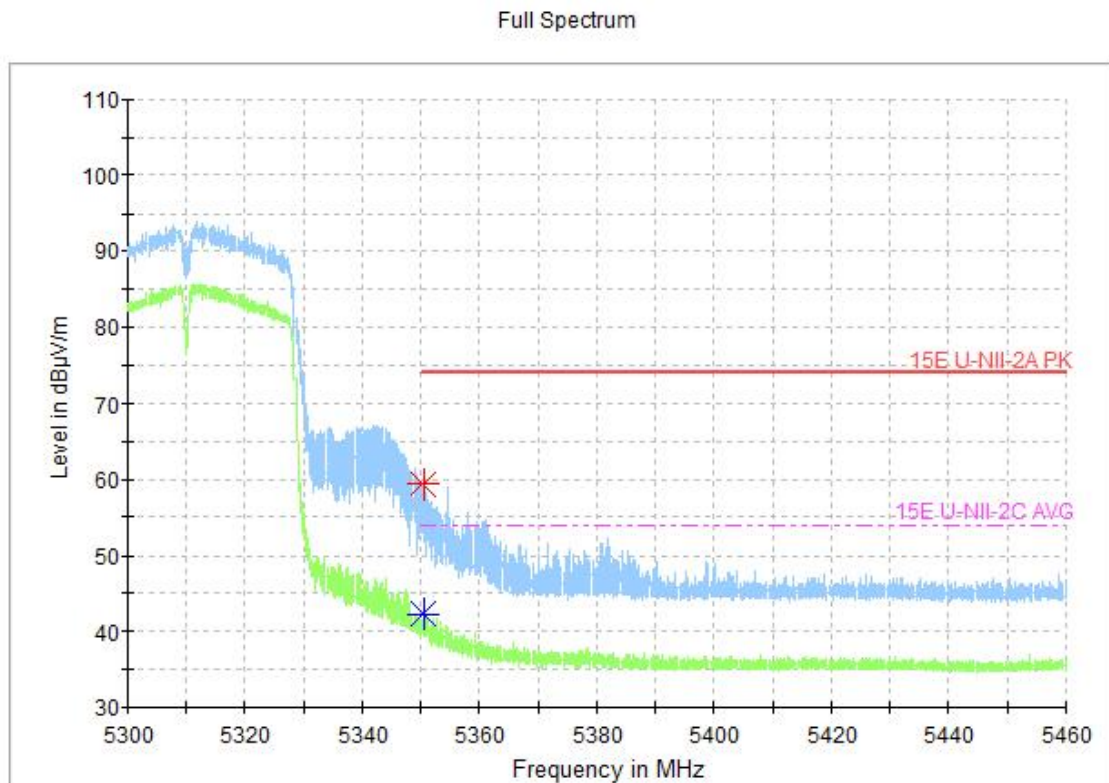


Fig.10 Band Edges (802.11n-HT40 Ch62, 5310MHz)

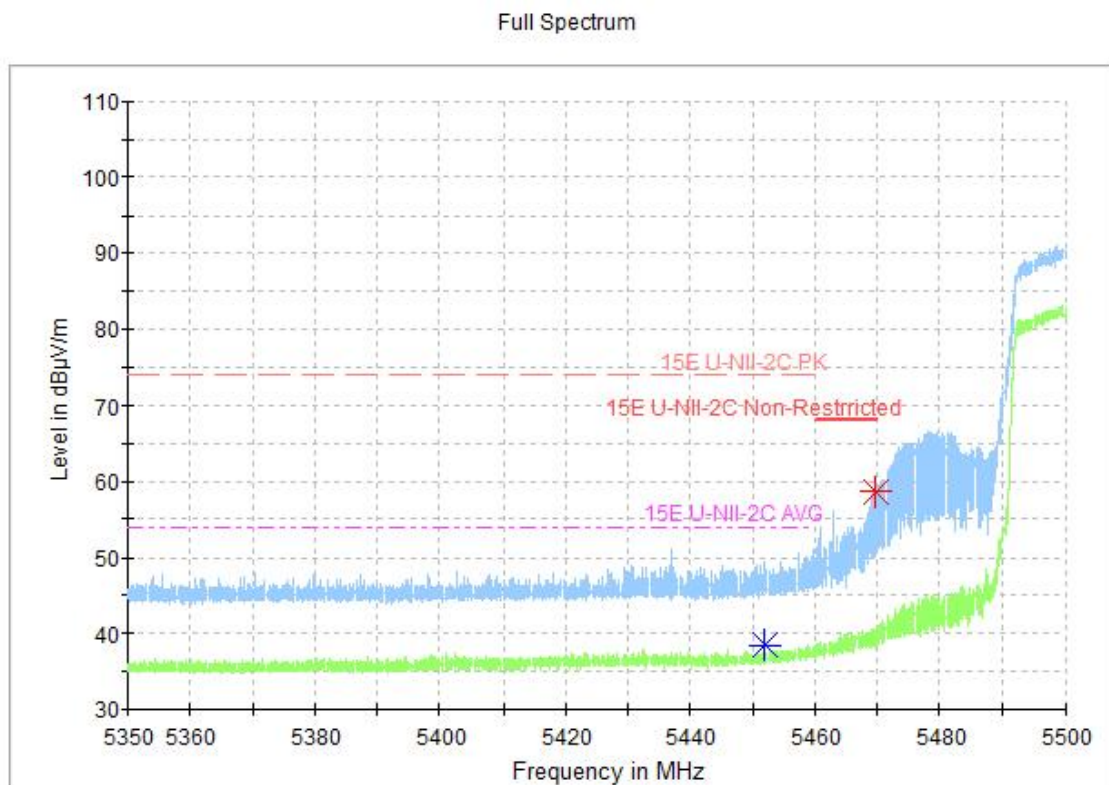


Fig.11 Band Edges (802.11n-HT40 Ch102, 5510MHz)

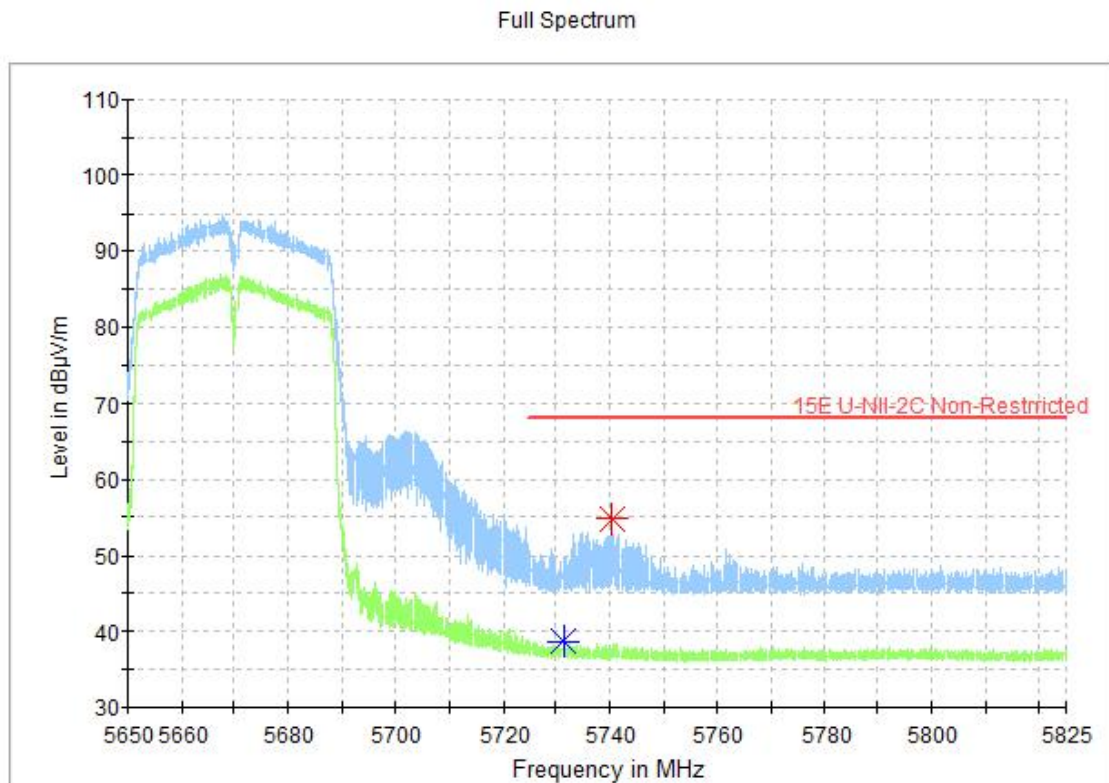


Fig.12 Band Edges (802.11n-HT40 Ch134, 5670MHz)

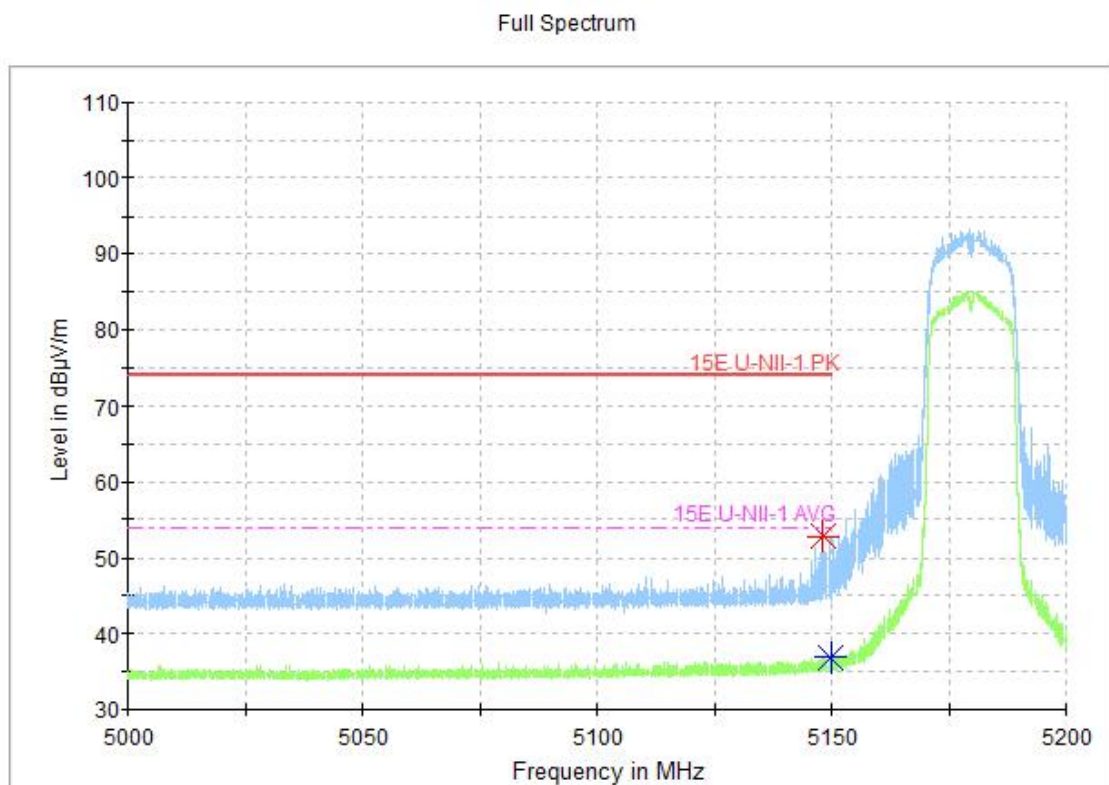


Fig.13 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

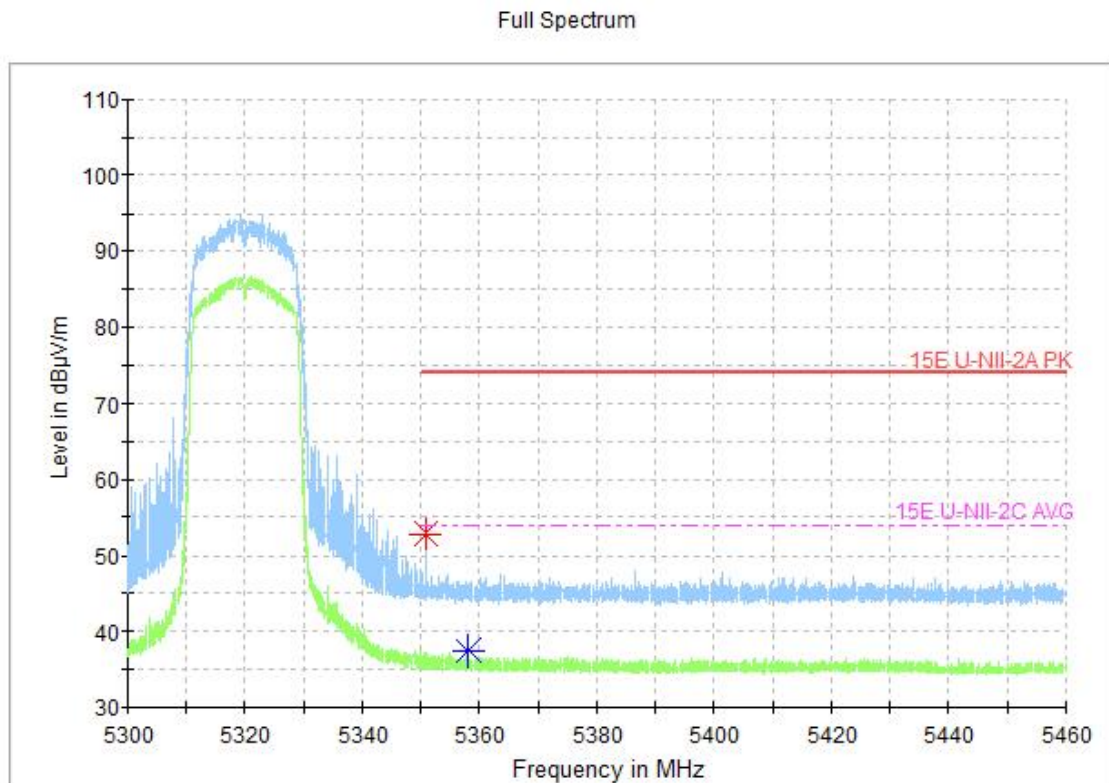


Fig.14 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

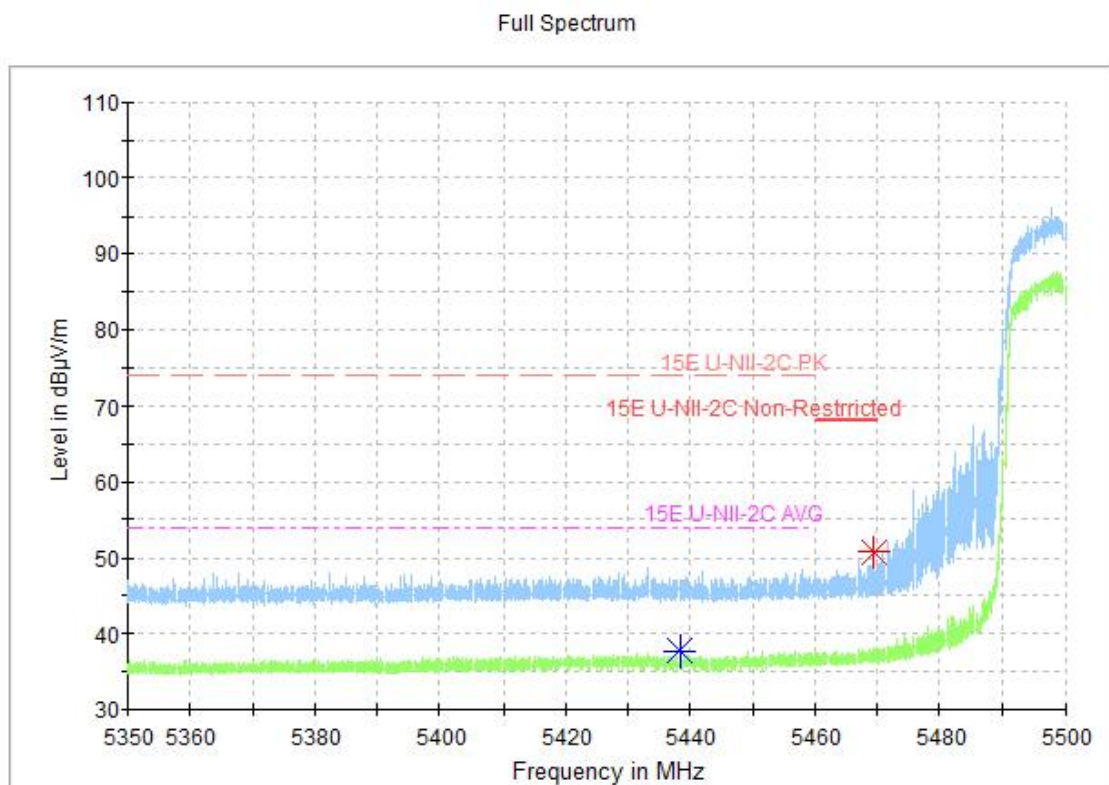


Fig.15 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

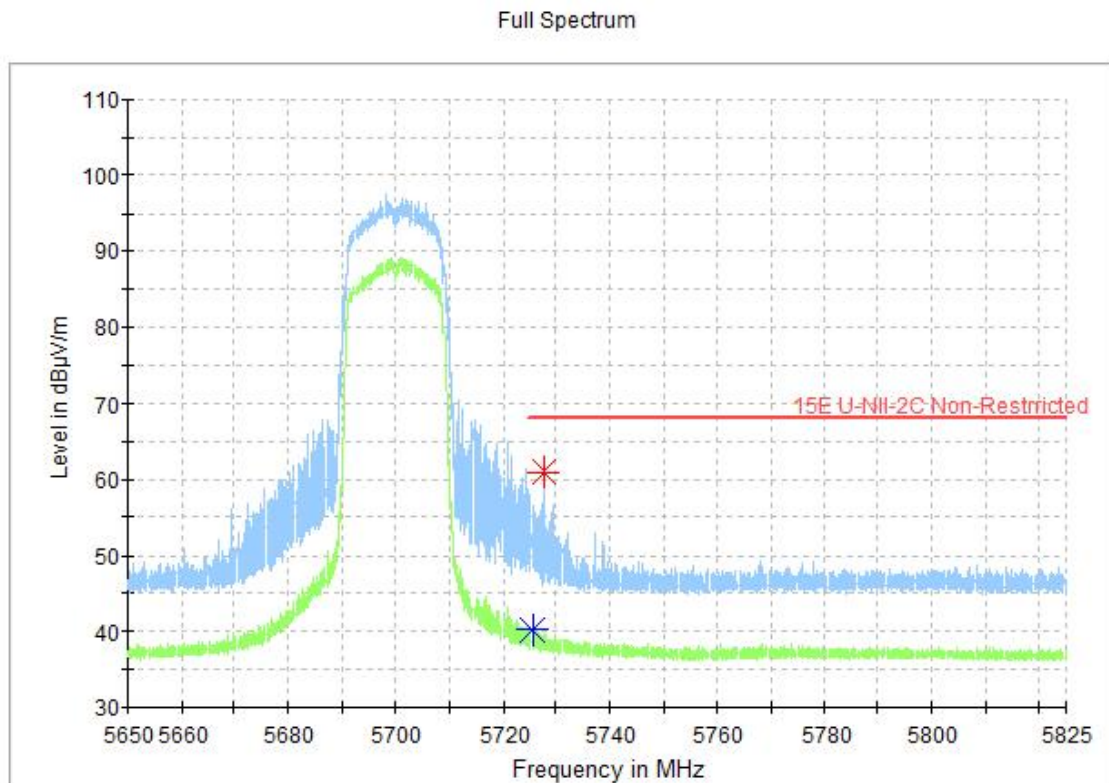


Fig.16 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

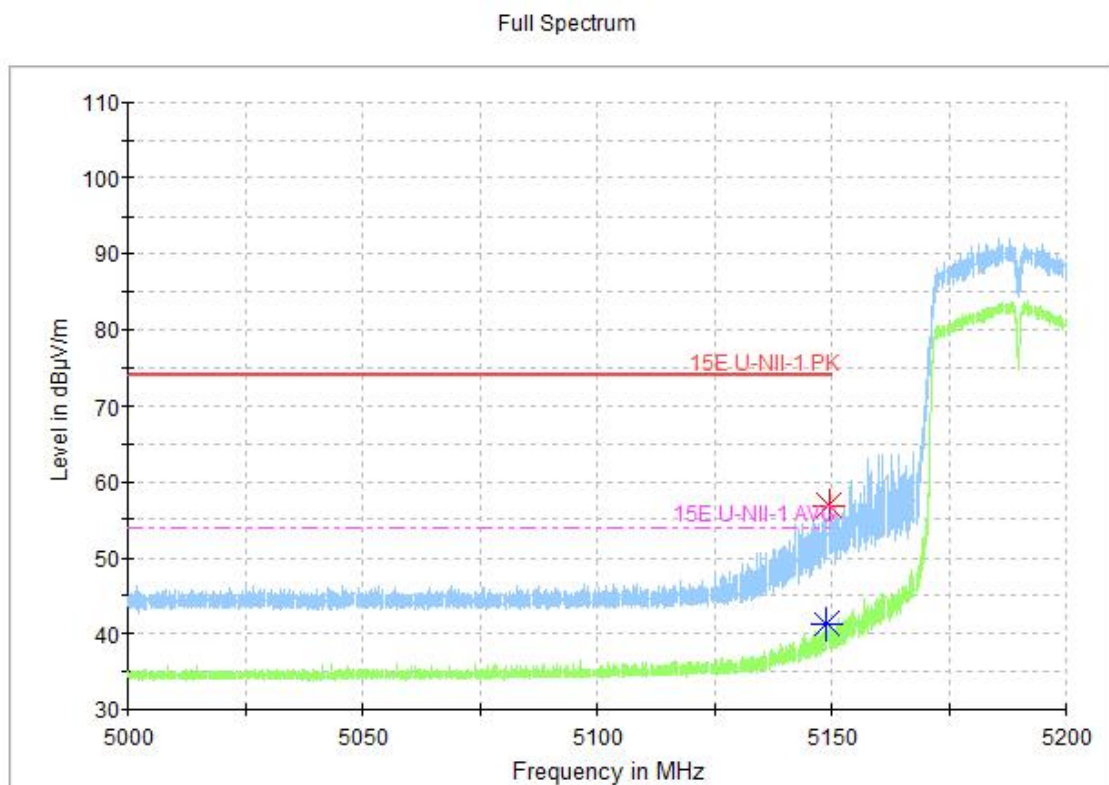


Fig.17 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

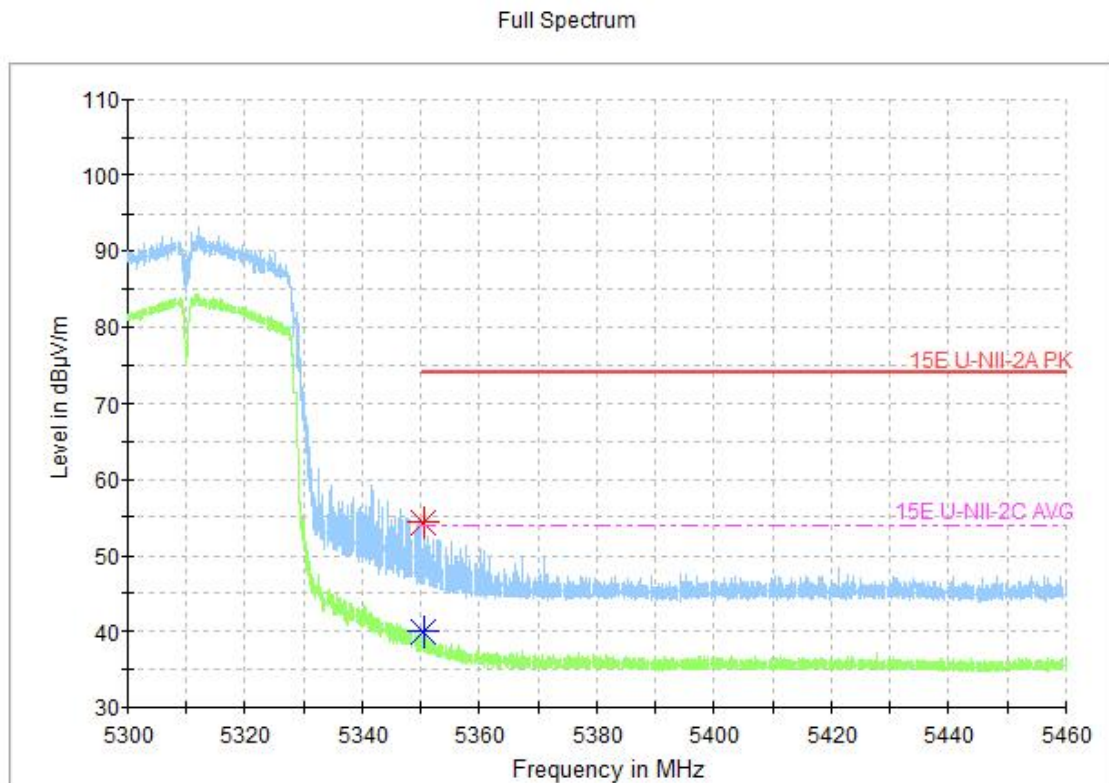


Fig.18 Band Edges (802.11ac-HT40 Ch62, 5310MHz)

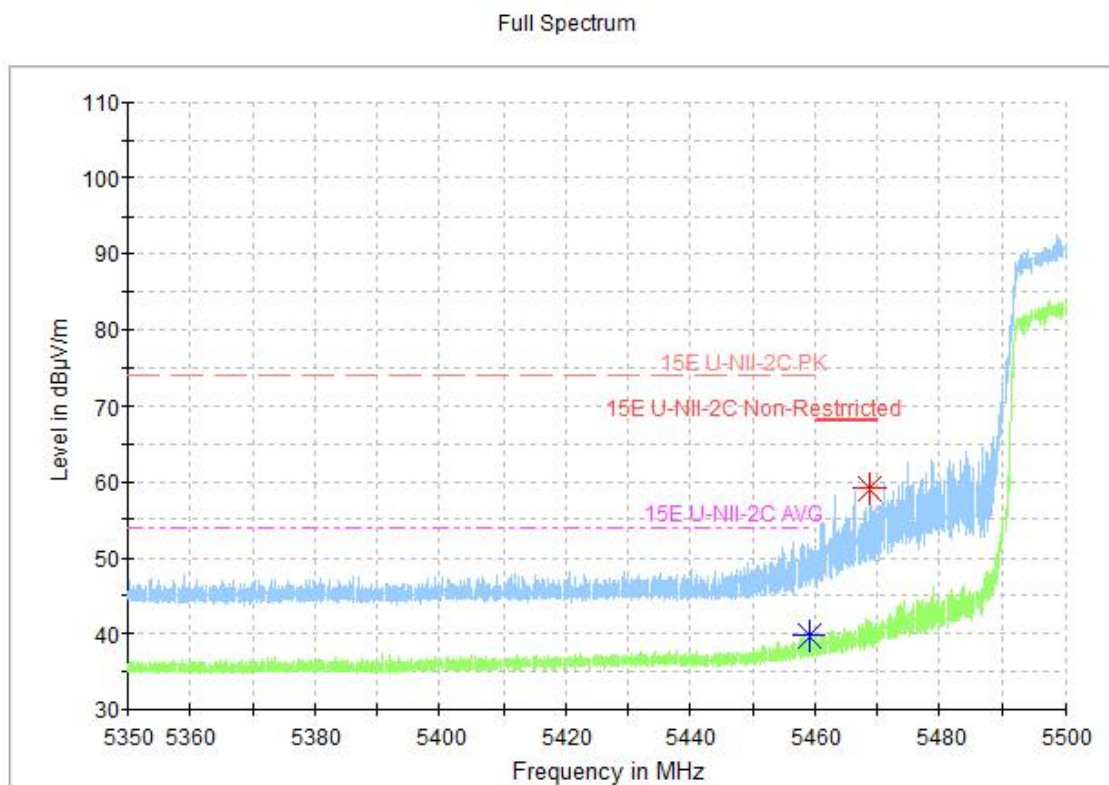


Fig.19 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

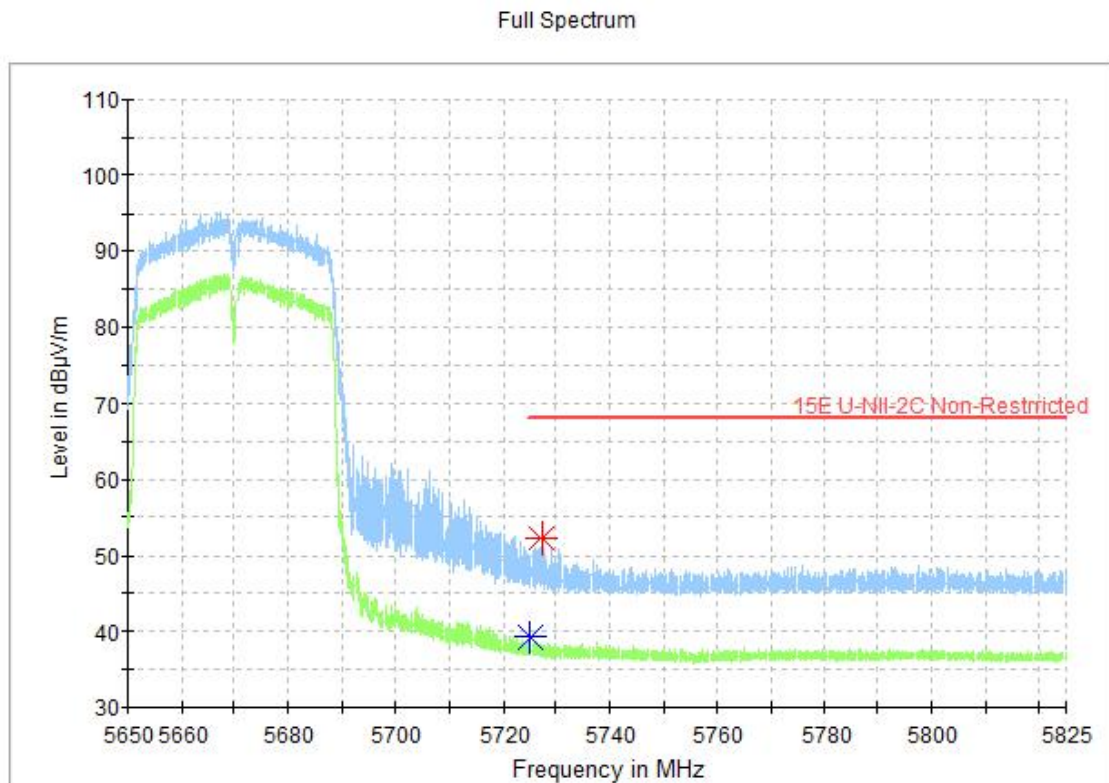


Fig.20 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

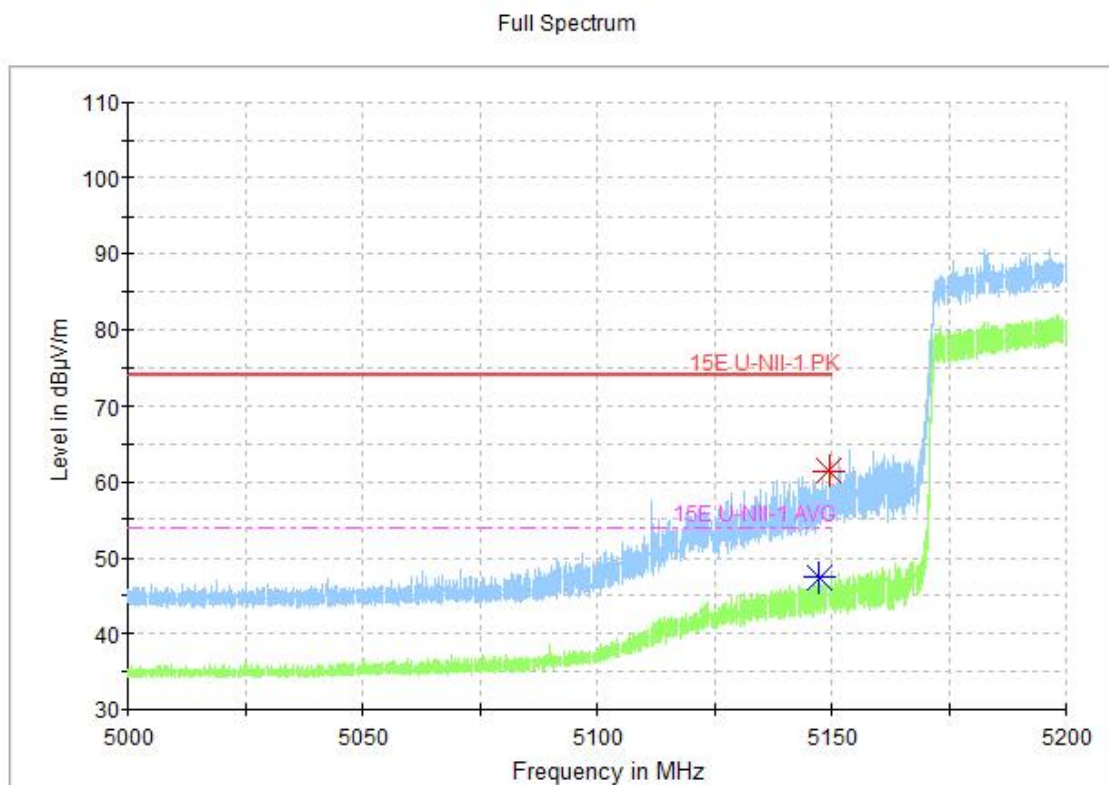


Fig.21 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

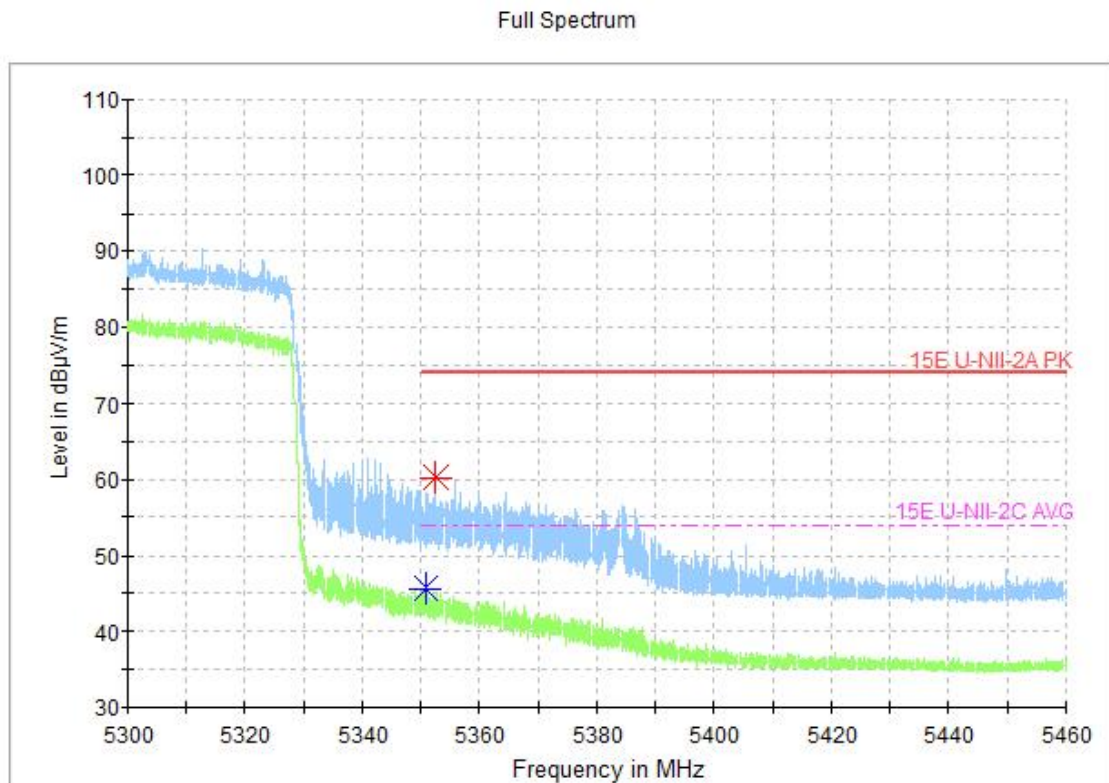


Fig.22 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

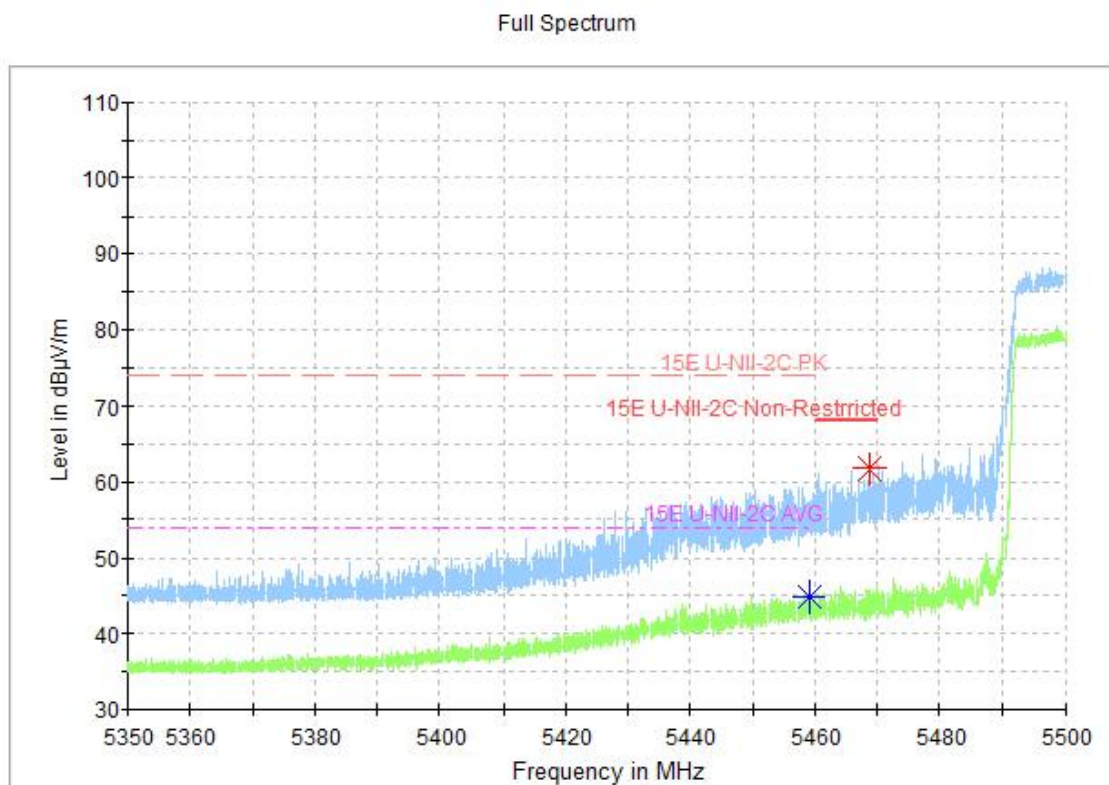


Fig.23 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

Full Spectrum

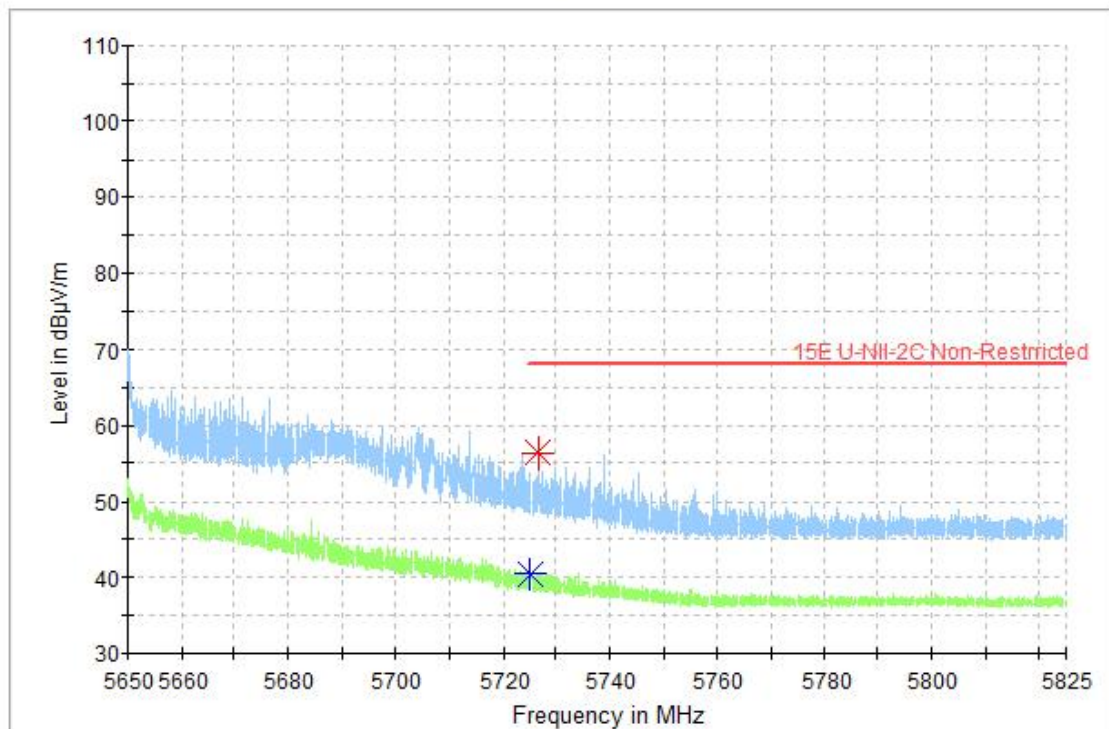


Fig.24 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

A.6. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

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

Limit in restricted band:

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

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

Measurement Results:

802.11a mode

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