

## FCC PART 15.407

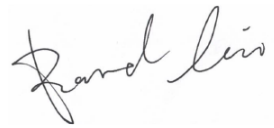
## TEST REPORT

For

**ACSL Ltd.**

Hulic Kasai Rinkai Bldg. 2F, 3-6-4 Rinkaicho, Edogawa-ku, Tokyo, Japan 134-0086

**FCC ID: 2A8JK-GS5US-FALCON**

|                                        |                                                                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report | <b>Product Name:</b><br>Smart Controller                                                                                                                                                                                    |
| <b>Report Number:</b>                  | RSHA240424001-00E                                                                                                                                                                                                           |
| <b>Report Date:</b>                    | 2024-08-06                                                                                                                                                                                                                  |
| <b>Reviewed By:</b>                    | Bard Liu<br>                                                                                                                           |
| <b>Approved By:</b>                    | Oscar Ye<br>                                                                                                                           |
| <b>Test Laboratory:</b>                | Bay Area Compliance Laboratories Corp. (Kunshan)<br>No.248 Chenghu Road, Kunshan, Jiangsu province, China<br>Tel: +86-512-86175000<br>Fax: +86-512-88934268<br><a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a> |

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S.Government.

## **TABLE OF CONTENTS**

|                                                                                                      |           |
|------------------------------------------------------------------------------------------------------|-----------|
| <b>REPORT REVISION HISTORY.....</b>                                                                  | <b>4</b>  |
| <b>GENERAL INFORMATION.....</b>                                                                      | <b>5</b>  |
| PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) .....                                             | 5         |
| OBJECTIVE .....                                                                                      | 6         |
| TEST METHODOLOGY .....                                                                               | 6         |
| MEASUREMENT UNCERTAINTY .....                                                                        | 6         |
| TEST FACILITY .....                                                                                  | 6         |
| <b>SYSTEM TEST CONFIGURATION.....</b>                                                                | <b>7</b>  |
| DESCRIPTION OF TEST CONFIGURATION .....                                                              | 7         |
| EUT EXERCISE SOFTWARE .....                                                                          | 9         |
| EQUIPMENT MODIFICATIONS .....                                                                        | 19        |
| SUPPORT EQUIPMENT LIST AND DETAILS .....                                                             | 19        |
| EXTERNAL I/O CABLE.....                                                                              | 19        |
| BLOCK DIAGRAM OF TEST SETUP .....                                                                    | 19        |
| <b>TEST EQUIPMENT LIST .....</b>                                                                     | <b>21</b> |
| <b>SUMMARY OF TEST RESULTS .....</b>                                                                 | <b>22</b> |
| <b>FCC §15.203 – ANTENNA REQUIREMENT .....</b>                                                       | <b>23</b> |
| APPLICABLE STANDARD .....                                                                            | 23        |
| ANTENNA CONNECTOR CONSTRUCTION .....                                                                 | 23        |
| <b>FCC §15.407 (b) (9) §15.207 (a) – AC POWER LINE CONDUCTED EMISSIONS.....</b>                      | <b>24</b> |
| APPLICABLE STANDARD .....                                                                            | 24        |
| TEST SYSTEM SETUP.....                                                                               | 24        |
| EMI TEST RECEIVER SETUP.....                                                                         | 24        |
| TEST PROCEDURE .....                                                                                 | 25        |
| TEST RESULTS SUMMARY .....                                                                           | 25        |
| <b>§15.205 &amp; §15.209 &amp; §15.407(B) – UNDESIRABLE EMISSION &amp; BAND EDGE EMISSIONS .....</b> | <b>26</b> |
| APPLICABLE STANDARD .....                                                                            | 26        |
| TEST SYSTEM SETUP.....                                                                               | 26        |
| EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP .....                                                    | 29        |
| TEST PROCEDURE .....                                                                                 | 29        |
| <b>FCC §15.407(a) &amp; §15.407(e)–EMISSION BANDWIDTH.....</b>                                       | <b>30</b> |
| APPLICABLE STANDARD .....                                                                            | 30        |
| TEST PROCEDURE .....                                                                                 | 30        |
| <b>FCC §15.407(a) – CONDUCTED TRANSMITTER OUTPUT POWER.....</b>                                      | <b>31</b> |
| APPLICABLE STANDARD .....                                                                            | 31        |
| TEST PROCEDURE .....                                                                                 | 31        |
| <b>FCC §15.407(a) - POWER SPECTRAL DENSITY .....</b>                                                 | <b>32</b> |
| APPLICABLE STANDARD .....                                                                            | 32        |
| TEST PROCEDURE .....                                                                                 | 32        |
| <b>EUT PHOTOGRAPHS .....</b>                                                                         | <b>33</b> |
| <b>TEST SETUP PHOTOGRAPHS .....</b>                                                                  | <b>34</b> |
| <b>APPENDIX - TEST DATA.....</b>                                                                     | <b>35</b> |
| ENVIRONMENTAL CONDITIONS & TEST INFORMATION.....                                                     | 35        |

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|                                                            |     |
|------------------------------------------------------------|-----|
| AC POWER LINE CONDUCTED EMISSIONS.....                     | 36  |
| TRANSMITTER UNWANTED EMISSIONS & BAND EDGE EMISSIONS ..... | 38  |
| EMISSION BANDWIDTH.....                                    | 101 |
| CONDUCTED TRANSMITTER OUTPUT POWER .....                   | 148 |
| POWER SPECTRAL DENSITY .....                               | 150 |

REPORT REVISION HISTORY

| Number of Revisions | Report No.        | Version | Issue Date | Description     |
|---------------------|-------------------|---------|------------|-----------------|
| 0                   | RSHA240424001-00E | R1V1    | 2024-08-06 | Initial Release |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                       |                                                                               |              |              |              |              |
|-----------------------|-------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|
| Applicant:            | ACSL Ltd.                                                                     |              |              |              |              |
| Manufacturer:         | Aerora North America, Inc.                                                    |              |              |              |              |
| Product Name:         | Smart Controller                                                              |              |              |              |              |
| Tested Model:         | TENSO-F3                                                                      |              |              |              |              |
| Power Supply:         | DC 3.7V                                                                       |              |              |              |              |
| Operating Frequency   | B1: 5150-5250 MHz, B2: 5250-5350 MHz,<br>B3: 5470-5725 MHz, B4: 5725-5850 MHz |              |              |              |              |
| Maximum Output Power  | Mode:                                                                         | 5G Wi-Fi B1: | 5G Wi-Fi B2: | 5G Wi-Fi B3: | 5G Wi-Fi B4: |
|                       | 802.11a:                                                                      | 18.16 dBm    | 18.45 dBm    | 19.17 dBm    | 18.33 dBm    |
|                       | 802.11ac20:                                                                   | 18.23 dBm    | 18.55 Bm     | 19.29 Bm     | 18.47 dBm    |
|                       | 802.11ac40:                                                                   | 18.76 dBm    | 19.08 dBm    | 20.22 dBm    | 19.36 dBm    |
|                       | 802.11ac80:                                                                   | 17.15dBm     | 18.12dBm     | 18.86dBm     | 19.54dBm     |
| Channel Number        | B1: 7, B2: 7, B3: 21, B4: 8                                                   |              |              |              |              |
| Channel Separation    | 802.11a/ac/n20: 20 MHz, 802.11ac/n40: 40 MHz, 802.11ac80: 80 MHz              |              |              |              |              |
| Modulation Type       | OFDM                                                                          |              |              |              |              |
| Antenna Type          | FPC Antenna                                                                   |              |              |              |              |
| ★Maximum Antenna Gain | Band 1: 1.92 dBi<br>Band 2: 1.92 dBi<br>Band 3: 0.15 dBi<br>Band 4: 0.15 dBi  |              |              |              |              |

*Note: The maximum antenna gain was provided by the applicant.*

*All measurement and test data in this report was gathered from production sample serial number: RSHA240424001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-04-24.)*

## Objective

This type approval report is prepared for *ACSL Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions' rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

## Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Kunshan).

## Measurement Uncertainty

| Item                               |                | Uncertainty |
|------------------------------------|----------------|-------------|
| AC Power Lines Conducted Emissions |                | 3.19 dB     |
| RF conducted test with spectrum    |                | 0.9dB       |
| RF Output Power with Power meter   |                | 0.5dB       |
| Radiated emission                  | 9 kHz~150 kHz  | 3.8dB       |
|                                    | 150 kHz~30 MHz | 3.4dB       |
|                                    | 30MHz~1GHz     | 6.11dB      |
|                                    | 1GHz~6GHz      | 4.45dB      |
|                                    | 6GHz~18GHz     | 5.23dB      |
|                                    | 18GHz~40GHz    | 5.65dB      |
| Occupied Bandwidth                 |                | 0.5kHz      |
| Temperature                        |                | 1.0°C       |
| Humidity                           |                | 6%          |

## Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN5055.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer. The system support 802.11a/n20/n40/ac20/ac40/ac80, the 802.11n20/n40 were reduced since the identical parameters with 802.11 ac20 and ac40.

For **5150~5250 MHz** band, test channel list is as below,

802.11a/ac 20/n20 mode Channel 36, 40, 48 were tested.  
802.11ac40/n40 mode Channel 38, 46 were tested.  
802.11ac80 mode Channel 42 was tested.

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 36      | 5180            | 44      | 5220            |
| 38      | 5190            | 46      | 5230            |
| 40      | 5200            | 48      | 5240            |
| 42      | 5210            | /       | /               |

For **5250~5350 MHz** band, test channel list is as below,

802.11a/ac20/n20 mode Channel 52, 56, 64 were tested.  
802.11ac40/n40 mode Channel 54, 62 were tested.  
802.11ac80 mode Channel 58 was tested.

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 52      | 5260            | 60      | 5300            |
| 54      | 5270            | 62      | 5310            |
| 56      | 5280            | 64      | 5320            |
| 58      | 5290            | /       | /               |

For **5470~5725 MHz** band, test channel list is as below,

802.11a/ac20/n20 mode Channel 100, 116, 140,144 were tested.  
802.11ac40/n40 mode Channel 102, 110, 134,142 were tested.  
802.11ac80 mode Channel 106, 122, 138 was tested.

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|
| 100     | 5500            | 116     | 5580            | 132     | 5660            |
| 102     | 5510            | 118     | 5590            | 134     | 5670            |
| 104     | 5520            | 120     | 5600            | 136     | 5680            |
| 106     | 5530            | 122     | 5610            | 138     | 5690            |
| 108     | 5540            | 124     | 5620            | 140     | 5700            |
| 110     | 5550            | 126     | 5630            | 142     | 5710            |
| 112     | 5560            | 128     | 5640            | 144     | 5720            |

For 5725~5850 MHz band,

802.11a/ac20/n20 mode Channel 149, 157, 165 were tested.

802.11ac40/n40 mode Channel 151, 159 were tested.

802.11ac80 mode Channel 155 was tested.

| Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) |
|---------|--------------------|---------|--------------------|
| 149     | 5745               | 159     | 5795               |
| 151     | 5755               | 161     | 5805               |
| 153     | 5765               | 165     | 5825               |
| 155     | 5775               | /       | /                  |
| 157     | 5785               | /       | /                  |

**EUT Exercise Software**

“QRCT3” was used to test.

The worst case was performed under:

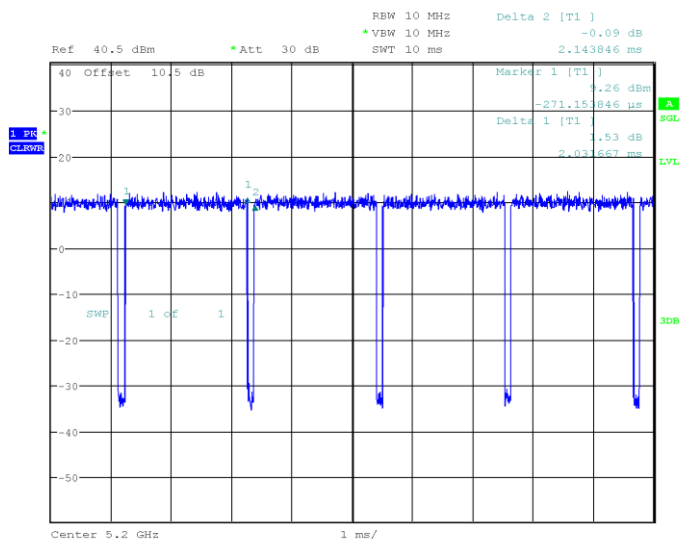
| U-NII        | Mode       | Data rate | ★Power Level |                |              |
|--------------|------------|-----------|--------------|----------------|--------------|
|              |            |           | Low Channel  | Middle Channel | High Channel |
| 5150~5250MHz | 802.11a    | 6Mbps     | 15           | 15             | 15           |
|              | 802.11ac20 | MCS0      | 15           | 15             | 15           |
|              | 802.11ac40 | MCS0      | 14           | /              | 14           |
|              | 802.11ac80 | MCS0      | /            | 12             | /            |

| U-NII        | Mode       | Data rate | ★Power Level |                |              |
|--------------|------------|-----------|--------------|----------------|--------------|
|              |            |           | Low Channel  | Middle Channel | High Channel |
| 5250~5350MHz | 802.11a    | 6Mbps     | 15           | 15             | 15           |
|              | 802.11ac20 | MCS0      | 15           | 15             | 15           |
|              | 802.11ac40 | MCS0      | 13           | /              | 13           |
|              | 802.11ac80 | MCS0      | /            | 13             | /            |

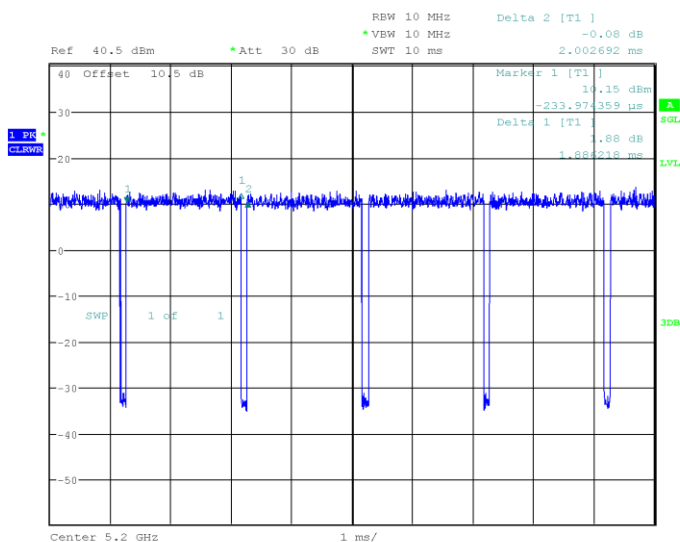
| U-NII        | Mode       | Data rate | ★Power Level |                |              |               |
|--------------|------------|-----------|--------------|----------------|--------------|---------------|
|              |            |           | Low Channel  | Middle Channel | High Channel | Cross Channel |
| 5470~5725MHz | 802.11a    | 6Mbps     | 15           | 15             | 15           | 15            |
|              | 802.11ac20 | MCS0      | 15           | 15             | 15           | 15            |
|              | 802.11ac40 | MCS0      | 13           | 13             | 13           | 13            |
|              | 802.11ac80 | MCS0      | 9            | 9              | 9            | /             |

| U-NII        | Mode       | Data rate | ★Power Level |                |              |
|--------------|------------|-----------|--------------|----------------|--------------|
|              |            |           | Low Channel  | Middle Channel | High Channel |
| 5725~5850MHz | 802.11a    | 6Mbps     | 15           | 15             | 15           |
|              | 802.11ac20 | MCS0      | 15           | 15             | 15           |
|              | 802.11ac40 | MCS0      | 15           | /              | 15           |
|              | 802.11ac80 | MCS0      | /            | 15             | /            |

Note: The power level was declared by the applicant.

**Duty Cycle****5150MHz-5250MHz Band:****802.11a mode**

ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 29.JUL.2024 19:18:59

**802.11ac20 mode**

ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 29.JUL.2024 19:26:01

RBW 10 MHz  
Delta 2 [T1] 0.21 dB  
Ref 40.5 dBm  
\* Att 30 dB  
SWT 5 ms  
1.032564 ms

40 Offset 10.5 dB  
Marker 1 [T1] 4.23 dBm  
-298.078923 us  
Delta 1 [T1] 1.98 dB  
924.673487 us

1 PK  
Clamp

SWP 1 of 1

Center 5.19 GHz  
500 us/

Date: 29.JUL.2024 19:27:59

RBW 10 MHz  
 Delta 2 [T1]  
 0.10 dB  
 \* VBW 10 MHz  
 554.455128  $\mu$ s  
 \* Att 30 dB  
 SWT 2.5 ms

Ref 40.5 dBm  
 Offset 10.5 dB

Marker 1 [T1]  
 -1.20 dBm  
 -842.948718  $\mu$ s  
 Delta 1 [T1]  
 1.55 dB  
 455.923487  $\mu$ s

1 dB  
 CL3309

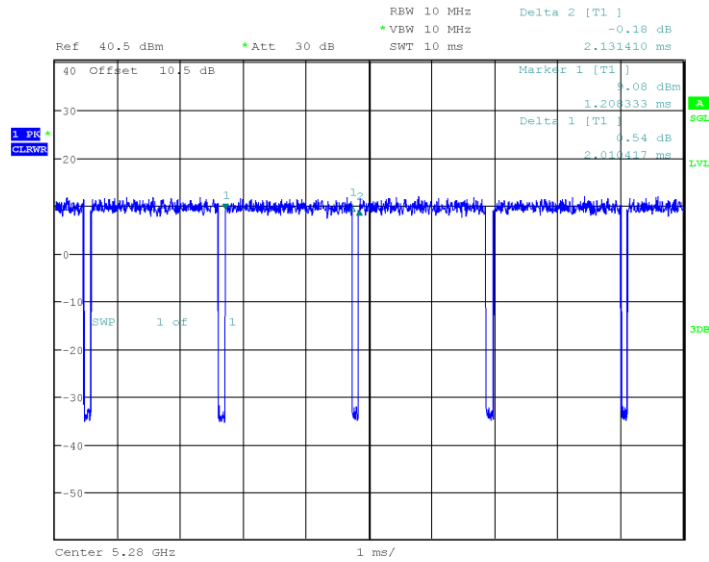
SWP 1 c/f 1

Center 5.21 GHz  
 250  $\mu$ s/

Date: 29.JUL.2024 19:32:40

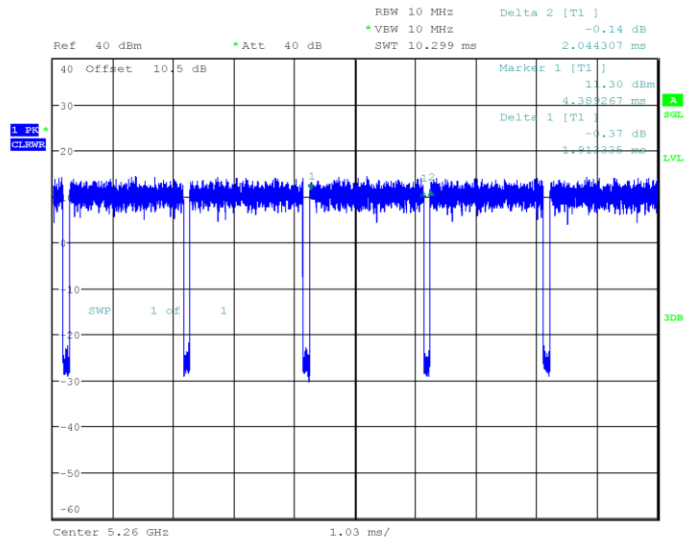
**5250MHz-5350MHz Band:**

**802.11a mode**



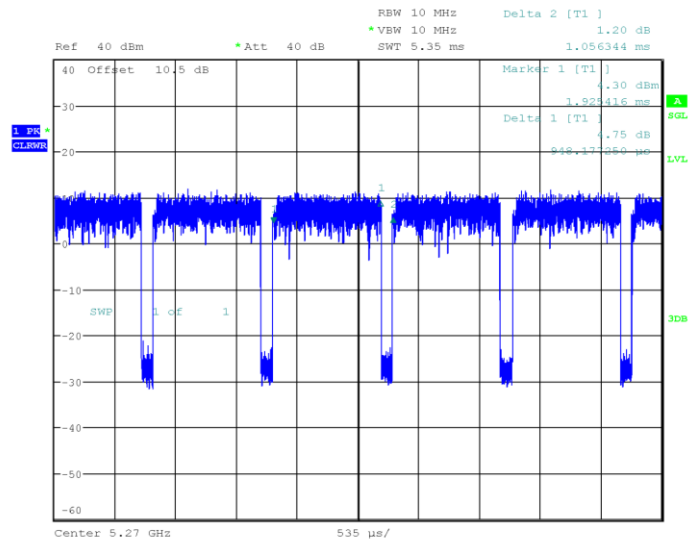
ProjectNo.:RSHA240424001 Tester:Bard Liu  
 Date: 29.JUL.2024 19:34:59

**802.11ac20 mode**



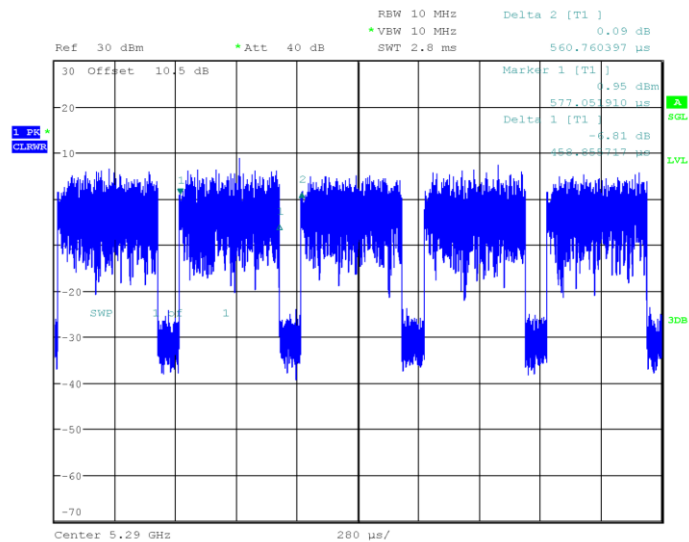
ProjectNo.:RSHA240424001 Tester:Bard Liu  
 Date: 23.MAY.2024 09:25:25

802.11ac40 mode

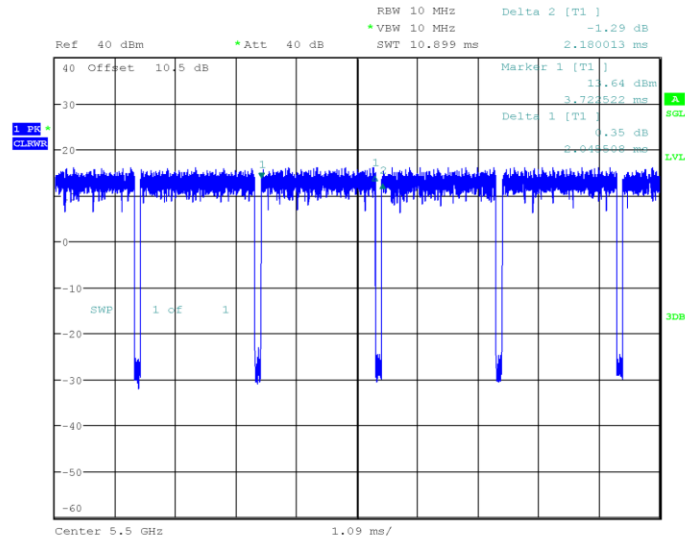


ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 23.MAY.2024 11:41:05

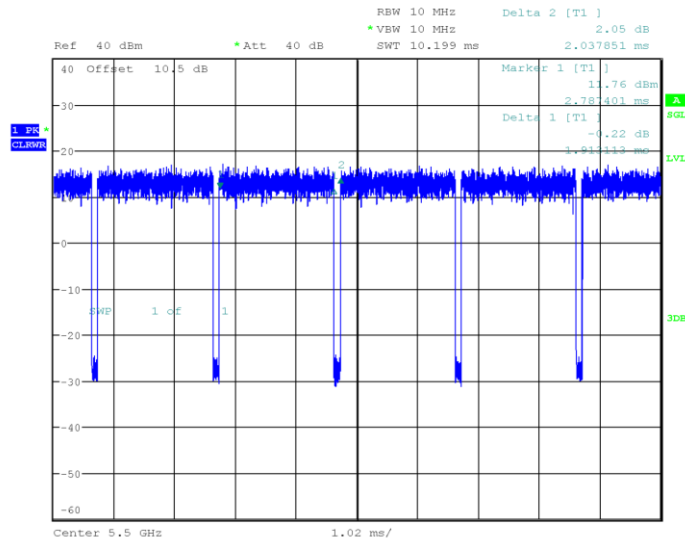
802.11ac80 mode



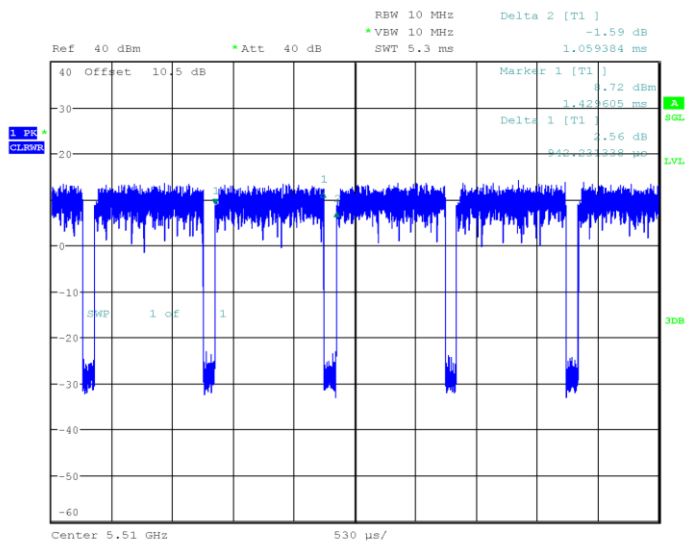
ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 23.MAY.2024 11:54:02

**5470MHz-5725MHz Band:****802.11a mode**

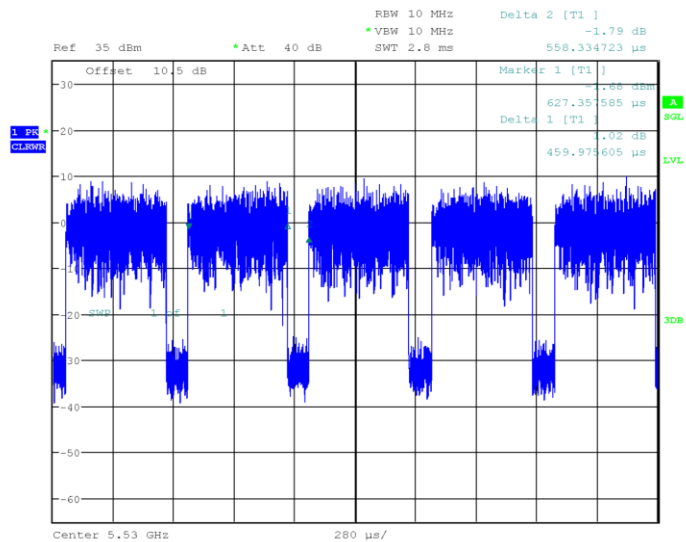
ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 24.MAY.2024 09:29:54

**802.11ac20 mode**

ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 24.MAY.2024 11:01:42

**802.11ac40 mode**

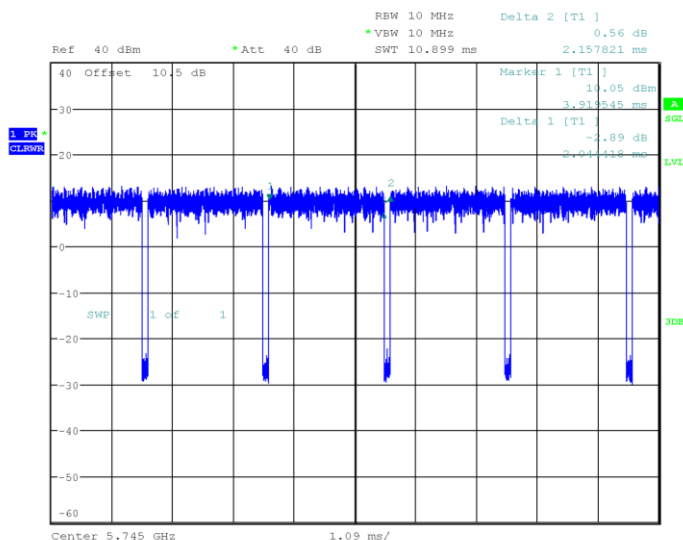
ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 24.MAY.2024 11:25:52

**802.11ac80 mode**

ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 24.MAY.2024 11:51:49

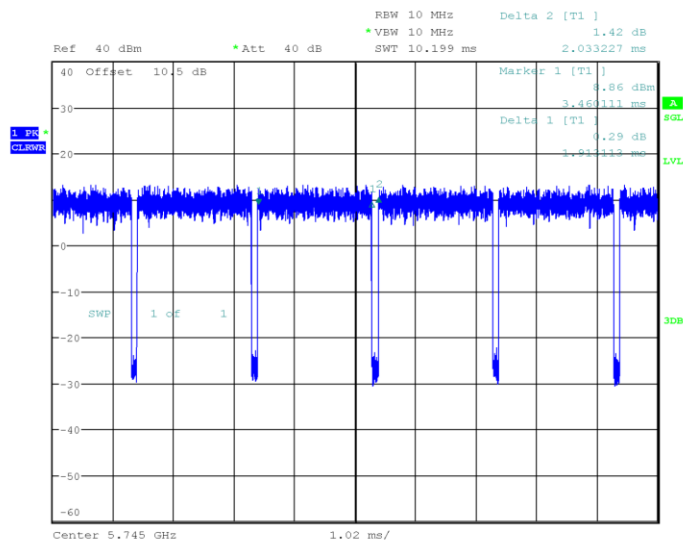
**5725MHz-5850MHz Band:**

**802.11a mode**



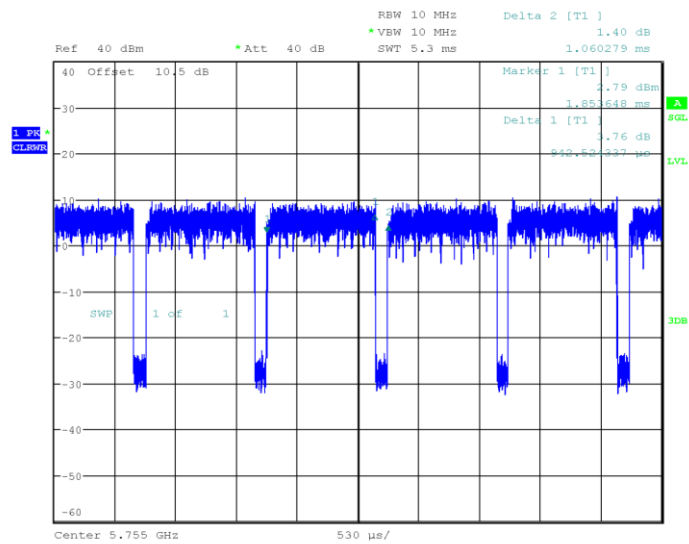
ProjectNo.:RSHA240424001 Tester:Bard Liu  
 Date: 23.MAY.2024 13:32:39

**802.11ac20 mode**



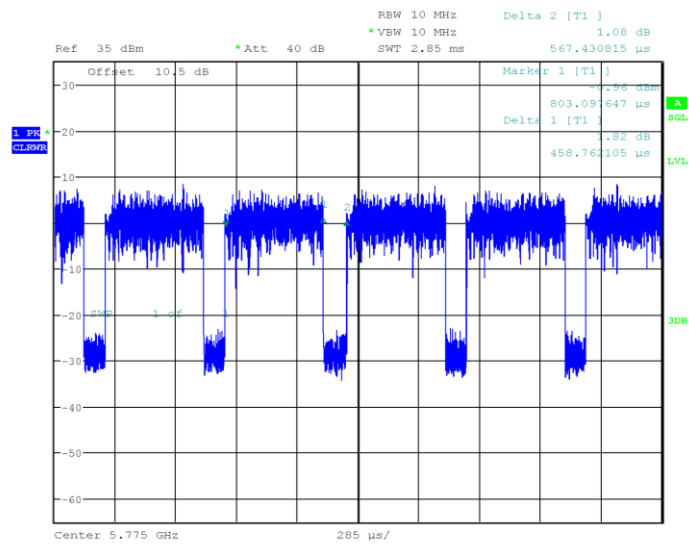
ProjectNo.:RSHA240424001 Tester:Bard Liu  
 Date: 23.MAY.2024 14:10:05

802.11ac40 mode



ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 23.MAY.2024 14:27:16

802.11ac80 mode



ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 23.MAY.2024 14:40:38

**5.2G**

| Mode                 | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty cycle factor (dB) |
|----------------------|----------|---------------|----------------|------------------------|
| a_5200MHz_Chain 0    | 2.032    | 2.144         | 94.78          | 0.23                   |
| ac20_5200MHz_Chain 0 | 1.886    | 2.003         | 94.16          | 0.26                   |
| ac40_5190MHz_Chain 0 | 0.925    | 1.033         | 89.55          | 0.48                   |
| ac80_5210MHz_Chain 0 | 0.456    | 0.554         | 82.31          | 0.85                   |

**5.3G**

| Mode                 | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty cycle factor (dB) |
|----------------------|----------|---------------|----------------|------------------------|
| a_5280MHz_Chain 0    | 2.010    | 2.131         | 94.32          | 0.25                   |
| ac20_5260MHz_Chain 0 | 1.913    | 2.044         | 93.59          | 0.29                   |
| ac40_5270MHz_Chain 0 | 0.948    | 1.056         | 89.77          | 0.47                   |
| ac80_5290MHz_Chain 0 | 0.459    | 0.561         | 81.82          | 0.87                   |

**5.6G**

| Mode                 | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty cycle factor (dB) |
|----------------------|----------|---------------|----------------|------------------------|
| a_5500MHz_Chain 0    | 2.046    | 2.180         | 93.85          | 0.28                   |
| ac20_5500MHz_Chain 0 | 1.913    | 2.038         | 93.87          | 0.27                   |
| ac40_5510MHz_Chain 0 | 0.942    | 1.059         | 88.95          | 0.51                   |
| ac80_5530MHz_Chain 0 | 0.460    | 0.558         | 82.44          | 0.84                   |

**5.8G**

| Mode                 | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty cycle factor (dB) |
|----------------------|----------|---------------|----------------|------------------------|
| a_5745MHz_Chain 0    | 2.044    | 2.158         | 94.72          | 0.24                   |
| ac20_5745MHz_Chain 0 | 1.913    | 2.033         | 94.10          | 0.26                   |
| ac40_5755MHz_Chain 0 | 0.943    | 1.060         | 88.96          | 0.51                   |
| ac80_5775MHz_Chain 0 | 0.459    | 0.567         | 80.95          | 0.92                   |

## Equipment Modifications

No modification was made to the EUT.

## Support Equipment List and Details

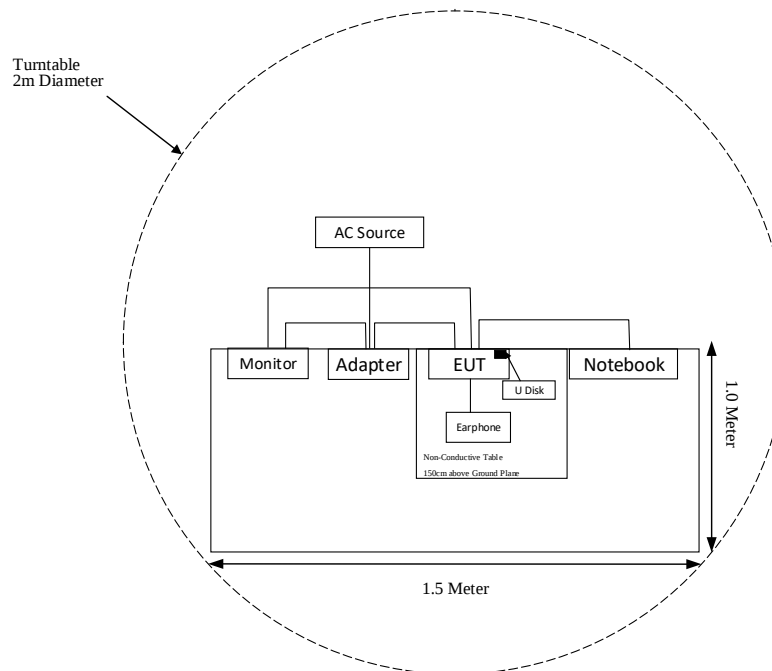
| Manufacturer | Description    | Model     | Serial Number      |
|--------------|----------------|-----------|--------------------|
| XIAOMI       | Monitor        | P24FBA-RA | 50715/313100001953 |
| Lenovo       | NOTEBOOK       | LJJ6K3U   | 9DD96DBA           |
| Lenovo       | USB flash disk | T180      | 0A1266865200521    |
| Unknown      | Earphone       | Unknown   | Unknown            |

## External I/O Cable

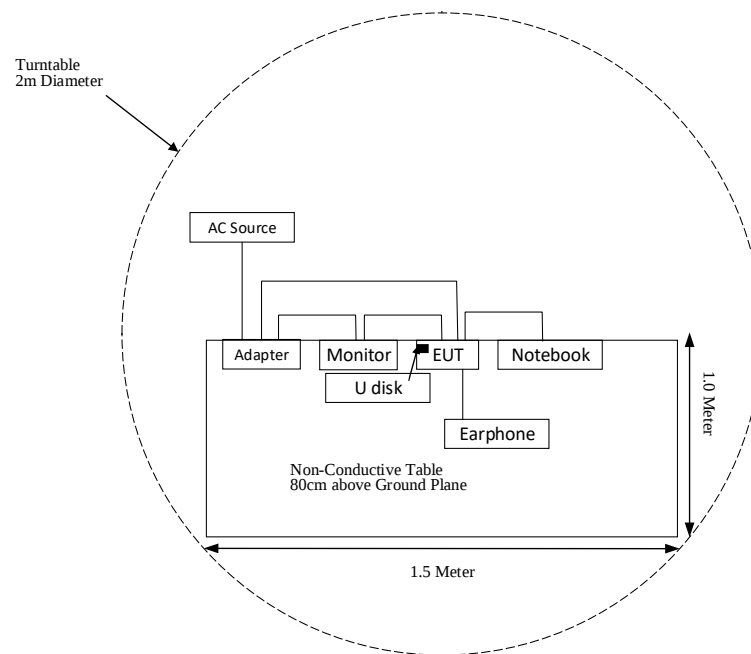
| Cable Description | Length (m) | From Port      | To      |
|-------------------|------------|----------------|---------|
| Power Cable       | 1.0        | LISN/AC Source | Adapter |
| USB Cable         | 1.0        | Adapter        | EUT     |
| RJ45              | 1.0        | Notebook       | EUT     |
| HDMI Cable        | 2.0        | Monitor        | EUT     |

## Block Diagram of Test Setup

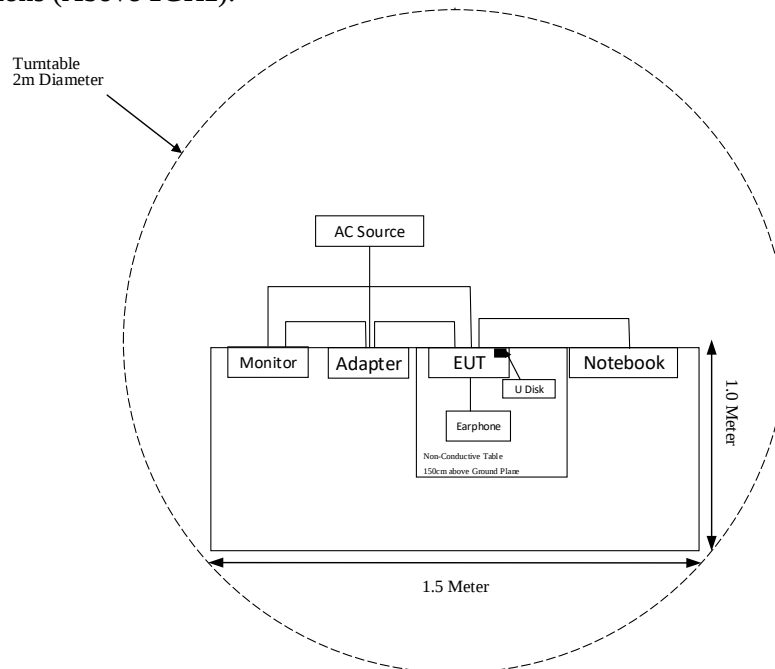
For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



## TEST EQUIPMENT LIST

| Manufacturer                               | Description         | Model     | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------------------------|---------------------|-----------|---------------|------------------|----------------------|
| <b>Radiated Emission Test (Chamber #1)</b> |                     |           |               |                  |                      |
| Rohde & Schwarz                            | EMI Test Receiver   | ESCI      | 100195        | 2024-04-23       | 2025-04-22           |
| Sunol Sciences                             | Hybrid Antenna      | JB3       | A090314-1     | 2023-11-11       | 2024-11-10           |
| ETS-LINDGREN                               | Loop Antenna        | 6512      | 108100        | 2023-11-09       | 2024-11-08           |
| Sonoma Instrument                          | Amplifier           | 310N      | 171205        | 2024-04-23       | 2025-04-22           |
| Rohde & Schwarz                            | Auto test Software  | EMC32     | 100361        | N/A              | N/A                  |
| MICRO-COAX                                 | Coaxial Cable       | Cable-8   | 008           | 2024-04-23       | 2025-04-22           |
| MICRO-COAX                                 | Coaxial Cable       | Cable-9   | 009           | 2024-04-23       | 2025-04-22           |
| MICRO-COAX                                 | Coaxial Cable       | Cable-10  | 010           | 2024-04-23       | 2025-04-22           |
| Narda                                      | 6dB Attenuator      | 773-6     | 10690812-2-1  | 2023-11-11       | 2024-11-10           |
| <b>Radiated Emission Test (Chamber #2)</b> |                     |           |               |                  |                      |
| Rohde & Schwarz                            | EMI Test Receiver   | ESU40     | 100207/040    | 2024-04-25       | 2025-04-24           |
| ETS-LINDGREN                               | Horn Antenna        | 3115      | 9311-4159     | 2023-12-02       | 2024-12-01           |
| ETS-LINDGREN                               | Horn Antenna        | 3116      | 2516          | 2023-12-08       | 2024-12-07           |
| A.H.Systems,inc                            | Amplifier           | PAM-0118P | 512           | 2024-04-25       | 2025-04-24           |
| EM Electronics Corporation                 | Amplifier           | EM18G40G  | 060726        | 2024-04-25       | 2025-04-24           |
| MICRO-TRONICS                              | Band Reject Filter  | BRC50703  | G094          | 2024-04-25       | 2025-04-24           |
| MICRO-TRONICS                              | Band Reject Filter  | BRC50704  | G084          | 2024-04-25       | 2025-04-24           |
| MICRO-TRONICS                              | Band Reject Filter  | BRC50705  | G085          | 2024-04-25       | 2025-04-24           |
| Narda                                      | Attenuator          | 10dB      | 010           | 2023-08-15       | 2024-08-14           |
| Rohde & Schwarz                            | Auto test Software  | EMC32     | 100361        | N/A              | N/A                  |
| MICRO-COAX                                 | Coaxial Cable       | Cable-6   | 006           | 2024-04-23       | 2025-04-22           |
| MICRO-COAX                                 | Coaxial Cable       | Cable-11  | 011           | 2024-04-23       | 2025-04-22           |
| MICRO-COAX                                 | Coaxial Cable       | Cable-12  | 012           | 2024-04-23       | 2025-04-22           |
| <b>RF Conducted Test</b>                   |                     |           |               |                  |                      |
| Rohde & Schwarz                            | Spectrum Analyzer   | FSV40-N   | 103298        | 2024-04-24       | 2025-04-23           |
| Rohde & Schwarz                            | Spectrum Analyzer   | FSU26     | 200103        | 2024-04-24       | 2025-04-23           |
| Anritsu                                    | Power Sensor        | MA24418A  | 12621         | 2024-04-23       | 2025-04-22           |
| Narda                                      | Attenuator          | 10dB      | 010           | 2024-04-23       | 2025-04-22           |
| XHFDZ                                      | RG316 Coaxial Cable | SMA-316   | XHF-1175      | Each time        | N/A                  |
| <b>Conducted Emission Test</b>             |                     |           |               |                  |                      |
| Rohde & Schwarz                            | EMI Test Receiver   | ESR       | 101746        | 2024-04-23       | 2025-04-22           |
| Rohde & Schwarz                            | LISN                | ENV216    | 101115        | 2024-04-23       | 2025-04-22           |
| Audix                                      | Test Software       | e3        | V9            | N/A              | N/A                  |
| Rohde & Schwarz                            | Pulse Limiter       | ESH3-Z2   | 0357.8810.54  | 2024-04-23       | 2025-04-22           |
| MICRO-COAX                                 | Coaxial Cable       | Cable-15  | 015           | 2024-04-23       | 2025-04-22           |

**Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

**SUMMARY OF TEST RESULTS**

| <b>FCC Rules</b>                | <b>Description of Test</b>                 | <b>Result</b> |
|---------------------------------|--------------------------------------------|---------------|
| §15.203                         | Antenna Requirement                        | Compliant     |
| §15.207 & §15.407(b) (9)        | AC Power Line Conducted Emissions          | Compliant     |
| § 15.205 & §15.209 & §15.407(b) | Undesirable Emission & Band Edge Emissions | Compliant     |
| §§15.407(a) & §15.407(e)        | Emission Bandwidth                         | Compliant     |
| §15.407(a)                      | Conducted Transmitter Output Power         | Compliant     |
| §15.407(a)                      | Power Spectral Density                     | Compliant     |

## FCC §15.203 – ANTENNA REQUIREMENT

### Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.407, if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### Antenna Connector Construction

Antenna permanently attached to the unit. fulfill the requirement of this section. Please refer to the EUT photos.

| Antenna Type | Frequency Range | Max. Antenna Gain | Input impedance |
|--------------|-----------------|-------------------|-----------------|
| FPC          | 5150~5250 MHz   | 1.92 dBi          | 50Ω             |
|              | 5250~5350 MHz   | 1.92 dBi          | 50Ω             |
|              | 5470~5725 MHz   | 0.15 dBi          | 50Ω             |
|              | 5725~5850 MHz   | 0.15 dBi          | 50Ω             |

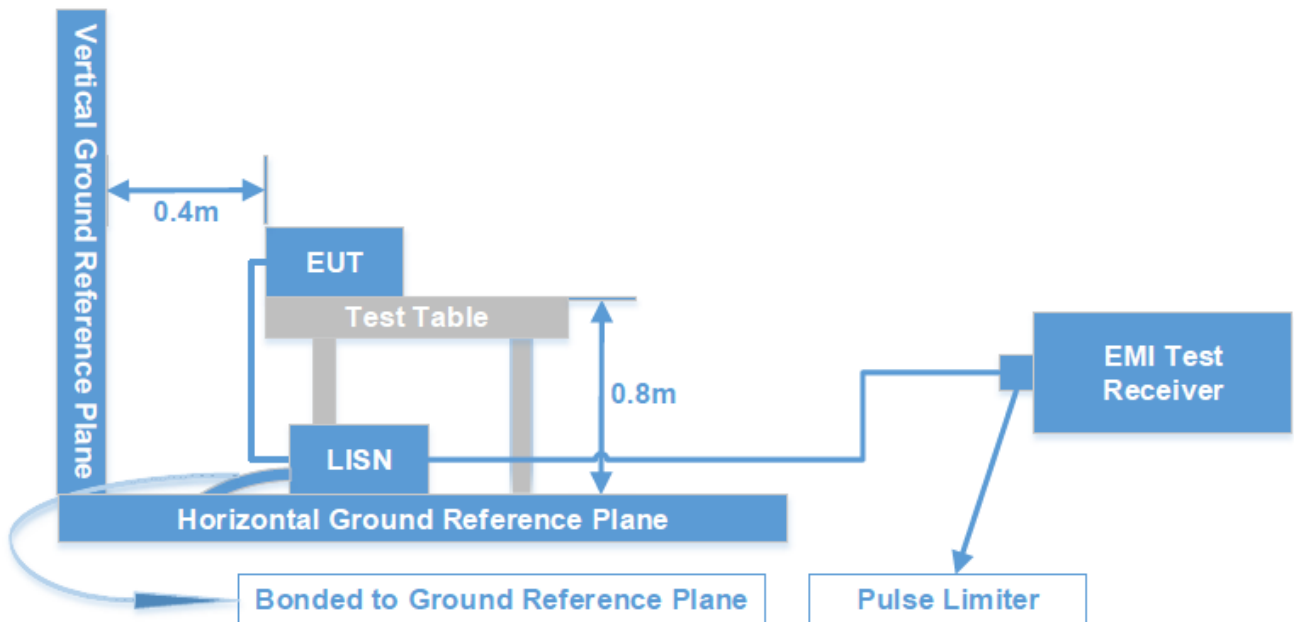
**Result:** Compliant.

## FCC §15.407 (b) (9) §15.207 (a) – AC POWER LINE CONDUCTED EMISSIONS

### Applicable Standard

FCC §15.207(a), §15.407(b) (9)

### Test System Setup



The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | RBW   | VBW    |
|------------------|-------|--------|
| 150 kHz - 30 MHz | 9 kHz | 30 kHz |

## Test Procedure

During the conducted emission test, the EUT or adapte Injector was connected to the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

## Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Level (dB}\mu\text{V)} &= \text{Read level (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

$$\text{Over Limit (dB)} = \text{Level (dB}\mu\text{V)} - \text{Limit (dB}\mu\text{V)}$$

## Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

**Test Data: See Appendix**

## §15.205 & §15.209 & §15.407(B) – UNDESIRABLE EMISSION & BAND EDGE EMISSIONS

### Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

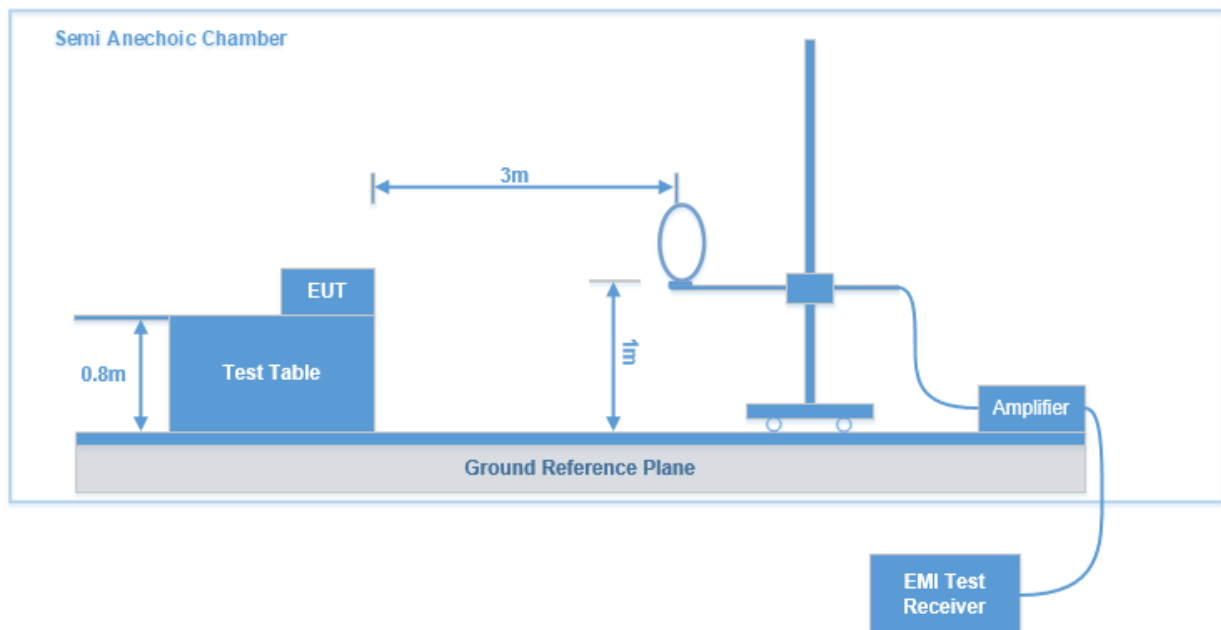
(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the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

As per FCC §15.35(d): Unless otherwise specified, on any frequency or frequencies above 1000MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000MHz shall be performed using a minimum resolution bandwidth of 1MHz.

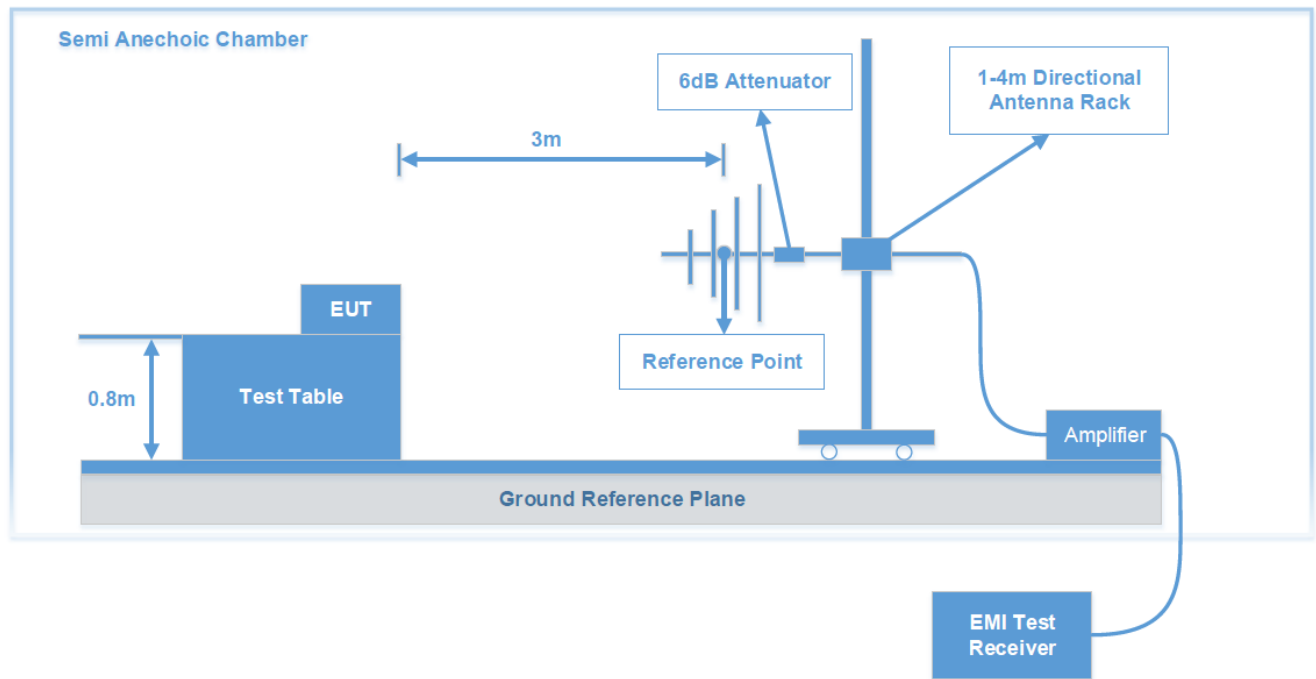
According to 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as:  $E \text{ [dB}\mu\text{V/m]} = \text{EIRP [dBm]} + 95.2$ , for  $d = 3$  meters.

### Test System Setup

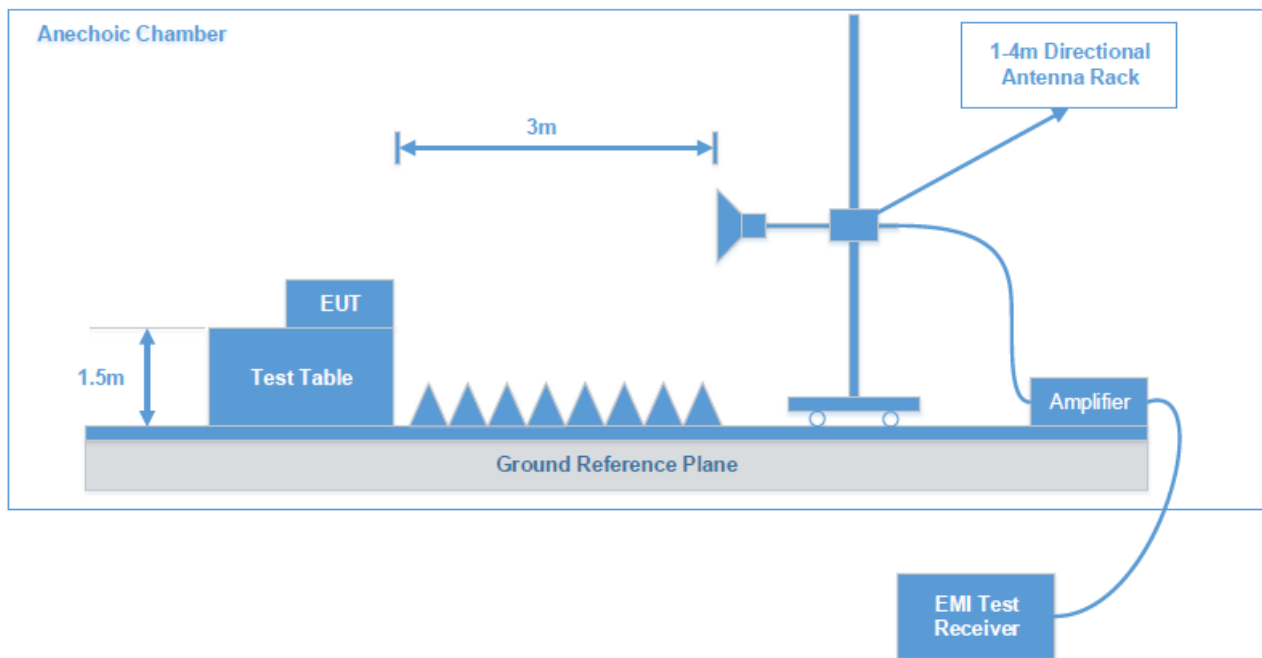
9 kHz – 30 MHz:



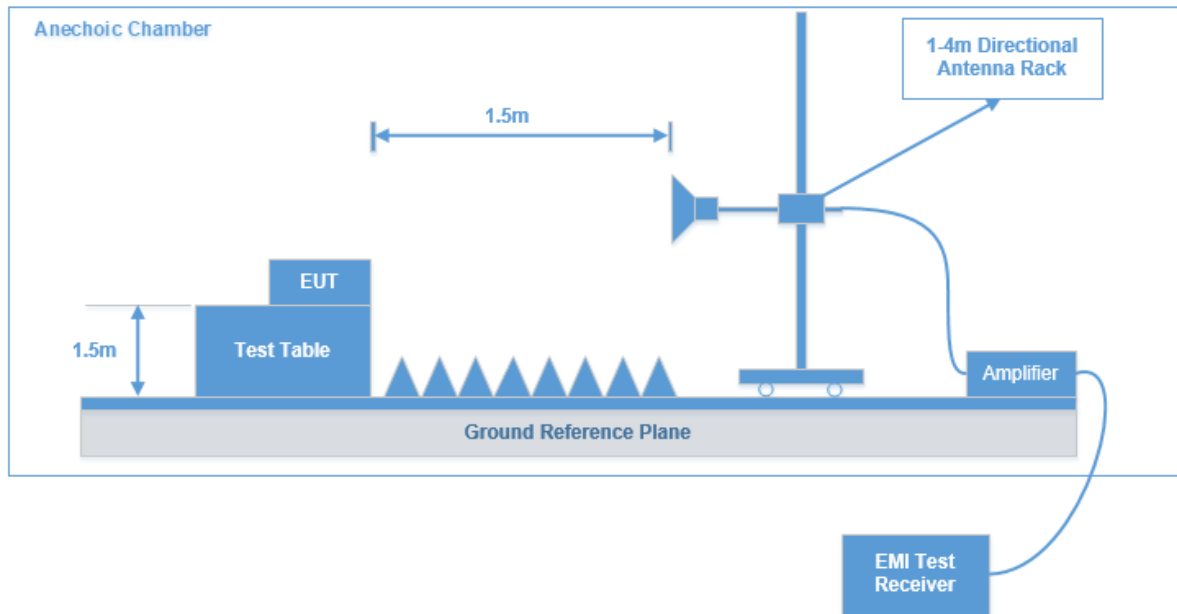
30 MHz - 1 GHz:



1 GHz – 18 GHz:



18 GHz – 40 GHz:



The radiated emission tests were performed in the 3 meters test site for below 18GHz and 1.5m for 18-40 GHz, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.407 limits. The limit at 1.5m for 18-40 GHz is 80dB $\mu$ V/m (Peak) and 60dB $\mu$ V/m (Average)

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

## EMI Test Receiver & Spectrum Analyzer Setup

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

| Frequency Range   | RBW     | VBW     | IF B/W  | Measurement |
|-------------------|---------|---------|---------|-------------|
| 9 kHz - 150 kHz   | 200 Hz  | 1 kHz   | 200 Hz  | QP/Average  |
| 150 kHz - 30 MHz  | 9 kHz   | 30 kHz  | 9 kHz   | QP/ Average |
| 30 MHz - 1000 MHz | 100 kHz | 300 kHz | /       | Peak        |
|                   | /       | /       | 120 kHz | QP          |
| Above 1GHz        | 1MHz    | 3 MHz   | /       | Peak        |
|                   | 1MHz    | 3 MHz   | /       | Average     |

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

## Test Procedure

During the radiated emission test, the adapter was connected to AC floor outlet. Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

## Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude (dB}\mu\text{V/m)} = \text{Meter Reading (dB}\mu\text{V)} + \text{Corrected factor (dB/m)}$$

$$\text{Corrected factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Corrected Amplitude (dB}\mu\text{V/m)}$$

**Test Data: See Appendix**

## FCC §15.407(a) & §15.407(e)–EMISSION BANDWIDTH

### Applicable Standard

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### Test Procedure

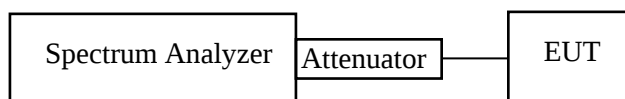
#### 1. Emission Bandwidth (EBW)

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

#### 2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- Set RBW = 100 kHz.
  - Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
  - Detector = Peak.
  - Trace mode = max hold.
  - Sweep = auto couple.
  - Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



## FCC §15.407(a) – CONDUCTED TRANSMITTER OUTPUT POWER

### Applicable Standard

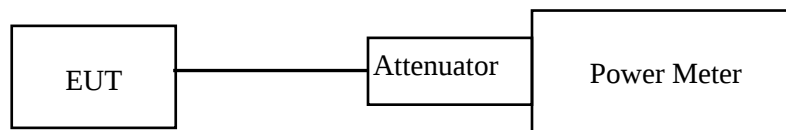
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

### Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.



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## FCC §15.407(a) - POWER SPECTRAL DENSITY

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### Applicable Standard

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

### Test Procedure

The measurements are base on FCC KDB 789033 D02 General UNII Test Proceidyres New Rules v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices section F: Maximum power spectral density (PPSD) and method SA-2

## **EUT PHOTOGRAPHS**

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Please refer to the attachment APPENDIX A-EUT EXTERNAL PHOTOGRAPHS and APPENDIX B-INTERNAL PHOTOGRAPHS.

## **TEST SETUP PHOTOGRAPHS**

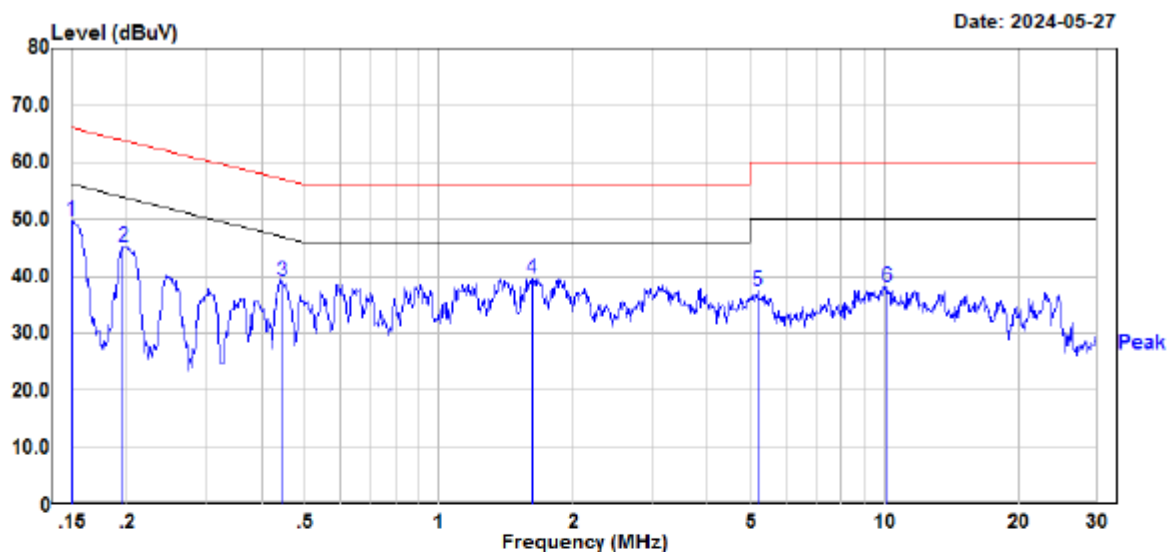
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Please refer to the attachment APPENDIX D-TEST SETUP PHOTOGRAPHS.

**APPENDIX - TEST DATA****Environmental Conditions & Test Information**

| Test Item:         | DUTY CYCLE                  | AC POWER-<br>LINE<br>CONDUCTED<br>EMISSIONS<br>LIMITS | UNWANTED EMISSIONS & BAND EDGE<br>EMISSIONS |                       |                 |
|--------------------|-----------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------|-----------------|
|                    |                             |                                                       | 9 kHz - 1GHz                                | 1 GHz – 18 GHz        | 18 GHz - 40 GHz |
| Test Date:         | 2024-05-23 to<br>2024-07-29 | 2024-05-27                                            | 2024-06-03                                  | 2024-06-03            | 2024-05-24      |
| Temperature:       | 21.3-22.3 °C                | 24.5 °C                                               | 23.8 °C                                     | 23.8 °C               | 25.5 °C         |
| Relative Humidity: | 41-48 %                     | 57 %                                                  | 50 %                                        | 50 %                  | 52 %            |
| ATM Pressure:      | 101.0-101.9kPa              | 100.7kPa                                              | 101.2 kPa                                   | 101.2 kPa             | 100.5kPa        |
| Test Result:       | /                           | Pass                                                  | Pass                                        | Pass                  | Pass            |
| Test Engineer:     | Bard Liu                    | Frank Liu                                             | Leah Li                                     | Klein Zhu&<br>Hugh Wu | Hugh Wu         |

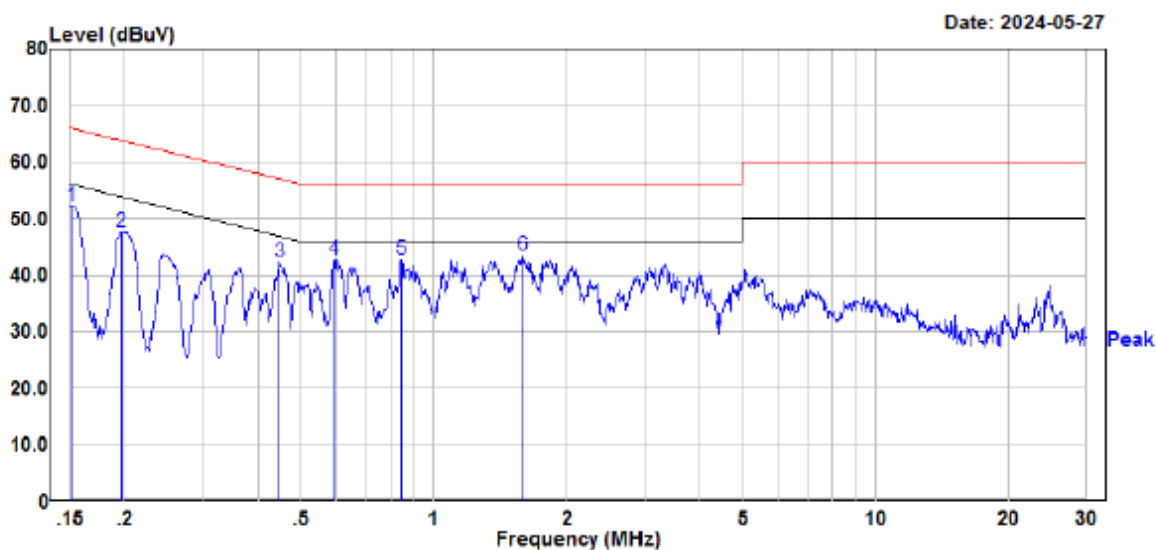
| Test Item:         | EMISSION BANDWIDTH       | CONDUCTED<br>TRANSMITTER<br>OUTPUT POWER | POWER SPECTRAL<br>DENSITY |
|--------------------|--------------------------|------------------------------------------|---------------------------|
| Test Date:         | 2024-05-15 to 2024-08-05 | 2024-05-15 to 2024-05-24                 | 2024-05-15 to 2024-05-24  |
| Temperature:       | 21.3-22.3 °C             | 21.3-22.3 °C                             | 21.3-22.3 °C              |
| Relative Humidity: | 41-48 %                  | 41-48 %                                  | 41-48 %                   |
| ATM Pressure:      | 101.0-101.9kPa           | 101.0-101.9kPa                           | 101.0-101.9kPa            |
| Test Result:       | Pass                     | Pass                                     | Pass                      |
| Test Engineer:     | Bard Liu                 | Bard Liu                                 | Bard Liu                  |

**AC POWER LINE CONDUCTED EMISSIONS***EUT operation mode: Transmitting in 802.11ac40 mode low channel of 5470~5725MHz (maximum output power)***AC 120V/60 Hz, Line**

Site : CE  
Condition : FCC PART 15.207  
: DET:Peak  
Project No. : RSHA240424001  
Model : TENS0-F3  
Phase : L  
Voltage : 120V/60Hz  
Mode : 5G WIFI  
Test Equipment : ENV216,ESR  
Temperature : 24.5°C  
Humidity : 57%  
Atmospheric pressure: 100.7kPa  
Test Engineer : Frank Liu

|   | Freq   | Read Level | Factor | Level | Limit Line | Over Limit | Remark |
|---|--------|------------|--------|-------|------------|------------|--------|
|   | MHz    | dBuV       | dB     | dBuV  | dBuV       | dB         |        |
| 1 | 0.150  | 29.79      | 20.12  | 49.91 | 66.00      | -16.09     | Peak   |
| 2 | 0.195  | 24.99      | 20.11  | 45.10 | 63.81      | -18.71     | Peak   |
| 3 | 0.445  | 18.83      | 20.23  | 39.06 | 56.98      | -17.92     | Peak   |
| 4 | 1.617  | 19.51      | 20.02  | 39.53 | 56.00      | -16.47     | Peak   |
| 5 | 5.190  | 17.20      | 20.28  | 37.48 | 60.00      | -22.52     | Peak   |
| 6 | 10.121 | 18.23      | 20.00  | 38.23 | 60.00      | -21.77     | Peak   |

## AC 120V/60 Hz, Neutral



Site : CE  
Condition : FCC PART 15.207  
Project No. : RSHA240424001  
Model : TENS0-F3  
Phase : N  
Voltage : 120V/60Hz  
Mode : 5G WIFI  
Test Equipment : ENV216,ESR  
Temperature : 24.5℃  
Humidity : 57%  
Atmospheric pressure: 100.7kPa  
Test Engineer : Frank Liu

|   |       | Read  |        |       | Limit | Over   |        |
|---|-------|-------|--------|-------|-------|--------|--------|
|   | Freq  | Level | Factor | Level | Line  | Limit  | Remark |
|   | MHz   | dBuV  | dB     | dBuV  | dBuV  | dB     |        |
| 1 | 0.152 | 32.04 | 20.12  | 52.16 | 65.92 | -13.76 | Peak   |
| 2 | 0.196 | 27.62 | 20.11  | 47.73 | 63.76 | -16.03 | Peak   |
| 3 | 0.447 | 22.19 | 20.23  | 42.42 | 56.93 | -14.51 | Peak   |
| 4 | 0.597 | 22.72 | 20.10  | 42.82 | 56.00 | -13.18 | Peak   |
| 5 | 0.846 | 22.86 | 19.88  | 42.74 | 56.00 | -13.26 | Peak   |
| 6 | 1.585 | 23.59 | 20.01  | 43.60 | 56.00 | -12.40 | Peak   |

**Transmitter Unwanted Emissions & Band Edge Emissions**

After pre-scan in the X, Y and Z axes of orientation, the worst case in the Y axes of orientation is below:

**9 kHz - 30 MHz:** (Maximum output power mode and channel)

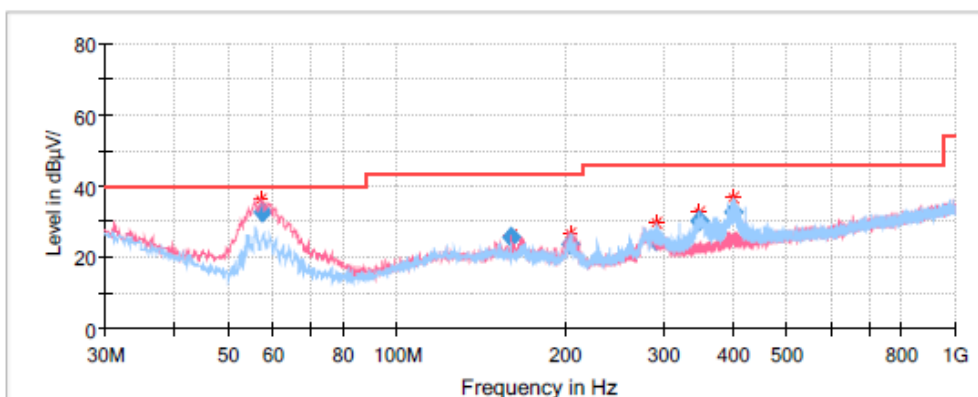
The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.

**30MHz-1GHz(5150-5250MHz Band):** (Transmitting in maximum output power mode 802.11ac40 mode)

**Low Channel: 5190 MHz**

**Common Information**

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RSHA240424001                                       |
| EUT Model:           | TENSO-F3                                            |
| Test Mode:           | 5G WIFI                                             |
| Standard:            | FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Temperature:         | 23.8°C                                              |
| Humidity:            | 50%                                                 |
| Barometric Pressure: | 101.2kPa                                            |
| Test Engineer:       | Leah Li                                             |
| Test Date:           | 2024/6/3                                            |

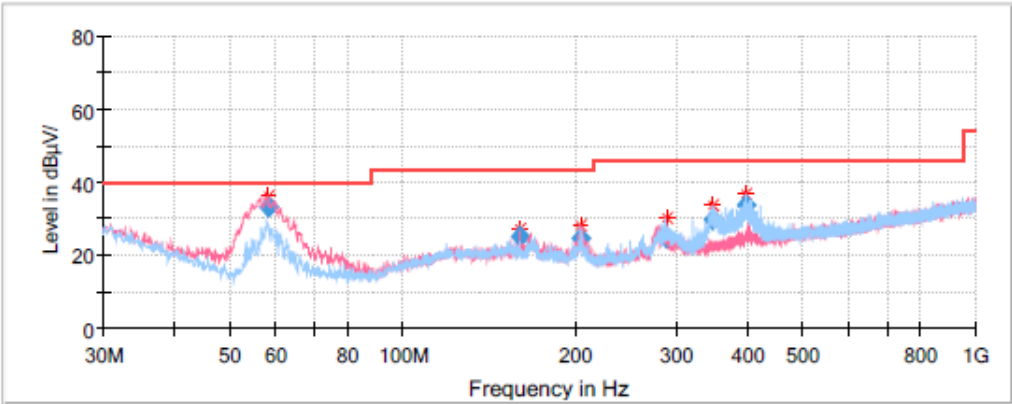
**Final Result**

| Frequency (MHz) | QuasiPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 57.578800       | 32.69               | 40.00           | 7.31        | V   | -17.4        |
| 160.007300      | 25.57               | 43.50           | 17.93       | V   | -12.2        |
| 204.514450      | 23.68               | 43.50           | 19.82       | H   | -12.5        |
| 292.014100      | 24.46               | 46.00           | 21.54       | H   | -10.6        |
| 348.413600      | 29.95               | 46.00           | 16.05       | H   | -9.3         |
| 400.109850      | 32.67               | 46.00           | 13.33       | H   | -8.0         |

High Channel: 5230 MHz

### Common Information

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RSHA240424001                                       |
| EUT Model:           | TENSO-F3                                            |
| Test Mode:           | 5G WIFI                                             |
| Standard:            | FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Temperature:         | 23.8°C                                              |
| Humidity:            | 50%                                                 |
| Barometric Pressure: | 101.2kPa                                            |
| Test Engineer:       | Leah Li                                             |
| Test Date:           | 2024/6/3                                            |



### Final Result

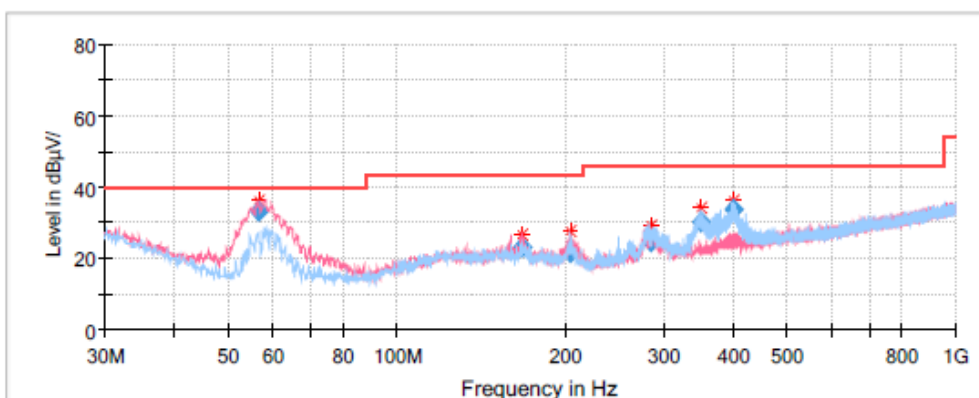
| Frequency (MHz) | QuasiPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 58.187250       | 33.37               | 40.00           | 6.63        | V   | -17.4        |
| 160.013900      | 25.32               | 43.50           | 18.18       | V   | -12.2        |
| 204.299000      | 24.68               | 43.50           | 18.82       | V   | -12.5        |
| 288.732250      | 24.49               | 46.00           | 21.51       | H   | -10.6        |
| 347.938400      | 29.89               | 46.00           | 16.11       | H   | -9.3         |
| 398.593650      | 33.63               | 46.00           | 12.37       | H   | -8.0         |

**30MHz-1GHz(5250-5350MHz Band): (Transmitting in maximum output power mode 802.11ac40 mode)**

**Low Channel: 5270 MHz**

### Common Information

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RSHA240424001                                       |
| EUT Model:           | TENSO-F3                                            |
| Test Mode:           | 5G WIFI                                             |
| Standard:            | FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Temperature:         | 23.8°C                                              |
| Humidity:            | 50%                                                 |
| Barometric Pressure: | 101.2kPa                                            |
| Test Engineer:       | Leah Li                                             |
| Test Date:           | 2024/6/3                                            |

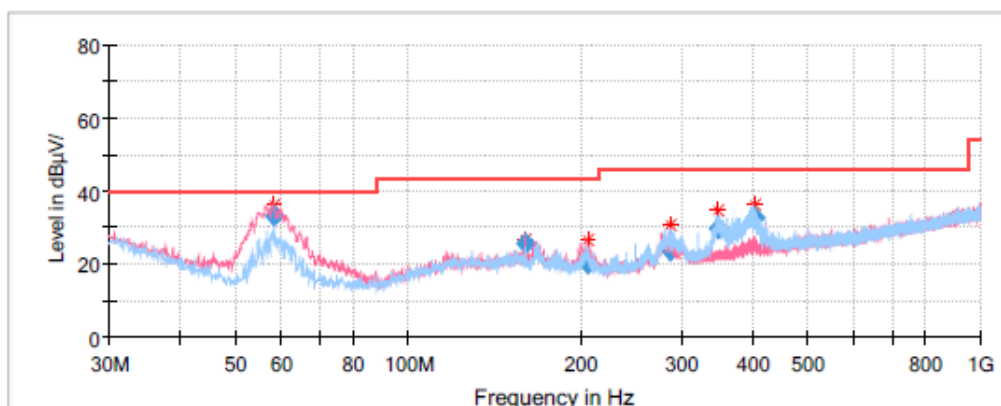


### Final Result

| Frequency (MHz) | QuasiPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 56.646050       | 32.96               | 40.00           | 7.04        | V   | -17.3        |
| 167.168650      | 22.94               | 43.50           | 20.56       | V   | -12.5        |
| 205.050150      | 21.65               | 43.50           | 21.85       | V   | -12.5        |
| 284.463450      | 24.82               | 46.00           | 21.18       | H   | -10.6        |
| 350.011450      | 29.96               | 46.00           | 16.04       | H   | -9.3         |
| 399.445800      | 33.46               | 46.00           | 12.54       | H   | -8.0         |

**High Channel: 5310 MHz****Common Information**

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RSHA240424001                                       |
| EUT Model:           | TENSO-F3                                            |
| Test Mode:           | 5G WIFI                                             |
| Standard:            | FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Temperature:         | 23.8°C                                              |
| Humidity:            | 50%                                                 |
| Barometric Pressure: | 101.2kPa                                            |
| Test Engineer:       | Leah Li                                             |
| Test Date:           | 2024/6/3                                            |

**Final Result**

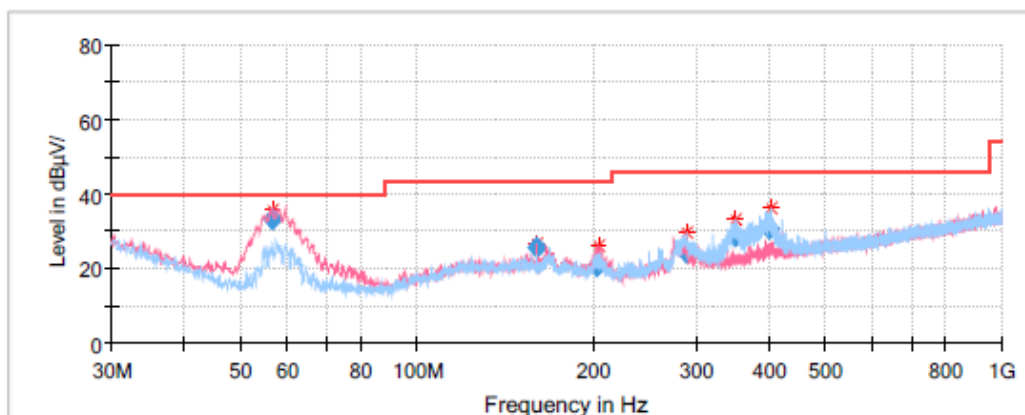
| Frequency (MHz) | QuasiPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 58.273550       | 33.18               | 40.00           | 6.82        | V   | -17.4        |
| 160.005200      | 25.69               | 43.50           | 17.81       | V   | -12.2        |
| 206.185700      | 20.15               | 43.50           | 23.35       | V   | -12.6        |
| 287.973150      | 23.86               | 46.00           | 22.14       | H   | -10.6        |
| 348.622050      | 29.90               | 46.00           | 16.10       | H   | -9.3         |
| 402.173900      | 32.78               | 46.00           | 13.22       | H   | -7.9         |

**30MHz-1GHz(5470-5725MHz Band): (Transmitting in maximum output power mode 802.11ac40 mode)**

**Low Channel: 5510 MHz**

### Common Information

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RSHA240424001                                       |
| EUT Model:           | TENSO-F3                                            |
| Test Mode:           | 5G WIFI                                             |
| Standard:            | FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Temperature:         | 23.8°C                                              |
| Humidity:            | 50%                                                 |
| Barometric Pressure: | 101.2kPa                                            |
| Test Engineer:       | Leah Li                                             |
| Test Date:           | 2024/6/3                                            |



### Final Result

| Frequency (MHz) | QuasiPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 56.461900       | 33.24               | 40.00           | 6.76        | V   | -17.3        |
| 160.010300      | 25.76               | 43.50           | 17.74       | V   | -12.2        |
| 203.121000      | 20.70               | 43.50           | 22.80       | V   | -12.4        |
| 289.227800      | 24.03               | 46.00           | 21.97       | H   | -10.6        |
| 350.713600      | 28.88               | 46.00           | 17.12       | H   | -9.2         |
| 401.360950      | 30.91               | 46.00           | 15.09       | H   | -7.9         |

Middle Channel: 5550 MHz

Common Information

Project No:

EUT Model:

Test Mode:

Standard:

Test Equipment:

Temperature:

Humidity:

Barometric Pressure:

Test Engineer:

Test Date:

RSHA240424001

TENSO-F3

5G WIFI

FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407

ESCI, JB3, 310N

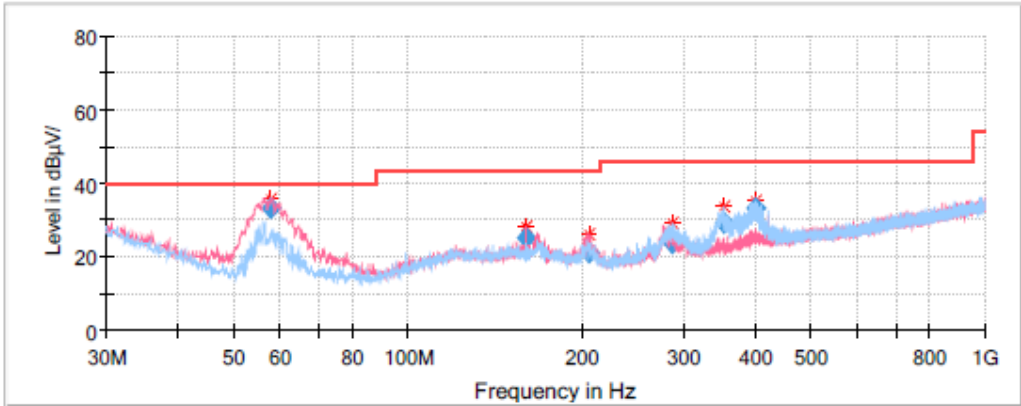
23.8℃

50%

101.2kPa

Leah Li

2024/6/3



Final Result

| Frequency (MHz) | QuasiPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 57.877300       | 33.09               | 40.00           | 6.91        | V   | -17.4        |
| 160.019300      | 25.40               | 43.50           | 18.10       | V   | -12.2        |
| 206.124650      | 20.95               | 43.50           | 22.55       | V   | -12.6        |
| 286.243850      | 23.88               | 46.00           | 22.12       | H   | -10.6        |
| 352.692300      | 29.34               | 46.00           | 16.66       | H   | -9.2         |
| 400.029050      | 33.19               | 46.00           | 12.81       | H   | -8.0         |

High Channel: 5670 MHz

Common Information

Project No:

EUT Model:

Test Mode:

Standard:

Test Equipment:

Temperature:

Humidity:

Barometric Pressure:

Test Engineer:

Test Date:

RSHA240424001

TENSO-F3

5G WIFI

FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407

ESCI, JB3, 310N

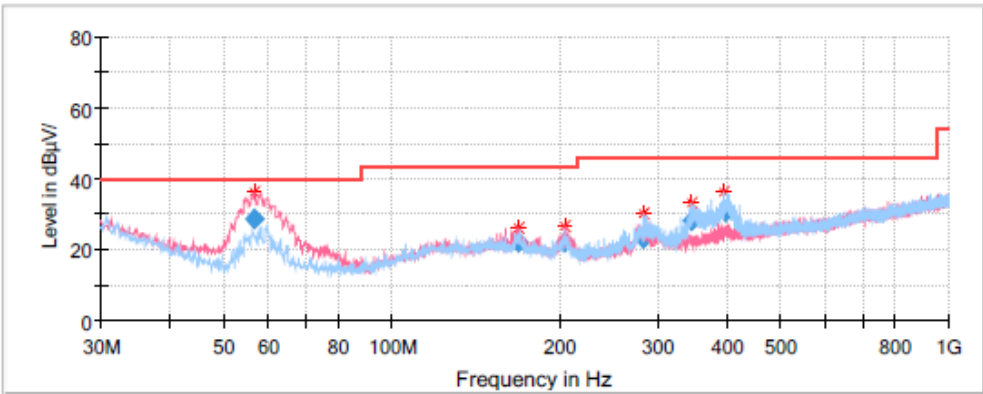
23.8°C

50%

101.2kPa

Leah Li

2024/6/3



Final Result

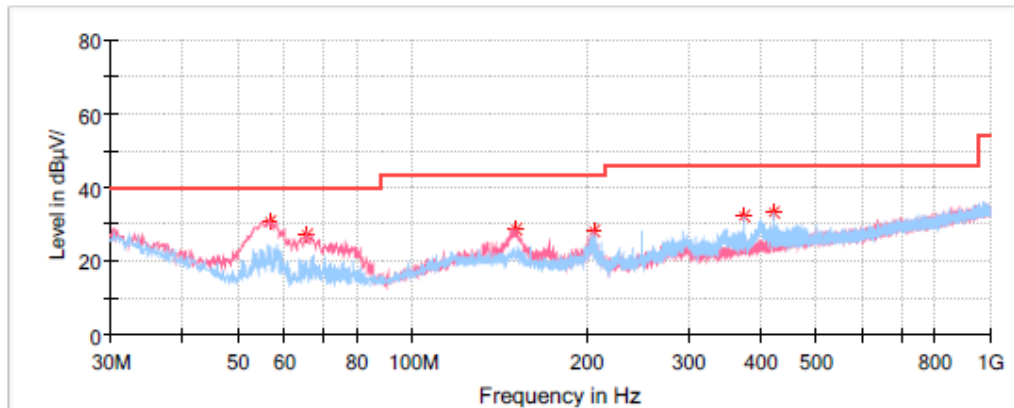
| Frequency (MHz) | QuasiPeak (dBµ V/m) | Limit (dBµ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|---------------------|-----------------|-------------|-----|--------------|
| 56.520450       | 28.71               | 40.00           | 11.29       | V   | -17.3        |
| 168.349900      | 22.25               | 43.50           | 21.25       | V   | -12.5        |
| 204.976500      | 22.29               | 43.50           | 21.21       | V   | -12.5        |
| 283.166100      | 23.07               | 46.00           | 22.93       | H   | -10.6        |
| 345.666800      | 27.95               | 46.00           | 18.05       | H   | -9.4         |
| 396.544300      | 30.90               | 46.00           | 15.10       | H   | -8.1         |

**30MHz-1GHz(5725-5850MHz Band):** (Transmitting in maximum output power mode 802.11ac80 mode)

**Middle Channel: 5775 MHz**

### Common Information

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Project No:          | RSHA240424001                                       |
| EUT Model:           | TENSO-F3                                            |
| Test Mode:           | 5G WIFI                                             |
| Standard:            | FCC Part 15.247 & FCC Part 15.249 & FCC Part 15.407 |
| Test Equipment:      | ESCI, JB3, 310N                                     |
| Temperature:         | 23.4℃                                               |
| Humidity:            | 57%                                                 |
| Barometric Pressure: | 100.5kPa                                            |
| Test Engineer:       | Leah Li                                             |
| Test Date:           | 2024/6/12                                           |



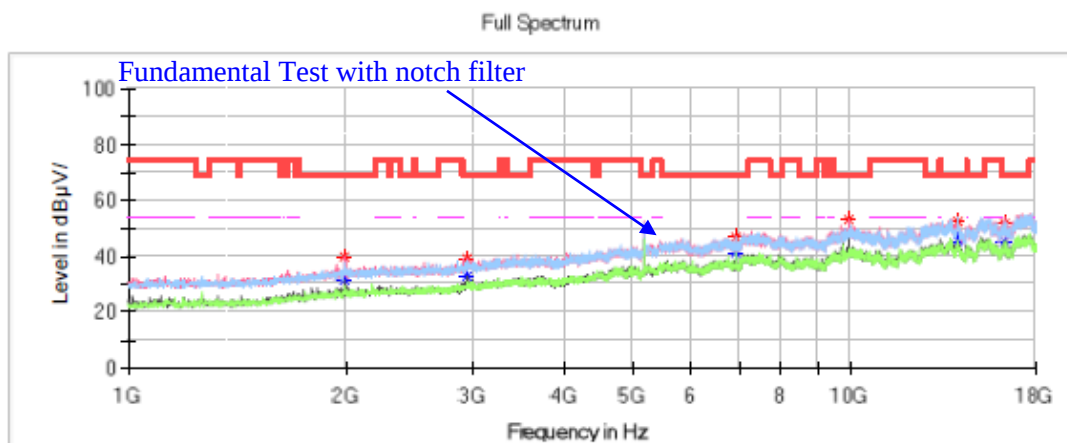
### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμ V/m) | Limit (dBμ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|-------------------|-----------------|-------------|-----|--------------|
| 56.432500       | 30.64             | 40.00           | 9.36        | V   | -17.3        |
| 65.768750       | 27.17             | 40.00           | 12.83       | V   | -17.3        |
| 151.128750      | 28.82             | 43.50           | 14.68       | V   | -11.8        |
| 206.297500      | 28.00             | 43.50           | 15.50       | V   | -12.6        |
| 374.956250      | 32.29             | 46.00           | 13.71       | H   | -8.6         |
| 421.516250      | 33.25             | 46.00           | 12.75       | H   | -7.4         |

**1GHz - 18GHz(5150-5250MHz Band):****802.11a Mode:****Low Channel: 5180MHz**

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu



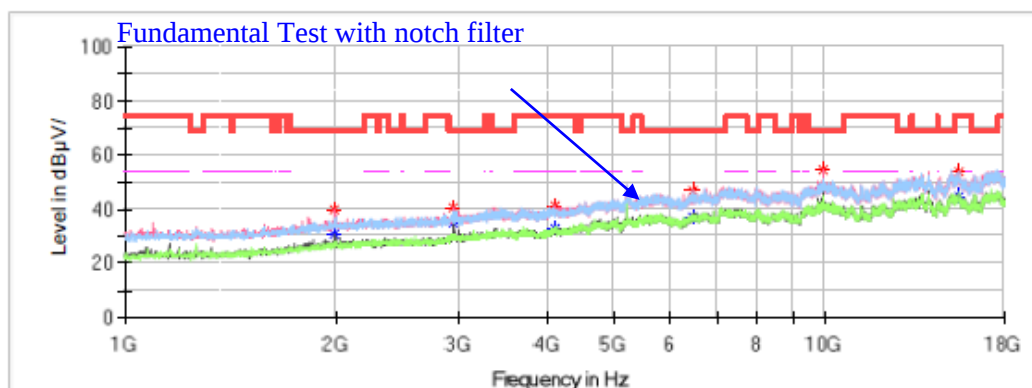
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1994.500000     | 39.66              | ---                | 68.20            | 28.54       | V   | -10.6        |
| 1994.500000     | ---                | 31.49              | ---              | ---         | V   | -10.6        |
| 2949.900000     | ---                | 32.64              | ---              | ---         | V   | -8.2         |
| 2949.900000     | 39.12              | ---                | 68.20            | 29.08       | V   | -8.2         |
| 6905.800000     | ---                | 41.47              | ---              | ---         | H   | 3.2          |
| 6905.800000     | 47.12              | ---                | 68.20            | 21.08       | H   | 3.2          |
| 9908.000000     | 53.22              | ---                | 68.20            | 14.98       | V   | 7.5          |
| 9908.000000     | ---                | 48.00              | ---              | ---         | V   | 7.5          |
| 14001.600000    | ---                | 45.78              | ---              | ---         | H   | 10.5         |
| 14001.600000    | 52.72              | ---                | 68.20            | 15.48       | V   | 10.5         |
| 16301.700000    | ---                | 45.17              | ---              | ---         | V   | 9.7          |
| 16301.700000    | 52.02              | ---                | 68.20            | 16.18       | H   | 9.7          |

**Middle Channel: 5200MHz****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

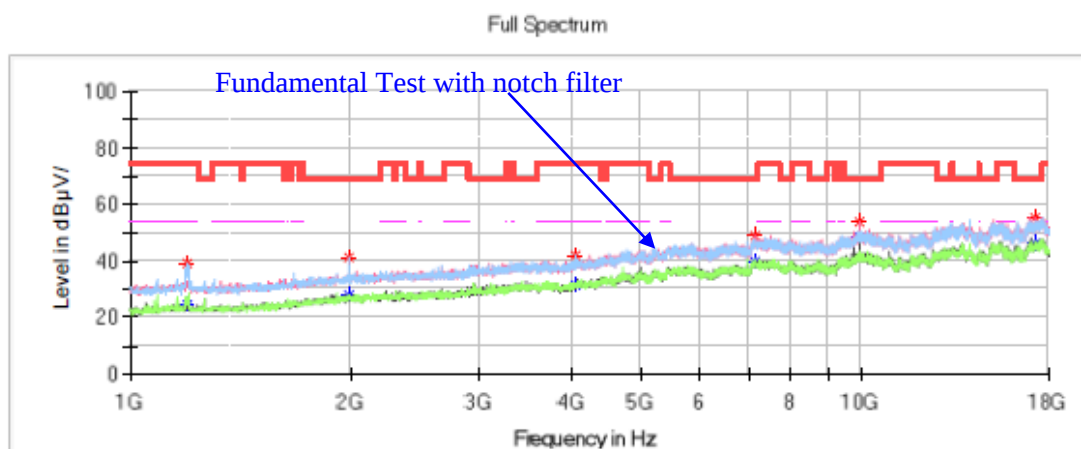
Full Spectrum

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1994.500000     | ---                | 30.88              | ---              | ---         | V   | -10.6        |
| 1994.500000     | 39.65              | ---                | 68.20            | 28.55       | V   | -10.6        |
| 2949.900000     | 40.53              | ---                | 68.20            | 27.67       | V   | -8.2         |
| 2949.900000     | ---                | 34.98              | ---              | ---         | V   | -8.2         |
| 4119.500000     | ---                | 32.72              | 54.00            | 21.28       | H   | -4.8         |
| 4119.500000     | 41.51              | ---                | 74.00            | 32.49       | V   | -4.8         |
| 6465.500000     | ---                | 36.83              | ---              | ---         | H   | 0.8          |
| 6465.500000     | 47.04              | ---                | 68.20            | 21.16       | H   | 0.8          |
| 9908.000000     | ---                | 47.72              | ---              | ---         | V   | 7.5          |
| 9908.000000     | 54.46              | ---                | 68.20            | 13.74       | V   | 7.5          |
| 15485.700000    | ---                | 44.76              | 54.00            | 9.24        | H   | 11.7         |
| 15485.700000    | 53.79              | ---                | 74.00            | 20.21       | H   | 11.7         |

**High Channel: 5240MHz****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1197.200000     | 39.33              | ---                | 74.00            | 34.67       | H   | -14.9        |
| 1197.200000     | ---                | 24.63              | 54.00            | 29.37       | H   | -14.9        |
| 1994.500000     | ---                | 28.09              | ---              | ---         | H   | -10.6        |
| 1994.500000     | 40.93              | ---                | 68.20            | 27.27       | H   | -10.6        |
| 4066.800000     | ---                | 31.45              | 54.00            | 22.55       | H   | -4.9         |
| 4066.800000     | 41.75              | ---                | 74.00            | 32.25       | H   | -4.9         |
| 7131.900000     | ---                | 40.18              | ---              | ---         | H   | 3.9          |
| 7131.900000     | 49.08              | ---                | 68.20            | 19.12       | V   | 3.9          |
| 9908.000000     | ---                | 48.15              | ---              | ---         | V   | 7.5          |
| 9908.000000     | 53.87              | ---                | 68.20            | 14.33       | V   | 7.5          |
| 17238.400000    | ---                | 45.81              | ---              | ---         | V   | 13.0         |
| 17238.400000    | 55.35              | ---                | 68.20            | 12.85       | V   | 13.0         |

**802.11ac20 Mode:**

| Frequency (MHz)                | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|--------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5180MHz</b>    |                  |                  |                |             |     |              |
| 1197.200000                    | ---              | 27.93            | 54.00          | 26.07       | H   | -14.9        |
| 1197.200000                    | 39.06            | ---              | 74.00          | 34.94       | H   | -14.9        |
| 2123.700000                    | 42.38            | ---              | 68.20          | 25.82       | V   | -10.4        |
| 7570.500000                    | ---              | 39.80            | 54.00          | 14.20       | V   | 4.1          |
| 7570.500000                    | 49.04            | ---              | 74.00          | 24.96       | V   | 4.1          |
| 9846.800000                    | 52.99            | ---              | 68.20          | 15.21       | V   | 7.3          |
| 13372.600000                   | ---              | 44.91            | 54.00          | 9.09        | V   | 10.5         |
| 13372.600000                   | 50.50            | ---              | 74.00          | 23.50       | V   | 10.5         |
| 17303.000000                   | 55.07            | ---              | 68.20          | 13.13       | V   | 13.1         |
| <b>Middle Channel: 5200MHz</b> |                  |                  |                |             |     |              |
| 1197.200000                    | ---              | 26.54            | 54.00          | 27.46       | H   | -14.9        |
| 1197.200000                    | 37.41            | ---              | 74.00          | 36.59       | H   | -14.9        |
| 2128.800000                    | 38.79            | ---              | 68.20          | 29.41       | H   | -10.4        |
| 6933.000000                    | 47.35            | ---              | 68.20          | 20.85       | H   | 3.4          |
| 9727.800000                    | 52.75            | ---              | 68.20          | 15.45       | V   | 6.9          |
| 14494.600000                   | ---              | 44.42            | 54.00          | 9.58        | V   | 8.2          |
| 14494.600000                   | 50.10            | ---              | 74.00          | 23.90       | V   | 8.2          |
| 17634.500000                   | 55.80            | ---              | 68.20          | 12.40       | V   | 13.1         |
| <b>High Channel: 5240MHz</b>   |                  |                  |                |             |     |              |
| 1197.200000                    | ---              | 25.45            | 54.00          | 28.55       | H   | -14.9        |
| 1197.200000                    | 38.66            | ---              | 74.00          | 35.34       | H   | -14.9        |
| 1997.900000                    | 38.30            | ---              | 68.20          | 29.90       | H   | -10.6        |
| 3679.200000                    | ---              | 31.33            | 54.00          | 22.67       | H   | -5.7         |
| 3679.200000                    | 41.28            | ---              | 74.00          | 32.72       | H   | -5.7         |
| 9727.800000                    | 54.22            | ---              | 68.20          | 13.98       | V   | 6.9          |
| 13389.600000                   | 50.74            | ---              | 74.00          | 23.26       | H   | 10.6         |
| 13389.600000                   | ---              | 44.44            | 54.00          | 9.56        | H   | 10.6         |
| 17575.000000                   | 55.44            | ---              | 68.20          | 12.76       | V   | 13.3         |

**802.11ac40 Mode:**

| Frequency<br>(MHz)           | MaxPeak<br>(dB $\mu$ V/m) | Average<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|------------------------------|---------------------------|---------------------------|-------------------------|----------------|-----|-----------------|
| <b>Low Channel: 5190MHz</b>  |                           |                           |                         |                |     |                 |
| 1192.100000                  | 38.01                     | ---                       | 74.00                   | 35.99          | H   | -14.9           |
| 1192.100000                  | ---                       | 27.45                     | 54.00                   | 26.55          | H   | -14.9           |
| 1991.100000                  | 37.15                     | ---                       | 68.20                   | 31.05          | V   | -10.6           |
| 3194.700000                  | 39.91                     | ---                       | 68.20                   | 28.29          | H   | -7.3            |
| 9908.000000                  | 51.87                     | ---                       | 68.20                   | 16.33          | V   | 7.5             |
| 14001.600000                 | 52.10                     | ---                       | 68.20                   | 16.10          | V   | 10.5            |
| 17501.900000                 | 55.16                     | ---                       | 68.20                   | 13.04          | V   | 13.6            |
| <b>High Channel: 5230MHz</b> |                           |                           |                         |                |     |                 |
| 1197.200000                  | ---                       | 27.68                     | 54.00                   | 26.32          | H   | -14.9           |
| 1197.200000                  | 38.60                     | ---                       | 74.00                   | 35.40          | H   | -14.9           |
| 1991.100000                  | 36.74                     | ---                       | 68.20                   | 31.46          | V   | -10.6           |
| 3896.800000                  | ---                       | 29.04                     | 54.00                   | 24.96          | V   | -5.3            |
| 3896.800000                  | 39.93                     | ---                       | 74.00                   | 34.07          | V   | -5.3            |
| 6972.100000                  | 48.45                     | ---                       | 68.20                   | 19.75          | H   | 3.6             |
| 9848.500000                  | 54.75                     | ---                       | 68.20                   | 13.45          | V   | 7.3             |
| 17603.900000                 | 56.44                     | ---                       | 68.20                   | 11.76          | H   | 13.2            |

**802.11ac80 Mode:**

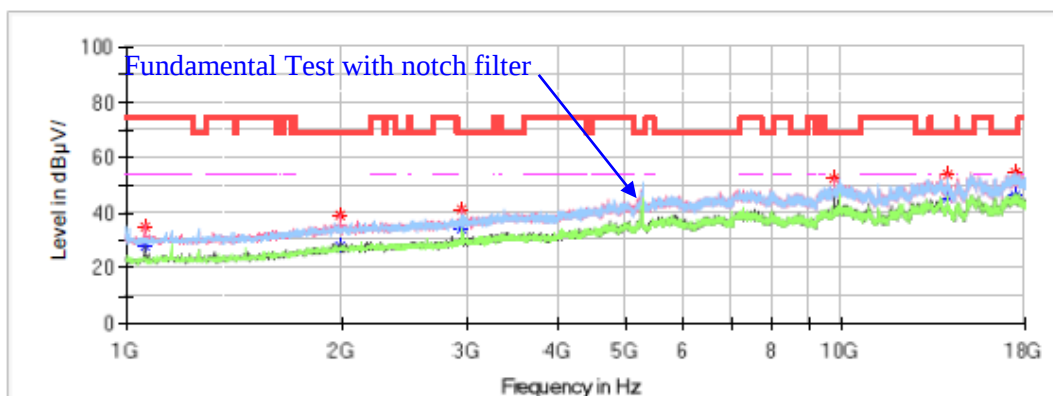
| Frequency<br>(MHz)      | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|-------------------------|---------------------|---------------------|-------------------|----------------|-----|-----------------|
| <b>Channel: 5210MHz</b> |                     |                     |                   |                |     |                 |
| 2122.000000             | 42.18               | ---                 | 68.20             | 26.02          | H   | -10.4           |
| 2949.900000             | 38.18               | ---                 | 68.20             | 30.02          | H   | -8.2            |
| 4177.300000             | ---                 | 32.81               | 54.00             | 21.19          | H   | -4.6            |
| 4177.300000             | 40.81               | ---                 | 74.00             | 33.19          | H   | -4.6            |
| 7545.000000             | ---                 | 42.10               | 54.00             | 11.90          | V   | 4.2             |
| 7545.000000             | 48.18               | ---                 | 74.00             | 25.82          | V   | 4.2             |
| 14016.900000            | 53.05               | ---                 | 68.20             | 15.15          | H   | 10.4            |
| 17794.300000            | ---                 | 44.79               | 54.00             | 9.21           | H   | 12.4            |
| 17794.300000            | 53.81               | ---                 | 74.00             | 20.19          | H   | 12.4            |

**1GHz-18GHz(5250-5350MHz Band):****802.11a Mode:****Low Channel: 5260MHz**

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum



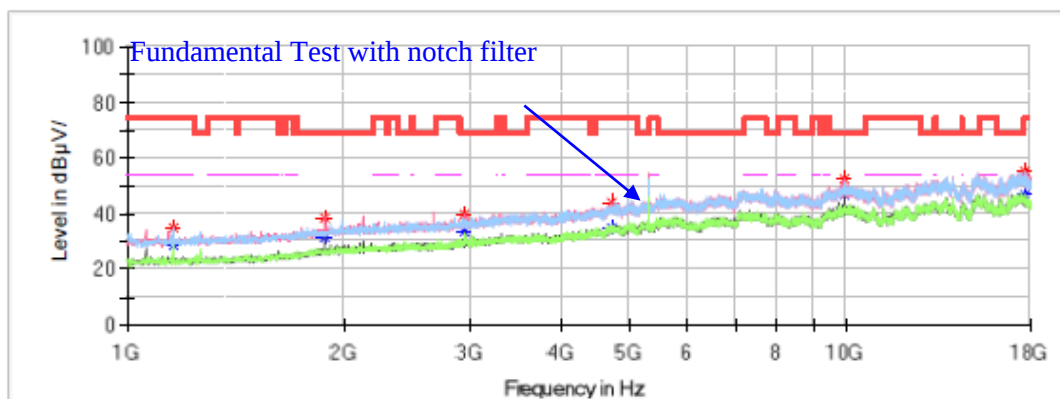
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1061.200000     | ---                | 27.99              | 54.00            | 26.01       | V   | -15.3        |
| 1061.200000     | 34.78              | ---                | 74.00            | 39.22       | V   | -15.3        |
| 1992.800000     | ---                | 28.01              | ---              | ---         | V   | -10.6        |
| 1992.800000     | 39.04              | ---                | 68.20            | 29.16       | V   | -10.6        |
| 2949.900000     | 41.16              | ---                | 68.20            | 27.04       | V   | -8.2         |
| 2949.900000     | ---                | 34.11              | ---              | ---         | V   | -8.2         |
| 9727.800000     | ---                | 47.27              | ---              | ---         | V   | 6.9          |
| 9727.800000     | 52.40              | ---                | 68.20            | 15.80       | V   | 6.9          |
| 14001.600000    | ---                | 45.22              | ---              | ---         | V   | 10.5         |
| 14001.600000    | 53.85              | ---                | 68.20            | 14.35       | V   | 10.5         |
| 17396.500000    | ---                | 45.82              | ---              | ---         | H   | 13.4         |
| 17396.500000    | 54.32              | ---                | 68.20            | 13.88       | H   | 13.4         |

**Middle Channel: 5280MHz****Common Information**

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Hugh Wu

Full Spectrum

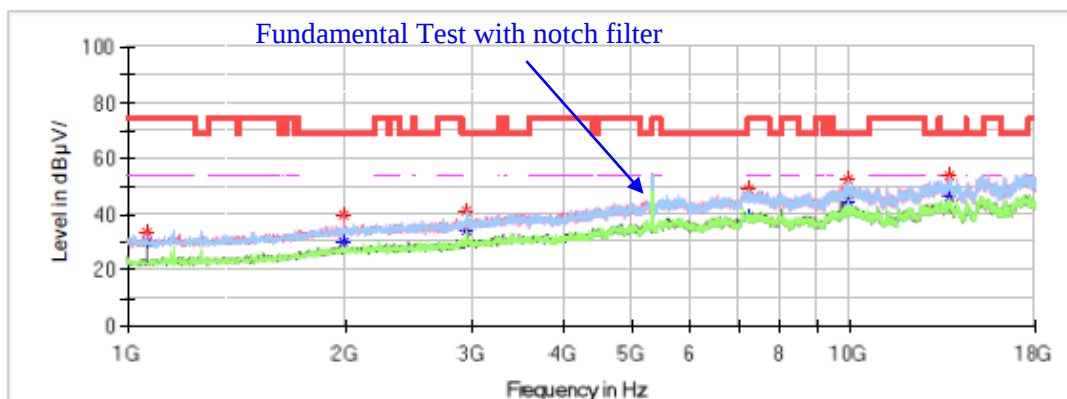
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 1158.100000     | ---                    | 28.56                  | 54.00                | 25.44       | H   | -15.0        |
| 1158.100000     | 34.80                  | ---                    | 74.00                | 39.20       | H   | -15.0        |
| 1884.000000     | 38.44                  | ---                    | 68.20                | 29.76       | V   | -11.3        |
| 1884.000000     | ---                    | 31.14                  | ---                  | ---         | V   | -11.3        |
| 2949.900000     | 39.86                  | ---                    | 68.20                | 28.34       | V   | -8.2         |
| 2949.900000     | ---                    | 33.83                  | ---                  | ---         | V   | -8.2         |
| 4714.500000     | ---                    | 34.89                  | 54.00                | 19.11       | H   | -2.7         |
| 4714.500000     | 44.34                  | ---                    | 74.00                | 29.66       | H   | -2.7         |
| 9908.000000     | 52.79                  | ---                    | 68.20                | 15.41       | V   | 7.5          |
| 9908.000000     | ---                    | 47.09                  | ---                  | ---         | V   | 7.5          |
| 17636.200000    | ---                    | 46.57                  | ---                  | ---         | H   | 13.1         |
| 17636.200000    | 55.03                  | ---                    | 68.20                | 13.17       | H   | 13.1         |

**High Channel: 5320MHz****Common Information**

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Hugh Wu

Full Spectrum

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 1064.600000     | ---                    | 29.72                  | 54.00                | 24.28       | V   | -15.3        |
| 1064.600000     | 33.89                  | ---                    | 74.00                | 40.11       | V   | -15.3        |
| 1992.800000     | ---                    | 29.94                  | ---                  | ---         | V   | -10.6        |
| 1992.800000     | 39.95                  | ---                    | 68.20                | 28.25       | V   | -10.6        |
| 2949.900000     | 41.05                  | ---                    | 68.20                | 27.15       | V   | -8.2         |
| 2949.900000     | ---                    | 34.55                  | ---                  | ---         | V   | -8.2         |
| 7216.900000     | ---                    | 39.40                  | ---                  | ---         | H   | 4.0          |
| 7216.900000     | 49.04                  | ---                    | 68.20                | 19.16       | H   | 4.0          |
| 9908.000000     | 52.51                  | ---                    | 68.20                | 15.69       | H   | 7.5          |
| 9908.000000     | ---                    | 44.79                  | ---                  | ---         | H   | 7.5          |
| 13678.600000    | ---                    | 45.95                  | ---                  | ---         | V   | 10.8         |
| 13678.600000    | 54.00                  | ---                    | 68.20                | 14.20       | V   | 10.8         |

**802.11ac20 Mode:**

| Frequency (MHz)                | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|--------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5260MHz</b>    |                  |                  |                |             |     |              |
| 1158.100000                    | ---              | 27.70            | 54.00          | 26.30       | H   | -15.0        |
| 1158.100000                    | 34.98            | ---              | 74.00          | 39.02       | H   | -15.0        |
| 2655.800000                    | ---              | 31.15            | ---            | ---         | V   | -9.2         |
| 2655.800000                    | 38.51            | ---              | 68.20          | 29.69       | V   | -9.2         |
| 4114.400000                    | ---              | 32.13            | 54.00          | 21.87       | V   | -4.8         |
| 4114.400000                    | 42.61            | ---              | 74.00          | 31.39       | V   | -4.8         |
| 7500.800000                    | ---              | 39.74            | 54.00          | 14.26       | H   | 4.2          |
| 7500.800000                    | 48.54            | ---              | 74.00          | 25.46       | H   | 4.2          |
| 9908.000000                    | ---              | 45.30            | ---            | ---         | H   | 7.5          |
| 9908.000000                    | 52.22            | ---              | 68.20          | 15.98       | H   | 7.5          |
| 15543.500000                   | ---              | 45.45            | 54.00          | 8.55        | H   | 11.5         |
| 15543.500000                   | 53.63            | ---              | 74.00          | 20.37       | H   | 11.5         |
| <b>Middle Channel: 5280MHz</b> |                  |                  |                |             |     |              |
| 1328.100000                    | ---              | 28.78            | 54.00          | 25.22       | V   | -14.5        |
| 1328.100000                    | 34.06            | ---              | 74.00          | 39.94       | V   | -14.5        |
| 1996.200000                    | ---              | 27.50            | ---            | ---         | H   | -10.6        |
| 1996.200000                    | 39.10            | ---              | 68.20          | 29.10       | H   | -10.6        |
| 2949.900000                    | 40.41            | ---              | 68.20          | 27.79       | V   | -8.2         |
| 2949.900000                    | ---              | 33.47            | ---            | ---         | V   | -8.2         |
| 7193.100000                    | ---              | 39.21            | ---            | ---         | H   | 3.9          |
| 7193.100000                    | 48.94            | ---              | 68.20          | 19.26       | H   | 3.9          |
| 9908.000000                    | ---              | 48.66            | ---            | ---         | V   | 7.5          |
| 9908.000000                    | 54.03            | ---              | 68.20          | 14.17       | V   | 7.5          |
| 16335.700000                   | ---              | 44.21            | ---            | ---         | H   | 9.8          |
| 16335.700000                   | 54.03            | ---              | 68.20          | 14.17       | H   | 9.8          |
| <b>High Channel: 5320MHz</b>   |                  |                  |                |             |     |              |
| 1158.100000                    | ---              | 26.97            | 54.00          | 27.03       | H   | -15.0        |
| 1158.100000                    | 34.44            | ---              | 74.00          | 39.56       | H   | -15.0        |
| 2132.200000                    | ---              | 30.23            | ---            | ---         | V   | -10.4        |
| 2132.200000                    | 43.18            | ---              | 68.20          | 25.02       | V   | -10.4        |
| 2949.900000                    | ---              | 33.03            | ---            | ---         | V   | -8.2         |
| 2949.900000                    | 40.60            | ---              | 68.20          | 27.60       | V   | -8.2         |
| 7092.800000                    | 48.19            | ---              | 68.20          | 20.01       | H   | 3.9          |
| 7092.800000                    | ---              | 42.66            | ---            | ---         | H   | 3.9          |
| 9908.000000                    | ---              | 47.45            | ---            | ---         | V   | 7.5          |
| 9908.000000                    | 53.86            | ---              | 68.20          | 14.34       | V   | 7.5          |
| 15217.100000                   | ---              | 45.83            | ---            | ---         | H   | 10.8         |
| 15217.100000                   | 55.73            | ---              | 68.20          | 12.47       | H   | 10.8         |

**802.11ac40 Mode:**

| Frequency (MHz)              | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5270MHz</b>  |                  |                  |                |             |     |              |
| 1158.100000                  | ---              | 28.59            | 54.00          | 25.41       | H   | -15.0        |
| 1158.100000                  | 33.50            | ---              | 74.00          | 40.50       | H   | -15.0        |
| 1926.500000                  | ---              | 27.61            | ---            | ---         | H   | -11.1        |
| 1926.500000                  | 35.84            | ---              | 68.20          | 32.36       | H   | -11.1        |
| 2949.900000                  | ---              | 34.09            | ---            | ---         | H   | -8.2         |
| 2949.900000                  | 41.19            | ---              | 68.20          | 27.01       | H   | -8.2         |
| 5746.400000                  | ---              | 38.24            | ---            | ---         | H   | 0.5          |
| 5746.400000                  | 52.08            | ---              | 68.20          | 16.12       | H   | 0.5          |
| 9659.800000                  | ---              | 49.95            | ---            | ---         | V   | 6.7          |
| 9659.800000                  | 54.96            | ---              | 68.20          | 13.24       | V   | 6.7          |
| 15521.400000                 | ---              | 45.68            | 54.00          | 8.32        | V   | 11.6         |
| 15521.400000                 | 53.75            | ---              | 74.00          | 20.25       | V   | 11.6         |
| <b>High Channel: 5310MHz</b> |                  |                  |                |             |     |              |
| 1263.500000                  | ---              | 27.47            | ---            | ---         | H   | -14.7        |
| 1263.500000                  | 34.88            | ---              | 68.20          | 33.32       | H   | -14.7        |
| 1994.500000                  | ---              | 28.14            | ---            | ---         | V   | -10.6        |
| 1994.500000                  | 40.82            | ---              | 68.20          | 27.38       | V   | -10.6        |
| 3063.800000                  | ---              | 32.64            | ---            | ---         | H   | -7.8         |
| 3063.800000                  | 39.96            | ---              | 68.20          | 28.24       | H   | -7.8         |
| 7079.200000                  | 47.99            | ---              | 68.20          | 20.21       | H   | 3.9          |
| 7079.200000                  | ---              | 42.95            | ---            | ---         | H   | 3.9          |
| 9668.300000                  | ---              | 44.89            | ---            | ---         | V   | 6.8          |
| 9668.300000                  | 52.14            | ---              | 68.20          | 16.06       | V   | 6.8          |
| 15181.400000                 | ---              | 45.24            | ---            | ---         | V   | 10.7         |
| 15181.400000                 | 53.96            | ---              | 68.20          | 14.24       | V   | 10.7         |

**802.11ac80 Mode:**

| Frequency<br>(MHz)      | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|-------------------------|---------------------|---------------------|-------------------|----------------|-----|-----------------|
| <b>Channel: 5290MHz</b> |                     |                     |                   |                |     |                 |
| 1331.500000             | 35.95               | ---                 | 74.00             | 38.05          | V   | -14.5           |
| 1331.500000             | ---                 | 30.59               | 54.00             | 23.41          | V   | -14.5           |
| 1992.800000             | 40.33               | ---                 | 68.20             | 27.87          | V   | -10.6           |
| 1992.800000             | ---                 | 29.90               | ---               | ---            | V   | -10.6           |
| 2949.900000             | 40.38               | ---                 | 68.20             | 27.82          | V   | -8.2            |
| 2949.900000             | ---                 | 34.24               | ---               | ---            | V   | -8.2            |
| 4624.400000             | ---                 | 33.59               | 54.00             | 20.41          | H   | -3.2            |
| 4624.400000             | 43.16               | ---                 | 74.00             | 30.84          | H   | -3.2            |
| 9848.500000             | 52.42               | ---                 | 68.20             | 15.78          | H   | 7.3             |
| 9848.500000             | ---                 | 43.91               | ---               | ---            | H   | 7.3             |
| 17394.800000            | ---                 | 46.44               | ---               | ---            | V   | 13.4            |
| 17394.800000            | 56.76               | ---                 | 68.20             | 11.44          | V   | 13.4            |

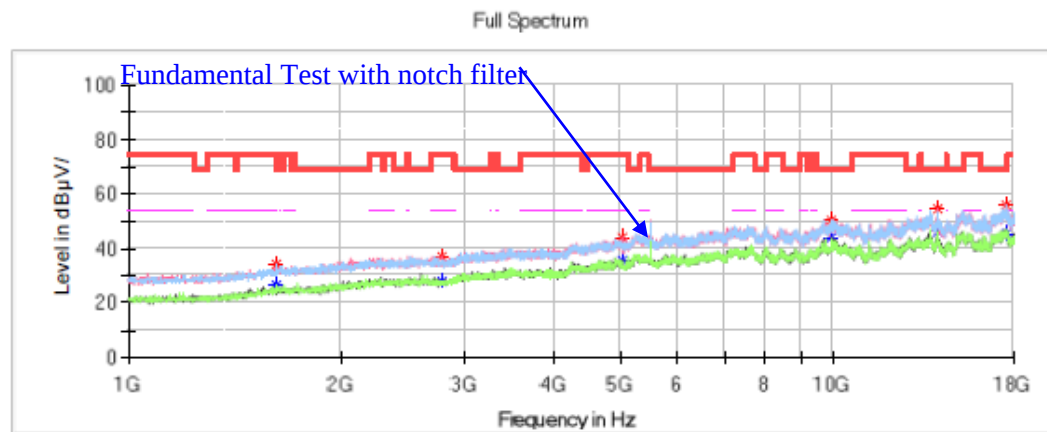
1GHz-18GHz(5470-5725MHz Band):

802.11a Mode:

Low Channel: 5500MHz

### Common Information

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Hugh Wu

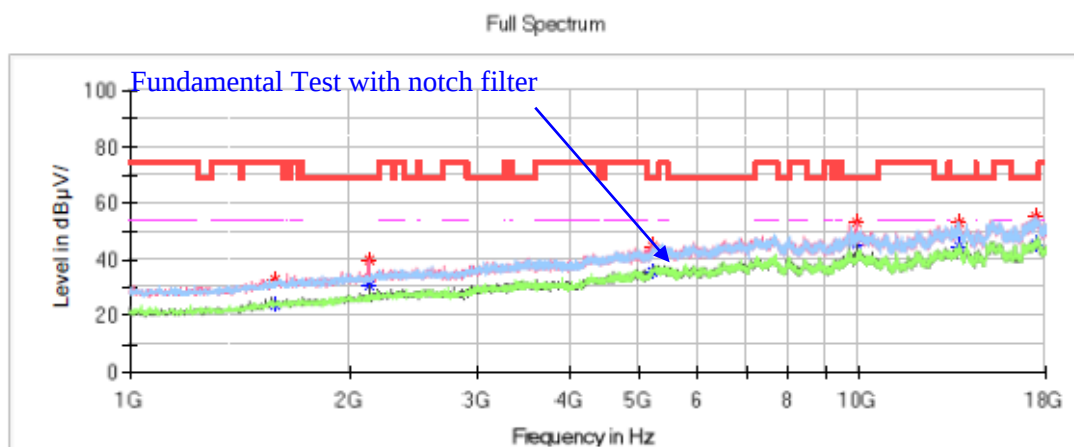


### Critical Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1623.900000     | ---                | 26.38              | 54.00            | 27.62       | H   | -13.1        |
| 1623.900000     | 34.34              | ---                | 74.00            | 39.66       | H   | -13.1        |
| 2778.200000     | ---                | 27.89              | 54.00            | 26.11       | V   | -8.8         |
| 2778.200000     | 37.33              | ---                | 74.00            | 36.67       | V   | -8.8         |
| 5006.900000     | ---                | 35.84              | 54.00            | 18.16       | V   | -1.2         |
| 5006.900000     | 43.73              | ---                | 74.00            | 30.27       | V   | -1.2         |
| 9908.000000     | ---                | 44.18              | ---              | ---         | V   | 7.5          |
| 9908.000000     | 50.43              | ---                | 68.20            | 17.77       | V   | 7.5          |
| 14005.000000    | ---                | 46.09              | ---              | ---         | V   | 10.5         |
| 14005.000000    | 54.46              | ---                | 68.20            | 13.74       | V   | 10.5         |
| 17595.400000    | ---                | 45.61              | ---              | ---         | H   | 13.2         |
| 17595.400000    | 56.03              | ---                | 68.20            | 12.17       | H   | 13.2         |

**Middle Channel: 5580MHz****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

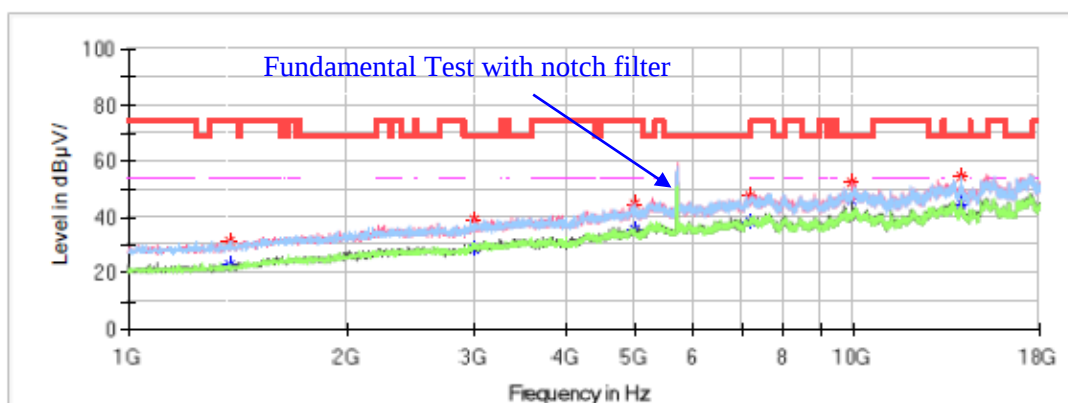
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 1581.400000     | ---                    | 23.75                  | 54.00                | 30.25       | V   | -13.4        |
| 1581.400000     | 33.20                  | ---                    | 74.00                | 40.80       | V   | -13.4        |
| 2132.200000     | 39.76                  | ---                    | 68.20                | 28.44       | V   | -10.4        |
| 2132.200000     | ---                    | 30.74                  | ---                  | ---         | V   | -10.4        |
| 5212.600000     | ---                    | 35.68                  | ---                  | ---         | H   | -0.3         |
| 5212.600000     | 44.80                  | ---                    | 68.20                | 23.40       | H   | -0.3         |
| 9908.000000     | 52.97                  | ---                    | 68.20                | 15.23       | V   | 7.5          |
| 9908.000000     | ---                    | 45.51                  | ---                  | ---         | V   | 7.5          |
| 13682.000000    | ---                    | 44.52                  | ---                  | ---         | H   | 10.8         |
| 13682.000000    | 53.42                  | ---                    | 68.20                | 14.78       | H   | 10.8         |
| 17467.900000    | ---                    | 45.59                  | ---                  | ---         | V   | 13.5         |
| 17467.900000    | 54.99                  | ---                    | 68.20                | 13.21       | V   | 13.5         |

**High Channel: 5700MHz****Common Information**

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Hugh Wu

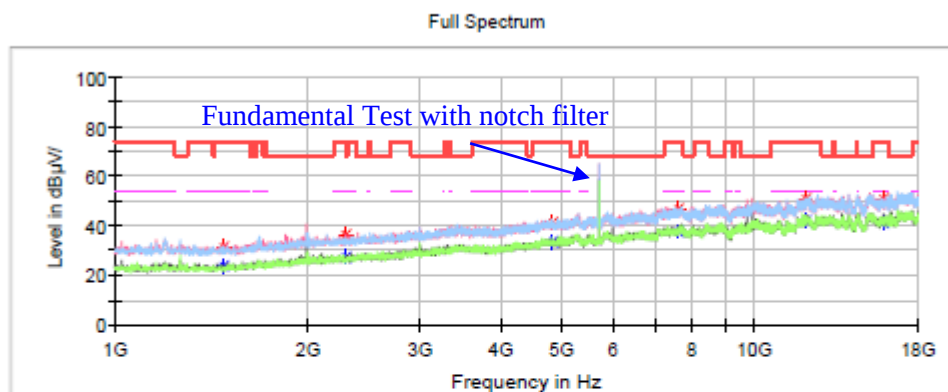
Full Spectrum

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 1377.400000     | ---                    | 22.75                  | 54.00                | 31.25       | H   | -14.3        |
| 1377.400000     | 31.44                  | ---                    | 74.00                | 42.56       | H   | -14.3        |
| 3004.300000     | ---                    | 28.90                  | ---                  | ---         | V   | -8.0         |
| 3004.300000     | 38.84                  | ---                    | 68.20                | 29.36       | V   | -8.0         |
| 4978.000000     | ---                    | 35.52                  | 54.00                | 18.48       | V   | -1.3         |
| 4978.000000     | 44.58                  | ---                    | 74.00                | 29.42       | V   | -1.3         |
| 7177.800000     | ---                    | 38.44                  | ---                  | ---         | H   | 3.9          |
| 7177.800000     | 47.74                  | ---                    | 68.20                | 20.46       | H   | 3.9          |
| 9908.000000     | ---                    | 46.35                  | ---                  | ---         | V   | 7.5          |
| 9908.000000     | 52.15                  | ---                    | 68.20                | 16.05       | V   | 7.5          |
| 14008.400000    | ---                    | 45.10                  | ---                  | ---         | V   | 10.5         |
| 14008.400000    | 54.76                  | ---                    | 68.20                | 13.44       | V   | 10.5         |

**Cross Channel: 5720MHz****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µV/m) | Average (dB µV/m) | Limit (dB µV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|-------------------|-------------------|-----------------|-------------|-----|--------------|
| 1479.400000     | ---               | 23.55             | 54.00           | 30.45       | V   | -14.8        |
| 1479.400000     | 31.18             | ---               | 74.00           | 42.82       | V   | -14.8        |
| 2298.800000     | ---               | 27.61             | 54.00           | 26.39       | V   | -10.8        |
| 2298.800000     | 36.66             | ---               | 74.00           | 37.34       | V   | -10.8        |
| 4818.200000     | ---               | 33.27             | 54.00           | 20.73       | H   | -3.1         |
| 4818.200000     | 41.44             | ---               | 74.00           | 32.56       | H   | -3.1         |
| 7611.300000     | ---               | 37.76             | 54.00           | 16.24       | V   | 3.9          |
| 7611.300000     | 46.90             | ---               | 74.00           | 27.10       | V   | 3.9          |
| 12033.000000    | ---               | 42.12             | 54.00           | 11.88       | V   | 9.0          |
| 12033.000000    | 51.23             | ---               | 74.00           | 22.77       | V   | 9.0          |
| 15880.100000    | ---               | 41.19             | 54.00           | 12.81       | H   | 9.5          |
| 15880.100000    | 51.05             | ---               | 74.00           | 22.95       | H   | 9.5          |

**802.11ac20 Mode:**

| Frequency (MHz)                | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|--------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5500MHz</b>    |                  |                  |                |             |     |              |
| 1197.200000                    | ---              | 24.89            | 54.00          | 29.11       | H   | -14.9        |
| 1197.200000                    | 30.60            | ---              | 74.00          | 43.40       | H   | -14.9        |
| 2130.500000                    | 36.67            | ---              | 68.20          | 31.53       | V   | -10.4        |
| 2130.500000                    | ---              | 29.60            | ---            | ---         | V   | -10.4        |
| 2949.900000                    | ---              | 31.14            | ---            | ---         | V   | -8.2         |
| 2949.900000                    | 38.38            | ---              | 68.20          | 29.82       | V   | -8.2         |
| 4252.100000                    | ---              | 33.53            | 54.00          | 20.47       | H   | -4.4         |
| 4252.100000                    | 42.46            | ---              | 74.00          | 31.54       | H   | -4.4         |
| 9848.500000                    | ---              | 43.88            | ---            | ---         | V   | 7.3          |
| 9848.500000                    | 52.17            | ---              | 68.20          | 16.03       | V   | 7.3          |
| 17464.500000                   | ---              | 47.53            | ---            | ---         | V   | 13.5         |
| 17464.500000                   | 57.01            | ---              | 68.20          | 11.19       | V   | 13.5         |
| <b>Middle Channel: 5580MHz</b> |                  |                  |                |             |     |              |
| 1141.100000                    | ---              | 22.85            | 54.00          | 31.15       | H   | -15.1        |
| 1141.100000                    | 29.67            | ---              | 74.00          | 44.33       | H   | -15.1        |
| 1761.600000                    | ---              | 24.68            | ---            | ---         | V   | -12.2        |
| 1761.600000                    | 34.84            | ---              | 68.20          | 33.36       | V   | -12.2        |
| 3162.400000                    | ---              | 29.60            | ---            | ---         | H   | -7.4         |
| 3162.400000                    | 40.26            | ---              | 68.20          | 27.94       | H   | -7.4         |
| 4648.200000                    | ---              | 33.82            | 54.00          | 20.18       | V   | -3.0         |
| 4648.200000                    | 43.05            | ---              | 74.00          | 30.95       | V   | -3.0         |
| 9908.000000                    | 51.62            | ---              | 68.20          | 16.58       | V   | 7.5          |
| 9908.000000                    | ---              | 45.47            | ---            | ---         | V   | 7.5          |
| 14016.900000                   | ---              | 44.81            | ---            | ---         | H   | 10.4         |
| 14016.900000                   | 55.69            | ---              | 68.20          | 12.51       | H   | 10.4         |
| <b>High Channel: 5700MHz</b>   |                  |                  |                |             |     |              |
| 1402.900000                    | ---              | 23.09            | 54.00          | 30.91       | H   | -14.2        |
| 1402.900000                    | 33.14            | ---              | 74.00          | 40.86       | H   | -14.2        |
| 2572.500000                    | ---              | 27.37            | ---            | ---         | H   | -9.5         |
| 2572.500000                    | 36.86            | ---              | 68.20          | 31.34       | H   | -9.5         |
| 4911.700000                    | ---              | 35.39            | 54.00          | 18.61       | V   | -1.7         |
| 4911.700000                    | 44.21            | ---              | 74.00          | 29.79       | V   | -1.7         |
| 7640.200000                    | ---              | 40.10            | 54.00          | 13.90       | H   | 4.1          |
| 7640.200000                    | 49.24            | ---              | 74.00          | 24.76       | H   | 4.1          |
| 11206.800000                   | ---              | 42.00            | 54.00          | 12.00       | V   | 6.7          |
| 11206.800000                   | 49.64            | ---              | 74.00          | 24.36       | V   | 6.7          |
| 15189.900000                   | ---              | 45.87            | ---            | ---         | V   | 10.8         |
| 15189.900000                   | 55.88            | ---              | 68.20          | 12.32       | V   | 10.8         |
| <b>Cross Channel: 5720MHz</b>  |                  |                  |                |             |     |              |
| 1486.200000                    | ---              | 23.05            | 54.00          | 30.95       | V   | -14.8        |
| 1486.200000                    | 32.72            | ---              | 74.00          | 41.28       | V   | -14.8        |
| 2846.200000                    | ---              | 28.53            | 54.00          | 25.47       | V   | -9.0         |
| 2846.200000                    | 36.95            | ---              | 74.00          | 37.05       | V   | -9.0         |
| 4663.500000                    | ---              | 33.15            | 54.00          | 20.85       | H   | -3.7         |
| 4663.500000                    | 42.75            | ---              | 74.00          | 31.25       | H   | -3.7         |
| 8386.500000                    | ---              | 39.79            | 54.00          | 14.21       | H   | 5.1          |
| 8386.500000                    | 48.17            | ---              | 74.00          | 25.83       | V   | 5.1          |
| 12575.300000                   | ---              | 44.80            | 54.00          | 9.20        | V   | 9.7          |
| 12575.300000                   | 51.06            | ---              | 74.00          | 22.94       | V   | 9.7          |
| 15902.200000                   | ---              | 43.24            | 54.00          | 10.76       | V   | 9.5          |
| 15902.200000                   | 51.52            | ---              | 74.00          | 22.48       | V   | 9.5          |
| 1486.200000                    | ---              | 23.05            | 54.00          | 30.95       | V   | -14.8        |

**802.11ac40 Mode:**

| Frequency (MHz)                | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|--------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5510MHz</b>    |                  |                  |                |             |     |              |
| 1338.300000                    | ---              | 23.11            | 54.00          | 30.89       | V   | -14.4        |
| 1338.300000                    | 31.31            | ---              | 74.00          | 42.69       | V   | -14.4        |
| 2127.100000                    | ---              | 32.23            | ---            | ---         | V   | -10.4        |
| 2127.100000                    | 44.17            | ---              | 68.20          | 24.03       | V   | -10.4        |
| 4340.500000                    | ---              | 33.82            | 54.00          | 20.18       | V   | -4.2         |
| 4340.500000                    | 43.07            | ---              | 74.00          | 30.93       | V   | -4.2         |
| 6732.400000                    | ---              | 37.12            | ---            | ---         | V   | 2.2          |
| 6732.400000                    | 47.48            | ---              | 68.20          | 20.72       | V   | 2.2          |
| 9727.800000                    | ---              | 46.21            | ---            | ---         | V   | 6.9          |
| 9727.800000                    | 53.01            | ---              | 68.20          | 15.19       | V   | 6.9          |
| 15645.500000                   | ---              | 45.34            | 54.00          | 8.66        | H   | 10.9         |
| 15645.500000                   | 54.82            | ---              | 74.00          | 19.18       | H   | 10.9         |
| <b>Middle Channel: 5550MHz</b> |                  |                  |                |             |     |              |
| 1163.200000                    | ---              | 21.65            | 54.00          | 32.35       | V   | -15.0        |
| 1163.200000                    | 31.09            | ---              | 74.00          | 42.91       | V   | -15.0        |
| 2123.700000                    | ---              | 31.81            | ---            | ---         | V   | -10.4        |
| 2123.700000                    | 39.45            | ---              | 68.20          | 28.75       | V   | -10.4        |
| 3276.300000                    | ---              | 31.09            | ---            | ---         | V   | -7.0         |
| 3276.300000                    | 40.12            | ---              | 68.20          | 28.08       | V   | -7.0         |
| 7279.800000                    | ---              | 39.87            | 54.00          | 14.13       | H   | 4.0          |
| 7279.800000                    | 48.09            | ---              | 74.00          | 25.91       | H   | 4.0          |
| 9908.000000                    | ---              | 45.43            | ---            | ---         | V   | 7.5          |
| 9908.000000                    | 51.69            | ---              | 68.20          | 16.51       | V   | 7.5          |
| 15643.800000                   | ---              | 44.84            | 54.00          | 9.16        | V   | 10.9         |
| 15643.800000                   | 53.85            | ---              | 74.00          | 20.15       | V   | 10.9         |
| <b>High channel: 5670MHz</b>   |                  |                  |                |             |     |              |
| 1130.900000                    | ---              | 22.74            | 54.00          | 31.26       | H   | -15.3        |
| 1130.900000                    | 31.50            | ---              | 74.00          | 42.50       | H   | -15.3        |
| 2346.400000                    | ---              | 27.95            | 54.00          | 26.05       | V   | -10.6        |
| 2346.400000                    | 35.62            | ---              | 74.00          | 38.38       | V   | -10.6        |
| 4612.500000                    | ---              | 33.98            | 54.00          | 20.02       | V   | -3.9         |
| 4612.500000                    | 41.37            | ---              | 74.00          | 32.63       | V   | -3.9         |
| 8092.400000                    | ---              | 37.84            | 54.00          | 16.16       | V   | 4.2          |
| 8092.400000                    | 48.00            | ---              | 74.00          | 26.00       | V   | 4.2          |
| 12150.300000                   | ---              | 43.71            | 54.00          | 10.29       | V   | 9.2          |
| 12150.300000                   | 52.55            | ---              | 74.00          | 21.45       | V   | 9.2          |
| 15524.800000                   | ---              | 42.43            | 54.00          | 11.57       | V   | 9.8          |
| 15524.800000                   | 51.55            | ---              | 74.00          | 22.45       | V   | 9.8          |
| <b>Cross channel: 5710MHz</b>  |                  |                  |                |             |     |              |
| 1198.900000                    | ---              | 26.69            | 54.00          | 27.31       | H   | -15.2        |
| 1198.900000                    | 36.59            | ---              | 74.00          | 37.41       | H   | -15.2        |
| 2298.800000                    | 33.75            | ---              | 74.00          | 40.25       | V   | -10.8        |
| 2298.800000                    | ---              | 27.94            | 54.00          | 26.06       | V   | -10.8        |
| 4080.400000                    | ---              | 30.84            | 54.00          | 23.16       | H   | -5.6         |
| 4080.400000                    | 40.07            | ---              | 74.00          | 33.93       | H   | -5.6         |
| 7687.800000                    | ---              | 39.64            | 54.00          | 14.36       | V   | 3.9          |
| 7687.800000                    | 48.26            | ---              | 74.00          | 25.74       | V   | 3.9          |
| 11609.700000                   | ---              | 39.61            | 54.00          | 14.39       | V   | 8.9          |
| 11609.700000                   | 50.64            | ---              | 74.00          | 23.36       | V   | 8.9          |
| 15892.000000                   | ---              | 44.28            | 54.00          | 9.72        | V   | 9.5          |
| 15892.000000                   | 52.96            | ---              | 74.00          | 21.04       | V   | 9.5          |

**802.11ac80 Mode:**

| Frequency (MHz)                | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|--------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5530MHz</b>    |                  |                  |                |             |     |              |
| 1190.400000                    | ---              | 23.03            | 54.00          | 30.97       | V   | -15.2        |
| 1190.400000                    | 33.99            | ---              | 74.00          | 40.01       | V   | -15.2        |
| 2322.600000                    | ---              | 26.84            | 54.00          | 27.16       | V   | -10.7        |
| 2322.600000                    | 35.42            | ---              | 74.00          | 38.58       | V   | -10.7        |
| 4337.100000                    | ---              | 33.04            | 54.00          | 20.96       | V   | -4.8         |
| 4337.100000                    | 43.55            | ---              | 74.00          | 30.45       | V   | -4.8         |
| 7545.000000                    | ---              | 38.26            | 54.00          | 15.74       | H   | 3.9          |
| 7545.000000                    | 45.28            | ---              | 74.00          | 28.72       | H   | 3.9          |
| 12214.900000                   | ---              | 41.24            | 54.00          | 12.76       | H   | 9.3          |
| 12214.900000                   | 50.52            | ---              | 74.00          | 23.48       | H   | 9.3          |
| 15784.900000                   | ---              | 42.53            | 54.00          | 11.47       | V   | 9.6          |
| 15784.900000                   | 51.62            | ---              | 74.00          | 22.38       | V   | 9.6          |
| <b>Middle Channel: 5610MHz</b> |                  |                  |                |             |     |              |
| 1198.900000                    | 36.29            | ---              | 74.00          | 37.71       | V   | -15.2        |
| 1198.900000                    | ---              | 24.84            | 54.00          | 29.16       | V   | -15.2        |
| 2842.800000                    | 37.33            | ---              | 74.00          | 36.67       | H   | -9.0         |
| 2842.800000                    | ---              | 27.87            | 54.00          | 26.13       | H   | -9.0         |
| 4774.000000                    | 43.33            | ---              | 74.00          | 30.67       | H   | -3.3         |
| 4774.000000                    | ---              | 32.99            | 54.00          | 21.01       | H   | -3.3         |
| 8388.200000                    | 48.95            | ---              | 74.00          | 25.05       | V   | 5.1          |
| 8388.200000                    | ---              | 39.66            | 54.00          | 14.34       | V   | 5.1          |
| 11636.900000                   | ---              | 41.05            | 54.00          | 12.95       | H   | 8.9          |
| 11636.900000                   | 51.73            | ---              | 74.00          | 22.27       | H   | 8.9          |
| 15633.600000                   | 50.15            | ---              | 74.00          | 23.85       | H   | 9.7          |
| 15633.600000                   | ---              | 41.02            | 54.00          | 12.98       | H   | 9.7          |
| <b>High Channel: 5690MHz</b>   |                  |                  |                |             |     |              |
| 1333.200000                    | ---              | 23.04            | 54.00          | 30.96       | H   | -15.0        |
| 1333.200000                    | 31.65            | ---              | 74.00          | 42.35       | H   | -15.0        |
| 2844.500000                    | ---              | 28.82            | 54.00          | 25.18       | V   | -9.0         |
| 2844.500000                    | 36.97            | ---              | 74.00          | 37.03       | V   | -9.0         |
| 4223.200000                    | ---              | 31.75            | 54.00          | 22.25       | H   | -5.2         |
| 4223.200000                    | 40.33            | ---              | 74.00          | 33.67       | H   | -5.2         |
| 7682.700000                    | ---              | 39.06            | 54.00          | 14.94       | V   | 3.9          |
| 7682.700000                    | 47.66            | ---              | 74.00          | 26.34       | V   | 3.9          |
| 12165.600000                   | ---              | 41.47            | 54.00          | 12.53       | H   | 9.2          |
| 12165.600000                   | 51.03            | ---              | 74.00          | 22.97       | H   | 9.2          |
| 16048.400000                   | ---              | 41.66            | 54.00          | 12.34       | V   | 9.6          |
| 16048.400000                   | 51.60            | ---              | 74.00          | 22.40       | V   | 9.6          |

**1GHz-18GHz(5725-5850MHz Band):**

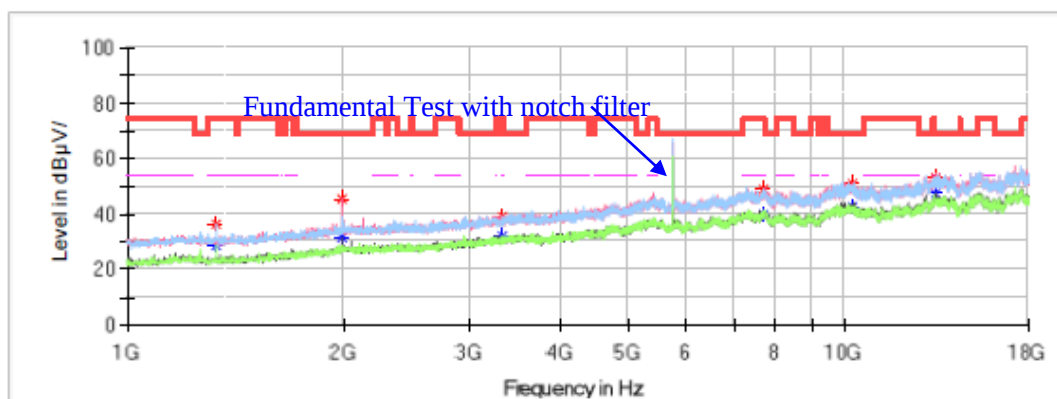
**802.11a Mode:**

**Low Channel: 5745MHz**

## Common Information

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Klein Zhu

Full Spectrum



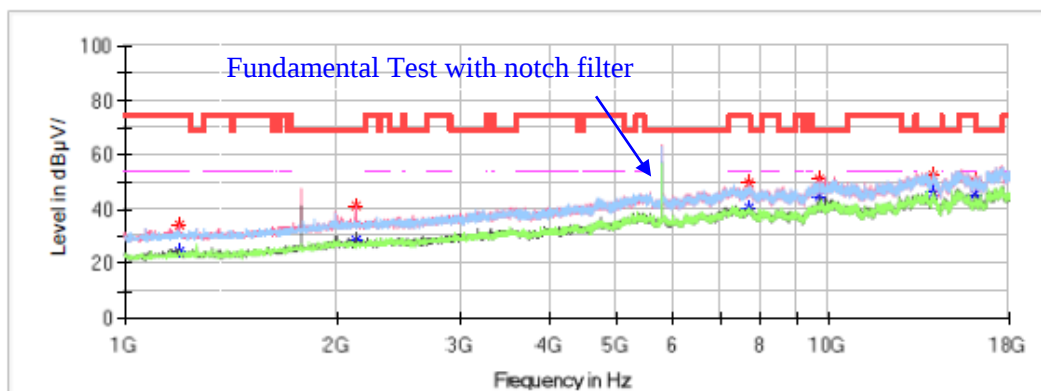
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1331.500000     | ---                | 28.72              | 54.00            | 25.28       | H   | -14.5        |
| 1331.500000     | 36.55              | ---                | 74.00            | 37.45       | H   | -14.5        |
| 1994.500000     | ---                | 31.49              | ---              | ---         | V   | -10.6        |
| 1994.500000     | 45.37              | ---                | 68.20            | 22.83       | V   | -10.6        |
| 3327.300000     | ---                | 32.26              | ---              | ---         | H   | -6.8         |
| 3327.300000     | 39.41              | ---                | 68.20            | 28.79       | H   | -6.8         |
| 7703.100000     | ---                | 40.20              | 54.00            | 13.80       | V   | 4.0          |
| 7703.100000     | 49.28              | ---                | 74.00            | 24.72       | V   | 4.0          |
| 10237.800000    | ---                | 42.58              | ---              | ---         | V   | 7.6          |
| 10237.800000    | 51.13              | ---                | 68.20            | 17.07       | V   | 7.6          |
| 13379.400000    | 52.84              | ---                | 74.00            | 21.16       | V   | 10.5         |
| 13379.400000    | ---                | 47.46              | 54.00            | 6.54        | V   | 10.5         |

**Middle Channel: 5785MHz****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

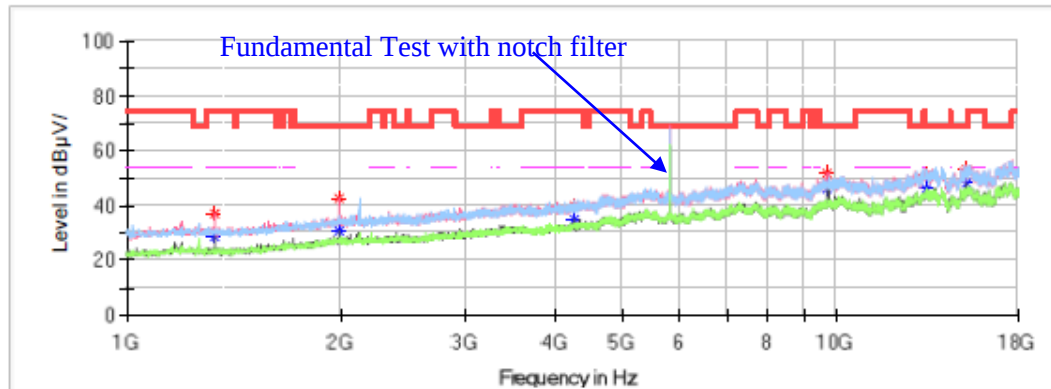
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 1198.900000     | 34.31                  | ---                    | 74.00                | 39.69       | V   | -14.9        |
| 1198.900000     | ---                    | 24.64                  | 54.00                | 29.36       | V   | -14.9        |
| 2125.400000     | ---                    | 28.64                  | ---                  | ---         | V   | -10.4        |
| 2125.400000     | 40.96                  | ---                    | 68.20                | 27.24       | V   | -10.4        |
| 7704.800000     | ---                    | 40.60                  | 54.00                | 13.40       | H   | 4.0          |
| 7704.800000     | 49.67                  | ---                    | 74.00                | 24.33       | H   | 4.0          |
| 9668.300000     | ---                    | 44.72                  | ---                  | ---         | V   | 6.8          |
| 9668.300000     | 51.05                  | ---                    | 68.20                | 17.15       | V   | 6.8          |
| 14001.600000    | ---                    | 45.88                  | ---                  | ---         | H   | 10.5         |
| 14001.600000    | 52.79                  | ---                    | 68.20                | 15.41       | H   | 10.5         |
| 16135.100000    | 50.16                  | ---                    | 74.00                | 23.84       | V   | 9.2          |
| 16135.100000    | ---                    | 45.59                  | 54.00                | 8.41        | V   | 9.2          |

**High Channel: 5825MHz****Common Information**

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Klein Zhu

Full Spectrum

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 1331.500000     | ---                | 28.36              | 54.00            | 25.64       | V   | -14.5        |
| 1331.500000     | 36.82              | ---                | 74.00            | 37.18       | V   | -14.5        |
| 1989.400000     | ---                | 30.53              | ---              | ---         | V   | -10.6        |
| 1989.400000     | 42.58              | ---                | 68.20            | 25.62       | V   | -10.6        |
| 4267.400000     | ---                | 35.25              | 54.00            | 18.75       | V   | -4.4         |
| 4267.400000     | 40.16              | ---                | 74.00            | 33.84       | V   | -4.4         |
| 9668.300000     | 51.94              | ---                | 68.20            | 16.26       | V   | 6.8          |
| 9668.300000     | ---                | 45.92              | ---              | ---         | V   | 6.8          |
| 13393.000000    | 50.88              | ---                | 74.00            | 23.12       | H   | 10.6         |
| 13393.000000    | ---                | 45.81              | 54.00            | 8.19        | H   | 10.6         |
| 15259.600000    | ---                | 47.91              | ---              | ---         | V   | 11.0         |
| 15259.600000    | 52.85              | ---                | 68.20            | 15.35       | V   | 11.0         |

**802.11ac20 Mode:**

| Frequency (MHz)                | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|--------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5745MHz</b>    |                  |                  |                |             |     |              |
| 1326.400000                    | ---              | 28.22            | 54.00          | 25.78       | V   | -14.5        |
| 1326.400000                    | 36.76            | ---              | 74.00          | 37.24       | V   | -14.5        |
| 1957.100000                    | ---              | 26.44            | ---            | ---         | H   | -10.9        |
| 1957.100000                    | 36.25            | ---              | 68.20          | 31.95       | H   | -10.9        |
| 2949.900000                    | 38.75            | ---              | 68.20          | 29.45       | V   | -8.2         |
| 2949.900000                    | ---              | 32.53            | ---            | ---         | V   | -8.2         |
| 9668.300000                    | 52.38            | ---              | 68.20          | 15.82       | V   | 6.8          |
| 9668.300000                    | ---              | 46.53            | ---            | ---         | V   | 6.8          |
| 14005.000000                   | 52.74            | ---              | 68.20          | 15.46       | H   | 10.5         |
| 14005.000000                   | ---              | 45.79            | ---            | ---         | H   | 10.5         |
| 17603.900000                   | 56.34            | ---              | 68.20          | 11.86       | V   | 13.2         |
| 17603.900000                   | ---              | 47.60            | ---            | ---         | V   | 13.2         |
| <b>Middle Channel: 5785MHz</b> |                  |                  |                |             |     |              |
| 1064.600000                    | 36.83            | ---              | 74.00          | 37.17       | V   | -15.3        |
| 1064.600000                    | ---              | 30.10            | 54.00          | 23.90       | V   | -15.3        |
| 2127.100000                    | ---              | 31.24            | ---            | ---         | H   | -10.4        |
| 2127.100000                    | 39.53            | ---              | 68.20          | 28.67       | H   | -10.4        |
| 2949.900000                    | ---              | 33.33            | ---            | ---         | V   | -8.2         |
| 2949.900000                    | 40.01            | ---              | 68.20          | 28.19       | V   | -8.2         |
| 7640.200000                    | ---              | 40.02            | 54.00          | 13.98       | V   | 4.1          |
| 7640.200000                    | 48.96            | ---              | 74.00          | 25.04       | V   | 4.1          |
| 9727.800000                    | ---              | 49.19            | ---            | ---         | H   | 6.9          |
| 9727.800000                    | 55.64            | ---              | 68.20          | 12.56       | H   | 6.9          |
| 13379.400000                   | 50.95            | ---              | 74.00          | 23.05       | V   | 10.5         |
| 13379.400000                   | ---              | 44.85            | 54.00          | 9.15        | V   | 10.5         |
| <b>High Channel: 5825MHz</b>   |                  |                  |                |             |     |              |
| 1992.800000                    | ---              | 34.09            | ---            | ---         | H   | -10.6        |
| 1992.800000                    | 48.42            | ---              | 68.20          | 19.78       | H   | -10.6        |
| 3449.700000                    | ---              | 31.36            | ---            | ---         | V   | -6.3         |
| 3449.700000                    | 39.81            | ---              | 68.20          | 28.39       | V   | -6.3         |
| 7684.400000                    | ---              | 38.72            | 54.00          | 15.28       | V   | 4.1          |
| 7684.400000                    | 48.65            | ---              | 74.00          | 25.35       | V   | 4.1          |
| 9908.000000                    | ---              | 43.56            | ---            | ---         | H   | 7.5          |
| 9908.000000                    | 48.96            | ---              | 68.20          | 19.24       | H   | 7.5          |
| 13311.400000                   | 49.76            | ---              | 74.00          | 24.24       | V   | 10.3         |
| 13311.400000                   | ---              | 45.10            | 54.00          | 8.90        | V   | 10.3         |
| 17609.000000                   | ---              | 46.50            | ---            | ---         | V   | 13.2         |
| 17609.000000                   | 55.53            | ---              | 68.20          | 12.67       | V   | 13.2         |

**802.11ac40 Mode:**

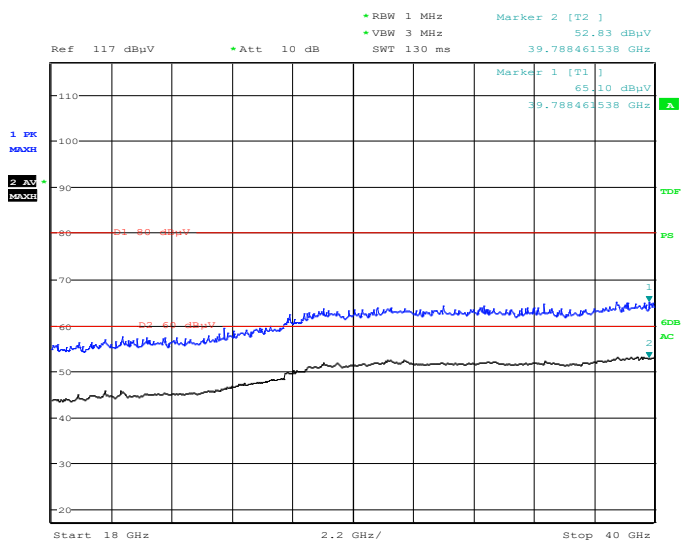
| Frequency (MHz)              | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Pol | Corr. (dB/m) |
|------------------------------|------------------|------------------|----------------|-------------|-----|--------------|
| <b>Low Channel: 5755MHz</b>  |                  |                  |                |             |     |              |
| 2128.800000                  | ---              | 31.75            | ---            | ---         | H   | -10.4        |
| 2128.800000                  | 41.88            | ---              | 68.20          | 26.32       | H   | -10.4        |
| 4250.400000                  | ---              | 32.99            | 54.00          | 21.01       | V   | -4.4         |
| 4250.400000                  | 40.69            | ---              | 74.00          | 33.31       | V   | -4.4         |
| 7171.000000                  | ---              | 38.81            | ---            | ---         | V   | 3.9          |
| 7171.000000                  | 47.81            | ---              | 68.20          | 20.39       | V   | 3.9          |
| 9727.800000                  | ---              | 44.61            | ---            | ---         | H   | 6.9          |
| 9727.800000                  | 49.53            | ---              | 68.20          | 18.67       | H   | 6.9          |
| 15230.700000                 | ---              | 44.70            | ---            | ---         | V   | 10.9         |
| 15230.700000                 | 53.54            | ---              | 68.20          | 14.66       | V   | 10.9         |
| 17590.300000                 | ---              | 45.91            | ---            | ---         | V   | 13.2         |
| 17590.300000                 | 55.25            | ---              | 68.20          | 12.95       | V   | 13.2         |
| <b>High Channel: 5795MHz</b> |                  |                  |                |             |     |              |
| 1061.200000                  | ---              | 27.21            | 54.00          | 26.79       | V   | -15.3        |
| 1061.200000                  | 38.24            | ---              | 74.00          | 35.76       | V   | -15.3        |
| 2666.000000                  | ---              | 32.62            | ---            | ---         | V   | -9.2         |
| 2666.000000                  | 43.66            | ---              | 68.20          | 24.54       | V   | -9.2         |
| 7239.000000                  | ---              | 39.39            | ---            | ---         | H   | 4.0          |
| 7239.000000                  | 48.58            | ---              | 68.20          | 19.62       | H   | 4.0          |
| 9908.000000                  | ---              | 43.41            | ---            | ---         | V   | 7.5          |
| 9908.000000                  | 50.04            | ---              | 68.20          | 18.16       | V   | 7.5          |
| 14027.100000                 | ---              | 44.61            | ---            | ---         | H   | 10.4         |
| 14027.100000                 | 53.73            | ---              | 68.20          | 14.47       | H   | 10.4         |
| 17573.300000                 | ---              | 46.21            | ---            | ---         | V   | 13.3         |
| 17573.300000                 | 55.99            | ---              | 68.20          | 12.21       | V   | 13.3         |

**802.11ac80 Mode:**

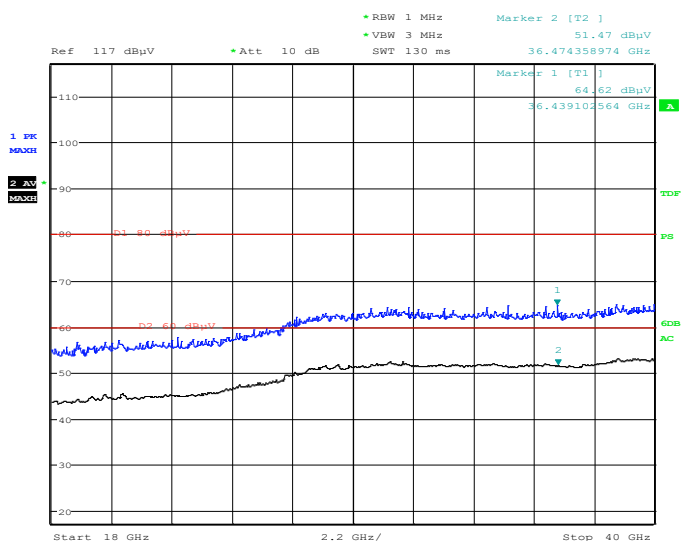
| Frequency<br>(MHz)      | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Pol | Corr.<br>(dB/m) |
|-------------------------|---------------------|---------------------|-------------------|----------------|-----|-----------------|
| <b>Channel: 5775MHz</b> |                     |                     |                   |                |     |                 |
| 1061.200000             | 36.46               | ---                 | 74.00             | 37.54          | V   | -15.3           |
| 1061.200000             | ---                 | 24.75               | 54.00             | 29.25          | V   | -15.3           |
| 1992.800000             | 39.53               | ---                 | 68.20             | 28.67          | H   | -10.6           |
| 1992.800000             | ---                 | 29.59               | ---               | ---            | H   | -10.6           |
| 2854.700000             | ---                 | 29.27               | 54.00             | 24.73          | V   | -8.5            |
| 2854.700000             | 39.58               | ---                 | 74.00             | 34.42          | V   | -8.5            |
| 4831.800000             | ---                 | 35.23               | 54.00             | 18.77          | V   | -2.1            |
| 4831.800000             | 43.47               | ---                 | 74.00             | 30.53          | V   | -2.1            |
| 9727.800000             | ---                 | 46.78               | ---               | ---            | H   | 6.9             |
| 9727.800000             | 52.43               | ---                 | 68.20             | 15.77          | H   | 6.9             |
| 14001.600000            | ---                 | 44.60               | ---               | ---            | V   | 10.5            |
| 14001.600000            | 53.58               | ---                 | 68.20             | 14.62          | V   | 10.5            |

**18GHz-40GHz:**

Pre-scan with 802.11a, 802.11ac20, 802.11ac40, 802.11ac80 modes of operation in the X,Y and Z axes of orientation, the worst case **802.11ac40 low channel of 5470-5725MHz** was recorded

**Horizontal**

Project No. RSHA240424001 Tester: Hugh Wu  
Date: 24.MAY.2024 18:16:15

**Vertical**

Project No. RSHA240424001 Tester: Hugh Wu  
Date: 24.MAY.2024 18:32:40

Note: The test distance is 1.5m. The limit is 80dBu V/m(Peak) and 60dBu V/m(Average).

**Bands Edge Emissions Test (5150-5250MHz Band):**

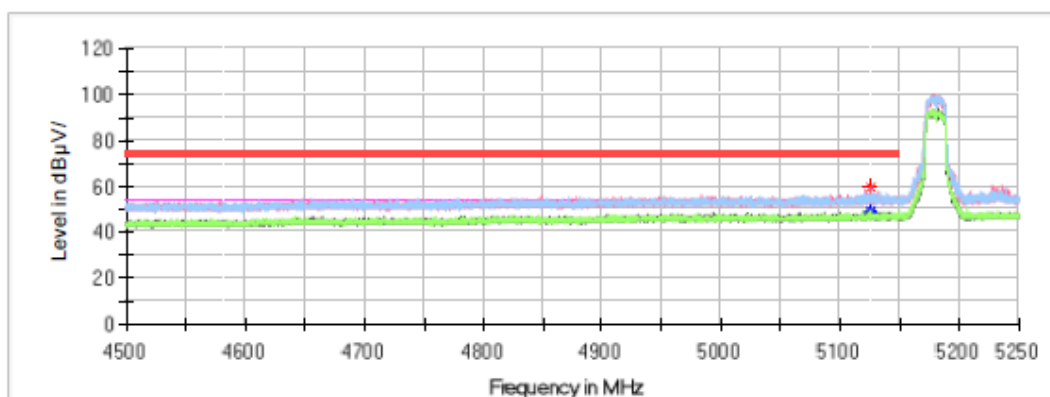
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

**802.11a Mode:****Low Channel****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

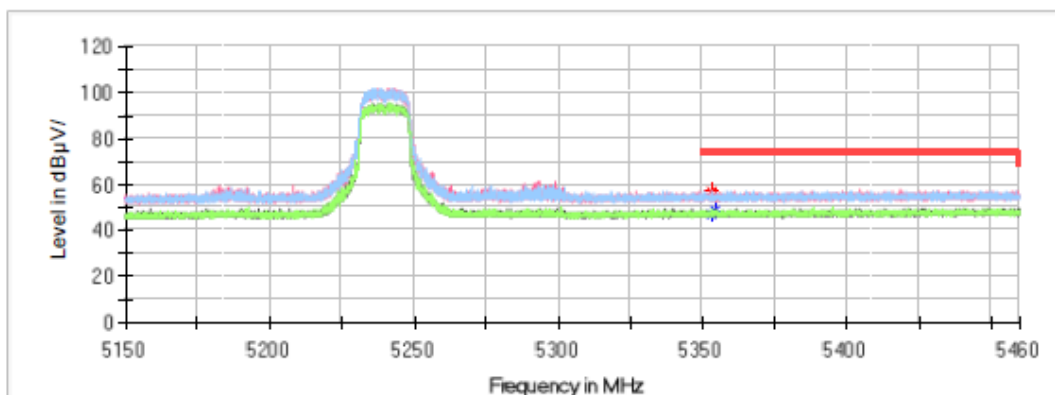
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5124.825000     | ---                | 49.20              | 54.00            | 4.80        | H   | 9.3          |
| 5124.825000     | 54.32              | ---                | 74.00            | 19.68       | H   | 9.3          |
| 5126.025000     | ---                | 48.88              | 54.00            | 5.12        | V   | 9.3          |
| 5126.025000     | 59.55              | ---                | 74.00            | 14.45       | V   | 9.3          |

**High Channel****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

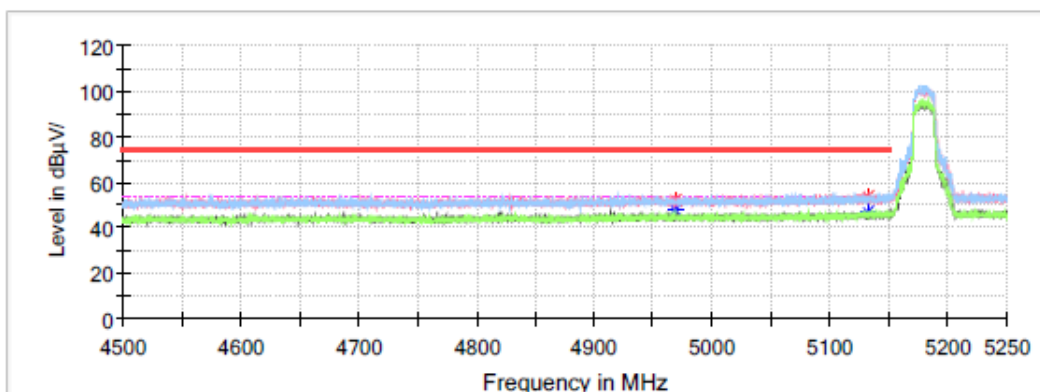
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5352.988000     | ---                | 47.14              | 54.00            | 6.86        | H   | 10.2         |
| 5352.988000     | 56.90              | ---                | 74.00            | 17.10       | H   | 10.2         |
| 5354.476000     | 54.70              | ---                | 74.00            | 19.30       | V   | 10.2         |
| 5354.476000     | ---                | 48.79              | 54.00            | 5.21        | V   | 10.2         |

**802.11ac20 Mode:  
Low Channel****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

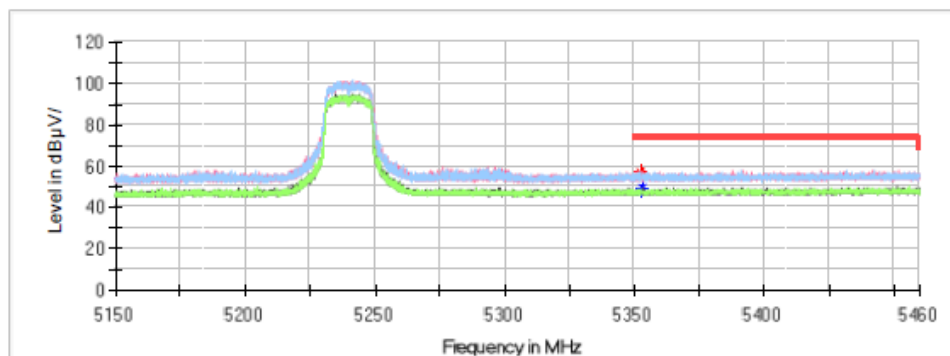
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 4968.150000     | 51.71              | ---                | 74.00            | 22.29       | H   | 7.7          |
| 4968.150000     | ---                | 47.70              | 54.00            | 6.30        | H   | 7.7          |
| 5131.725000     | ---                | 47.22              | 54.00            | 6.78        | V   | 8.2          |
| 5131.725000     | 53.38              | ---                | 74.00            | 20.62       | V   | 8.2          |

**High Channel****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

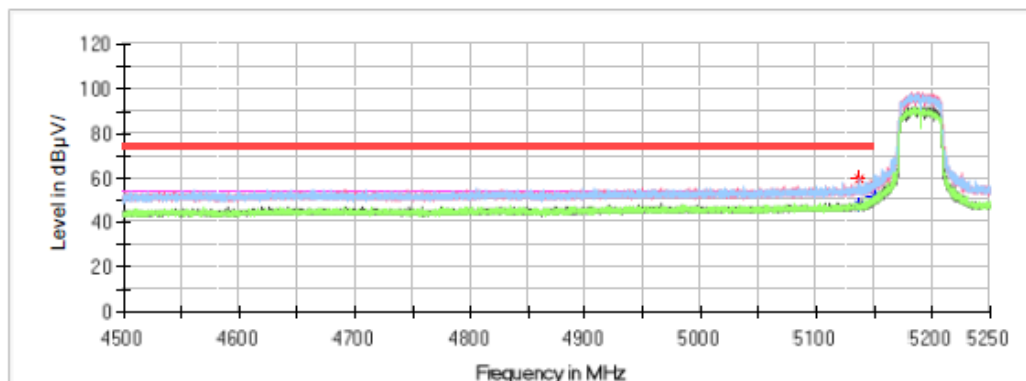
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5352.554000     | ---                | 47.88              | 54.00            | 6.12        | H   | 10.2         |
| 5352.554000     | 57.28              | ---                | 74.00            | 16.72       | H   | 10.2         |
| 5353.205000     | 55.69              | ---                | 74.00            | 18.31       | V   | 10.2         |
| 5353.205000     | ---                | 49.47              | 54.00            | 4.53        | V   | 10.2         |

**802.11ac40 Mode:****Low Channel****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

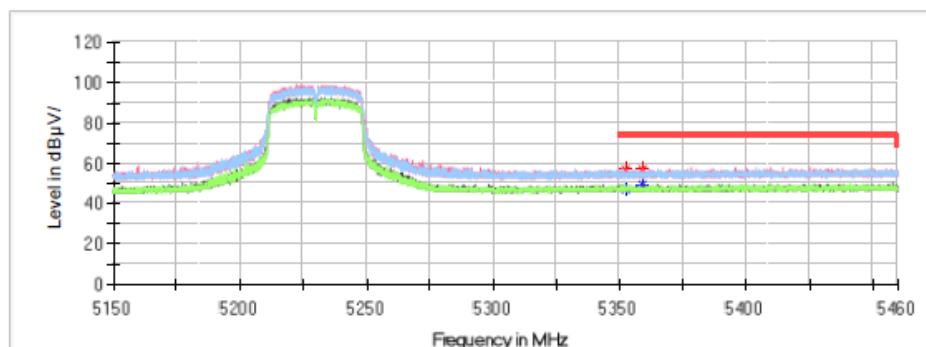
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5136.975000     | 59.93              | ---                | 74.00            | 14.07       | H   | 9.4          |
| 5136.975000     | ---                | 47.78              | 54.00            | 6.22        | H   | 9.4          |
| 5149.875000     | 57.45              | ---                | 74.00            | 16.55       | V   | 9.4          |
| 5149.875000     | ---                | 51.96              | 54.00            | 2.04        | V   | 9.4          |

**High Channel****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

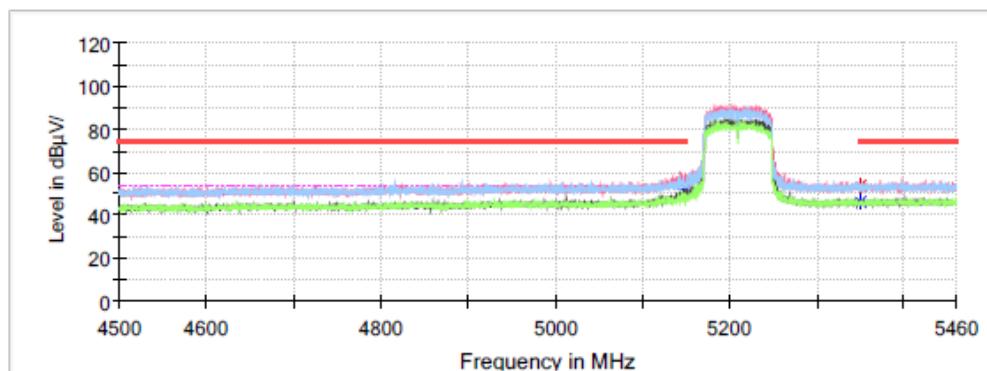
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5352.461000     | 57.44              | ---                | 74.00            | 16.56       | V   | 10.2         |
| 5352.461000     | ---                | 46.95              | 54.00            | 7.05        | V   | 10.2         |
| 5359.126000     | 56.82              | ---                | 74.00            | 17.18       | V   | 10.3         |
| 5359.126000     | ---                | 49.70              | 54.00            | 4.30        | V   | 10.3         |

**802.11ac80 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 5149.248000     | 55.13                  | ---                    | 74.00                | 18.87       | V   | 8.2          |
| 5149.248000     | ---                    | 51.83                  | 54.00                | 2.17        | V   | 8.2          |
| 5350.272000     | 53.69                  | ---                    | 74.00                | 20.31       | H   | 8.7          |
| 5350.272000     | ---                    | 46.41                  | 54.00                | 7.59        | H   | 8.7          |

**Band Edge Emissions Test (5250-5350MHz Band):**

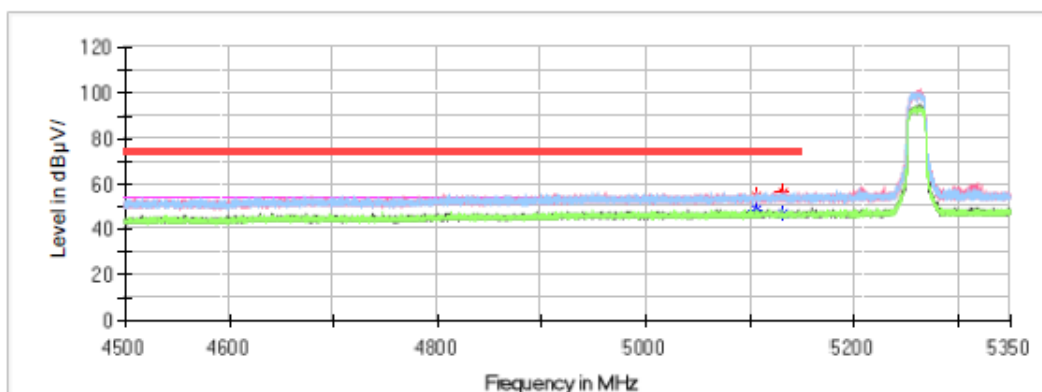
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

**802.11a Mode:****Common Information**

Project No.: RSHA240424001  
 Test Mode: 5G WIFI  
 Standard: FCC Part 15.407  
 Test Engineer: Klein Zhu

Full Spectrum

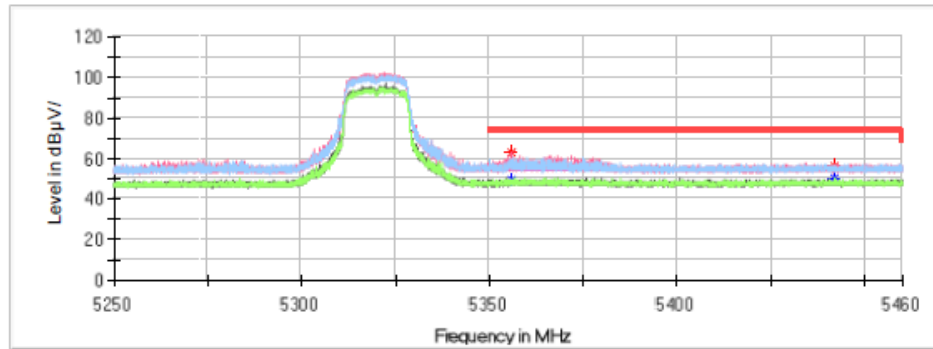
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5107.240000     | 54.73              | ---                | 74.00            | 19.27       | V   | 9.2          |
| 5107.240000     | ---                | 48.69              | 54.00            | 5.31        | H   | 9.2          |
| 5132.740000     | 56.49              | ---                | 74.00            | 17.51       | V   | 9.3          |
| 5132.740000     | ---                | 47.09              | 54.00            | 6.91        | V   | 9.3          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



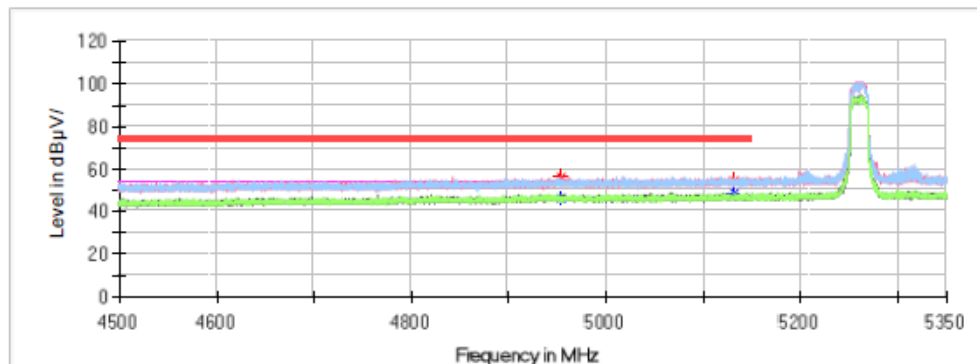
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5355.798000     | 63.33              | ---                | 74.00            | 10.67       | V   | 10.2         |
| 5355.798000     | ---                | 49.31              | 54.00            | 4.69        | V   | 10.2         |
| 5442.108000     | 56.42              | ---                | 74.00            | 17.58       | H   | 10.6         |
| 5442.108000     | ---                | 50.75              | 54.00            | 3.25        | H   | 10.6         |

**802.11ac20 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

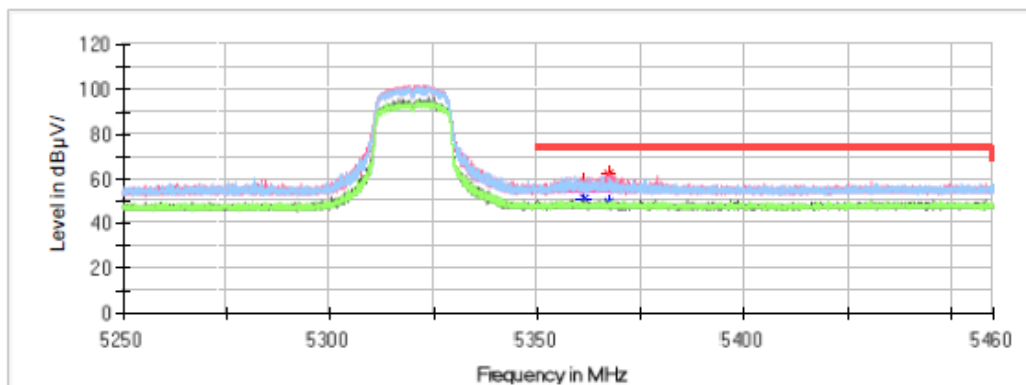
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 4954.070000     | 56.52              | ---                | 74.00            | 17.48       | V   | 8.6          |
| 4954.070000     | ---                | 46.00              | 54.00            | 8.00        | H   | 8.6          |
| 5132.910000     | 54.26              | ---                | 74.00            | 19.74       | H   | 9.3          |
| 5132.910000     | ---                | 48.94              | 54.00            | 5.06        | H   | 9.3          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



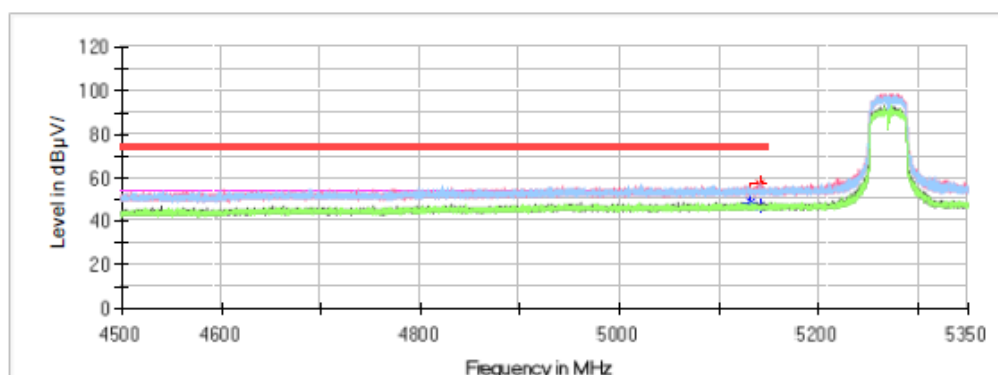
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5361.447000     | ---                | 51.24              | 54.00            | 2.76        | V   | 10.3         |
| 5361.447000     | 58.55              | ---                | 74.00            | 15.45       | V   | 10.3         |
| 5367.180000     | ---                | 49.76              | 54.00            | 4.24        | V   | 10.3         |
| 5367.180000     | 62.33              | ---                | 74.00            | 11.67       | V   | 10.3         |

**802.11ac40 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

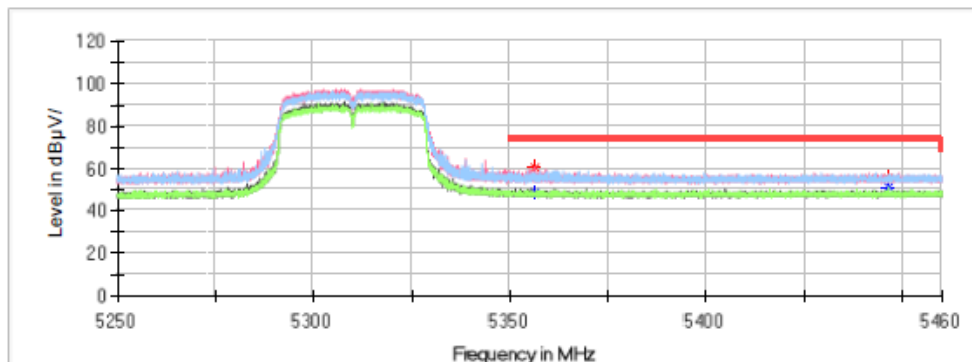
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5132.910000     | 53.56              | ---                | 74.00            | 20.44       | H   | 9.3          |
| 5132.910000     | ---                | 49.00              | 54.00            | 5.00        | H   | 9.3          |
| 5140.475000     | ---                | 46.98              | 54.00            | 7.02        | H   | 9.4          |
| 5140.475000     | 57.29              | ---                | 74.00            | 16.71       | H   | 9.4          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



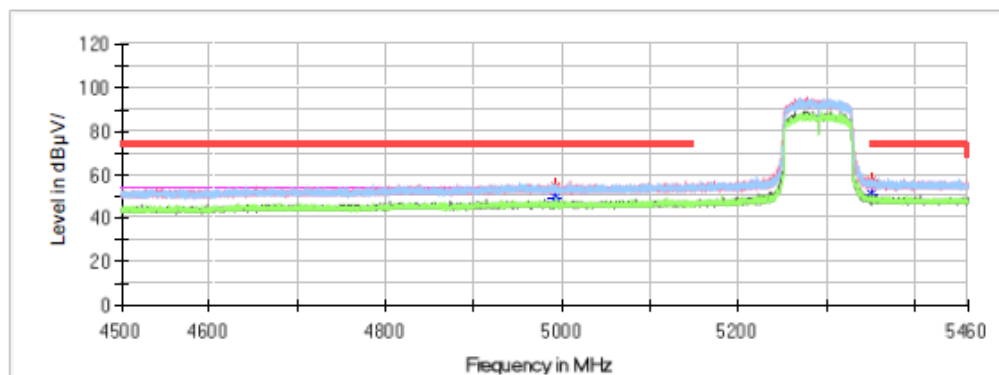
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5356.365000     | ---                | 48.94              | 54.00            | 5.06        | V   | 10.3         |
| 5356.365000     | 60.22              | ---                | 74.00            | 13.78       | V   | 10.3         |
| 5446.623000     | 55.44              | ---                | 74.00            | 18.56       | H   | 10.6         |
| 5446.623000     | ---                | 50.79              | 54.00            | 3.21        | H   | 10.6         |

**802.11ac80 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 4993.440000     | 54.16              | ---                | 74.00            | 19.84       | H   | 8.8          |
| 4993.440000     | ---                | 49.13              | 54.00            | 4.87        | H   | 8.8          |
| 5350.176000     | 57.09              | ---                | 74.00            | 16.91       | V   | 10.2         |
| 5350.176000     | ---                | 51.25              | 54.00            | 2.75        | V   | 10.2         |

**Band Edge Emissions Test (5470-5725MHz Band):**

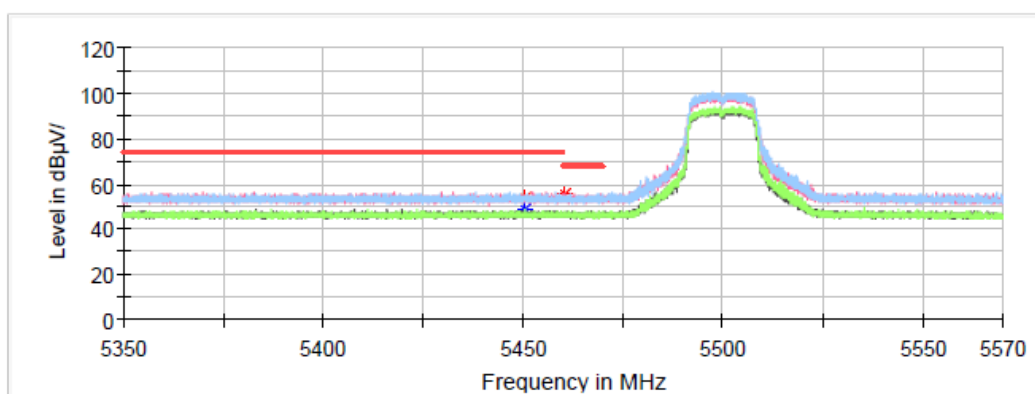
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

**802.11a Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

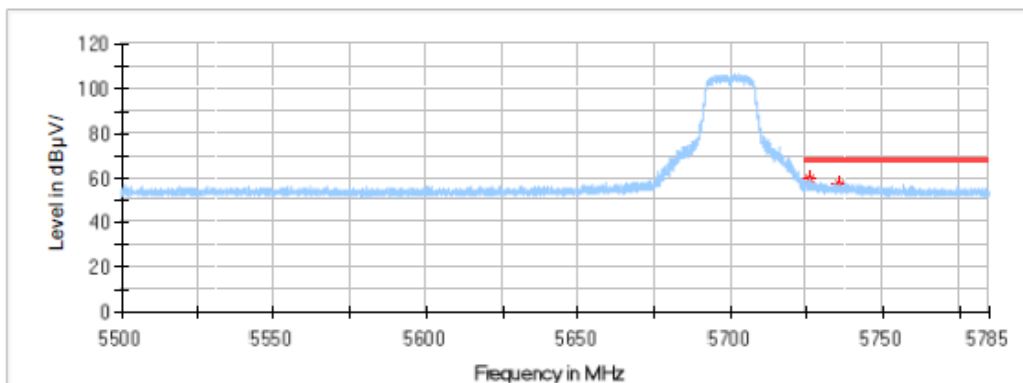
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5450.320000     | 53.89              | ---                | 74.00            | 20.11       | H   | 9.0          |
| 5450.320000     | ---                | 48.50              | 54.00            | 5.50        | H   | 9.0          |
| 5460.638000     | 55.68              | ---                | 68.20            | 12.52       | V   | 9.0          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



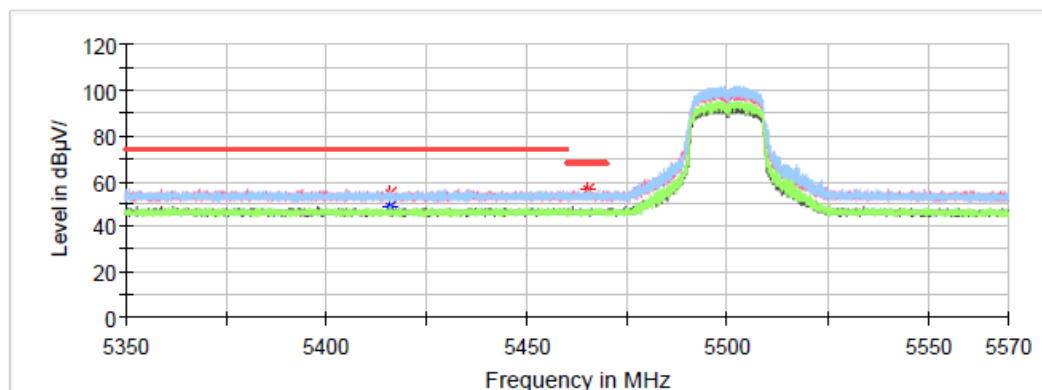
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5726.204500     | 59.51              | ---                | 68.20            | 8.69        | H   | 8.9          |
| 5736.094000     | 57.10              | ---                | 68.20            | 11.10       | H   | 8.9          |

**802.11ac20 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

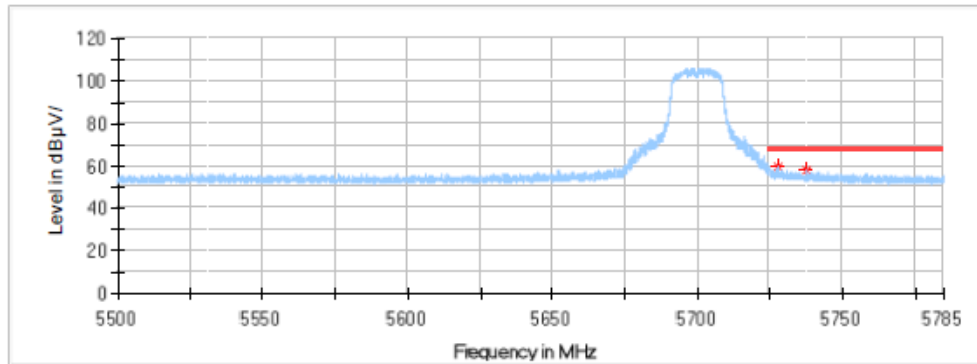
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5415.890000     | 54.40              | ---                | 74.00            | 19.60       | H   | 8.9          |
| 5415.890000     | ---                | 48.70              | 54.00            | 5.30        | H   | 8.9          |
| 5465.258000     | 56.61              | ---                | 68.20            | 11.59       | V   | 9.0          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



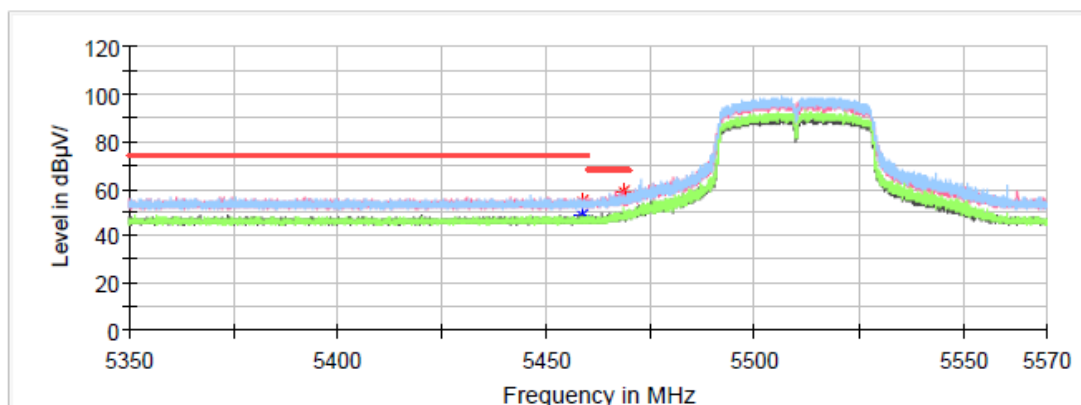
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5727.971500     | 59.32              | ---                | 68.20            | 8.88        | H   | 8.9          |
| 5737.490500     | 57.85              | ---                | 68.20            | 10.35       | H   | 8.9          |

**802.11ac40 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

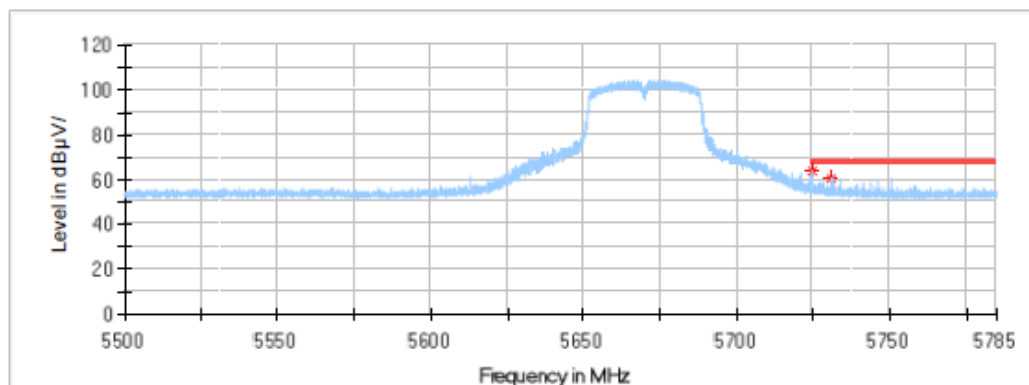
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----|--------------|
| 5458.702000     | 54.74                  | ---                    | 74.00                | 19.26       | V   | 9.0          |
| 5458.702000     | ---                    | 48.70                  | 54.00                | 5.30        | V   | 9.0          |
| 5468.668000     | 58.91                  | ---                    | 68.20                | 9.29        | V   | 9.0          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



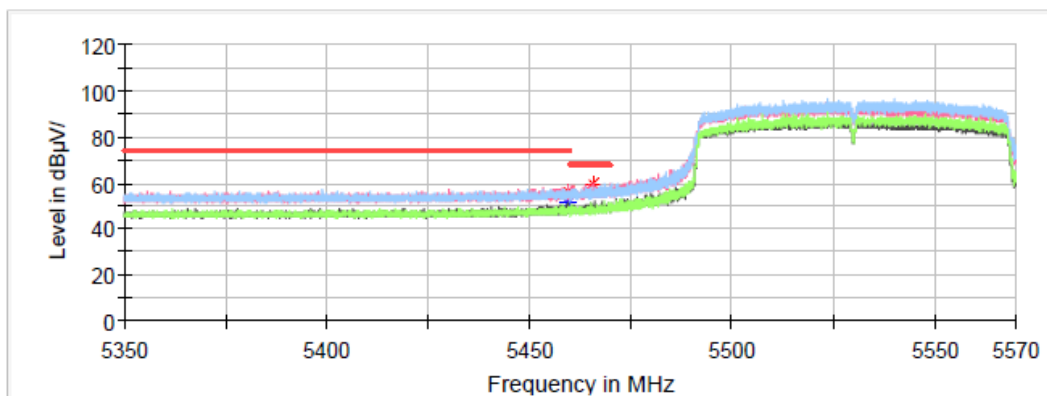
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5725.007500     | 64.16              | ---                | 68.20            | 4.04        | H   | 8.9          |
| 5731.049500     | 60.33              | ---                | 68.20            | 7.87        | H   | 8.9          |

**802.11ac80 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum

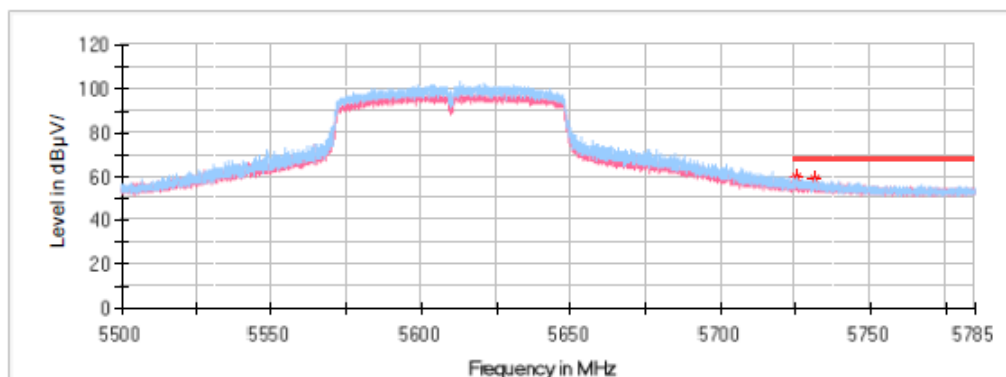
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5459.340000     | 56.58              | ---                | 74.00            | 17.42       | V   | 9.0          |
| 5459.340000     | ---                | 51.33              | 54.00            | 2.67        | V   | 9.0          |
| 5465.478000     | 59.47              | ---                | 68.20            | 8.73        | V   | 9.0          |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Klein Zhu

Full Spectrum



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5725.549000     | 59.38              | ---                | 68.20            | 8.82        | H   | 8.9          |
| 5731.391500     | 58.72              | ---                | 68.20            | 9.48        | H   | 8.9          |

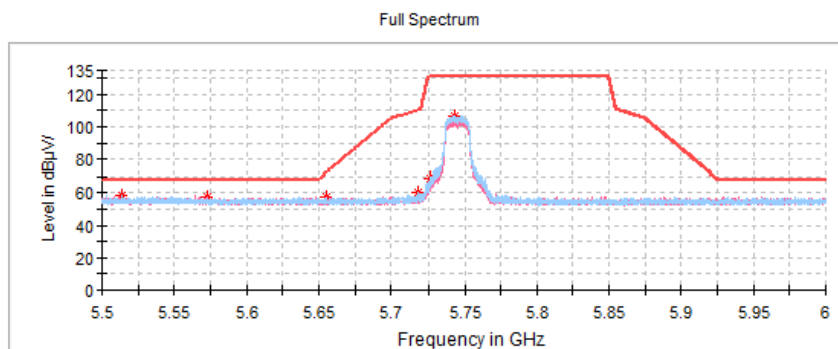
**Band Edge Emissions Test (5725-5850MHz Band):**

Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

**802.11a Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

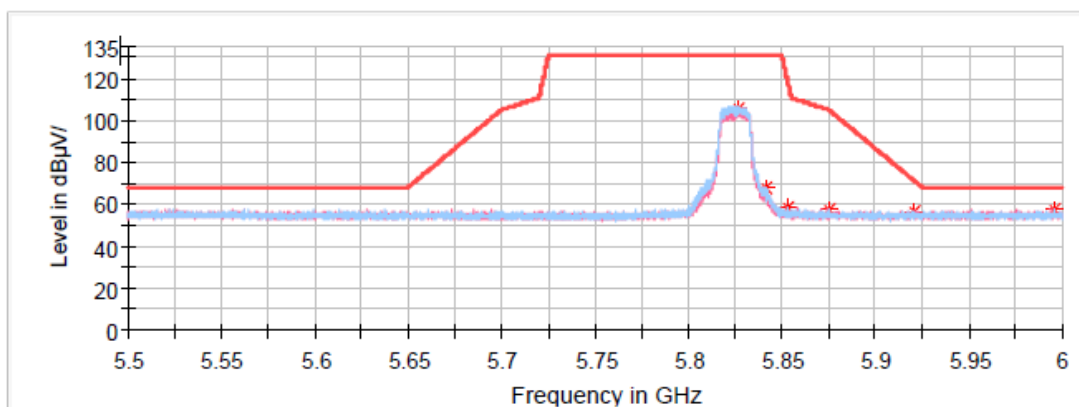
**Critical Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5513.900000     | 58.55              | ---                | 68.20            | 9.65        | H   | 10.8         |
| 5572.600000     | 57.95              | ---                | 68.20            | 10.25       | V   | 10.7         |
| 5655.700000     | 57.18              | ---                | 72.42            | 15.24       | V   | 10.6         |
| 5717.450000     | 60.47              | ---                | 110.09           | 49.61       | H   | 10.6         |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum



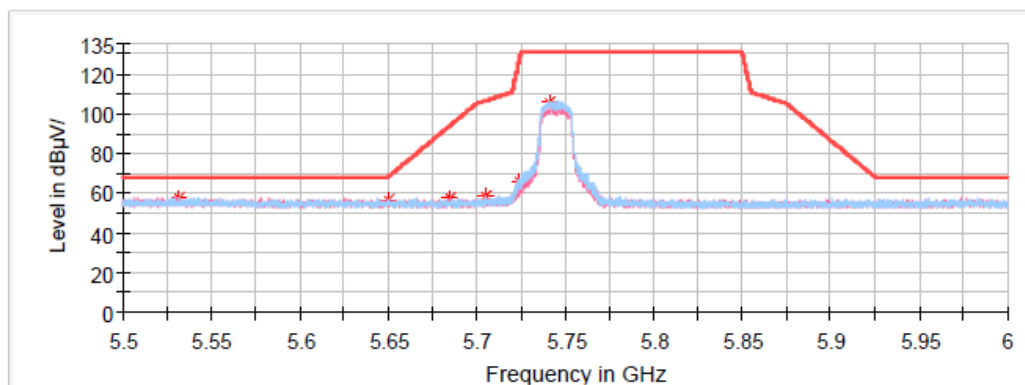
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5875.100000     | 57.31              | ---                | 105.13           | 47.81       | H   | 10.4         |
| 5920.650000     | 57.00              | ---                | 71.42            | 14.41       | H   | 10.3         |
| 5995.300000     | 57.63              | ---                | 68.20            | 10.57       | H   | 10.2         |

**802.11ac20 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

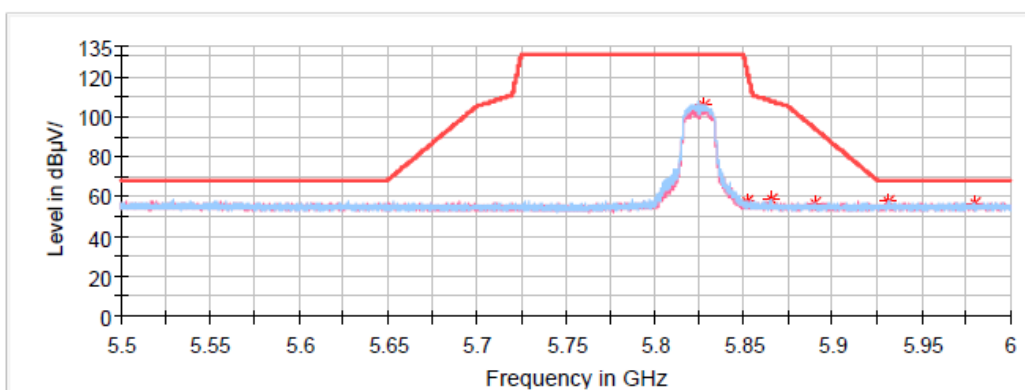
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5531.400000     | 57.98              | ---                | 68.20            | 10.22       | H   | 10.8         |
| 5650.100000     | 57.00              | ---                | 68.27            | 11.27       | H   | 10.6         |
| 5684.750000     | 57.51              | ---                | 93.92            | 36.41       | V   | 10.6         |
| 5705.500000     | 58.27              | ---                | 106.74           | 48.47       | H   | 10.6         |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum



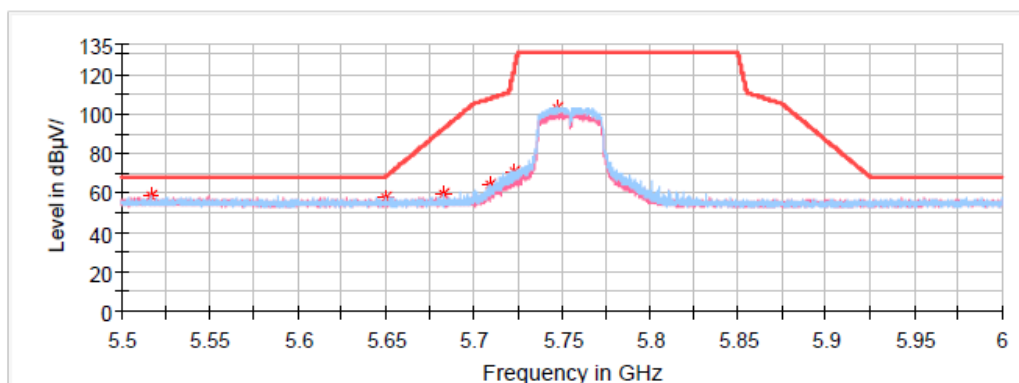
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5865.250000     | 58.72              | ---                | 107.93           | 49.21       | H   | 10.4         |
| 5889.700000     | 57.00              | ---                | 94.32            | 37.32       | H   | 10.3         |
| 5930.900000     | 57.66              | ---                | 68.20            | 10.54       | H   | 10.3         |
| 5980.150000     | 56.48              | ---                | 68.20            | 11.72       | H   | 10.2         |

**802.11ac40 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

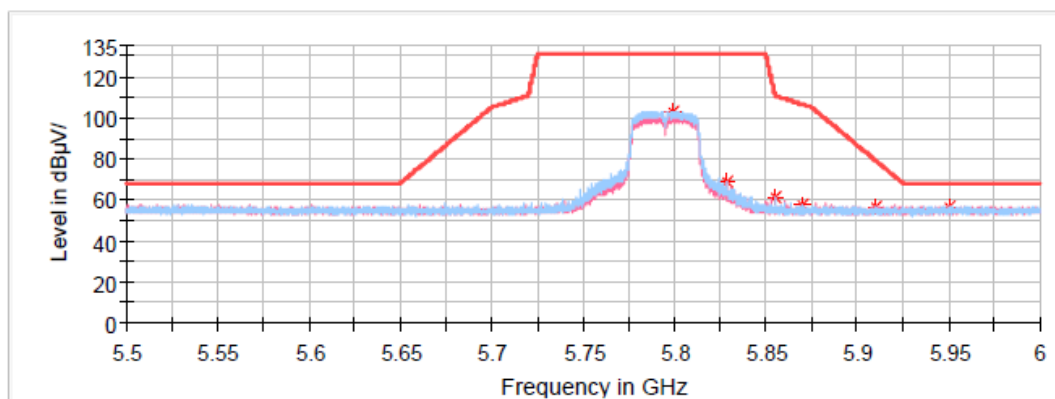
**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5517.250000     | 58.99              | ---                | 68.20            | 9.21        | H   | 10.8         |
| 5650.250000     | 57.24              | ---                | 68.39            | 11.15       | H   | 10.6         |
| 5682.700000     | 59.77              | ---                | 92.40            | 32.62       | H   | 10.6         |
| 5709.650000     | 64.15              | ---                | 107.90           | 43.75       | H   | 10.6         |

## Common Information

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum



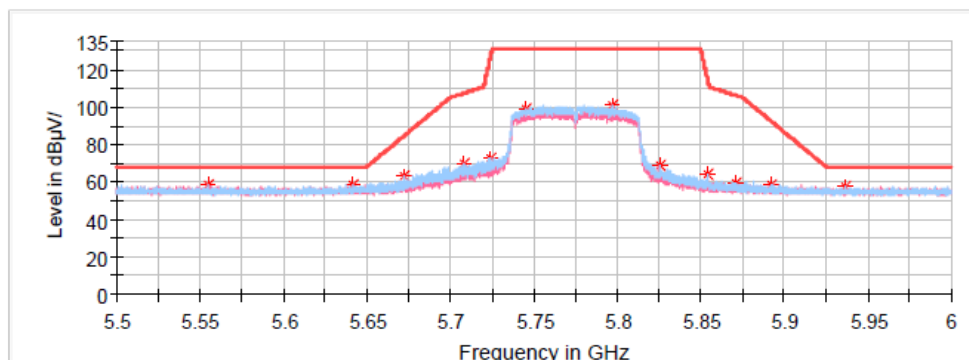
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB μ V/m) | Average (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5869.750000     | 57.39              | ---                | 106.67           | 49.28       | H   | 10.4         |
| 5910.400000     | 57.01              | ---                | 79.00            | 22.00       | H   | 10.3         |
| 5950.100000     | 57.00              | ---                | 68.20            | 11.20       | V   | 10.3         |

**802.11ac80 Mode:****Common Information**

Project No.: RSHA240424001  
Test Mode: 5G WIFI  
Standard: FCC Part 15.407  
Test Engineer: Hugh Wu

Full Spectrum

**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dB µ V/m) | Average (dB µ V/m) | Limit (dB µ V/m) | Margin (dB) | Pol | Corr. (dB/m) |
|-----------------|--------------------|--------------------|------------------|-------------|-----|--------------|
| 5554.950000     | 58.13              | ---                | 68.20            | 10.07       | H   | 10.8         |
| 5641.700000     | 58.45              | ---                | 68.20            | 9.75        | H   | 10.7         |
| 5672.800000     | 62.83              | ---                | 85.07            | 22.24       | H   | 10.6         |
| 5708.050000     | 69.58              | ---                | 107.45           | 37.87       | H   | 10.6         |
| 5870.850000     | 59.49              | ---                | 106.36           | 46.88       | H   | 10.4         |
| 5892.000000     | 59.00              | ---                | 92.62            | 33.62       | H   | 10.3         |
| 5936.850000     | 57.60              | ---                | 68.20            | 10.60       | H   | 10.3         |

**EMISSION BANDWIDTH****Test Result:** Compliant*5150-5250 MHz:*

| Test mode   | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|-------------|---------|-----------------|----------------------|---------------------|
| 802.11 a    | Low     | 5180            | 19.730               | 16.300              |
|             | Middle  | 5200            | 20.110               | 16.300              |
|             | High    | 5240            | 19.880               | 16.300              |
| 802.11 ac20 | Low     | 5180            | 21.224               | 17.400              |
|             | Middle  | 5200            | 21.018               | 17.400              |
|             | High    | 5240            | 21.020               | 17.400              |
| 802.11 ac40 | Low     | 5190            | 41.958               | 35.900              |
|             | High    | 5230            | 41.259               | 35.900              |
| 802.11 ac80 | Middle  | 5210            | 87.912               | 75.200              |

Note: the 99% Occupied Bandwidth have not fall into the band 5250-5350MHz.

*5250-5350 MHz:*

| Test mode   | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|-------------|---------|-----------------|----------------------|---------------------|
| 802.11 a    | Low     | 5260            | 19.880               | 16.300              |
|             | Middle  | 5280            | 19.830               | 16.300              |
|             | High    | 5320            | 19.780               | 16.300              |
| 802.11 ac20 | Low     | 5260            | 21.018               | 17.400              |
|             | Middle  | 5280            | 20.968               | 17.400              |
|             | High    | 5320            | 20.967               | 17.400              |
| 802.11 ac40 | Low     | 5270            | 42.058               | 35.900              |
|             | High    | 5310            | 41.658               | 35.900              |
| 802.11 ac80 | Middle  | 5290            | 84.316               | 75.200              |

5470-5725 MHz:

| Test mode   | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|-------------|---------|-----------------|----------------------|---------------------|
| 802.11 a    | Low     | 5500            | 20.457               | 16.300              |
|             | Middle  | 5580            | 20.816               | 16.429              |
|             | High    | 5700            | 20.511               | 16.300              |
|             | Cross   | 5720            | 20.965               | 16.300              |
| 802.11 ac20 | Low     | 5500            | 21.117               | 17.400              |
|             | Middle  | 5580            | 21.687               | 17.500              |
|             | High    | 5700            | 21.484               | 17.450              |
|             | Cross   | 5720            | 21.067               | 17.450              |
| 802.11 ac40 | Low     | 5510            | 44.855               | 36.000              |
|             | Middle  | 5550            | 44.655               | 36.000              |
|             | High    | 5670            | 45.155               | 36.000              |
|             | Cross   | 5710            | 44.755               | 36.100              |
| 802.11 ac80 | Low     | 5530            | 84.915               | 75.200              |
|             | Middle  | 5610            | 85.914               | 75.200              |
|             | High    | 5690            | 85.914               | 75.400              |

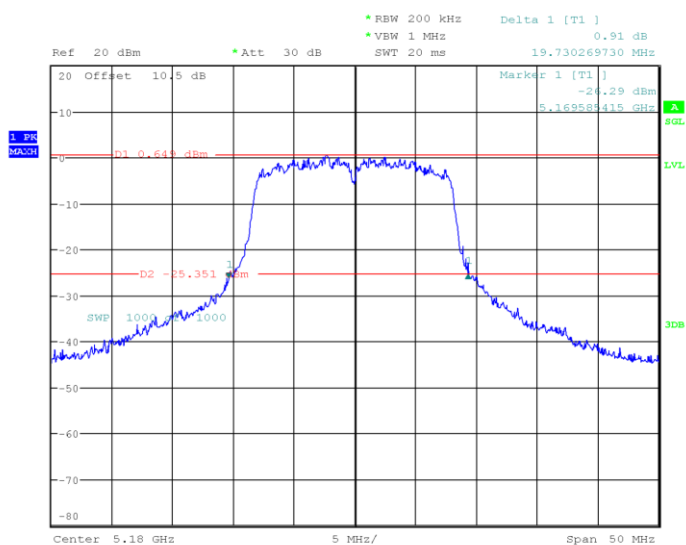
5725-5850MHz:

| Test mode   | Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) | 99% Bandwidth (MHz) |
|-------------|---------|-----------------|---------------------|-------------|---------------------|
| 802.11 a    | Low     | 5745            | 15.435              | 0.500       | 16.300              |
|             | Middle  | 5785            | 15.235              | 0.500       | 16.250              |
|             | High    | 5825            | 15.485              | 0.500       | 16.250              |
| 802.11 ac20 | Low     | 5745            | 15.235              | 0.500       | 17.450              |
|             | Middle  | 5785            | 15.285              | 0.500       | 17.450              |
|             | High    | 5825            | 15.285              | 0.500       | 17.350              |
| 802.11 ac40 | Low     | 5755            | 35.365              | 0.500       | 36.100              |
|             | High    | 5795            | 35.365              | 0.500       | 35.900              |
| 802.11 ac80 | Middle  | 5775            | 75.724              | 0.500       | 75.400              |

Note: the 99% Occupied Bandwidth have not fall into the band 5470-5725MHz.

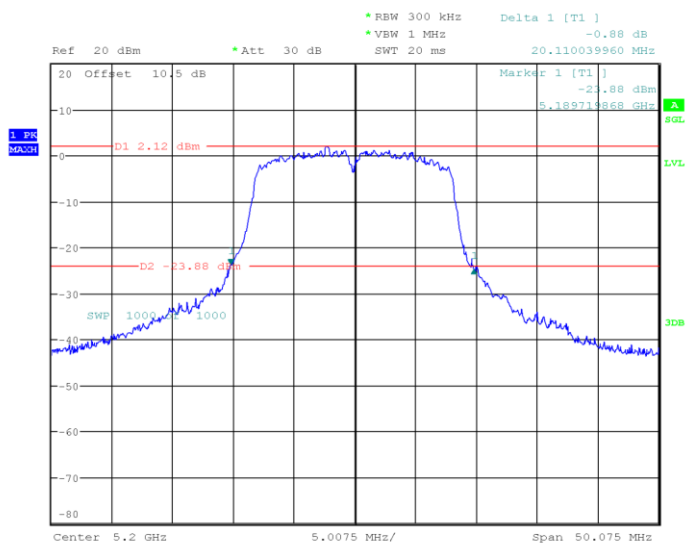
### 5150-5250 MHz Band:

802.11a mode, 5180MHz

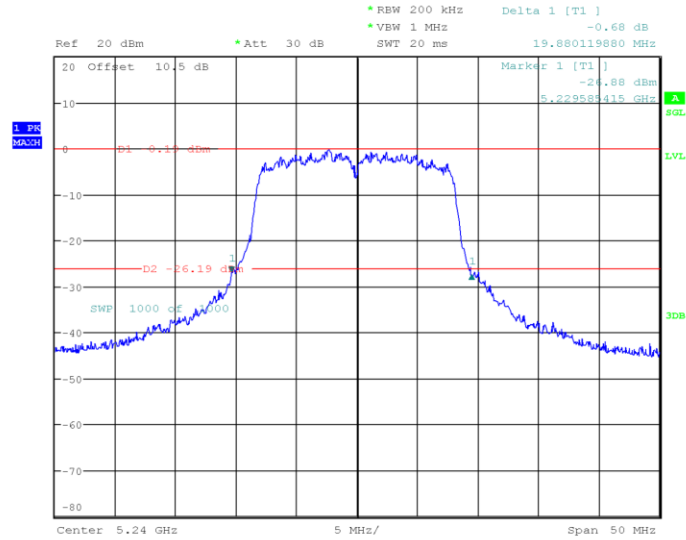


ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 15.MAY.2024 14:43:42

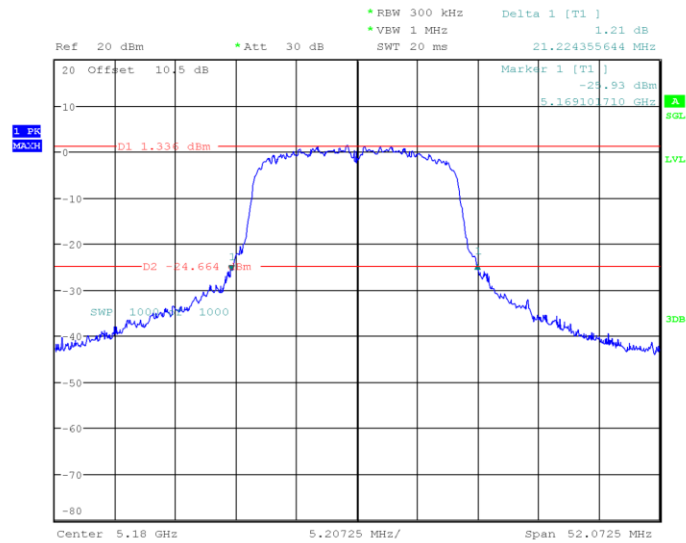
### 802.11a mode, 5200MHz



ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 15.MAY.2024 14:56:14

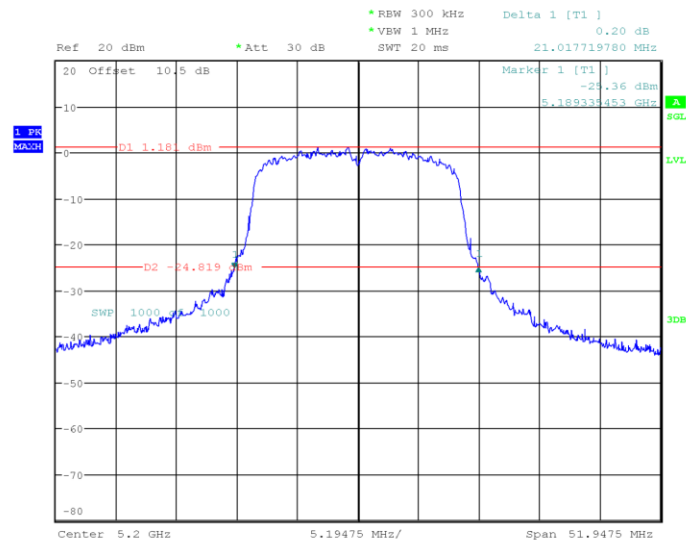
**802.11a mode, 5240MHz**

ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 15.MAY.2024 15:00:20

**802.11ac20 mode, 5180MHz**

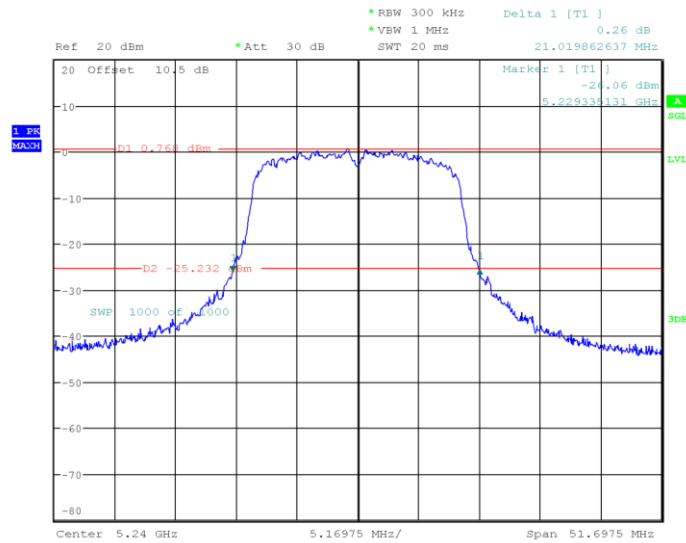
ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 15.MAY.2024 15:30:17

802.11ac20 mode, 5200MHz



ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 15.MAY.2024 15:34:18

802.11ac20 mode, 5240MHz



ProjectNo.:RSHA240424001 Tester:Bard Liu  
Date: 15.MAY.2024 15:38:55