

FCC TEST REPORT

(Part 15, Subpart E)

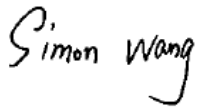
Applicant:	Qingdao Intelligent & Precise Electronics Co., Ltd.
Address:	No.218, Qianwangang Road, Economic and Technological Development Zone, Qingdao, Shandong Province, China

Manufacturer or Supplier:	Qingdao Intelligent & Precise Electronics Co., Ltd.
Address:	No.218, Qianwangang Road, Economic and Technological Development Zone, Qingdao, Shandong Province, China
Product:	WiFi Module
Brand Name:	Hisense
Model Name:	MWH552B
FCC ID:	2AJVQ-MWH552B
Date of tests:	Apr.01, 2025 ~ Apr.17, 2025

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Apr.17, 2025	 Date: Apr.17, 2025

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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Test Report No.: PSU-NQN2504020214RF02

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-NQN2504020214RF02	Original release	Apr. 17, 2025



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E		
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT
15.207	AC Power Conducted Emission	N/A
15.407(b) (1/2/3/4/5)	Radiated Emission & Band Edge Measurement	Compliance
15.407(a/1/2/3)	Maximum conducted output Power	Compliance
15.407(a/1/2/3)	Peak Power Spectral Density	Compliance
15.407(a)(2)(12)	26 dB Bandwidth	Compliance
15.407(e)	6 dB Bandwidth	Compliance
15.203	Antenna Requirement	Compliance

NOTE:

1. Except the data of RSE and Band Edge Measurement, other data please refer to the appendix1.

Test Lab Information Reference*Lab A:**

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

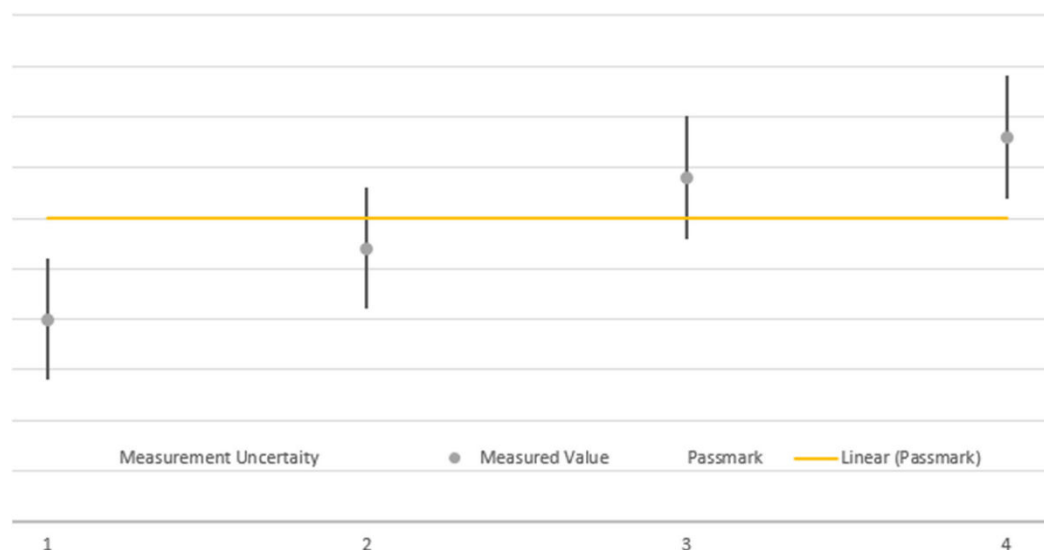
The FCC Site Registration No. is 434559; The Designation No. is CN1325.

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
AC Power Conducted emissions	±2.70dB
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions (30MHz~1GHz)	±4.98dB
Radiated emissions (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Power Spectral Density	±0.85 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT*	WiFi Module
BRAND NAME*	Hisense
MODEL NAME*	MWH552B
NOMINAL VOLTAGE*	3.3Vdc (DC supply)
MODULATION *	OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps 802.11ac: up to 867Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n/ac (20MHz) 2 for 802.11n/ac (40MHz) 1 for 802. 802.11ac (80MHz) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n/ac (20MHz) 2 for 802.11n/ac (40MHz) 1 for 802. 802.11ac (80MHz) 5500 ~ 5700MHz: 12 for 802.11a, 802.11n/ac (20MHz) 6 for 802.11n/ac (40MHz) 3 for 802.11ac (80MHz) 5745 ~ 5825MHz: 5 for 802.11a, 802.11n/ac (20MHz) 2 for 802.11n/ac (40MHz) 1 for 802.11ac (80MHz)
MAX. OUTPUT POWER	59.37 mW for 5180 ~ 5240MHz 66.77 mW for 5260 ~ 5320MHz 68.99 mW for 5500 ~ 5700MHz 64.81 mW for 5745 ~ 5825MHz
ANTENNA TYPE*	Inverted F PCB Antenna
ANTENNA GAIN*	For Power/PSD: Chain0: 4.26dBi for 5150 ~ 5850MHz Chain1: 4.63dBi for 5180 ~ 5825MHz
Directional Gain:	4.45dBi(Uncorrelated)
HW VERSION*	V1.00
SW VERSION*	N/A
I/O PORTS*	Refer to user's manual

NOTE:

1. *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
2. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
3. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitter and two receiver.

MODULATION MODE	TX FUNCTION
802.11a	2TX/2RX
802.11n/802.11ac (20MHz)	2TX/2RX
802.11n/802.11ac (40MHz)	2TX/2RX
802.11ac (80MHz)	2TX/2RX

4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
5. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

2.2 DESCRIPTION OF TEST MODES

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n, 802.11ac (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (80MHz):

CHANNEL	CFREQUENCY
42	5210 MHz

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n, 802.11ac (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (80MHz):

CHANNEL	CFREQUENCY
58	5290 MHz

FOR 5500 ~ 5700MHz

12 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	124	5620MHz



104	5520 MHz	128	5640MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

6 channels are provided for 802.11n, 802.11ac (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	126	5630MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz		

3 channel is provided for 802.11ac (80MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530 MHz	122	5610 MHz

FOR 5745 ~ 5825MHz

5 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

2 channels are provided for 802.11n, 802.11ac (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
142	5710 MHz	159	5795 MHz
151	5755 MHz		

1 channel is provided for 802.11ac (80MHz):

CHANNEL	FREQUENCY
155	5775 MHz



2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE>1G	PLC	APCM	
A	√	√	N/A	-	Powered by Adapter with wifi(5G) link
B	-	-	-	√	Powered by Battery with wifi(5G) link
C	-	-	-	-	Powered by USB with wifi(5G) link

Where

RE<1G: Radiated Emission below 1GHz**RE>1G:** Radiated Emission above 1GHz**PLC:** Power Line Conducted Emission**APCM:** Antenna Port Conducted Measurement**NOTE:**The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.**NOTE:** "-" means no effect**RADIATED EMISSION TEST (BELOW 1GHz):**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5745-5825	142 to 159	159	OFDM	MCS0



RADIATED EMISSION TEST (ABOVE 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n/ac (20MHz)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac (40MHz)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac (80MHz)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5745-5825	144 to 165	144,149, 157,165	OFDM	6.0
A	802.11n/ac (20MHz)		144 to 165	144,149, 157,165	OFDM, OFDMA	MCS0
A	802.11n/ac (40MHz)		142 to 159	142,151, 159	OFDM, OFDMA	MCS0
A	802.11ac (80MHz)		138 to 155	138,155	OFDM, OFDMA	MCS0

BANDEDGE MEASUREMENT:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATIO N	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n/ac (20MHz)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac (40MHz)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac (80MHz)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5745-5825	144 to 165	144, 149, 157,165	OFDM	6.0
A	802.11n/ac (20MHz)		144 to 165	144, 149, 157,165	OFDM, OFDMA	MCS0
A	802.11n/ac (40MHz)		142 to 159	142, 151, 159	OFDM, OFDMA	MCS0
A	802.11ac (80MHz)		138,155	138, 155	OFDM, OFDMA	MCS0

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATIO N	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n/ac (20MHz)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac (40MHz)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac (80MHz)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5745-5825	144 to 165	144, 149, 157,165	OFDM	6.0
A	802.11n/ac (20MHz)		144 to 165	144, 149, 157,165	OFDM, OFDMA	MCS0
A	802.11n/ac (40MHz)		142 to 159	142, 151, 159	OFDM, OFDMA	MCS0
A	802.11ac (80MHz)		138,155	138, 155	OFDM, OFDMA	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	23deg. C, 70%RH	DC 3.3V DC Supply	Simon Wang
RE>1G	23deg. C, 70%RH	DC 3.3V DC Supply	Simon Wang
APCM	25deg. C, 60%RH	DC 3.6V By DC Supply	Simon Wang

2.3 DUTY CYCLE OF TEST SIGNAL

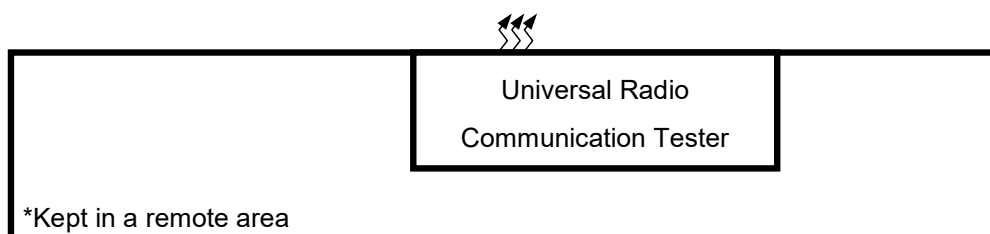
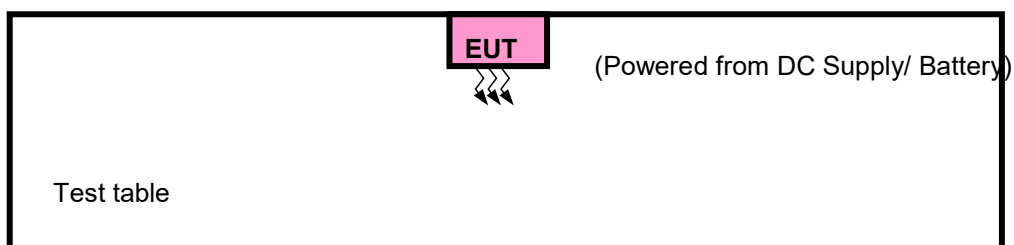
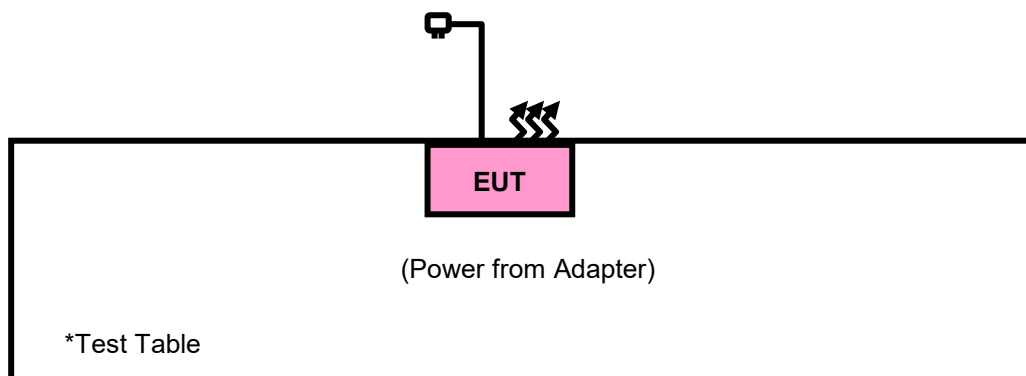
Please Refer to Appendix A/B Of this test report.

2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Laptop	Lenovo	Thinkpad E14	SL10W47313	N/A

2.4.1 CONFIGURATION OF SYSTEM UNDER TEST



2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart E (15.407)

KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

ANSI C63.10-2020

All test items have been performed and recorded as per the above standards.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Certification). The test report has been issued separately.

3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

3.1.2 LIMITS OF UNWANTED EMISSION

RESTRICTED BANDS	APPLICABLE TO	LIMIT	
	789033 D02 General UNII Test Procedures New Rules v02r01	FIELD STRENGTH AT 3m (dBµV/m)	
		PK : 74	AV : 54
OUT OF THE RESTRICTED BANDS	APPLICABLE TO	EIRP LIMIT (dBm/MHz)	EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)
	15.407(b)(1)	PK : -27	PK : 68.2
	15.407(b)(2)		
	15.407(b)(3)		
	15.407(b)(4)	See note 2 (FCC 16-24)	

NOTE: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000 \sqrt{30P}}{3} \propto \mu, \text{ ωηερε Π ισ τηε ειρπ (Ωαττσ).}$$

2. All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.30,23	Aug.29,25
Pre-Amplifier	R&S	SCU08F1	101028	Jan.22,24	Jan.21,26
Signal Generator	R&S	SMB100A	182185	Mar.29,24	Mar.28,26
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESW44	101973	Mar.28,24	Mar.27,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Dec.26,23	Dec.25,25
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.22,23	Aug.21,25
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Jul.15,24	Jul.14,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.22,23	Aug.21,25
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.23,25	Feb.22,27
WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.19,24	Jun.18,26
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	N/A	N/A
DC Source	HYELEC	HY3010B	551016	Aug.31,23	Aug.30,25
Hygrothermograph	DELI	20210528	SZ014	Sep.06,23	Sep.05,25
6DB attenuator	Tonscend Technology Co., Ltd	N/A	23062787	N/A	N/A
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A

**Test Report No.: PSU-NQN2504020214RF02**

TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	W12.14	N/A	Apr.27,24	Apr.26,25

- NOTE:**
1. The calibration interval of the above test instruments is 12 /24/ 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 2. The test was performed in 3m Chamber.
 3. The FCC Site Registration No. is 434559; The Designation No. is CN1325.

3.1.4 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

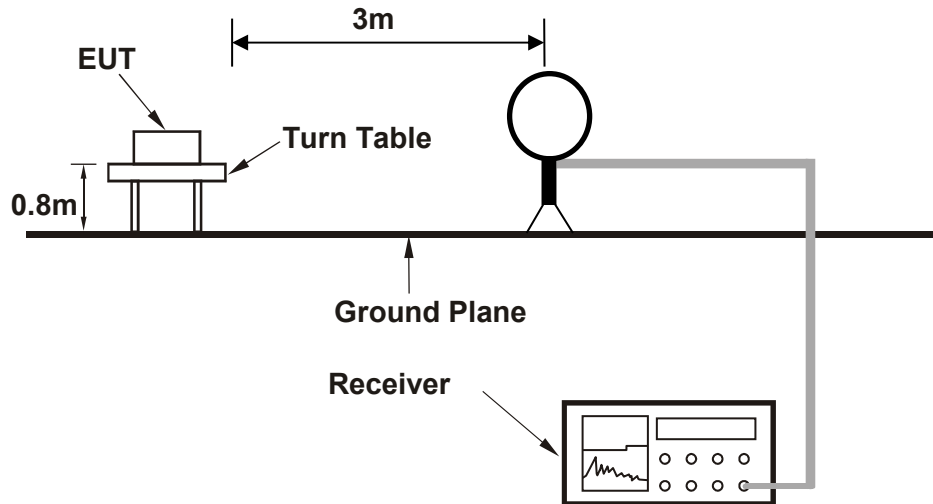
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

3.1.5 DEVIATION FROM TEST STANDARD

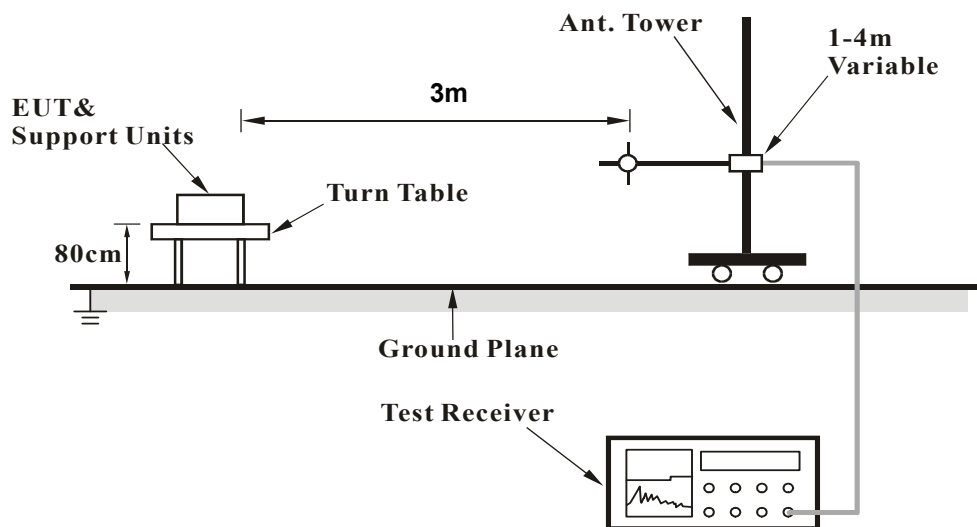
No deviation.

3.1.6 TEST SETUP

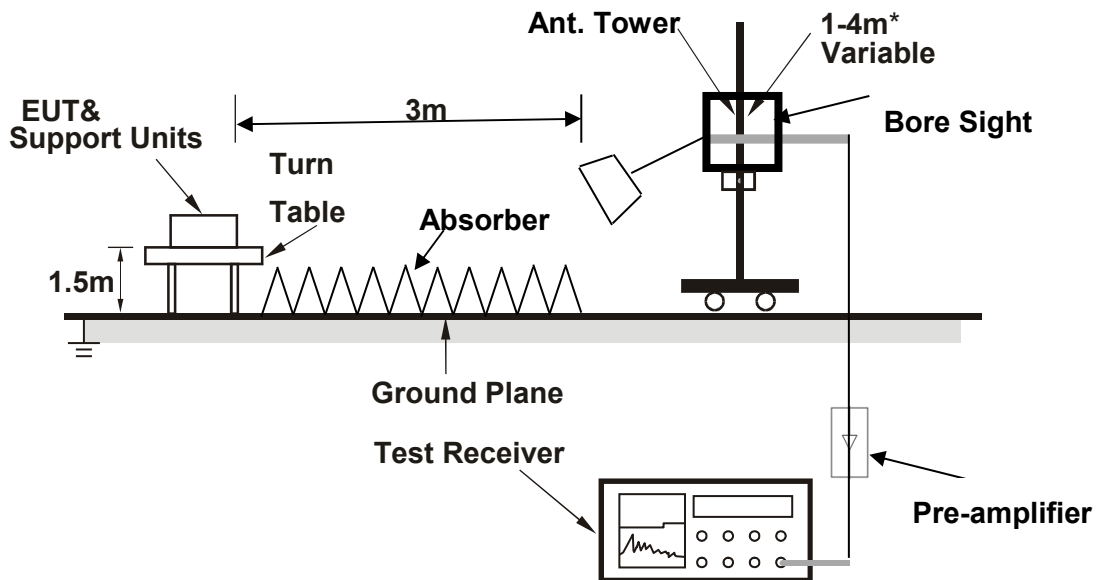
<Frequency Range 9KHz~30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.7 EUT OPERATING CONDITION

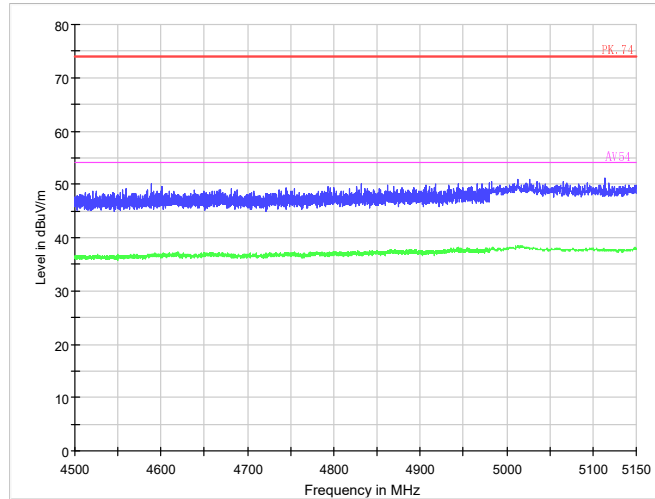
- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.



3.1.8 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Radiated Emission Band Edge for WIFI 20M

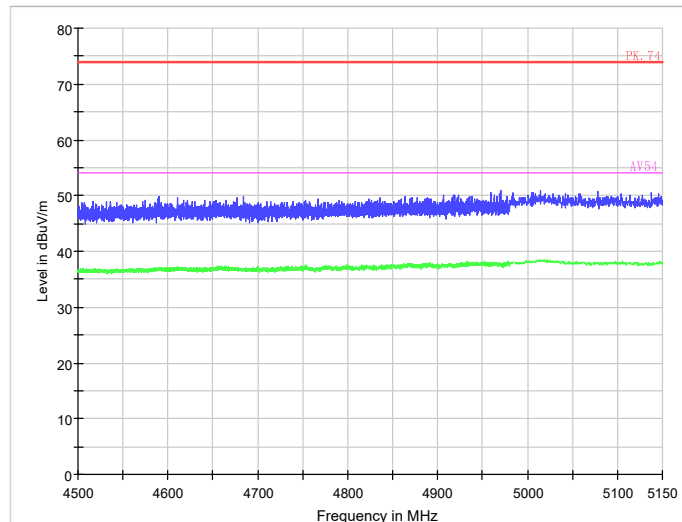


Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11a

Polarization: V

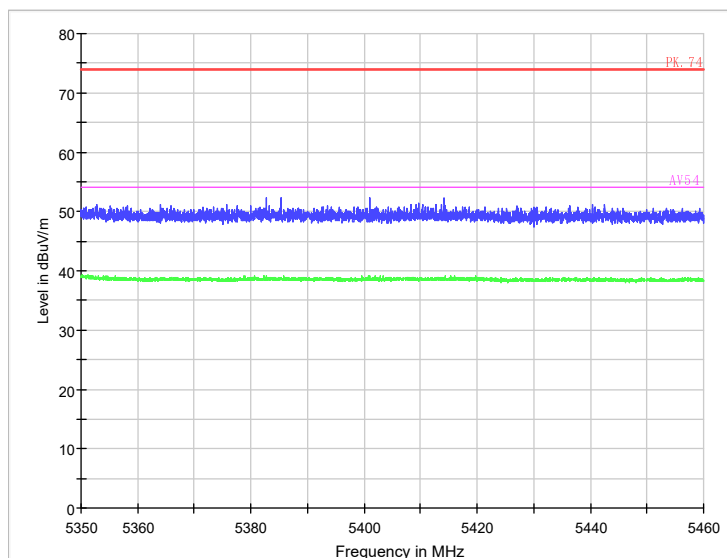


Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11a

Polarization: H

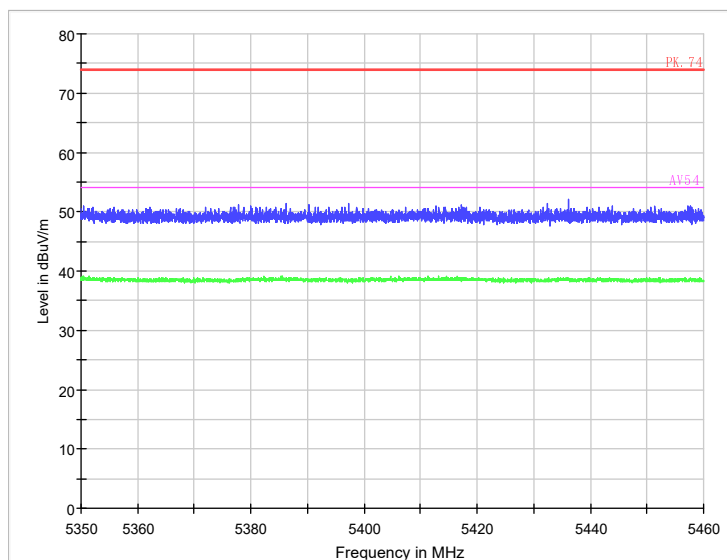


Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11a

Polarization: V

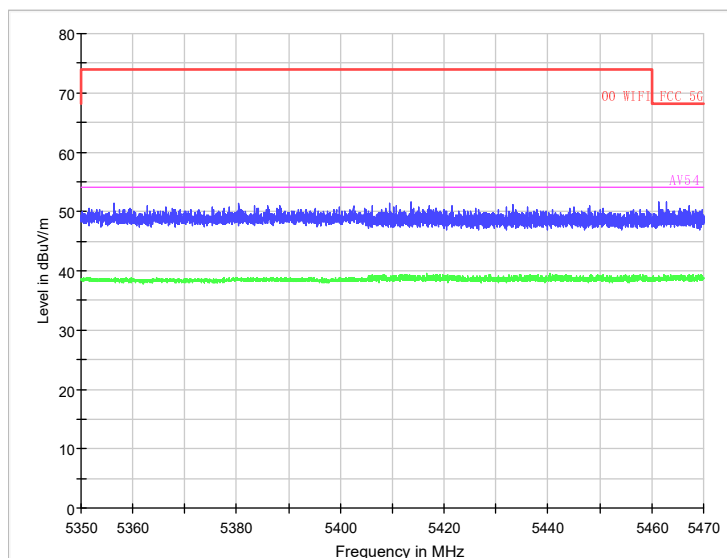


Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11a

Polarization: H

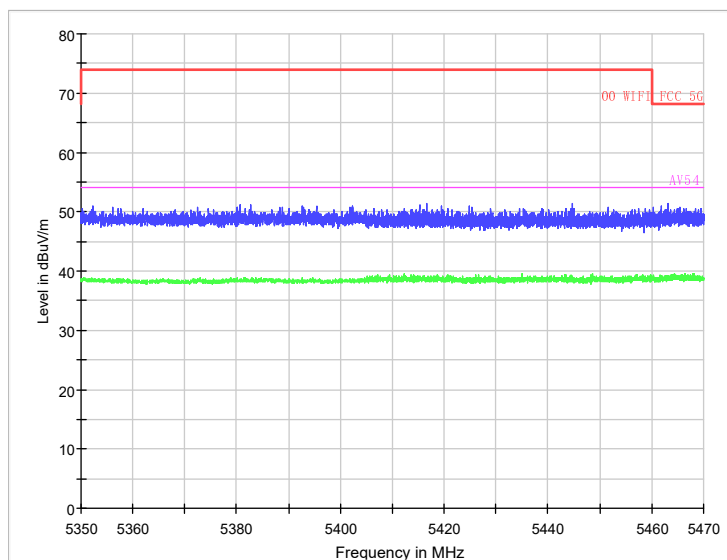


Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11a

Polarization: V

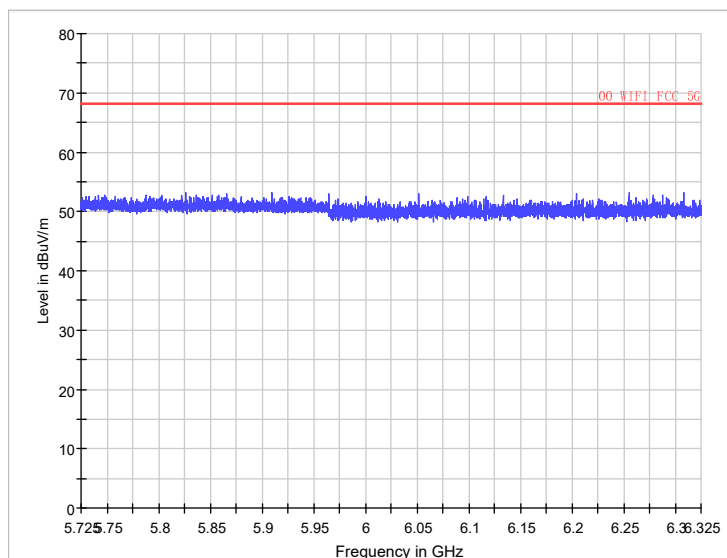


Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11a

Polarization: H

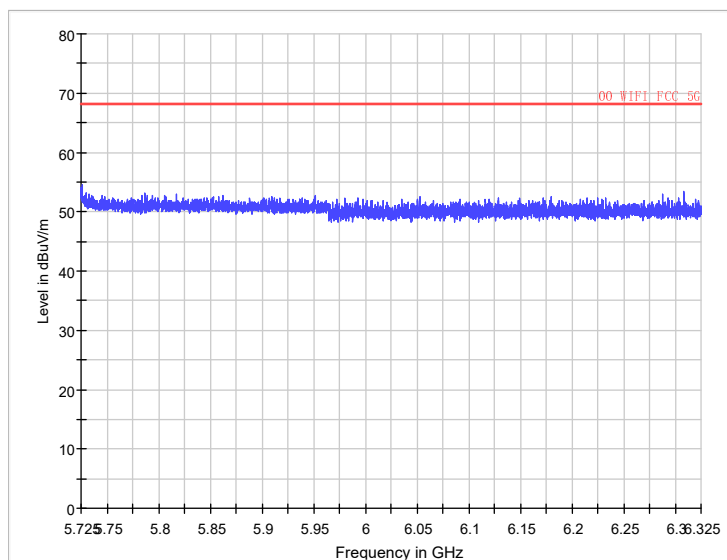


Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11a

Polarization: V

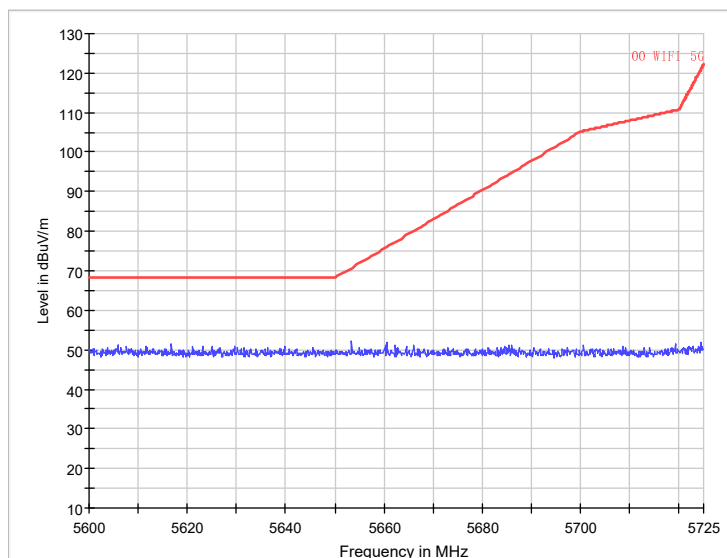


Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11a

Polarization: H

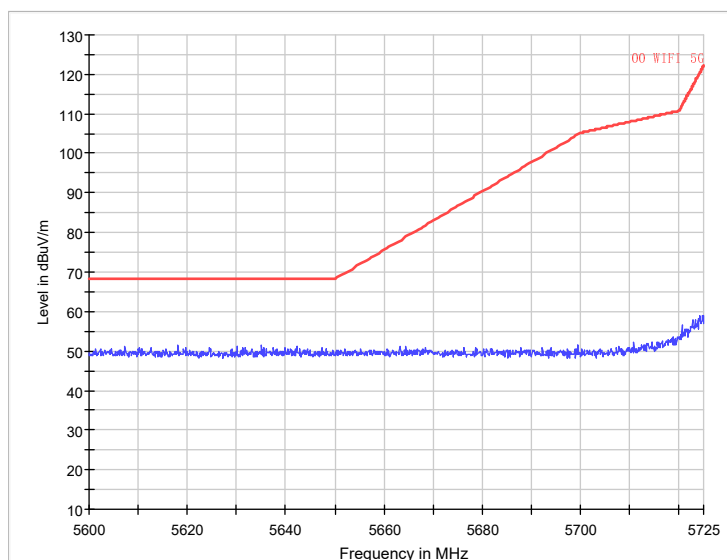


Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11a

Polarization: V

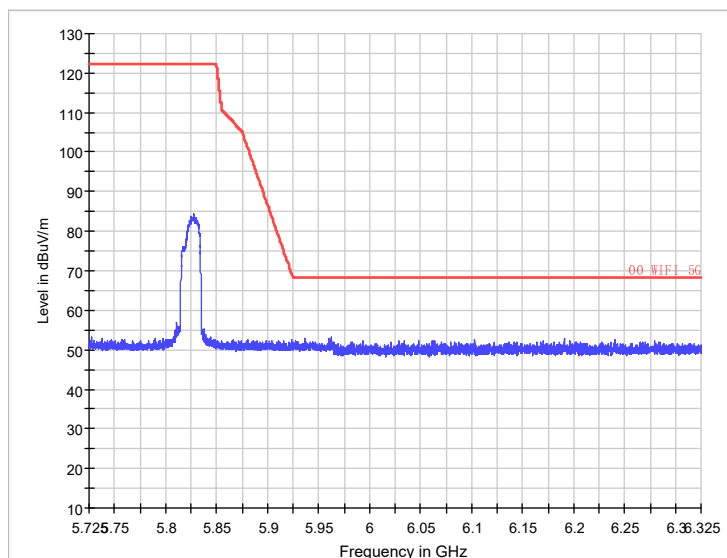


Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11a

Polarization: H

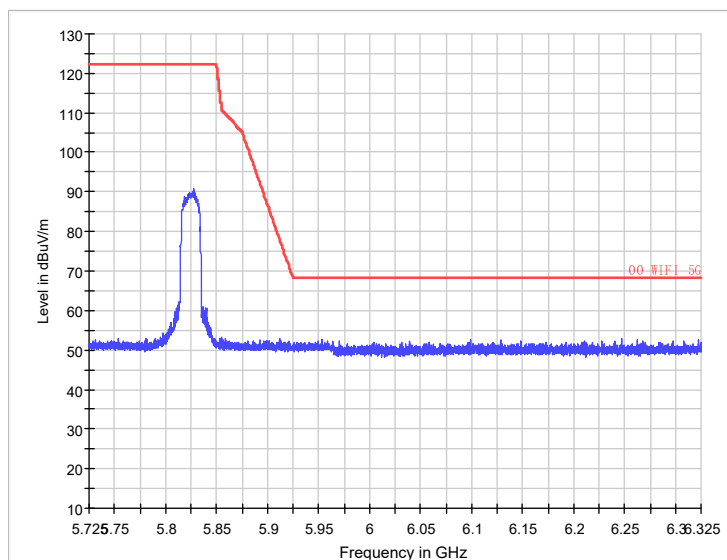


Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11a

Polarization: V

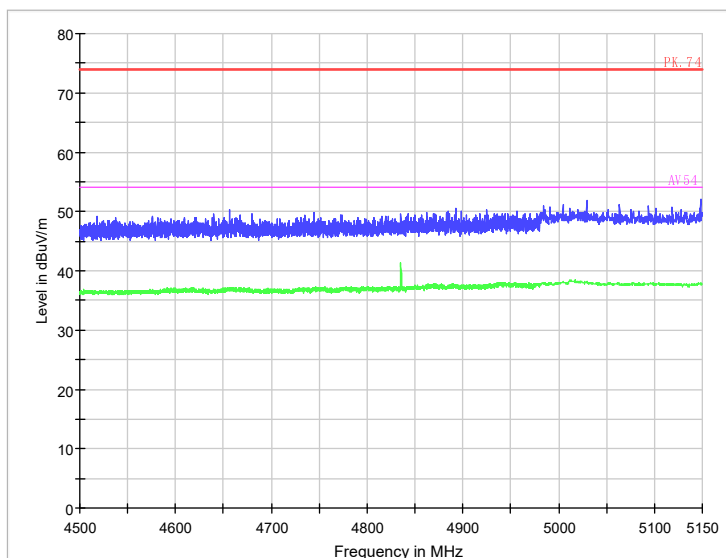


Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11a

Polarization: H

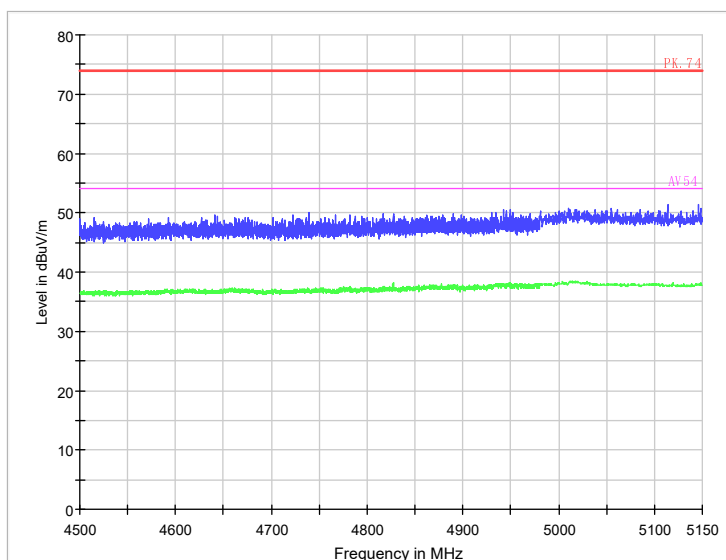


Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11n

Polarization: V

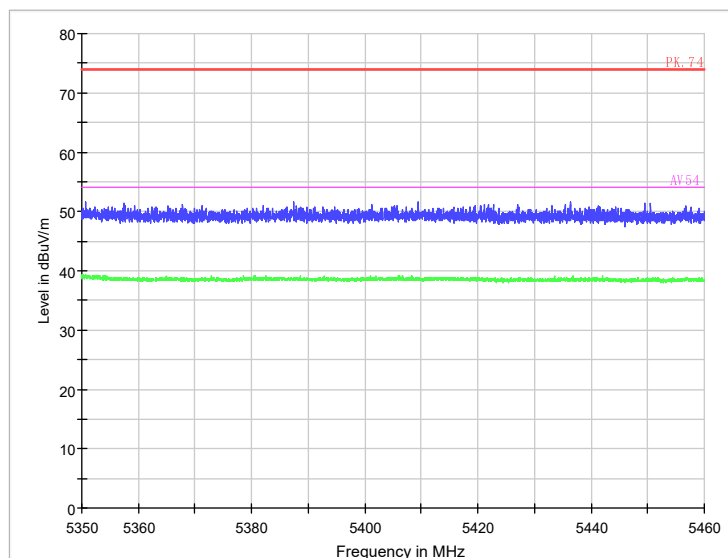


Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11n

Polarization: H

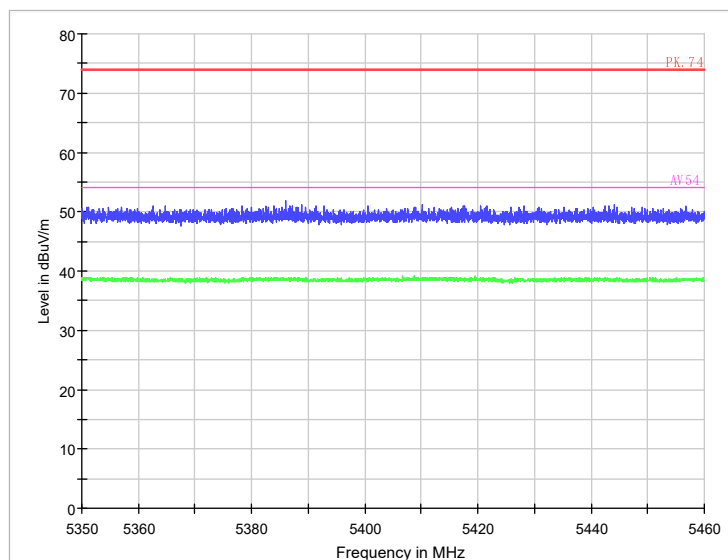


Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11n

Polarization: V

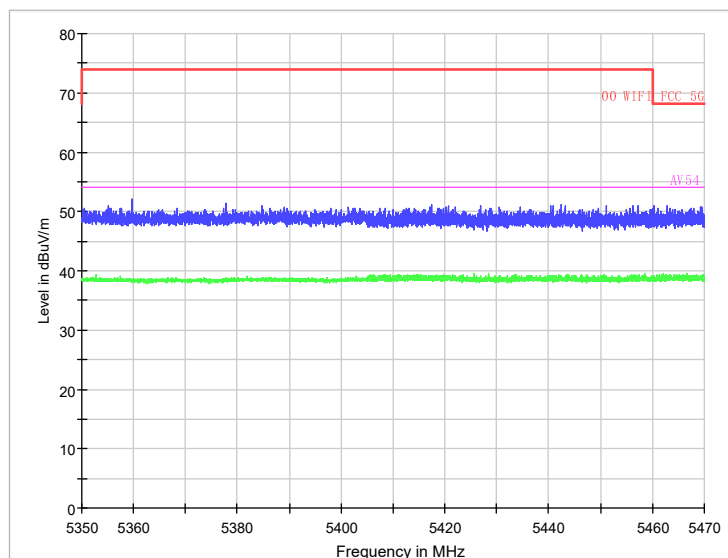


Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11n

Polarization: H

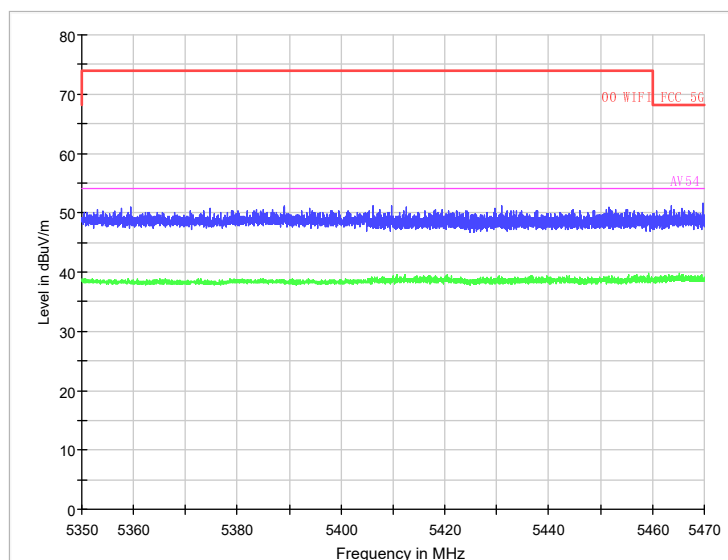


Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11n

Polarization: V

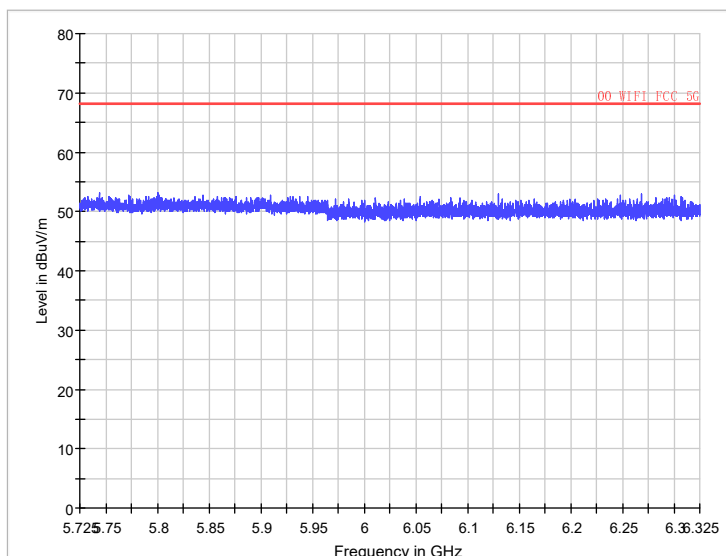


Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11n

Polarization: H

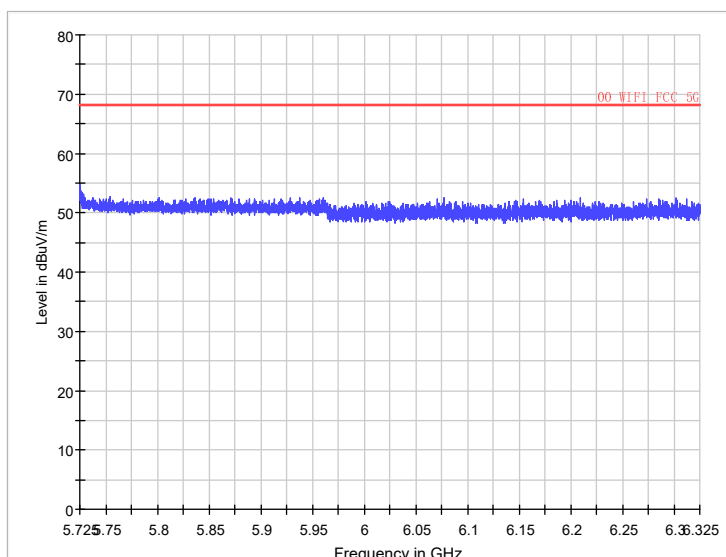


Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11n

Polarization: V

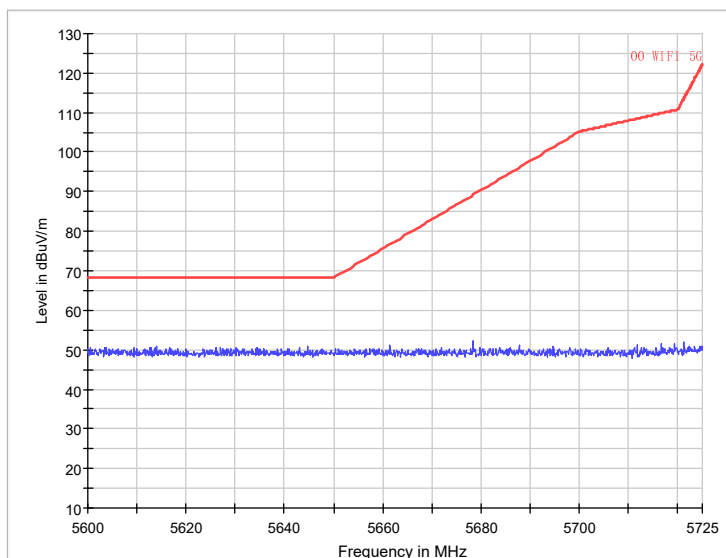


Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11n

Polarization: H

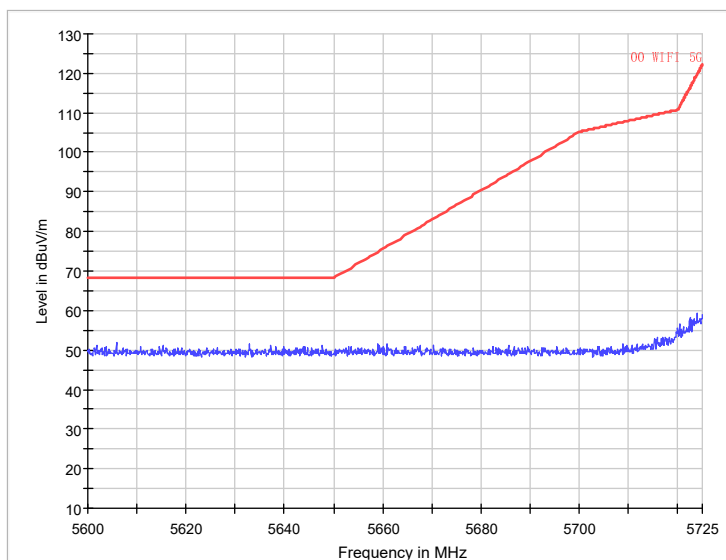


Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11n

Polarization: V

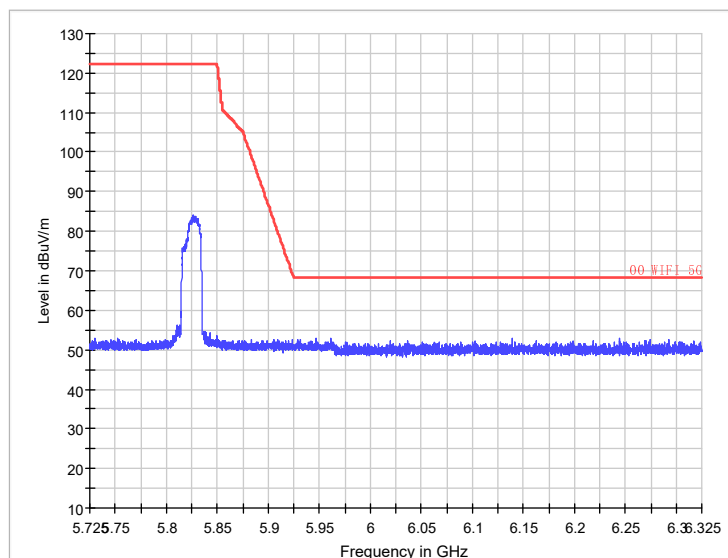


Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11n

Polarization: H

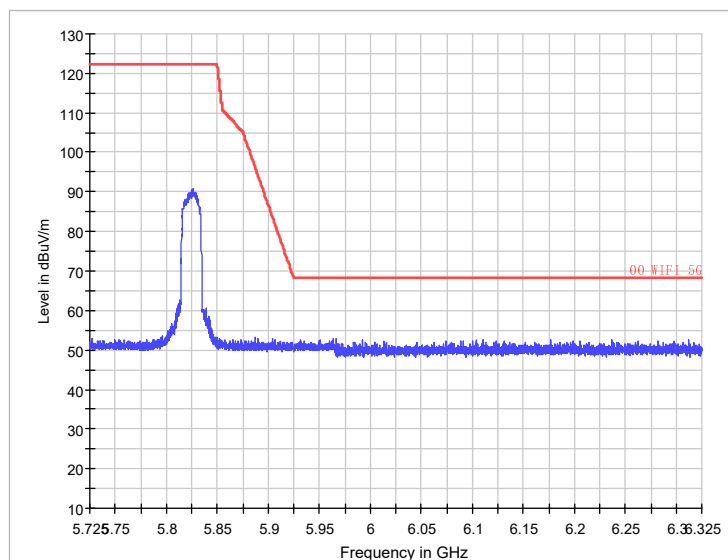


Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11n

Polarization: V

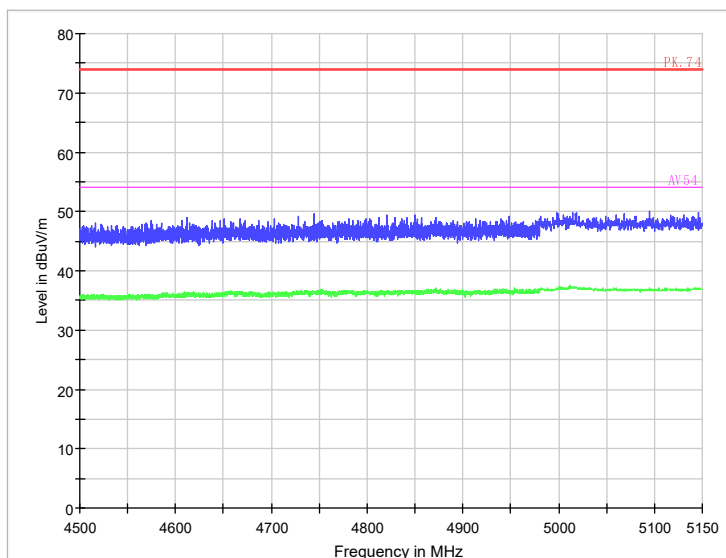


Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11n

Polarization: H

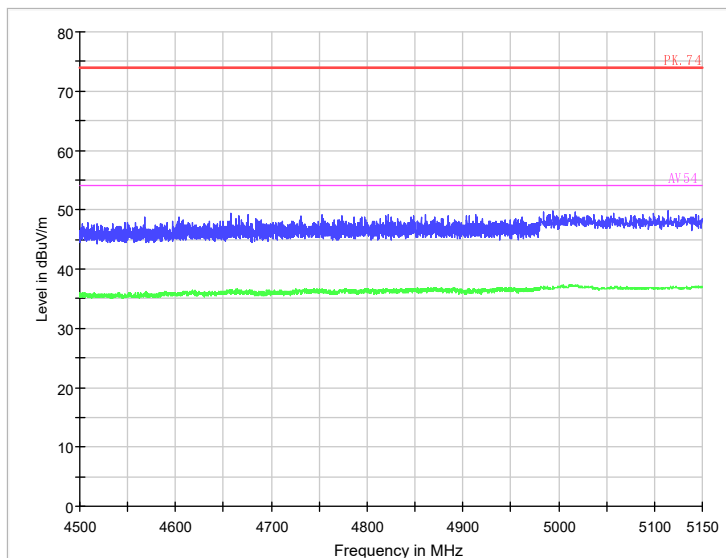


Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11ac

Polarization: V

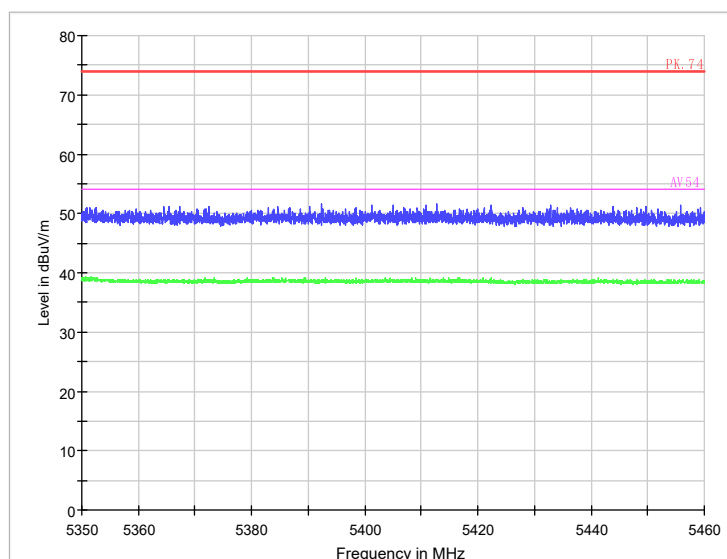


Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11ac

Polarization: H

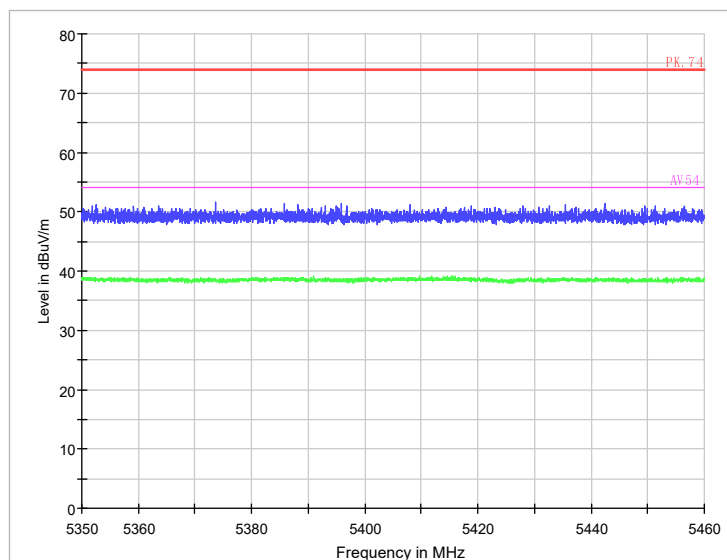


Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11ac

Polarization: V

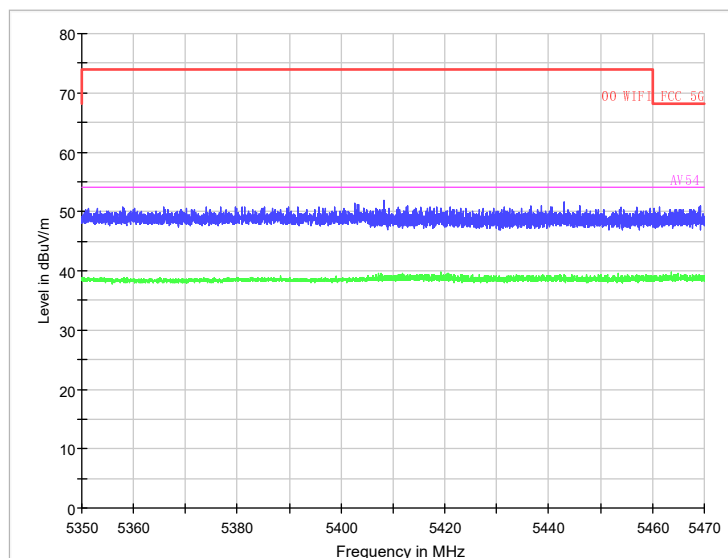


Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11ac

Polarization: H

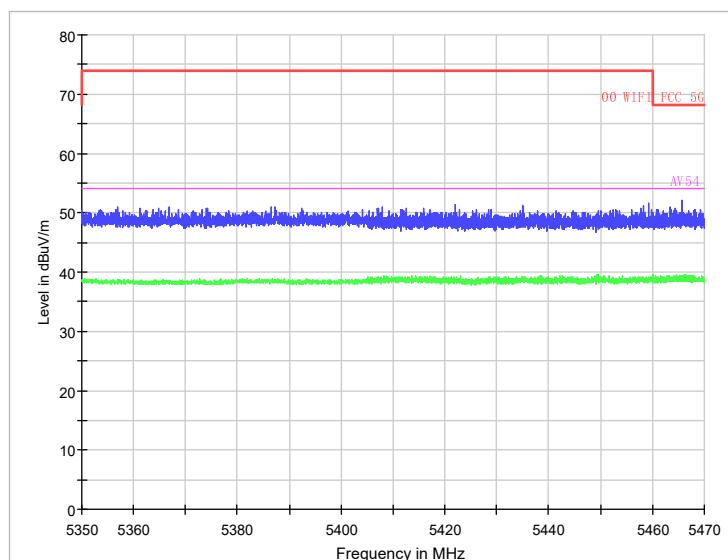


Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11ac

Polarization: V

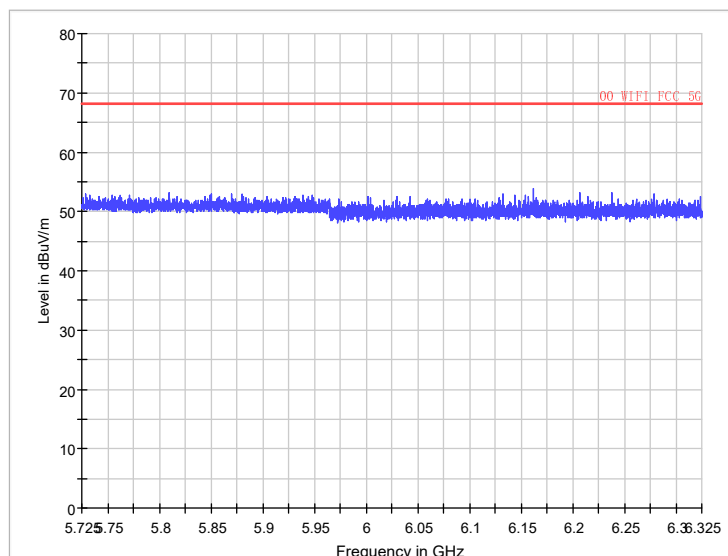


Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11ac

Polarization: H

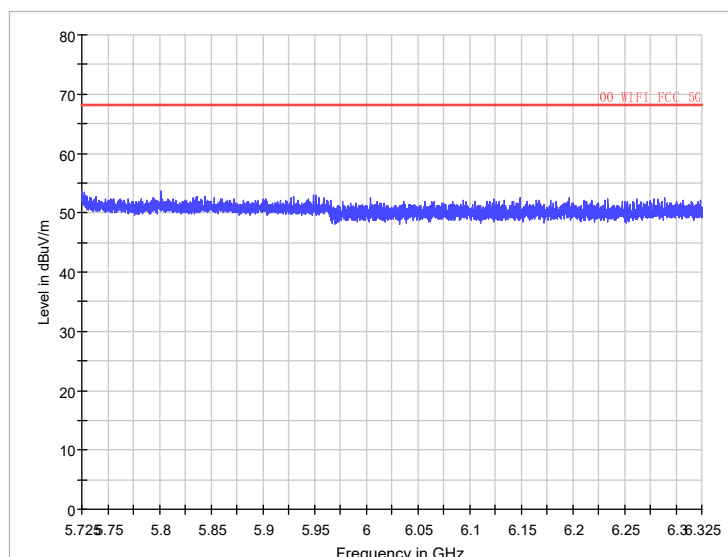


Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11ac

Polarization: V

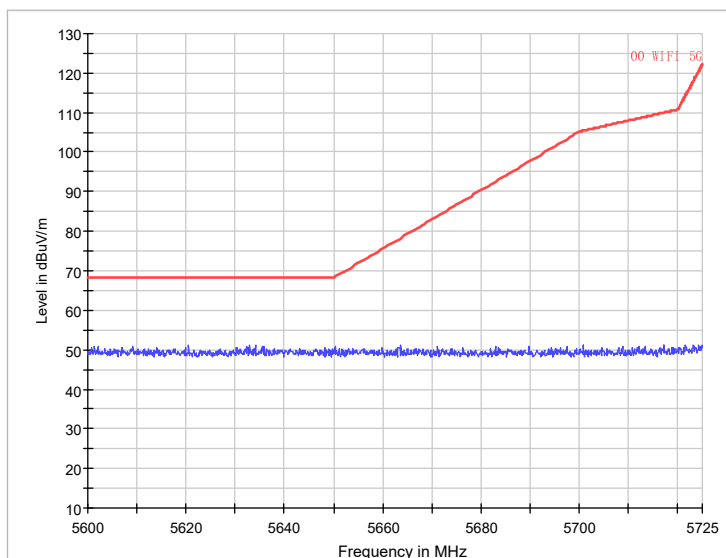


Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11ac

Polarization: H

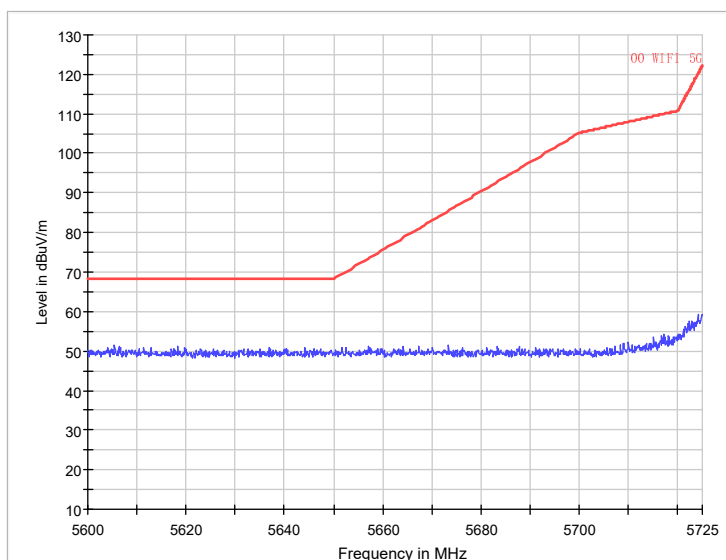


Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11ac

Polarization: V

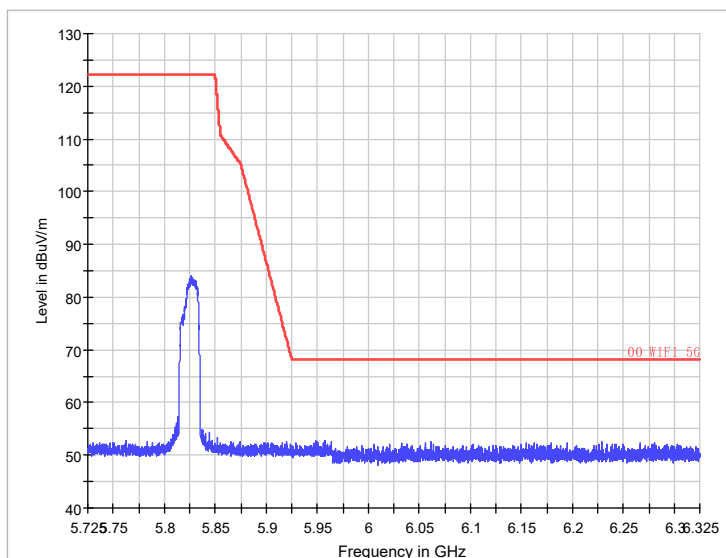


Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11ac

Polarization: H

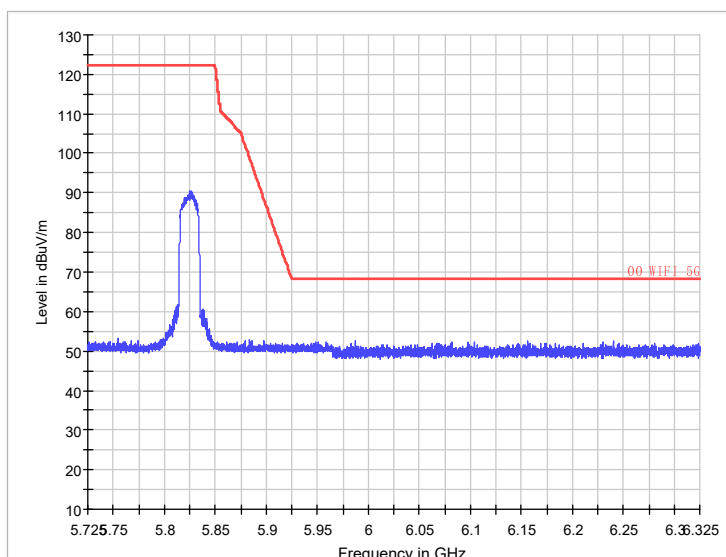


Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11ac

Polarization: V



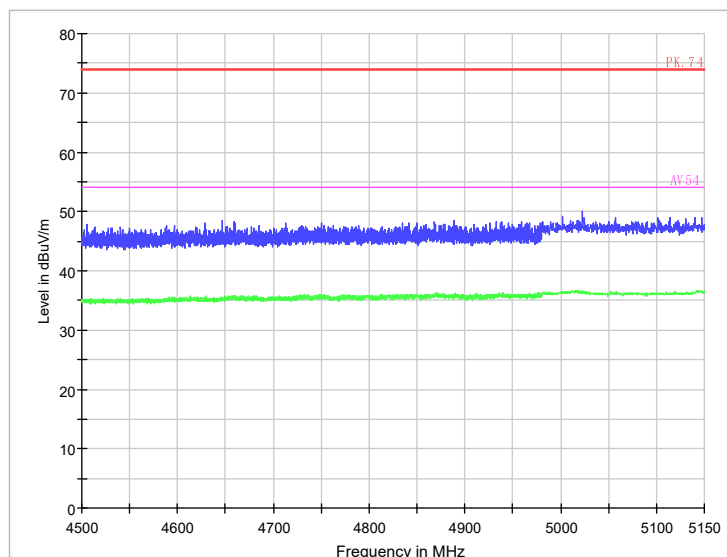
Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11ac

Polarization: H

40M

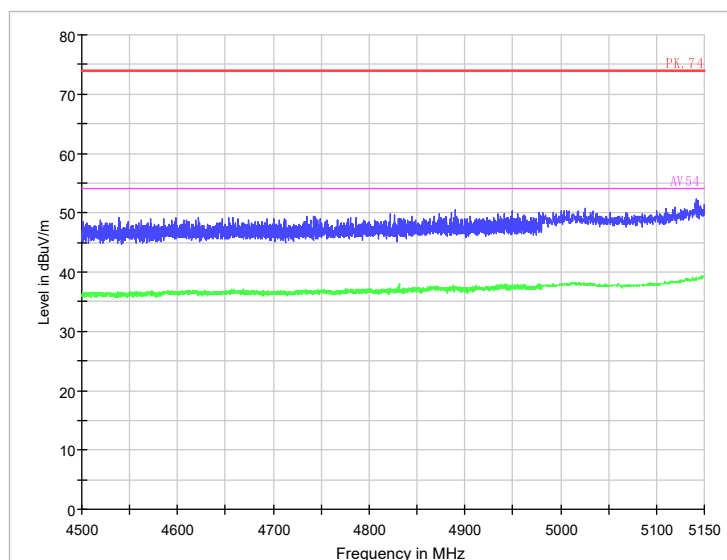


Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11n

Polarization: V

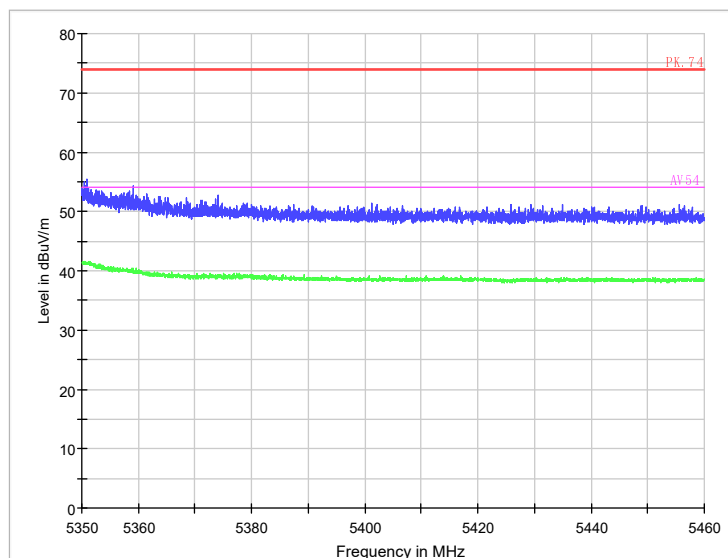


Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11n

Polarization: H

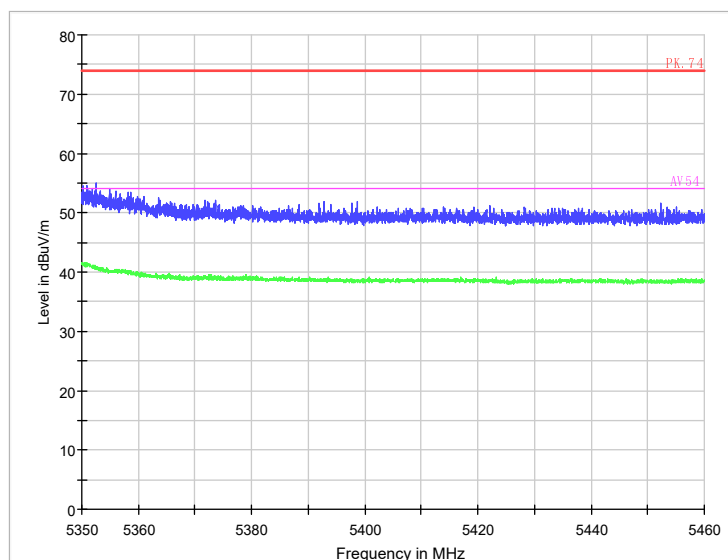


Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11n

Polarization: V

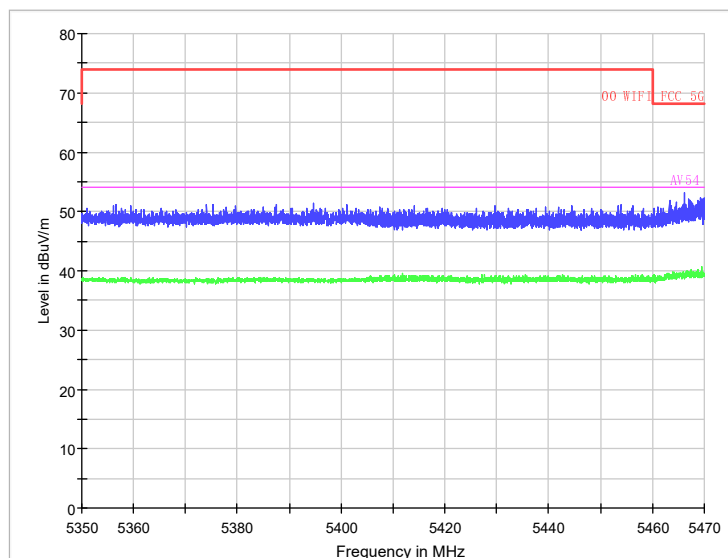


Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11n

Polarization: H

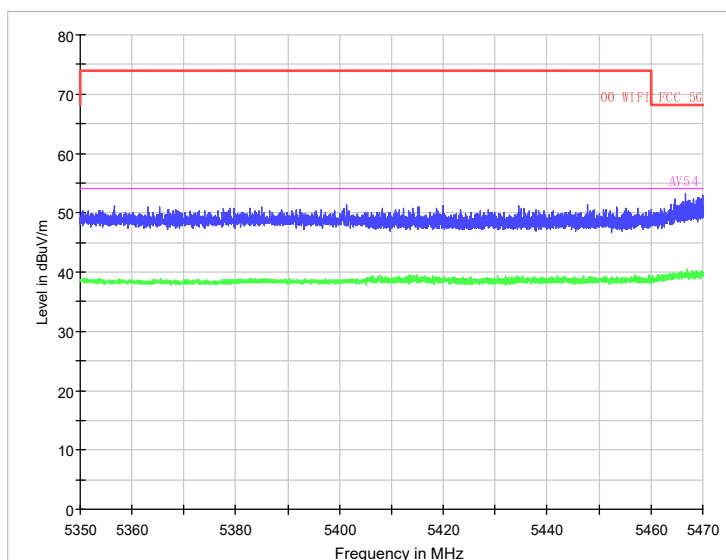


Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11n

Polarization: V

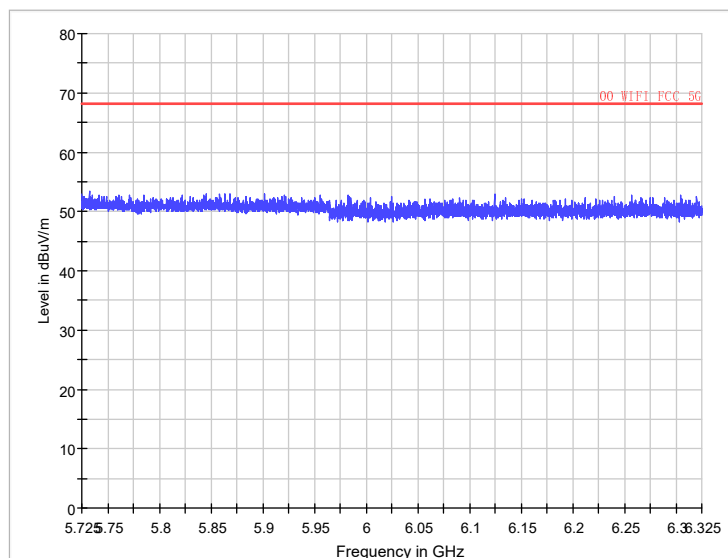


Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11n

Polarization: H

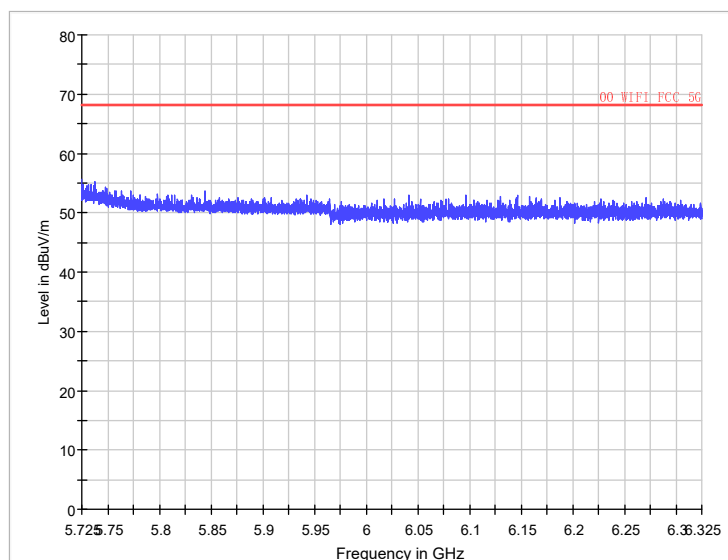


Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11n

Polarization: V

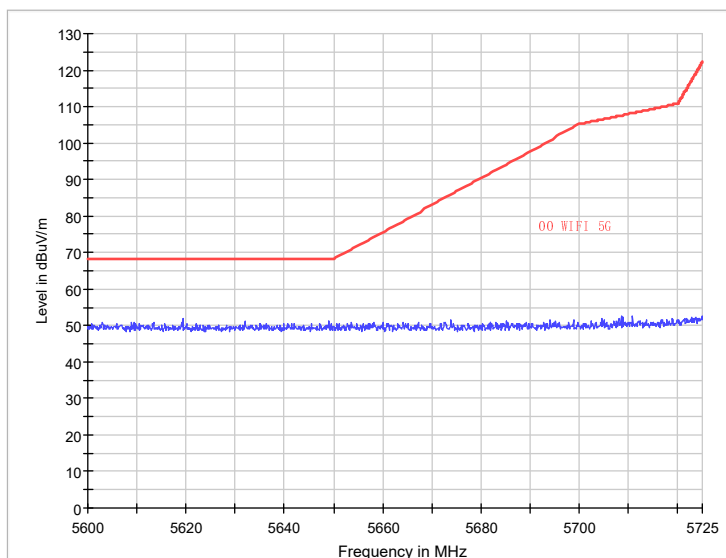


Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11n

Polarization: H

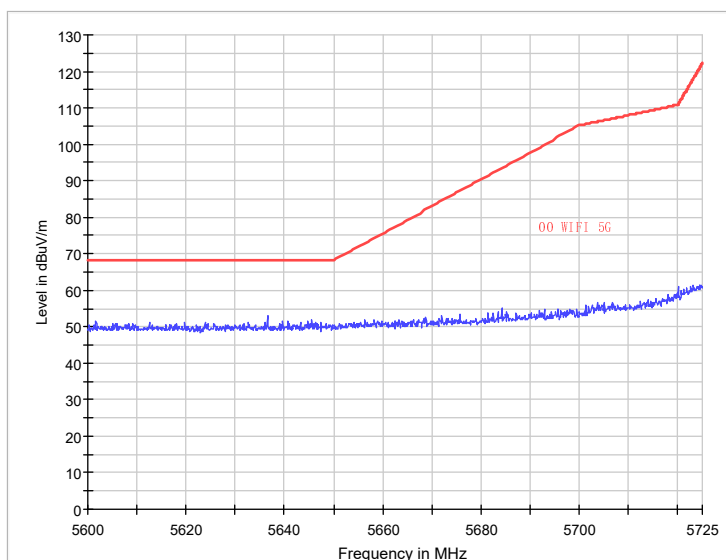


Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11n

Polarization: V

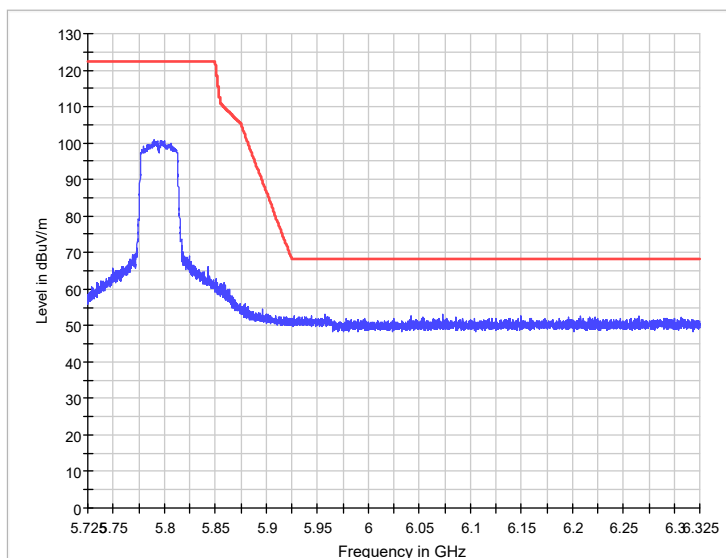


Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11n

Polarization: H

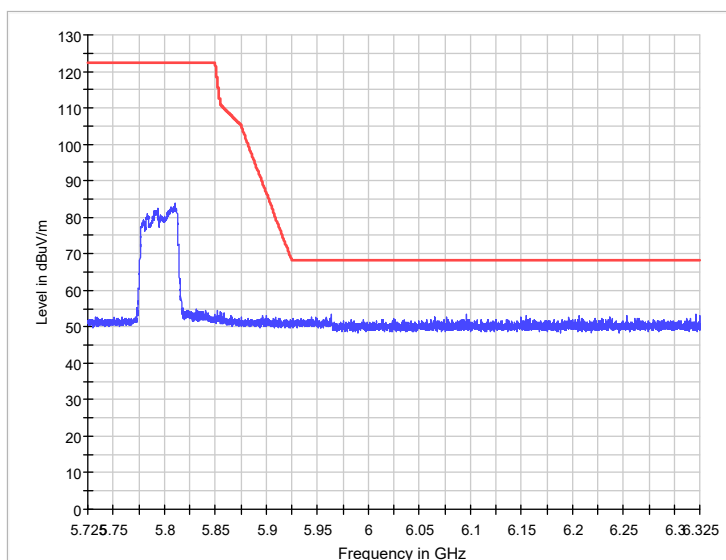


Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11n

Polarization: V

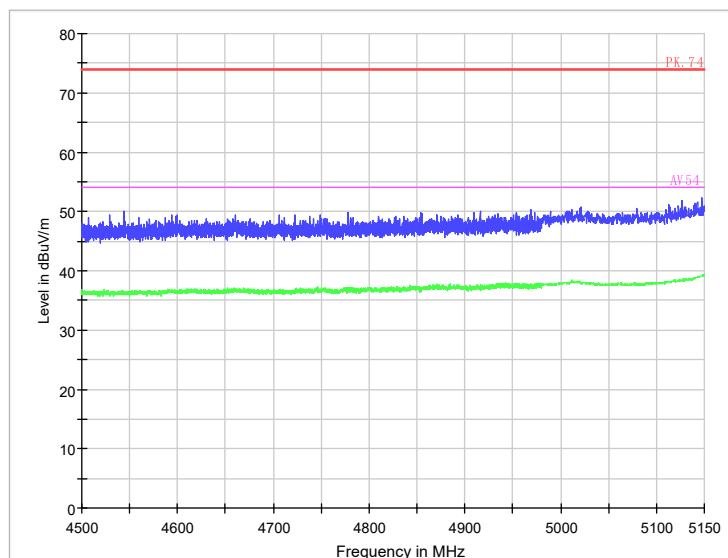


Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11n

Polarization: H

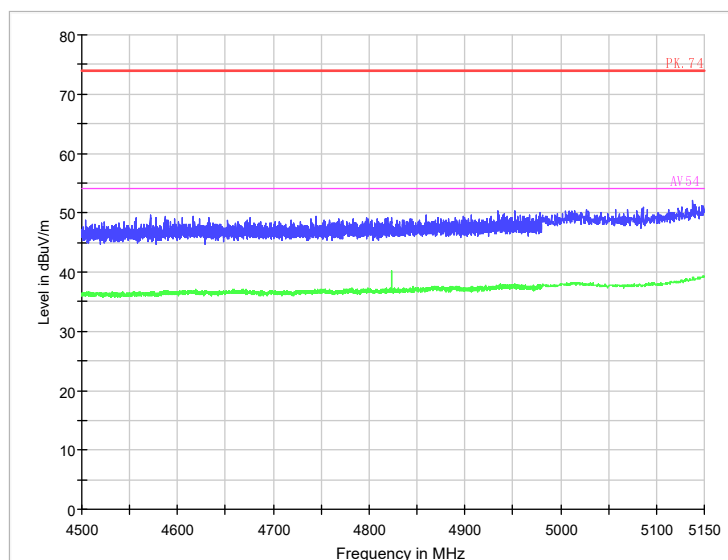


Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ac

Polarization: V

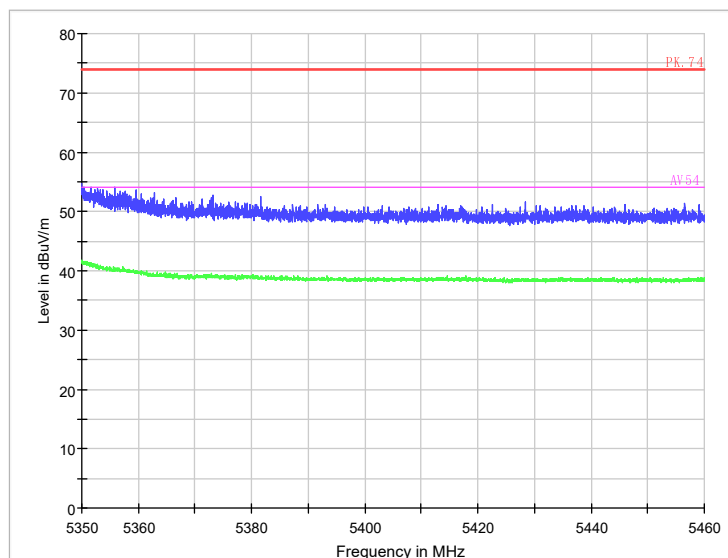


Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ac

Polarization: H

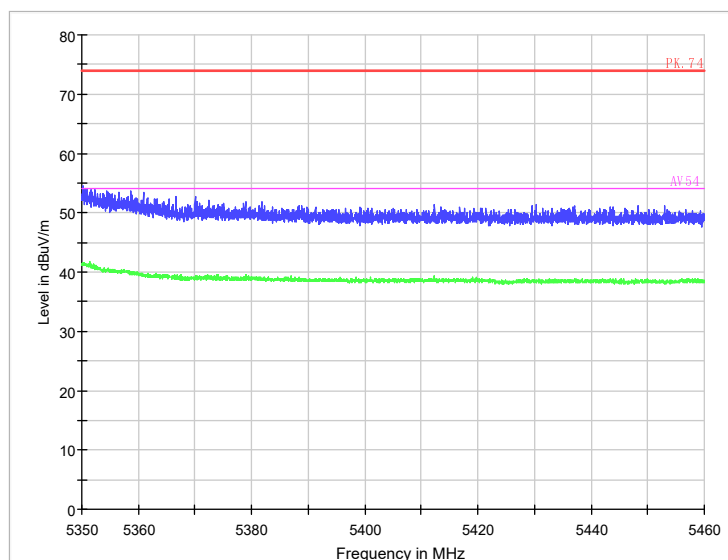


Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ac

Polarization: V

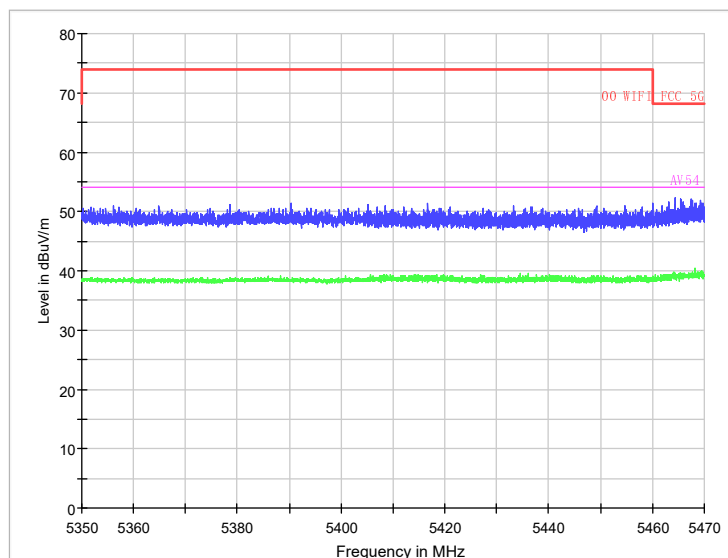


Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ac

Polarization: H

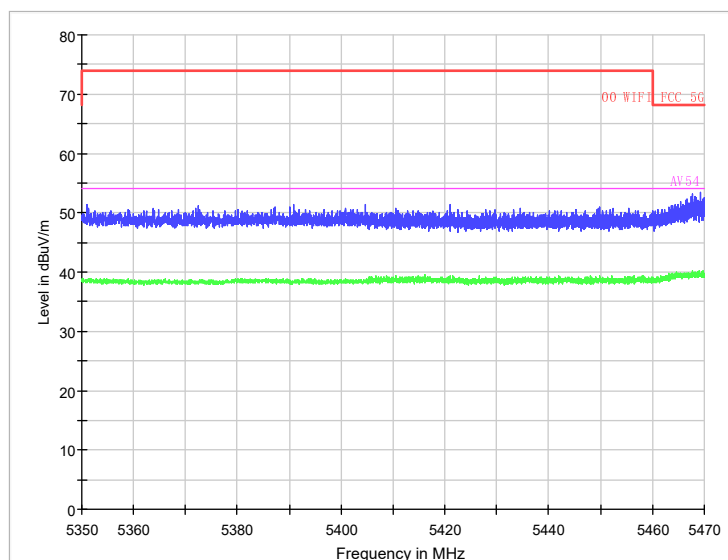


Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ac

Polarization: V

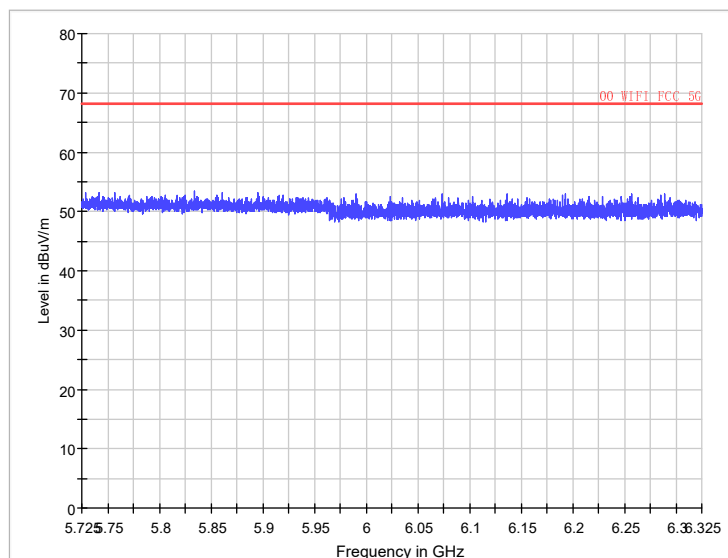


Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ac

Polarization: H

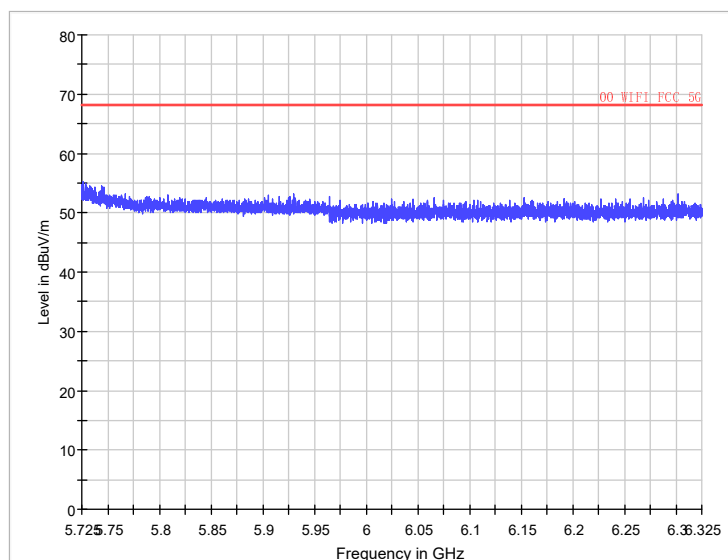


Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ac

Polarization: V

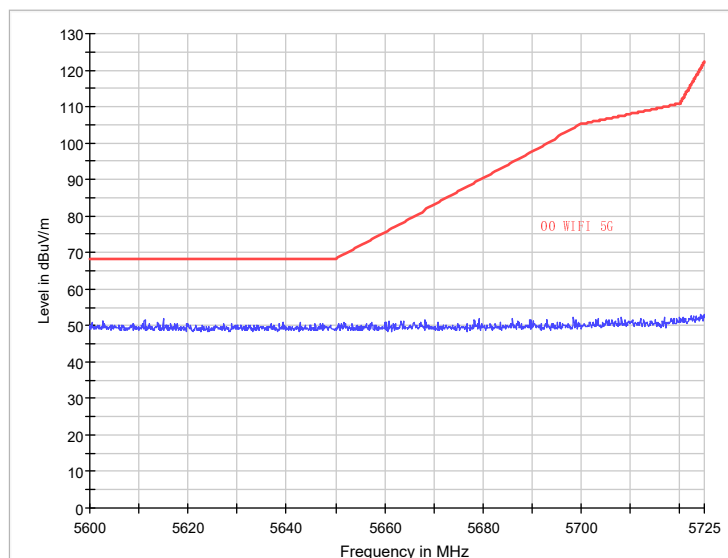


Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ac

Polarization: H

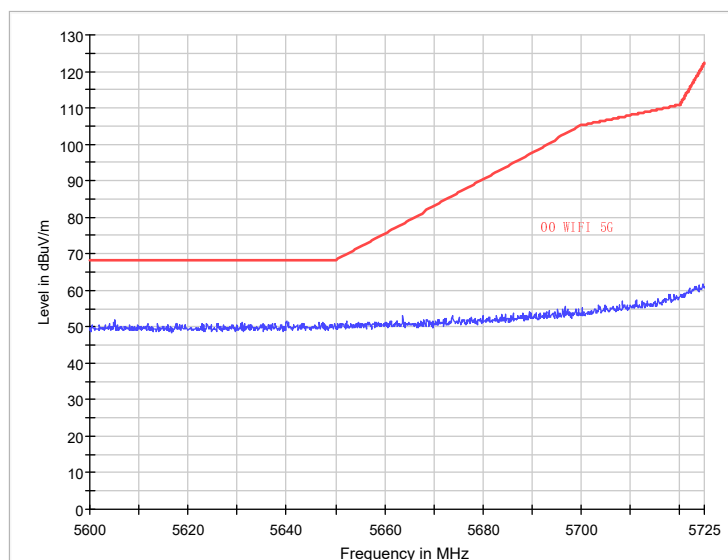


Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ac

Polarization: V

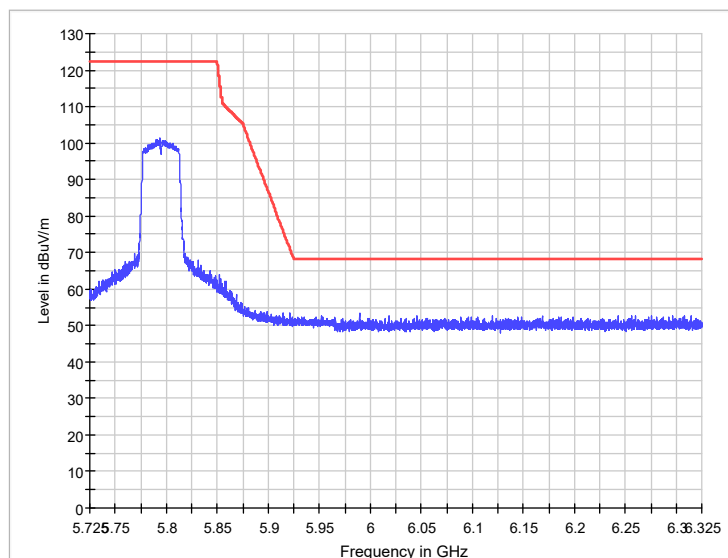


Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ac

Polarization: H

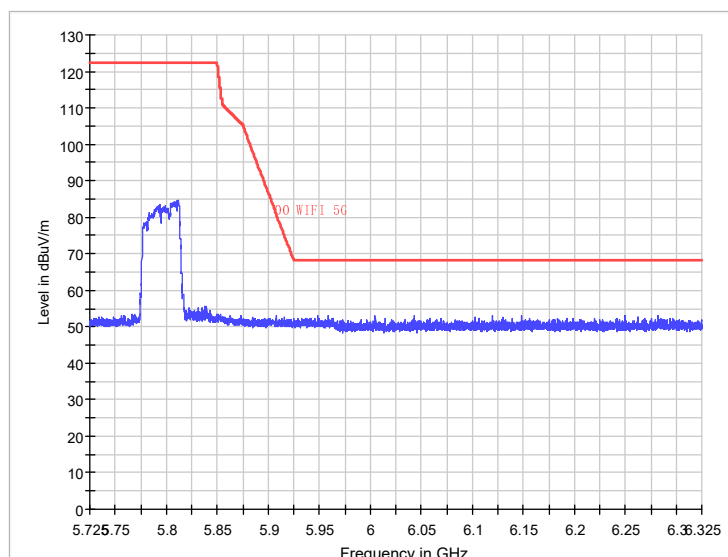


Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ac

Polarization: V



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ac

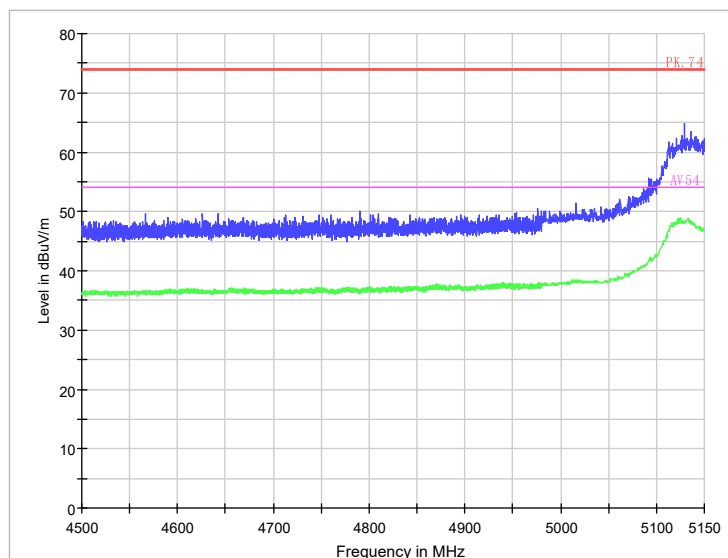
Polarization: H



BUREAU
VERITAS

Test Report No.: PSU-NQN2504020214RF02

80M

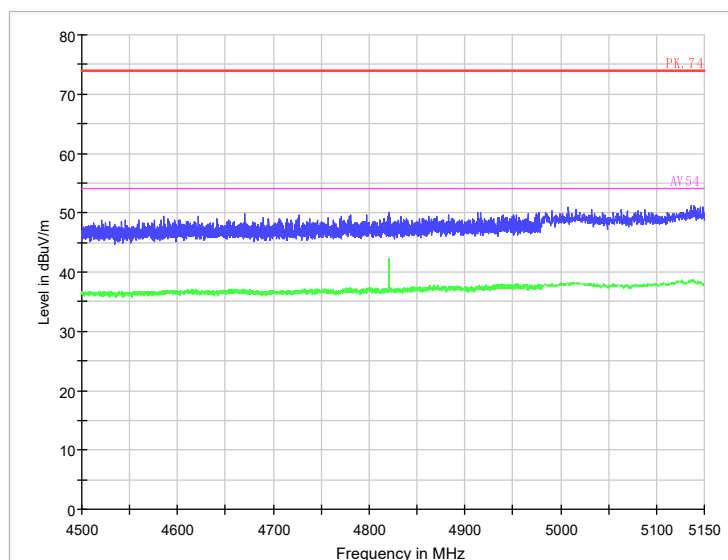


Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ac

Polarization: V

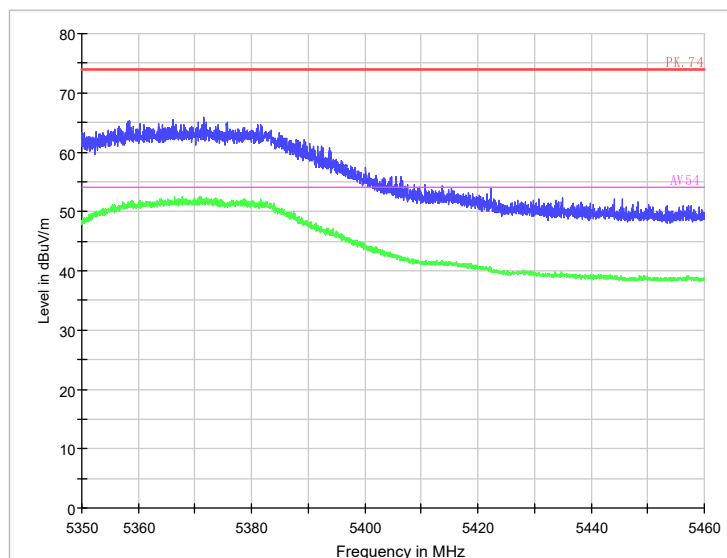


Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ac

Polarization: H

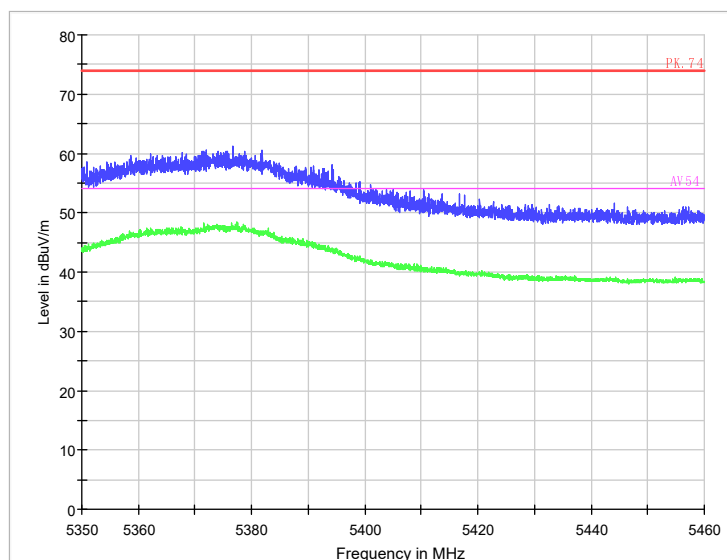


Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ac

Polarization: V

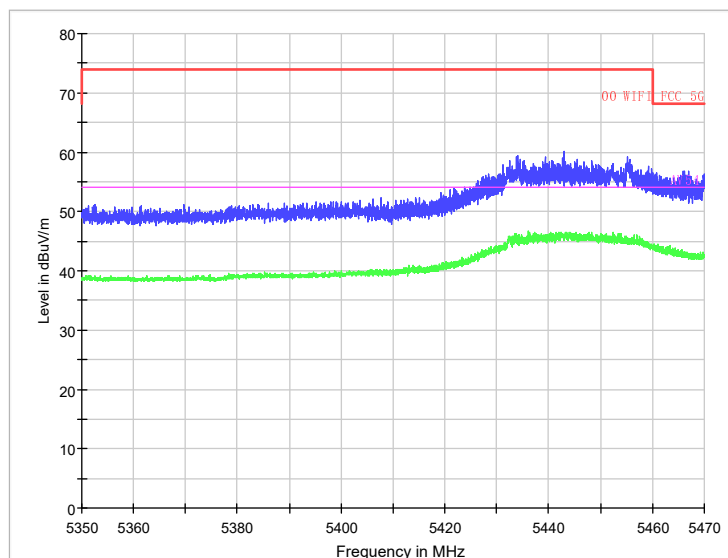


Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ac

Polarization: H

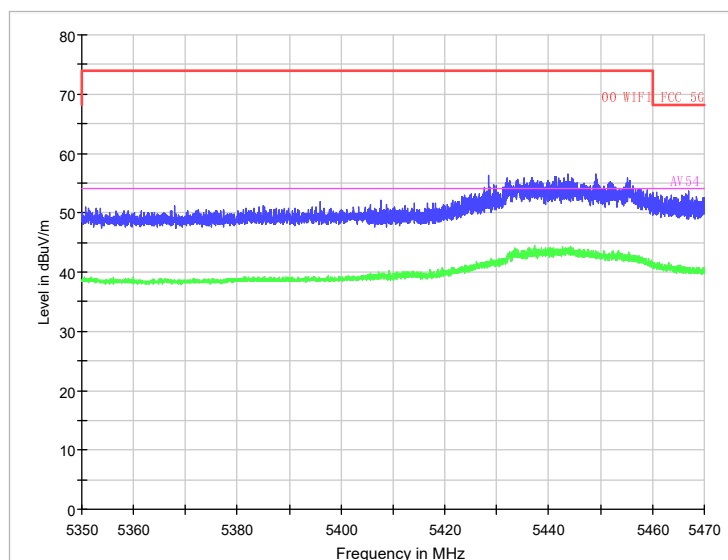


Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ac

Polarization: V

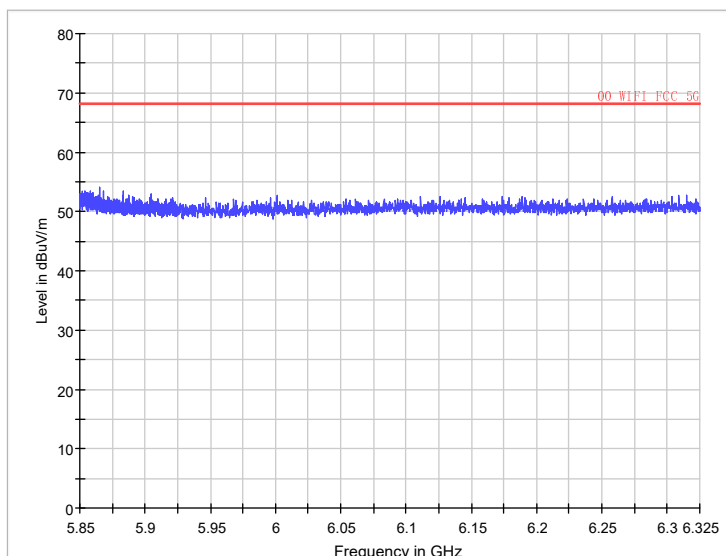


Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ac

Polarization: H

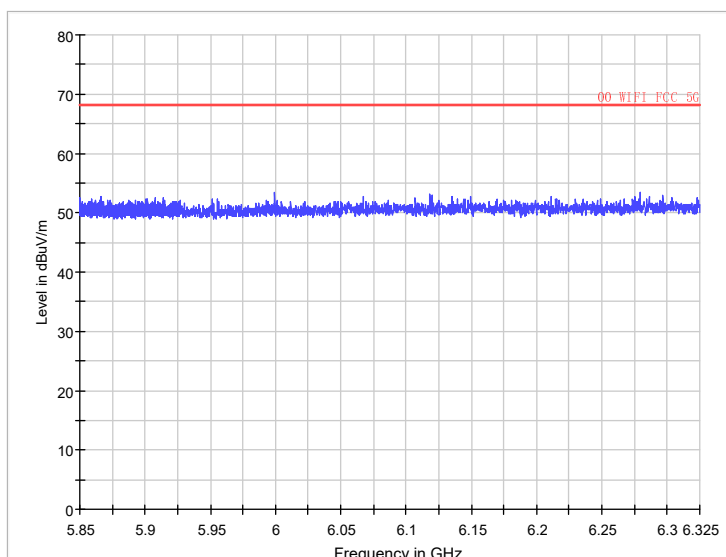


Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ac

Polarization: V

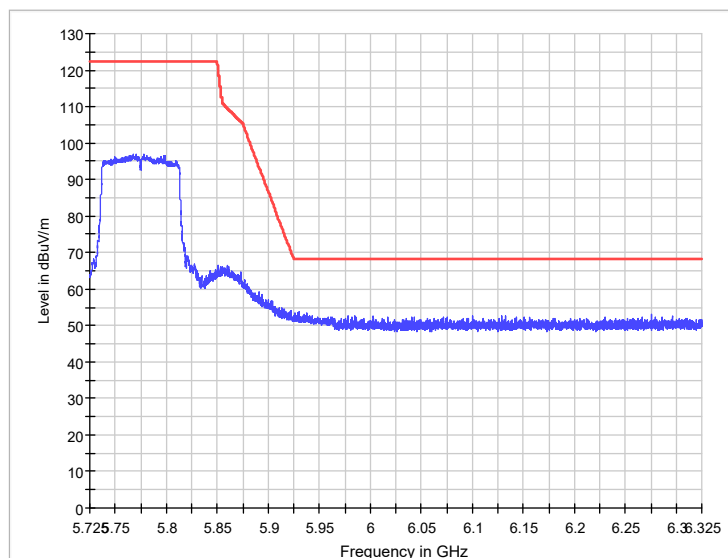


Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ac

Polarization: H

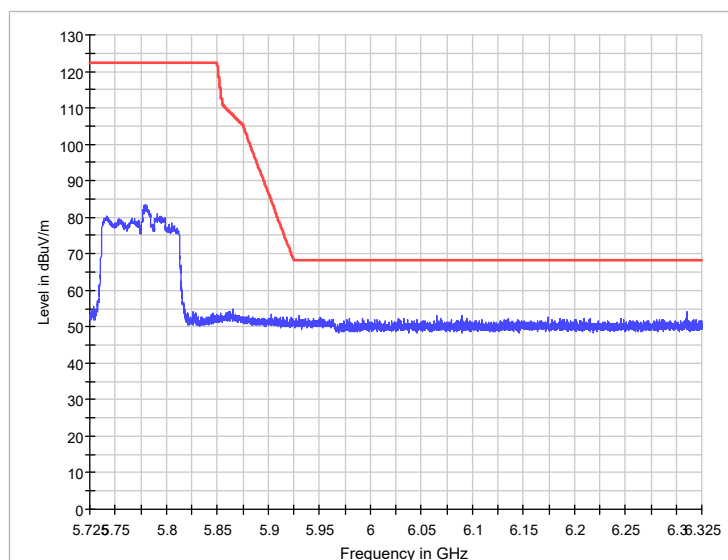


Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization: V

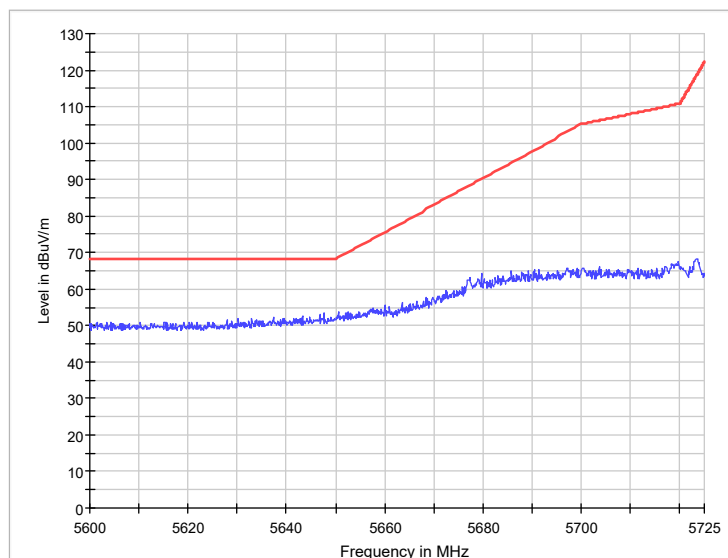


Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization: H

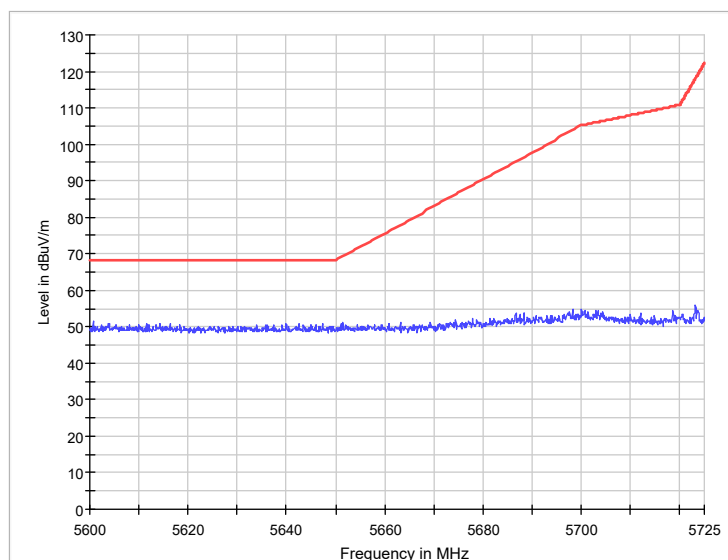


Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization: V



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization: H

Radiated Emission for WIFI

After comparison, the worst case attitude is EUT lay down.

Determining Spurious Emissions Levels

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

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Sample calculation: $(11.65\text{dB}\mu\text{V/m}) = (26.55\text{dB}\mu\text{V}) + (-14.9\text{dB/m})$, the corresponding frequency is 48.042MHz.

For 802.11aChannel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.65	-14.9	26.55	Vertical	40	28.35
84.1745	22.16	-21.2	43.36	Vertical	40	17.84
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.33	-14.2	40.53	Vertical	46	19.67
390.7915	24.26	-11	35.26	Vertical	46	21.74
895.725	27.49	-1	28.49	Vertical	46	18.51

For 802.11n(HT20)Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
84.126	19.95	-21.2	41.15	Vertical	40	20.05
168.322	19.78	-19.1	38.88	Vertical	43.5	23.72
270.5115	22.46	-14.2	36.66	Vertical	46	23.54
499.771	15.27	-8.4	23.67	Vertical	46	30.73
745.569	22.7	-2.9	25.6	Vertical	46	23.3



For 802.11ac(VHT20)Channel No.:36

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
84.126	19.98	-21.2	41.18	Vertical	40	20.02
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.26	-14.2	40.46	Vertical	46	19.74
378.7635	23.66	-11.2	34.86	Vertical	46	22.34
892.5725	21.45	-1	22.45	Vertical	46	24.55

For 802.11aChannel No.:44

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
47.0235	9.57	-15.2	24.77	Vertical	40	30.43
84.126	19.95	-21.2	41.15	Vertical	40	20.05
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
309.8935	16.81	-13.2	30.01	Vertical	46	29.19
313.1915	16.06	-13.1	29.16	Vertical	46	29.94
893.6395	22.15	-1	23.15	Vertical	46	23.85

For 802.11n(HT20)Channel No.:44

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.7	-14.9	28.6	Vertical	40	26.3
84.126	19.95	-21.2	41.15	Vertical	40	20.05
168.322	19.8	-19.1	38.9	Vertical	43.5	23.7
270.56	26.3	-14.2	40.5	Vertical	46	19.7
390.7915	24.25	-11	35.25	Vertical	46	21.75
890.972	25.42	-1	26.42	Vertical	46	20.58



For 802.11ac(VHT20)Channel No.:44

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
84.126	19.91	-21.2	41.11	Vertical	40	20.09
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.32	-14.2	40.52	Vertical	46	19.68
390.7915	24.23	-11	35.23	Vertical	46	21.77
891.3115	20.62	-1	21.62	Vertical	46	25.38

For 802.11aChannel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.63	-14.9	28.53	Vertical	40	26.37
84.1745	22.11	-21.2	43.31	Vertical	40	17.89
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.29	-14.2	40.49	Vertical	46	19.71
390.7915	24.25	-11	35.25	Vertical	46	21.75
904.5035	19.88	-1.1	20.98	Vertical	46	26.12

For 802.11n(HT20)Channel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
84.126	19.95	-21.2	41.15	Vertical	40	20.05
168.322	19.78	-19.1	38.88	Vertical	43.5	23.72
270.5115	22.49	-14.2	36.69	Vertical	46	23.51
390.7915	24.26	-11	35.26	Vertical	46	21.74
895.143	23.65	-1	24.65	Vertical	46	22.35



For 802.11ac(VHT20)Channel No.:48

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.82	-18.1	30.92	Vertical	40	27.18
84.1745	22.11	-21.2	43.31	Vertical	40	17.89
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.27	-14.2	40.47	Vertical	46	19.73
390.7915	24.23	-11	35.23	Vertical	46	21.77
891.554	19.81	-1	20.81	Vertical	46	26.19

For 802.11n(HT40)Channel No.:38

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.63	-14.9	26.53	Vertical	40	28.37
78.112	18.32	-21.7	40.02	Vertical	40	21.68
168.322	19.84	-19.1	38.94	Vertical	43.5	23.66
270.56	26.26	-14.2	40.46	Vertical	46	19.74
390.7915	24.28	-11	35.28	Vertical	46	21.72
877.8285	22.06	-0.9	22.96	Vertical	46	23.94

For 802.11ac(VHT40)Channel No.:38

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.88	-18.1	30.98	Vertical	40	27.12
84.1745	22.16	-21.2	43.36	Vertical	40	17.84
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.32	-14.2	40.52	Vertical	46	19.68
390.7915	24.24	-11	35.24	Vertical	46	21.76
936.2225	20.35	-0.3	20.65	Vertical	46	25.65



For 802.11n(HT40)Channel No.:46

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.78	-18.1	30.88	Vertical	40	27.22
78.112	18.32	-21.7	40.02	Vertical	40	21.68
168.322	19.77	-19.1	38.87	Vertical	43.5	23.73
270.56	26.48	-14.2	40.68	Vertical	46	19.52
378.7635	23.66	-11.2	34.86	Vertical	46	22.34
919.9265	22.39	-0.3	22.69	Vertical	46	23.61

For 802.11ac(VHT40)Channel No.:46

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
84.126	19.94	-21.2	41.14	Vertical	40	20.06
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.32	-14.2	40.52	Vertical	46	19.68
390.7915	24.23	-11	35.23	Vertical	46	21.77
933.943	20.5	-0.3	20.8	Vertical	46	25.5

For 802.11ac(VHT80)Channel No.:42

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.049	9.63	-15.3	24.93	Vertical	40	30.37
84.126	19.93	-21.2	41.13	Vertical	40	20.07
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.31	-14.2	40.51	Vertical	46	19.69
390.7915	24.23	-11	35.23	Vertical	46	21.77
913.961	20.24	-0.6	20.84	Vertical	46	25.76



For 802.11aChannel No.:52

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.8	-18.1	30.9	Vertical	40	27.2
84.126	19.91	-21.2	41.11	Vertical	40	20.09
168.322	19.83	-19.1	38.93	Vertical	43.5	23.67
270.56	26.26	-14.2	40.46	Vertical	46	19.74
390.7915	24.21	-11	35.21	Vertical	46	21.79
920.363	20.52	-0.3	20.82	Vertical	46	25.48

For 802.11n(HT20)Channel No.:52

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.87	-18.1	30.97	Vertical	40	27.13
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.40	-14.2	40.6	Vertical	46	19.6
390.7915	24.21	-11	35.21	Vertical	46	21.79
925.1645	20.55	-0.3	20.85	Vertical	46	25.45

For 802.11ac(VHT20)Channel No.:52

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.85	-18.1	30.95	Vertical	40	27.15
84.126	19.91	-21.2	41.11	Vertical	40	20.09
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.36	-14.2	40.56	Vertical	46	19.64
390.7915	24.21	-11	35.21	Vertical	46	21.79
745.5205	22.53	-2.9	25.43	Vertical	46	23.47



For 802.11aChannel No.:60

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.82	-18.1	30.92	Vertical	40	27.18
78.112	18.28	-21.7	39.98	Vertical	40	21.72
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.37	-14.2	40.57	Vertical	46	19.63
390.7915	24.23	-11	35.23	Vertical	46	21.77
922.6425	20.56	-0.3	20.86	Vertical	46	25.44

For 802.11n(HT20)Channel No.:60

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
78.112	18.3	-21.7	40	Vertical	40	21.7
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.34	-14.2	40.54	Vertical	46	19.66
390.7915	24.24	-11	35.24	Vertical	46	21.76
918.7625	20.55	-0.3	20.85	Vertical	46	25.45

For 802.11ac(VHT20)Channel No.:60

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.57	-14.9	26.47	Vertical	40	28.43
84.1745	22.11	-21.2	43.31	Vertical	40	17.89
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.37	-14.2	40.57	Vertical	46	19.63
378.7635	23.69	-11.2	34.89	Vertical	46	22.31
982.8795	20.68	0	20.68	Vertical	54	33.32



For 802.11aChannel No.:64

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.66	-14.9	26.56	Vertical	40	28.34
84.126	19.93	-21.2	41.13	Vertical	40	20.07
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.11	-14.2	40.31	Vertical	46	19.89
390.7915	24.23	-11	35.23	Vertical	46	21.77
982.637	20.77	0	20.77	Vertical	54	33.23

For 802.11n(HT20)Channel No.:64

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.83	-18.1	30.93	Vertical	40	27.17
84.1745	22.1	-21.2	43.3	Vertical	40	17.9
168.322	19.78	-19.1	38.88	Vertical	43.5	23.72
270.56	26.31	-14.2	40.51	Vertical	46	19.69
390.7915	24.17	-11	35.17	Vertical	46	21.83
939.569	20.34	-0.4	20.74	Vertical	46	25.66

For 802.11ac(VHT20)Channel No.:64

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
78.112	18.3	-21.7	40	Vertical	40	21.7
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
264.546	25.19	-14.4	39.59	Vertical	46	20.81
390.7915	24.21	-11	35.21	Vertical	46	21.79
932.488	20.62	-0.2	20.82	Vertical	46	25.38



For 802.11n(HT40)Channel No.:54

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
44.259	9.39	-15.6	24.99	Vertical	40	30.61
84.126	20.07	-21.2	41.27	Vertical	40	19.93
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.83	-14.2	41.03	Vertical	46	19.17
390.7915	24.27	-11	35.27	Vertical	46	21.73
877.8285	22.17	-0.9	23.07	Vertical	46	23.83

For 802.11ac(VHT40)Channel No.:54

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
78.112	18.3	-21.7	40	Vertical	40	21.7
168.322	19.72	-19.1	38.82	Vertical	43.5	23.78
199.168	22.43	-16	38.43	Vertical	43.5	21.07
390.7915	24.24	-11	35.24	Vertical	46	21.76
937.9685	22.63	-0.4	23.03	Vertical	46	23.37

For 802.11n(HT40)Channel No.:62

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.85	-18.1	30.95	Vertical	40	27.15
84.126	19.9	-21.2	41.1	Vertical	40	20.1
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.33	-14.2	40.53	Vertical	46	19.67
378.7635	23.66	-11.2	34.86	Vertical	46	22.34
937.9685	22.64	-0.4	23.04	Vertical	46	23.36



For 802.11ac(VHT40)Channel No.:62

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
84.126	19.94	-21.2	41.14	Vertical	40	20.06
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.39	-14.2	40.59	Vertical	46	19.61
390.7915	24.2	-11	35.2	Vertical	46	21.8
925.9405	21.45	-0.2	21.65	Vertical	46	24.55

For 802.11ac(VHT80)Channel No.:58

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.69	-14.9	28.59	Vertical	40	26.31
78.112	18.33	-21.7	40.03	Vertical	40	21.67
168.322	19.71	-19.1	38.81	Vertical	43.5	23.79
270.56	26.27	-14.2	40.47	Vertical	46	19.73
390.7915	24.22	-11	35.22	Vertical	46	21.78
865.8005	22.49	-1.1	23.59	Vertical	46	23.51

For 802.11aChannel No.:100

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.6	-14.9	26.5	Vertical	40	28.4
84.126	19.93	-21.2	41.13	Vertical	40	20.07
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.35	-14.2	40.55	Vertical	46	19.65
390.7915	24.2	-11	35.2	Vertical	46	21.8
893.3	19.85	-1	20.85	Vertical	46	26.15



For 802.11n(HT20)Channel No.:100

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.73	-14.9	28.63	Vertical	40	26.27
78.112	18.35	-21.7	40.05	Vertical	40	21.65
168.322	19.79	-19.1	38.89	Vertical	43.5	23.71
270.56	26.33	-14.2	40.53	Vertical	46	19.67
378.7635	23.67	-11.2	34.87	Vertical	46	22.33
892.718	20.74	-1	21.74	Vertical	46	25.26

For 802.11ac(VHT20)Channel No.:100

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.65	-14.9	26.55	Vertical	40	28.35
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.29	-14.2	40.49	Vertical	46	19.71
390.7915	24.22	-11	35.22	Vertical	46	21.78
865.4125	19.69	-1.1	20.79	Vertical	46	26.31

For 802.11aChannel No.:120

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.6	-14.9	26.5	Vertical	40	28.4
84.126	19.93	-21.2	41.13	Vertical	40	20.07
99.646	11.08	-16.9	27.98	Vertical	43.5	32.42
270.56	26.36	-14.2	40.56	Vertical	46	19.64
390.7915	24.23	-11	35.23	Vertical	46	21.77
891.748	19.89	-1	20.89	Vertical	46	26.11



For 802.11n(HT20)Channel No.:120

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.82	-18.1	30.92	Vertical	40	27.18
84.1745	22.1	-21.2	43.3	Vertical	40	17.9
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.32	-14.2	40.52	Vertical	46	19.68
390.7915	24.55	-11	35.55	Vertical	46	21.45
937.9685	22.66	-0.4	23.06	Vertical	46	23.34

For 802.11ac(VHT20)Channel No.:120

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.55	-14.9	26.45	Vertical	40	28.45
84.1745	22.11	-21.2	43.31	Vertical	40	17.89
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.35	-14.2	40.55	Vertical	46	19.65
390.7915	24.22	-11	35.22	Vertical	46	21.78
878.4105	19.79	-0.9	20.69	Vertical	46	26.21

For 802.11aChannel No.:140

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.71	-19.1	38.81	Vertical	43.5	23.79
270.56	26.20	-14.2	40.4	Vertical	46	19.8
390.7915	24.22	-11	35.22	Vertical	46	21.78
901.642	19.68	-1.1	20.78	Vertical	46	26.32



For 802.11n(HT20)Channel No.:140

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.80	-18.1	30.9	Vertical	40	27.2
78.112	18.31	-21.7	40.01	Vertical	40	21.69
168.322	19.72	-19.1	38.82	Vertical	43.5	23.78
270.56	26.20	-14.2	40.4	Vertical	46	19.8
378.7635	23.67	-11.2	34.87	Vertical	46	22.33
947.135	20.33	-0.6	20.93	Vertical	46	25.67

For 802.11ac(VHT20)Channel No.:140

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.82	-18.1	30.92	Vertical	40	27.18
78.1605	21.87	-21.7	43.57	Vertical	40	18.13
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.35	-14.2	40.55	Vertical	46	19.65
390.7915	24.24	-11	35.24	Vertical	46	21.76
944.225	20.08	-0.6	20.68	Vertical	46	25.92

For 802.11n(HT40)Channel No.:102

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.63	-14.9	26.53	Vertical	40	28.37
84.126	19.9	-21.2	41.1	Vertical	40	20.1
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.40	-14.2	40.6	Vertical	46	19.6
390.7915	24.22	-11	35.22	Vertical	46	21.78
940.4905	20.23	-0.4	20.63	Vertical	46	25.77



For 802.11ac(VHT40)Channel No.:102

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.62	-14.9	26.52	Vertical	40	28.38
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
270.56	26.31	-14.2	40.51	Vertical	46	19.69
390.7915	24.28	-11	35.28	Vertical	46	21.72
745.569	22.83	-2.9	25.73	Vertical	46	23.17

For 802.11n(HT40)Channel No.:118

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.85	-18.1	30.95	Vertical	40	27.15
84.126	19.93	-21.2	41.13	Vertical	40	20.07
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.31	-14.2	40.51	Vertical	46	19.69
390.7915	24.24	-11	35.24	Vertical	46	21.76
745.569	22.83	-2.9	25.73	Vertical	46	23.17

For 802.11ac(VHT40)Channel No.:118

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.83	-18.1	30.93	Vertical	40	27.17
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.71	-19.1	38.81	Vertical	43.5	23.79
270.56	26.46	-14.2	40.66	Vertical	46	19.54
390.7915	24.22	-11	35.22	Vertical	46	21.78
919.878	22.16	-0.3	22.46	Vertical	46	23.84



For 802.11n(HT40)Channel No.:142

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.85	-18.1	30.95	Vertical	40	27.15
78.112	18.32	-21.7	40.02	Vertical	40	21.68
168.322	19.77	-19.1	38.87	Vertical	43.5	23.73
264.4975	21.29	-14.4	35.69	Vertical	46	24.71
390.7915	24.22	-11	35.22	Vertical	46	21.78
933.555	20.44	-0.2	20.64	Vertical	46	25.56

For 802.11ac(VHT40)Channel No.:142

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.84	-18.1	30.94	Vertical	40	27.16
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.78	-19.1	38.88	Vertical	43.5	23.72
264.546	25.05	-14.4	39.45	Vertical	46	20.95
399.9095	16.72	-10.7	27.42	Vertical	46	29.28
930.2085	20.59	-0.1	20.69	Vertical	46	25.41

For 802.11ac(VHT80)Channel No.:106

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
46.7325	9.66	-15.3	24.96	Vertical	40	30.34
84.126	19.93	-21.2	41.13	Vertical	40	20.07
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.37	-14.2	40.57	Vertical	46	19.63
390.7915	24.25	-11	35.25	Vertical	46	21.75
939.375	20.3	-0.4	20.7	Vertical	46	25.7



For 802.11ac(VHT80)Channel No.:122

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.73	-14.9	28.63	Vertical	40	26.27
78.112	18.29	-21.7	39.99	Vertical	40	21.71
168.322	19.72	-19.1	38.82	Vertical	43.5	23.78
270.56	26.38	-14.2	40.58	Vertical	46	19.62
378.7635	23.68	-11.2	34.88	Vertical	46	22.32
745.5205	22.48	-2.9	25.38	Vertical	46	23.52

For 802.11ac(VHT80)Channel No.:138

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.82	-18.1	30.92	Vertical	40	27.18
84.1745	22.12	-21.2	43.32	Vertical	40	17.88
138.252	17.73	-20	37.73	Vertical	43.5	25.77
270.56	26.39	-14.2	40.59	Vertical	46	19.61
390.7915	24.23	-11	35.23	Vertical	46	21.77
895.8705	21.66	-1	22.66	Vertical	46	24.34

For 802.11aChannel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
44.55	9.62	-15.6	25.22	Vertical	40	30.39
84.1745	22.12	-21.2	43.32	Vertical	40	17.88
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.36	-14.2	40.56	Vertical	46	19.64
390.7915	24.24	-11	35.24	Vertical	46	21.76
941.412	20.23	-0.4	20.63	Vertical	46	25.77



For 802.11n(HT20)Channel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.70	-14.9	28.6	Vertical	40	26.3
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.27	-14.2	40.47	Vertical	46	19.73
390.7915	24.22	-11	35.22	Vertical	46	21.79
919.8295	20.81	-0.3	21.11	Vertical	46	25.19

For 802.11ac(VHT20)Channel No.:149

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.58	-14.9	26.48	Vertical	40	28.42
84.126	19.89	-21.2	41.09	Vertical	40	20.11
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
299.66	23.35	-13.4	36.75	Vertical	46	22.65
378.7635	23.69	-11.2	34.89	Vertical	46	22.31
882.3875	19.77	-0.9	20.67	Vertical	46	26.23

For 802.11aChannel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.80	-18.1	30.9	Vertical	40	27.2
78.112	18.27	-21.7	39.97	Vertical	40	21.73
168.322	19.71	-19.1	38.81	Vertical	43.5	23.79
270.56	26.27	-14.2	40.47	Vertical	46	19.73
378.7635	23.69	-11.2	34.89	Vertical	46	22.31
980.697	20.77	0	20.77	Vertical	54	33.23



For 802.11n(HT20)Channel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
84.1745	22.18	-21.2	43.38	Vertical	40	17.82
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.32	-14.2	40.52	Vertical	46	19.68
390.7915	24.25	-11	35.25	Vertical	46	21.75
906.5405	19.81	-1	20.81	Vertical	46	26.19

For 802.11ac(VHT20)Channel No.:157

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.86	-18.1	30.96	Vertical	40	27.14
78.112	18.26	-21.7	39.96	Vertical	40	21.74
168.322	19.75	-19.1	38.85	Vertical	43.5	23.75
270.56	26.42	-14.2	40.62	Vertical	46	19.58
390.7915	24.24	-11	35.24	Vertical	46	21.76
936.368	20.45	-0.3	20.75	Vertical	46	25.55

For 802.11aChannel No.:165

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.74	-14.9	28.64	Vertical	40	26.26
78.112	18.24	-21.7	39.94	Vertical	40	21.76
168.322	19.74	-19.1	38.84	Vertical	43.5	23.76
264.546	25.03	-14.4	39.43	Vertical	46	20.97
390.7915	24.20	-11	35.2	Vertical	46	21.8
931.712	20.60	-0.1	20.7	Vertical	46	25.4



For 802.11n(HT20)Channel No.:165

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.0905	13.75	-14.9	28.65	Vertical	40	26.25
84.126	19.92	-21.2	41.12	Vertical	40	20.08
168.322	19.79	-19.1	38.89	Vertical	43.5	23.71
270.56	26.34	-14.2	40.54	Vertical	46	19.66
390.7915	24.25	-11	35.25	Vertical	46	21.75
924.6795	20.50	-0.3	20.8	Vertical	46	25.5

For 802.11ac(VHT20)Channel No.:165

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
78.112	18.24	-21.7	39.94	Vertical	40	21.76
168.322	19.70	-19.1	38.8	Vertical	43.5	23.8
270.56	26.37	-14.2	40.57	Vertical	46	19.63
390.7915	24.18	-11	35.18	Vertical	46	21.82
937.9685	22.70	-0.4	23.1	Vertical	46	23.3

For 802.11n(HT40)Channel No.:151

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.83	-18.1	30.93	Vertical	40	27.17
84.126	19.85	-21.2	41.05	Vertical	40	20.15
168.322	19.71	-19.1	38.81	Vertical	43.5	23.79
270.56	26.30	-14.2	40.5	Vertical	46	19.7
390.7915	24.17	-11	35.17	Vertical	46	21.83
952.47	19.91	-0.6	20.51	Vertical	46	26.09



For 802.11ac(VHT40)Channel No.:151

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.79	-18.1	30.89	Vertical	40	27.21
84.1745	22.09	-21.2	43.29	Vertical	40	17.91
168.322	19.69	-19.1	38.79	Vertical	43.5	23.81
270.56	26.35	-14.2	40.55	Vertical	46	19.65
390.7915	24.17	-11	35.17	Vertical	46	21.83
943.5945	20.11	-0.5	20.61	Vertical	46	25.89

For 802.11n(HT40)Channel No.:159

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
48.042	11.64	-14.9	26.54	Vertical	40	28.36
78.112	18.25	-21.7	39.95	Vertical	40	21.75
138.252	17.75	-20	37.75	Vertical	43.5	25.75
270.56	26.35	-14.2	40.55	Vertical	46	19.65
390.7915	24.18	-11	35.18	Vertical	46	21.82
865.8005	22.52	-1.1	23.62	Vertical	46	23.48

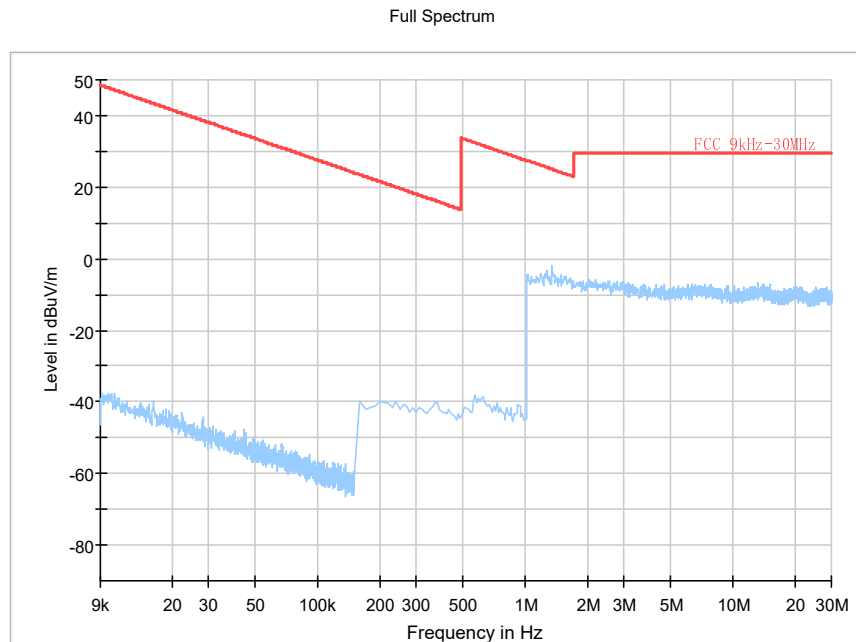
For 802.11ac(VHT40)Channel No.:159

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.81	-18.1	30.91	Vertical	40	27.19
84.126	19.89	-21.2	41.09	Vertical	40	20.11
168.322	19.73	-19.1	38.83	Vertical	43.5	23.77
270.56	26.46	-14.2	40.66	Vertical	46	19.54
390.7915	24.19	-11	35.19	Vertical	46	21.81
939.0355	20.42	-0.4	20.82	Vertical	46	25.58



For 802.11ac(VHT80)Channel No.:155

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014	12.8	-18.1	30.9	Vertical	40	27.2
84.1745	22.05	-21.2	43.25	Vertical	40	17.95
168.322	19.76	-19.1	38.86	Vertical	43.5	23.74
270.56	26.27	-14.2	40.47	Vertical	46	19.73
390.7915	24.16	-11	35.16	Vertical	46	21.84
877.8285	22.21	-0.9	23.11	Vertical	46	23.79



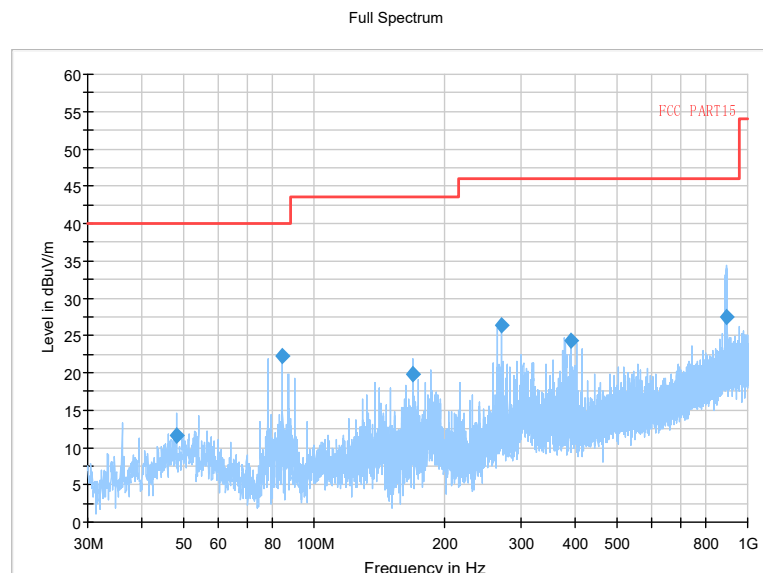
Frequency Range: 9kHz -30MHz

Detector: QP mode

Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Carrier frequency (MHz): 5180

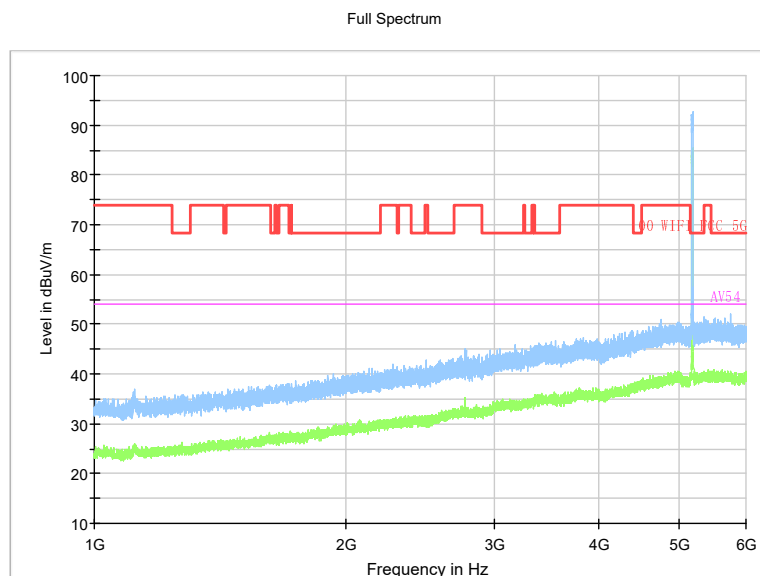
Channel No.:36



Frequency Range: 30MHz -1GHz

Detector: QP mode

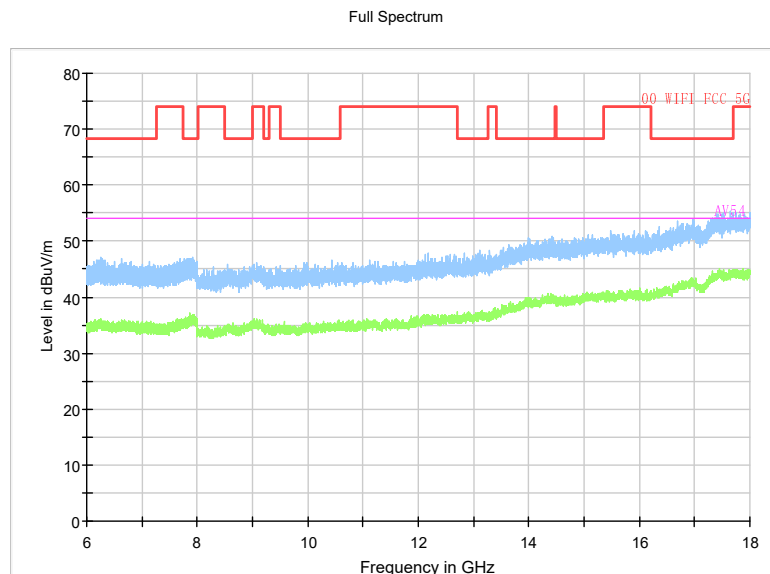
Modulation type: 802.11a



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

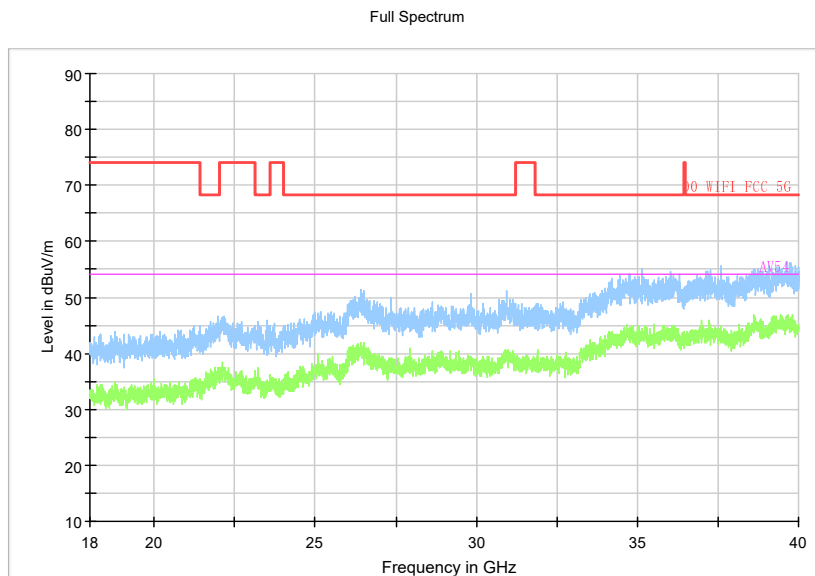
Modulation type: 802.11a



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11a

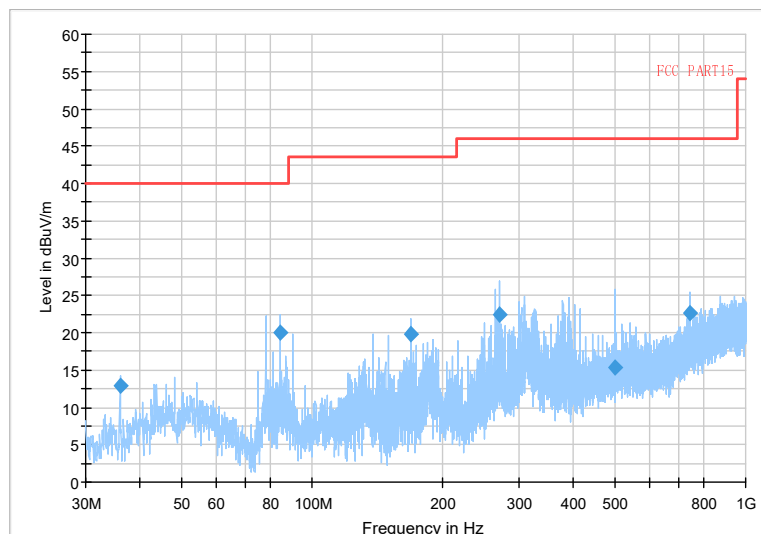


Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Modulation type: 802.11a

Full Spectrum

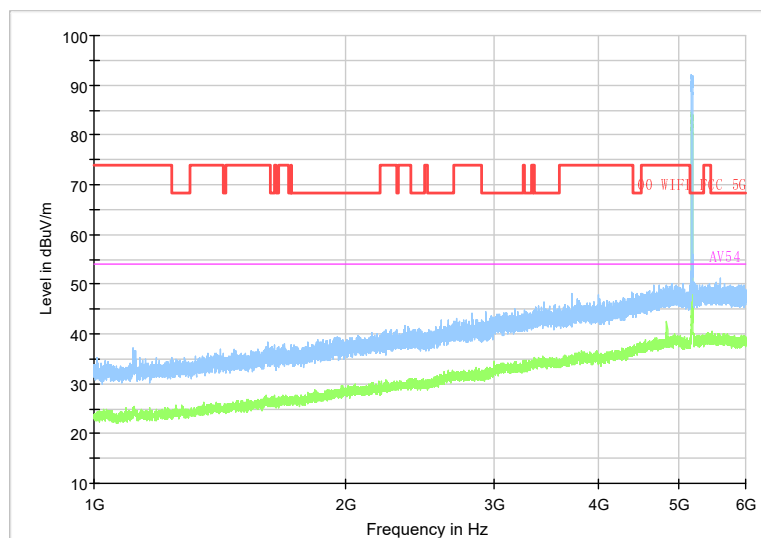


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT20)

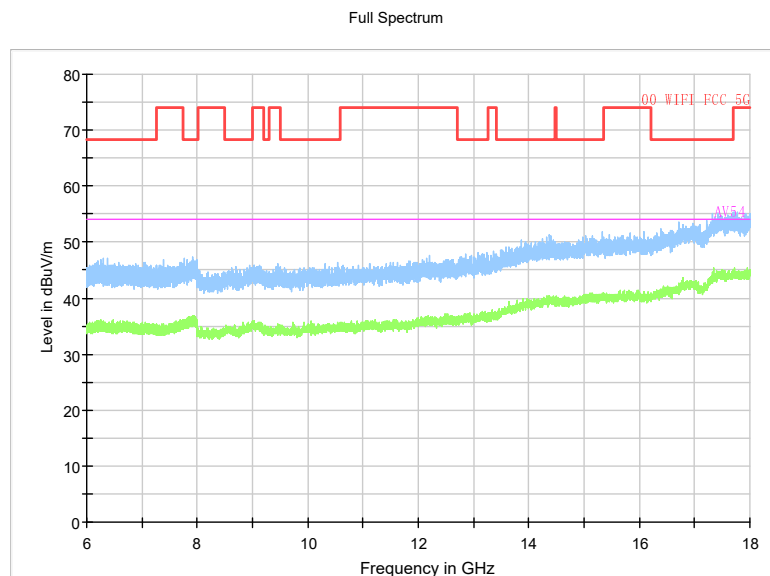
Full Spectrum



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

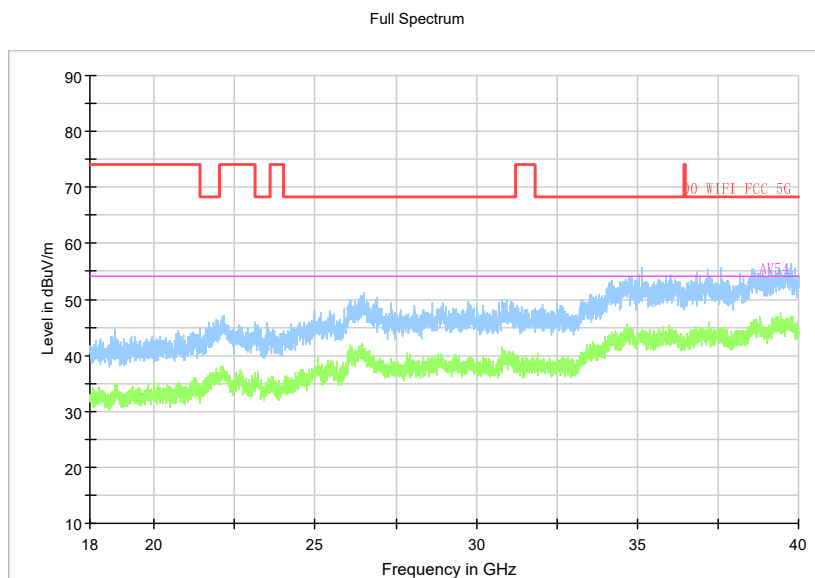
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

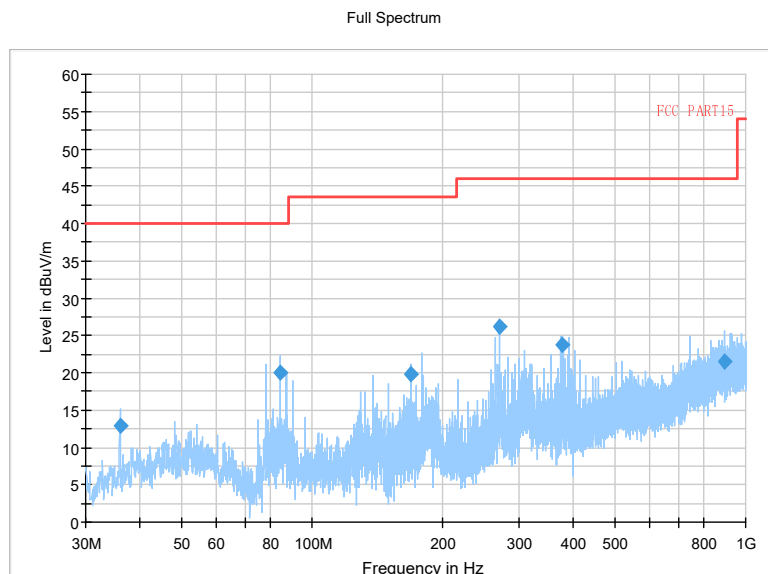
Modulation type: 802.11n(HT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

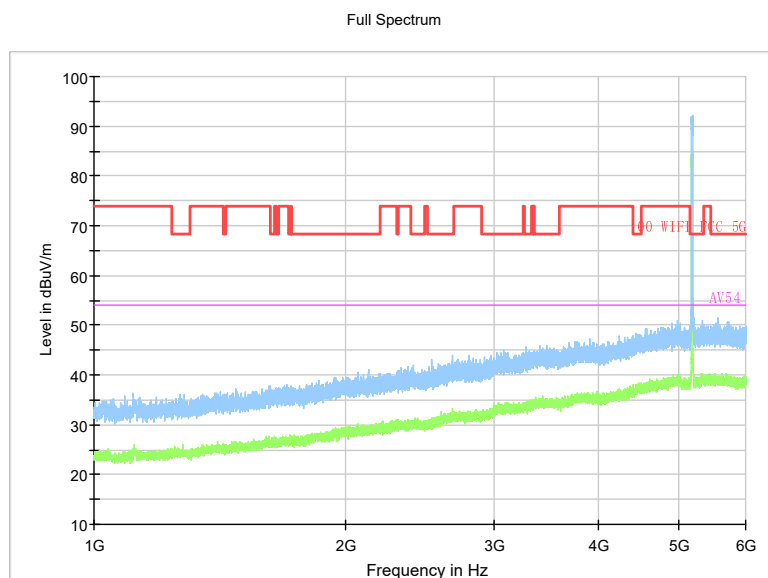
Modulation type: 802.11n(HT20)



Frequency Range: 30MHz -1GHz

Detector: QP mode

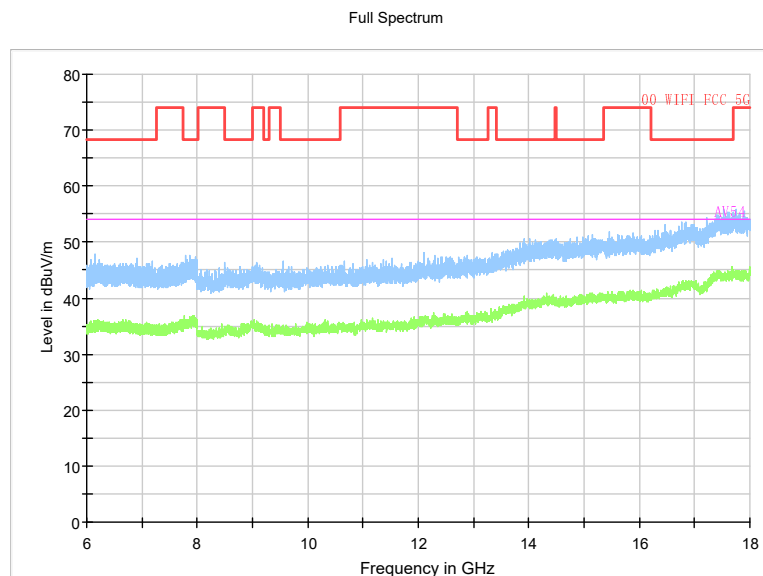
Test Mode: 802.11ac(VHT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

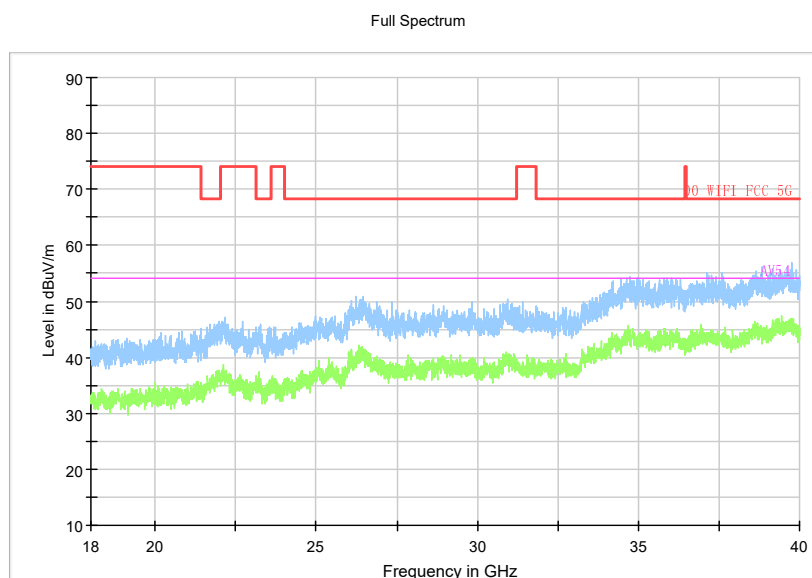
Test Mode: 802.11ac(VHT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



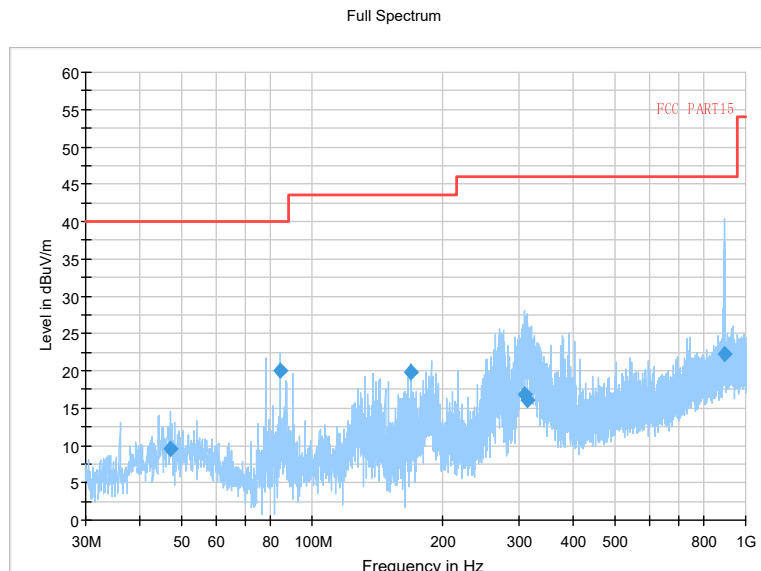
Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5200

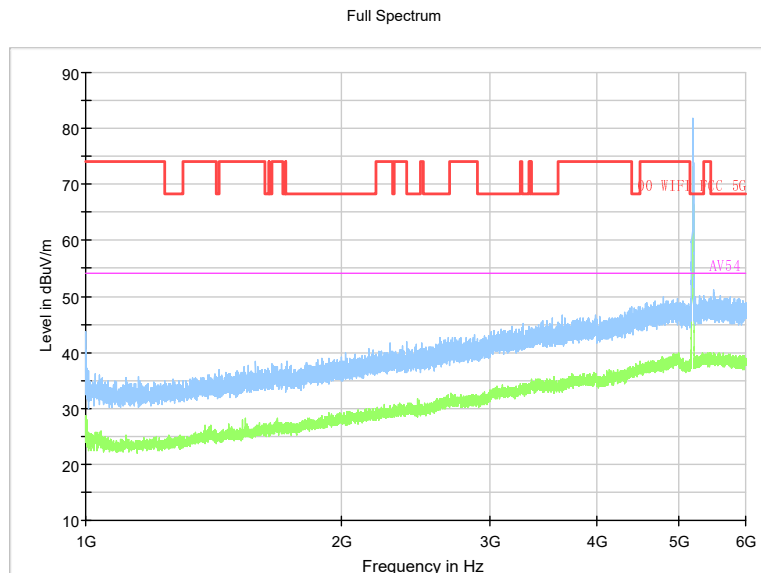
Channel No.40



Frequency Range: 30MHz -1GHz

Detector: QP mode

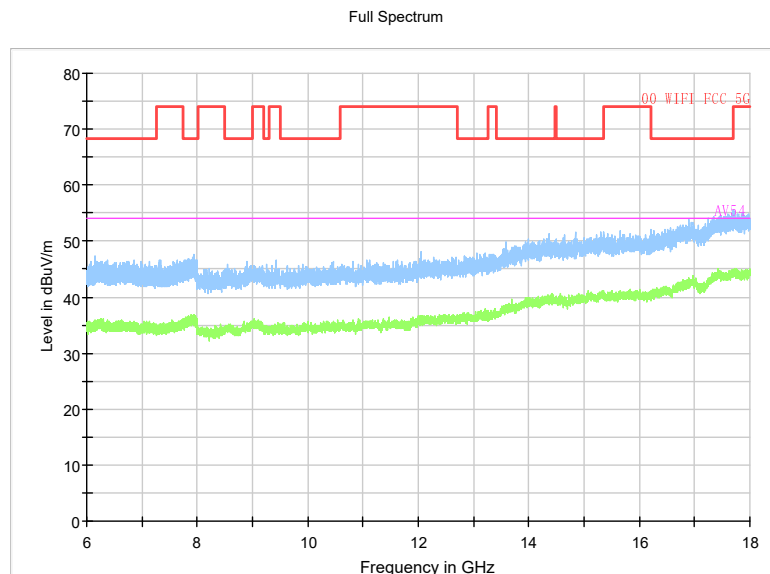
Modulation type: 802.11a



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

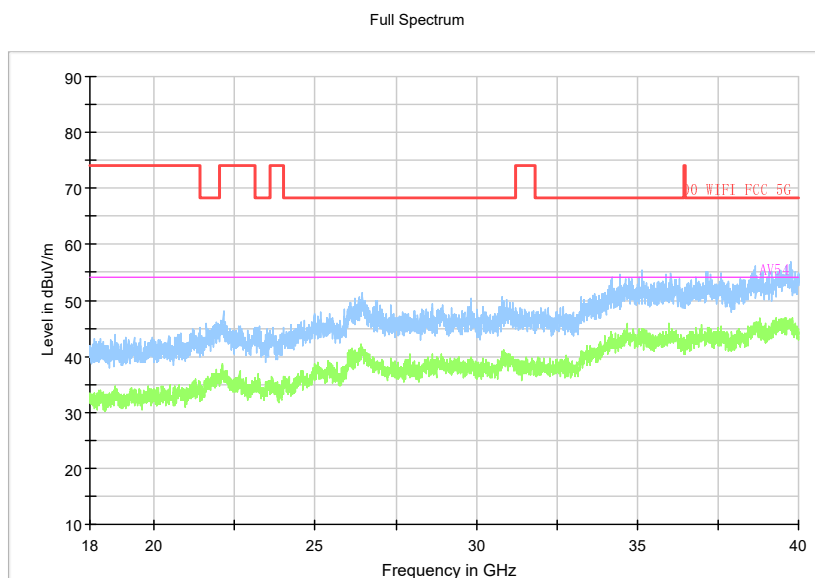
Modulation type: 802.11a



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

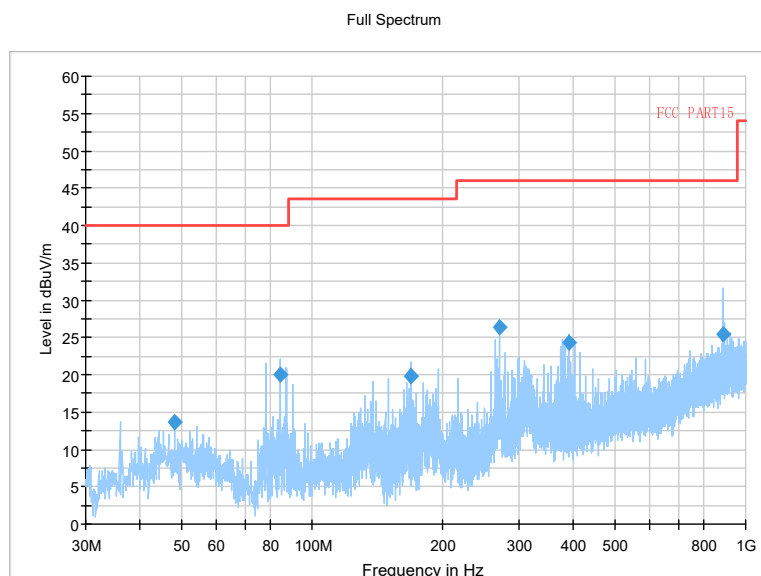
Modulation type: 802.11a



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

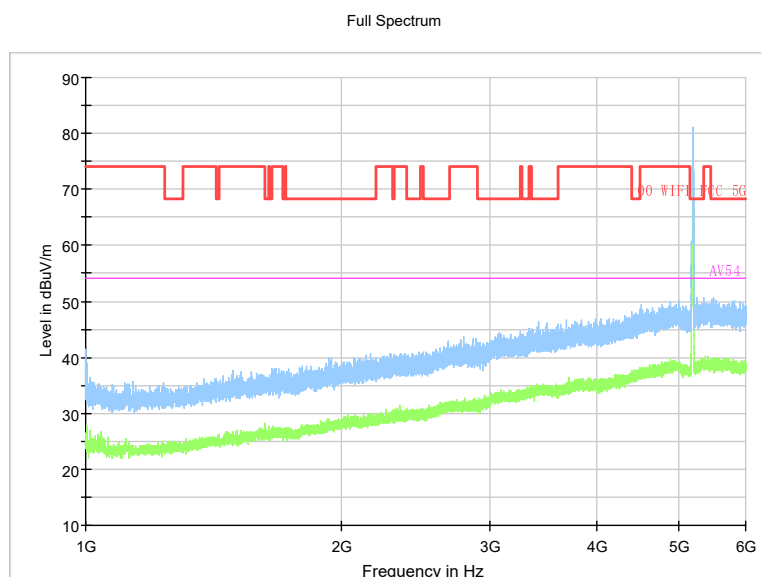
Modulation type: 802.11a



Frequency Range: 30MHz -1GHz

Detector: QP mode

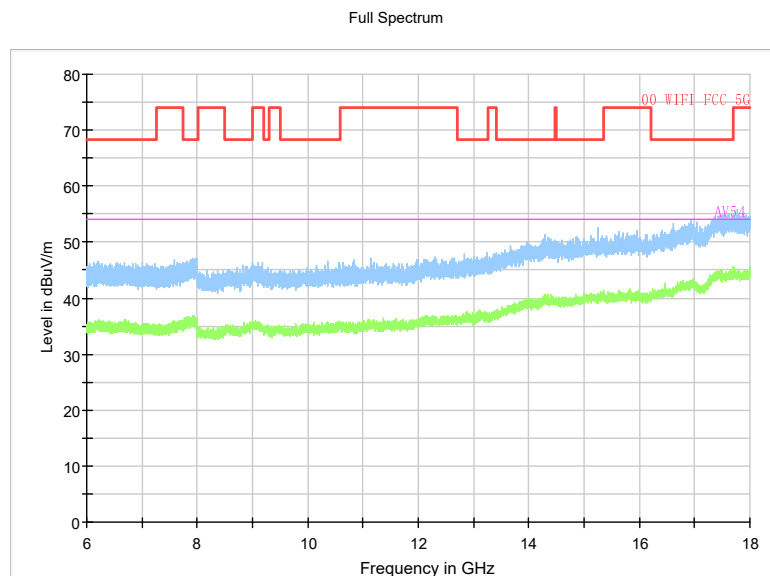
Modulation type: 802.11n(HT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

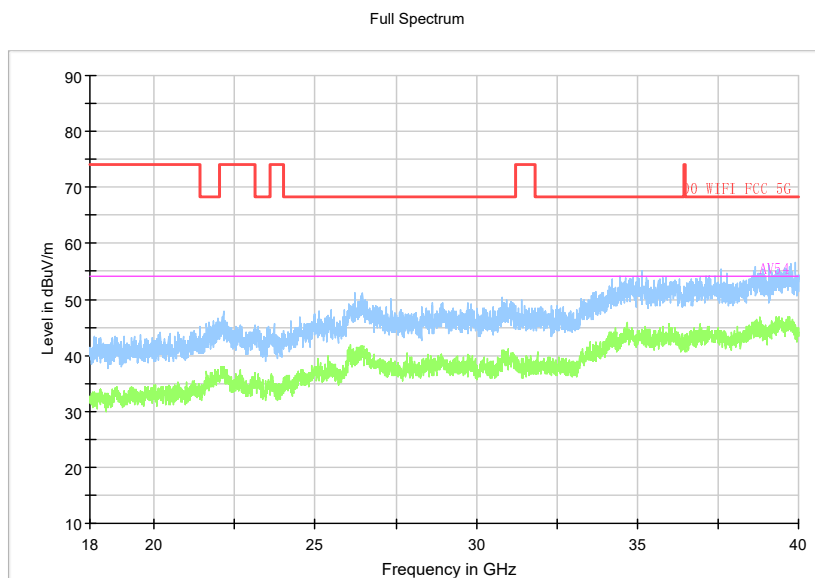
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

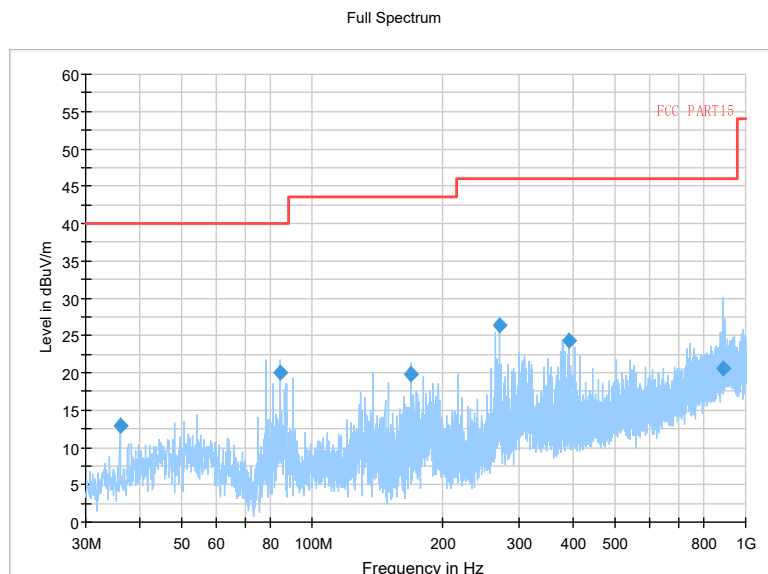
Modulation type: 802.11n(HT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

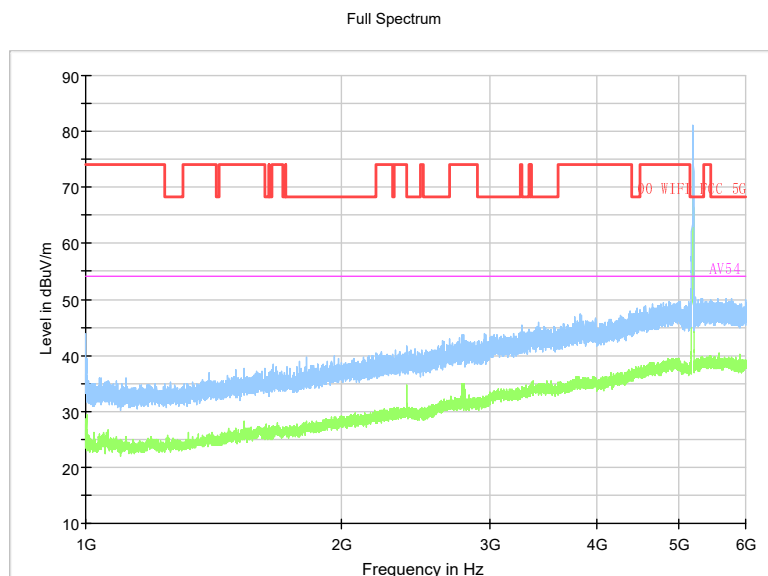
Modulation type: 802.11n(HT20)



Frequency Range: 30MHz -1GHz

Detector: QP mode

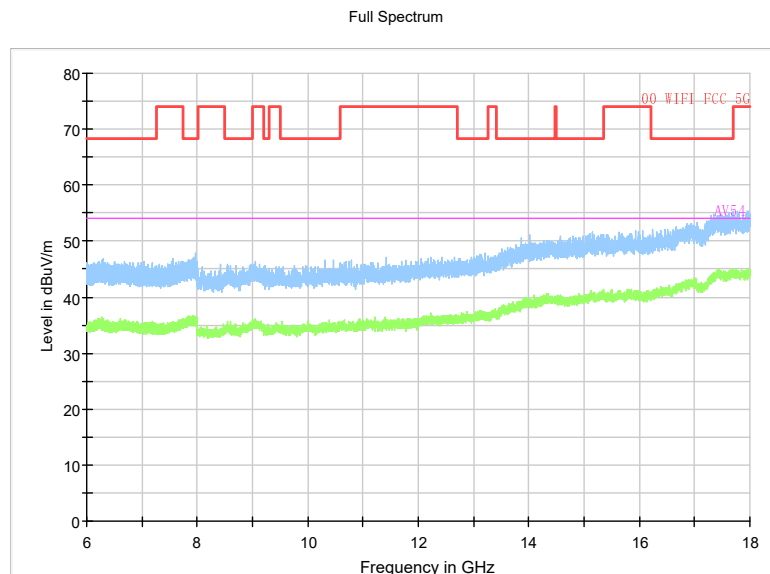
Test Mode: 802.11ac(VHT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

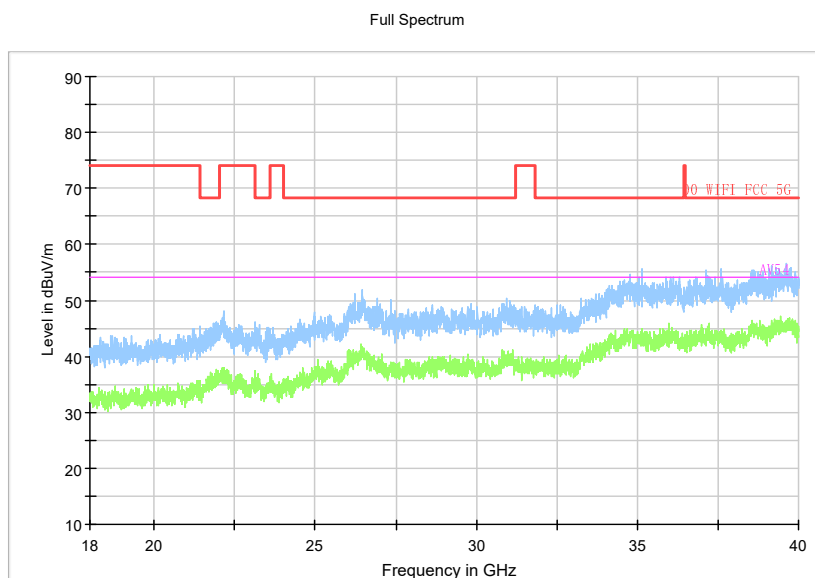
Test Mode: 802.11ac(VHT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



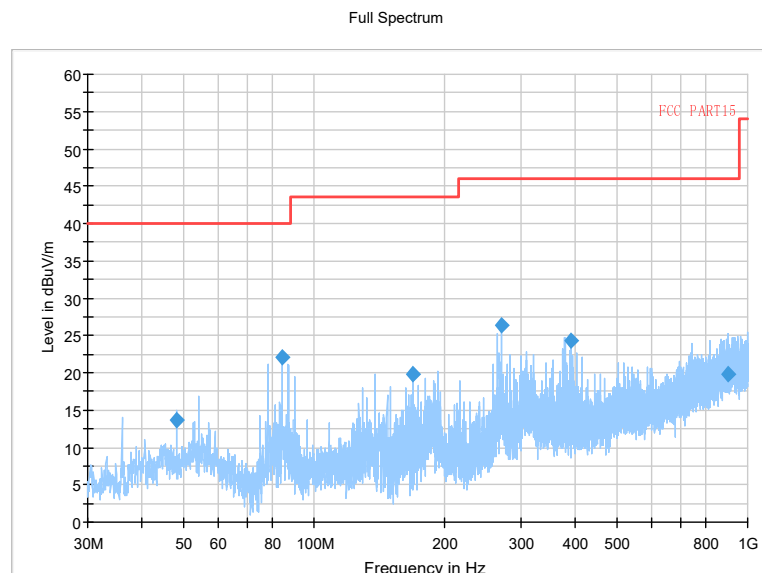
Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5240

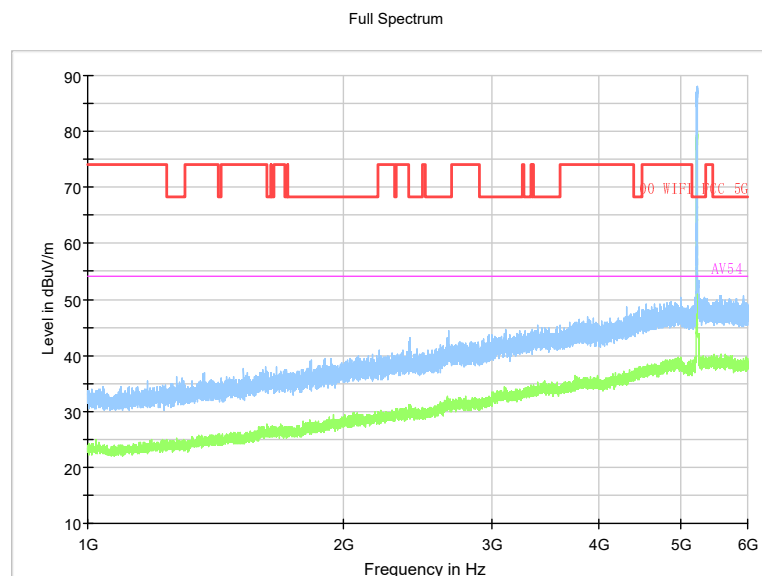
Channel No.:48



Frequency Range: 30MHz -1GHz

Detector: QP mode

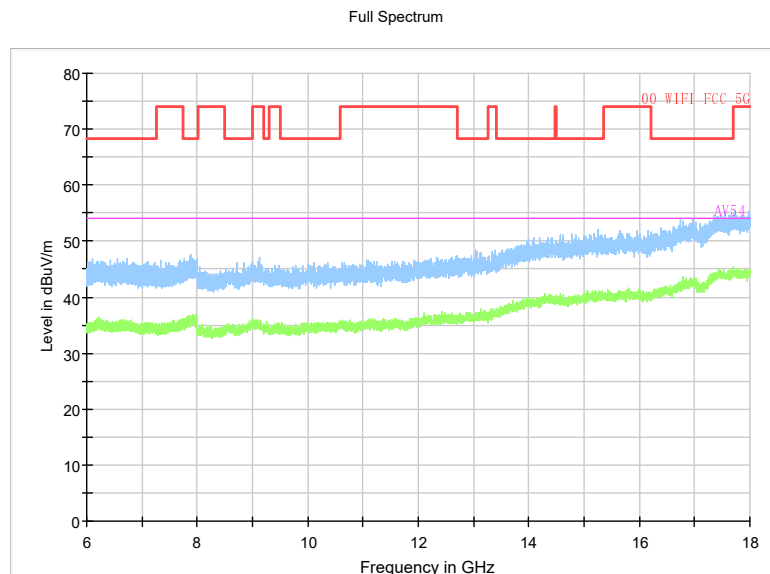
Modulation type: 802.11a



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

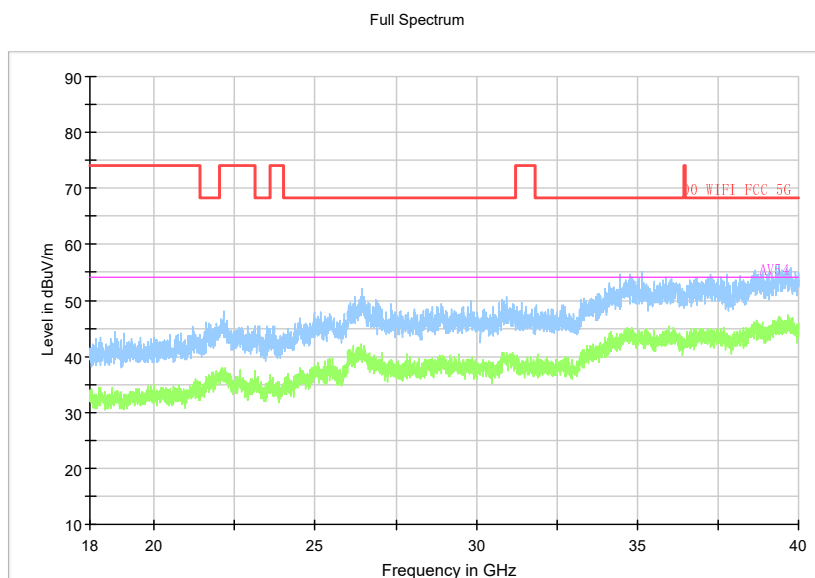
Modulation type: 802.11a



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

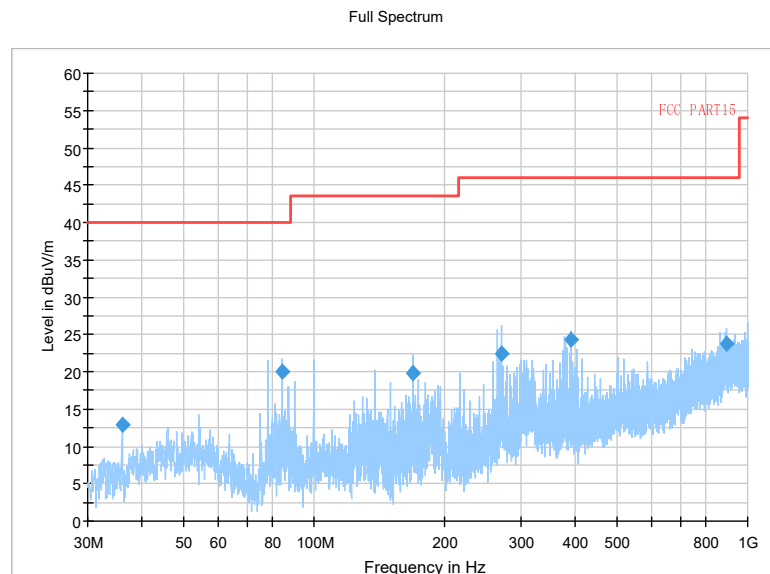
Modulation type: 802.11a



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

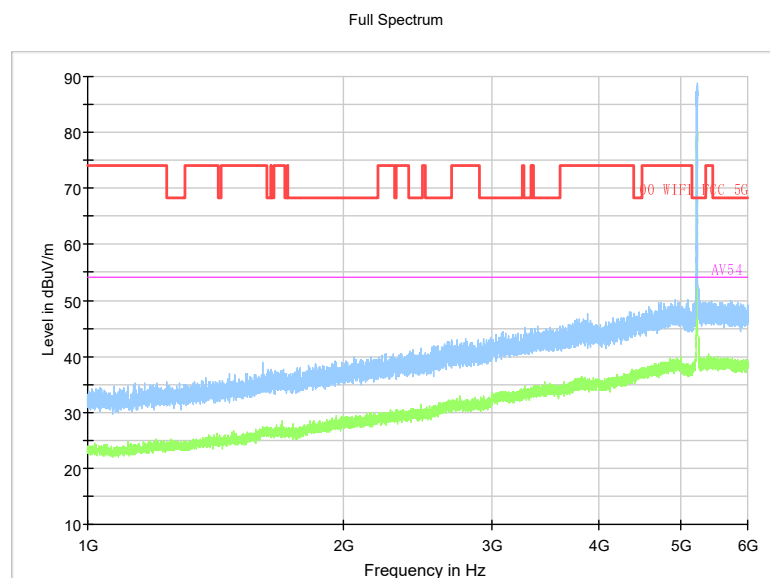
Modulation type: 802.11a



Frequency Range: 30MHz -1GHz

Detector: QP mode

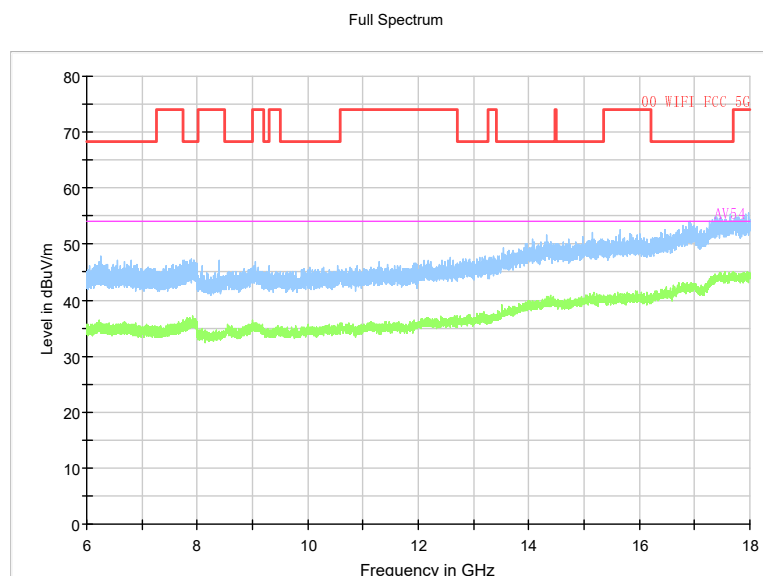
Modulation type: 802.11n(HT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

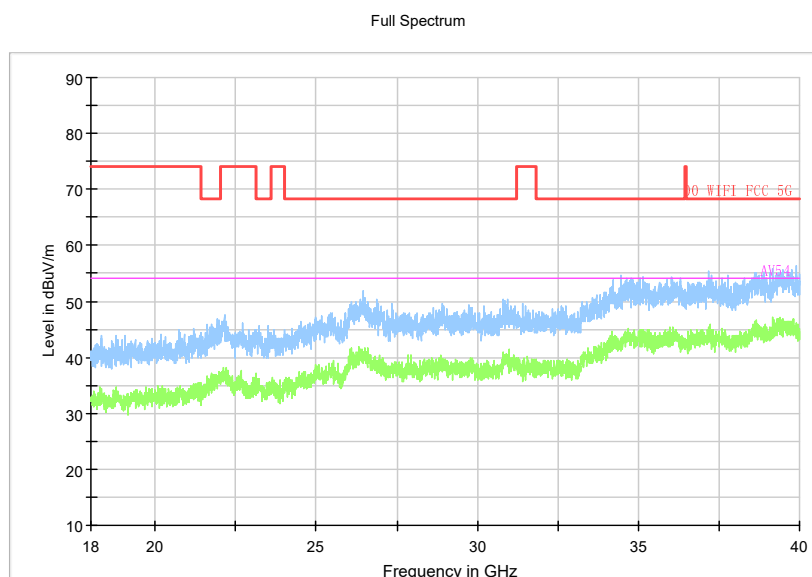
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

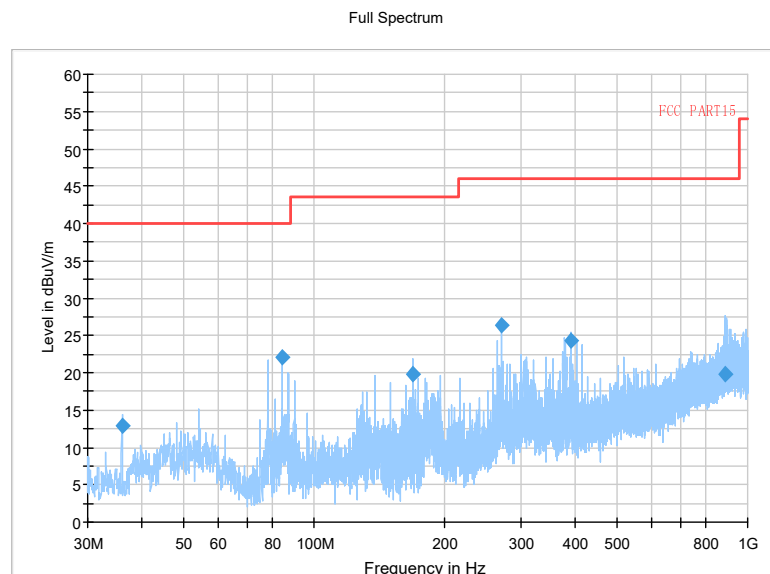
Modulation type: 802.11n(HT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

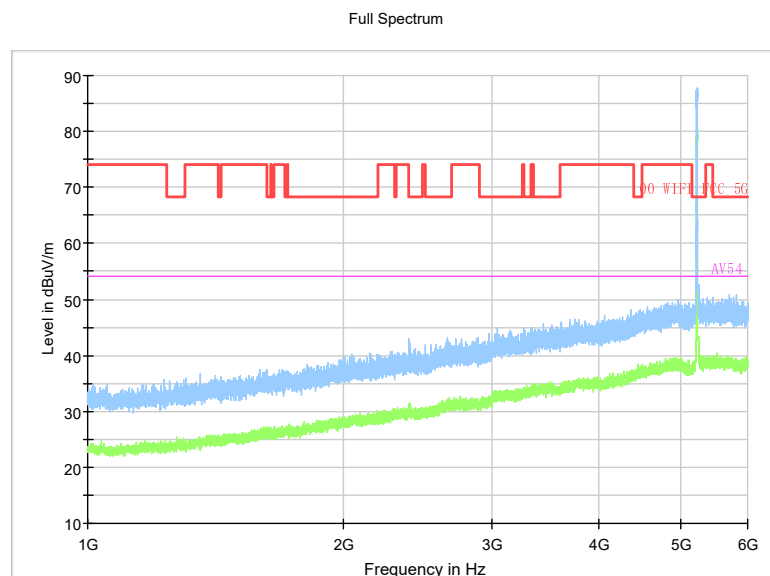
Modulation type: 802.11n(HT20)



Frequency Range: 30MHz -1GHz

Detector: QP mode

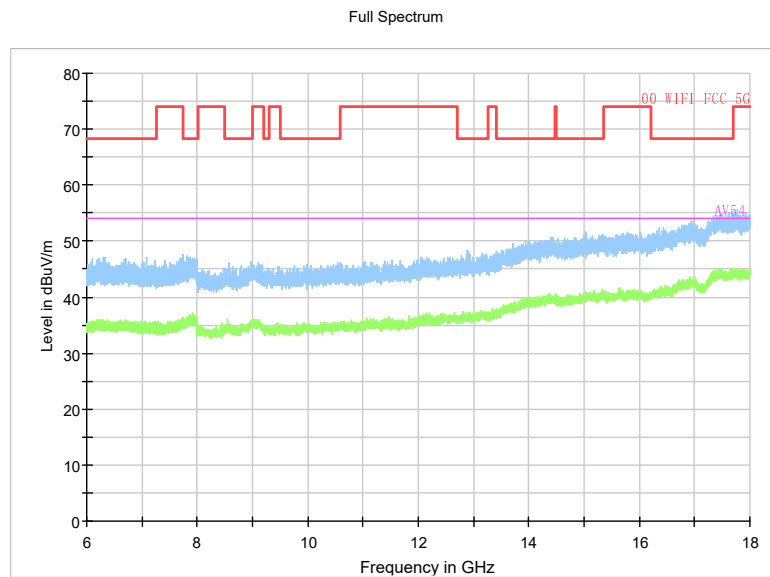
Test Mode: 802.11ac(VHT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

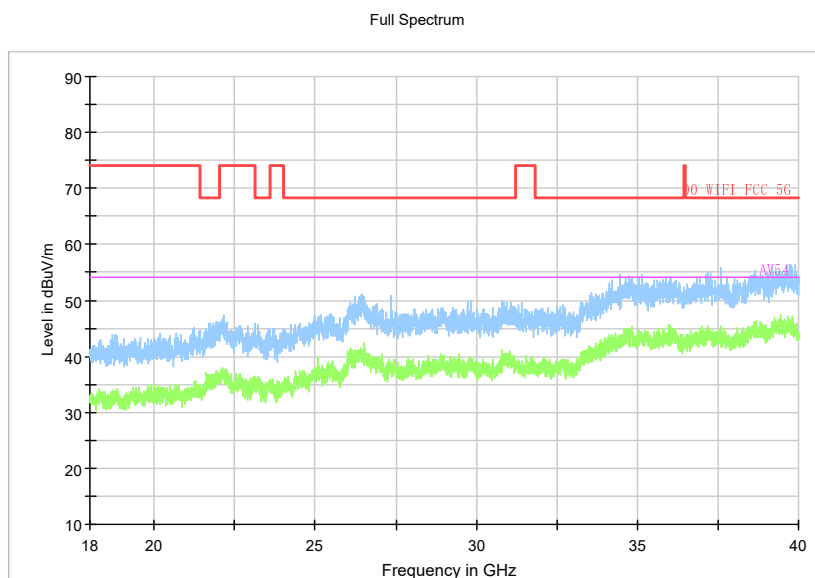
Test Mode: 802.11ac(VHT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



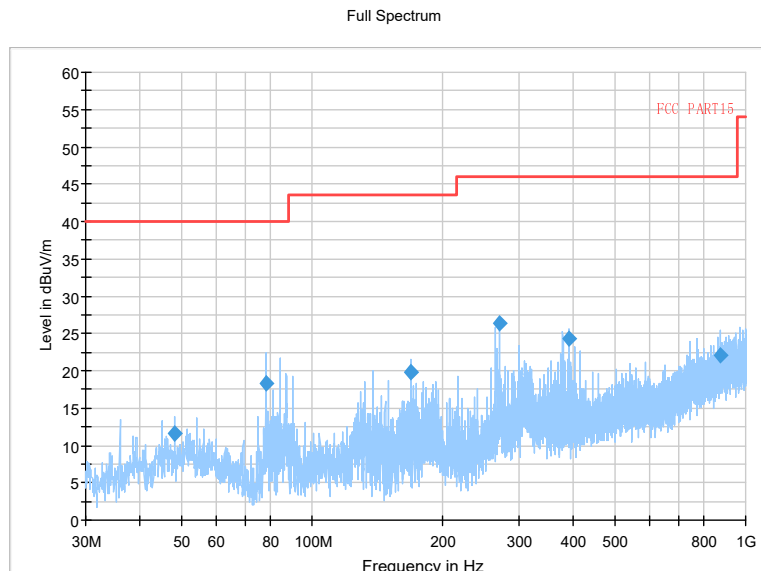
Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5190

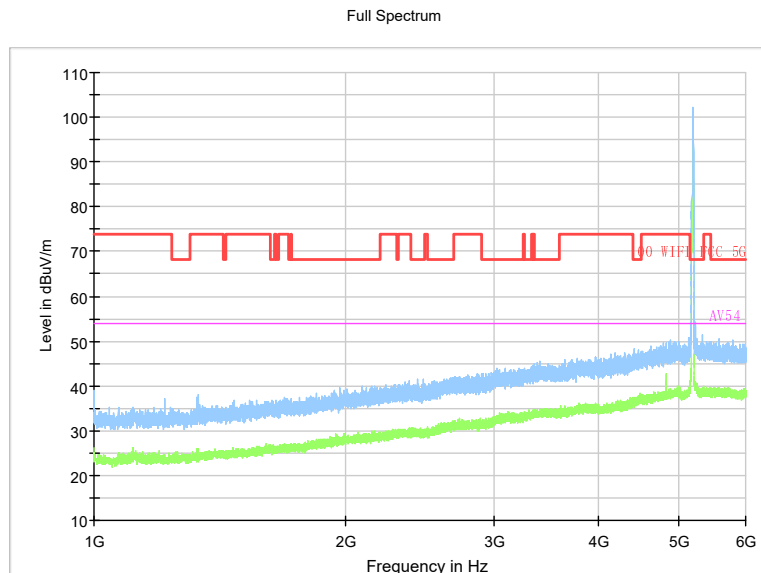
Channel No.:38



Frequency Range: 30MHz -1GHz

Detector: QP mode

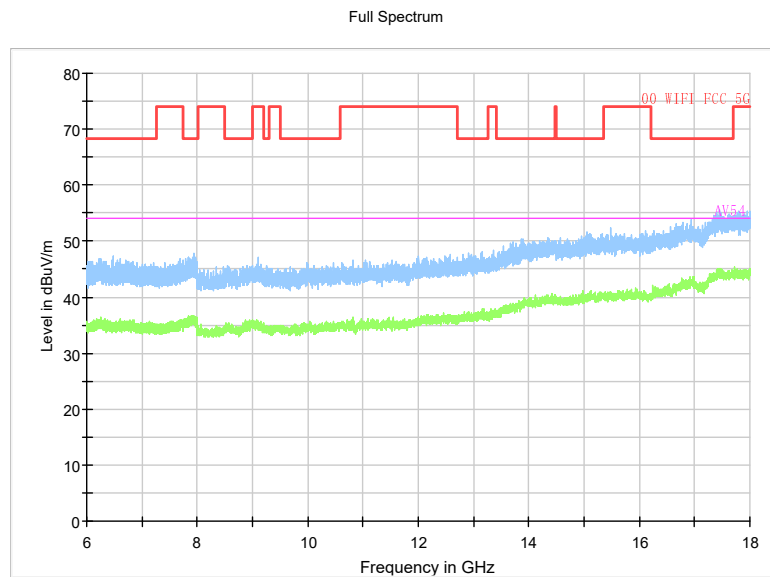
Modulation type: 802.11n(HT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

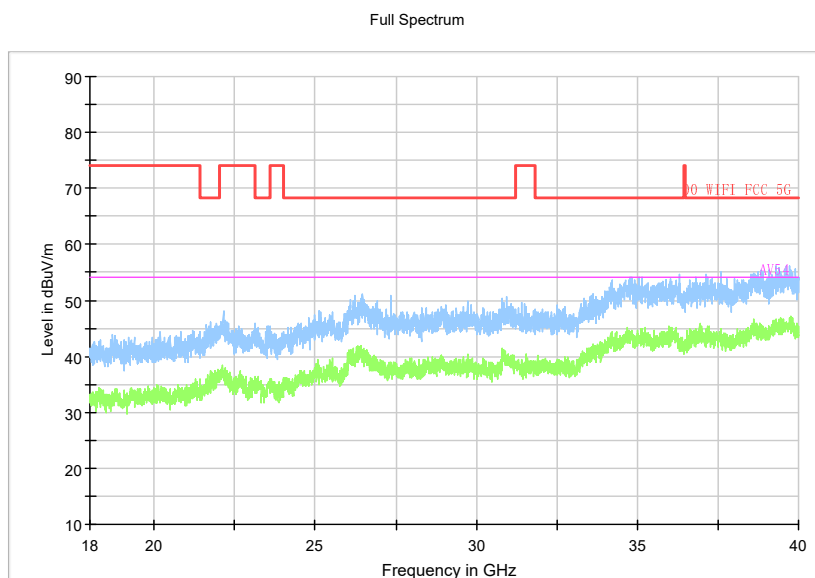
Modulation type: 802.11n(HT40)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

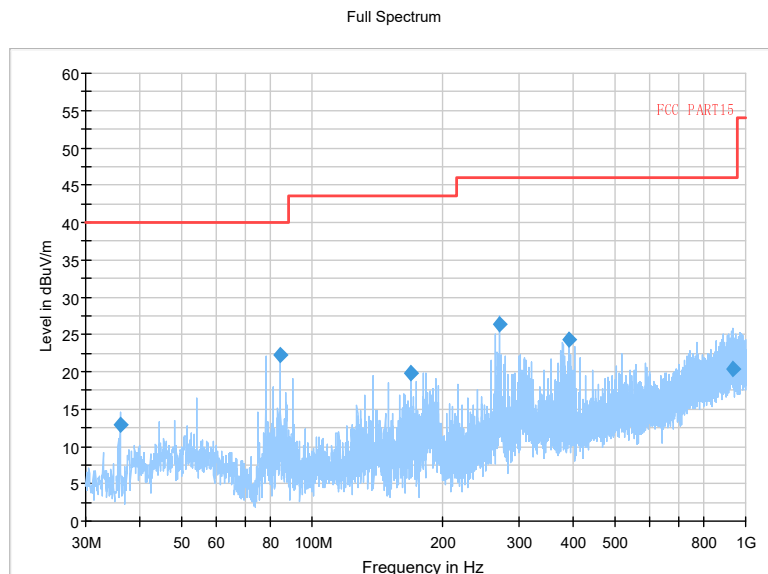
Modulation type: 802.11n(HT40)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

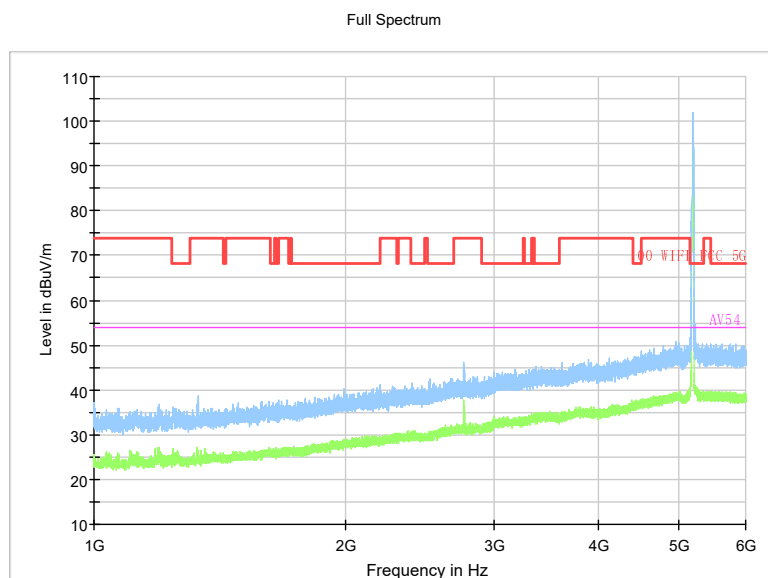
Modulation type: 802.11n(HT40)



Frequency Range: 30MHz -1GHz

Detector: QP mode

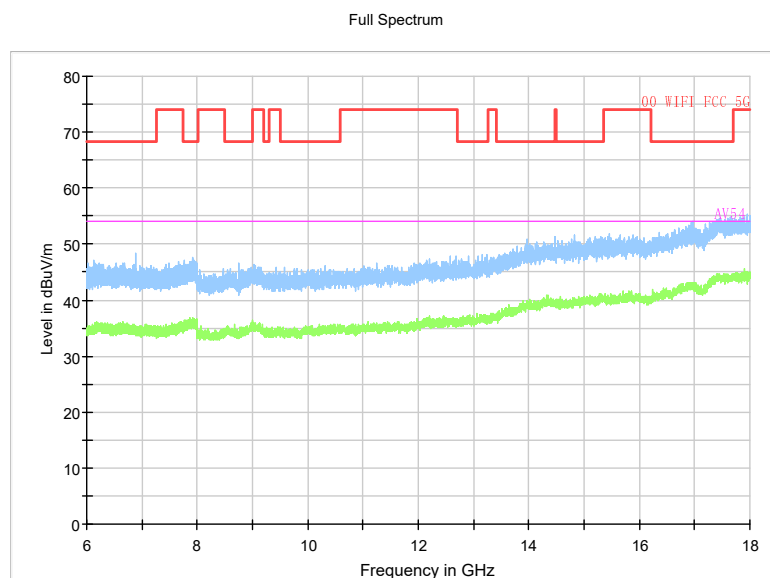
Test Mode: 802.11ac(VHT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

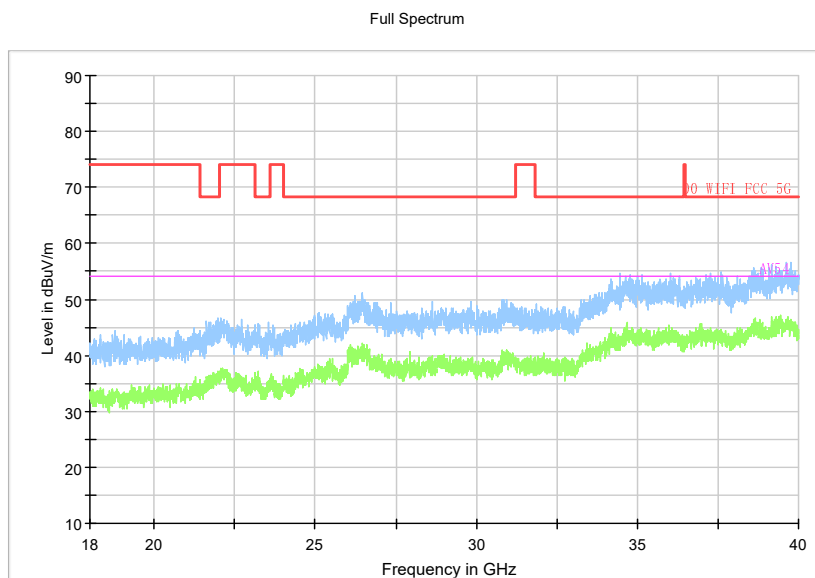
Test Mode: 802.11ac(VHT40)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT40)



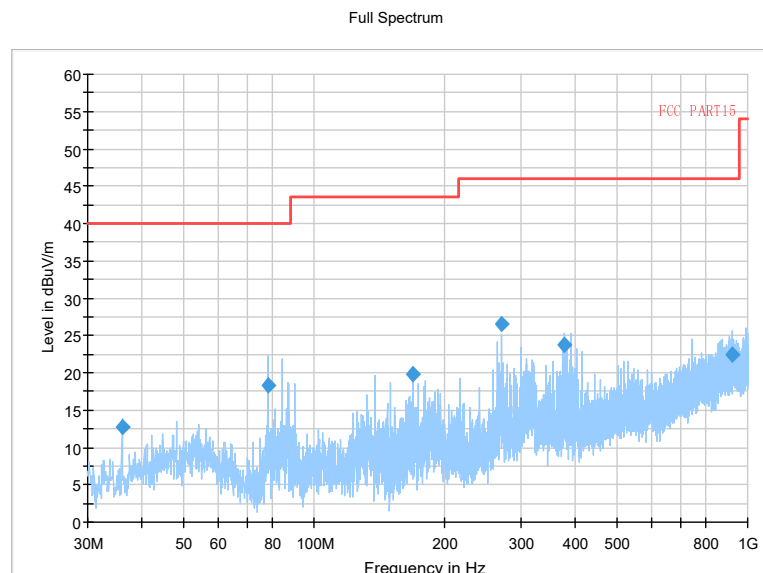
Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT40)

Carrier frequency (MHz): 5230

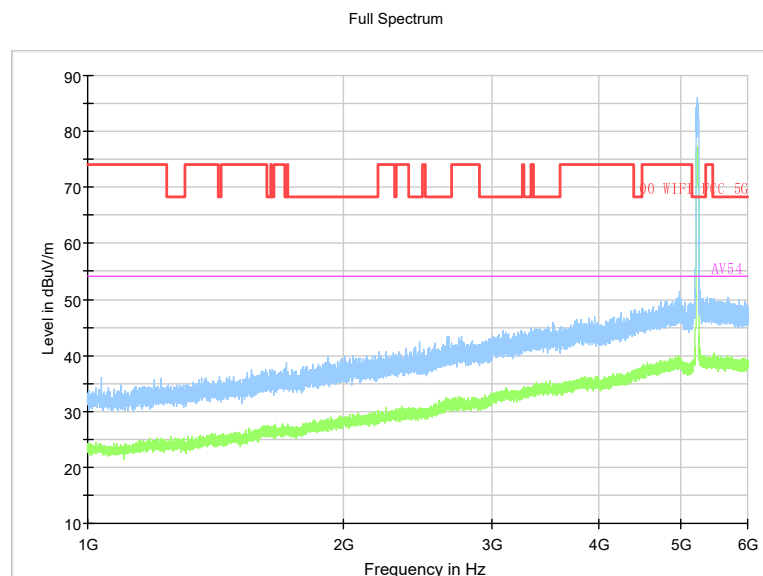
Channel No.:46



Frequency Range: 30MHz -1GHz

Detector: QP mode

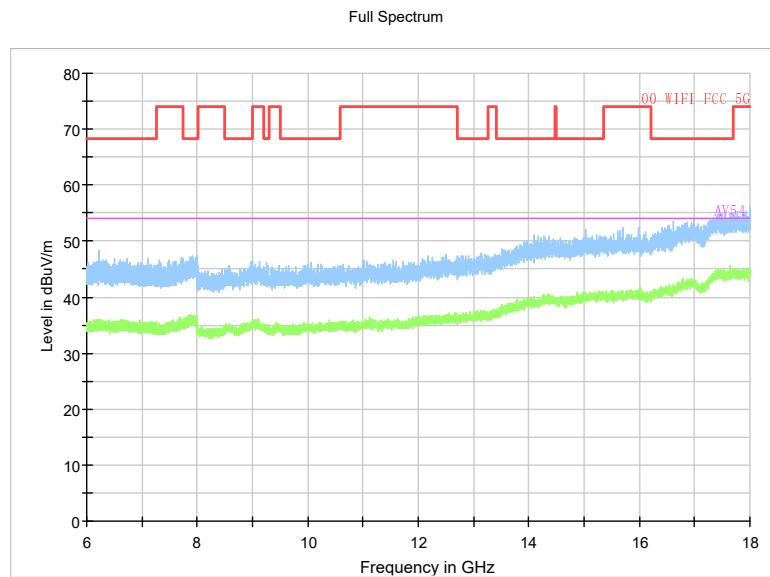
Modulation type: 802.11n(HT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

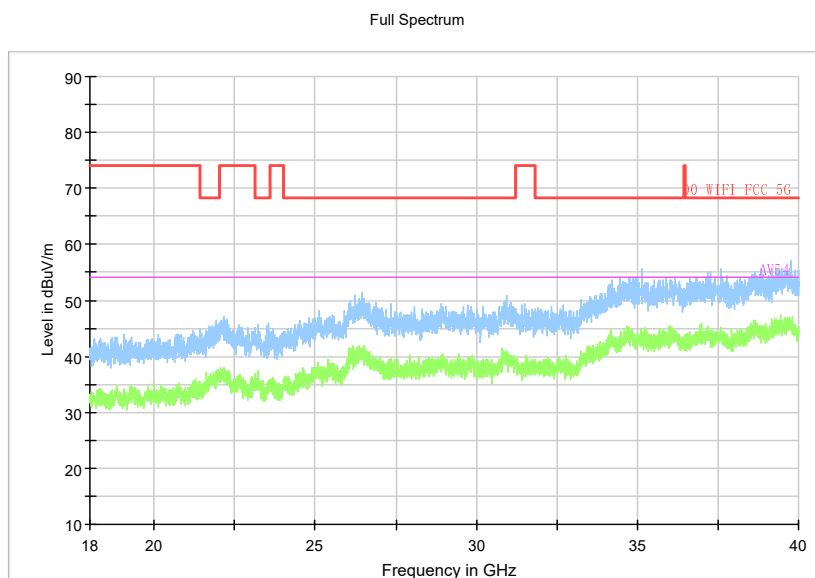
Modulation type: 802.11n(HT40)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

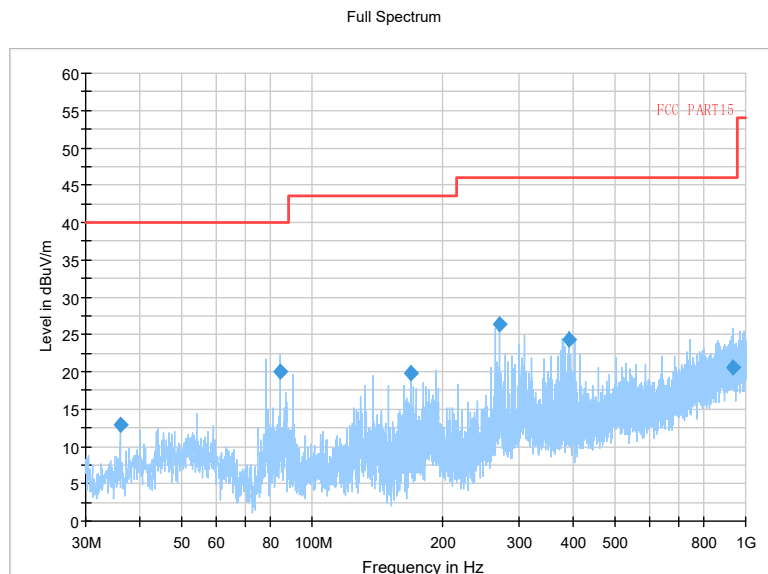
Modulation type: 802.11n(HT40)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

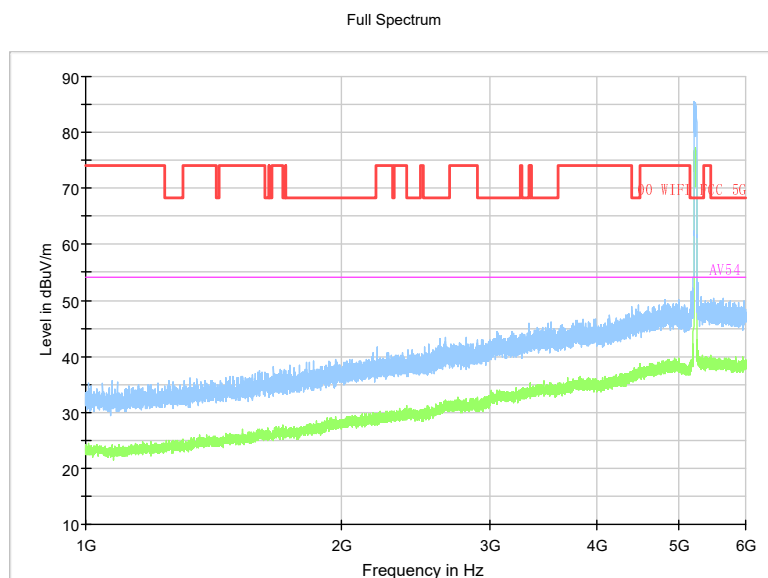
Modulation type: 802.11n(HT40)



Frequency Range: 30MHz -1GHz

Detector: QP mode

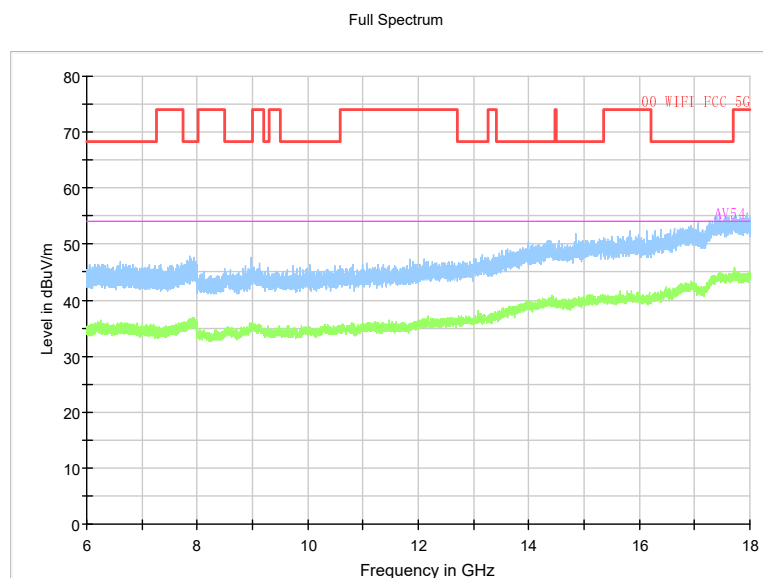
Test Mode: 802.11ac(VHT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

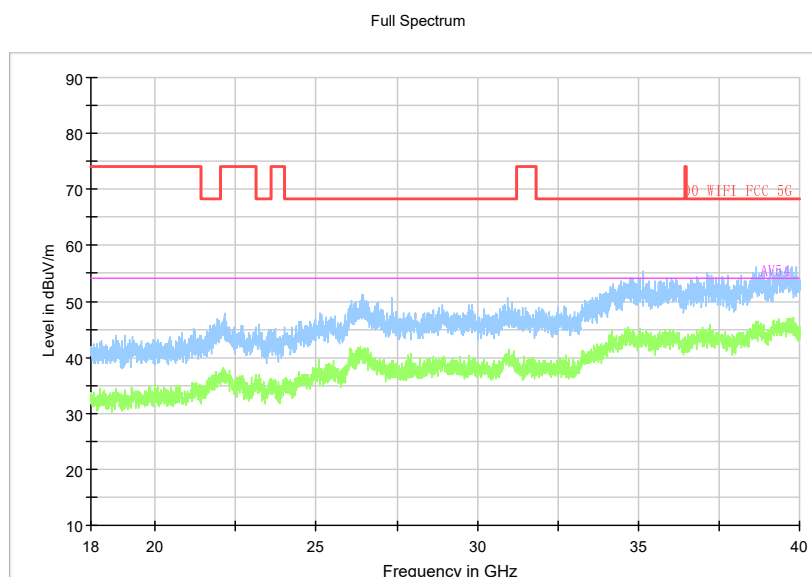
Test Mode: 802.11ac(VHT40)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT40)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT40)



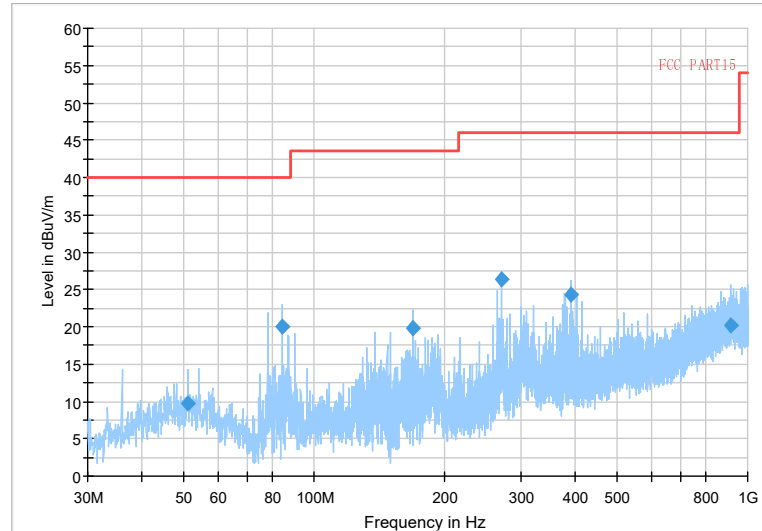
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Test Report No.: PSU-NQN2504020214RF02

Carrier frequency (MHz): 5210

Channel No.:42

Full Spectrum

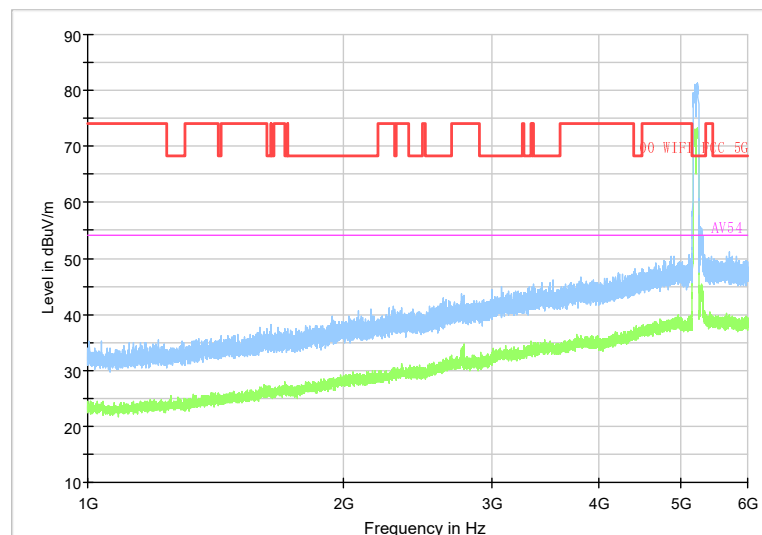


Frequency Range: 30MHz -1GHz

Detector: QP mode

Test Mode: 802.11ac(VHT80)

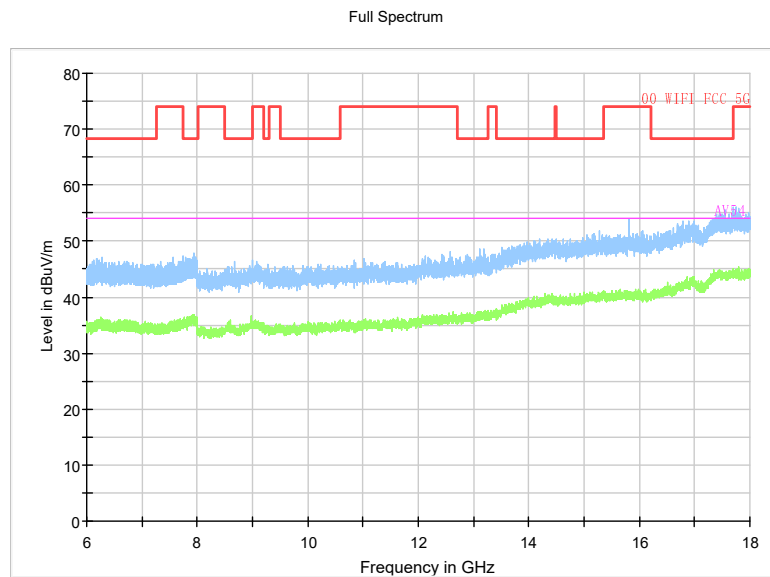
Full Spectrum



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

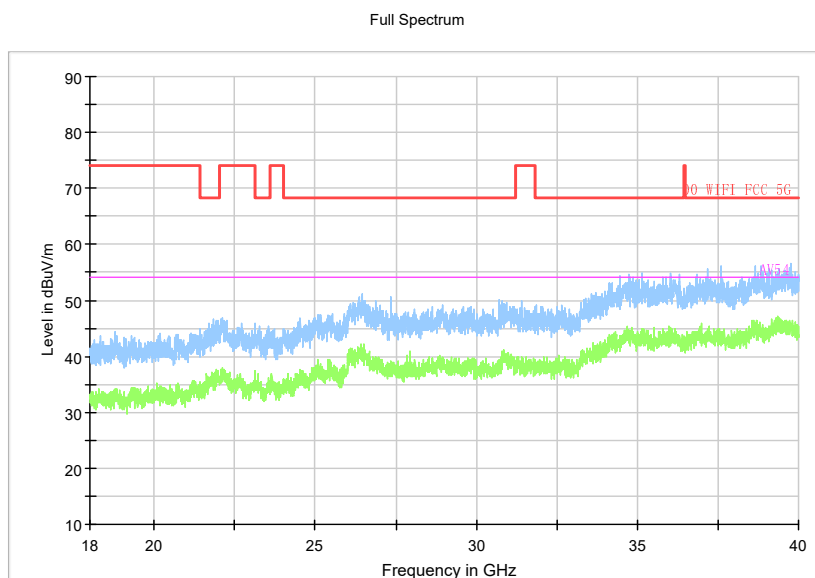
Test Mode: 802.11ac(VHT80)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT80)



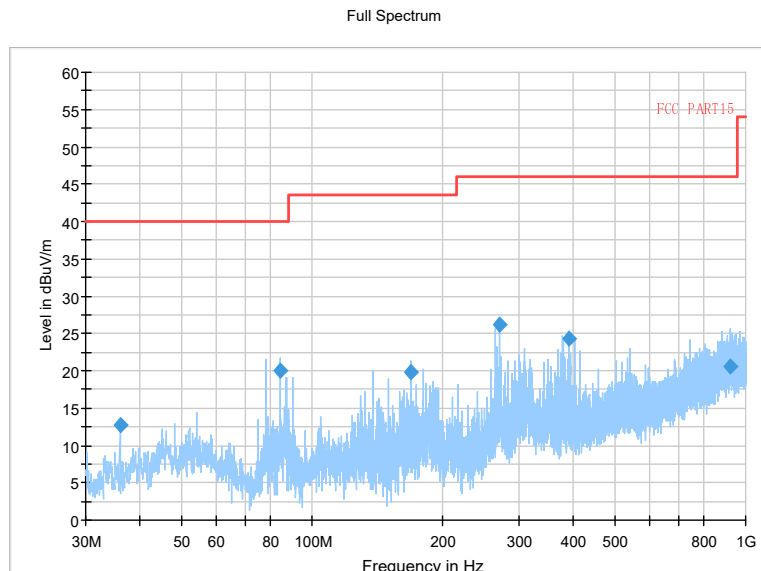
Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT80)

Carrier frequency (MHz): 5260

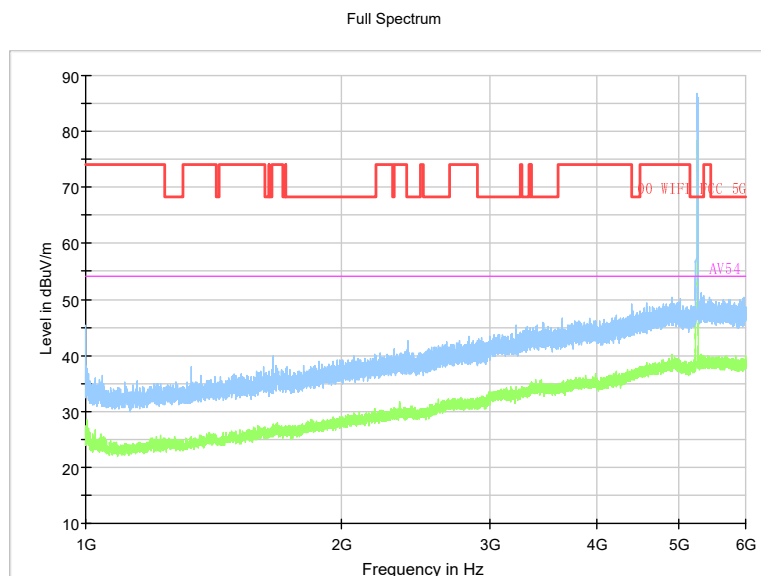
Channel No.:52



Frequency Range: 30MHz -1GHz

Detector: QP mode

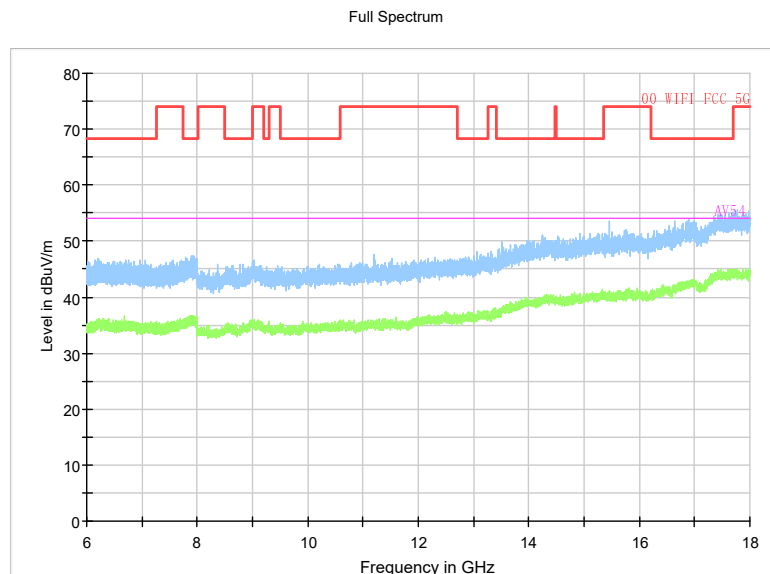
Modulation type: 802.11a



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

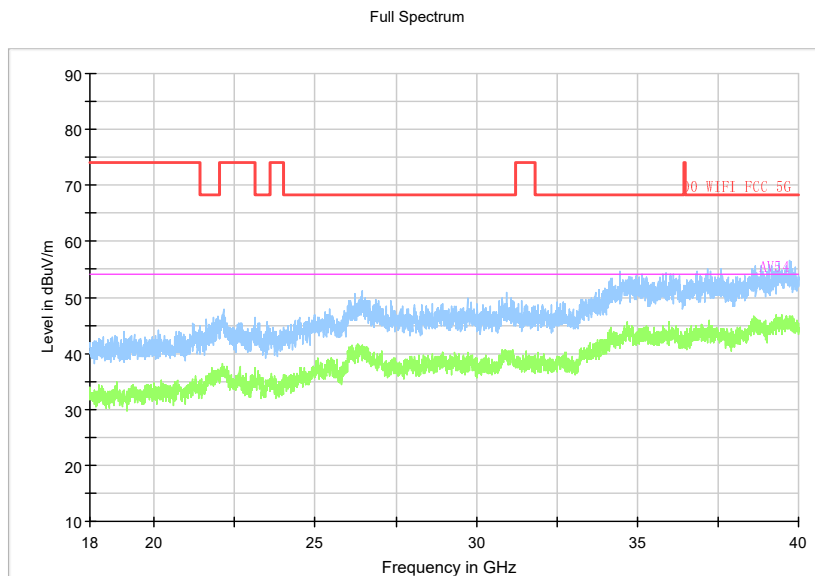
Modulation type: 802.11a



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11a

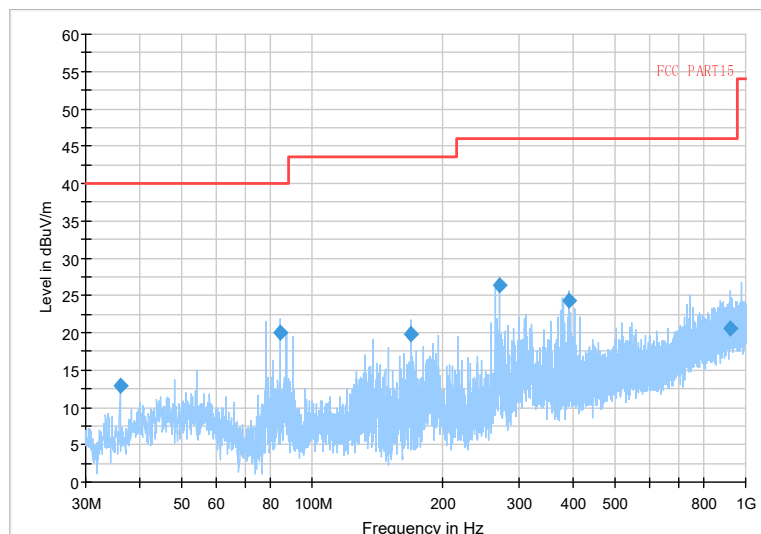


Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Modulation type: 802.11a

Full Spectrum

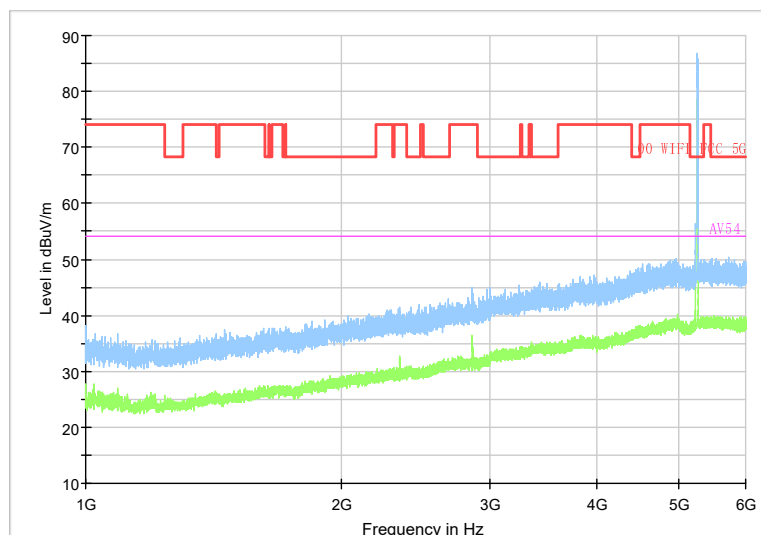


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT20)

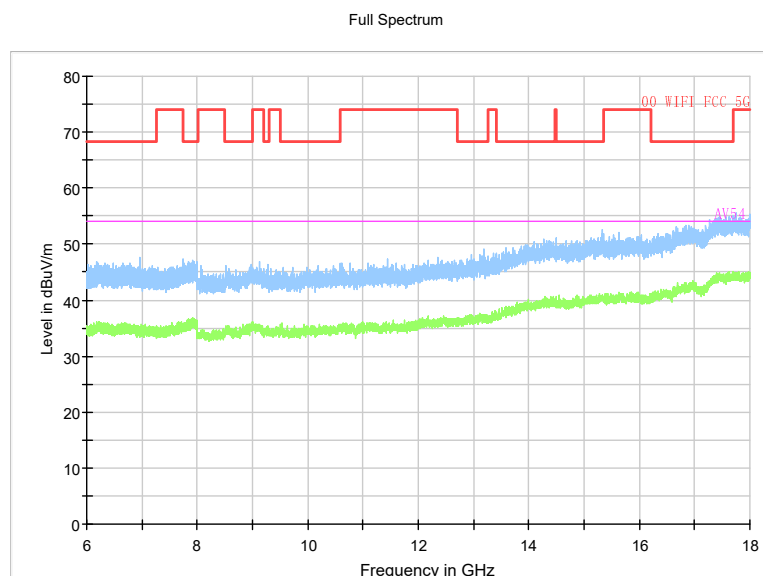
Full Spectrum



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

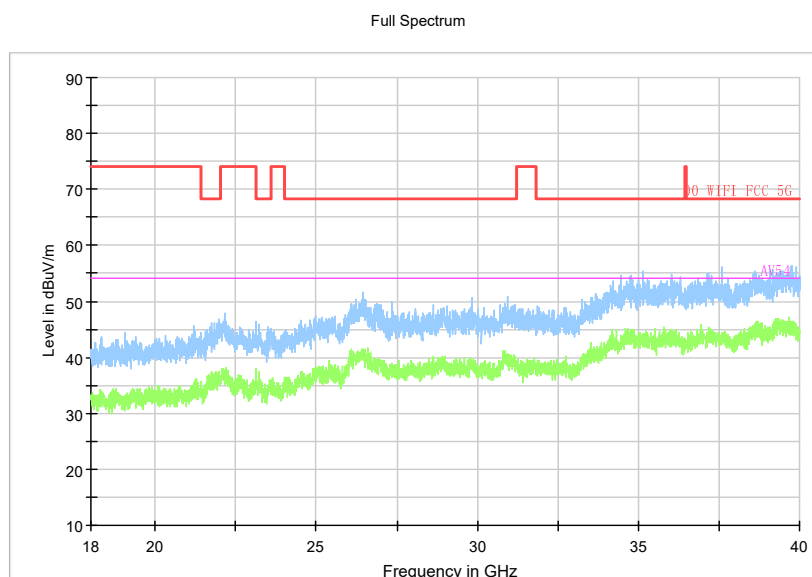
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

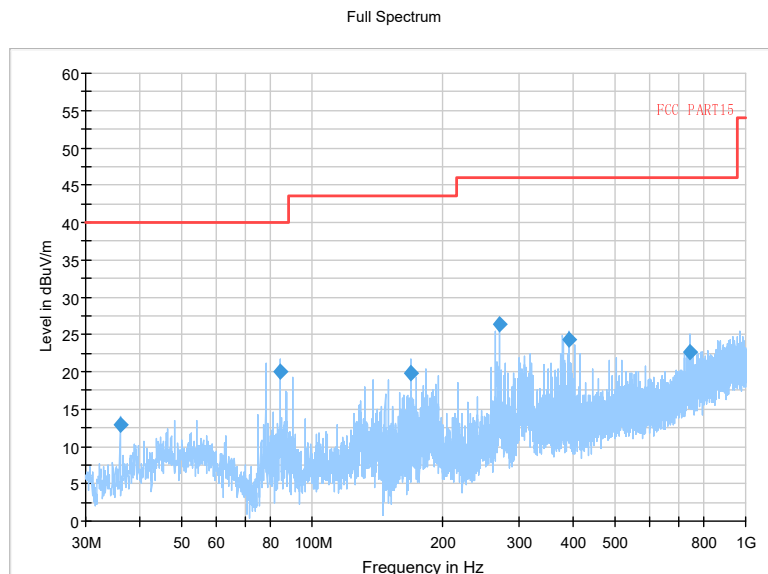
Modulation type: 802.11n(HT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

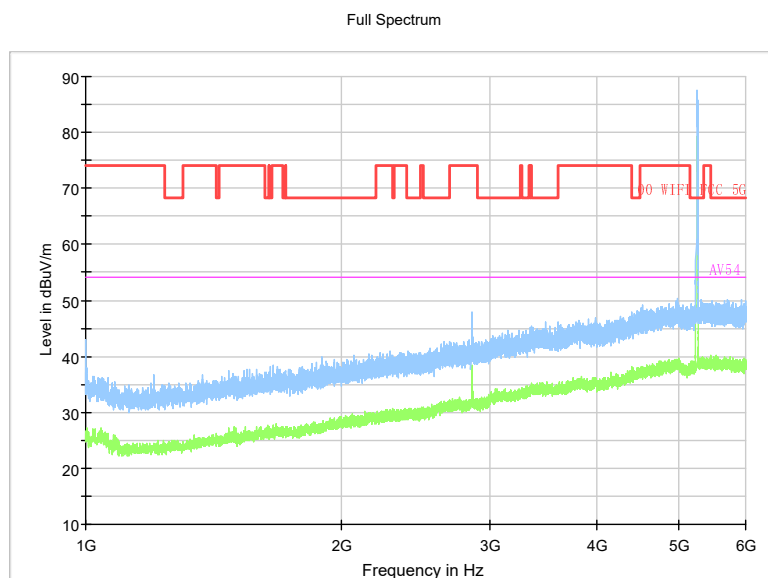
Modulation type: 802.11n(HT20)



Frequency Range: 30MHz -1GHz

Detector: QP mode

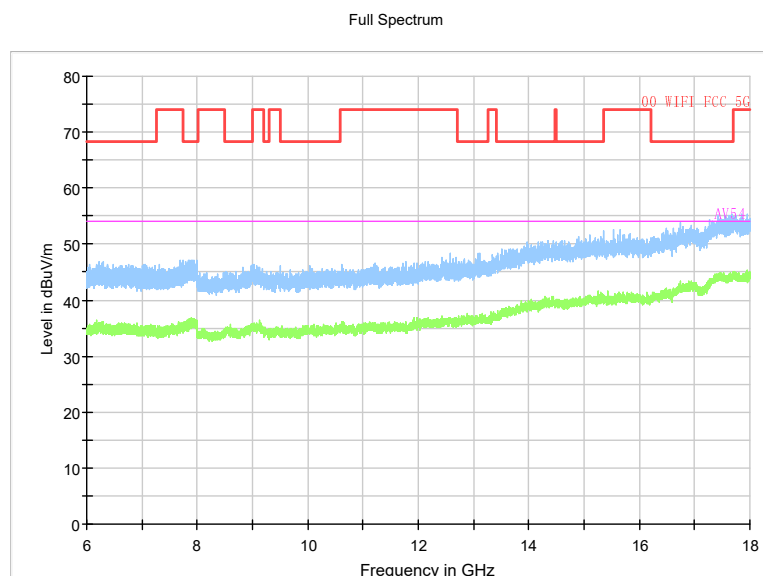
Test Mode: 802.11ac(VHT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

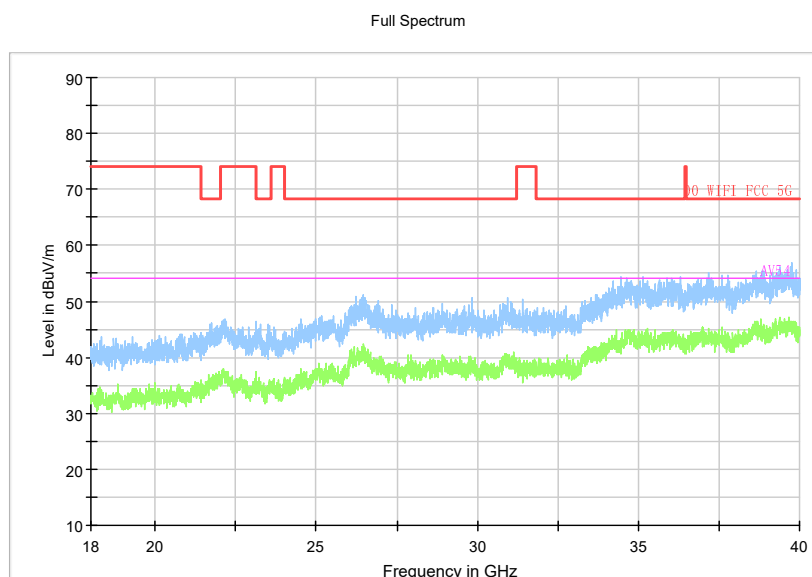
Test Mode: 802.11ac(VHT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)

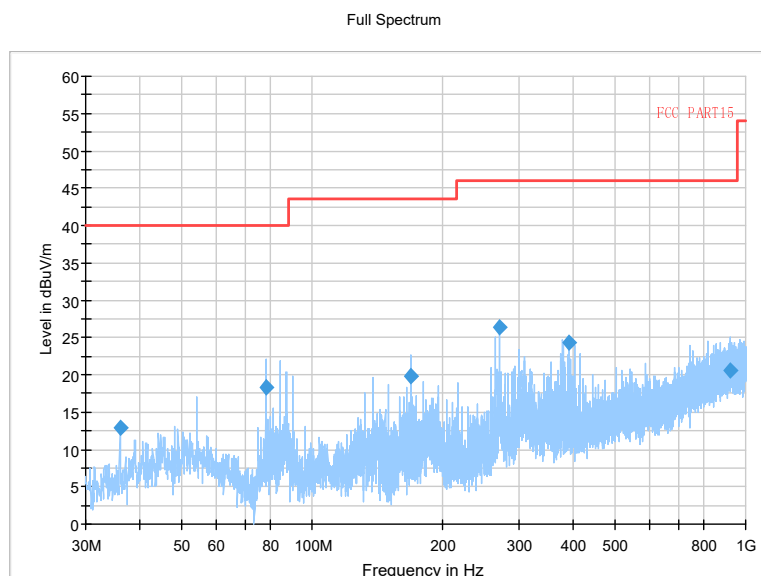


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Test Report No.: PSU-NQN2504020214RF02

Carrier frequency (MHz): 5300

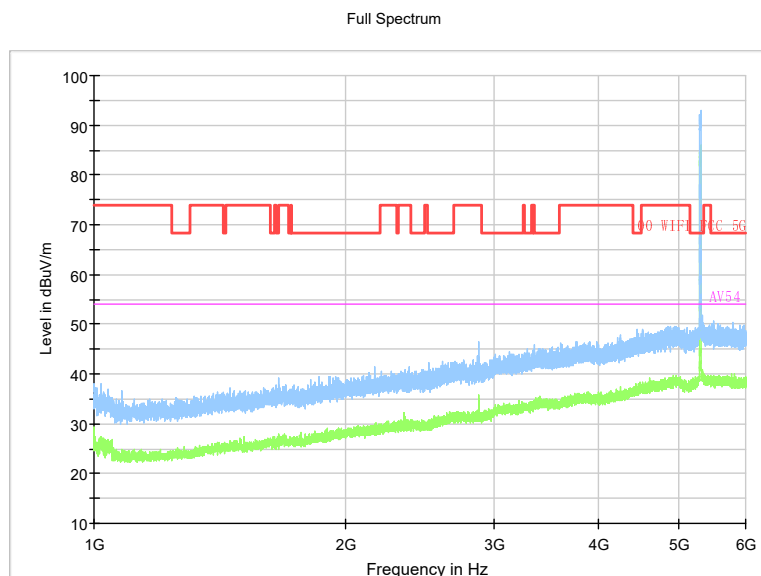
Channel No.:60



Frequency Range: 30MHz -1GHz

Detector: QP mode

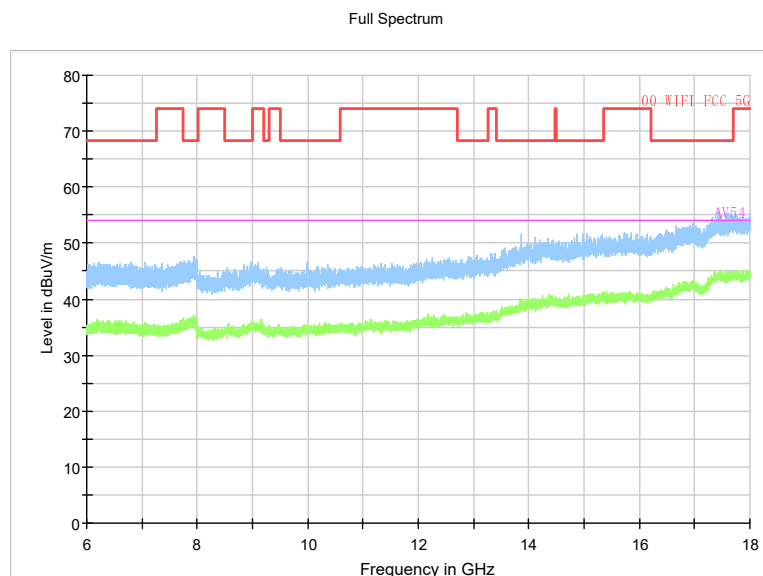
Modulation type: 802.11a



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

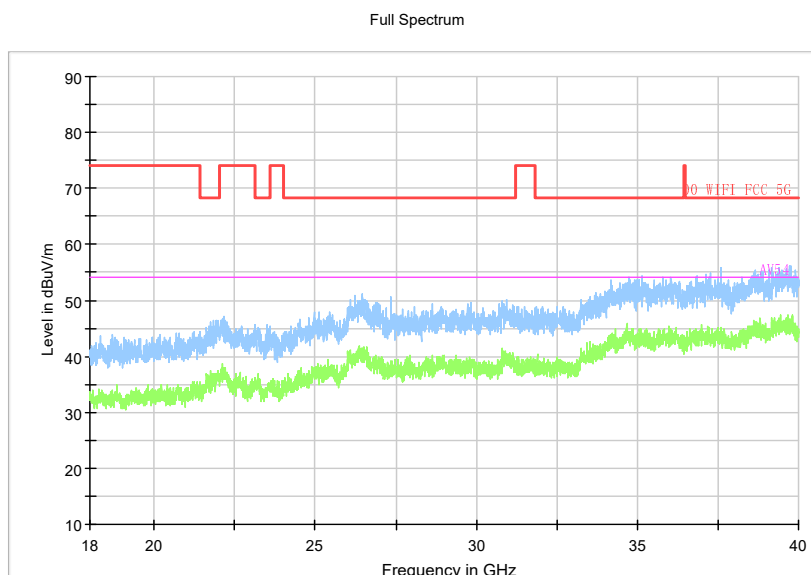
Modulation type: 802.11a



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

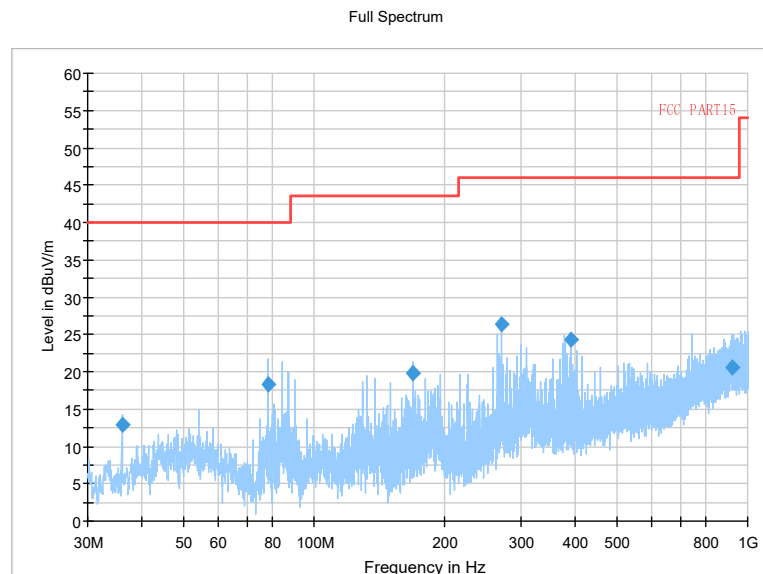
Modulation type: 802.11a



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

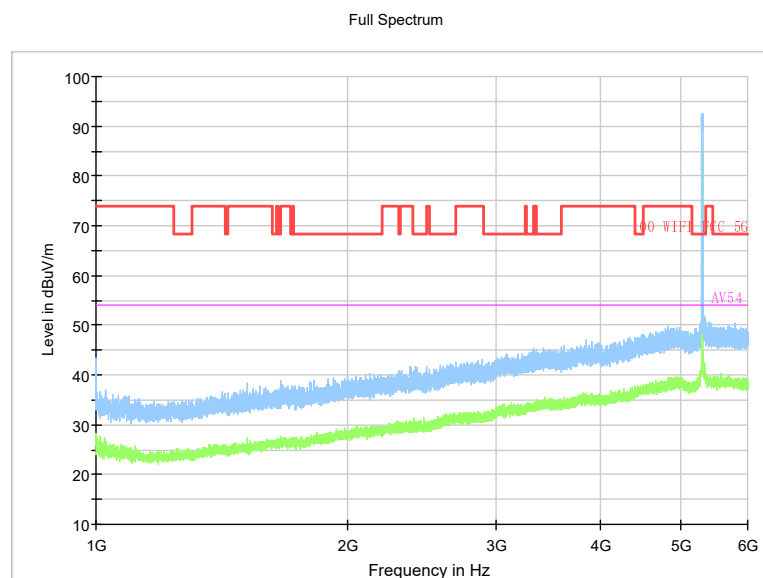
Modulation type: 802.11a



Frequency Range: 30MHz -1GHz

Detector: QP mode

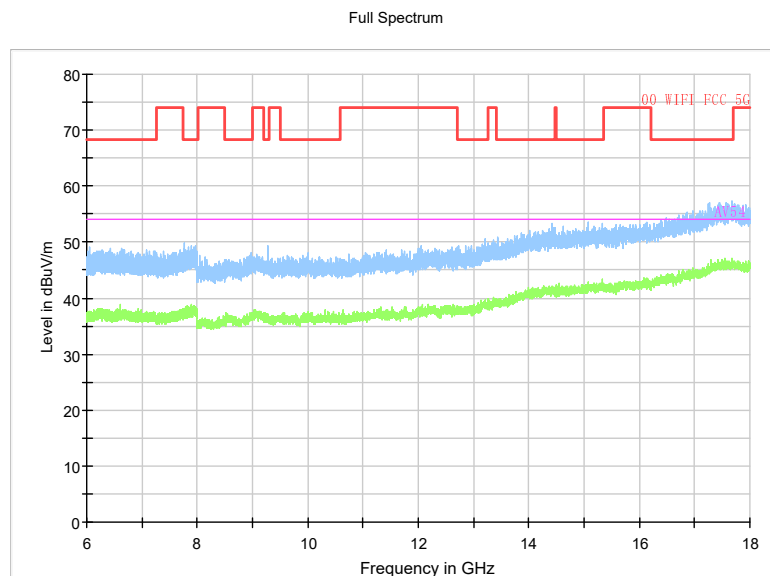
Modulation type: 802.11n(HT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

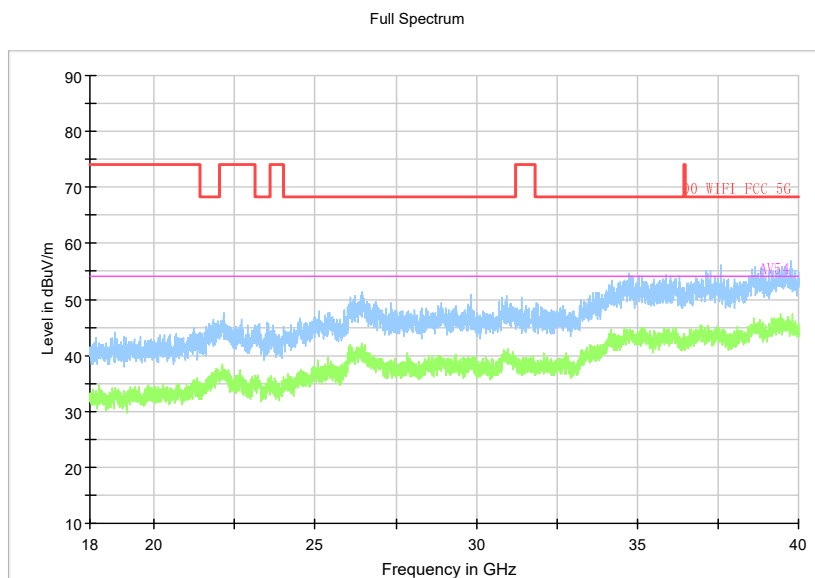
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

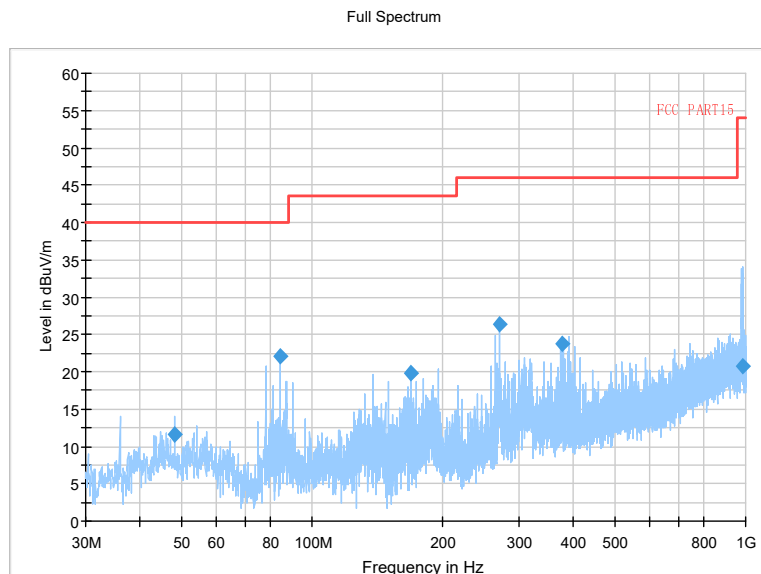
Modulation type: 802.11n(HT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

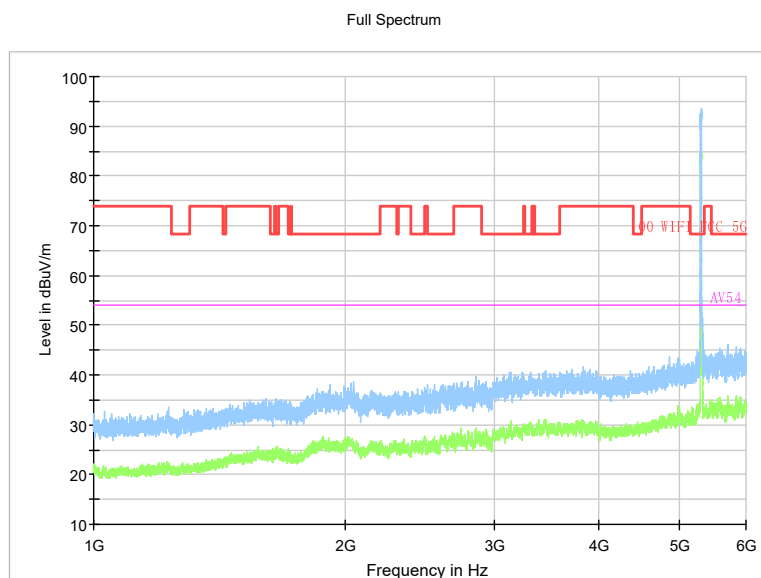
Modulation type: 802.11n(HT20)



Frequency Range: 30MHz -1GHz

Detector: QP mode

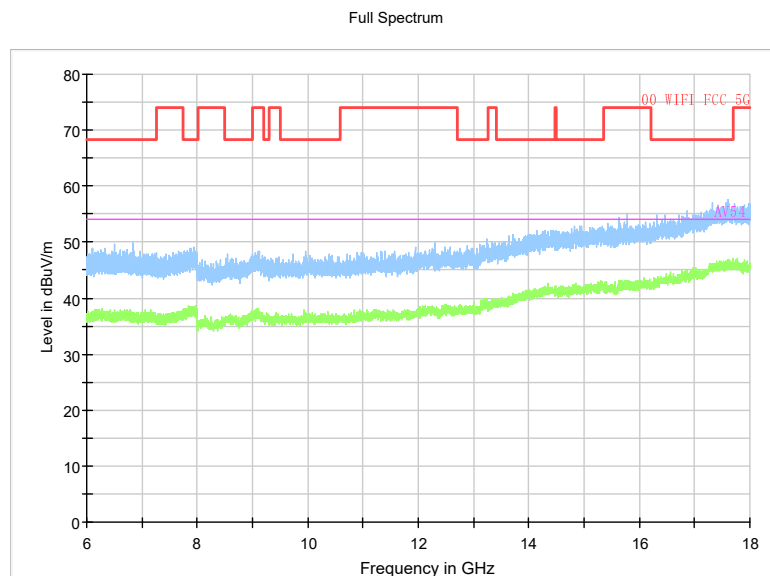
Test Mode: 802.11ac(VHT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

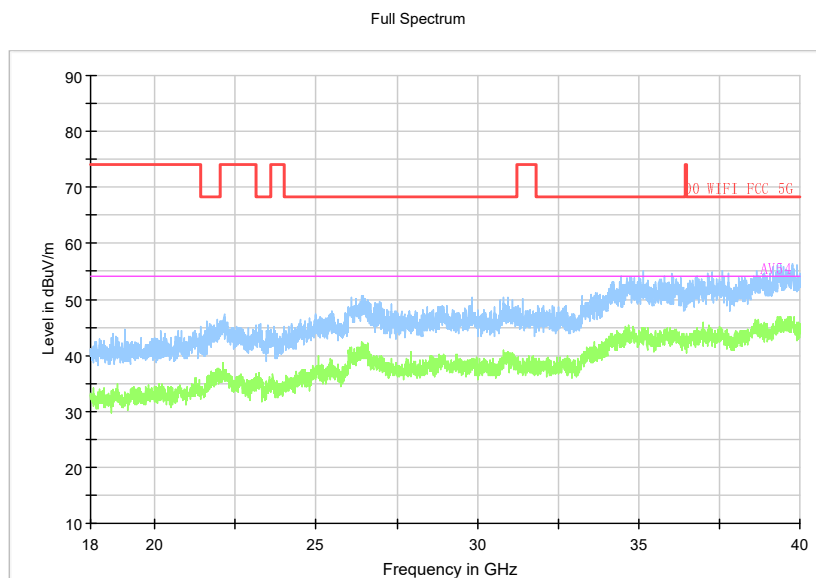
Test Mode: 802.11ac(VHT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)

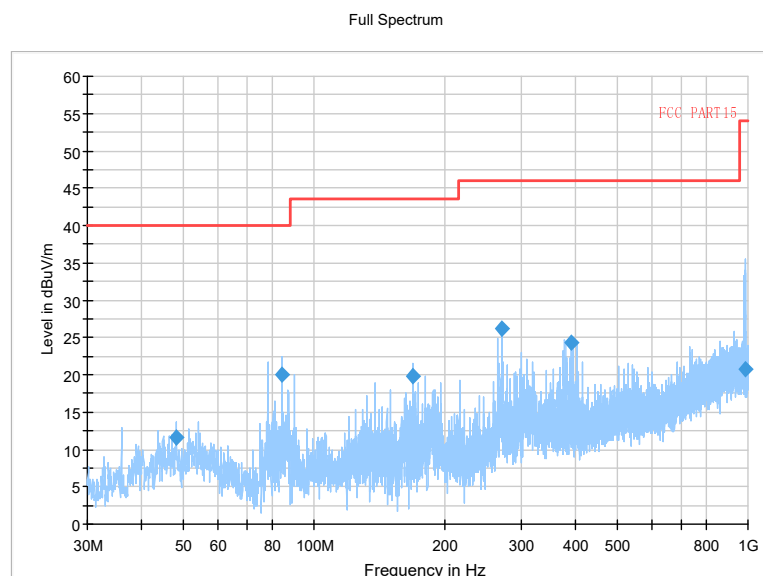


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VERITAS

Test Report No.: PSU-NQN2504020214RF02

Carrier frequency (MHz): 5320

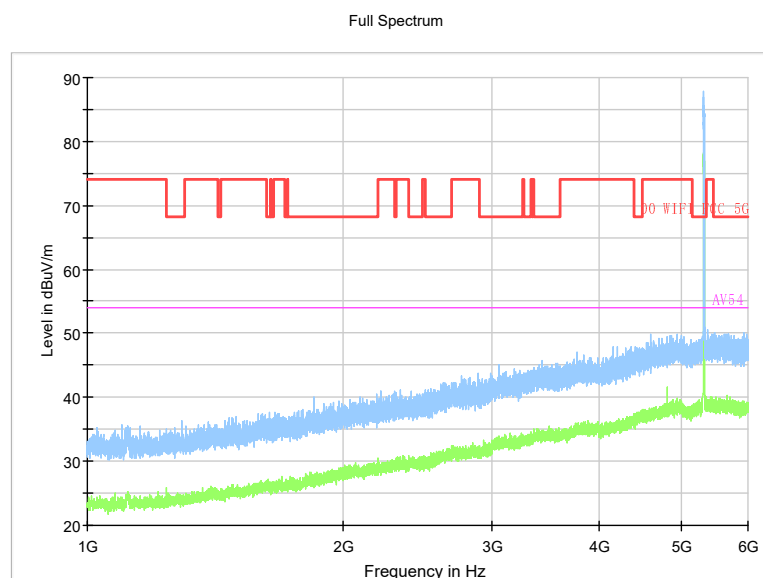
Channel No.:64



Frequency Range: 30MHz -1GHz

Detector: QP mode

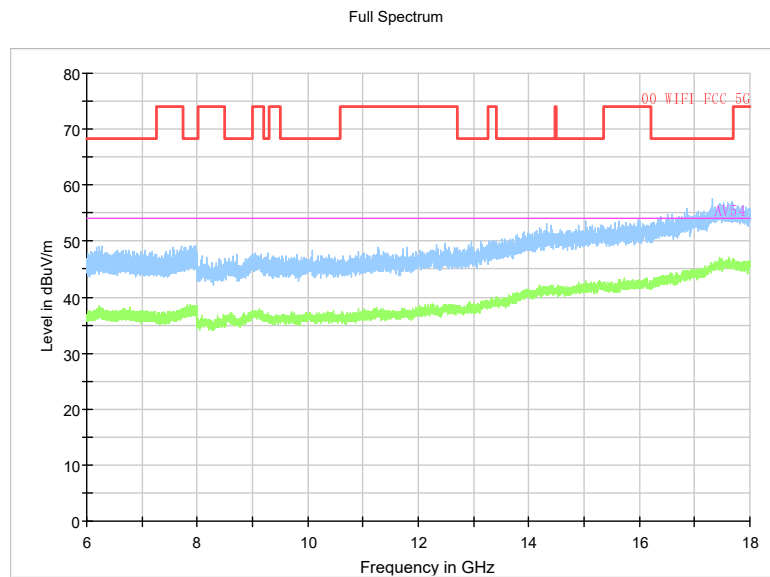
Modulation type: 802.11a



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

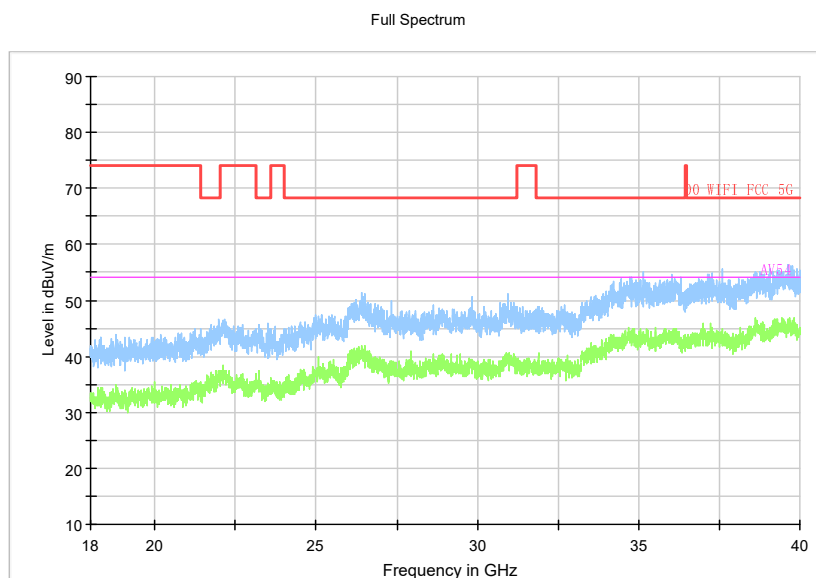
Modulation type: 802.11a



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

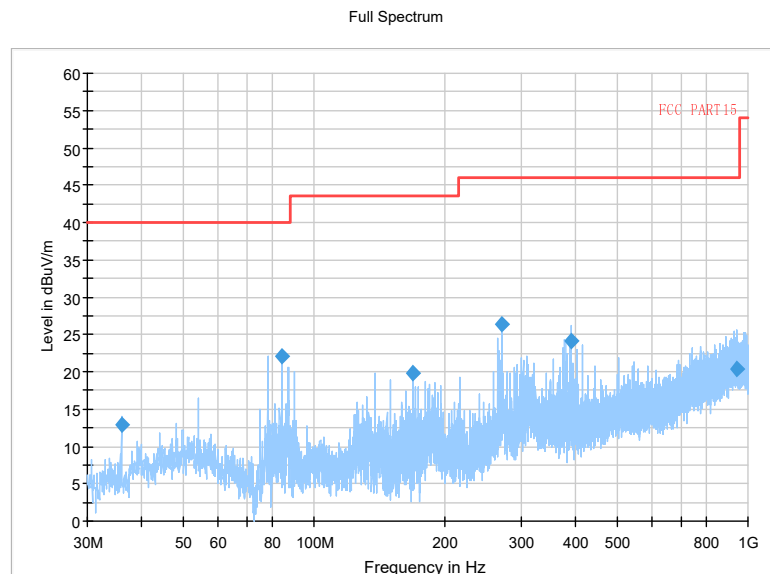
Modulation type: 802.11a



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

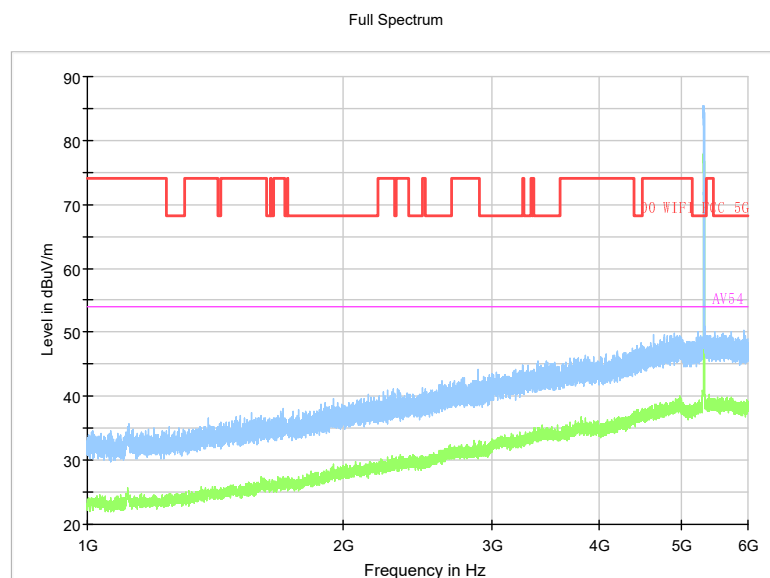
Modulation type: 802.11a



Frequency Range: 30MHz -1GHz

Detector: QP mode

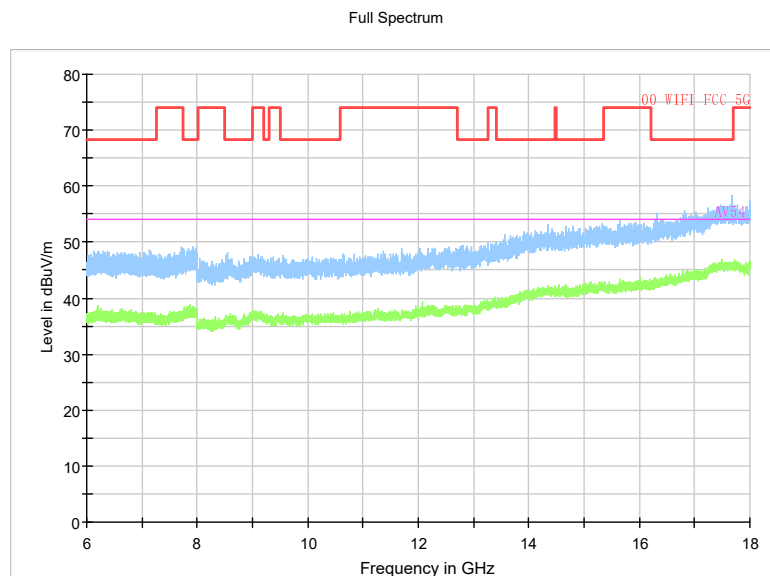
Modulation type: 802.11n(HT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

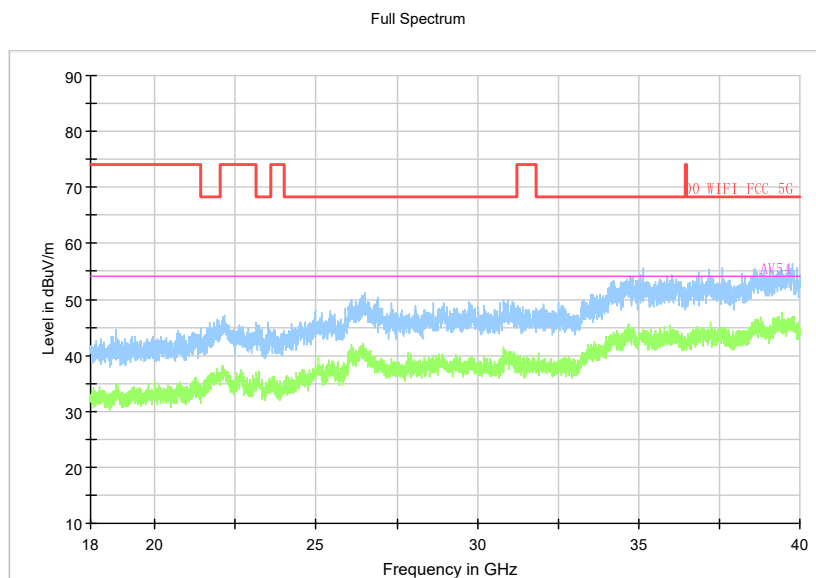
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

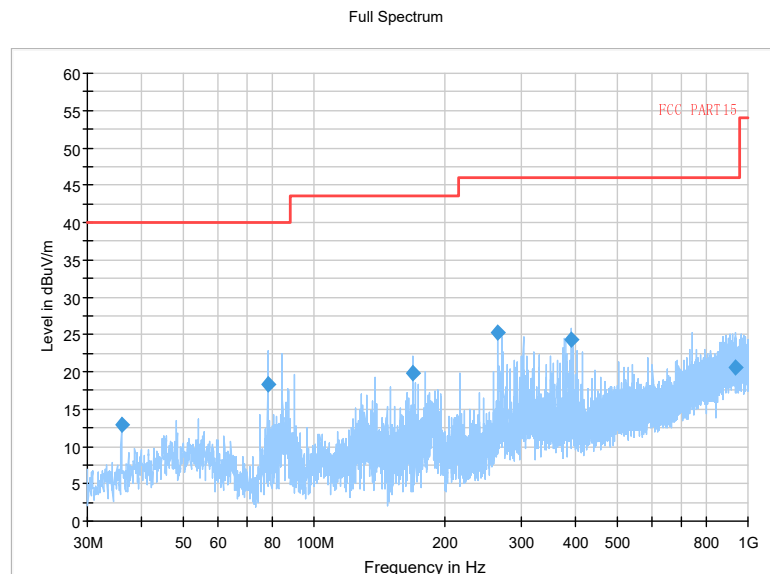
Modulation type: 802.11n(HT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

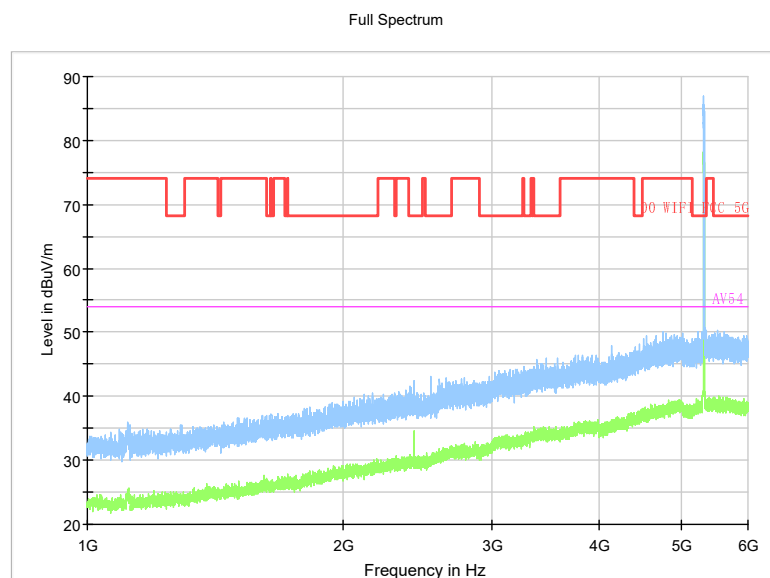
Modulation type: 802.11n(HT20)



Frequency Range: 30MHz -1GHz

Detector: QP mode

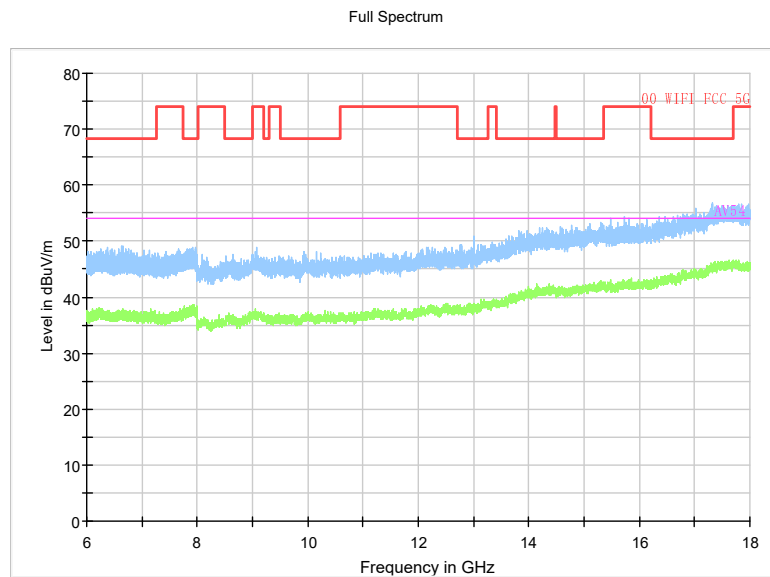
Test Mode: 802.11ac(VHT20)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

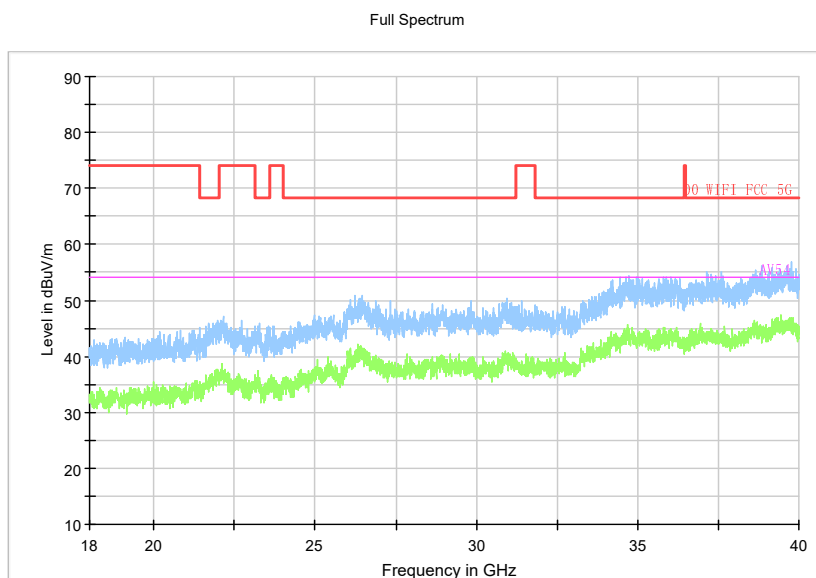
Test Mode: 802.11ac(VHT20)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)

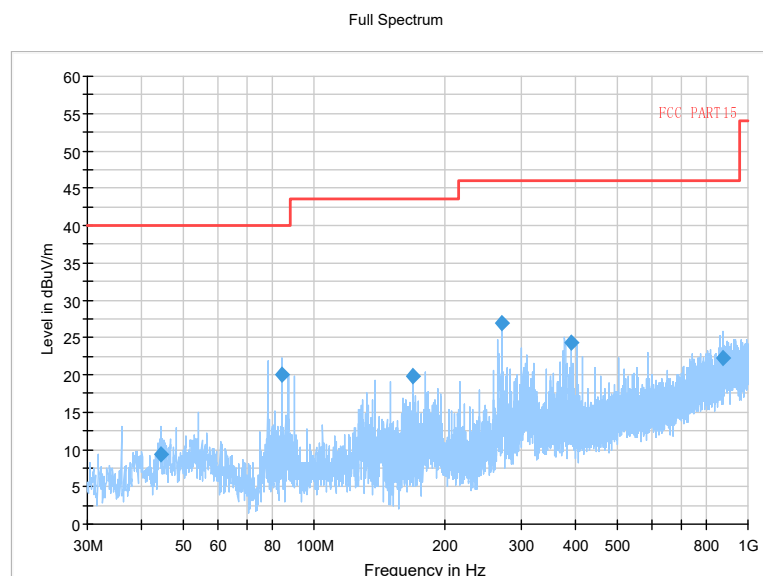


BUREAU
VERITAS

Test Report No.: PSU-NQN2504020214RF02

Carrier frequency (MHz): 5270

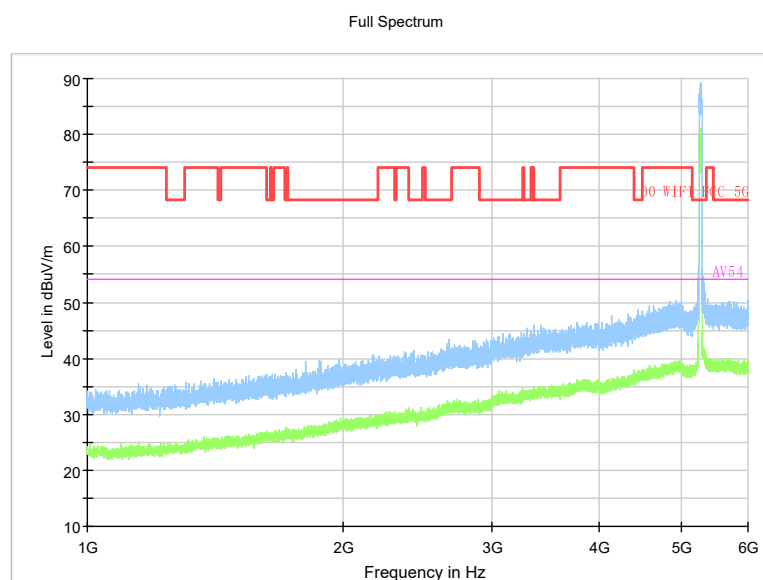
Channel No.:54



Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

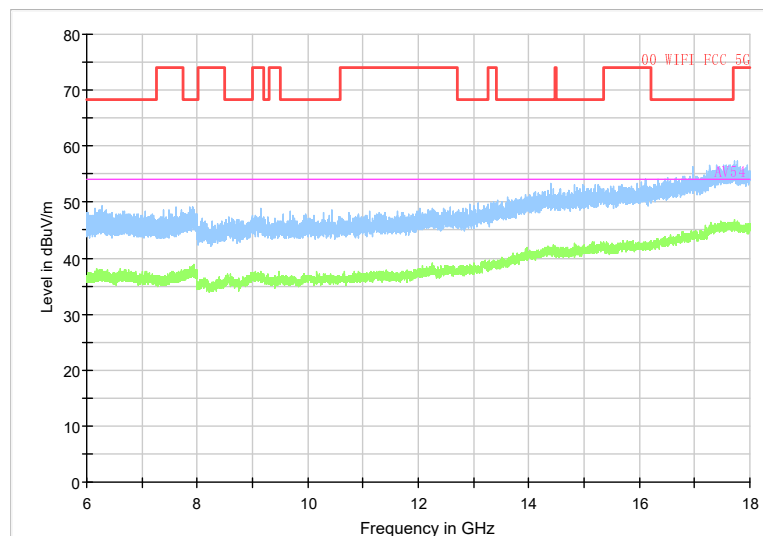
Modulation type: 802.11n(HT40)



BUREAU
VERITAS

Test Report No.: PSU-NQN2504020214RF02

Full Spectrum

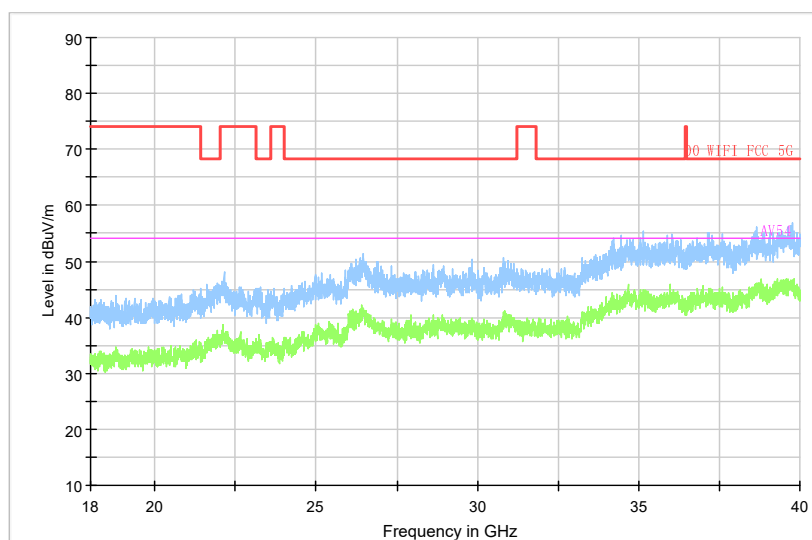


Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)

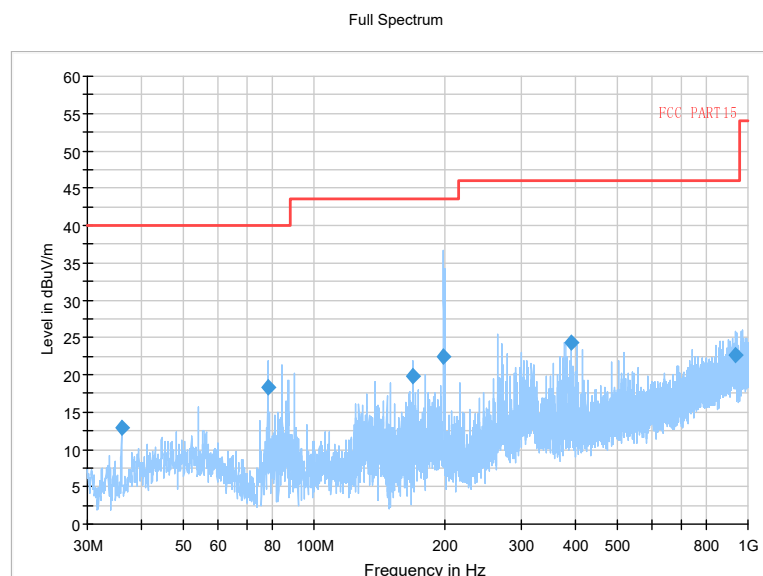
Full Spectrum



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

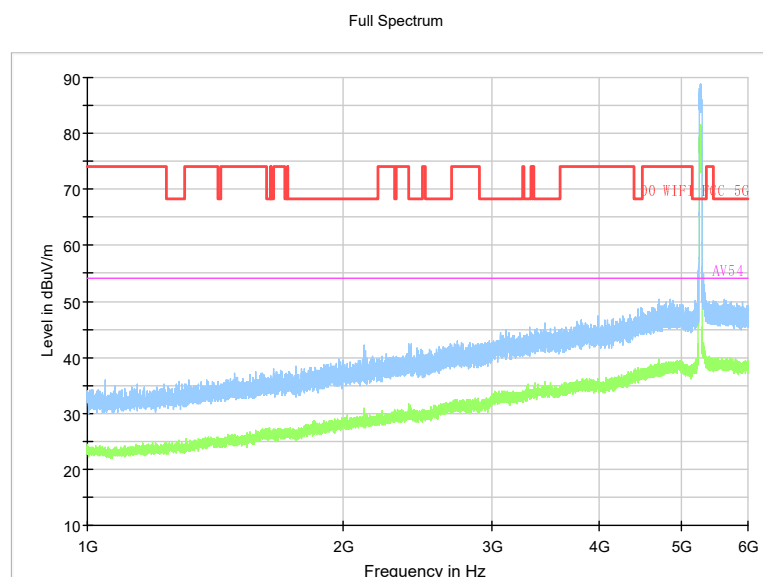
Modulation type: 802.11n(HT40)



Frequency Range: 30MHz -1GHz

Detector: QP mode

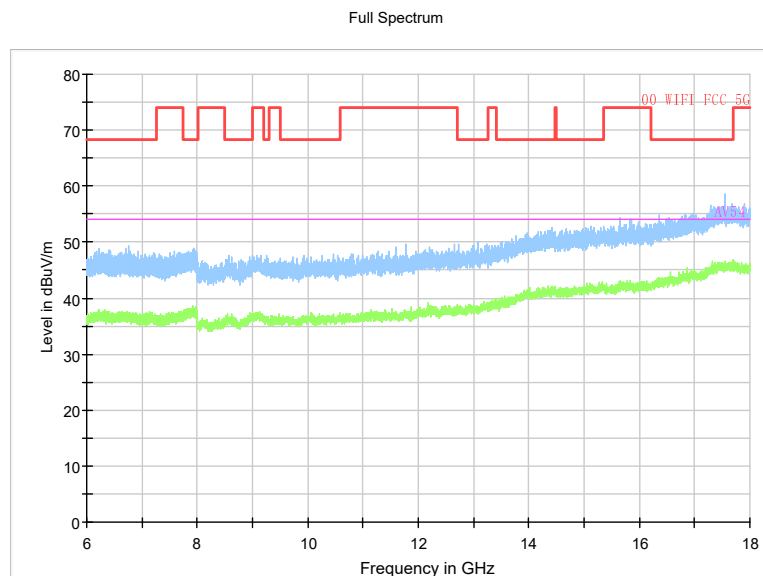
Test Mode: 802.11ac(VHT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

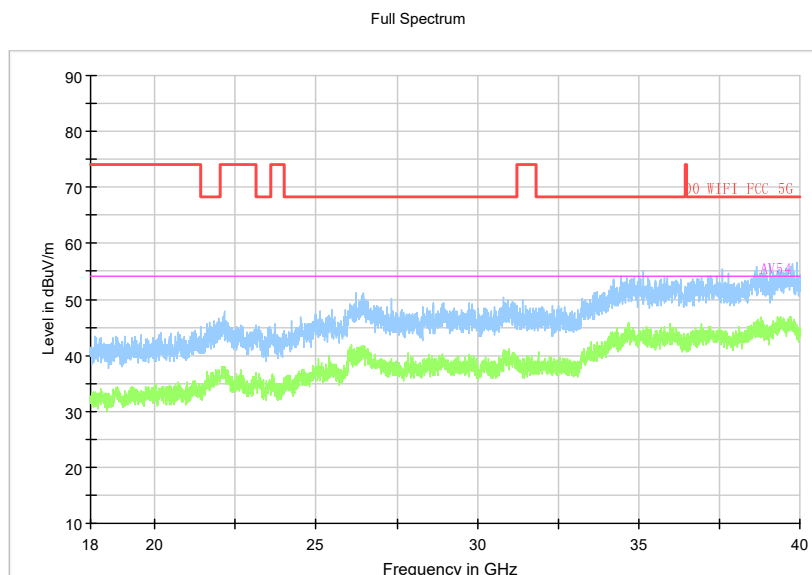
Test Mode: 802.11ac(VHT40)



Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT40)



Frequency Range: 18GHz -40GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT40)

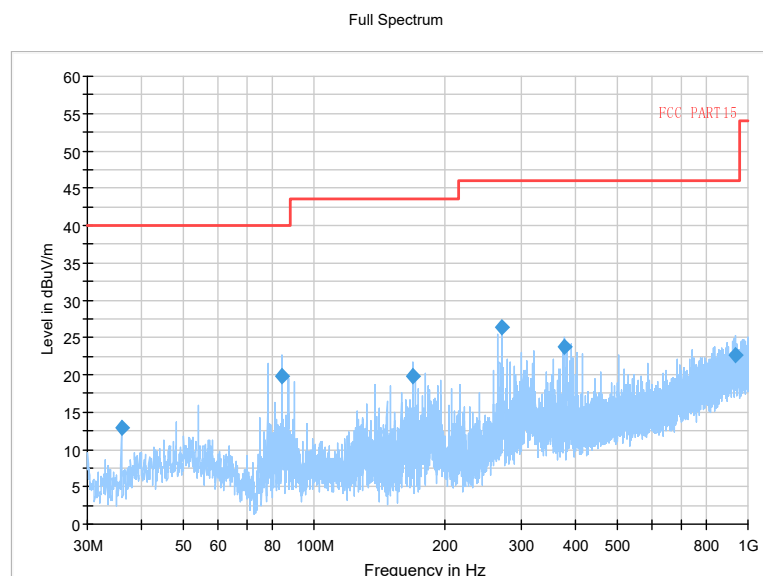


BUREAU
VERITAS

Test Report No.: PSU-NQN2504020214RF02

Carrier frequency (MHz): 5310

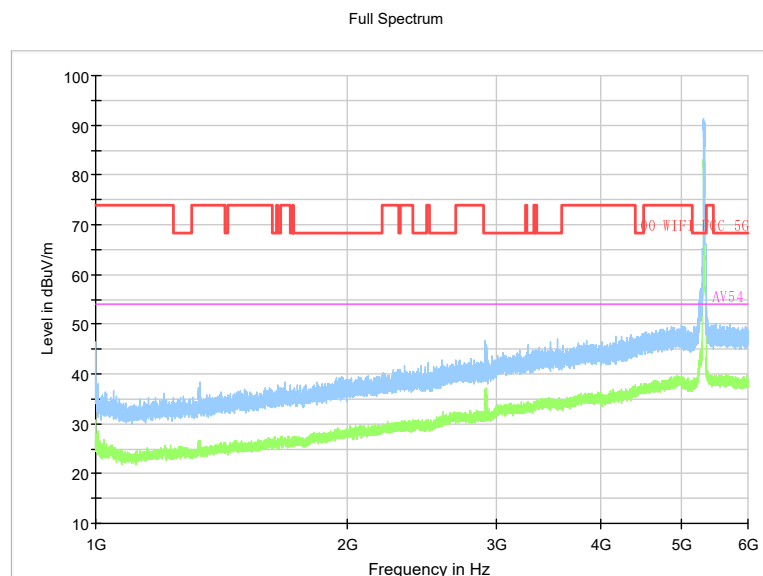
Channel No.:62



Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11n(HT40)



Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)