

# FCC Radio Test Report

## FCC ID: 2AV2N-SR1041F

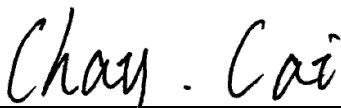
**This report concerns: Class II Permissive Change**

**Project No.** : 2204C161A  
**Equipment** : Wireless Router  
**Brand Name** : FiberHome  
**Test Model** : SR1041F  
**Series Model** : N/A  
**Applicant** : Fiberhome Telecommunication Technologies Co., Ltd.  
**Address** : No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China  
**Manufacturer** : Fiberhome Telecommunication Technologies Co., Ltd.  
**Address** : No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China  
**Factory** : Fiberhome Telecommunication Technologies Co., Ltd.  
**Address** : No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China  
**Date of Receipt** : Jul. 24, 2022  
**Date of Test** : Jul. 24, 2022 ~ Aug. 01, 2022  
**Issued Date** : Aug. 05, 2022  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG20220427114 for conducted,  
DG20220427113 for radiated above 1GHz.  
**Standard(s)** : FCC CFR Title 47, Part 15, Subpart E  
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01  
FCC KDB 662911 D01 Multiple Transmitter Output v02r01  
ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.



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TESTING CERT #5123.02

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**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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### REPORT ISSUED HISTORY

| Report No.           | Version | Description                                                                                                                                                                                                                                                   | Issued Date   | Note  |
|----------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------|
| BTL-FCCP-5-2204C161A | R00     | Compared with original report(BTL-FCCP-2-2204C161), added the WiFi 5G UNII-2C. All test items except AC Power Line Conducted Emissions and radiated below 1GHz have been tested and recorded in this report. Other test data please refer to original report. | Aug. 05, 2022 | Valid |

## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart E |                                        |                                        |          |          |
|--------------------------------------|----------------------------------------|----------------------------------------|----------|----------|
| Standard(s)<br>Section               | Test Item                              | Test Result                            | Judgment | Remark   |
| 15.207<br>15.407(b)                  | AC Power Line Conducted Emissions      | APPENDIX A                             | PASS     | -----    |
| 15.407(b)<br>15.205(a)<br>15.209(a)  | Radiated Emissions                     | APPENDIX B<br>APPENDIX C<br>APPENDIX D | PASS     | -----    |
| 15.407(a)                            | Bandwidth                              | APPENDIX E                             | PASS     | -----    |
| 15.407(a)                            | Maximum Output Power                   | APPENDIX F                             | PASS     | -----    |
| 15.407(a)                            | Power Spectral Density                 | APPENDIX G                             | PASS     | -----    |
| 15.407(g)                            | Frequency Stability                    | APPENDIX H                             | PASS     | -----    |
| 15.203                               | Antenna Requirements                   | -----                                  | PASS     | NOTE (2) |
| 15.407(c)                            | Automatically Discontinue Transmission | -----                                  | PASS     | NOTE (3) |

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
  - ☐ Outdoor access point device
  - ☒ Indoor access point device
  - ☐ Fixed point-to-point access points device
  - ☐ Client device

## 1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792 People's Republic of China.

BTL's Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

## 1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. Radiated emissions test:

| Test Site       | Method | Measurement Frequency Range | U,(dB) |
|-----------------|--------|-----------------------------|--------|
| DG-CB03<br>(3m) | CISPR  | 1GHz ~ 6GHz                 | 3.80   |
|                 |        | 6GHz ~ 18GHz                | 4.82   |

| Test Site       | Method | Measurement Frequency Range | U,(dB) |
|-----------------|--------|-----------------------------|--------|
| DG-CB03<br>(1m) | CISPR  | 18 ~ 26.5 GHz               | 3.62   |
|                 |        | 26.5 ~ 40 GHz               | 4.00   |

### B. Other Measurement test:

| Test Item              | Uncertainty |
|------------------------|-------------|
| Bandwidth              | ±3.8 %      |
| Maximum Output Power   | ±0.95 dB    |
| Power Spectral Density | ±0.86 dB    |
| Frequency Stability    | ±0.16 dB    |
| Temperature            | ±0.08 °C    |
| Humidity               | ±1.5%       |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 1.3 TEST ENVIRONMENT CONDITIONS

| Test Item                         | Temperature      | Humidity | Test Voltage     | Tested By   |
|-----------------------------------|------------------|----------|------------------|-------------|
| Radiated Emissions-Above 1000 MHz | 22°C             | 58%      | AC 120V/60Hz     | Chen Mo     |
| Bandwidth                         | 24°C             | 65%      | DC 12V           | Silly Zheng |
| Maximum Output Power              | 22.8°C           | 56.4%    | DC 12V           | Complex Qin |
| Power Spectral Density            | 24°C             | 65%      | DC 12V           | Silly Zheng |
| Frequency Stability               | Normal & Extreme | 65%      | Normal & Extreme | Silly Zheng |

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|                                                 |                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                                       | Wireless Router                                                                                                                                                                                                                                                            |
| Brand Name                                      | FiberHome                                                                                                                                                                                                                                                                  |
| Test Model                                      | SR1041F                                                                                                                                                                                                                                                                    |
| Series Model                                    | N/A                                                                                                                                                                                                                                                                        |
| Model Difference(s)                             | N/A                                                                                                                                                                                                                                                                        |
| Power Source                                    | DC voltage supplied from AC adapter.<br>1# Model: RD1201000-C55-35MGD<br>2# Model: KL-WA120100-D                                                                                                                                                                           |
| Power Rating                                    | 1# I/P: 100-240V~ 50/60Hz 0.6A MAX O/P: 12V  1.0A<br>2# I/P: 100-240V~ 50/60Hz 0.5A O/P: 12.0V  1.0A |
| Operation Frequency Band(s)                     | UNII-2C: 5470 MHz ~ 5725 MHz                                                                                                                                                                                                                                               |
| Modulation Type                                 | IEEE 802.11a/n/ac: OFDM<br>IEEE 802.11ax: OFDMA                                                                                                                                                                                                                            |
| Bit Rate of Transmitter                         | IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps<br>IEEE 802.11n: up to 300 Mbps<br>IEEE 802.11ac: up to 866.7 Mbps<br>IEEE 802.11ax: up to 2402 Mbps                                                                                                                              |
| Maximum Output Power<br>UNII-2C Non Beamforming | IEEE 802.11ax(HE160): 16.75 dBm (0.0473 W)                                                                                                                                                                                                                                 |
| Maximum Output Power<br>UNII-2C Beamforming     | IEEE 802.11ax(HE160): 16.24 dBm (0.0421 W)                                                                                                                                                                                                                                 |

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

#### 2. Channel List:

| IEEE 802.11a<br>IEEE 802.11n(HT20)<br>IEEE 802.11ac(VHT20)<br>IEEE 802.11ax(HE20) |                 | IEEE 802.11n(HT40)<br>IEEE 802.11ac(VHT40)<br>IEEE 802.11ax(HE40) |                 | IEEE 802.11ac(VHT80)<br>IEEE 802.11ax(HE80) |                 |
|-----------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------|-----------------|---------------------------------------------|-----------------|
| UNII-2C                                                                           |                 | UNII-2C                                                           |                 | UNII-2C                                     |                 |
| Channel                                                                           | Frequency (MHz) | Channel                                                           | Frequency (MHz) | Channel                                     | Frequency (MHz) |
| 100                                                                               | 5500            | 102                                                               | 5510            | 106                                         | 5530            |
| 104                                                                               | 5520            | 110                                                               | 5550            | 122                                         | 5610            |
| 108                                                                               | 5540            | 118                                                               | 5590            |                                             |                 |
| 112                                                                               | 5560            | 126                                                               | 5630            |                                             |                 |
| 116                                                                               | 5580            | 134                                                               | 5670            |                                             |                 |
| 120                                                                               | 5600            |                                                                   |                 |                                             |                 |
| 124                                                                               | 5620            |                                                                   |                 |                                             |                 |
| 128                                                                               | 5640            |                                                                   |                 |                                             |                 |
| 132                                                                               | 5660            |                                                                   |                 |                                             |                 |
| 136                                                                               | 5680            |                                                                   |                 |                                             |                 |
| 140                                                                               | 5700            |                                                                   |                 |                                             |                 |

| IEEE 802.11ax(HE160) |                 |
|----------------------|-----------------|
| Channel              | Frequency (MHz) |
| 114                  | 5570            |

### 3. Antenna Specification:

| Ant. | Brand                                                                             | Model Name    | Antenna Type | Connector | Gain (dBi) |
|------|-----------------------------------------------------------------------------------|---------------|--------------|-----------|------------|
| 1    |  | RFB1605CBB01C | Dipole       | IPEX      | 5.23       |
| 2    |  | RFB1605CBB01D | Dipole       | IPEX      | 5.25       |
| 3    |  | RFB1605CBB01E | Dipole       | IPEX      | 5.29       |

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, so Directional gain= $10\log[(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2/N]$  dBi, that is Directional gain= $10\log[(10^{5.23/20}+10^{5.25/20}+10^{5.29/20})^2/3]$  dBi =10.03. So, the UNII-2C output power limit is 23.98-(10.03-6)=19.95. The UNII-2C power spectral density limit is 11-(10.03-6)=6.97.
- 2) Beamforming Gain: 4.7 dB. That is Directional gain=4.7+5.29=9.99. So, the UNII-2C output power limit is 23.98-(9.99-6)=19.99.
- 3) The antenna gain and beamforming gain are provided by the manufacturer.
- 4) The EUT is 3T3R, but only NSS2 is supported.

### 4. Table for Antenna Configuration:

For Non Beamforming:

| Operating Mode<br>TX Mode | 1TX        | 3TX                      |
|---------------------------|------------|--------------------------|
| IEEE 802.11a              | V (Ant. 1) | -                        |
| IEEE 802.11n(HT20)        | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11n(HT40)        | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ac(VHT20)      | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ac(VHT40)      | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ac(VHT80)      | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE20)       | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE40)       | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE80)       | -          | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE160)      | -          | V (Ant. 1+Ant. 2+Ant. 3) |

For Beamforming:

| Operating Mode<br>TX Mode | 3TX                      |
|---------------------------|--------------------------|
| IEEE 802.11n(HT20)        | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11n(HT40)        | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ac(VHT20)      | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ac(VHT40)      | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ac(VHT80)      | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE20)       | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE40)       | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE80)       | V (Ant. 1+Ant. 2+Ant. 3) |
| IEEE 802.11ax(HE160)      | V (Ant. 1+Ant. 2+Ant. 3) |

## 2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description                                     |
|--------------|-------------------------------------------------|
| Mode 1       | TX A Mode Channel 100/116/140 (UNII-2C)         |
| Mode 2       | TX N(HT20) Mode Channel 100/116/140 (UNII-2C)   |
| Mode 3       | TX N(HT40) Mode Channel 102/110/134 (UNII-2C)   |
| Mode 4       | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 5       | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 6       | TX AC(VHT80) Mode Channel 106/122 (UNII-2C)     |
| Mode 7       | TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)  |
| Mode 8       | TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)  |
| Mode 9       | TX AX(HE80) Mode Channel 106/122 (UNII-2C)      |
| Mode 10      | TX AX(HE160) Mode Channel 114 (UNII-2C)         |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| Radiated Emissions Test - Above 1GHz_Non Beamforming |                                                 |
|------------------------------------------------------|-------------------------------------------------|
| Final Test Mode                                      | Description                                     |
| Mode 1                                               | TX A Mode Channel 100/116/140 (UNII-2C)         |
| Mode 4                                               | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 5                                               | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 6                                               | TX AC(VHT80) Mode Channel 106/122 (UNII-2C)     |
| Mode 7                                               | TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)  |
| Mode 8                                               | TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)  |
| Mode 9                                               | TX AX(HE80) Mode Channel 106/122 (UNII-2C)      |
| Mode 10                                              | TX AX(HE160) Mode Channel 114 (UNII-2C)         |

| Maximun Output Power Test_Non Beamforming |                                                 |
|-------------------------------------------|-------------------------------------------------|
| Final Test Mode                           | Description                                     |
| Mode 1                                    | TX A Mode Channel 100/116/140 (UNII-2C)         |
| Mode 2                                    | TX N(HT20) Mode Channel 100/116/140 (UNII-2C)   |
| Mode 3                                    | TX N(HT40) Mode Channel 102/110/134 (UNII-2C)   |
| Mode 4                                    | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 5                                    | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 6                                    | TX AC(VHT80) Mode Channel 106/122 (UNII-2C)     |
| Mode 7                                    | TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)  |
| Mode 8                                    | TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)  |
| Mode 9                                    | TX AX(HE80) Mode Channel 106/122 (UNII-2C)      |
| Mode 10                                   | TX AX(HE160) Mode Channel 114 (UNII-2C)         |

| Maximun Output Power Test_Beamforming |                                                 |
|---------------------------------------|-------------------------------------------------|
| Final Test Mode                       | Description                                     |
| Mode 2                                | TX N(HT20) Mode Channel 100/116/140 (UNII-2C)   |
| Mode 3                                | TX N(HT40) Mode Channel 102/110/134 (UNII-2C)   |
| Mode 4                                | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 5                                | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 6                                | TX AC(VHT80) Mode Channel 106/122 (UNII-2C)     |
| Mode 7                                | TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)  |
| Mode 8                                | TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)  |
| Mode 9                                | TX AX(HE80) Mode Channel 106/122 (UNII-2C)      |
| Mode 10                               | TX AX(HE160) Mode Channel 114 (UNII-2C)         |

| Other Conducted Test_Non Beamforming |                                                 |
|--------------------------------------|-------------------------------------------------|
| Final Test Mode                      | Description                                     |
| Mode 1                               | TX A Mode Channel 100/116/140 (UNII-2C)         |
| Mode 4                               | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 5                               | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 6                               | TX AC(VHT80) Mode Channel 106/122 (UNII-2C)     |
| Mode 7                               | TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)  |
| Mode 8                               | TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)  |
| Mode 9                               | TX AX(HE80) Mode Channel 106/122 (UNII-2C)      |
| Mode 10                              | TX AX(HE160) Mode Channel 114 (UNII-2C)         |

Note:

- (1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11ac(VHT20) mode, IEEE 802.11ac(VHT40) mode, IEEE 802.11ac(VHT80) mode, IEEE 802.11ax(HE20) mode, IEEE 802.11ax(HE40) mode, IEEE 802.11ax(HE80) mode and IEEE 802.11ax(HE160) mode, only the worst cases are documented for other test items.
- (4) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
- (5) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
- (6) For radiated emission above 1 GHz test: The polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

## 2.3 PARAMETERS OF TEST SOFTWARE

### Non Beamforming

| UNII-2C               |                     |      |      |
|-----------------------|---------------------|------|------|
| Test Software Version | QATool_Dbg 0.0.2.73 |      |      |
| Frequency (MHz)       | 5500                | 5580 | 5700 |
| IEEE 802.11a          | 9                   | 9    | 9.5  |
| IEEE 802.11n(HT20)    | 8.5                 | 8    | 8    |
| IEEE 802.11ac(VHT20)  | 8.5                 | 8    | 8    |
| IEEE 802.11ax(HE20)   | 11                  | 10.5 | 10.5 |
| Frequency (MHz)       | 5510                | 5550 | 5670 |
| IEEE 802.11n(HT40)    | 8.5                 | 8.5  | 8.5  |
| IEEE 802.11ac(VHT40)  | 8.5                 | 8.5  | 8.5  |
| IEEE 802.11ax(HE40)   | 10.5                | 10.5 | 10.5 |
| Frequency (MHz)       | 5530                | 5610 |      |
| IEEE 802.11ac(VHT80)  | 10                  | 9.5  |      |
| IEEE 802.11ax(HE80)   | 11                  | 10.5 |      |
| Frequency (MHz)       | 5570                |      |      |
| IEEE 802.11ax(HE160)  | 13                  |      |      |

### Beamforming

| UNII-2C               |                     |      |      |
|-----------------------|---------------------|------|------|
| Test Software Version | QATool_Dbg 0.0.2.73 |      |      |
| Frequency (MHz)       | 5500                | 5580 | 5700 |
| IEEE 802.11n(HT20)    | 8.5                 | 8    | 8    |
| IEEE 802.11ac(VHT20)  | 8                   | 7.5  | 7.5  |
| IEEE 802.11ax(HE20)   | 10.5                | 10   | 10   |
| Frequency (MHz)       | 5510                | 5550 | 5670 |
| IEEE 802.11n(HT40)    | 8.5                 | 8    | 8    |
| IEEE 802.11ac(VHT40)  | 8                   | 8    | 8    |
| IEEE 802.11ax(HE40)   | 10                  | 10   | 10   |
| Frequency (MHz)       | 5530                | 5610 |      |
| IEEE 802.11ac(VHT80)  | 9.5                 | 9    |      |
| IEEE 802.11ax(HE80)   | 10.5                | 10   |      |
| Frequency (MHz)       | 5570                |      |      |
| IEEE 802.11ax(HE160)  | 12.5                |      |      |

## 2.4 DUTY CYCLE

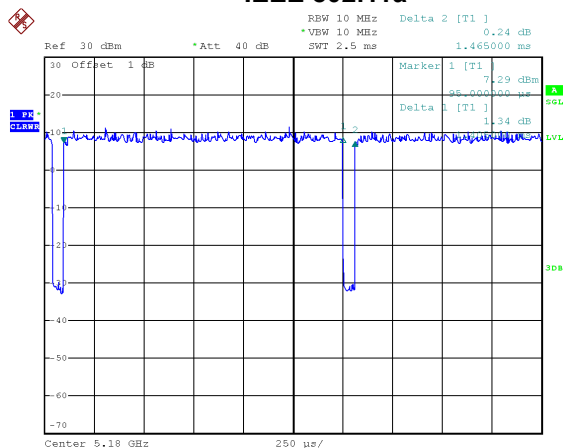
If duty cycle is  $\geq 98\%$ , duty factor is not required.

If duty cycle is  $< 98\%$ , duty factor shall be considered.

The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.

### IEEE 802.11a

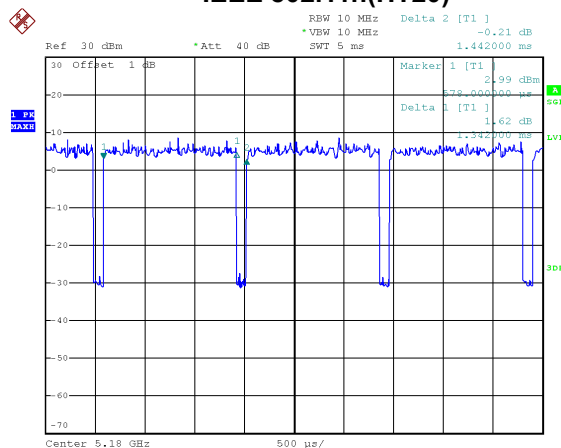


Date: 11.MAY.2022 17:19:36

Duty cycle = 1.405 ms / 1.465 ms = 95.90%

Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.18$

### IEEE 802.11n(HT20)

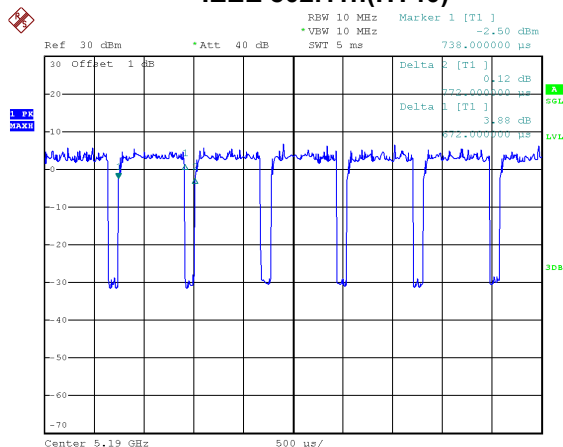


Date: 16.MAY.2022 16:33:18

Duty cycle = 1.342 ms / 1.442 ms = 93.07%

Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.31$

### IEEE 802.11n(HT40)

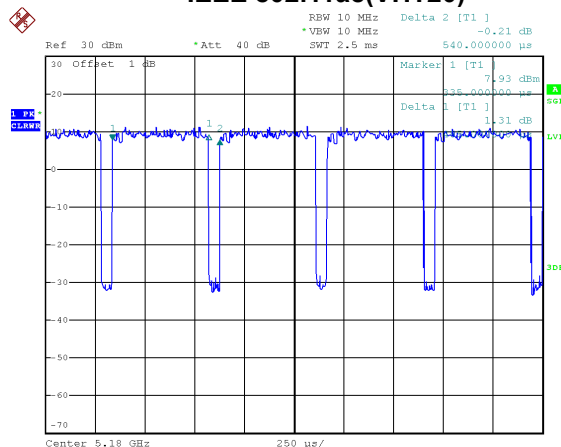


Date: 16.MAY.2022 16:34:43

Duty cycle = 0.672 ms / 0.738 ms = 91.06%

Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.41$

### IEEE 802.11ac(VHT20)

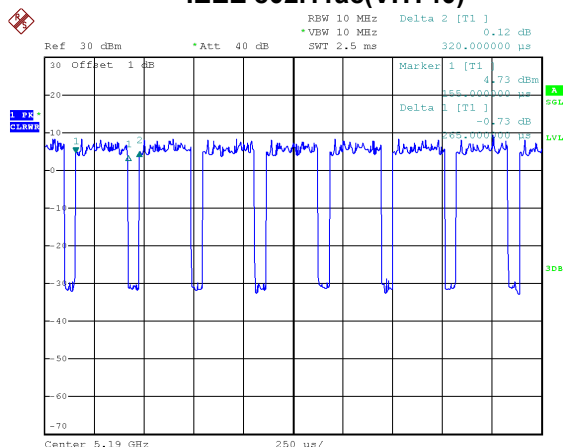


Date: 11.MAY.2022 17:19:58

Duty cycle = 0.485 ms / 0.540 ms = 89.81%

Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.47$

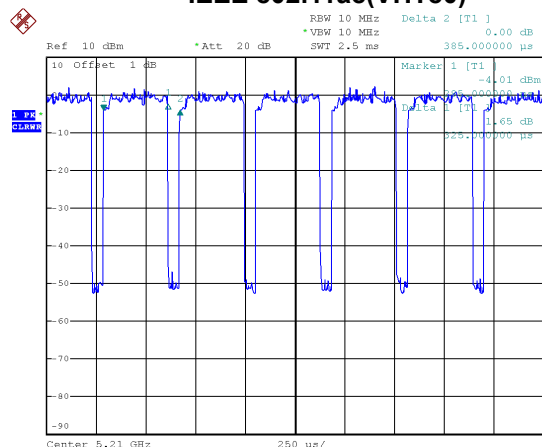
## IEEE 802.11ac(VHT40)



Date: 11.MAY.2022 17:21:22

Duty cycle = 0.265 ms / 0.320 ms = 82.81%  
Duty Factor = 10 log(1 / Duty cycle) = 0.82

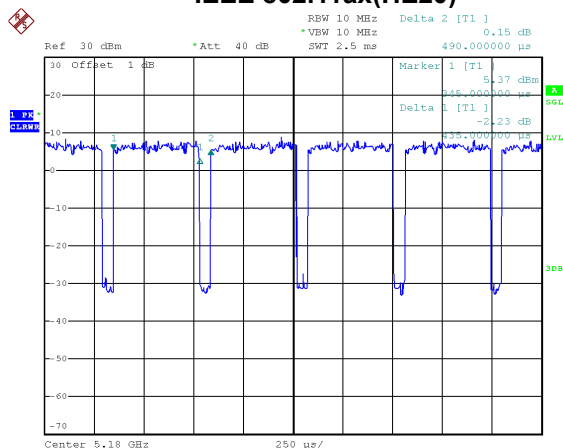
## IEEE 802.11ac(VHT80)



Date: 15.MAY.2022 14:41:29

Duty cycle = 0.325 ms / 0.385 ms = 84.42%  
Duty Factor = 10 log(1 / Duty cycle) = 0.74

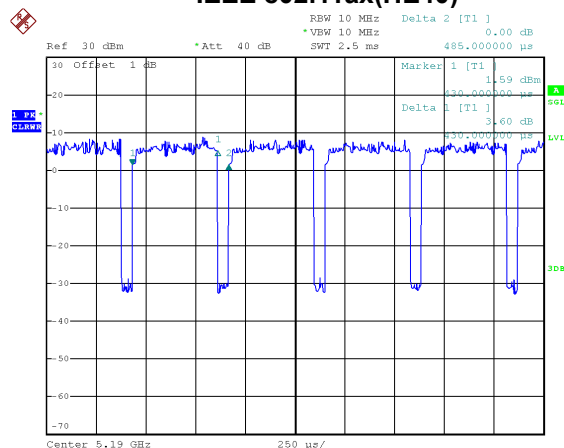
## IEEE 802.11ax(HE20)



Date: 11.MAY.2022 17:27:00

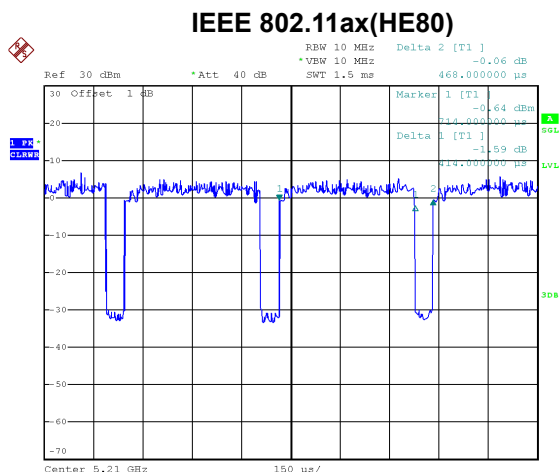
Duty cycle = 0.435 ms / 0.490 ms = 88.78%  
Duty Factor = 10 log(1 / Duty cycle) = 0.52

## IEEE 802.11ax(HE40)



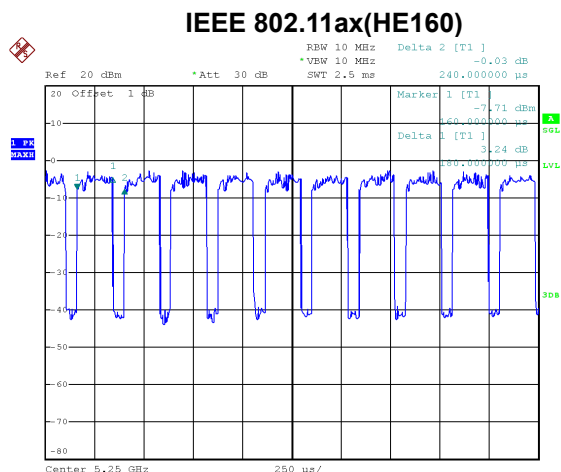
Date: 11.MAY.2022 17:27:25

Duty cycle = 0.430 ms / 0.485 ms = 88.66%  
Duty Factor = 10 log(1 / Duty cycle) = 0.52



Date: 11.MAY.2022 17:28:39

Duty cycle = 0.414 ms / 0.468 ms = 88.46%  
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.53$



Date: 20.MAY.2022 00:26:15

Duty cycle = 0.180 ms / 0.240 ms = 75.00%  
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 1.25$

## NOTE:

For IEEE 802.11a:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 712 Hz (Duty cycle < 98%).

For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 745 Hz (Duty cycle < 98%).

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1488 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2062 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3774 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3077 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2299 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2326 Hz (Duty cycle < 98%).

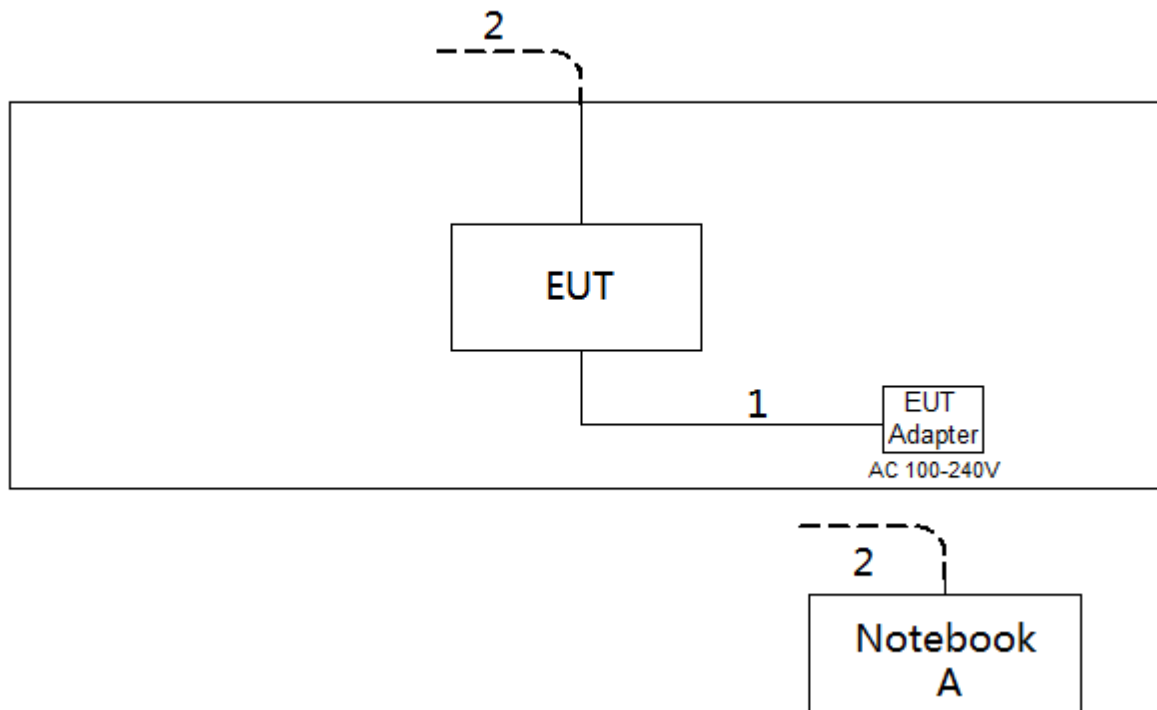
For IEEE 802.11ax(HE80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2415 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 5556 Hz (Duty cycle < 98%).

## 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



## 2.6 SUPPORT UNITS

| Item | Equipment | Brand | Model No.        | Series No. |
|------|-----------|-------|------------------|------------|
| A    | Notebook  | Dell  | Inspiron 15-7559 | N/A        |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| 1    | DC Cable   | NO            | NO           | 1.5m   |
| 2    | RJ45 Cable | NO            | NO           | 10m    |

### 3. AC POWER LINE CONDUCTED EMISSIONS

#### 3.1 LIMIT

| Frequency<br>(MHz) | Limit (dBμV) |           |
|--------------------|--------------|-----------|
|                    | Quasi-peak   | Average   |
| 0.15 - 0.5         | 66 to 56*    | 56 to 46* |
| 0.5 - 5.0          | 56           | 46        |
| 5.0 - 30.0         | 60           | 50        |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

#### 3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

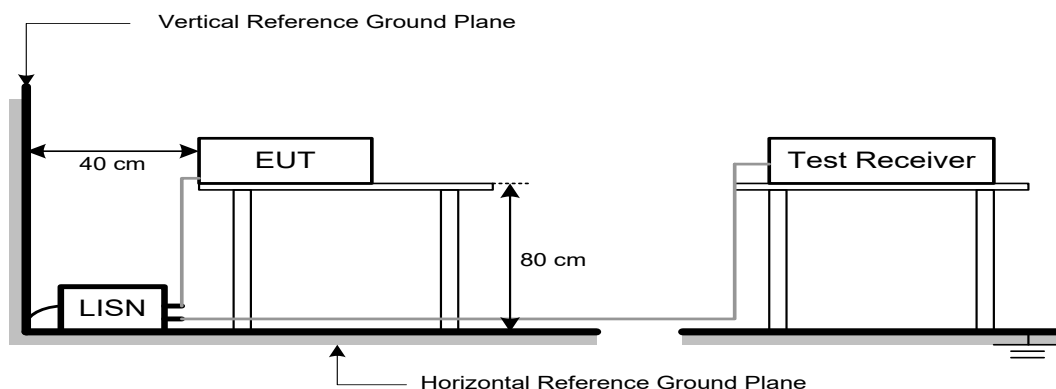
The following table is the setting of the receiver:

| Receiver Parameter | Setting  |
|--------------------|----------|
| Start Frequency    | 0.15 MHz |
| Stop Frequency     | 30 MHz   |
| IF Bandwidth       | 9 kHz    |

#### 3.3 DEVIATION FROM TEST STANDARD

No deviation

### 3.4 TEST SETUP



### 3.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

### 3.6 TEST RESULTS

Please refer to the APPENDIX A.

## 4. RADIATED EMISSIONS

### 4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

#### LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009-0.490     | 2400/F(kHz)                       | 300                           |
| 0.490-1.705     | 24000/F(kHz)                      | 30                            |
| 1.705-30.0      | 30                                | 30                            |
| 30-88           | 100                               | 3                             |
| 88-216          | 150                               | 3                             |
| 216-960         | 200                               | 3                             |
| Above 960       | 500                               | 3                             |

#### LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

| Frequency (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dBμV/m) |
|-----------------|----------------------|------------------------------------------|
| 5470-5725       | -27                  | 68.2                                     |

#### NOTE:

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

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

## 4.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.  
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

| Spectrum Parameters    | Setting                         |
|------------------------|---------------------------------|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz    |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz   |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz |

| Spectrum Parameters                        | Setting                                                    |
|--------------------------------------------|------------------------------------------------------------|
| Start Frequency                            | 1000 MHz                                                   |
| Stop Frequency                             | 10th carrier harmonic or 40 GHz, whichever is lower        |
| RBW / VBW<br>(Emission in restricted band) | 1 MHz / 3 MHz for PK value<br>1 MHz / 1/T Hz for AVG value |

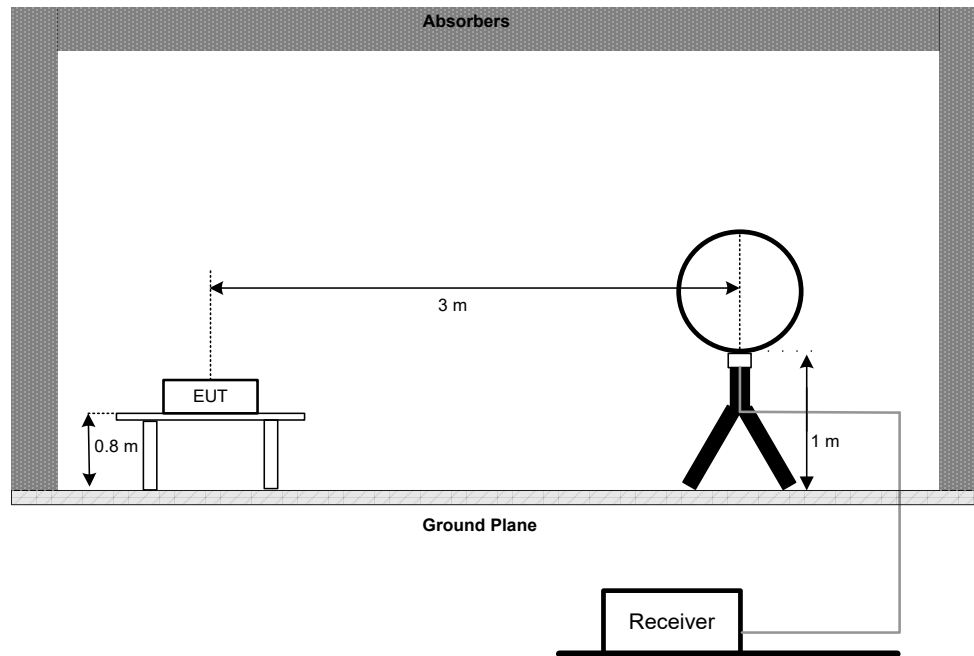
| Receiver Parameters    | Setting                             |
|------------------------|-------------------------------------|
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector    |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector      |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector      |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector     |
| Start ~ Stop Frequency | 1 GHz~40 GHz for PK/AVG detector    |

## 4.3 DEVIATION FROM TEST STANDARD

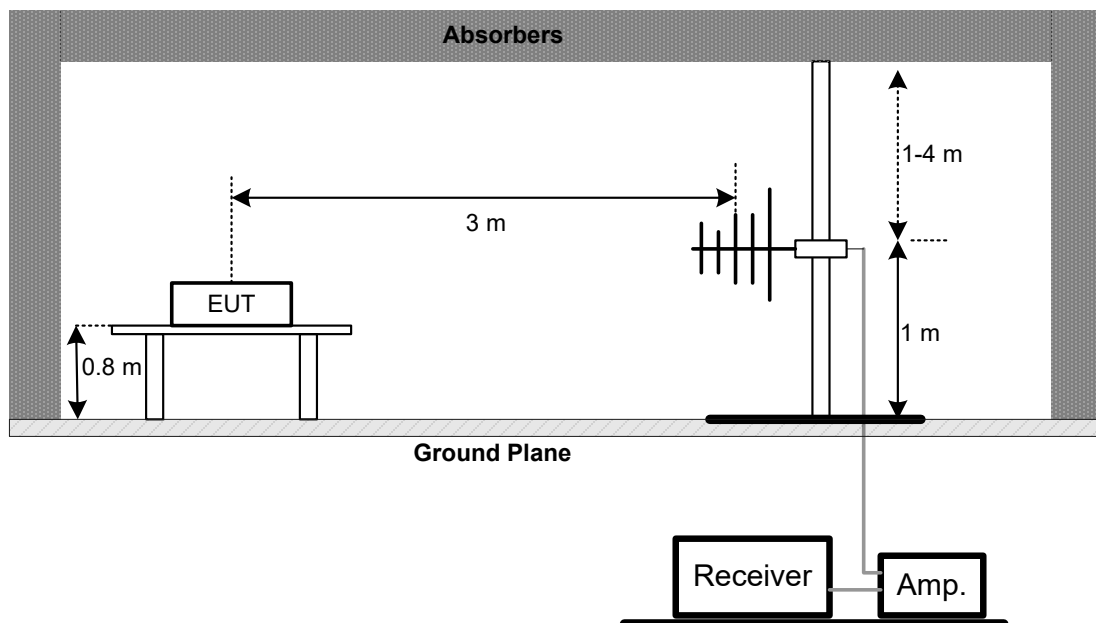
No deviation.

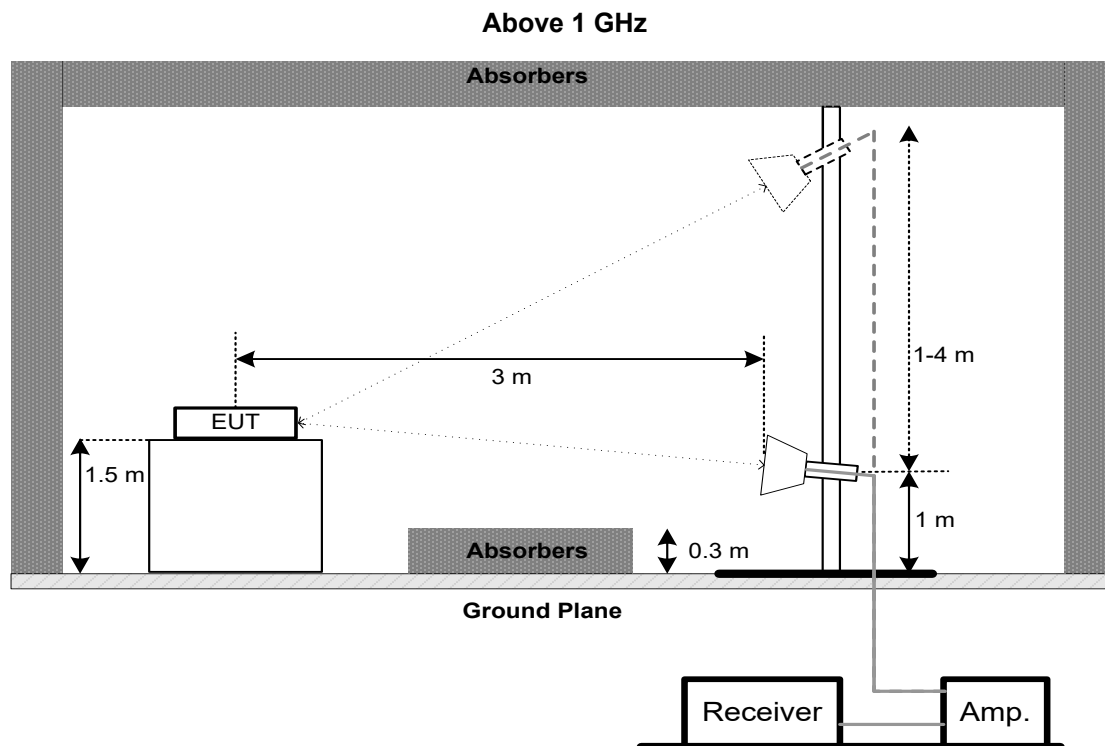
## 4.4 TEST SETUP

### 9 kHz to 30 MHz



### 30 MHz to 1 GHz





#### 4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

#### 4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

#### 4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

#### 4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 5. BANDWIDTH

### 5.1 LIMIT

| Section       | Test Item       | Limit | Frequency Range (MHz) |
|---------------|-----------------|-------|-----------------------|
| FCC 15.407(a) | 26 dB Bandwidth | -     | 5470-5725             |

### 5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below

b. Spectrum Setting:

For UNII-2C:

| Spectrum Parameter | Setting                                      |
|--------------------|----------------------------------------------|
| Span Frequency     | > 26 dB Bandwidth                            |
| RBW                | Appromiximately 1% of the emission bandwidth |
| VBW                | > RBW                                        |
| Detector           | Peak                                         |
| Trace              | Max Hold                                     |
| Sweep Time         | Auto                                         |

For 99% Occupied Bandwidth:

| Spectrum Parameter | Setting                      |
|--------------------|------------------------------|
| Span Frequency     | 1.5 times to 5 times the OBW |
| RBW                | 1% to 5% of the OBW          |
| VBW                | $\geq 3 \times \text{RBW}$   |
| Detector           | Peak                         |
| Trace              | Max Hold                     |
| Sweep Time         | Auto                         |

c. Measured the spectrum width with power higher than 26 dB below carrier.

### 5.3 DEVIATION FROM STANDARD

No deviation.

### 5.4 TEST SETUP



### 5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 5.6 TEST RESULTS

Please refer to the APPENDIX E.

## 6. MAXIMUN OUTPUT POWER

### 6.1 LIMIT

| Section       | Test Item            | Limit              | Frequency Range (MHz) |
|---------------|----------------------|--------------------|-----------------------|
| FCC 15.407(a) | Maximum Output Power | 250 mW (23.98 dBm) | 5470-5725             |

Note:

- 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 26dB Bandwidth in megahertz.

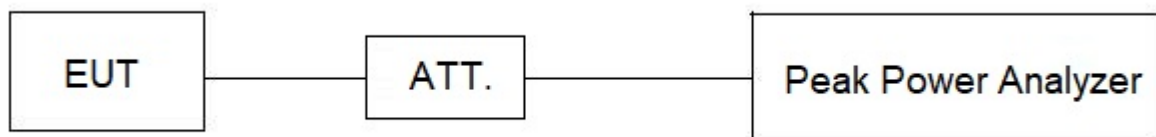
### 6.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 6.6 TEST RESULTS

Please refer to the APPENDIX F.

## 7. POWER SPECTRAL DENSITY

### 7.1 LIMIT

| Section       | Test Item              | Limit      | Frequency Range (MHz) |
|---------------|------------------------|------------|-----------------------|
| FCC 15.407(a) | Power Spectral Density | 11 dBm/MHz | 5470-5725             |

### 7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:  
For UNII-2C:

| Spectrum Parameter | Setting                                                      |
|--------------------|--------------------------------------------------------------|
| Span Frequency     | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                | 1 MHz.                                                       |
| VBW                | 3 MHz.                                                       |
| Detector           | RMS                                                          |
| Trace average      | 100 trace                                                    |
| Sweep Time         | Auto                                                         |

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 7.6 TEST RESULTS

Please refer to the APPENDIX G.

## 8. FREQUENCY STABILITY

### 8.1 LIMIT

| Section       | Test Item           | Limit                                                                                                                             | Frequency Range (MHz) |
|---------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| FCC 15.407(g) | Frequency Stability | An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual. | 5470-5725             |

### 8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting:

| Spectrum Parameter | Setting                                          |
|--------------------|--------------------------------------------------|
| Span Frequency     | Entire absence of modulation emissions bandwidth |
| RBW                | 10 kHz                                           |
| VBW                | 10 kHz                                           |
| Detector           | Peak                                             |
| Trace              | Max Hold                                         |
| Sweep Time         | Auto                                             |

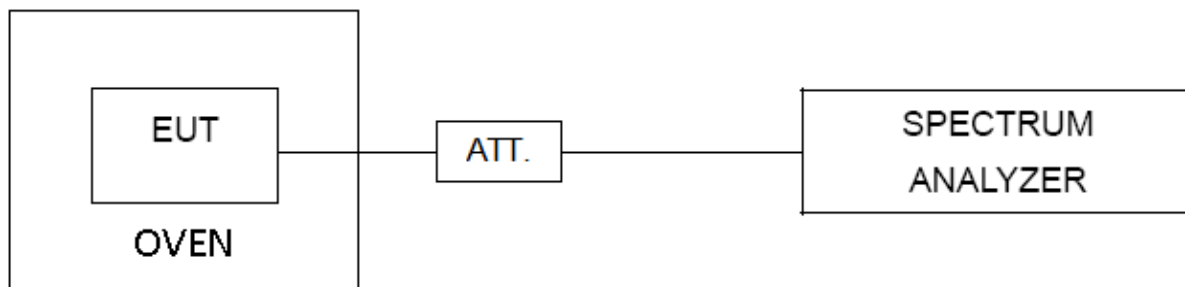
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -5°C~45°C.

### 8.3 DEVIATION FROM STANDARD

No deviation.

### 8.4 TEST SETUP



### 8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 8.6 TEST RESULTS

Please refer to the APPENDIX H.

## 9. MEASUREMENT INSTRUMENTS LIST

| Radiated Emissions - Above 1 GHz |                            |                  |                       |             |                                |
|----------------------------------|----------------------------|------------------|-----------------------|-------------|--------------------------------|
| Item                             | Kind of Equipment          | Manufacturer     | Type No.              | Serial No.  | Calibrated until               |
| 1                                | Double Ridged Horn Antenna | ARA              | DRG-118A              | 16554       | Apr. 18, 2023                  |
| 2                                | Broad-Band Horn Antenna    | Schwarzbeck      | BBHA 9170             | 9170319     | May 27, 2023                   |
| 3                                | Amplifier                  | Agilent          | 8449B                 | 3008A02584  | Jul. 03, 2023                  |
| 4                                | Controller                 | CT               | SC100                 | N/A         | N/A                            |
| 5                                | Controller                 | MF               | MF-7802               | MF780208416 | N/A                            |
| 6                                | Receiver                   | Agilent          | N9038A                | MY52130039  | Jan. 22, 2023                  |
| 7                                | EXA Spectrum Analyzer      | Keysight         | N9010A                | MY56480488  | Jan. 22, 2023                  |
| 8*                               | Low Noise Amplifier        | CONNPHY          | CLN-18G40G-4330-K     | 619413      | Jul. 16, 2023                  |
| 9                                | Cable                      | Talent microwave | A81-SMAMSMAM-12.5M    | N/A         | Oct. 15, 2022                  |
| 10                               | Cable                      | Talent microwave | A40-2.92M2.92M-2.5M   | N/A         | Nov. 30, 2022                  |
| 11*                              | Band Reject Filter         | Micro-Tronics    | BRC50704-01           | 8           | Feb. 27, 2024                  |
| 12                               | Measurement Software       | Farad            | EZ-EMC Ver.NB-03A1-01 | N/A         | N/A                            |
| 13                               | 966 Chamber Room           | RM               | 9*6*6                 | N/A         | Jul. 24, 2022<br>Jul. 25, 2023 |

| Bandwidth & Power Spectral Density |                   |              |          |            |                  |
|------------------------------------|-------------------|--------------|----------|------------|------------------|
| Item                               | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1                                  | Spectrum Analyzer | R&S          | FSP40    | 100185     | Jul. 03, 2023    |
| 2                                  | Attenuator        | WOKEN        | 6SM3502  | VAS1214NL  | N/A              |
| 3                                  | RF Cable          | Tongkaichuan | N/A      | N/A        | N/A              |
| 4                                  | DC Block          | Mini         | N/A      | N/A        | N/A              |

| Maximum Output Power |                       |              |          |            |                  |
|----------------------|-----------------------|--------------|----------|------------|------------------|
| Item                 | Kind of Equipment     | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1                    | Peak Power Analyzer   | Keysight     | 8990B    | MY51000506 | Jul. 03, 2023    |
| 2                    | Wideband power sensor | Keysight     | N1923A   | MY58310004 | Jul. 03, 2023    |
| 3                    | Attenuator            | WOKEN        | 6SM3502  | VAS1214NL  | N/A              |
| 4                    | RF Cable              | Tongkaichuan | N/A      | N/A        | N/A              |

| Frequency Stability |                       |              |              |            |                  |
|---------------------|-----------------------|--------------|--------------|------------|------------------|
| Item                | Kind of Equipment     | Manufacturer | Type No.     | Serial No. | Calibrated until |
| 1                   | Spectrum Analyzer     | R&S          | FSP40        | 100185     | Jul. 03, 2023    |
| 2                   | Precision Oven Tester | CEPREI       | CEEC-M64T-40 | 15-008     | Jan. 22, 2023    |
| 3                   | Attenuator            | WOKEN        | 6SM3502      | VAS1214NL  | N/A              |
| 4                   | RF Cable              | Tongkaichuan | N/A          | N/A        | N/A              |
| 5                   | DC Block              | Mini         | N/A          | N/A        | N/A              |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

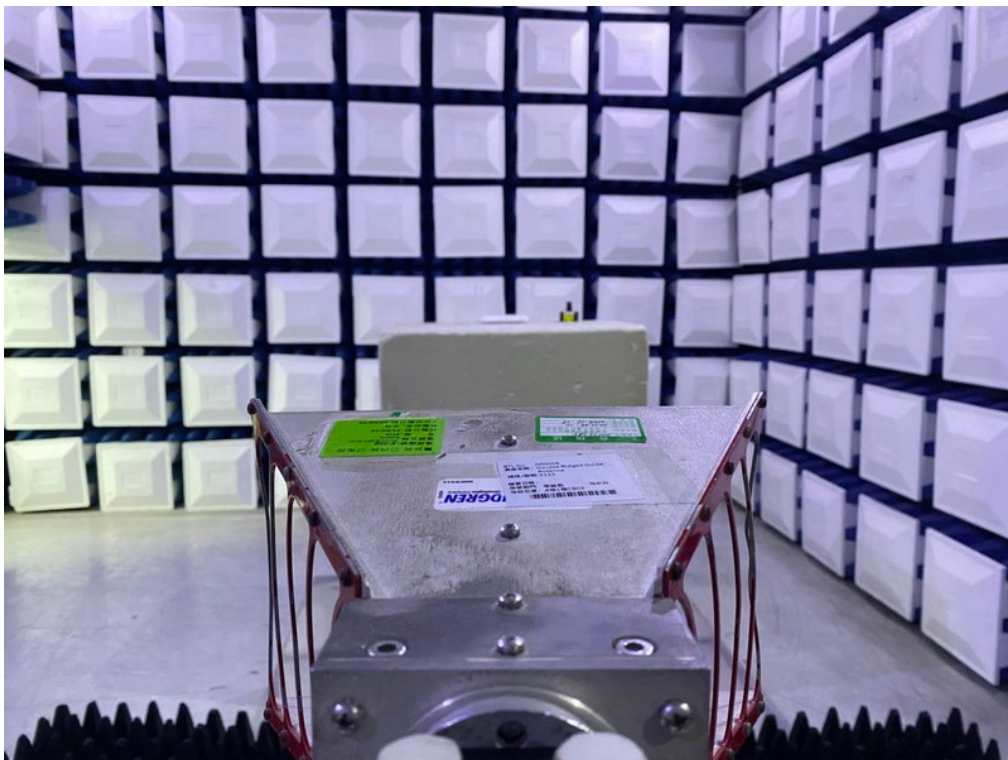
"\*\*" calibration period of equipment list is three year.

Except \* item, all calibration period of equipment list is one year.

## 10. EUT TEST PHOTOS

### Radiated Emissions Test Photos

#### Above 1 GHz



## Conducted Test Photos



## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

**Test Mode: PASS**

Note: Test results please refer to original report(BTL-FCCP-2-2204C161).

## **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**

**Test Mode: PASS**

Note: Test results please refer to original report(BTL-FCCP-2-2204C161).

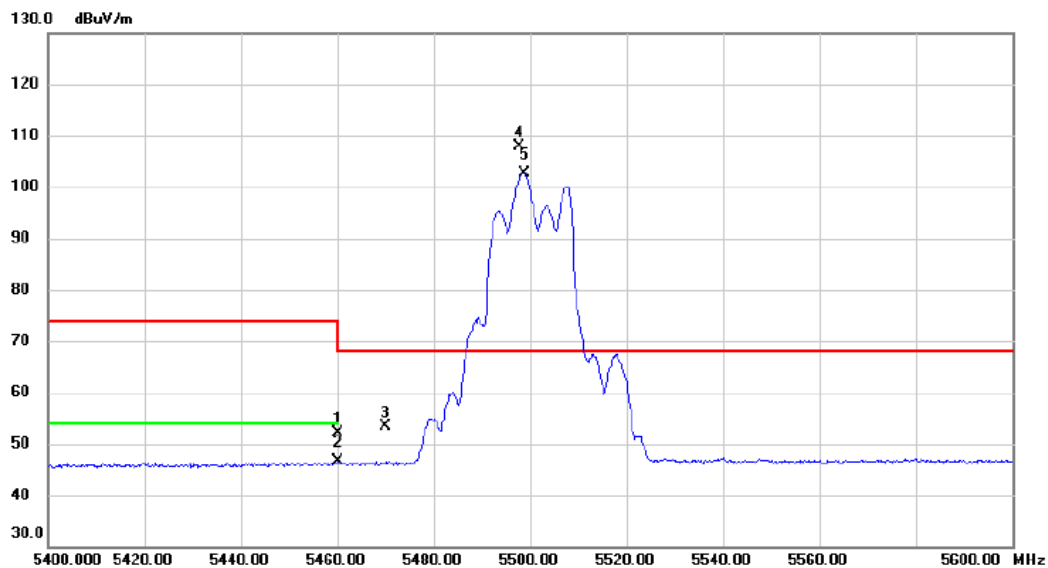
## **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**

**Test Mode: N/A**

Note: Test results please refer to original report(BTL-FCCP-2-2204C161).

## **APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ**

|           |                            |              |          |
|-----------|----------------------------|--------------|----------|
| Test Mode | UNII-2C_TX A Mode 5500 MHz | Polarization | Vertical |
|-----------|----------------------------|--------------|----------|



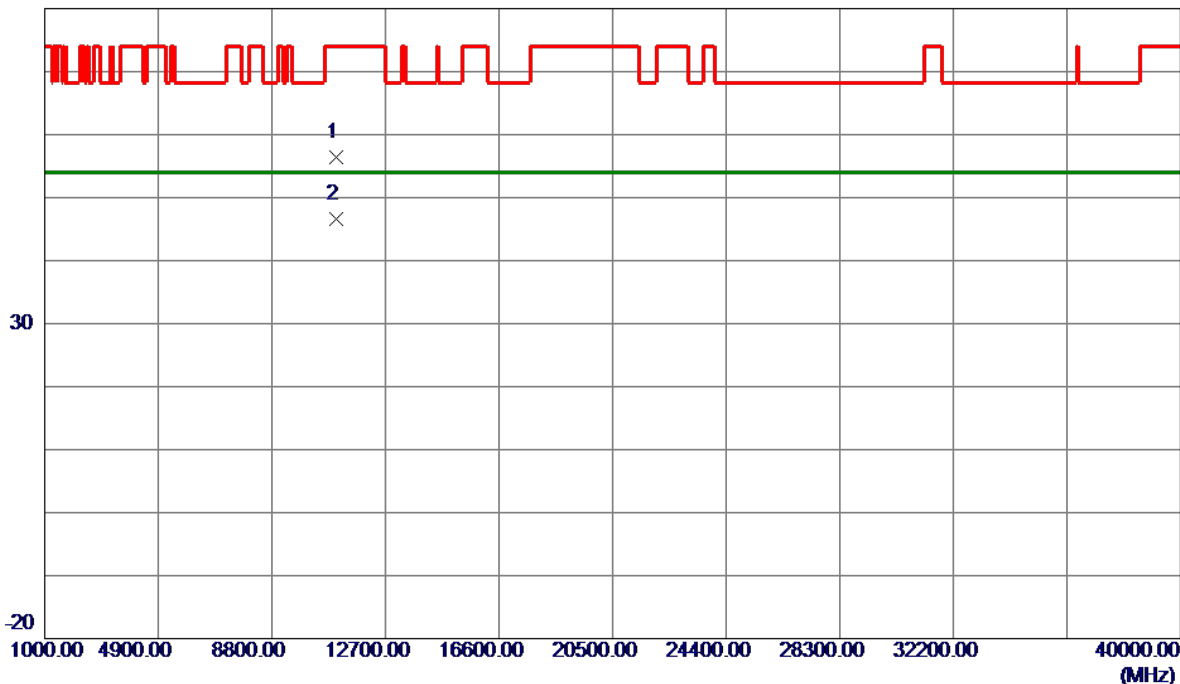
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5460.000     | 36.35                    | 15.69                   | 52.04                      | 74.00           | -21.96       | peak     |          |
| 2   |     | 5460.000     | 30.94                    | 15.69                   | 46.63                      | 54.00           | -7.37        | AVG      |          |
| 3   |     | 5470.000     | 37.67                    | 15.70                   | 53.37                      | 68.20           | -14.83       | peak     |          |
| 4   | *   | 5497.600     | 92.10                    | 15.77                   | 107.87                     | 68.20           | 39.67        | peak     | No Limit |
| 5   | X   | 5498.800     | 86.95                    | 15.77                   | 102.72                     | 68.20           | 34.52        | AVG      | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |          |
|-----------|----------------------------|--------------|----------|
| Test Mode | UNII-2C_TX A Mode 5500 MHz | Polarization | Vertical |
|-----------|----------------------------|--------------|----------|

80 dBuV/m



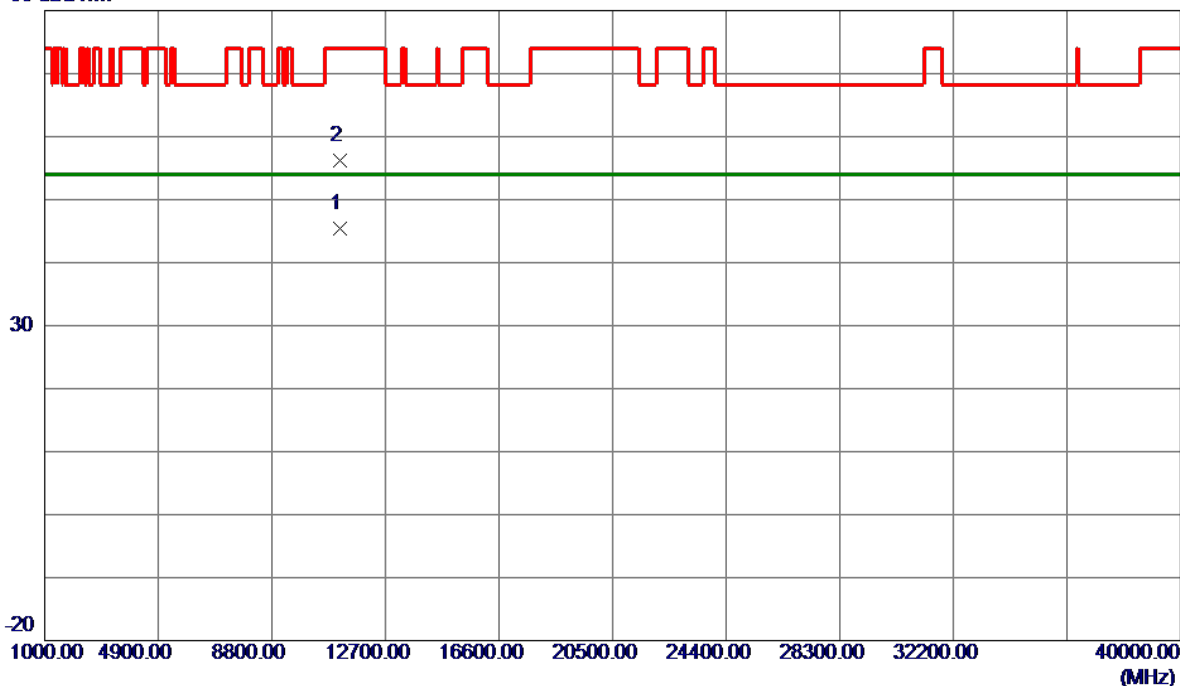
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 10997.7400   | 44.11                      | 12.24                   | 56.35                     | 74.00           | -17.65       | Peak     |         |
| 2 * | 10998.5400   | 34.38                      | 12.24                   | 46.62                     | 54.00           | -7.38        | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |          |
|-----------|----------------------------|--------------|----------|
| Test Mode | UNII-2C_TX A Mode 5580 MHz | Polarization | Vertical |
|-----------|----------------------------|--------------|----------|

80 dBuV/m

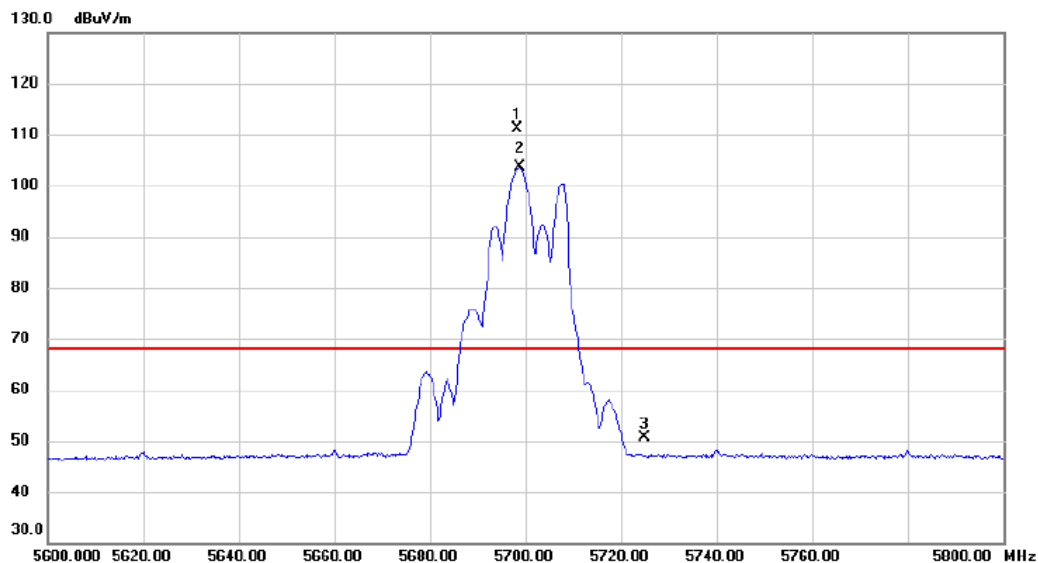


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11157.9600   | 41.09                      | 4.35                    | 45.44                     | 54.00           | -8.56        | AVG      |         |
| 2   | 11158.8000   | 51.86                      | 4.35                    | 56.21                     | 74.00           | -17.79       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |          |
|-----------|----------------------------|--------------|----------|
| Test Mode | UNII-2C_TX A Mode 5700 MHz | Polarization | Vertical |
|-----------|----------------------------|--------------|----------|



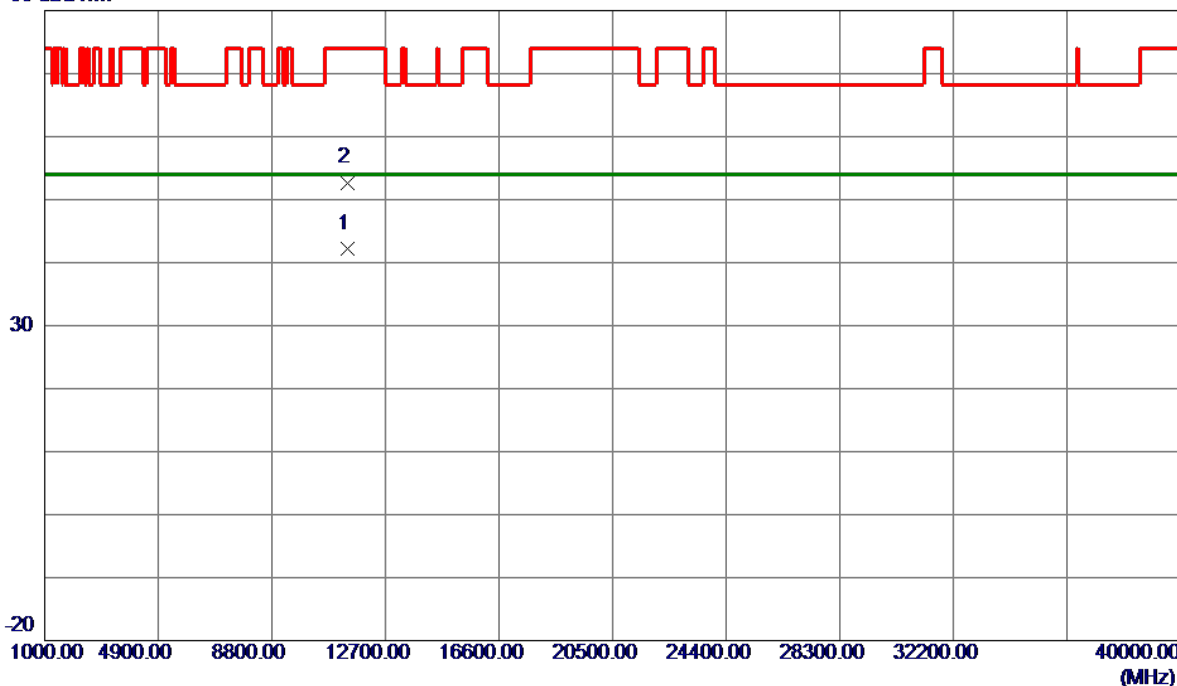
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | *   | 5698.400     | 94.96                    | 16.20                   | 111.16                     | 68.20           | 42.96        | peak     | No Limit |
| 2   | X   | 5698.800     | 87.34                    | 16.20                   | 103.54                     | 68.20           | 35.34        | AVG      | No Limit |
| 3   |     | 5725.000     | 34.49                    | 16.24                   | 50.73                      | 68.20           | -17.47       | peak     |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |          |
|-----------|----------------------------|--------------|----------|
| Test Mode | UNII-2C_TX A Mode 5700 MHz | Polarization | Vertical |
|-----------|----------------------------|--------------|----------|

80 dBuV/m

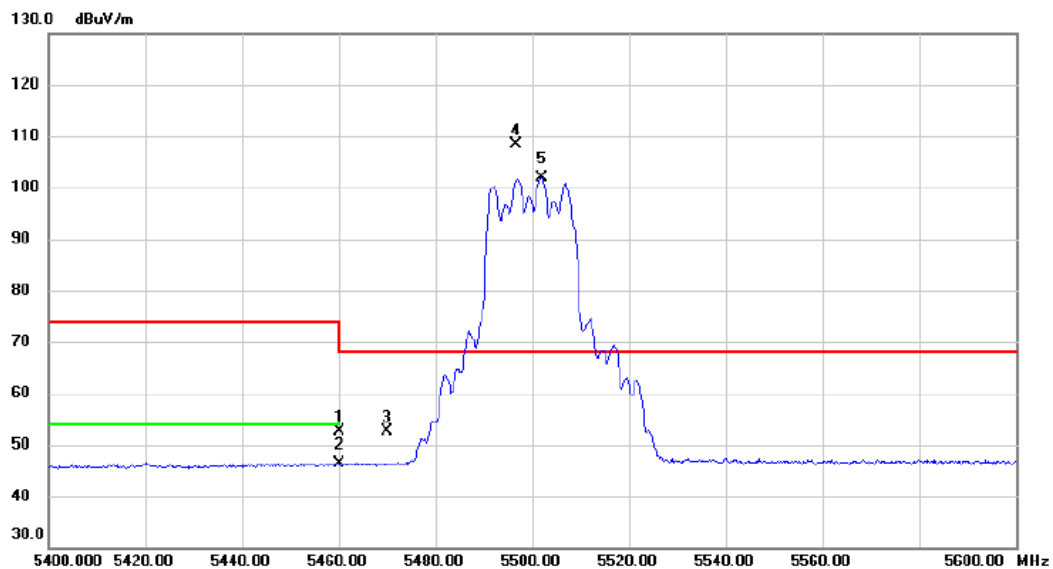


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11396.5400   | 29.59                      | 12.59                   | 42.18                     | 54.00           | -11.82       | AVG      |         |
| 2   | 11398.2600   | 40.11                      | 12.59                   | 52.70                     | 74.00           | -21.30       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5500 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|



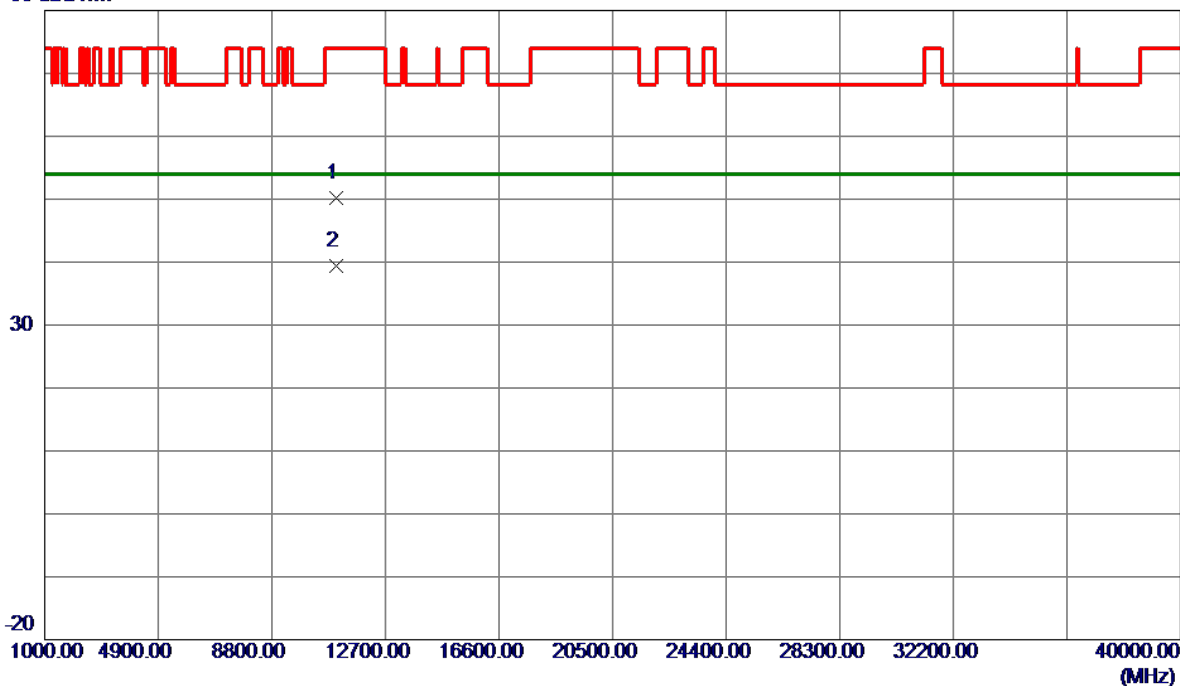
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5460.000     | 37.00                    | 15.69                   | 52.69                      | 74.00           | -21.31       | peak     |          |
| 2   |     | 5460.000     | 30.70                    | 15.69                   | 46.39                      | 54.00           | -7.61        | AVG      |          |
| 3   |     | 5470.000     | 36.92                    | 15.70                   | 52.62                      | 68.20           | -15.58       | peak     |          |
| 4   | *   | 5496.600     | 92.70                    | 15.76                   | 108.46                     | 68.20           | 40.26        | peak     | No Limit |
| 5   | X   | 5502.000     | 86.20                    | 15.77                   | 101.97                     | 68.20           | 33.77        | AVG      | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5500 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

80 dBuV/m



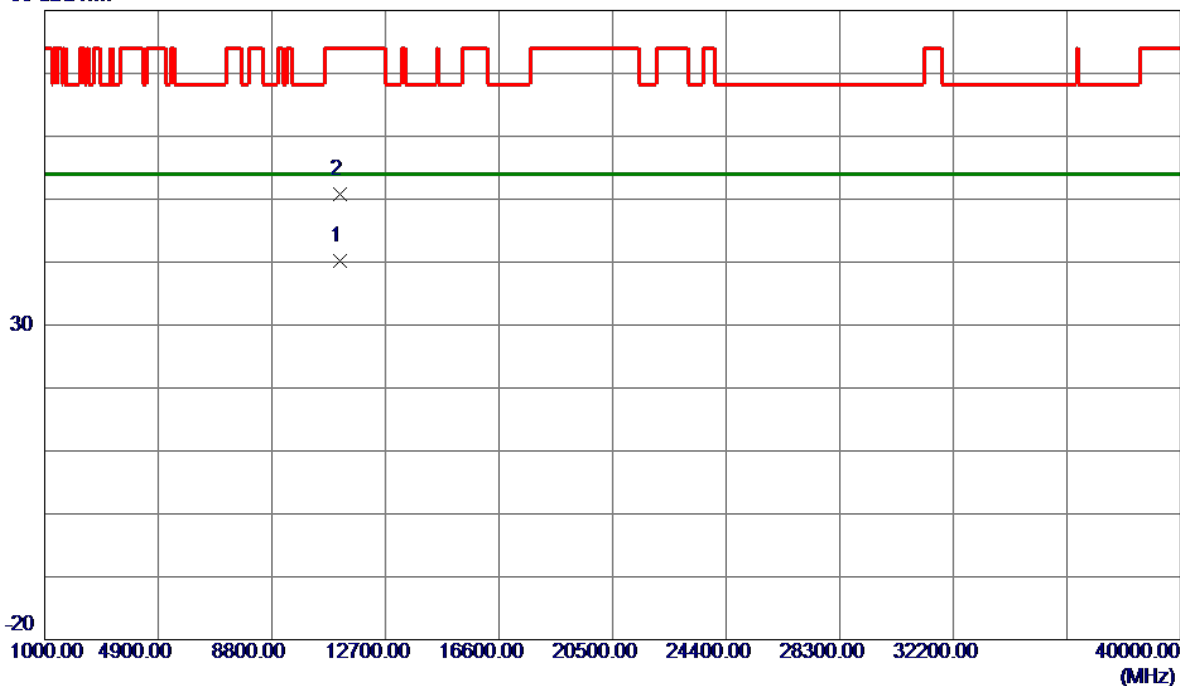
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11006.7000   | 37.91                      | 12.25                   | 50.16                     | 74.00           | -23.84       | Peak     |         |
| 2 * | 11007.8200   | 27.20                      | 12.25                   | 39.45                     | 54.00           | -14.55       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5580 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

80 dBuV/m

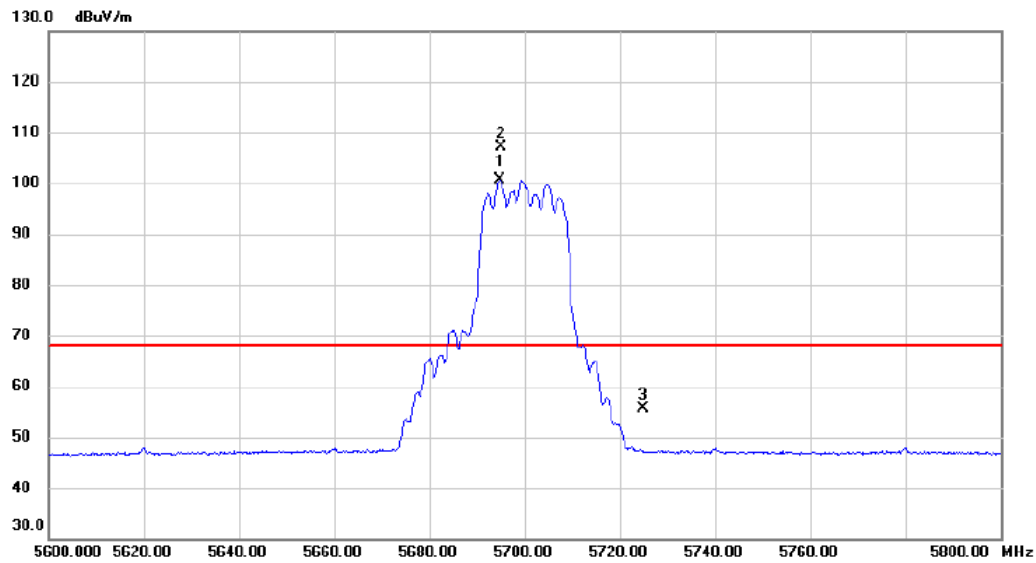


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11150.0599   | 27.88                      | 12.37                   | 40.25                     | 54.00           | -13.75       | AVG      |         |
| 2   | 11156.9000   | 38.40                      | 12.38                   | 50.78                     | 74.00           | -23.22       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5700 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

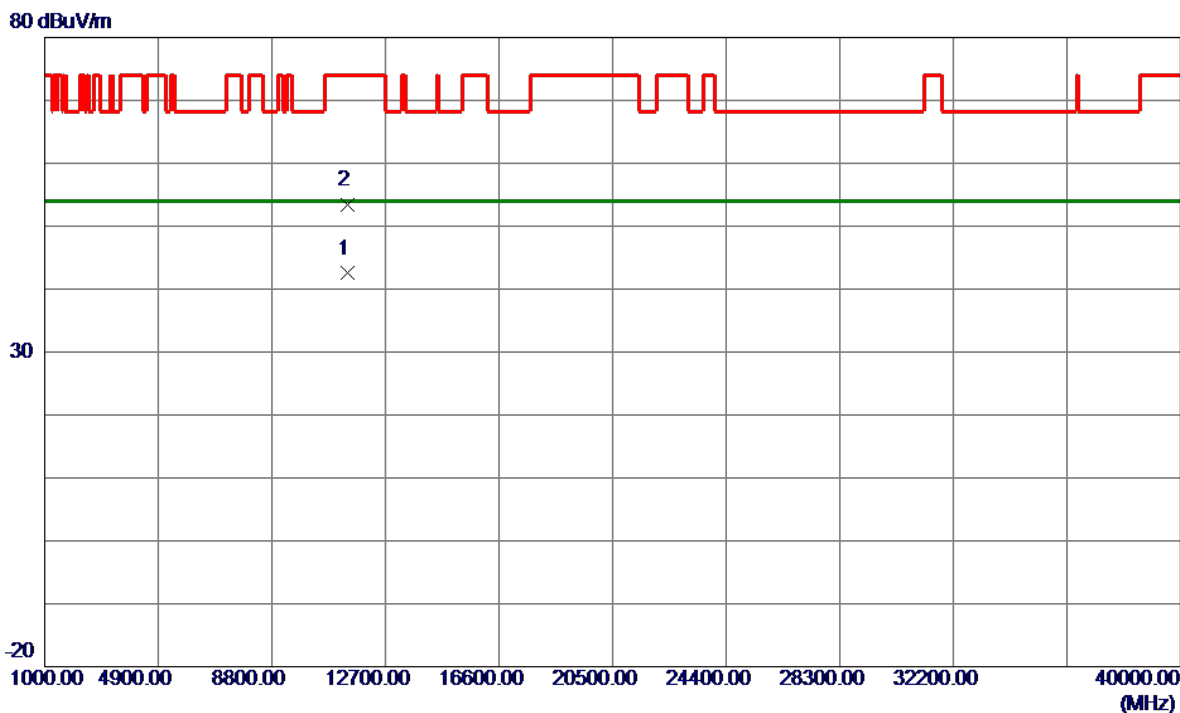


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | X   | 5694.800     | 90.06                    | 10.46                   | 100.52                     | 68.20           | 32.32        | AVG      | No Limit |
| 2   | *   | 5695.200     | 96.61                    | 10.46                   | 107.07                     | 68.20           | 38.87        | peak     | No Limit |
| 3   |     | 5725.000     | 45.01                    | 10.53                   | 55.54                      | 68.20           | -12.66       | peak     |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5700 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

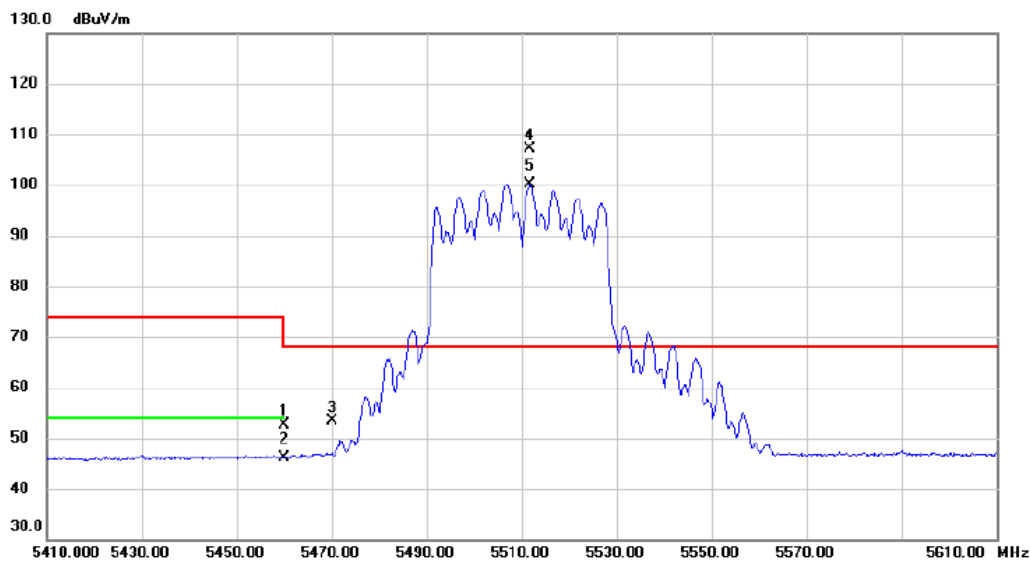


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11401.4200   | 29.90                      | 12.60                   | 42.50                     | 54.00           | -11.50       | AVG      |         |
| 2   | 11405.9200   | 40.87                      | 12.60                   | 53.47                     | 74.00           | -20.53       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5510 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5460.000     | 37.06                    | 15.69                   | 52.75                      | 74.00           | -21.25       | peak     |          |
| 2   |     | 5460.000     | 30.53                    | 15.69                   | 46.22                      | 54.00           | -7.78        | AVG      |          |
| 3   |     | 5470.000     | 37.60                    | 15.70                   | 53.30                      | 68.20           | -14.90       | peak     |          |
| 4   | *   | 5511.600     | 91.28                    | 15.78                   | 107.06                     | 68.20           | 38.86        | peak     | No Limit |
| 5   | X   | 5511.800     | 84.28                    | 15.78                   | 100.06                     | 68.20           | 31.86        | AVG      | No Limit |

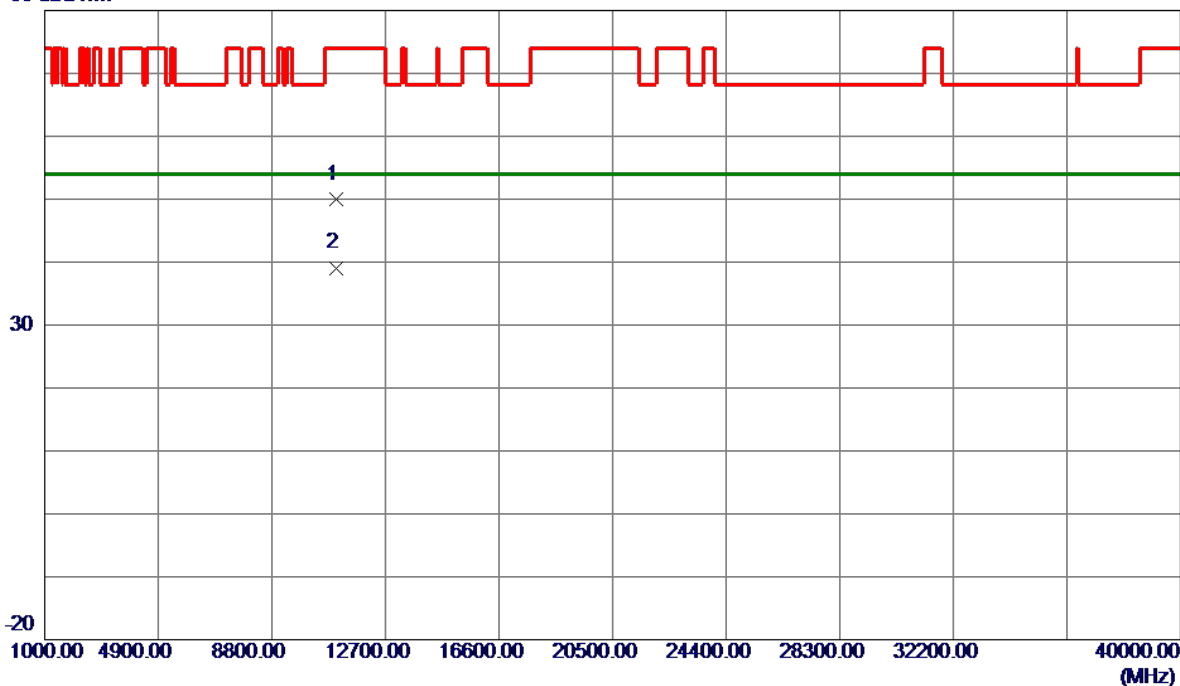
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5510 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

80 dBuV/m



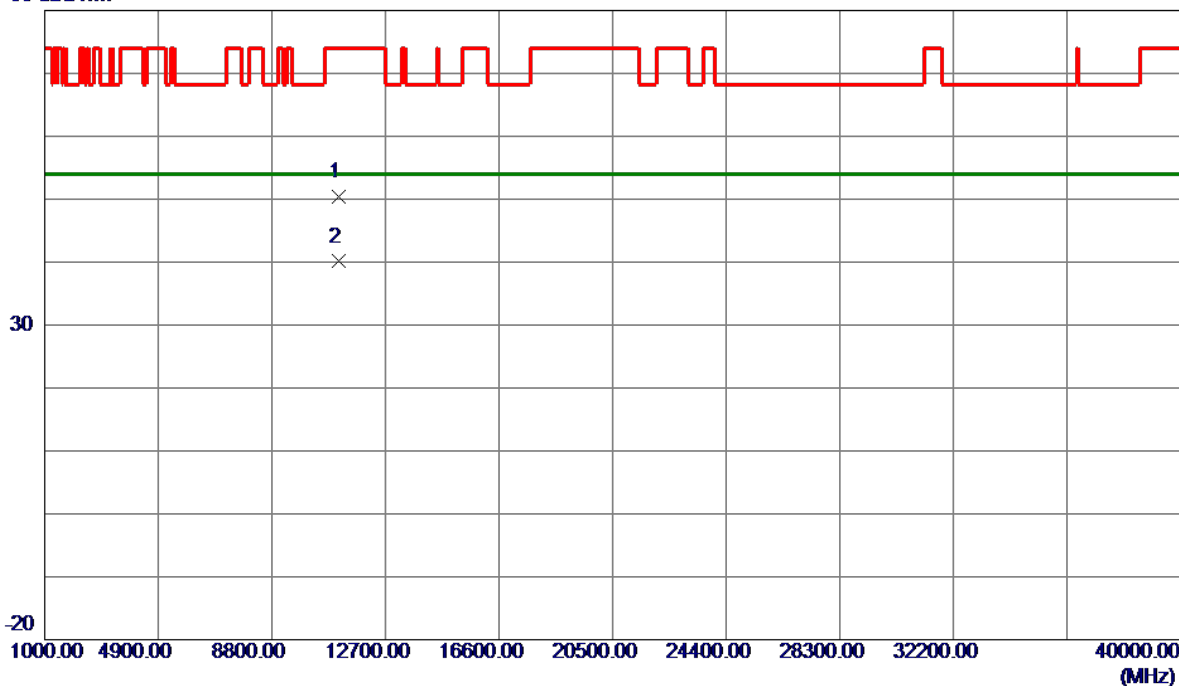
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11012.4000   | 37.70                      | 12.25                   | 49.95                     | 74.00           | -24.05       | Peak     |         |
| 2 * | 11016.4200   | 26.85                      | 12.25                   | 39.10                     | 54.00           | -14.90       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5550 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

80 dBuV/m

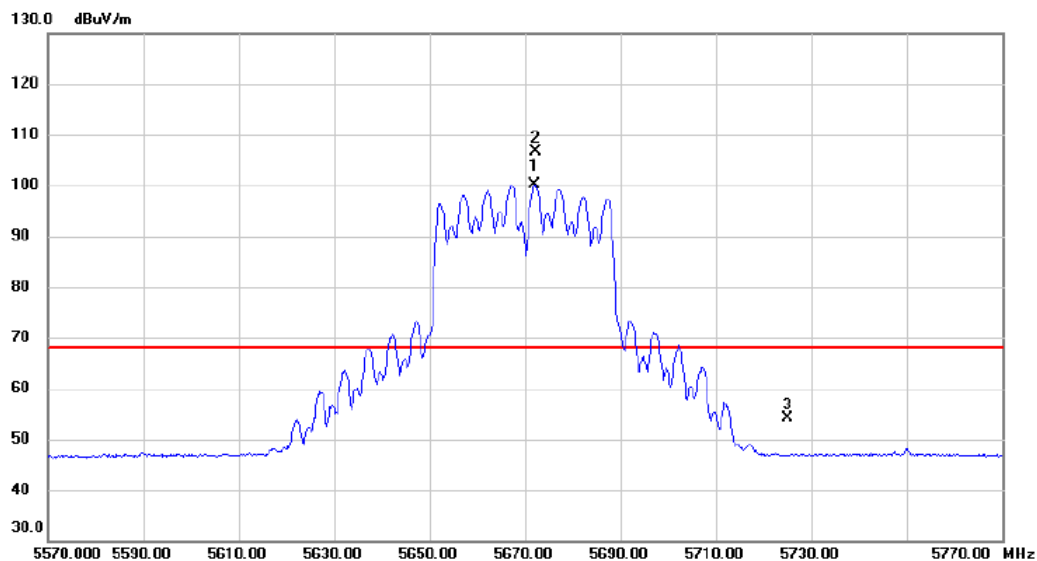


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11104.1800   | 38.07                      | 12.33                   | 50.40                     | 74.00           | -23.60       | Peak     |         |
| 2 * | 11105.7600   | 27.77                      | 12.33                   | 40.10                     | 54.00           | -13.90       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5670 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|



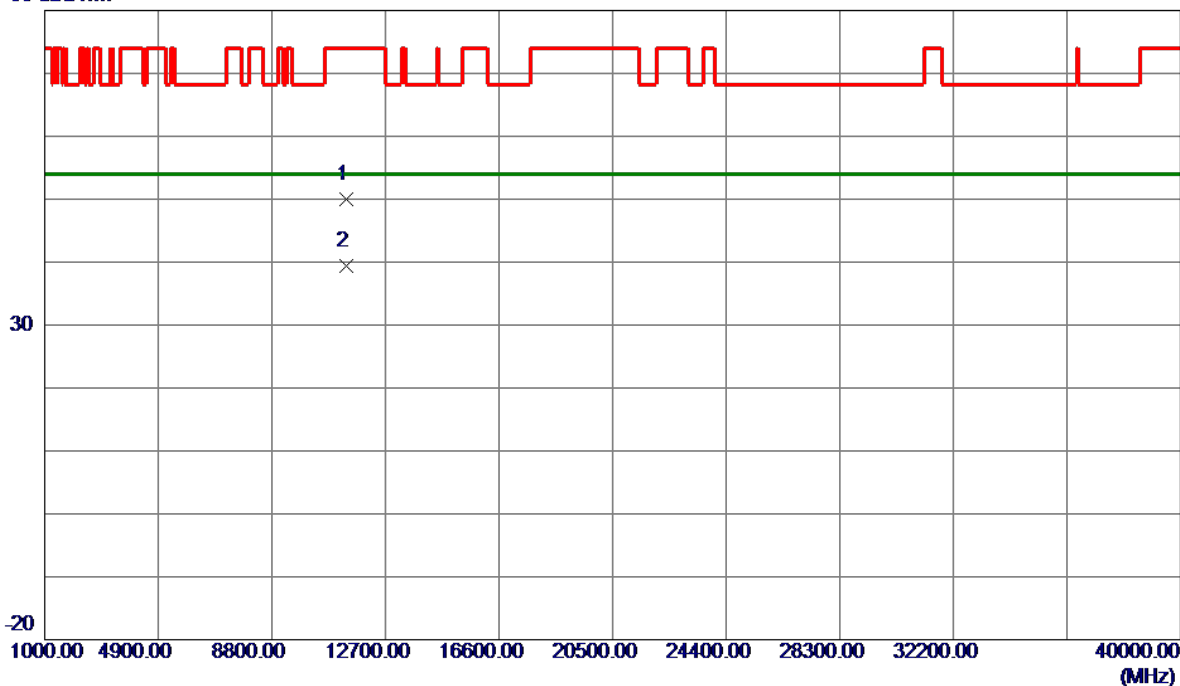
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | X   | 5672.000     | 83.91                    | 16.13                   | 100.04                     | 68.20           | 31.84        | AVG      | No Limit |
| 2   | *   | 5672.200     | 90.56                    | 16.14                   | 106.70                     | 68.20           | 38.50        | peak     | No Limit |
| 3   |     | 5725.000     | 37.84                    | 16.24                   | 54.08                      | 68.20           | -14.12       | peak     |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5670 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

80 dBuV/m

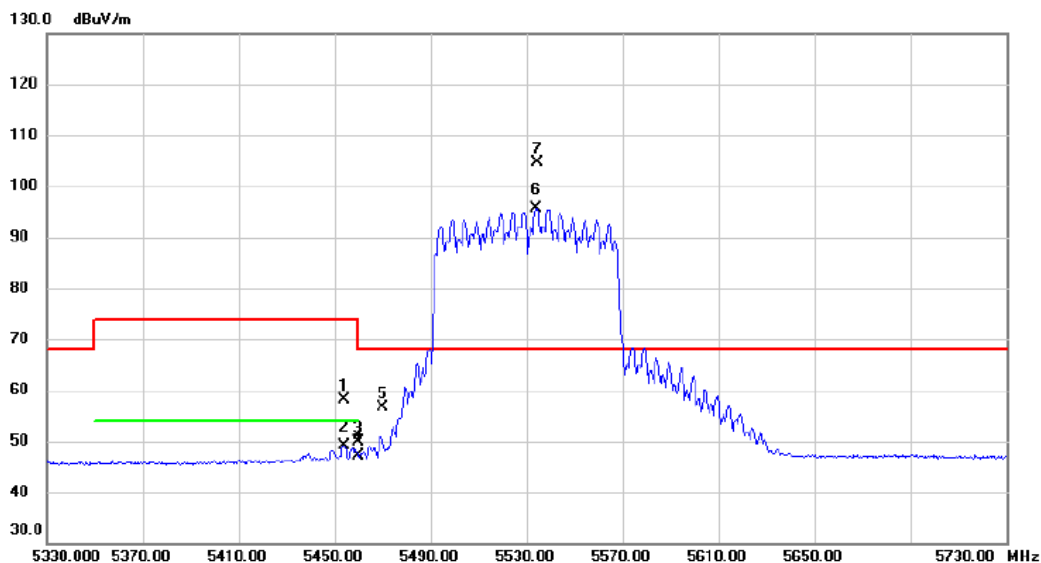


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11340.5599   | 37.55                      | 12.54                   | 50.09                     | 74.00           | -23.91       | Peak     |         |
| 2 * | 11345.3800   | 26.91                      | 12.55                   | 39.46                     | 54.00           | -14.54       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode 5530 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

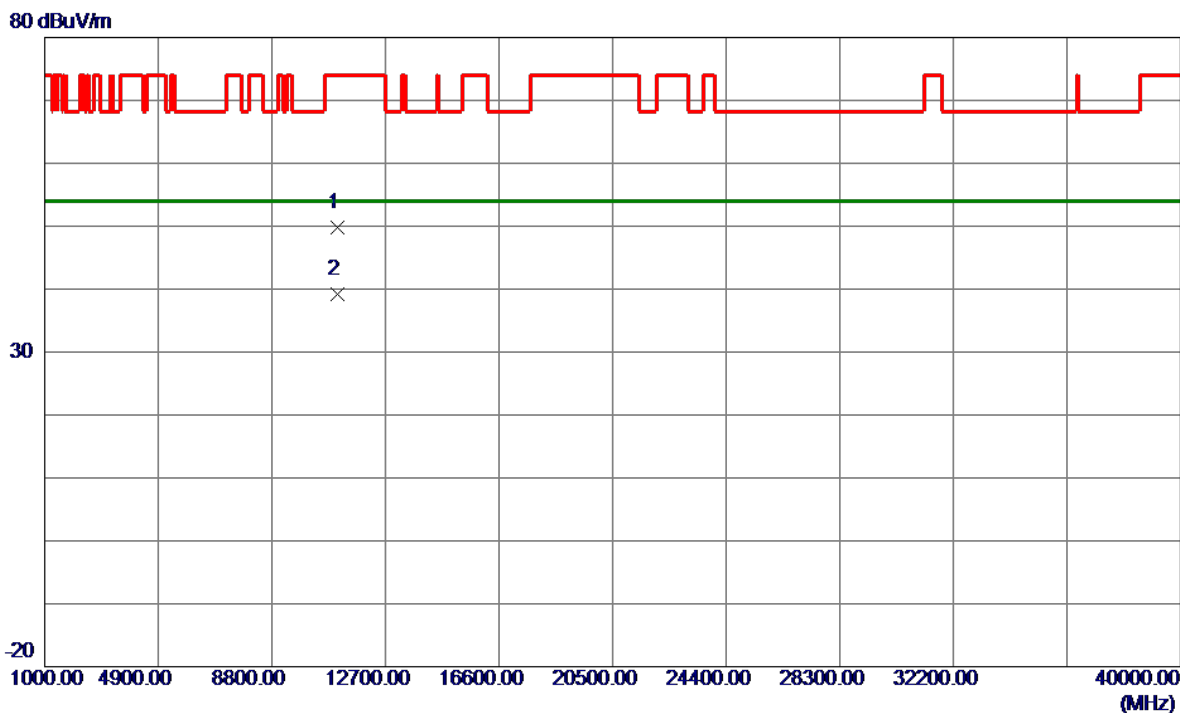


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5454.000     | 42.47                    | 15.68                   | 58.15                      | 74.00           | -15.85       | peak     |          |
| 2   |     | 5454.000     | 33.51                    | 15.68                   | 49.19                      | 54.00           | -4.81        | AVG      |          |
| 3   |     | 5460.000     | 34.19                    | 15.69                   | 49.88                      | 74.00           | -24.12       | peak     |          |
| 4   |     | 5460.000     | 31.34                    | 15.69                   | 47.03                      | 54.00           | -6.97        | AVG      |          |
| 5   |     | 5470.000     | 40.83                    | 15.70                   | 56.53                      | 68.20           | -11.67       | peak     |          |
| 6   | X   | 5534.000     | 79.85                    | 15.83                   | 95.68                      | 68.20           | 27.48        | AVG      | No Limit |
| 7   | *   | 5534.400     | 88.71                    | 15.83                   | 104.54                     | 68.20           | 36.34        | peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode 5530 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

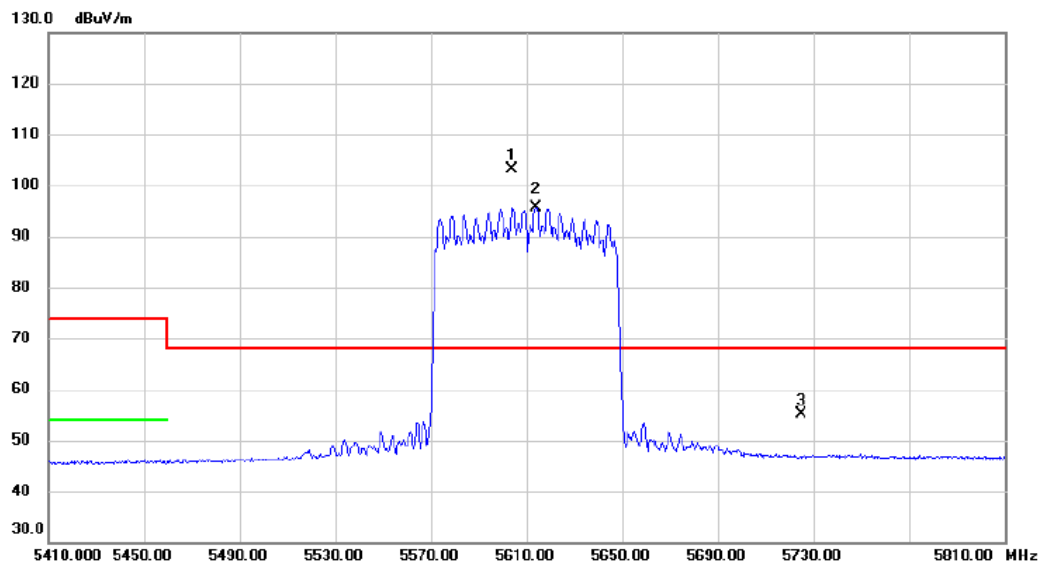


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11061.3800   | 45.59                      | 4.26                    | 49.85                     | 74.00           | -24.15       | Peak     |         |
| 2 * | 11066.5800   | 34.85                      | 4.27                    | 39.12                     | 54.00           | -14.88       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode 5610 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

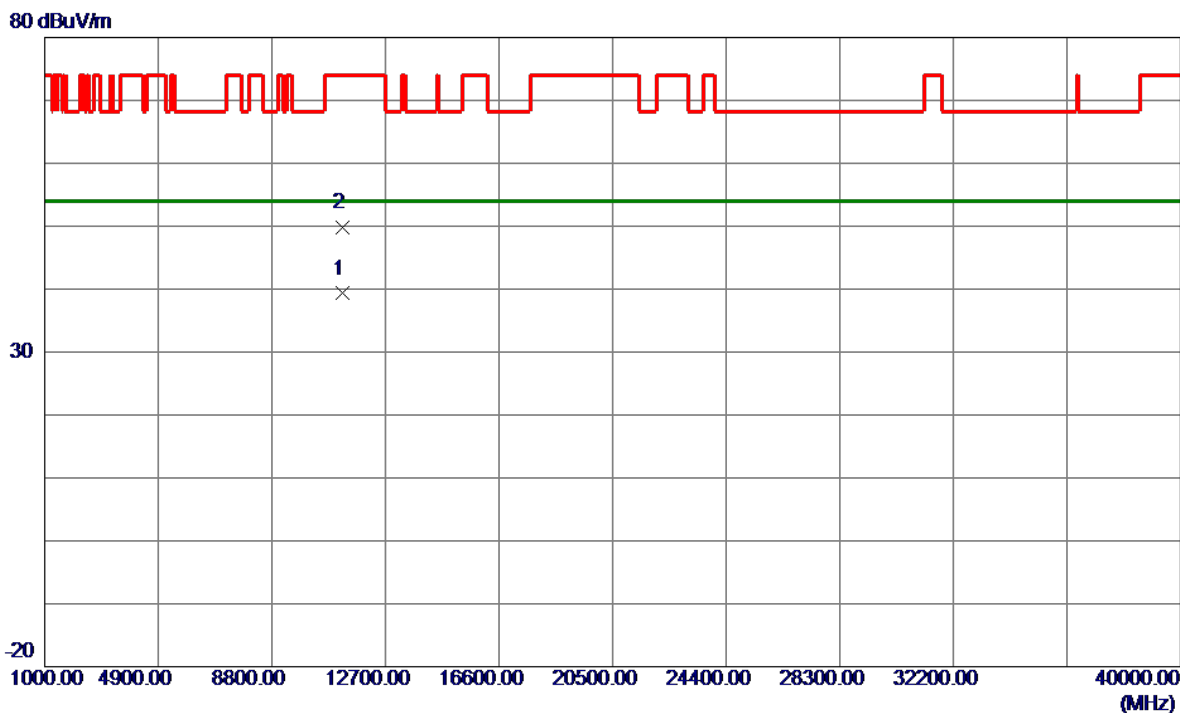


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | *   | 5603.600     | 87.17                    | 15.99                   | 103.16                     | 68.20           | 34.96        | peak     | No Limit |
| 2   | X   | 5614.000     | 79.68                    | 16.01                   | 95.69                      | 68.20           | 27.49        | AVG      | No Limit |
| 3   |     | 5725.000     | 38.78                    | 16.24                   | 55.02                      | 68.20           | -13.18       | peak     |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode 5610 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

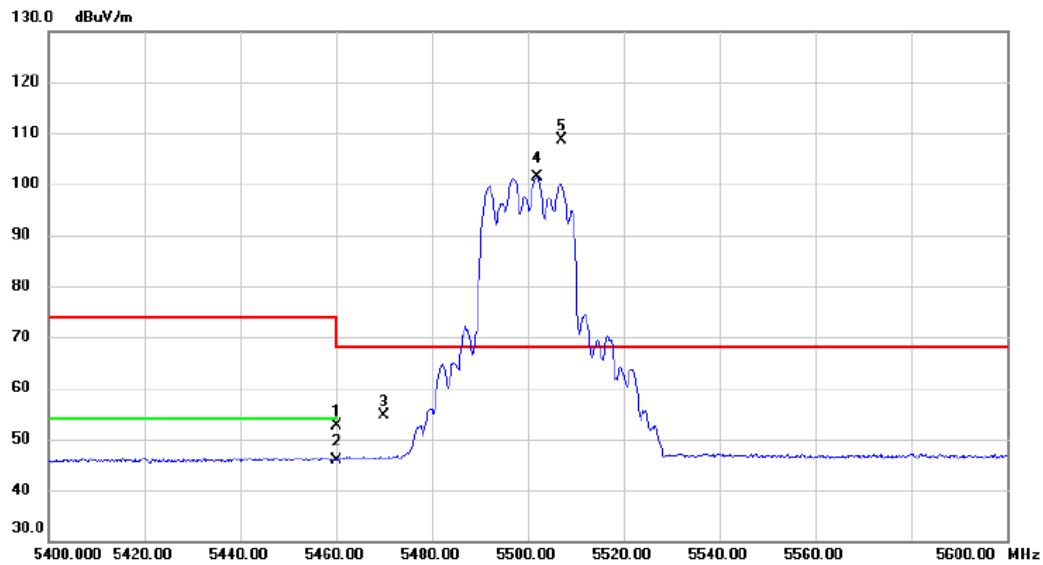


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11217.2800   | 26.87                      | 12.43                   | 39.30                     | 54.00           | -14.70       | AVG      |         |
| 2   | 11222.6000   | 37.41                      | 12.44                   | 49.85                     | 74.00           | -24.15       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE20) Mode 5500 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

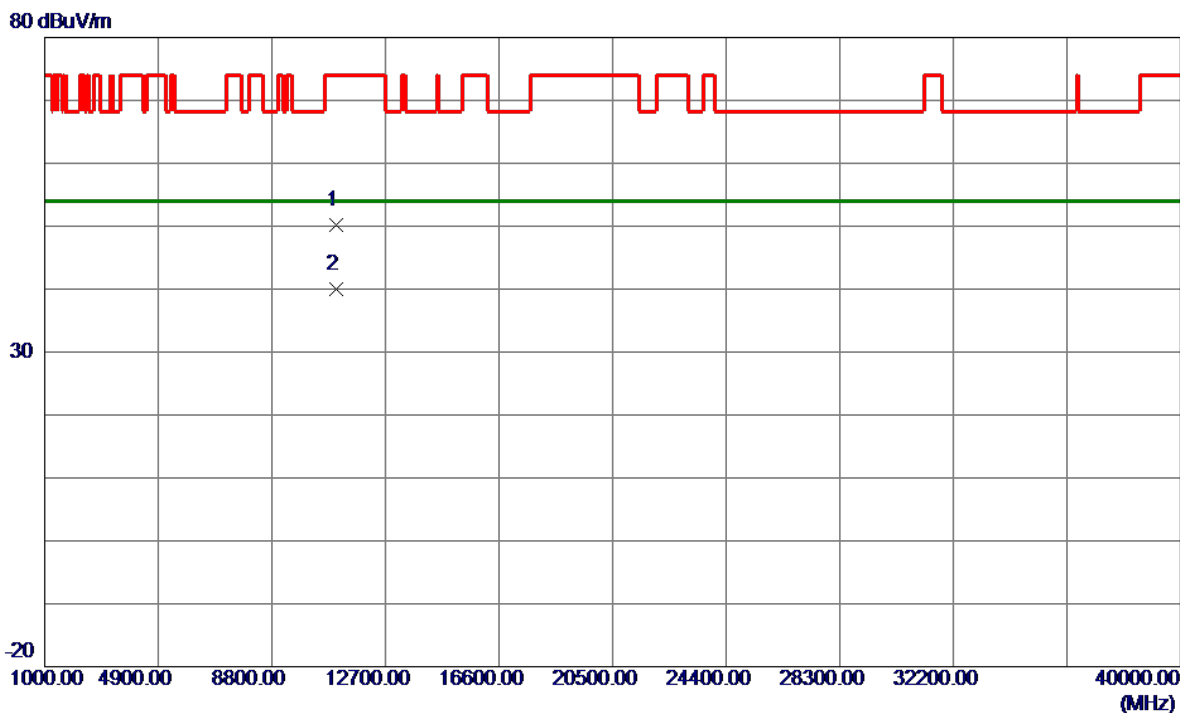


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5460.000     | 42.76                    | 9.87                    | 52.63                      | 74.00           | -21.37       | peak     |          |
| 2   |     | 5460.000     | 36.09                    | 9.87                    | 45.96                      | 54.00           | -8.04        | AVG      |          |
| 3   |     | 5470.000     | 44.70                    | 9.88                    | 54.58                      | 68.20           | -13.62       | peak     |          |
| 4   | X   | 5502.000     | 91.43                    | 9.93                    | 101.36                     | 68.20           | 33.16        | AVG      | No Limit |
| 5   | *   | 5507.000     | 98.78                    | 9.94                    | 108.72                     | 68.20           | 40.52        | peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE20) Mode 5500 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

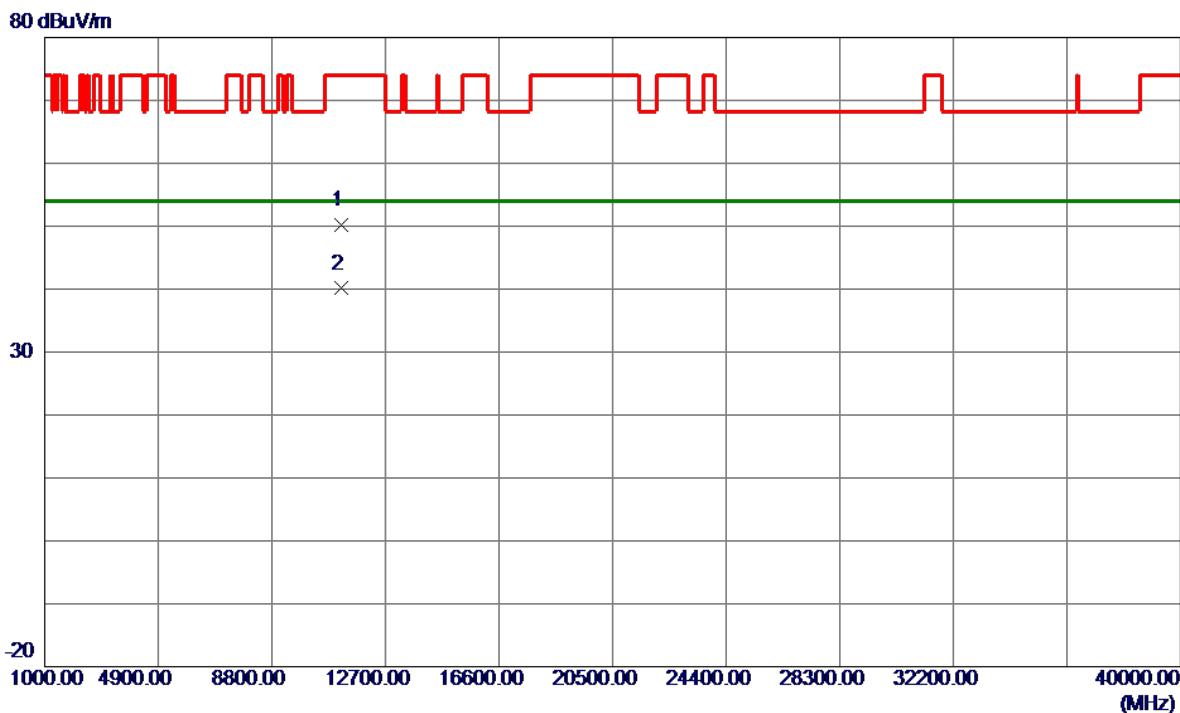


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 10996.2600   | 37.96                      | 12.24                   | 50.20                     | 74.00           | -23.80       | Peak     |         |
| 2 * | 10996.8400   | 27.77                      | 12.24                   | 40.01                     | 54.00           | -13.99       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE20) Mode 5580 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

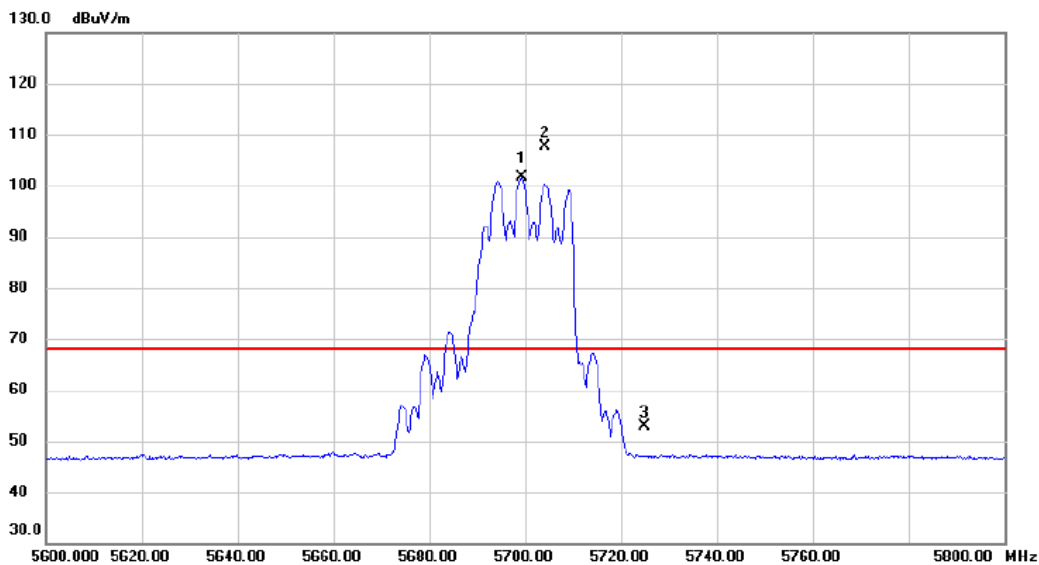


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11168.0599   | 37.89                      | 12.39                   | 50.28                     | 74.00           | -23.72       | Peak     |         |
| 2 * | 11168.2000   | 27.71                      | 12.39                   | 40.10                     | 54.00           | -13.90       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE20) Mode 5700 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | X   | 5699.400     | 85.42                    | 16.20                   | 101.62                     | 68.20           | 33.42        | AVG      | No Limit |
| 2   | *   | 5704.200     | 91.54                    | 16.20                   | 107.74                     | 68.20           | 39.54        | peak     | No Limit |
| 3   |     | 5725.000     | 36.61                    | 16.24                   | 52.85                      | 68.20           | -15.35       | peak     |          |

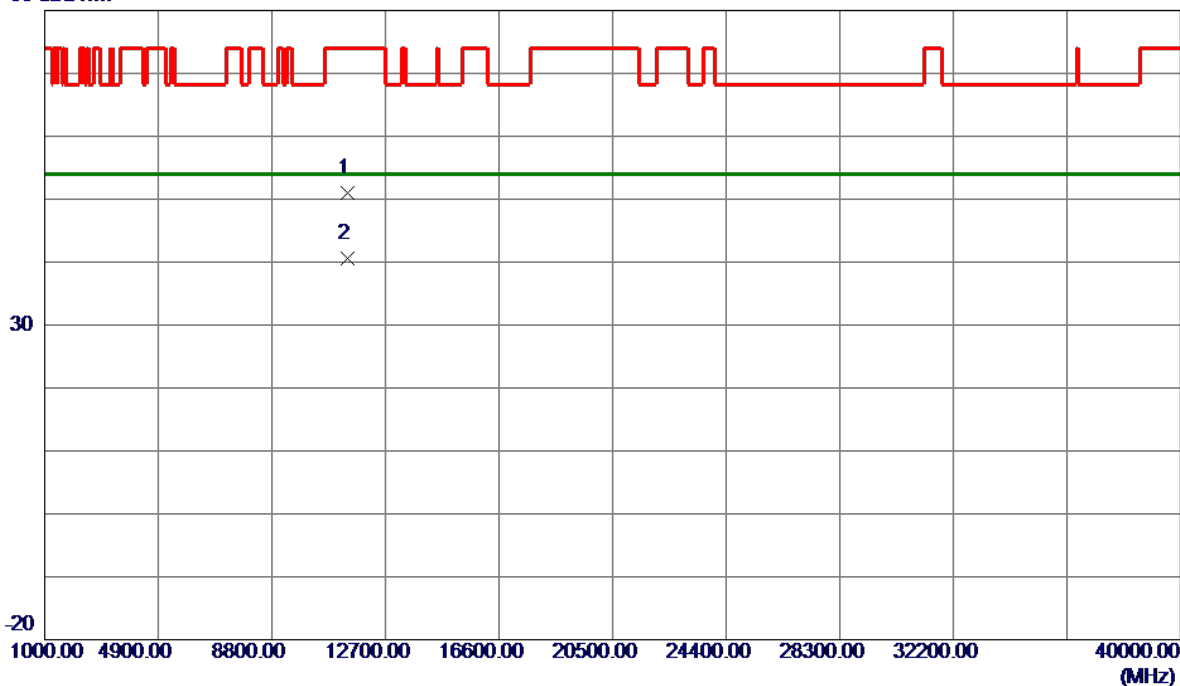
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE20) Mode 5700 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

80 dBuV/m

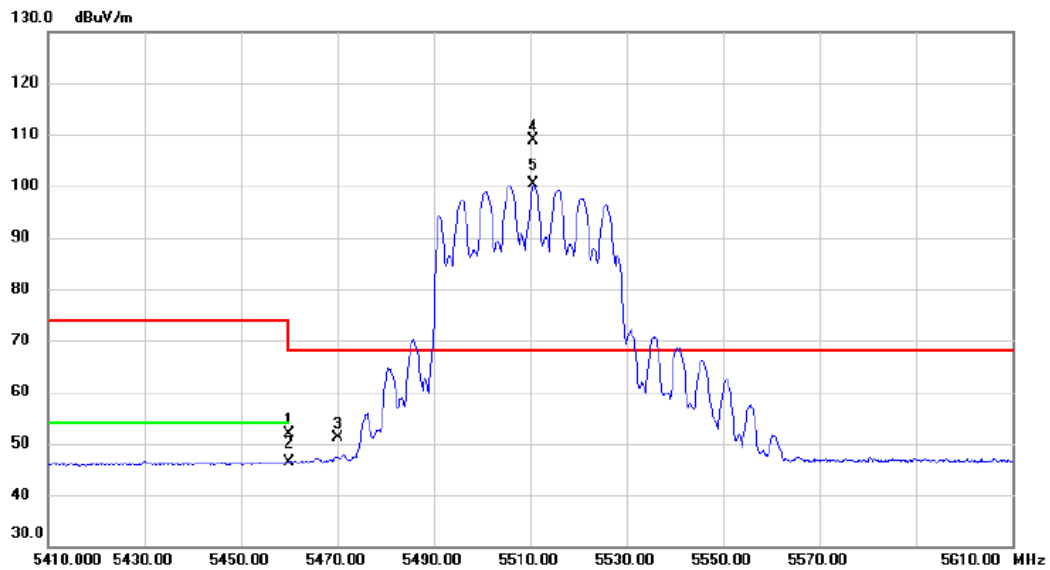


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11391.0800   | 38.34                      | 12.59                   | 50.93                     | 74.00           | -23.07       | Peak     |         |
| 2 * | 11399.1800   | 27.98                      | 12.60                   | 40.58                     | 54.00           | -13.42       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE40) Mode 5510 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



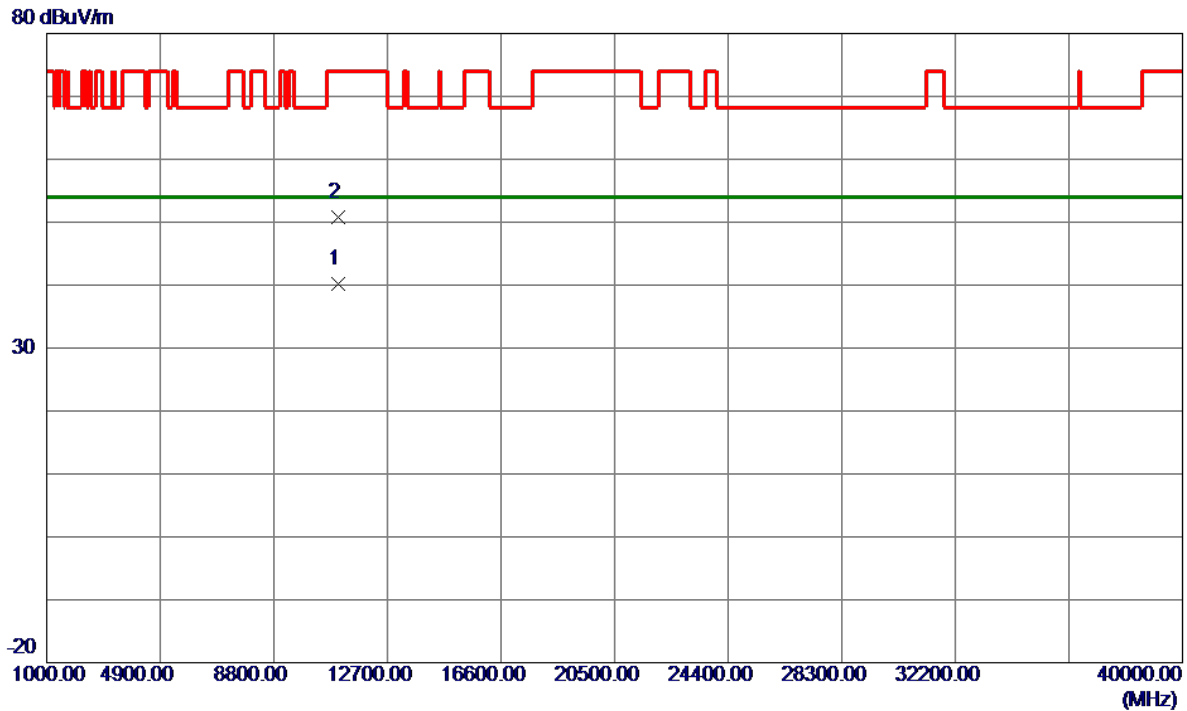
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5460.000     | 36.07                    | 15.69                   | 51.76                      | 74.00           | -22.24       | peak     |          |
| 2   |     | 5460.000     | 30.63                    | 15.69                   | 46.32                      | 54.00           | -7.68        | AVG      |          |
| 3   |     | 5470.000     | 35.55                    | 15.70                   | 51.25                      | 68.20           | -16.95       | peak     |          |
| 4   | *   | 5510.600     | 93.16                    | 15.78                   | 108.94                     | 68.20           | 40.74        | peak     | No Limit |
| 5   | X   | 5510.600     | 84.54                    | 15.78                   | 100.32                     | 68.20           | 32.12        | AVG      | No Limit |

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE40) Mode 5510 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



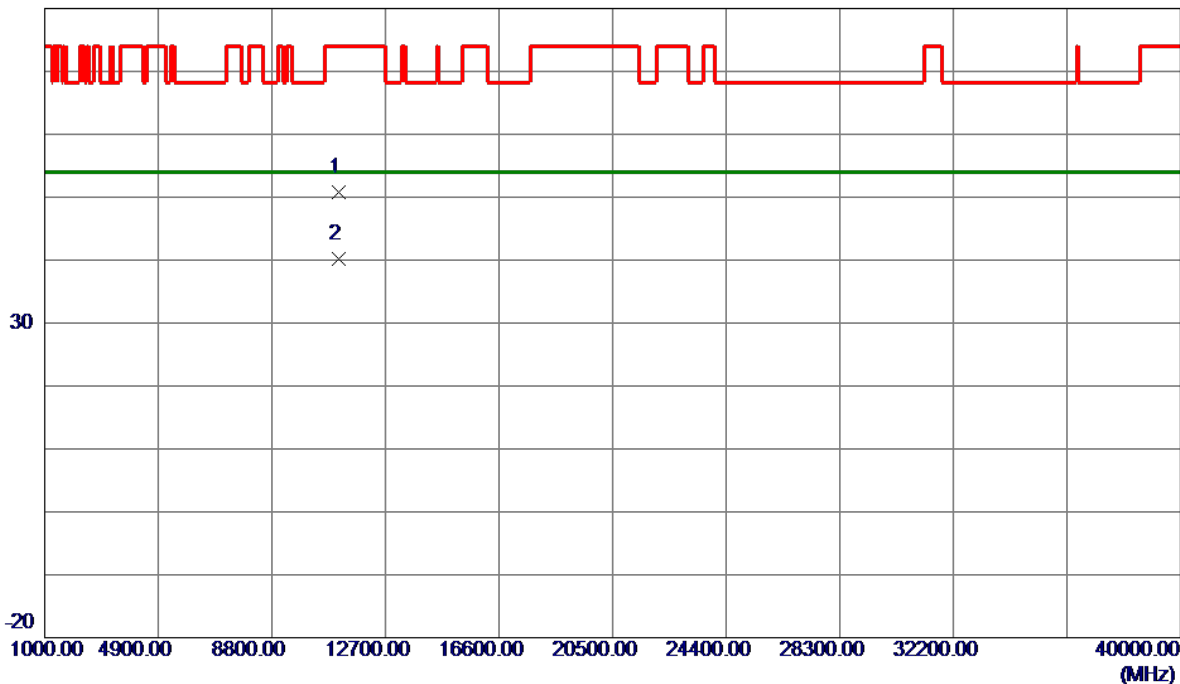
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11021.9400   | 35.96                      | 4.23                    | 40.19                     | 54.00           | -13.81       | AVG      |         |
| 2   | 11028.0599   | 46.54                      | 4.23                    | 50.77                     | 74.00           | -23.23       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE40) Mode 5550 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

80 dBuV/m

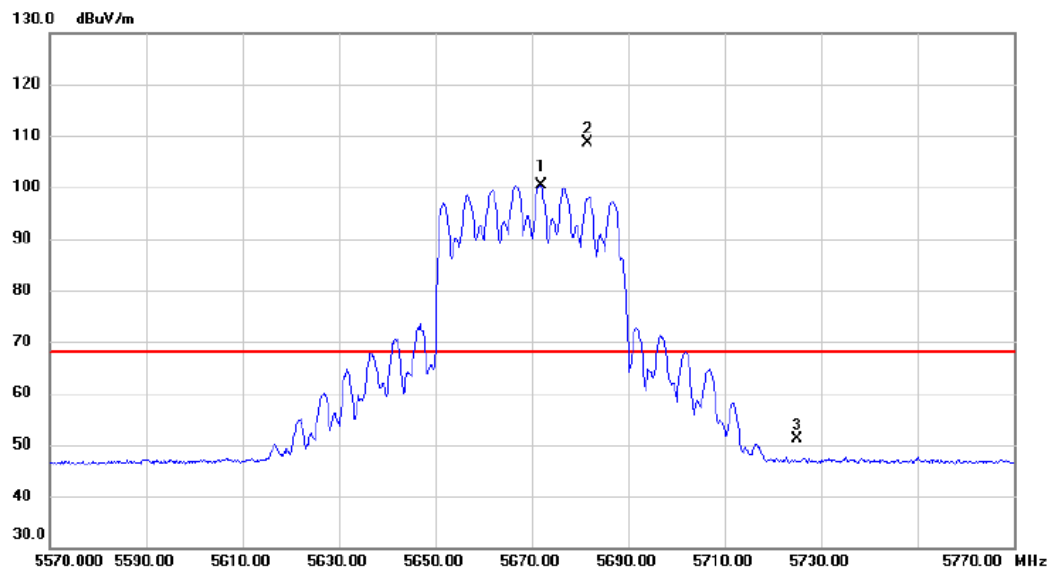


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11104.5599   | 38.46                      | 12.33                   | 50.79                     | 74.00           | -23.21       | Peak     |         |
| 2 * | 11104.7600   | 27.89                      | 12.33                   | 40.22                     | 54.00           | -13.78       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE40) Mode 5670 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | X   | 5672.000     | 84.27                    | 16.13                   | 100.40                     | 68.20           | 32.20        | AVG      | No Limit |
| 2   | *   | 5681.600     | 92.40                    | 16.16                   | 108.56                     | 68.20           | 40.36        | peak     | No Limit |
| 3   |     | 5725.000     | 34.86                    | 16.24                   | 51.10                      | 68.20           | -17.10       | peak     |          |

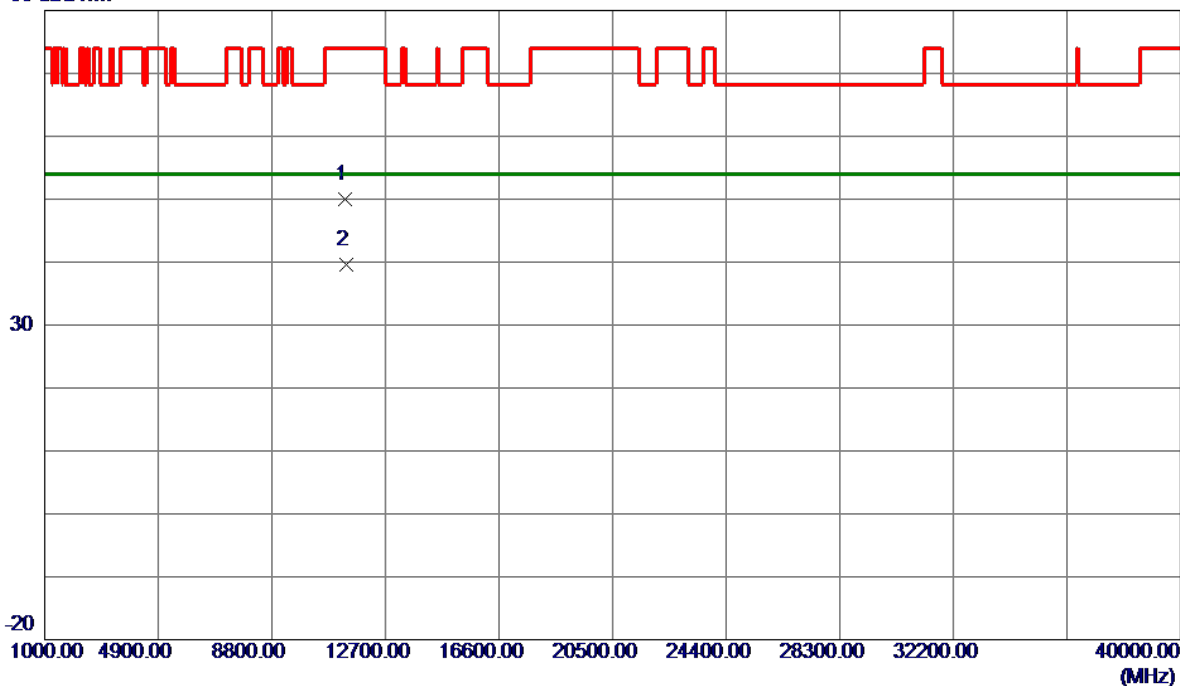
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE40) Mode 5670 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

80 dBuV/m

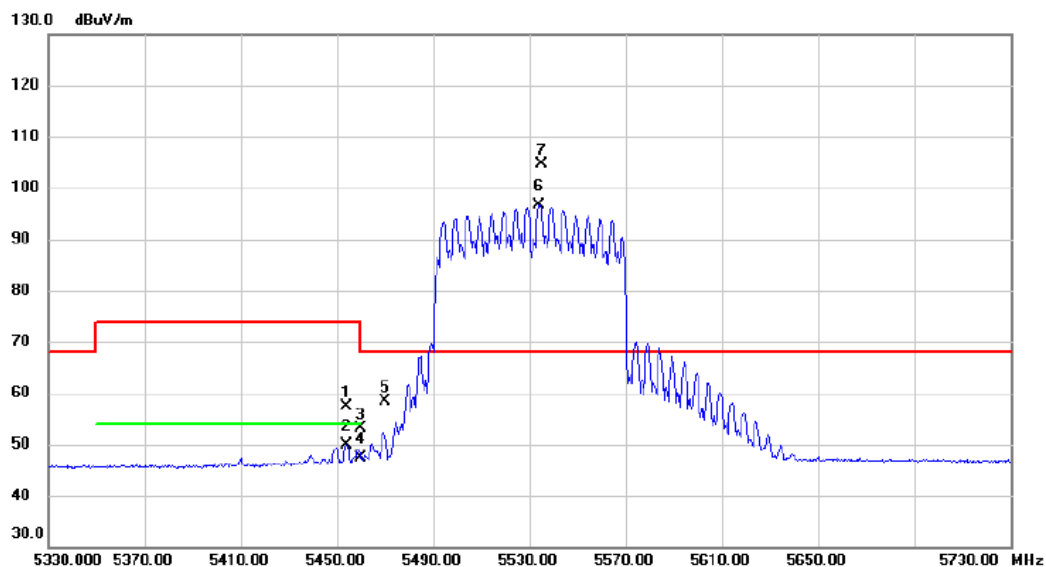


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11331.8200   | 37.54                      | 12.54                   | 50.08                     | 74.00           | -23.92       | Peak     |         |
| 2 * | 11349.9400   | 26.99                      | 12.55                   | 39.54                     | 54.00           | -14.46       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE80) Mode 5530 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



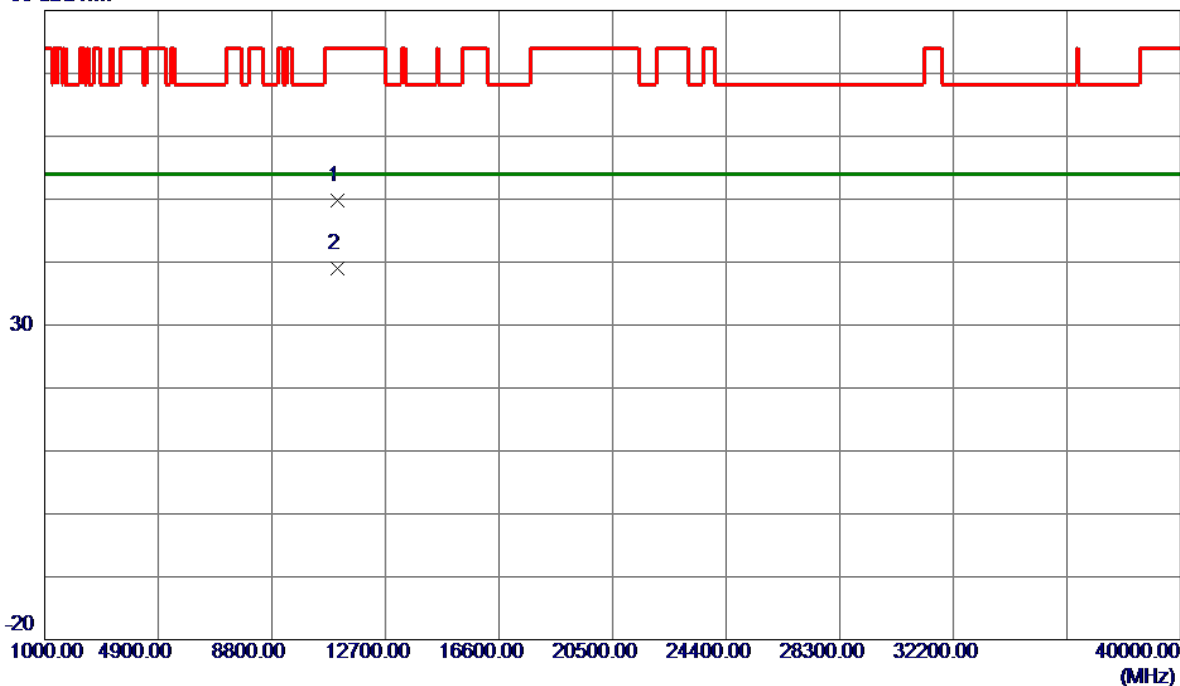
| No. Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1       | 5454.000     | 41.64                    | 15.68                   | 57.32                      | 74.00           | -16.68       | peak     |          |
| 2       | 5454.000     | 34.08                    | 15.68                   | 49.76                      | 54.00           | -4.24        | AVG      |          |
| 3       | 5460.000     | 37.51                    | 15.69                   | 53.20                      | 74.00           | -20.80       | peak     |          |
| 4       | 5460.000     | 31.75                    | 15.69                   | 47.44                      | 54.00           | -6.56        | AVG      |          |
| 5       | 5470.000     | 42.66                    | 15.70                   | 58.36                      | 68.20           | -9.84        | peak     |          |
| 6 X     | 5534.000     | 80.86                    | 15.83                   | 96.69                      | 68.20           | 28.49        | AVG      | No Limit |
| 7 *     | 5534.800     | 88.78                    | 15.84                   | 104.62                     | 68.20           | 36.42        | peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE80) Mode 5530 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

80 dBuV/m

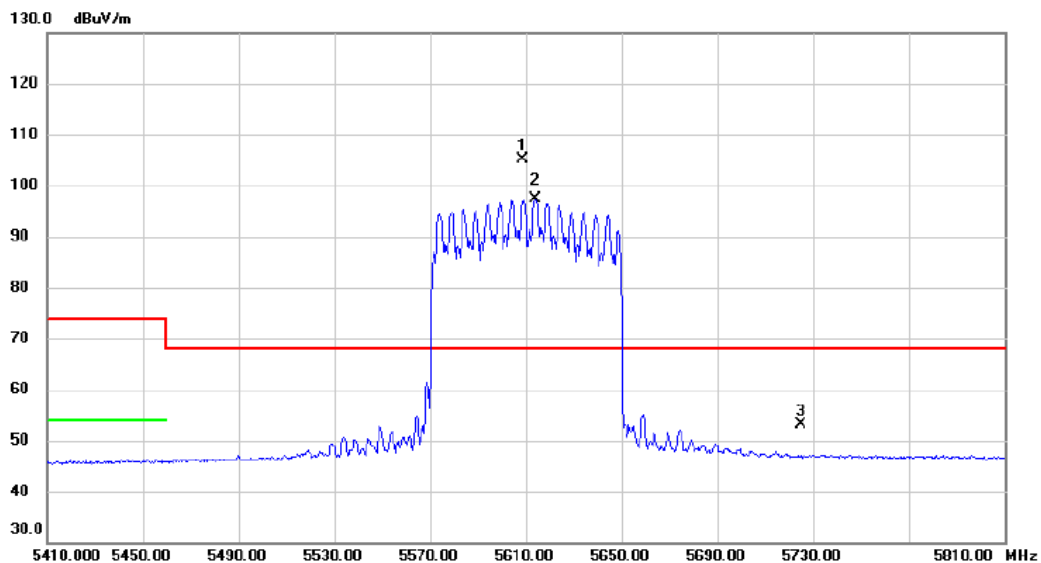


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11062.2100   | 37.59                      | 12.30                   | 49.89                     | 74.00           | -24.11       | Peak     |         |
| 2 * | 11064.6600   | 26.72                      | 12.30                   | 39.02                     | 54.00           | -14.98       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE80) Mode 5610 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

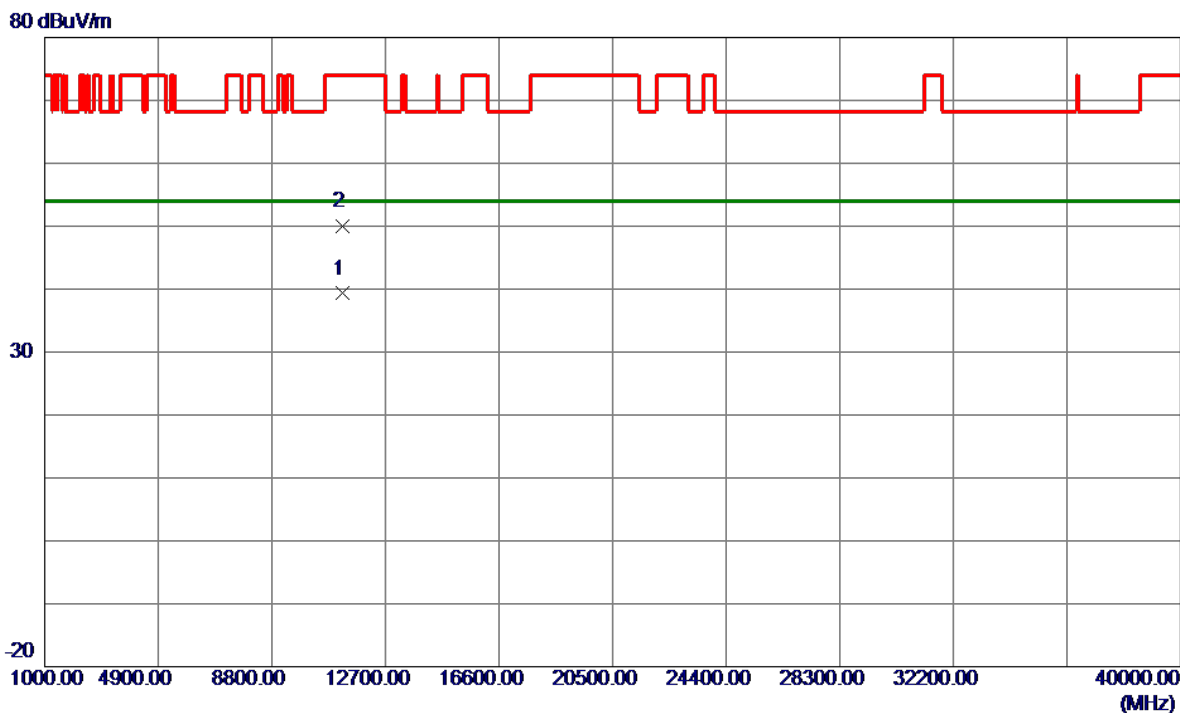


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   | *   | 5608.800     | 89.06                    | 16.00                   | 105.06                     | 68.20           | 36.86        | peak     | No Limit |
| 2   | X   | 5614.000     | 81.33                    | 16.01                   | 97.34                      | 68.20           | 29.14        | AVG      | No Limit |
| 3   |     | 5725.000     | 37.01                    | 16.24                   | 53.25                      | 68.20           | -14.95       | peak     |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE80) Mode 5610 MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|

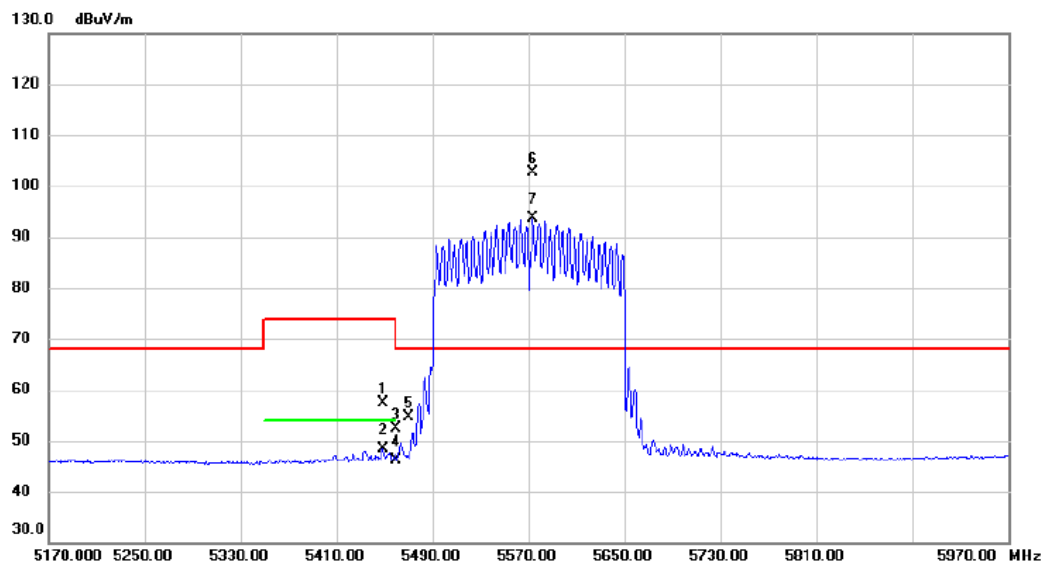


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11213.7200   | 26.87                      | 12.43                   | 39.30                     | 54.00           | -14.70       | AVG      |         |
| 2   | 11225.8600   | 37.48                      | 12.44                   | 49.92                     | 74.00           | -24.08       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE160) Mode 5570 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1   |     | 5449.200     | 41.62                    | 15.66                   | 57.28                      | 74.00           | -16.72       | peak     |          |
| 2   |     | 5449.200     | 32.80                    | 15.66                   | 48.46                      | 54.00           | -5.54        | AVG      |          |
| 3   |     | 5460.000     | 36.62                    | 15.69                   | 52.31                      | 74.00           | -21.69       | peak     |          |
| 4   |     | 5460.000     | 30.54                    | 15.69                   | 46.23                      | 54.00           | -7.77        | AVG      |          |
| 5   |     | 5470.000     | 38.96                    | 15.70                   | 54.66                      | 68.20           | -13.54       | peak     |          |
| 6   | *   | 5574.000     | 86.76                    | 15.92                   | 102.68                     | 68.20           | 34.48        | peak     | No Limit |
| 7   | X   | 5574.000     | 77.73                    | 15.92                   | 93.65                      | 68.20           | 25.45        | AVG      | No Limit |

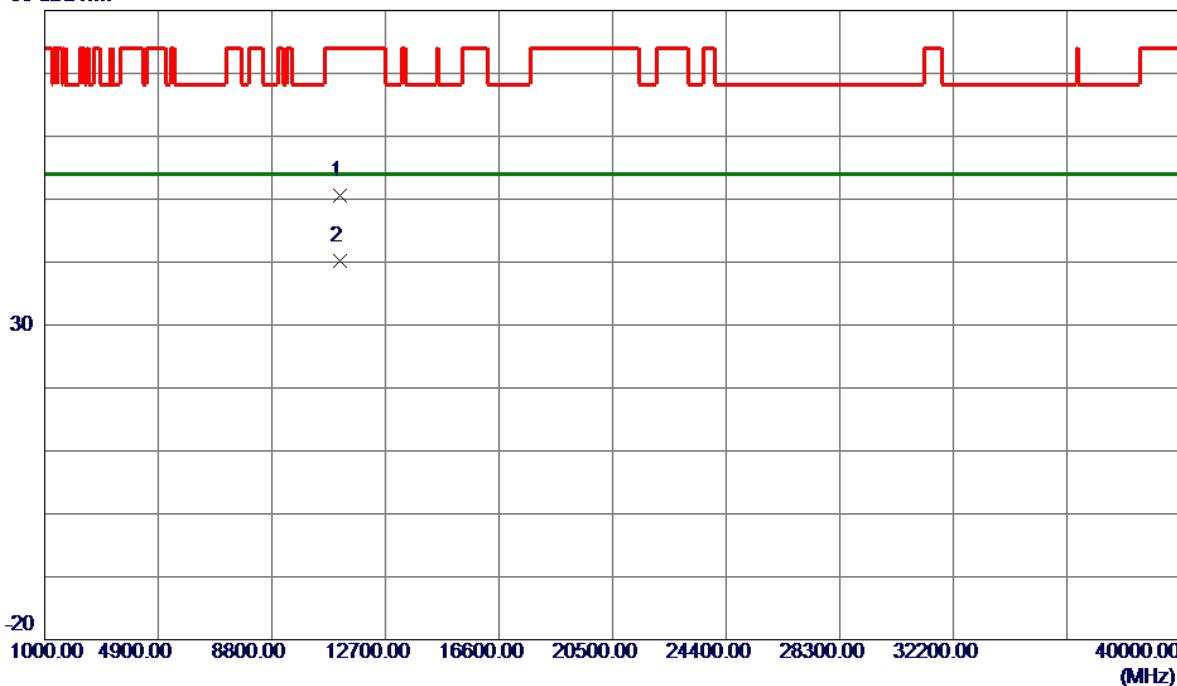
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test Mode | UNII-2C_TX AX(HE160) Mode 5570 MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|

80 dBuV/m



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 11141.4400   | 38.27                      | 12.37                   | 50.64                     | 74.00           | -23.36       | Peak     |         |
| 2 * | 11141.5500   | 27.78                      | 12.37                   | 40.15                     | 54.00           | -13.85       | AVG      |         |

## REMARKS:

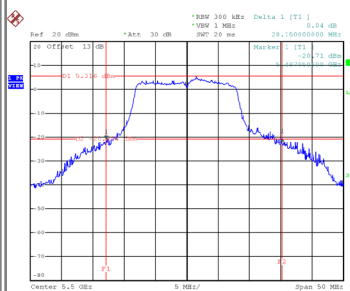
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX E - BANDWIDTH**

|           |                   |
|-----------|-------------------|
| Test Mode | UNII-2C_TX A Mode |
|-----------|-------------------|

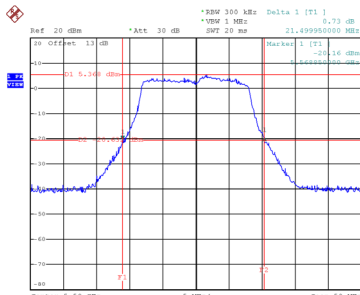
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 100     | 5500            | 28.150                | 19.300                        |
| 116     | 5580            | 21.500                | 16.800                        |
| 140     | 5700            | 29.400                | 17.200                        |

CH100



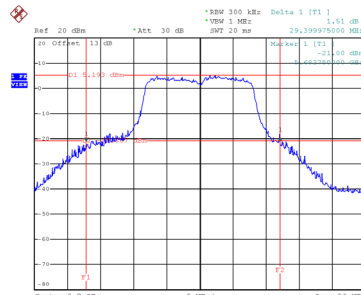
Date: 26.JUL.2022 20:48:47

CH116  
26 dB Bandwidth



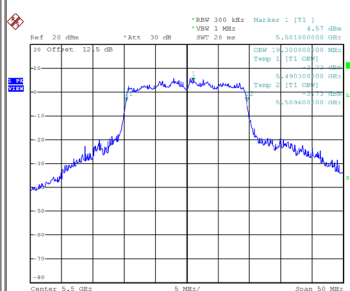
Date: 26.JUL.2022 20:50:20

CH140

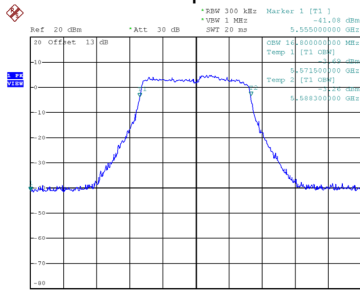


Date: 26.JUL.2022 20:51:09

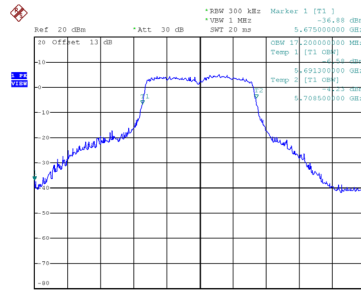
99 % Occupied Bandwidth



Date: 29.JUL.2022 21:09:32



Date: 26.JUL.2022 20:49:58

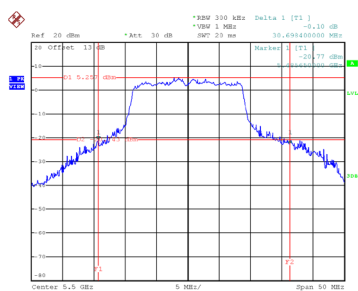


Date: 26.JUL.2022 20:50:51

|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode |
|-----------|---------------------------|

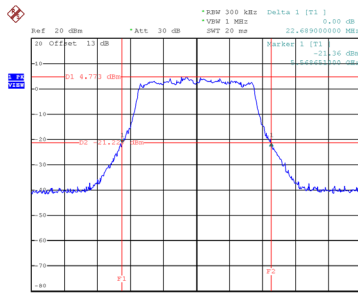
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 100     | 5500            | 30.698                | 18.300                        |
| 116     | 5580            | 22.689                | 18.000                        |
| 140     | 5700            | 28.690                | 18.400                        |

CH100



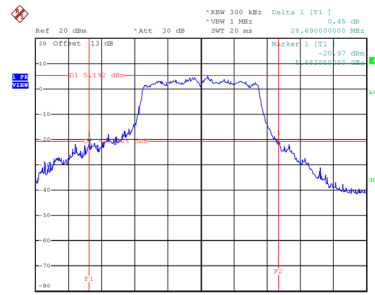
Date: 26.JUL.2022 20:54:37

CH116  
26 dB Bandwidth



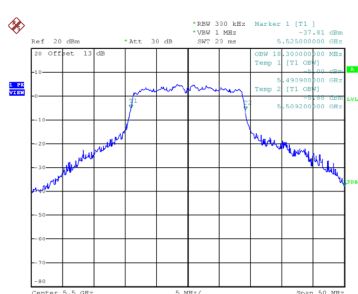
Date: 26.JUL.2022 20:55:13

CH140

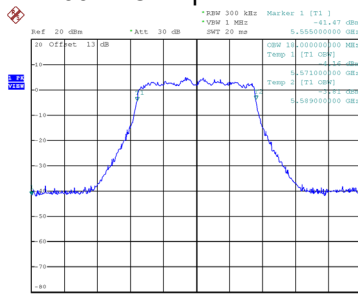


Date: 26.JUL.2022 20:56:22

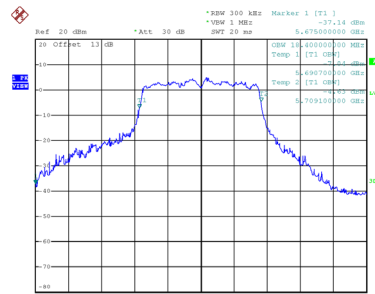
99 % Occupied Bandwidth



Date: 26.JUL.2022 20:54:21



Date: 26.JUL.2022 20:55:13

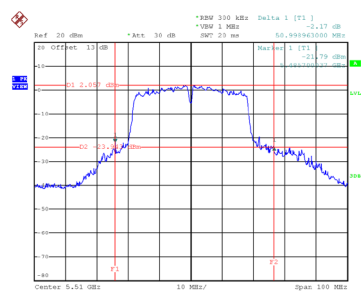


Date: 26.JUL.2022 20:56:05

|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode |
|-----------|---------------------------|

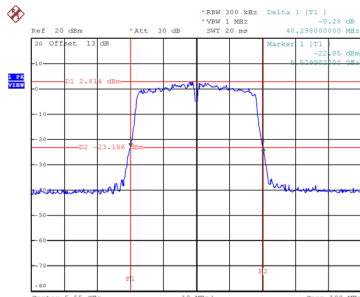
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 102     | 5510            | 50.999                | 37.200                        |
| 110     | 5550            | 40.298                | 36.600                        |
| 134     | 5670            | 55.100                | 37.200                        |

CH102



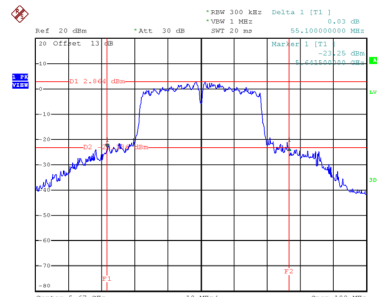
Date: 26.JUL.2022 21:01:02

CH110  
26 dB Bandwidth



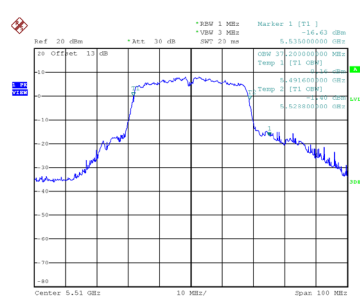
Date: 26.JUL.2022 21:02:22

CH134

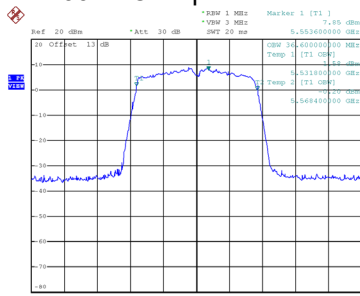


Date: 26.JUL.2022 21:03:26

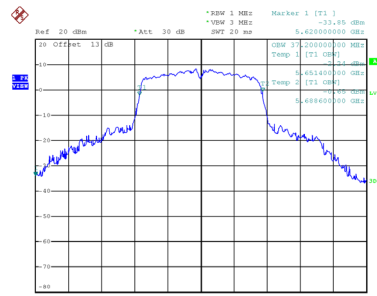
99 % Occupied Bandwidth



Date: 26.JUL.2022 21:00:18



Date: 26.JUL.2022 21:01:54



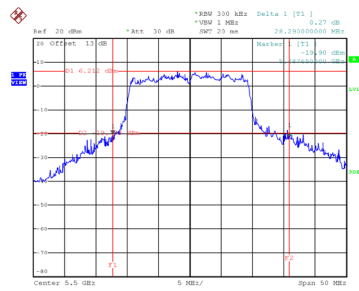
Date: 26.JUL.2022 21:02:57



|           |                          |
|-----------|--------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode |
|-----------|--------------------------|

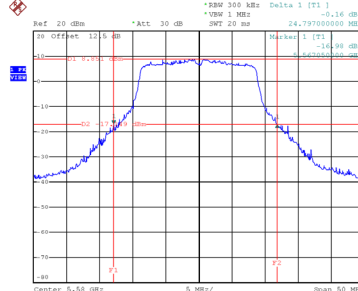
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 100     | 5500            | 28.290                | 19.200                        |
| 116     | 5580            | 24.797                | 19.100                        |
| 140     | 5700            | 26.600                | 19.300                        |

CH100



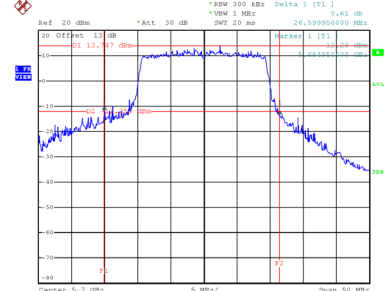
Date: 29.JUL.2022 21:11:03

CH116  
26 dB Bandwidth



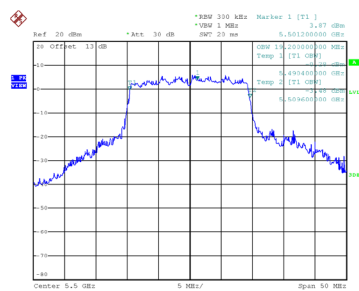
Date: 1.AUG.2022 14:42:49

CH140

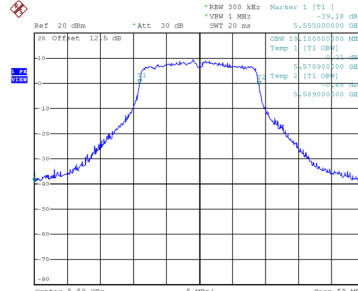


Date: 29.JUL.2022 21:15:56

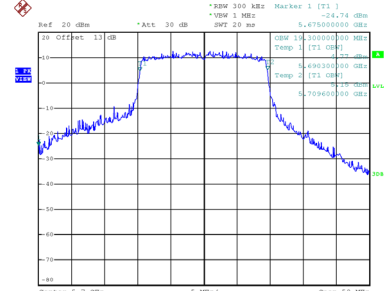
99 % Occupied Bandwidth



Date: 29.JUL.2022 21:10:42



Date: 1.AUG.2022 14:42:49

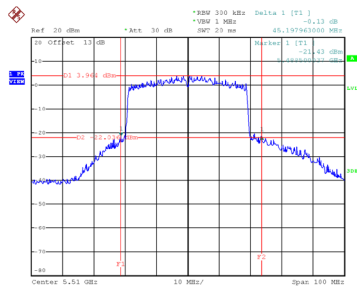


Date: 29.JUL.2022 21:15:38

|           |                          |
|-----------|--------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode |
|-----------|--------------------------|

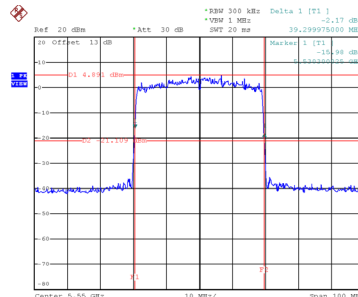
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 102     | 5510            | 45.198                | 38.000                        |
| 110     | 5550            | 39.300                | 38.000                        |
| 134     | 5670            | 52.396                | 38.400                        |

CH102



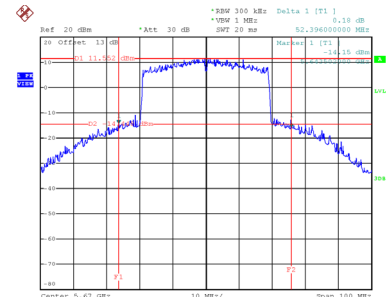
Date: 29.JUL.2022 21:17:54

CH110  
26 dB Bandwidth



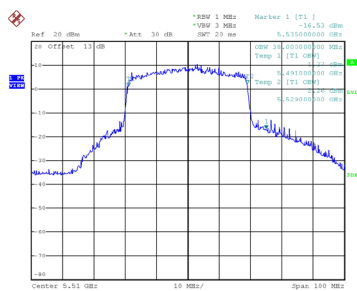
Date: 29.JUL.2022 21:18:44

CH134

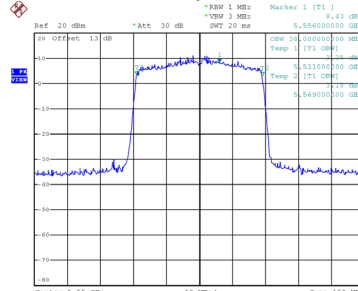


Date: 29.JUL.2022 21:19:52

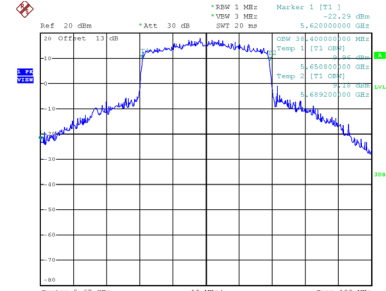
99 % Occupied Bandwidth



Date: 29.JUL.2022 21:17:07



Date: 29.JUL.2022 21:18:16

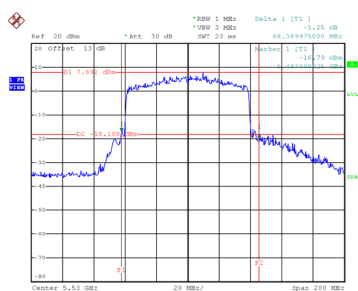


Date: 29.JUL.2022 21:19:06

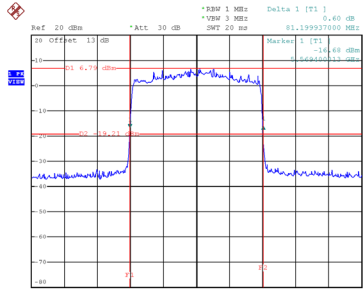
|           |                          |
|-----------|--------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode |
|-----------|--------------------------|

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 106     | 5530            | 88.390                | 77.600                        |
| 122     | 5610            | 81.200                | 76.800                        |

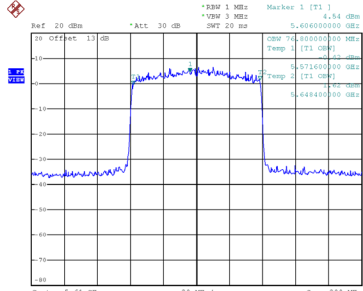
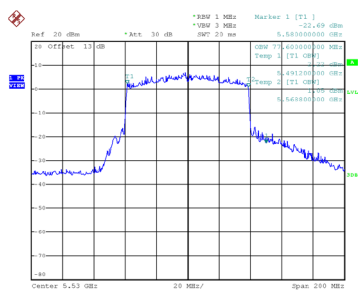
CH106



CH122  
26 dB Bandwidth



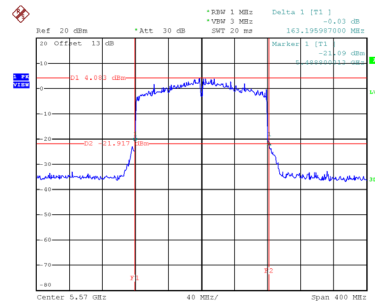
99 % Occupied Bandwidth



|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode |
|-----------|---------------------------|

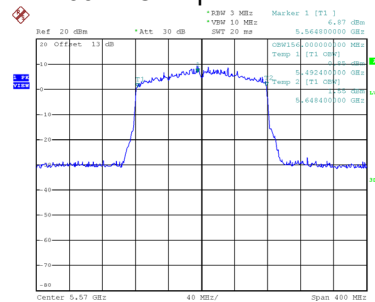
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 114     | 5570            | 163.196               | 156.000                       |

## CH114 26 dB Bandwidth



Date: 29\_JUL.2022 21:23:55

## 99 % Occupied Bandwidth



Date: 29\_JUL.2022 21:23:32

## **APPENDIX F - MAXIMUM OUTPUT POWER**

### Non Beamforming

|           |                          |
|-----------|--------------------------|
| Test Mode | UNII-2C_TX A Mode_Ant. 1 |
|-----------|--------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.41              | 0.18        | 10.59                            | 23.98            | 0.2500         | Complies |
| 116     | 5580            | 10.46              | 0.18        | 10.64                            | 23.98            | 0.2500         | Complies |
| 140     | 5700            | 11.25              | 0.18        | 11.43                            | 23.98            | 0.2500         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.93              | 0.31        | 11.24                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.64              | 0.31        | 10.95                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.72              | 0.31        | 11.03                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.61              | 0.31        | 10.92                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 11.16              | 0.31        | 11.47                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.52              | 0.31        | 10.83                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Ant. 3 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 9.87               | 0.31        | 10.18                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.67              | 0.31        | 10.98                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.12              | 0.31        | 10.43                            | 19.95            | 0.0989         | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 100     | 5500            | 15.58              | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 15.91              | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 15.54              | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.96              | 0.41        | 11.37                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 11.24              | 0.41        | 11.65                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.17              | 0.41        | 11.58                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.78              | 0.41        | 11.19                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 10.94              | 0.41        | 11.35                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.32              | 0.41        | 11.73                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Ant. 3 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.23              | 0.41        | 10.64                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 10.42              | 0.41        | 10.83                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 10.84              | 0.41        | 11.25                            | 19.95            | 0.0989         | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 102     | 5510            | 15.85              | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 16.06              | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 16.29              | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.83              | 0.47        | 11.30                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.69              | 0.47        | 11.16                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.64              | 0.47        | 11.11                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.98              | 0.47        | 11.45                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 11.24              | 0.47        | 11.71                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.99              | 0.47        | 11.46                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.17              | 0.47        | 10.64                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.67              | 0.47        | 11.14                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.36              | 0.47        | 10.83                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 100     | 5500            | 15.91              | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 16.11              | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 15.91              | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 11.05              | 0.82        | 11.87                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 11.29              | 0.82        | 12.11                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.18              | 0.82        | 12.00                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.91              | 0.82        | 11.73                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 11.08              | 0.82        | 11.90                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.35              | 0.82        | 12.17                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.37              | 0.82        | 11.19                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 10.47              | 0.82        | 11.29                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 10.88              | 0.82        | 11.70                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 102     | 5510            | 16.38              | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 16.55              | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 16.73              | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 11.19              | 0.74        | 11.93                            | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 10.68              | 0.74        | 11.42                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 11.07              | 0.74        | 11.81                            | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 11.21              | 0.74        | 11.95                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 10.38              | 0.74        | 11.12                            | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 10.63              | 0.74        | 11.37                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 106     | 5530            | 16.40              | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 16.36              | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.48              | 0.52        | 11.00                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.02              | 0.52        | 10.54                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 9.97               | 0.52        | 10.49                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.49              | 0.52        | 11.01                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.78              | 0.52        | 11.30                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.54              | 0.52        | 11.06                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.08              | 0.52        | 10.60                            | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 10.26              | 0.52        | 10.78                            | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 10.03              | 0.52        | 10.55                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 100     | 5500            | 15.64              | 19.95            | 0.0989         | Complies |
| 116     | 5580            | 15.65              | 19.95            | 0.0989         | Complies |
| 140     | 5700            | 15.48              | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 11.25              | 0.52        | 11.77                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 11.55              | 0.52        | 12.07                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.41              | 0.52        | 11.93                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 11.31              | 0.52        | 11.83                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 11.12              | 0.52        | 11.64                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.55              | 0.52        | 12.07                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.67              | 0.52        | 11.19                            | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 10.64              | 0.52        | 11.16                            | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 11.17              | 0.52        | 11.69                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 102     | 5510            | 16.38              | 19.95            | 0.0989         | Complies |
| 110     | 5550            | 16.41              | 19.95            | 0.0989         | Complies |
| 134     | 5670            | 16.67              | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 11.21              | 0.53        | 11.74                            | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 10.77              | 0.53        | 11.30                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 11.11              | 0.53        | 11.64                            | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 11.32              | 0.53        | 11.85                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 10.38              | 0.53        | 10.91                            | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 10.65              | 0.53        | 11.18                            | 19.95            | 0.0989         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 106     | 5530            | 16.22              | 19.95            | 0.0989         | Complies |
| 122     | 5610            | 16.23              | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 114     | 5570            | 11.06              | 1.25        | 12.31                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 114     | 5570            | 10.95              | 1.25        | 12.20                            | 19.95            | 0.0989         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 114     | 5570            | 10.13              | 1.25        | 11.38                            | 19.95            | 0.0989         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 114     | 5570            | 16.75              | 19.95            | 0.0989         | Complies |

### Beamforming

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.39              | 0.31        | 10.70                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.12              | 0.31        | 10.43                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 10.23              | 0.31        | 10.54                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.12              | 0.31        | 10.43                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.62              | 0.31        | 10.93                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 10.01              | 0.31        | 10.32                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Ant. 3 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 9.37               | 0.31        | 9.68                             | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.14              | 0.31        | 10.45                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 9.59               | 0.31        | 9.90                             | 19.99            | 0.0998         | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N(HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 100     | 5500            | 15.06              | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 15.38              | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 15.03              | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.45              | 0.41        | 10.86                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 10.70              | 0.41        | 11.11                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.66              | 0.41        | 11.07                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.24              | 0.41        | 10.65                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 10.45              | 0.41        | 10.86                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.78              | 0.41        | 11.19                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Ant. 3 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 9.74               | 0.41        | 10.15                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 9.92               | 0.41        | 10.33                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.33              | 0.41        | 10.74                            | 19.99            | 0.0998         | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N(HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 102     | 5510            | 15.33              | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 15.55              | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 15.77              | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.30              | 0.47        | 10.77                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.17              | 0.47        | 10.64                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 10.10              | 0.47        | 10.57                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 10.48              | 0.47        | 10.95                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.74              | 0.47        | 11.21                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 10.46              | 0.47        | 10.93                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 9.62               | 0.47        | 10.09                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.17              | 0.47        | 10.64                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 9.86               | 0.47        | 10.33                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 100     | 5500            | 15.39              | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 15.61              | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 15.38              | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.55              | 0.82        | 11.37                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 10.74              | 0.82        | 11.56                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.67              | 0.82        | 11.49                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.36              | 0.82        | 11.18                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 10.57              | 0.82        | 11.39                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.81              | 0.82        | 11.63                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 9.84               | 0.82        | 10.66                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 9.98               | 0.82        | 10.80                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.36              | 0.82        | 11.18                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 102     | 5510            | 15.85              | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 16.03              | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 16.21              | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 10.68              | 0.74        | 11.42                            | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 10.19              | 0.74        | 10.93                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 10.57              | 0.74        | 11.31                            | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 10.68              | 0.74        | 11.42                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 9.84               | 0.74        | 10.58                            | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 10.15              | 0.74        | 10.89                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 106     | 5530            | 15.89              | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 15.85              | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 9.99               | 0.52        | 10.51                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 9.50               | 0.52        | 10.02                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 9.47               | 0.52        | 9.99                             | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 9.97               | 0.52        | 10.49                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 10.25              | 0.52        | 10.77                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 10.01              | 0.52        | 10.53                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 100     | 5500            | 9.58               | 0.52        | 10.10                            | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 9.76               | 0.52        | 10.28                            | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 9.48               | 0.52        | 10.00                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 100     | 5500            | 15.14              | 19.99            | 0.0998         | Complies |
| 116     | 5580            | 15.14              | 19.99            | 0.0998         | Complies |
| 140     | 5700            | 14.95              | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.75              | 0.52        | 11.27                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 11.06              | 0.52        | 11.58                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.92              | 0.52        | 11.44                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.77              | 0.52        | 11.29                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 10.60              | 0.52        | 11.12                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 11.01              | 0.52        | 11.53                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 102     | 5510            | 10.18              | 0.52        | 10.70                            | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 10.13              | 0.52        | 10.65                            | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 10.67              | 0.52        | 11.19                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 102     | 5510            | 15.87              | 19.99            | 0.0998         | Complies |
| 110     | 5550            | 15.91              | 19.99            | 0.0998         | Complies |
| 134     | 5670            | 16.16              | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 10.68              | 0.53        | 11.21                            | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 10.27              | 0.53        | 10.80                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 10.57              | 0.53        | 11.10                            | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 10.83              | 0.53        | 11.36                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 106     | 5530            | 9.85               | 0.53        | 10.38                            | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 10.15              | 0.53        | 10.68                            | 19.99            | 0.0998         | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 106     | 5530            | 15.69              | 19.99            | 0.0998         | Complies |
| 122     | 5610            | 15.73              | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 114     | 5570            | 10.55              | 1.25        | 11.80                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 114     | 5570            | 10.41              | 1.25        | 11.66                            | 19.99            | 0.0998         | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 114     | 5570            | 9.65               | 1.25        | 10.90                            | 19.99            | 0.0998         | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Total |
|-----------|---------------------------------|

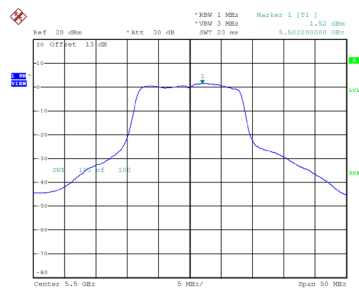
| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 114     | 5570            | 16.24              | 19.99            | 0.0998         | Complies |

## **APPENDIX G - POWER SPECTRAL DENSITY**

|           |                          |
|-----------|--------------------------|
| Test Mode | UNII-2C_TX A Mode_Ant. 1 |
|-----------|--------------------------|

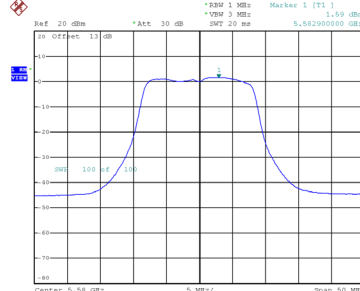
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 1.52                             | 0.18        | 1.70                                           | 11.00                | Complies |
| 116     | 5580            | 1.59                             | 0.18        | 1.77                                           | 11.00                | Complies |
| 140     | 5700            | 1.72                             | 0.18        | 1.90                                           | 11.00                | Complies |

CH100



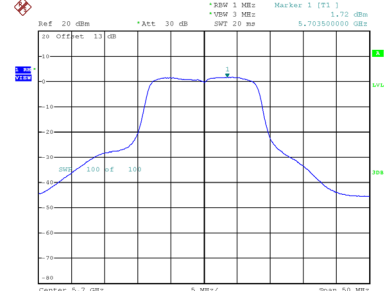
Date: 26.JUL.2022 19:13:21

CH116



Date: 26.JUL.2022 19:17:06

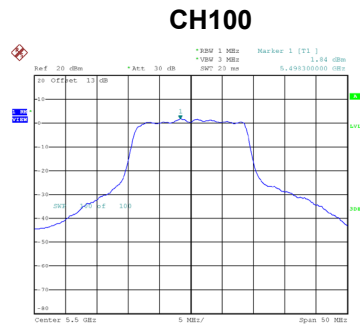
CH140



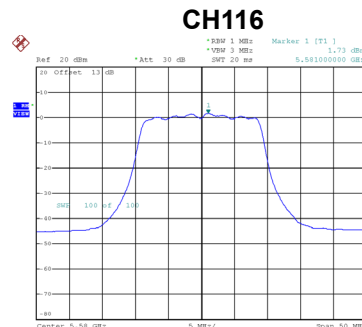
Date: 26.JUL.2022 19:22:19

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

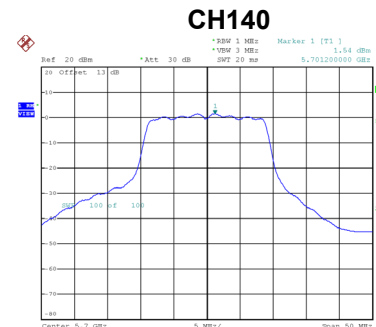
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 1.84                             | 0.47        | 2.31                                           | 6.97                 | Complies |
| 116     | 5580            | 1.73                             | 0.47        | 2.20                                           | 6.97                 | Complies |
| 140     | 5700            | 1.54                             | 0.47        | 2.01                                           | 6.97                 | Complies |



Date: 26.JUL.2022 19:30:29



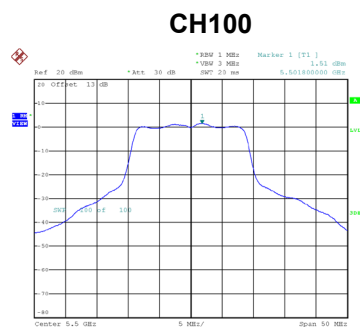
Date: 26.JUL.2022 19:33:27



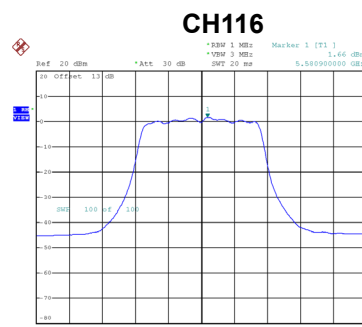
Date: 26.JUL.2022 19:43:40

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

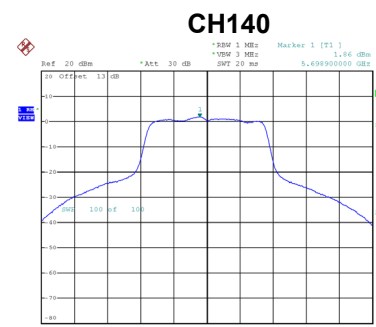
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 1.51                             | 0.47        | 1.98                                           | 6.97                 | Complies |
| 116     | 5580            | 1.66                             | 0.47        | 2.13                                           | 6.97                 | Complies |
| 140     | 5700            | 1.86                             | 0.47        | 2.33                                           | 6.97                 | Complies |



Date: 26.JUL.2022 19:31:03



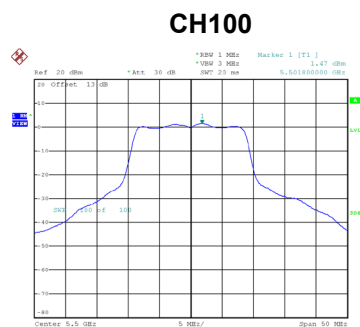
Date: 26.JUL.2022 19:35:25



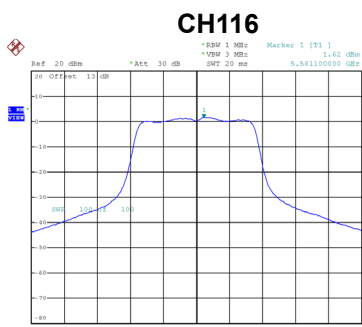
Date: 26.JUL.2022 19:43:07

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Ant. 3 |
|-----------|----------------------------------|

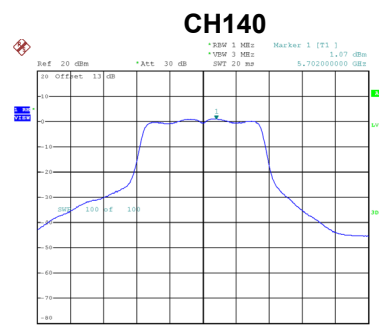
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 1.47                             | 0.47        | 1.94                                           | 6.97                 | Complies |
| 116     | 5580            | 1.62                             | 0.47        | 2.09                                           | 6.97                 | Complies |
| 140     | 5700            | 1.07                             | 0.47        | 1.54                                           | 6.97                 | Complies |



Date: 26.JUL.2022 19:31:30



Date: 26.JUL.2022 19:36:50



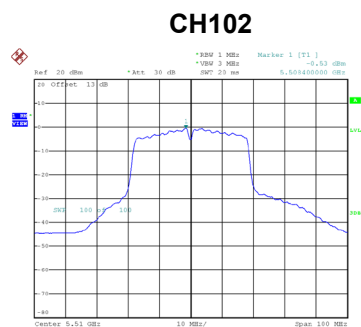
Date: 26.JUL.2022 19:44:17

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT20) Mode_Total |
|-----------|---------------------------------|

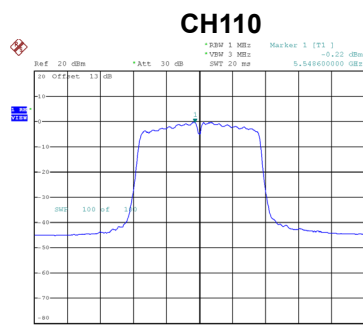
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 100     | 5500            | 6.85                             | 6.97                 | Complies |
| 116     | 5580            | 6.91                             | 6.97                 | Complies |
| 140     | 5700            | 6.74                             | 6.97                 | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

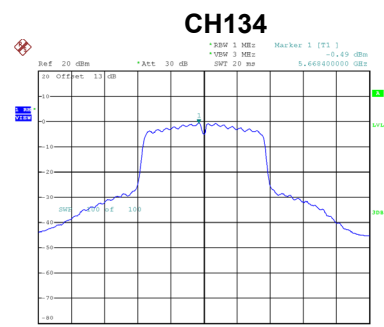
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 102     | 5510            | -0.53                            | 0.82        | 0.29                                           | 6.97                 | Complies |
| 110     | 5550            | -0.22                            | 0.82        | 0.60                                           | 6.97                 | Complies |
| 134     | 5670            | -0.49                            | 0.82        | 0.33                                           | 6.97                 | Complies |



Date: 26.JUL.2022 19:48:13



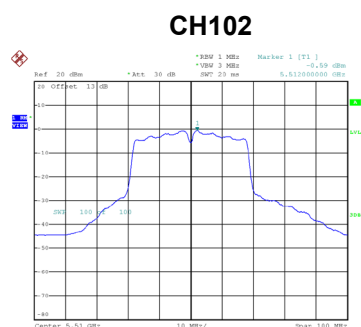
Date: 26.JUL.2022 19:53:52



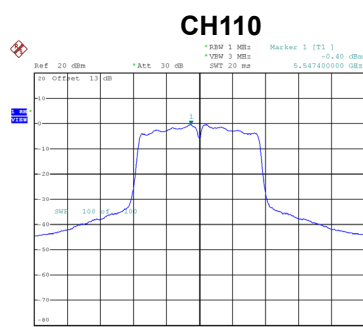
Date: 26.JUL.2022 19:56:25

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

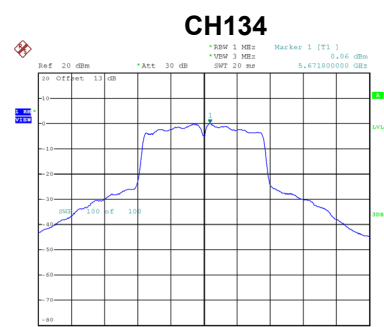
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 102     | 5510            | -0.59                            | 0.82        | 0.23                                           | 6.97                 | Complies |
| 110     | 5550            | -0.40                            | 0.82        | 0.42                                           | 6.97                 | Complies |
| 134     | 5670            | 0.06                             | 0.82        | 0.88                                           | 6.97                 | Complies |



Date: 26.JUL.2022 19:50:20



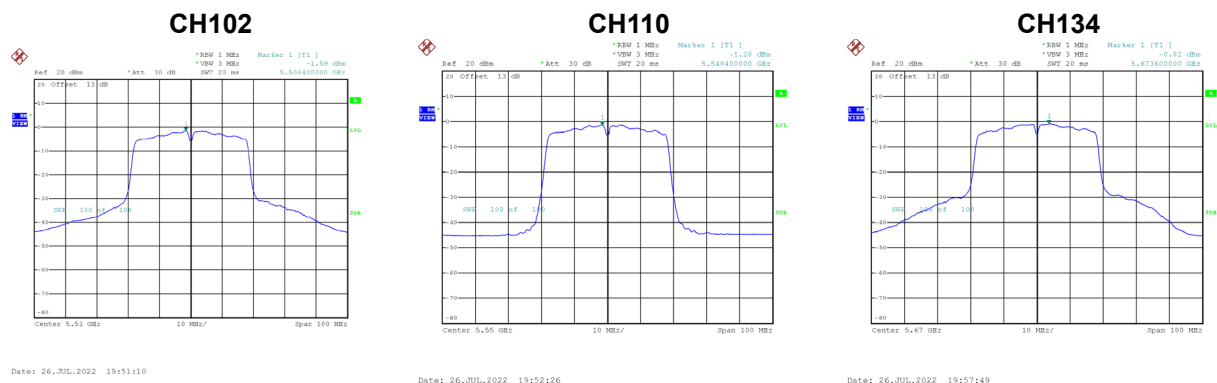
Date: 26.JUL.2022 19:52:59



Date: 26.JUL.2022 19:57:14

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 102     | 5510            | -1.59                            | 0.82        | -0.77                                          | 6.97                 | Complies |
| 110     | 5550            | -1.28                            | 0.82        | -0.46                                          | 6.97                 | Complies |
| 134     | 5670            | -0.82                            | 0.82        | 0.00                                           | 6.97                 | Complies |



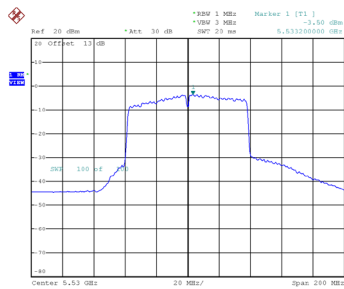
|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 102     | 5510            | 4.71                             | 6.97                 | Complies |
| 110     | 5550            | 4.98                             | 6.97                 | Complies |
| 134     | 5670            | 5.19                             | 6.97                 | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

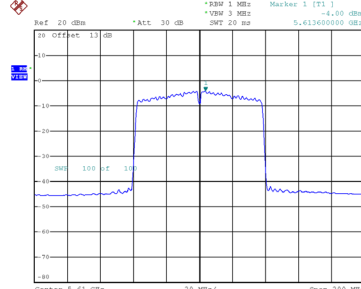
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 106     | 5530            | -3.50                            | 0.74        | -2.76                                          | 6.97                 | Complies |
| 122     | 5610            | -4.00                            | 0.74        | -3.26                                          | 6.97                 | Complies |

CH106



Date: 26.JUL.2022 20:02:29

CH122

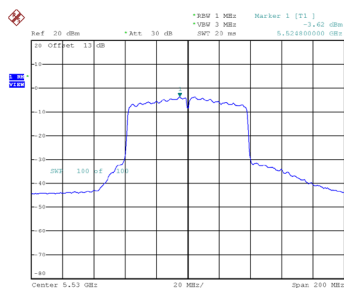


Date: 26.JUL.2022 20:03:34

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

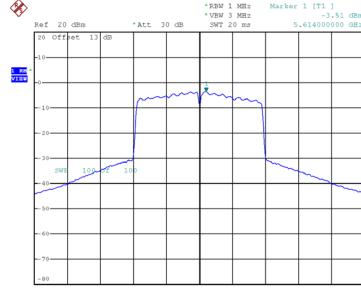
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 106     | 5530            | -3.62                            | 0.74        | -2.88                                          | 6.97                 | Complies |
| 122     | 5610            | -3.51                            | 0.74        | -2.77                                          | 6.97                 | Complies |

CH106



Date: 26.JUL.2022 20:01:50

CH122

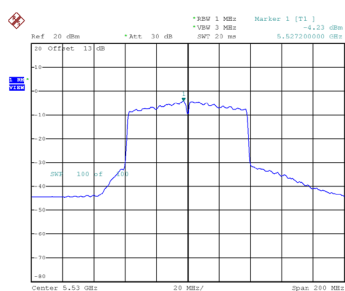


Date: 26.JUL.2022 20:04:35

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Ant. 3 |
|-----------|----------------------------------|

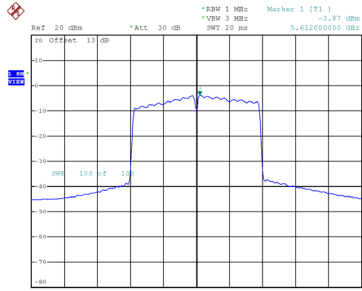
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 106     | 5530            | -4.23                            | 0.74        | -3.49                                          | 6.97                 | Complies |
| 122     | 5610            | -3.87                            | 0.74        | -3.13                                          | 6.97                 | Complies |

CH106



Date: 26.JUL.2022 20:01:15

CH122



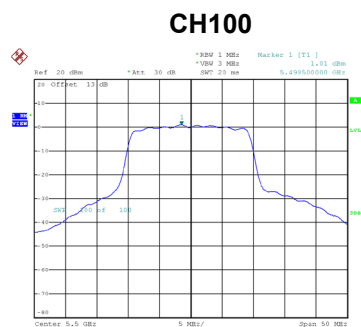
Date: 26.JUL.2022 20:05:18

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC(VHT80) Mode_Total |
|-----------|---------------------------------|

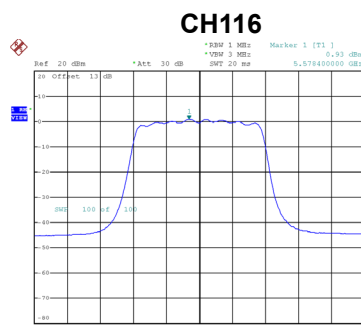
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 106     | 5530            | 1.74                             | 6.97                 | Complies |
| 122     | 5610            | 1.72                             | 6.97                 | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 1 |
|-----------|---------------------------------|

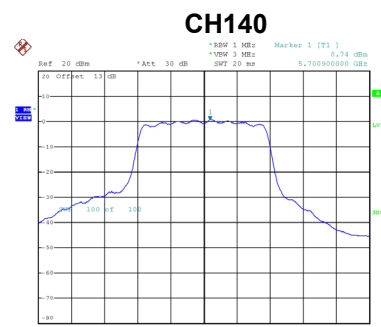
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 1.01                             | 0.52        | 1.53                                           | 6.97                 | Complies |
| 116     | 5580            | 0.93                             | 0.52        | 1.45                                           | 6.97                 | Complies |
| 140     | 5700            | 0.74                             | 0.52        | 1.26                                           | 6.97                 | Complies |



Date: 26.JUL.2022 20:09:52



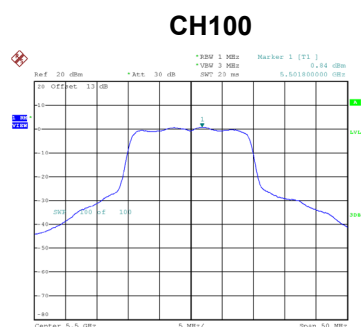
Date: 26.JUL.2022 20:15:06



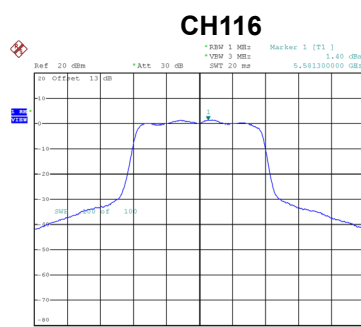
Date: 26.JUL.2022 20:21:47

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 2 |
|-----------|---------------------------------|

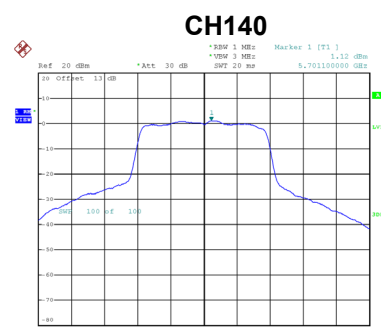
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 0.84                             | 0.52        | 1.36                                           | 6.97                 | Complies |
| 116     | 5580            | 1.40                             | 0.52        | 1.92                                           | 6.97                 | Complies |
| 140     | 5700            | 1.12                             | 0.52        | 1.64                                           | 6.97                 | Complies |



Date: 26.JUL.2022 20:10:30



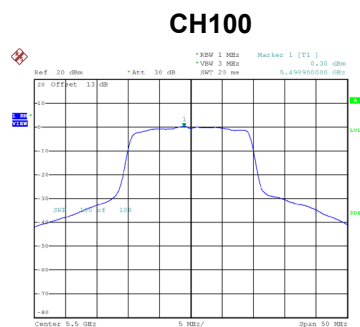
Date: 26.JUL.2022 20:14:14



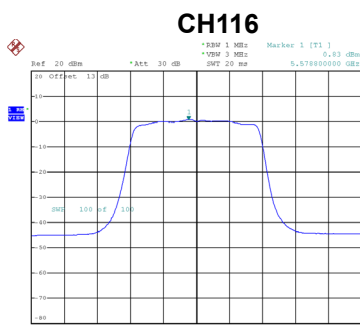
Date: 26.JUL.2022 20:21:17

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Ant. 3 |
|-----------|---------------------------------|

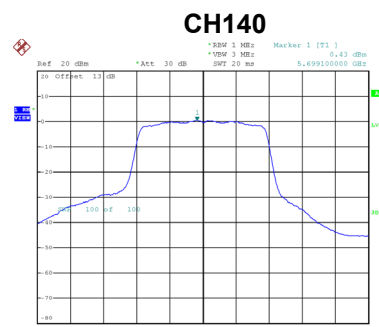
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 100     | 5500            | 0.30                             | 0.52        | 0.82                                           | 6.97                 | Complies |
| 116     | 5580            | 0.83                             | 0.52        | 1.35                                           | 6.97                 | Complies |
| 140     | 5700            | 0.43                             | 0.52        | 0.95                                           | 6.97                 | Complies |



Date: 26.JUL.2022 20:10:56



Date: 26.JUL.2022 20:15:34



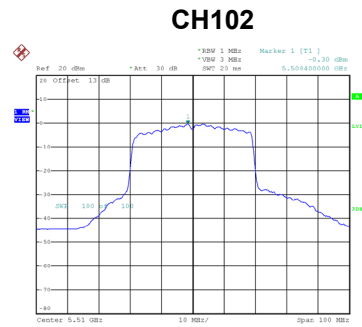
Date: 26.JUL.2022 20:22:33

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE20) Mode_Total |
|-----------|--------------------------------|

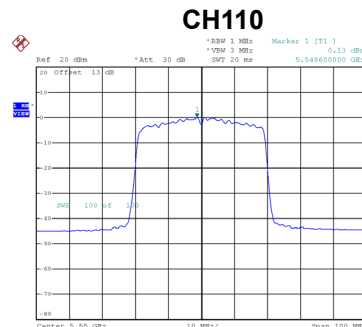
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 100     | 5500            | 6.02                             | 6.97                 | Complies |
| 116     | 5580            | 6.35                             | 6.97                 | Complies |
| 140     | 5700            | 6.06                             | 6.97                 | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 1 |
|-----------|---------------------------------|

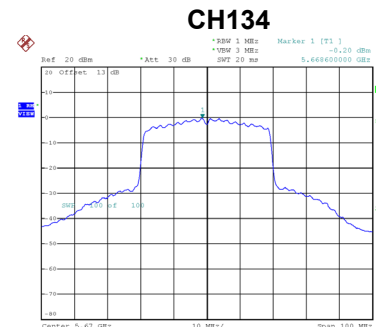
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 102     | 5510            | -0.30                            | 0.52        | 0.22                                           | 6.97                 | Complies |
| 110     | 5550            | 0.13                             | 0.52        | 0.65                                           | 6.97                 | Complies |
| 134     | 5670            | -0.20                            | 0.52        | 0.32                                           | 6.97                 | Complies |



Date: 26.JUL.2022 20:27:13



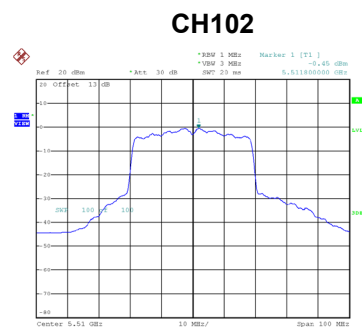
Date: 26.JUL.2022 20:29:39



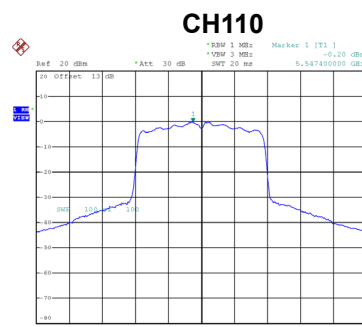
Date: 26.JUL.2022 20:36:12

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 2 |
|-----------|---------------------------------|

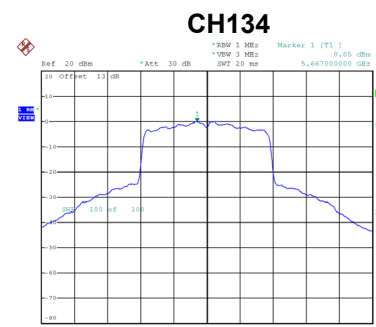
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 102     | 5510            | -0.45                            | 0.52        | 0.07                                           | 6.97                 | Complies |
| 110     | 5550            | -0.20                            | 0.52        | 0.32                                           | 6.97                 | Complies |
| 134     | 5670            | 0.05                             | 0.52        | 0.57                                           | 6.97                 | Complies |



Date: 26.JUL.2022 20:26:38



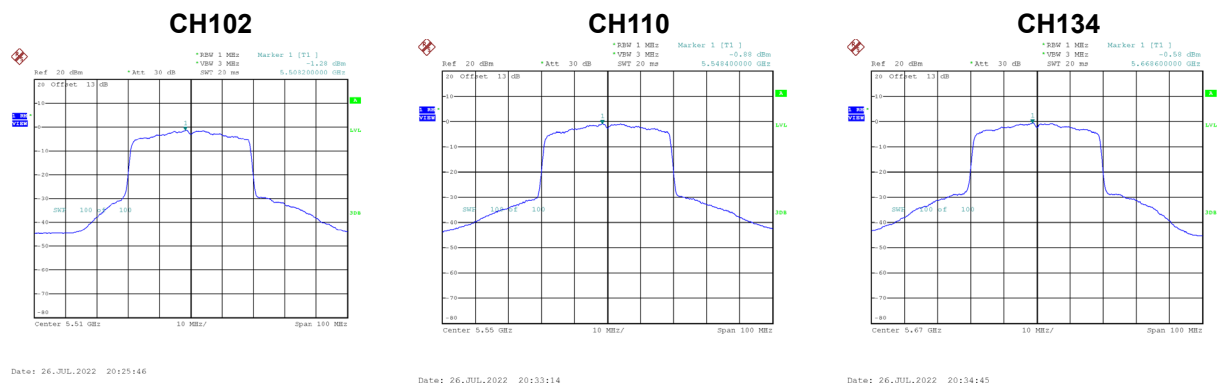
Date: 26.JUL.2022 20:30:56



Date: 26.JUL.2022 20:35:27

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Ant. 3 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 102     | 5510            | -1.28                            | 0.52        | -0.76                                          | 6.97                 | Complies |
| 110     | 5550            | -0.88                            | 0.52        | -0.36                                          | 6.97                 | Complies |
| 134     | 5670            | -0.58                            | 0.52        | -0.06                                          | 6.97                 | Complies |



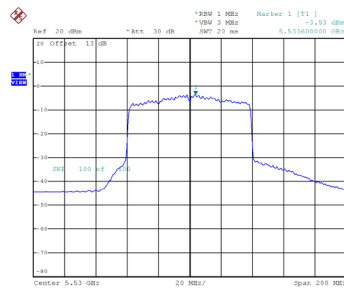
|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 102     | 5510            | 4.64                             | 6.97                 | Complies |
| 110     | 5550            | 5.00                             | 6.97                 | Complies |
| 134     | 5670            | 5.06                             | 6.97                 | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 1 |
|-----------|---------------------------------|

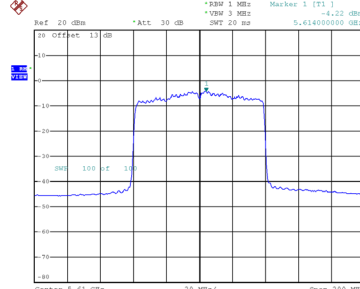
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 106     | 5530            | -3.53                            | 0.53        | -3.00                                          | 6.97                 | Complies |
| 122     | 5610            | -4.22                            | 0.53        | -3.69                                          | 6.97                 | Complies |

CH106



Date: 26.JUL.2022 20:38:20

CH122

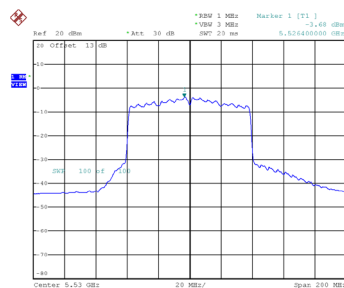


Date: 26.JUL.2022 20:42:23

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 2 |
|-----------|---------------------------------|

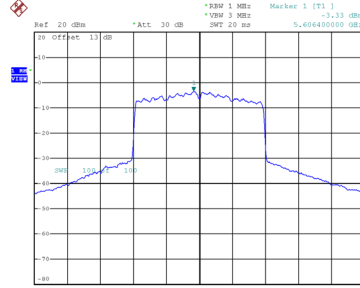
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 106     | 5530            | -3.68                            | 0.53        | -3.15                                          | 6.97                 | Complies |
| 122     | 5610            | -3.33                            | 0.53        | -2.80                                          | 6.97                 | Complies |

CH106



Date: 26.JUL.2022 20:39:28

CH122

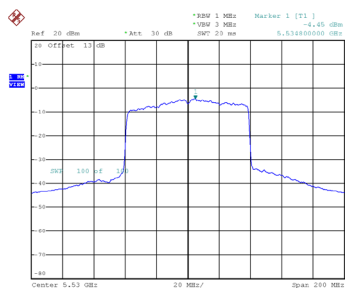


Date: 26.JUL.2022 20:41:48

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Ant. 3 |
|-----------|---------------------------------|

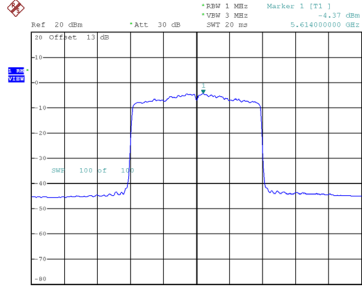
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 106     | 5530            | -4.45                            | 0.53        | -3.92                                          | 6.97                 | Complies |
| 122     | 5610            | -4.37                            | 0.53        | -3.84                                          | 6.97                 | Complies |

CH106



Date: 26.JUL.2022 20:40:09

CH122



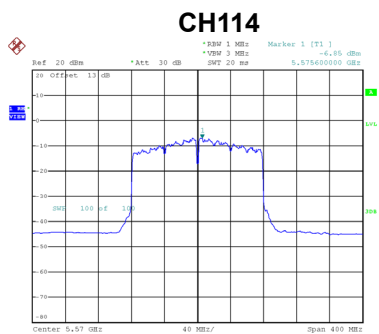
Date: 26.JUL.2022 20:41:13

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX(HE80) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 106     | 5530            | 1.44                             | 6.97                 | Complies |
| 122     | 5610            | 1.36                             | 6.97                 | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 1 |
|-----------|----------------------------------|

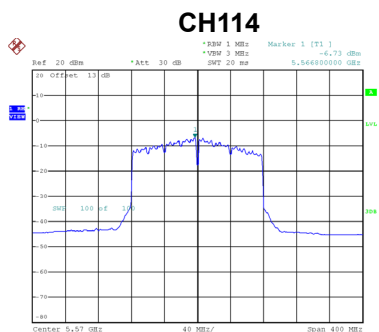
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 114     | 5570            | -6.85                            | 1.25        | -5.60                                          | 6.97                 | Complies |



Date: 26.JUL.2022 20:43:32

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 2 |
|-----------|----------------------------------|

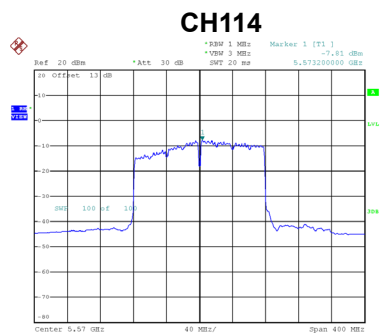
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 114     | 5570            | -6.73                            | 1.25        | -5.48                                          | 6.97                 | Complies |



Date: 26.JUL.2022 20:44:15

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Ant. 3 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 114     | 5570            | -7.81                            | 1.25        | -6.56                                          | 6.97                 | Complies |



Date: 26.JUL.2022 20:44:49

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX(HE160) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 114     | 5570            | -1.08                            | 6.97                 | Complies |

## **APPENDIX H - FREQUENCY STABILITY**

|           |         |
|-----------|---------|
| Test Mode | UNII-2C |
|-----------|---------|

#### Voltage vs. Frequency Stability

| Voltage (V)             | Measurement Frequency (MHz) |
|-------------------------|-----------------------------|
| Center Frequency        | 5500.0000                   |
| 138                     | 5499.9750                   |
| 120                     | 5499.9599                   |
| 102                     | 5499.9600                   |
| Maximum Deviation (MHz) | 0.0401                      |
| Maximum Deviation (ppm) | 7.2955                      |

#### Temperature vs. Frequency Stability

| Temperature (°C)        | Measurement Frequency (MHz) |
|-------------------------|-----------------------------|
| Center Frequency        | 5500.0000                   |
| -5                      | 5499.9599                   |
| 5                       | 5499.9599                   |
| 15                      | 5499.9600                   |
| 25                      | 5499.9600                   |
| 35                      | 5499.9750                   |
| 45                      | 5499.9800                   |
| Maximum Deviation (MHz) | 0.0401                      |
| Maximum Deviation (ppm) | 7.2932                      |

**End of Test Report**