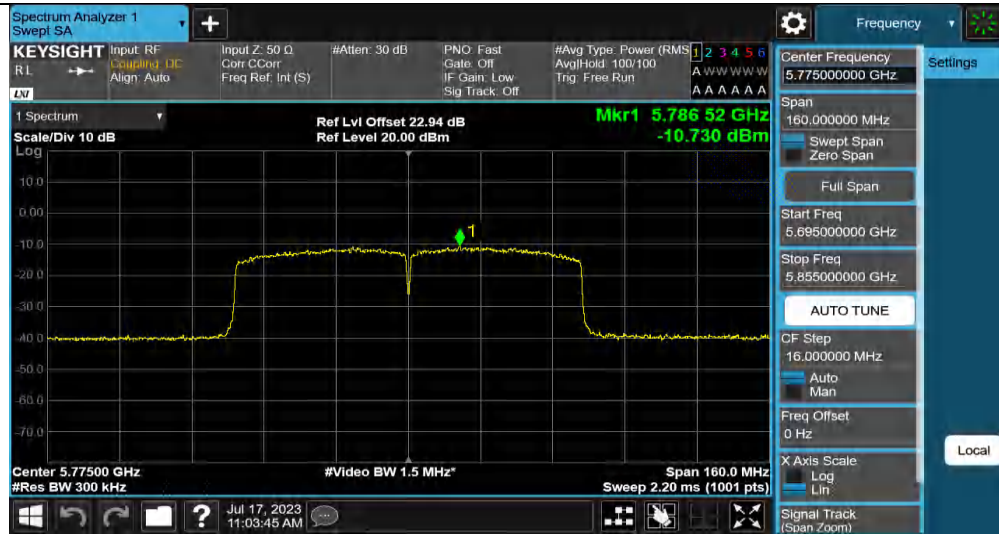
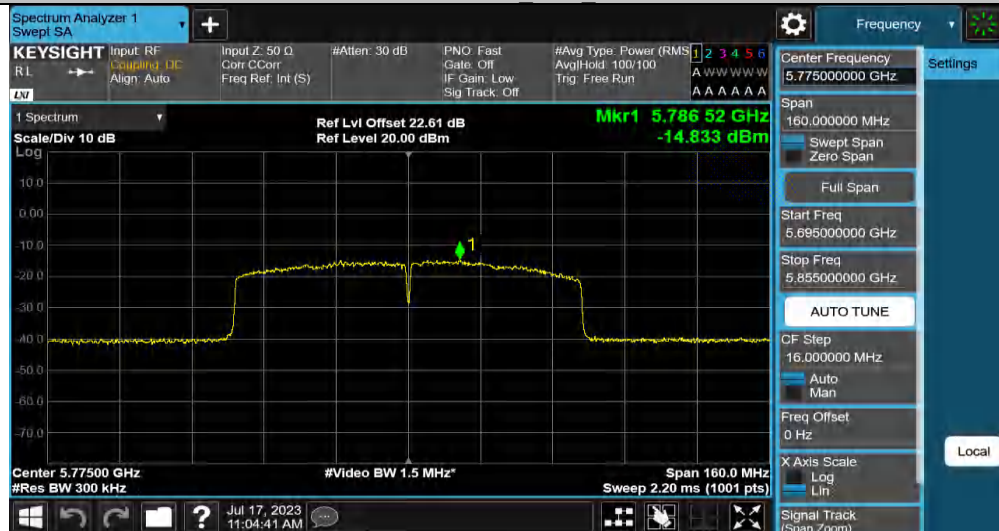




11AC80MIMO Ant2 5775



## 1.6 Appendix G: Frequency Stability

### 1.6.1 Test Result

| Voltage    |         |         |               |                  |                |                 |             |         |
|------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode   | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20SISO | Ant1    | 5180    | NV            | NT               | -2000.00       | -0.386100       | 20          | PASS    |
|            |         | 5200    | NV            | NT               | 28000.00       | 5.384615        | 20          | PASS    |
|            |         | 5240    | NV            | NT               | 5000.00        | 0.954198        | 20          | PASS    |
|            |         | 5745    | NV            | NT               | 92000.00       | 16.013925       | 20          | PASS    |
|            |         | 5785    | NV            | NT               | 30000.00       | 5.185825        | 20          | PASS    |
|            |         | 5825    | NV            | NT               | 13000.00       | 2.231760        | 20          | PASS    |
| 11AC40SISO | Ant1    | 5190    | NV            | NT               | 6000.00        | 1.156069        | 20          | PASS    |
|            |         | 5230    | NV            | NT               | 3000.00        | 0.573614        | 20          | PASS    |
|            |         | 5755    | NV            | NT               | 3000.00        | 0.521286        | 20          | PASS    |
|            |         | 5795    | NV            | NT               | 4000.00        | 0.690250        | 20          | PASS    |
| 11AC80SISO | Ant1    | 5210    | NV            | NT               | 4000.00        | 0.767754        | 20          | PASS    |
|            |         | 5775    | NV            | NT               | 32000.00       | 5.541126        | 20          | PASS    |

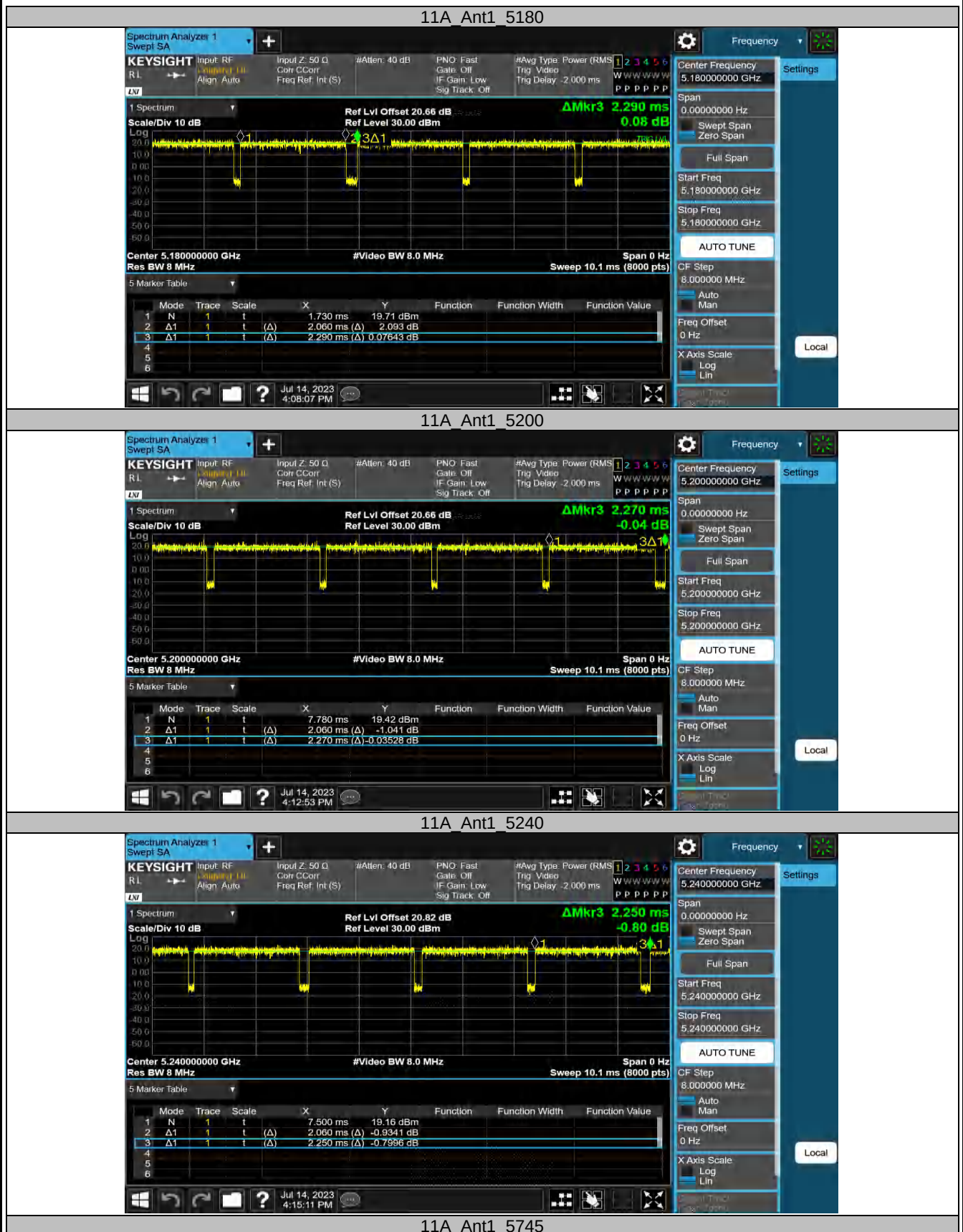
| Temperature |         |         |               |                  |                |                 |             |         |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode    | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20SISO  | Ant1    | 5180    | NV            | 0                | 16000.00       | 3.088803        | 20          | PASS    |
|             |         |         | NV            | 40               | 41000.00       | 7.915058        | 20          | PASS    |
|             |         | 5200    | NV            | 0                | 19000.00       | 3.653846        | 20          | PASS    |
|             |         |         | NV            | 40               | 12000.00       | 2.307692        | 20          | PASS    |
|             |         | 5240    | NV            | 0                | 2000.00        | 0.381679        | 20          | PASS    |
|             |         |         | NV            | 40               | 1000.00        | 0.190840        | 20          | PASS    |
|             |         | 5745    | NV            | 0                | 63000.00       | 10.966057       | 20          | PASS    |
|             |         |         | NV            | 40               | 49000.00       | 8.529156        | 20          | PASS    |
|             |         | 5785    | NV            | 0                | 24000.00       | 4.148660        | 20          | PASS    |
|             |         |         | NV            | 40               | 19000.00       | 3.284356        | 20          | PASS    |
|             |         | 5825    | NV            | 0                | 12000.00       | 2.060086        | 20          | PASS    |
|             |         |         | NV            | 40               | 10000.00       | 1.716738        | 20          | PASS    |
| 11AC40SISO  | Ant1    | 5190    | NV            | 0                | 6000.00        | 1.156069        | 20          | PASS    |
|             |         |         | NV            | 40               | 5000.00        | 0.963391        | 20          | PASS    |
|             |         | 5230    | NV            | 0                | 2000.00        | 0.382409        | 20          | PASS    |
|             |         |         | NV            | 40               | 3000.00        | 0.573614        | 20          | PASS    |
|             |         | 5755    | NV            | 0                | 4000.00        | 0.695048        | 20          | PASS    |
|             |         |         | NV            | 40               | 5000.00        | 0.868810        | 20          | PASS    |
|             |         | 5795    | NV            | 0                | 2000.00        | 0.345125        | 20          | PASS    |
|             |         |         | NV            | 40               | 2000.00        | 0.345125        | 20          | PASS    |
| 11AC80SISO  | Ant1    | 5210    | NV            | 0                | 11000.00       | 2.111324        | 20          | PASS    |
|             |         |         | NV            | 40               | 19000.00       | 3.646833        | 20          | PASS    |
|             |         | 5775    | NV            | 0                | 43000.00       | 7.445887        | 20          | PASS    |
|             |         |         | NV            | 40               | 51000.00       | 8.831169        | 20          | PASS    |

## 1.7 Appendix H: Duty Cycle

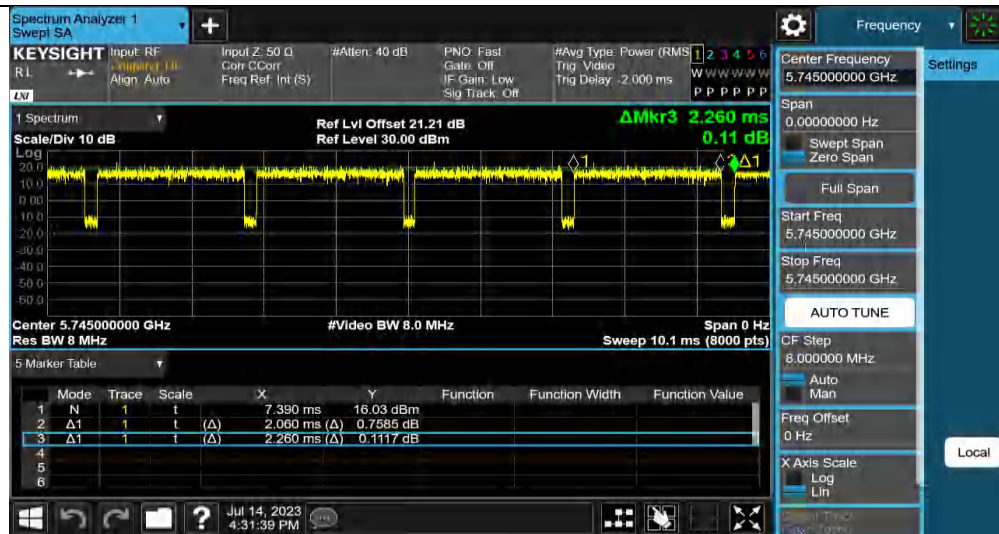
### 1.7.1 Test Result

| TestMode   | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit |
|------------|---------|---------|----------------------------|--------------------------|----------------|-------|
| 11A        | Ant1    | 5180    | 2.06                       | 2.29                     | 89.96          | ---   |
|            |         | 5200    | 2.06                       | 2.27                     | 90.75          | ---   |
|            |         | 5240    | 2.06                       | 2.25                     | 91.56          | ---   |
|            |         | 5745    | 2.06                       | 2.26                     | 91.15          | ---   |
|            |         | 5785    | 2.06                       | 2.30                     | 89.57          | ---   |
|            |         | 5825    | 2.06                       | 2.29                     | 89.96          | ---   |
| 11N20MIMO  | Ant1    | 5180    | 1.92                       | 2.12                     | 90.57          | ---   |
|            |         | 5200    | 1.92                       | 2.13                     | 90.14          | ---   |
|            |         | 5240    | 1.92                       | 2.15                     | 89.30          | ---   |
|            |         | 5745    | 1.92                       | 2.12                     | 90.57          | ---   |
|            |         | 5785    | 1.92                       | 2.12                     | 90.57          | ---   |
|            |         | 5825    | 1.92                       | 2.15                     | 89.30          | ---   |
| 11N40MIMO  | Ant1    | 5190    | 0.94                       | 1.11                     | 84.68          | ---   |
|            |         | 5230    | 0.94                       | 1.16                     | 81.03          | ---   |
|            |         | 5755    | 0.94                       | 1.10                     | 85.45          | ---   |
|            |         | 5795    | 0.94                       | 1.09                     | 86.23          | ---   |
| 11AC20MIMO | Ant1    | 5180    | 1.94                       | 2.13                     | 91.08          | ---   |
|            |         | 5200    | 1.94                       | 2.15                     | 90.23          | ---   |
|            |         | 5240    | 1.94                       | 2.15                     | 90.23          | ---   |
|            |         | 5745    | 1.93                       | 2.14                     | 90.19          | ---   |
|            |         | 5785    | 1.94                       | 2.18                     | 88.99          | ---   |
|            |         | 5825    | 1.94                       | 2.16                     | 89.81          | ---   |
| 11AC40MIMO | Ant1    | 5190    | 0.95                       | 1.20                     | 79.17          | ---   |
|            |         | 5230    | 0.95                       | 1.19                     | 79.83          | ---   |
|            |         | 5755    | 0.95                       | 1.21                     | 78.51          | ---   |
|            |         | 5795    | 0.95                       | 1.17                     | 81.20          | ---   |
| 11AC80MIMO | Ant1    | 5210    | 0.46                       | 0.71                     | 64.79          | ---   |
|            |         | 5775    | 0.46                       | 0.70                     | 65.71          | ---   |

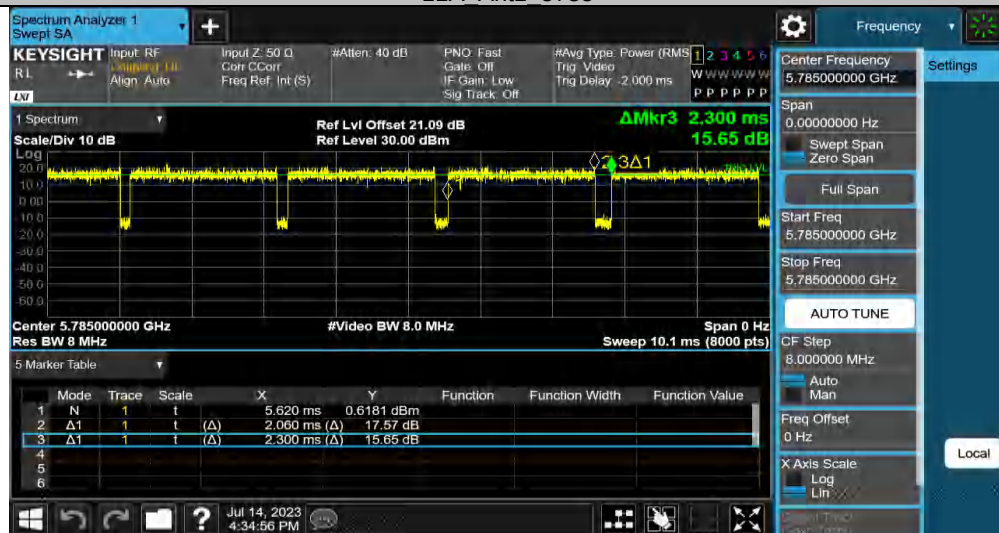
## 1.7.2 Test Graphs



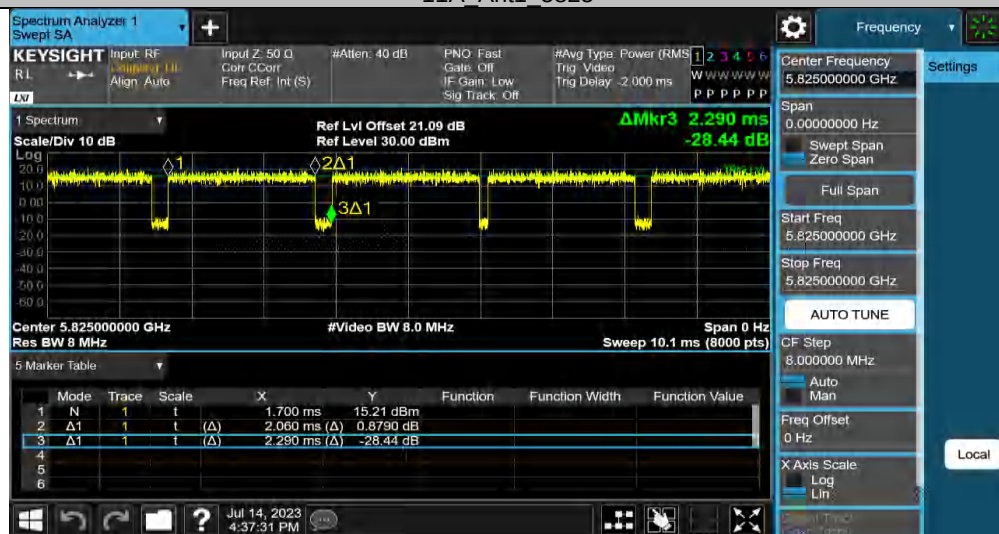




11A Ant1 5785



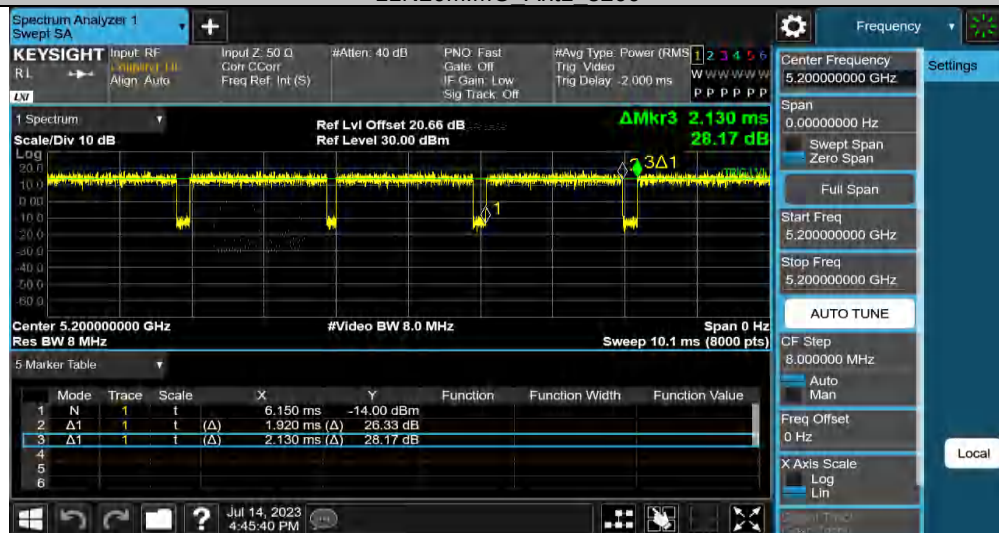
11A Ant1 5825



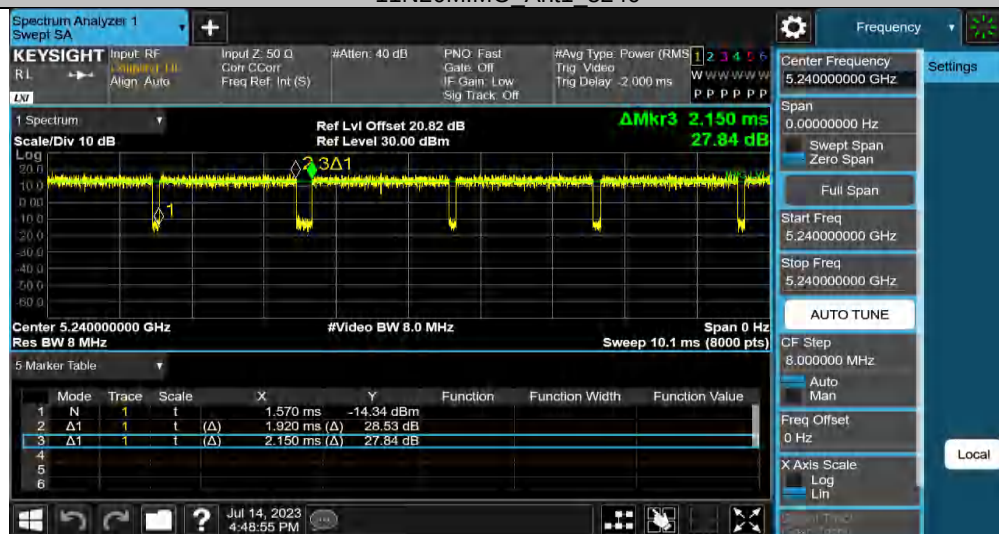
11N20MIMO Ant1 5180



11N20MIMO Ant1 5200



11N20MIMO Ant1 5240

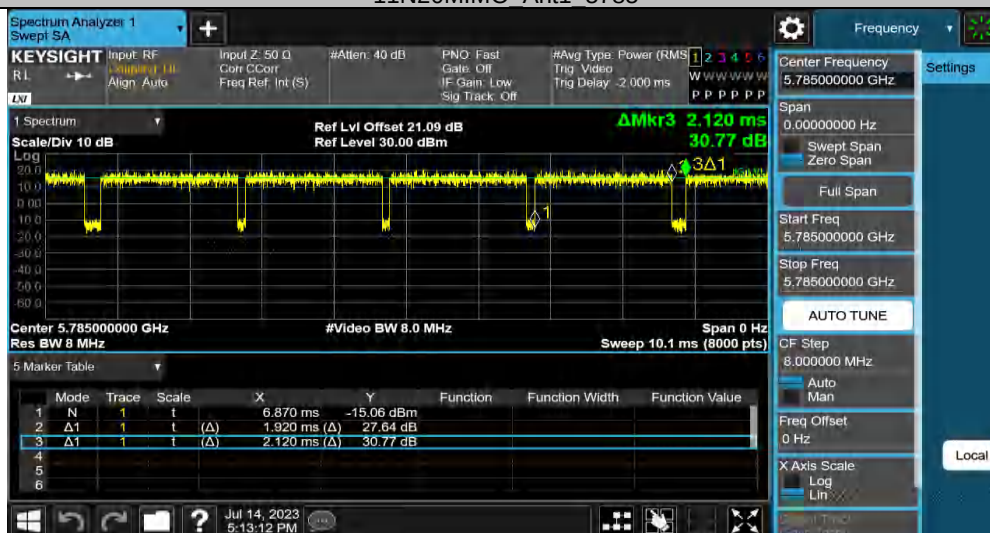


11N20MIMO Ant1 5745

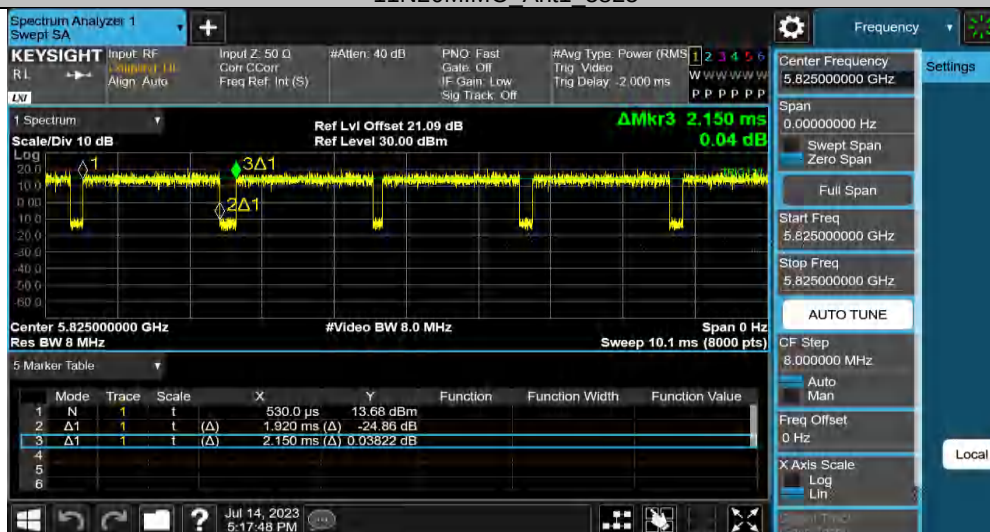




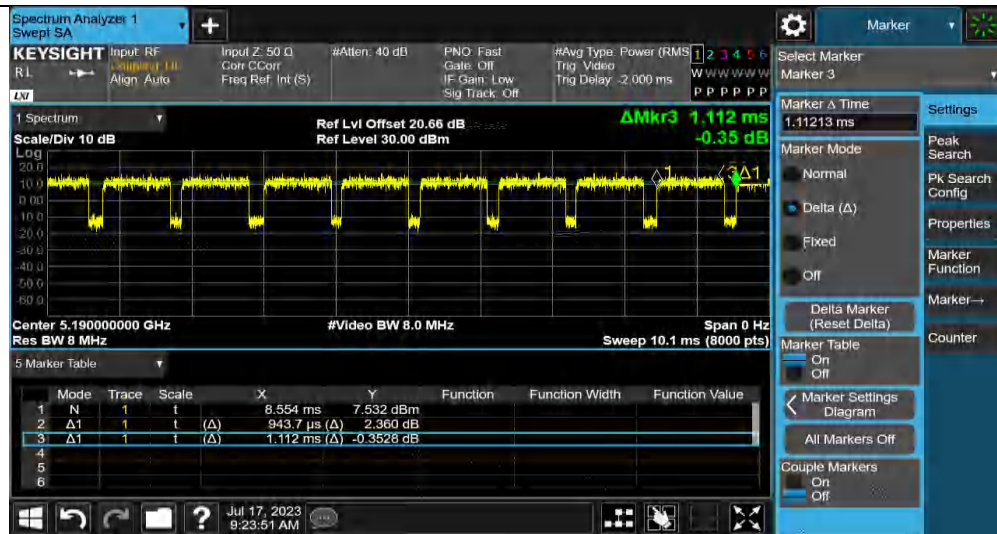
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11N20MIMO Ant1 5825



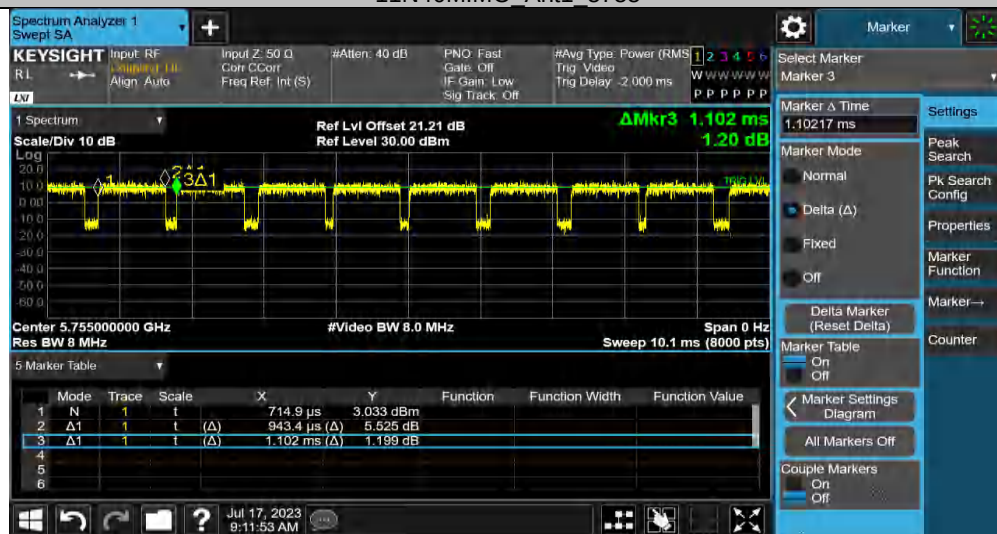
11N40MIMO Ant1 5190



11N40MIMO Ant1 5230

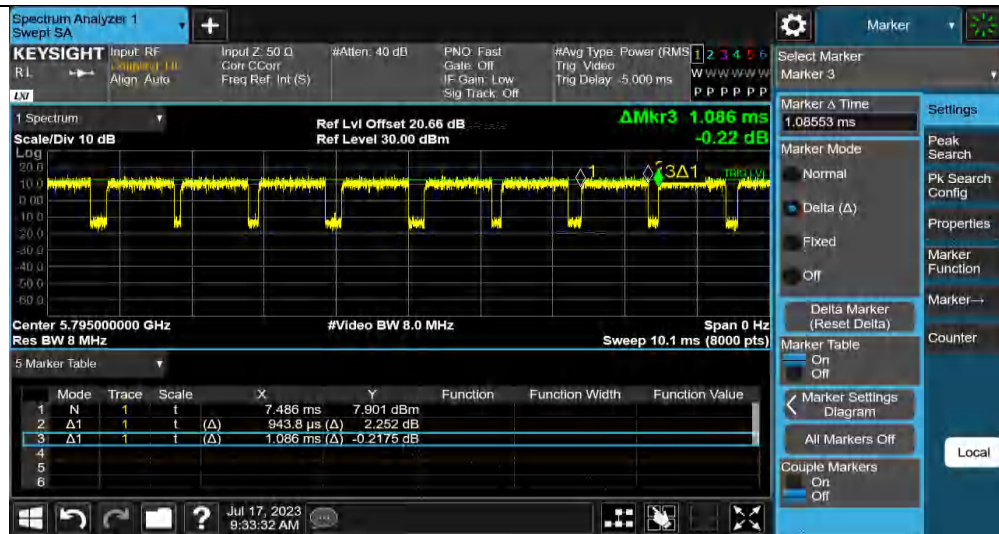


11N40MIMO Ant1 5755

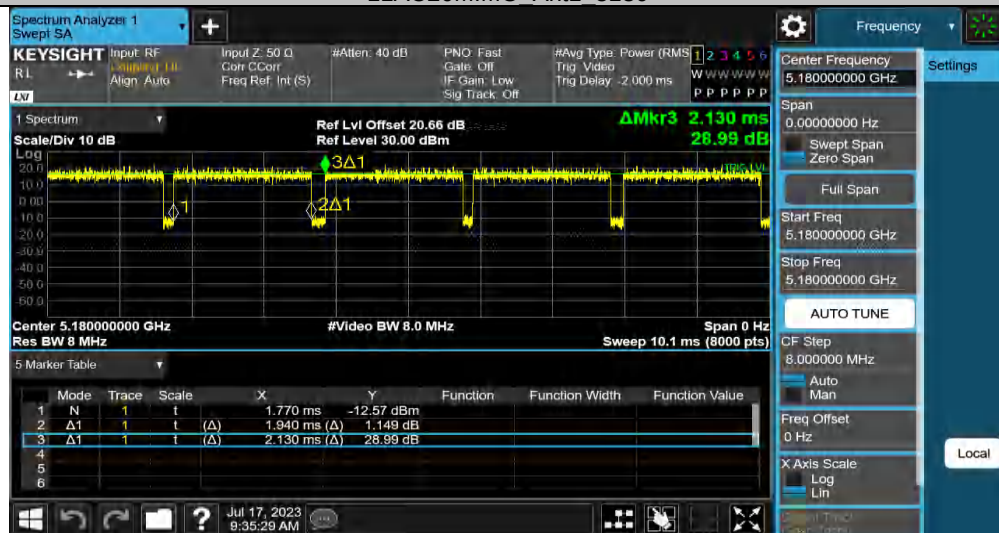


11N40MIMO Ant1 5795

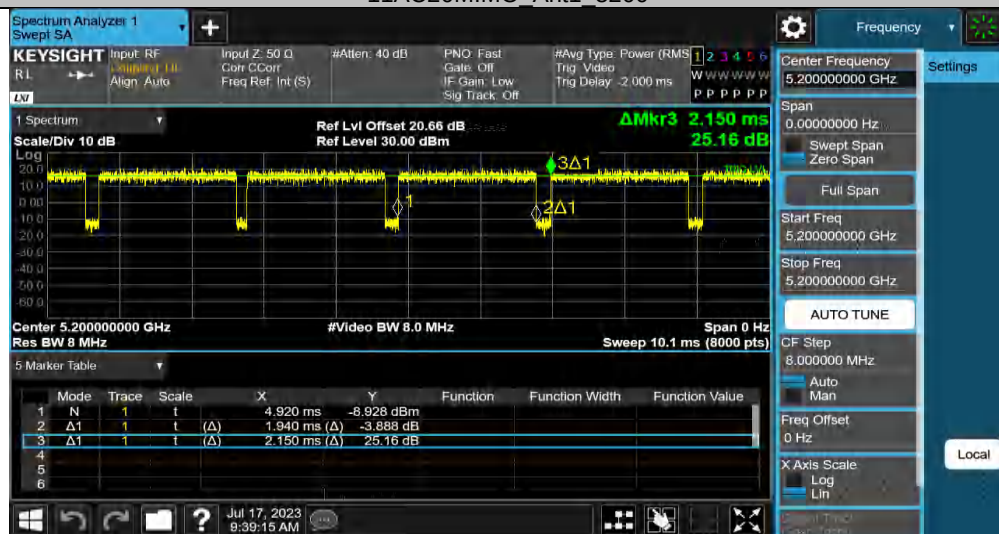




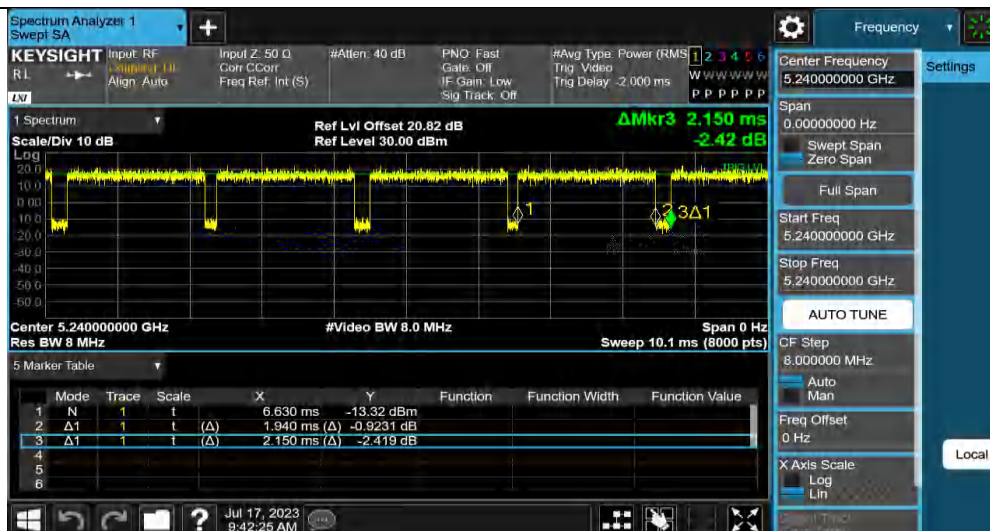
11AC20MIMO Ant1 5180



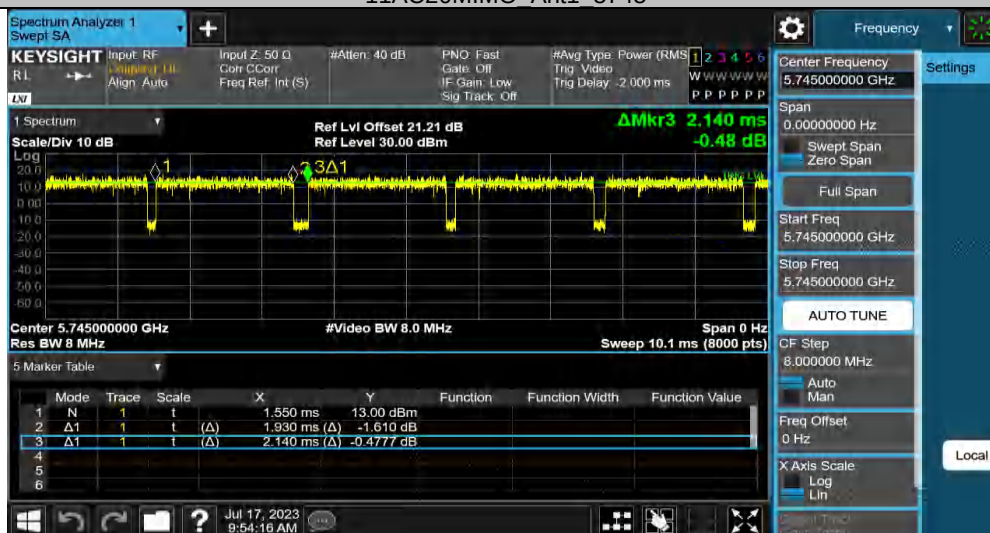
11AC20MIMO Ant1 5200



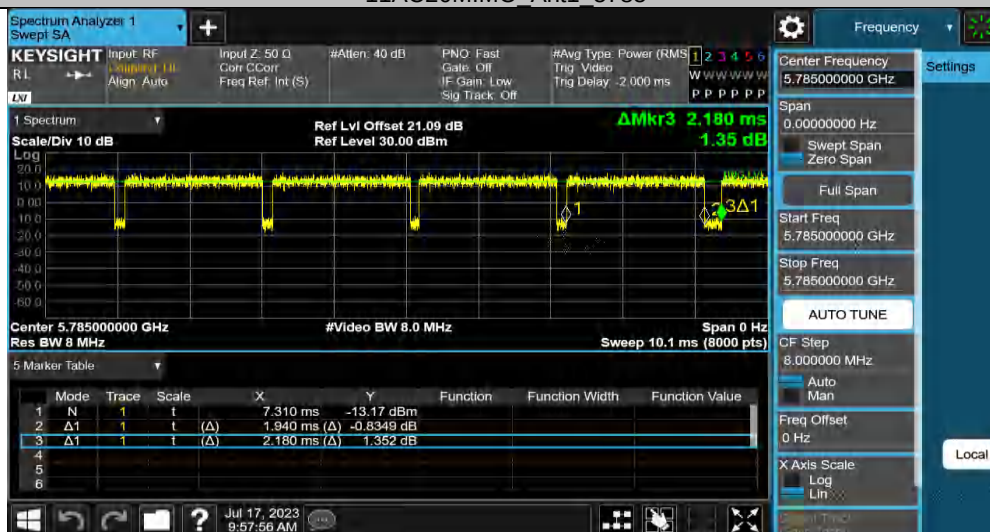
11AC20MIMO Ant1 5240



11AC20MIMO Ant1 5745

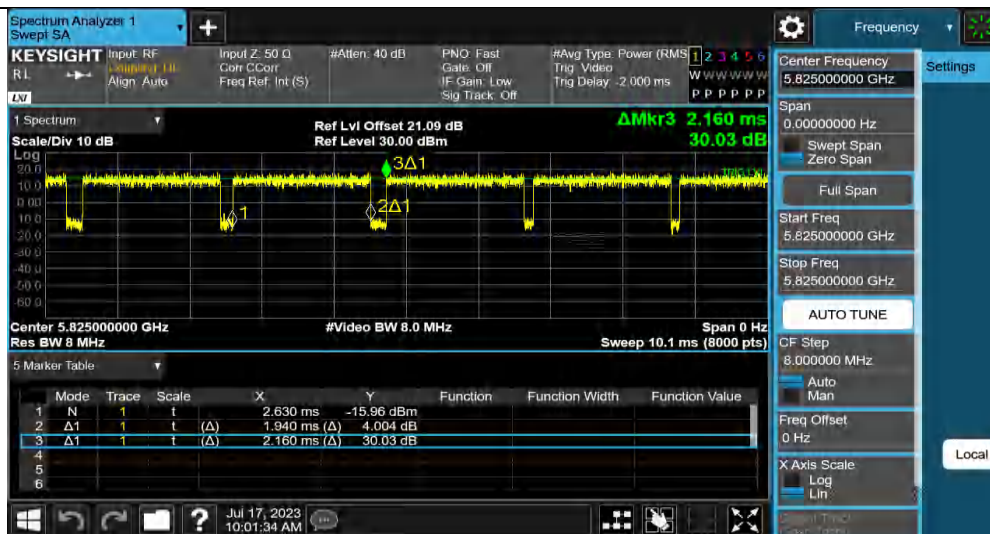


11AC20MIMO Ant1 5785

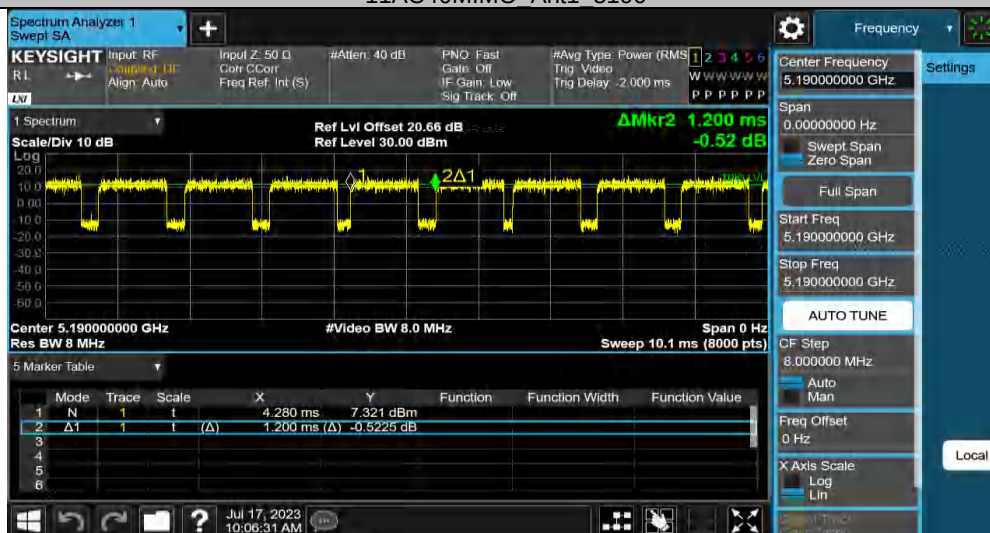


11AC20MIMO Ant1 5825

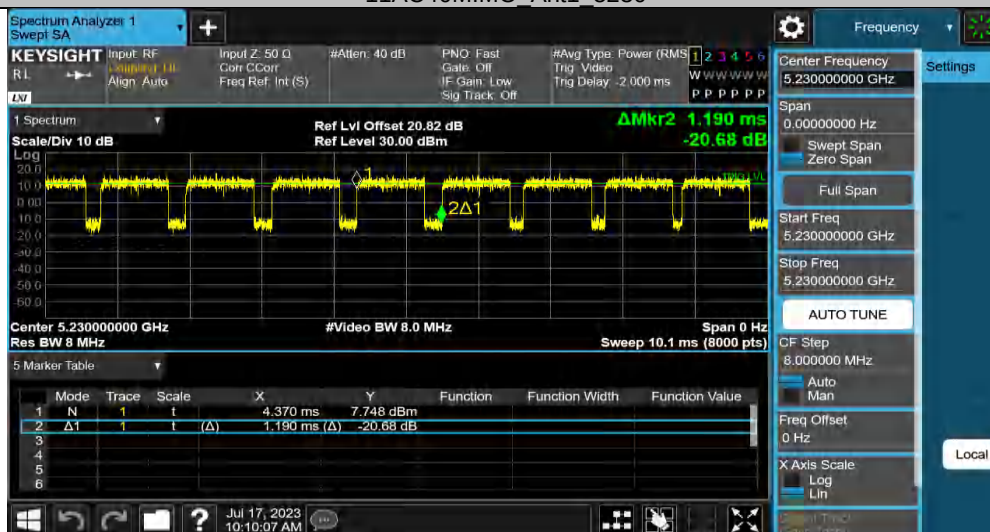




11AC40MIMO Ant1 5190

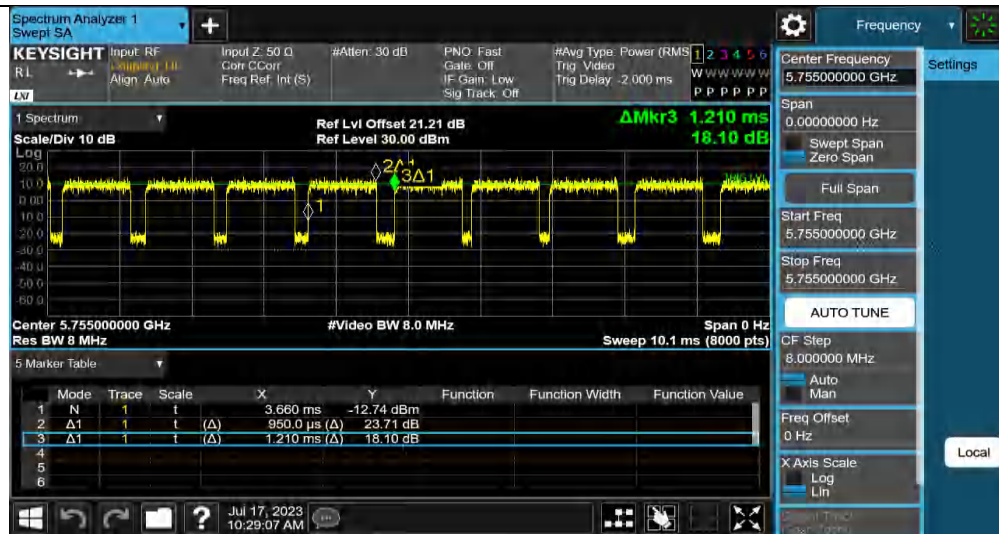


11AC40MIMO Ant1 5230

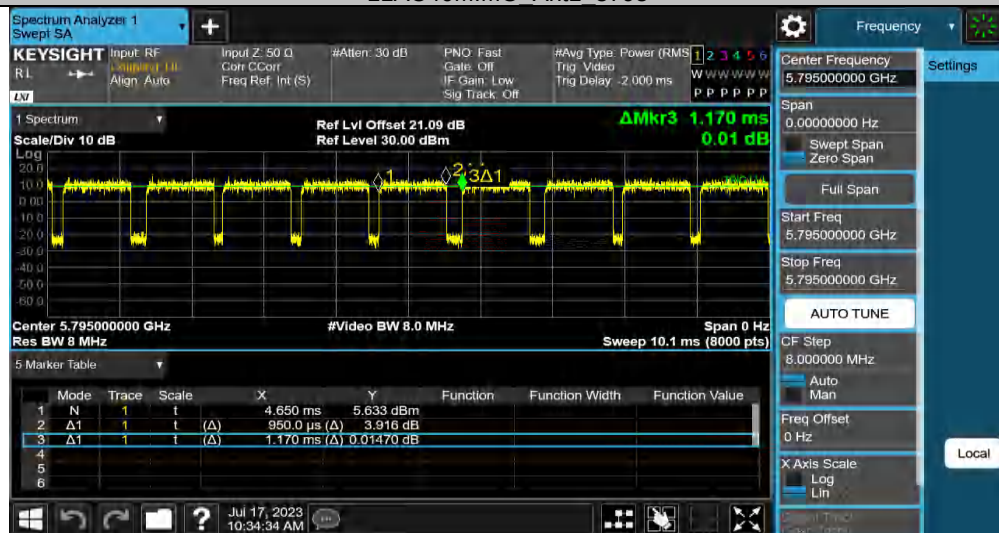


11AC40MIMO Ant1 5755

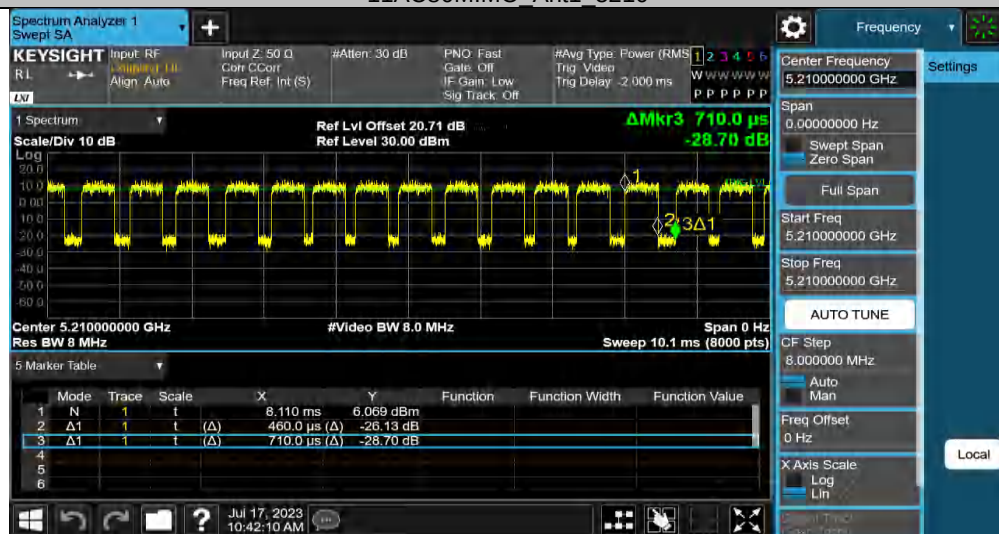




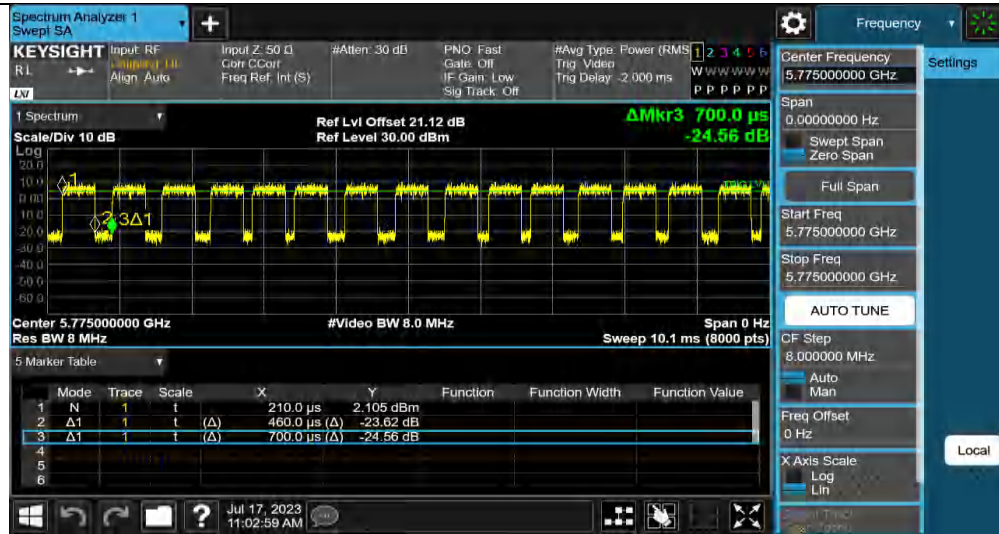
11AC40MIMO Ant1 5795



11AC80MIMO Ant1 5210



11AC80MIMO Ant1 5775



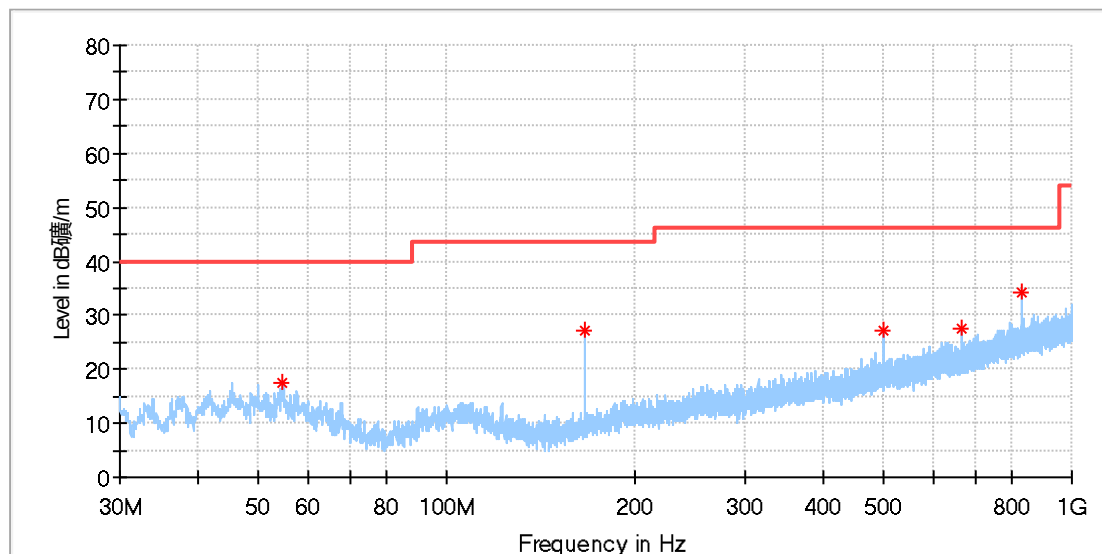
## 1.8 Appendix I: Radiated spurious emission.

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.  
2. This testing was carried out on Low/Middle/High channel for MIMO or ANT1 or ANT2 mode, only the worst case (ANT1) was presented in this report.

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch48         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 54.686500       | 17.56            | 40.00          | 22.44       | 100.0       | H   | 239.0         | -18.4        |
| 166.673000      | 27.05            | 43.50          | 16.45       | 100.0       | H   | 122.0         | -21.4        |
| 500.062000      | 27.04            | 46.00          | 18.96       | 100.0       | H   | 73.0          | -11.8        |
| 666.756500      | 27.60            | 46.00          | 18.40       | 100.0       | H   | 272.0         | -8.7         |
| 833.402500      | 34.18            | 46.00          | 11.82       | 100.0       | H   | 279.0         | -5.8         |

## Final Result

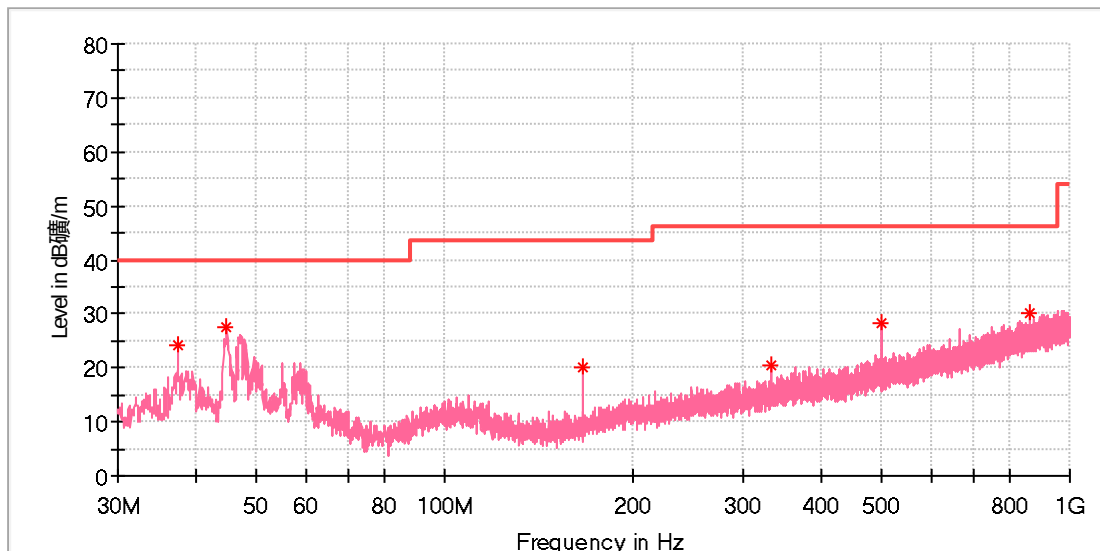
| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         | --- | ---           | ---          |



## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch48         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 37.469000       | 24.12            | 40.00          | 15.88       | 100.0       | V   | 214.0         | -21.0        |
| 44.841000       | 27.48            | 40.00          | 12.52       | 100.0       | V   | 119.0         | -18.9        |
| 166.673000      | 20.18            | 43.50          | 23.32       | 100.0       | V   | 214.0         | -21.4        |
| 333.367500      | 20.58            | 46.00          | 25.42       | 100.0       | V   | 37.0          | -15.3        |
| 500.062000      | 28.38            | 46.00          | 17.62       | 100.0       | V   | 2.0           | -11.8        |
| 862.211500      | 30.08            | 46.00          | 15.92       | 100.0       | V   | 265.0         | -5.3         |

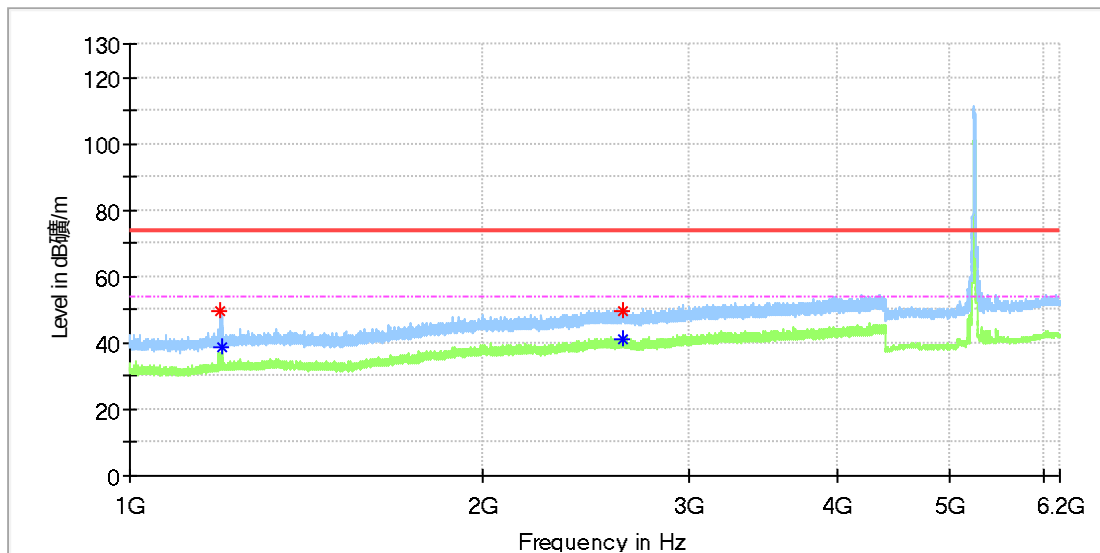
### Final Result

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch48         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1195.670000     | 49.77            | ---              | 74.00          | 24.23       | 150.0       | H   | 263.0         | 1.1          |
| 1197.710000     | ---              | 38.86            | 54.00          | 15.14       | 150.0       | H   | 346.0         | 1.1          |
| 2633.020000     | 49.71            | ---              | 74.00          | 24.29       | 150.0       | H   | 120.0         | 7.5          |
| 2635.060000     | ---              | 41.23            | 54.00          | 12.77       | 150.0       | H   | 201.0         | 7.5          |

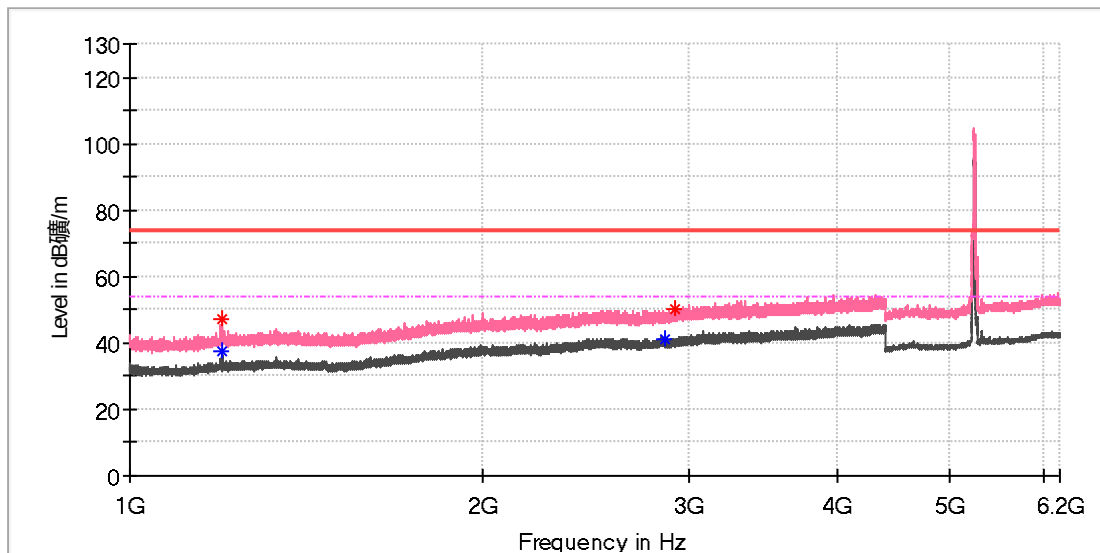
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch48         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1197.710000     | 47.06            | ---              | 74.00          | 26.94       | 150.0       | V   | 93.0          | 1.1          |
| 1197.710000     | ---              | 37.41            | 54.00          | 16.59       | 150.0       | V   | 93.0          | 1.1          |
| 2856.060000     | ---              | 41.38            | 54.00          | 12.62       | 150.0       | V   | 112.0         | 8.2          |
| 2918.280000     | 50.42            | ---              | 74.00          | 23.58       | 150.0       | V   | 132.0         | 8.3          |

### Final Result

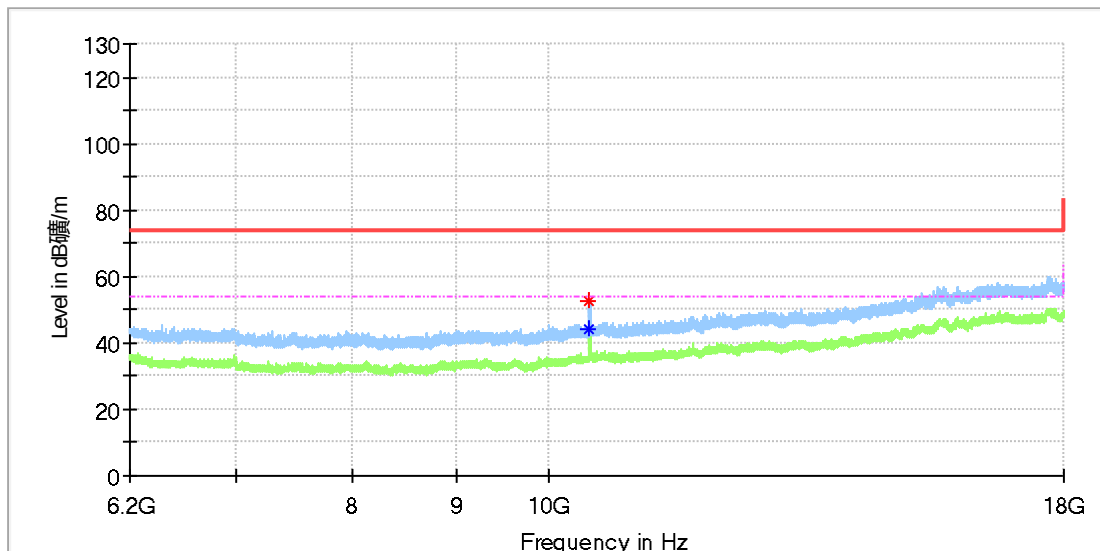
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |



# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch48         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 10470.616667    | 52.45            | ---              | 74.00          | 21.55       | 150.0       | H   | 127.0         | 12.0         |
| 10479.466667    | ---              | 43.84            | 54.00          | 10.16       | 150.0       | H   | 116.0         | 12.0         |

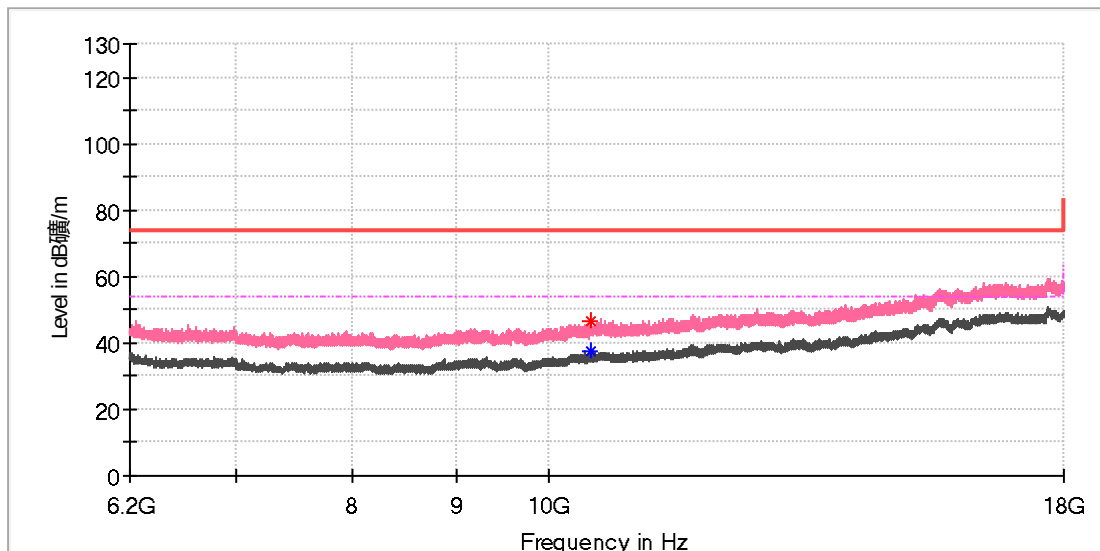
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch48         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 10481.433333    | ---              | 37.48            | 54.00          | 16.52       | 150.0       | V   | 0.0           | 12.0         |
| 10482.908333    | 46.78            | ---              | 74.00          | 27.22       | 150.0       | V   | 32.0          | 12.0         |

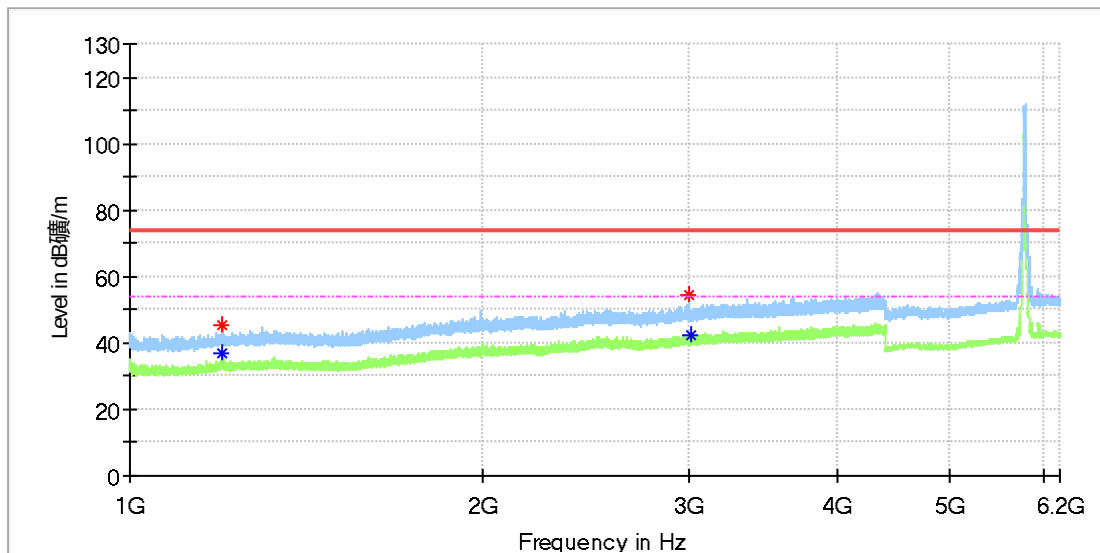
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch157        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1196.520000     | 45.50            | ---              | 74.00          | 28.50       | 150.0       | H   | 359.0         | 1.1          |
| 1199.580000     | ---              | 36.79            | 54.00          | 17.21       | 150.0       | H   | 359.0         | 1.1          |
| 2992.570000     | 54.45            | ---              | 74.00          | 19.55       | 150.0       | H   | 202.0         | 8.5          |
| 3007.360000     | ---              | 42.22            | 54.00          | 11.78       | 150.0       | H   | 52.0          | 8.5          |

## Final Result

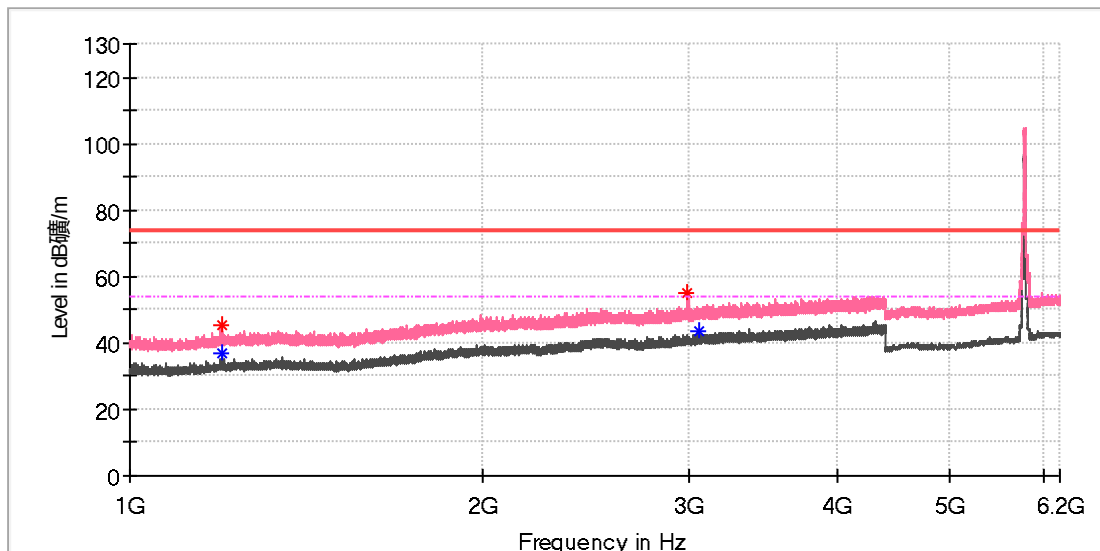
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |



# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch157        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1196.690000     | ---              | 36.70            | 54.00          | 17.30       | 150.0       | V   | 321.0         | 1.1          |
| 1199.070000     | 45.51            | ---              | 74.00          | 28.49       | 150.0       | V   | 321.0         | 1.1          |
| 2988.660000     | 55.29            | ---              | 74.00          | 18.71       | 150.0       | V   | 241.0         | 8.5          |
| 3057.170000     | ---              | 43.66            | 54.00          | 10.34       | 150.0       | V   | 171.0         | 8.6          |

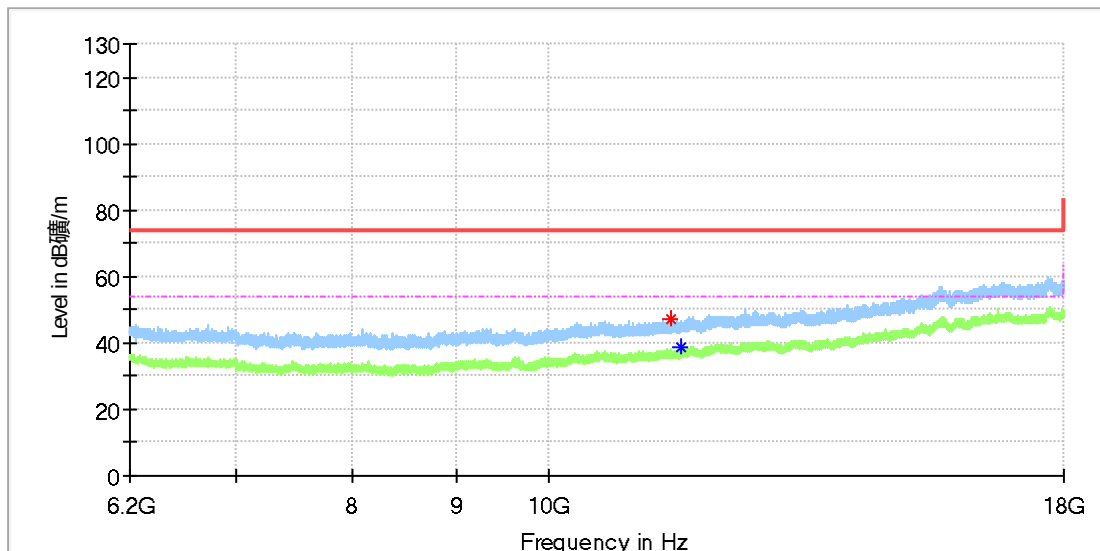
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch157        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11505.083333    | 46.88            | ---              | 74.00          | 27.12       | 150.0       | H   | 11.0          | 13.7         |
| 11622.100000    | ---              | 38.43            | 54.00          | 15.57       | 150.0       | H   | 60.0          | 13.3         |

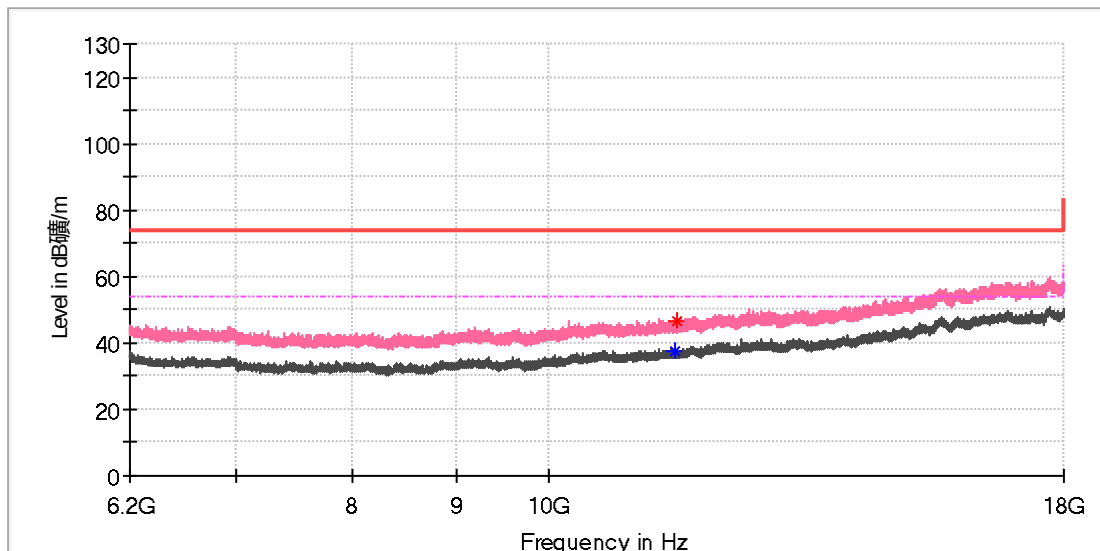
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch157        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11544.908333    | ---              | 37.74            | 54.00          | 16.26       | 150.0       | V   | 358.0         | 13.5         |
| 11568.016667    | 46.42            | ---              | 74.00          | 27.58       | 150.0       | V   | 264.0         | 13.4         |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

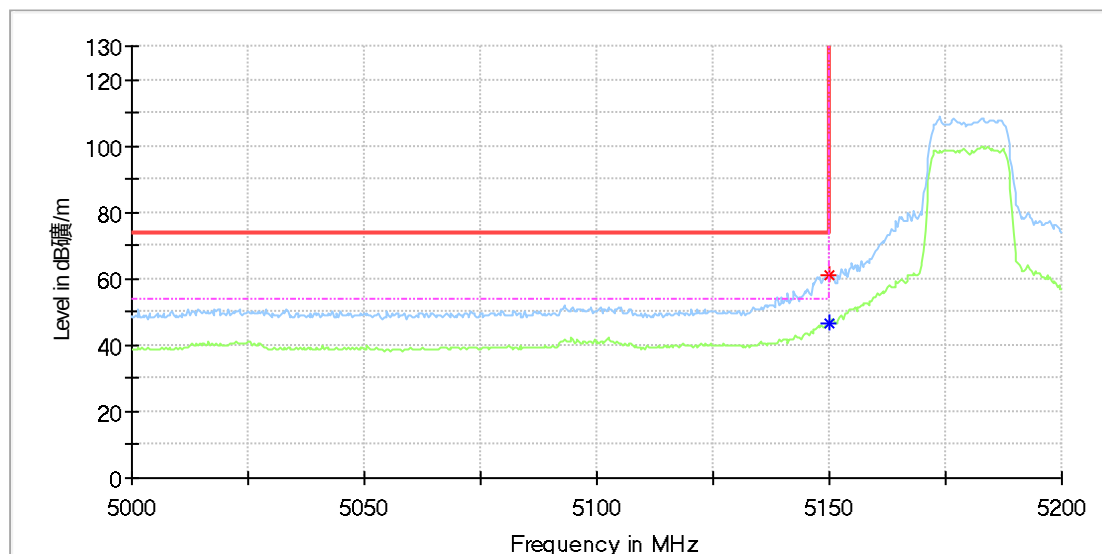
## 1.9 Appendix J: Radiated Emissions in Restricted Bands

**5180-5240MHz band**  
**802.11a**

### Test Report

#### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch36         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



#### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5149.955556     | ---              | 46.83            | 54.00          | 7.17        | 150.0       | H   | 99.0          | 12.4         |
| 5149.955556     | 60.97            | ---              | 74.00          | 13.03       | 150.0       | H   | 99.0          | 12.4         |

#### Final\_Result

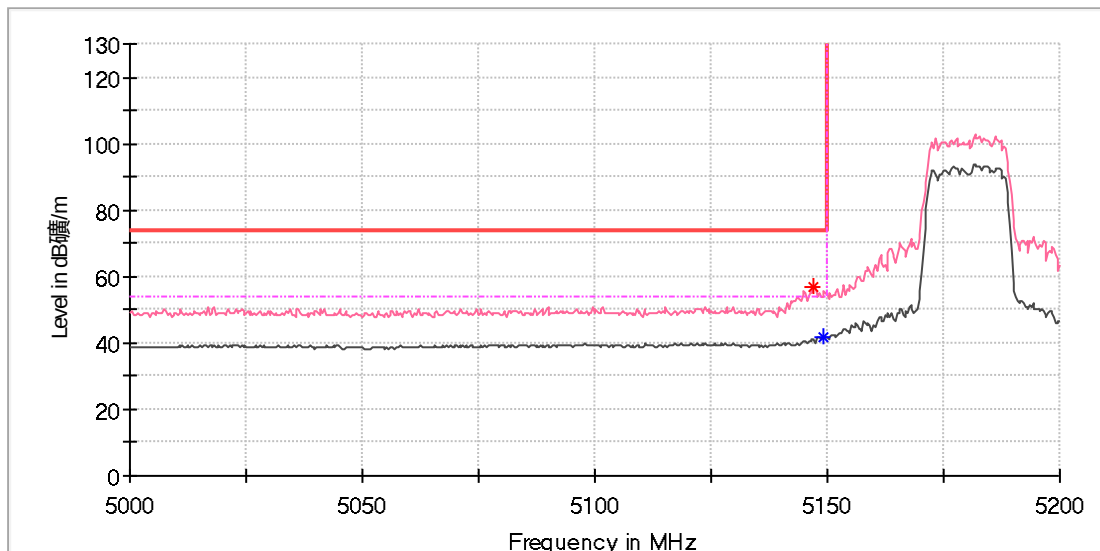
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |



# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch36         |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5147.005556     | 56.78            | ---              | 74.00          | 17.22       | 150.0       | V   | 341.0         | 12.4         |
| 5148.972222     | ---              | 41.86            | 54.00          | 12.14       | 150.0       | V   | 355.0         | 12.4         |

## Final Result

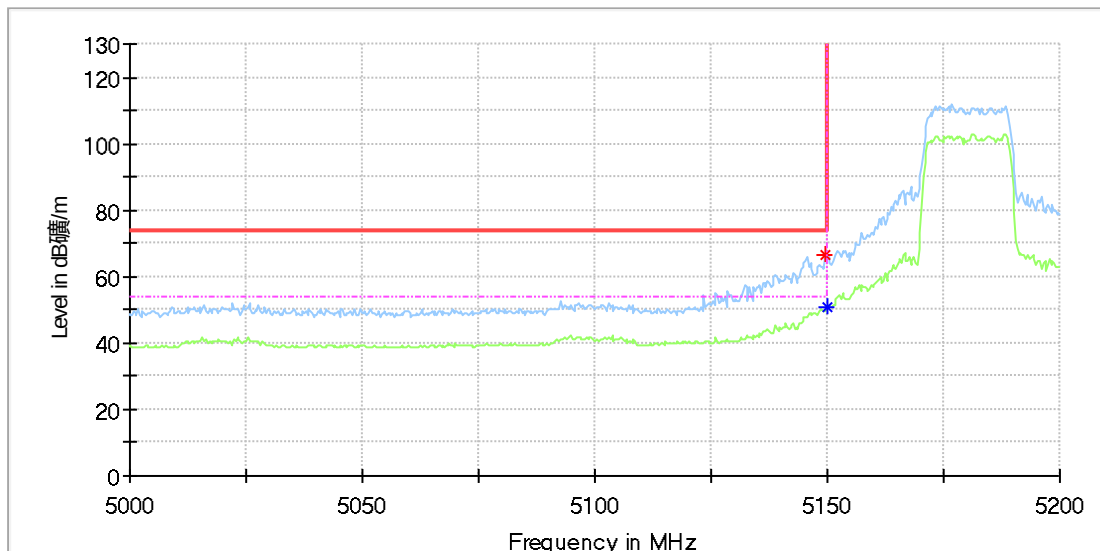
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

802.11n20

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n20_Ch36       |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5149.627778     | 66.73            | ---              | 74.00          | 7.27        | 150.0       | H   | 220.0         | 12.4         |
| 5149.955556     | ---              | 50.92            | 54.00          | 3.08        | 150.0       | H   | 220.0         | 12.4         |

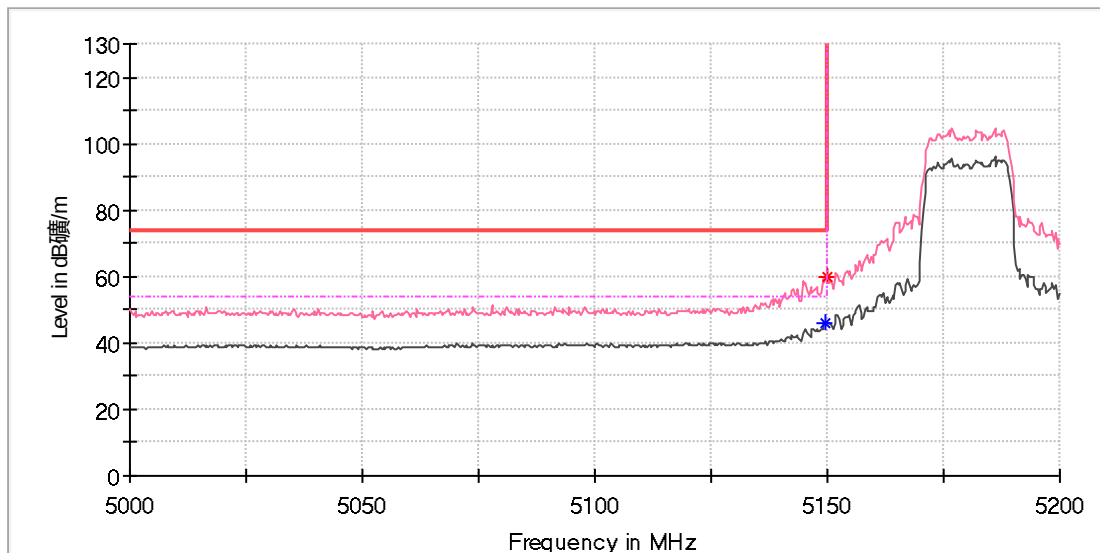
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n20_Ch36       |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5149.627778     | ---              | 46.23            | 54.00          | 7.77        | 150.0       | V   | 348.0         | 12.4         |
| 5149.955556     | 59.91            | ---              | 74.00          | 14.09       | 150.0       | V   | 342.0         | 12.4         |

### Final Result

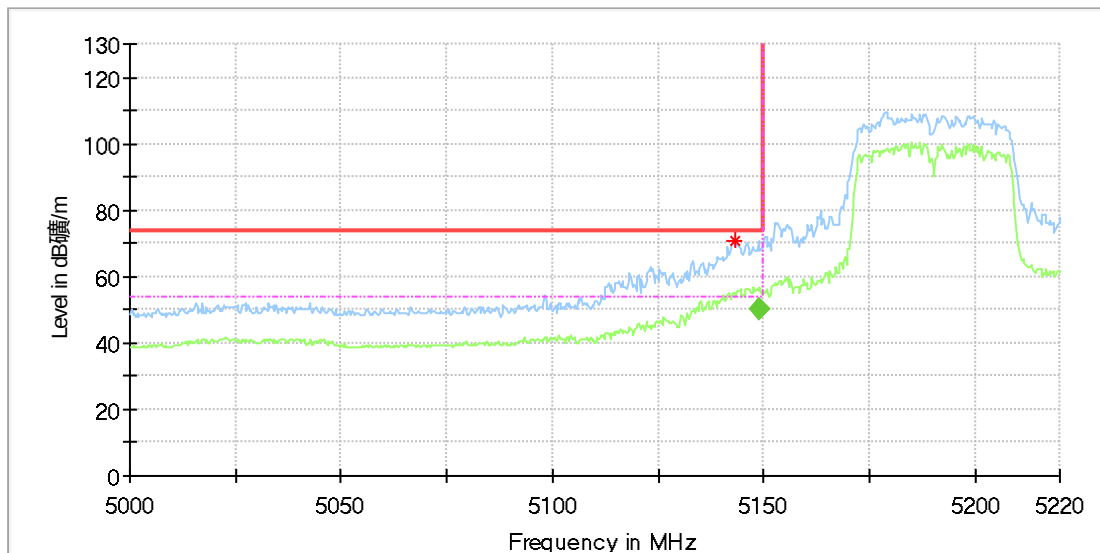
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

802.11n40

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n40_Ch38       |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5143.072222     | 70.91            | ---              | 74.00          | 3.09        | 150.0       | H   | 190.0         | 12.4         |

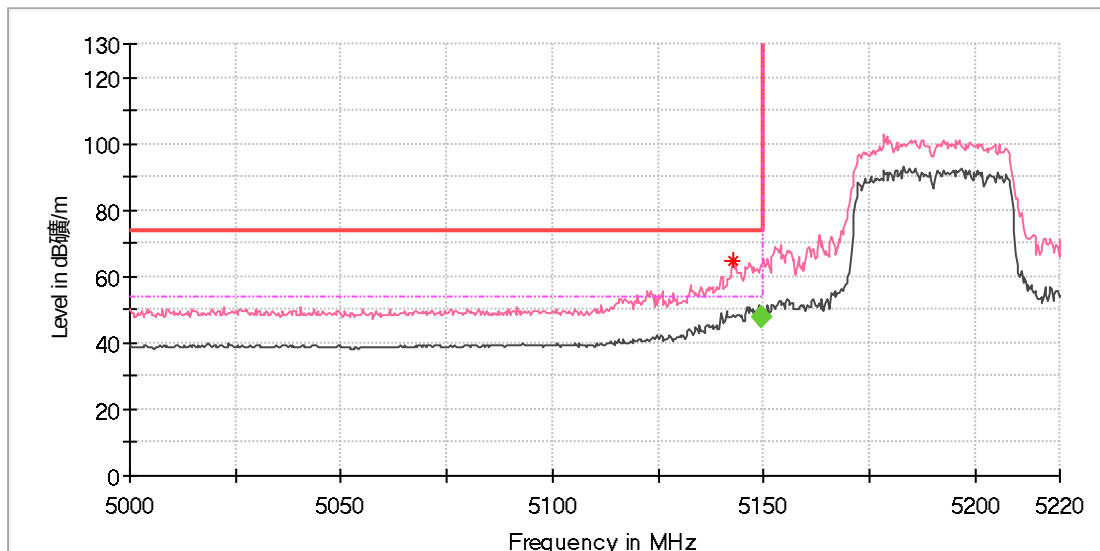
### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5149.097222     | 50.06            | 54.00          | 3.94        | 145.0       | H   | 189.0         | 12.4         |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n40_Ch38       |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5142.744445     | 64.94            | ---              | 74.00          | 9.06        | 150.0       | V   | 0.0           | 12.4         |

### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5149.288889     | 47.97            | 54.00          | 6.03        | 145.0       | V   | 147.0         | 12.4         |

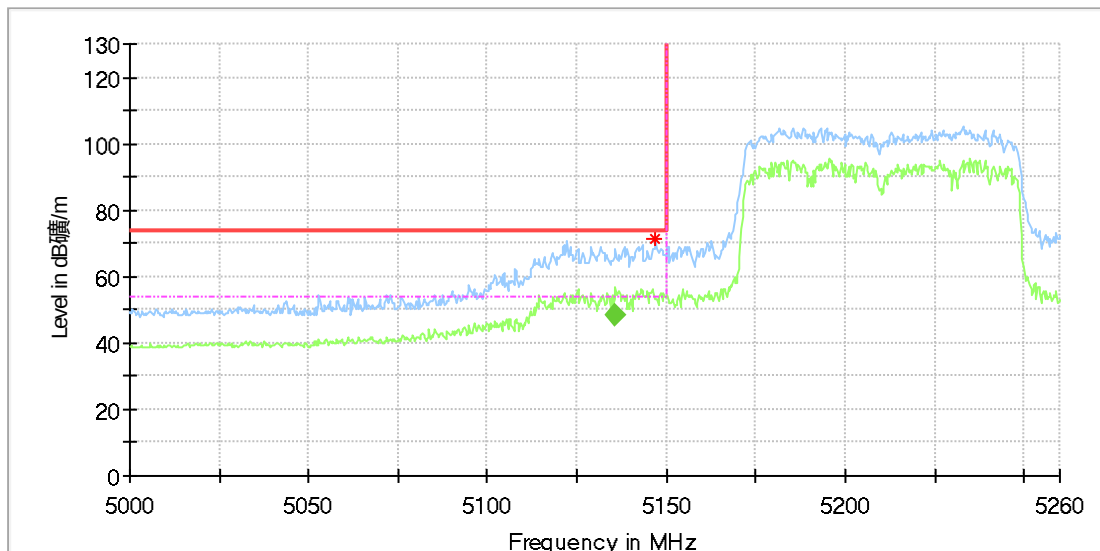


802.11ac80

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11ac80_Ch42      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5147.005556     | 71.33            | ---              | 74.00          | 2.67        | 150.0       | H   | 169.0         | 12.4         |

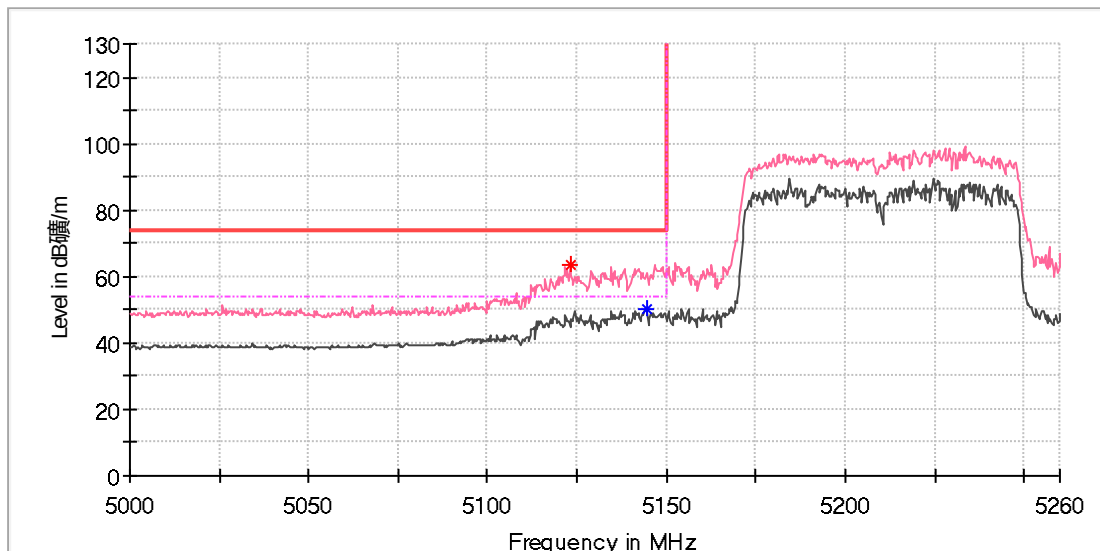
### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5135.766667     | 48.33            | 54.00          | 5.67        | 145.0       | H   | 193.0         | 12.4         |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11ac80_Ch42      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5123.077778     | 63.39            | ---              | 74.00          | 10.61       | 150.0       | V   | 11.0          | 12.3         |
| 5144.383333     | ---              | 50.01            | 54.00          | 3.99        | 150.0       | V   | 338.0         | 12.4         |

## Final Result

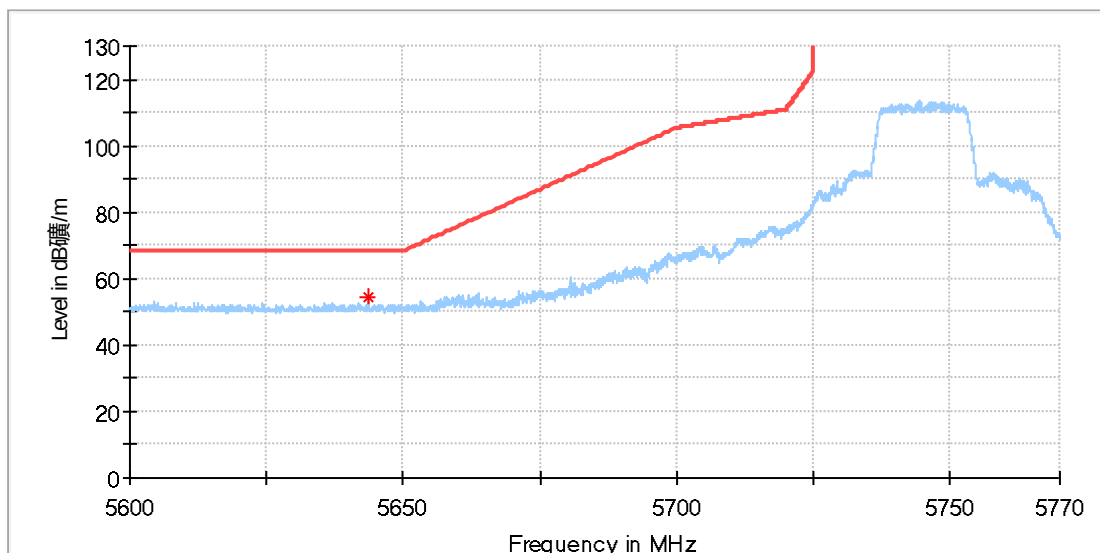
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## 5745-5825MHz band 802.11a

# Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch149        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5643.694445     | 54.18            | 68.20          | 14.02       | 150.0       | H   | 202.0         | 13.8         |

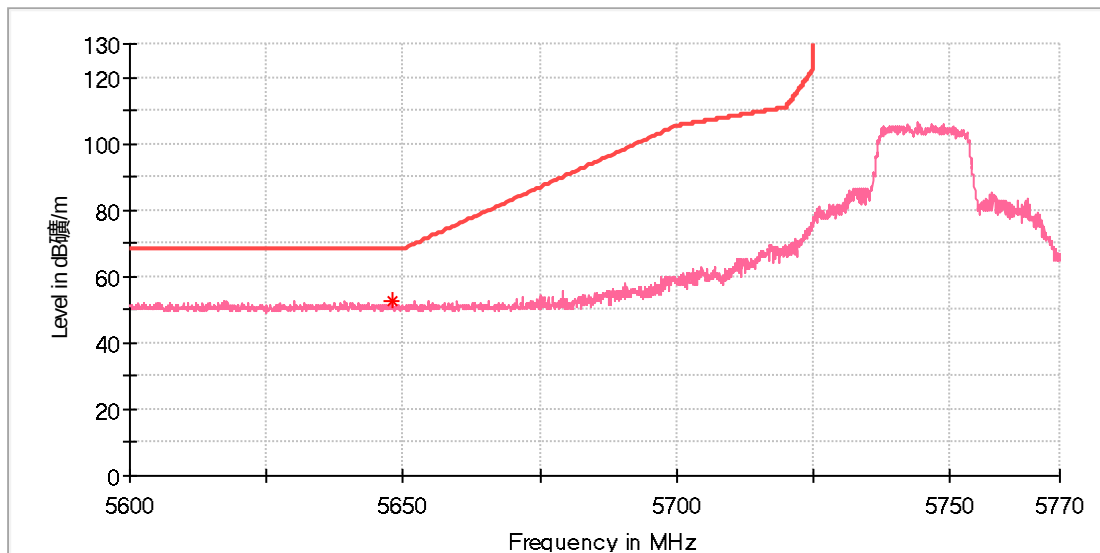
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch149        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5647.850000     | 52.57            | 68.20          | 15.63       | 150.0       | V   | 0.0           | 13.8         |

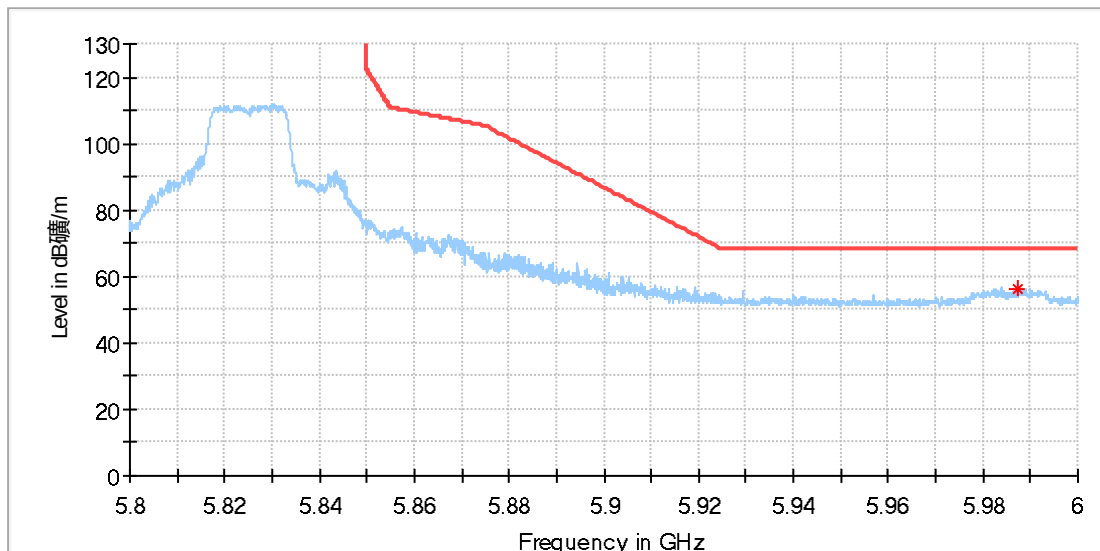
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch165        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5987.472222     | 56.51            | 68.20          | 11.69       | 150.0       | H   | 267.0         | 15.0         |

### Final Result

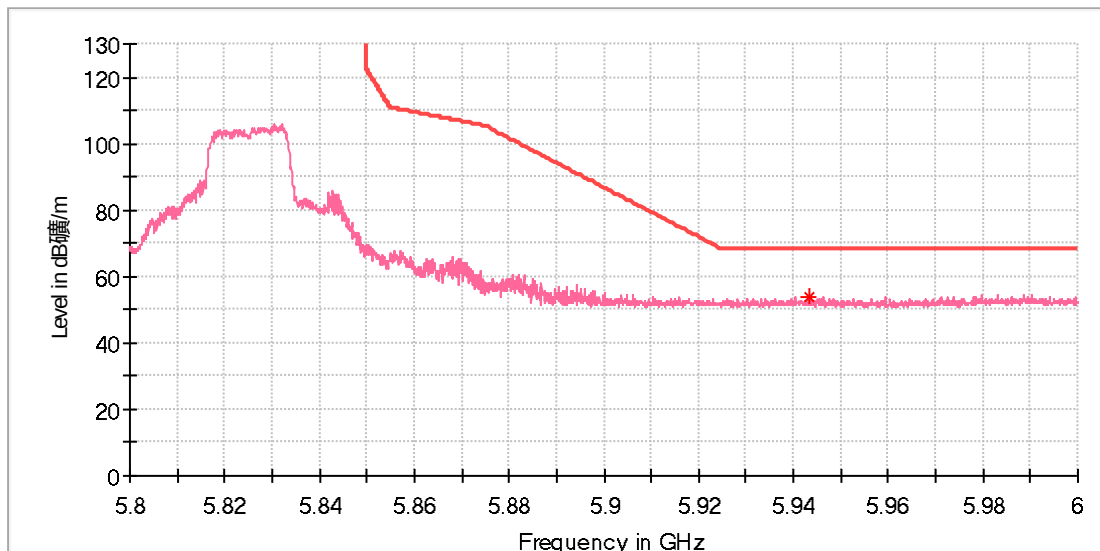
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |



# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11a_Ch165        |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5943.166667     | 53.91            | 68.20          | 14.29       | 150.0       | V   | 330.0         | 14.7         |

## Final Result

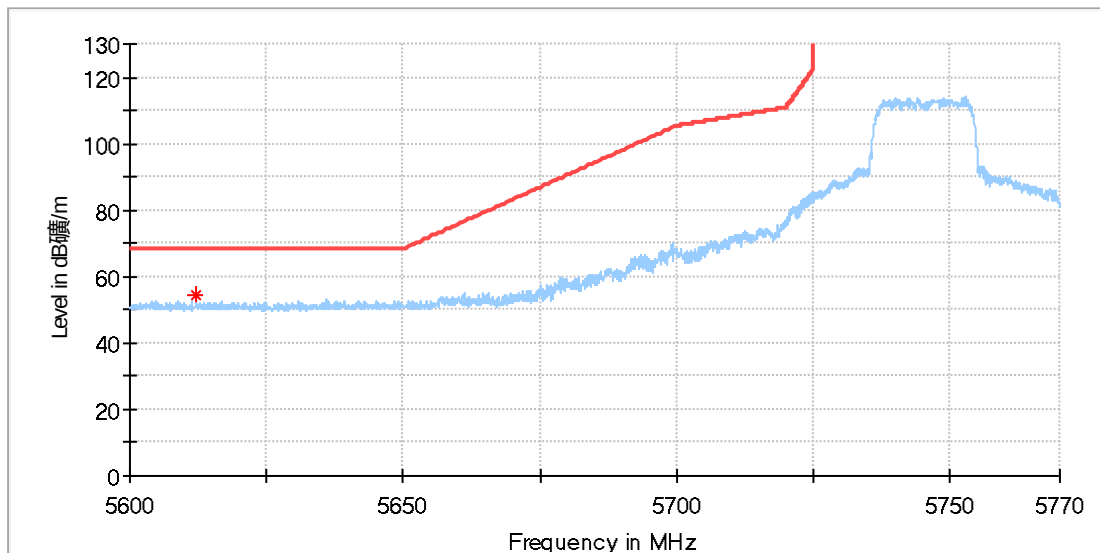
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

802.11n20

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n20_Ch149      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5612.161111     | 54.24            | 68.20          | 13.96       | 150.0       | H   | 113.0         | 13.8         |

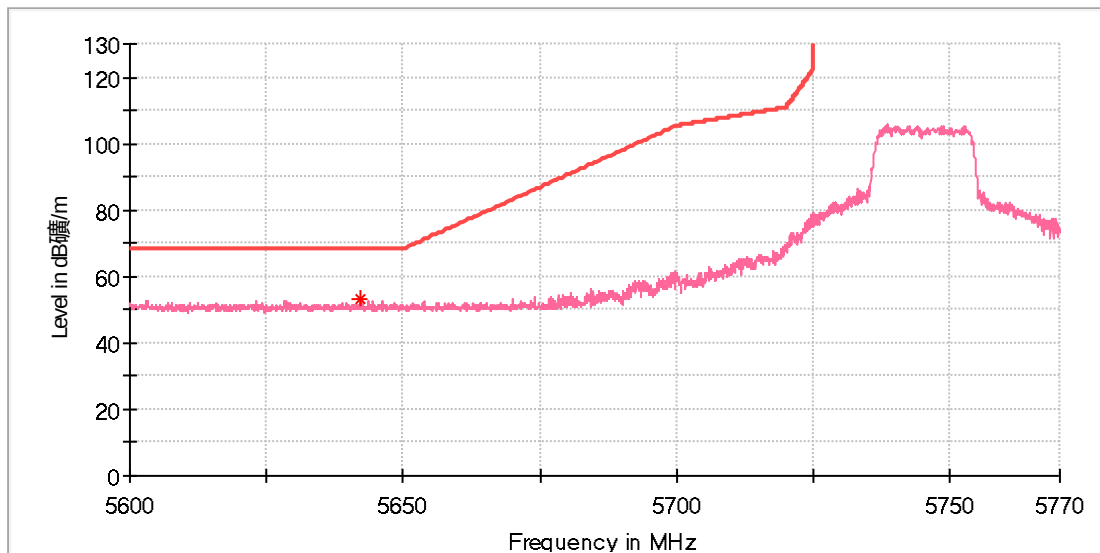
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n20_Ch149      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5642.166667     | 53.28            | 68.20          | 14.92       | 150.0       | V   | 288.0         | 13.8         |

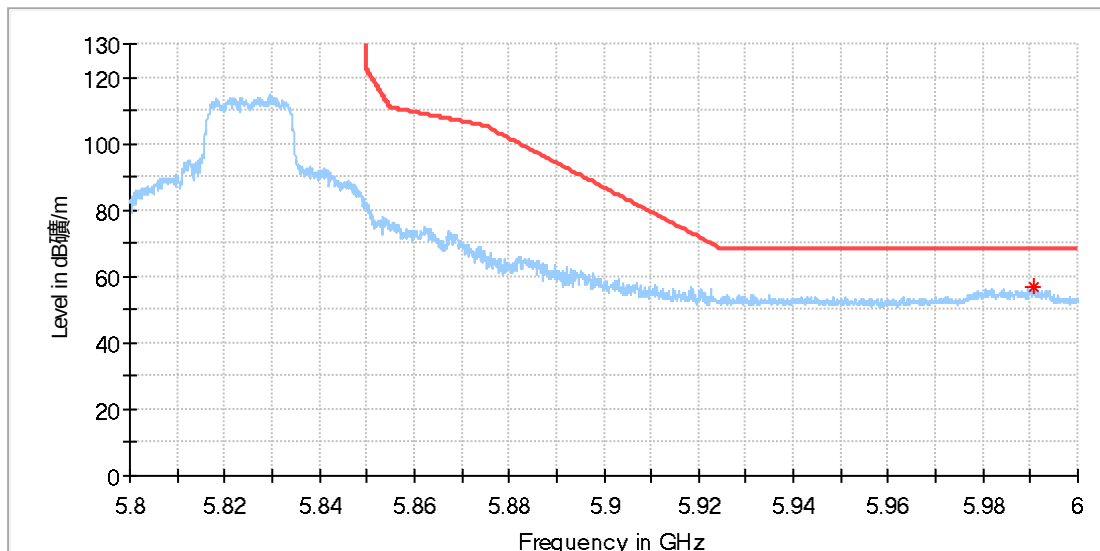
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n20_Ch165      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5990.756944     | 56.58            | 68.20          | 11.62       | 150.0       | H   | 225.0         | 15.0         |

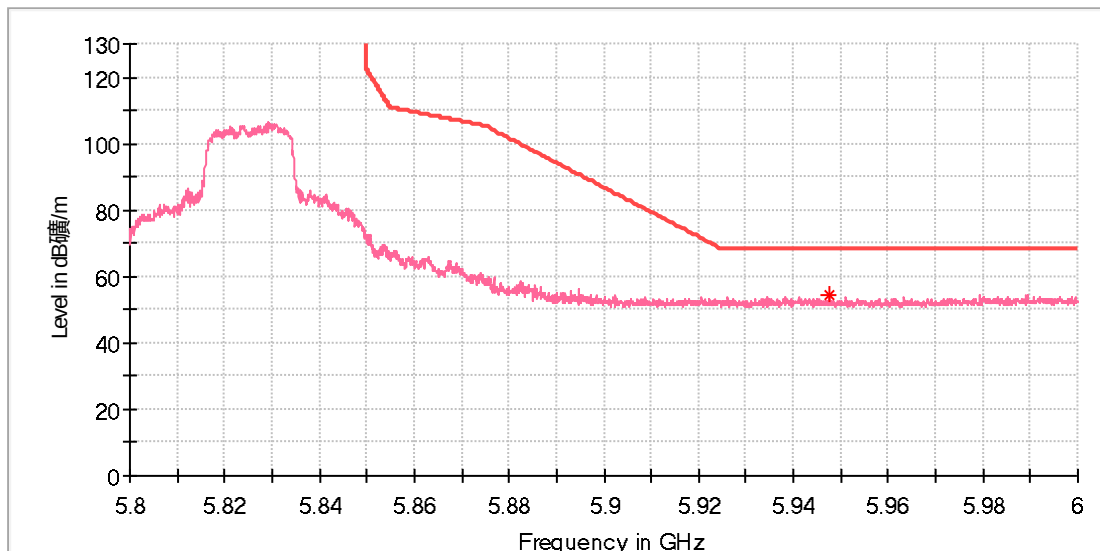
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n20_Ch165      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5947.673611     | 54.13            | 68.20          | 14.07       | 150.0       | V   | 78.0          | 14.8         |

### Final Result

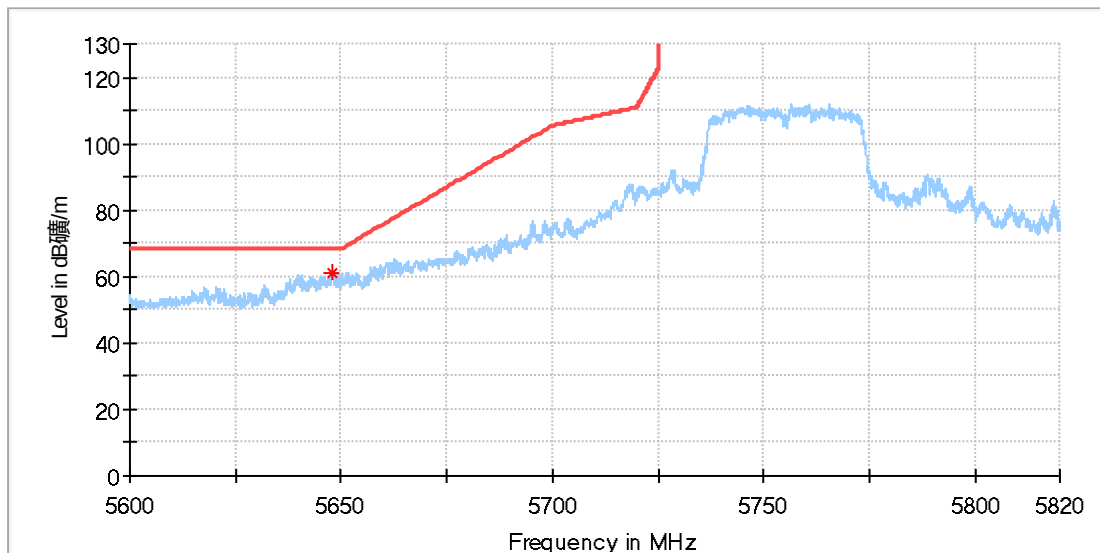
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

802.11n40

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n40_Ch151      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5647.727778     | 61.24            | 68.20          | 6.96        | 150.0       | H   | 195.0         | 13.8         |

### Final Result

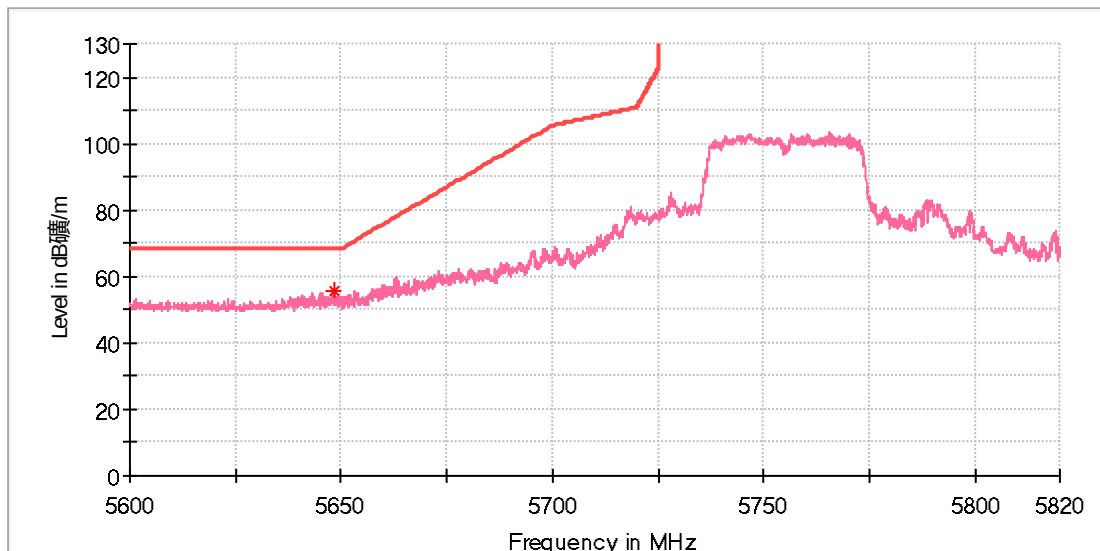
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |



## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n40_Ch151      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5648.277778     | 55.61            | 68.20          | 12.59       | 150.0       | V   | 340.0         | 13.8         |

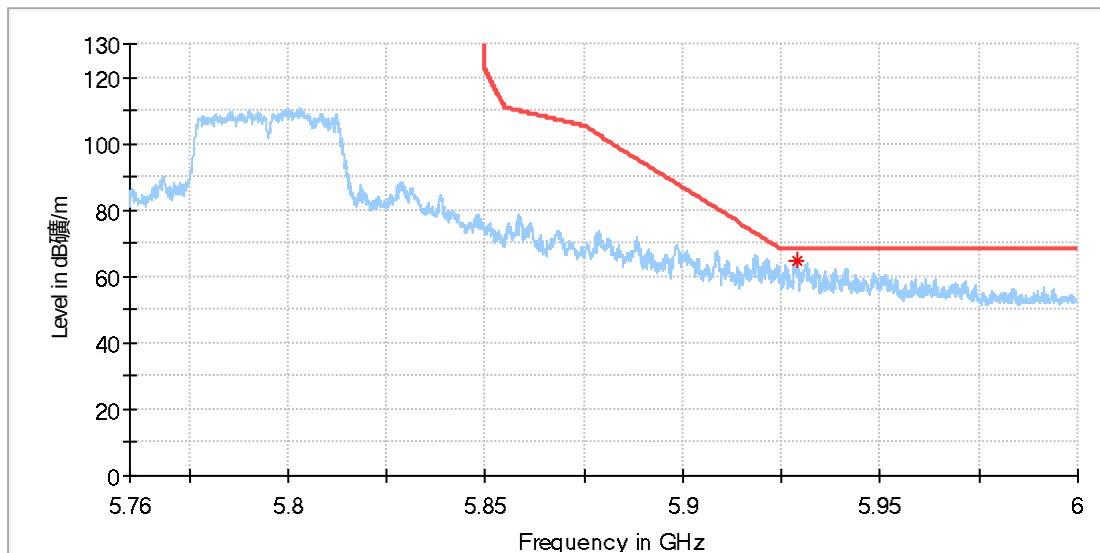
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n40_Ch159      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5928.729167     | 64.91            | 68.20          | 3.29        | 150.0       | H   | 214.0         | 14.7         |

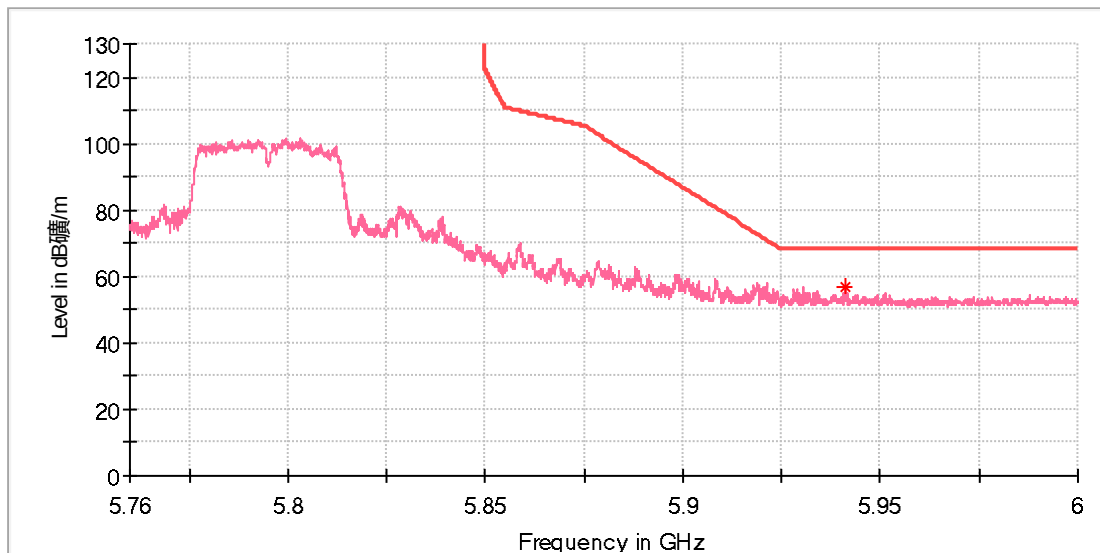
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11n40_Ch159      |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5941.256945     | 56.79            | 68.20          | 11.41       | 150.0       | V   | 90.0          | 14.7         |

### Final Result

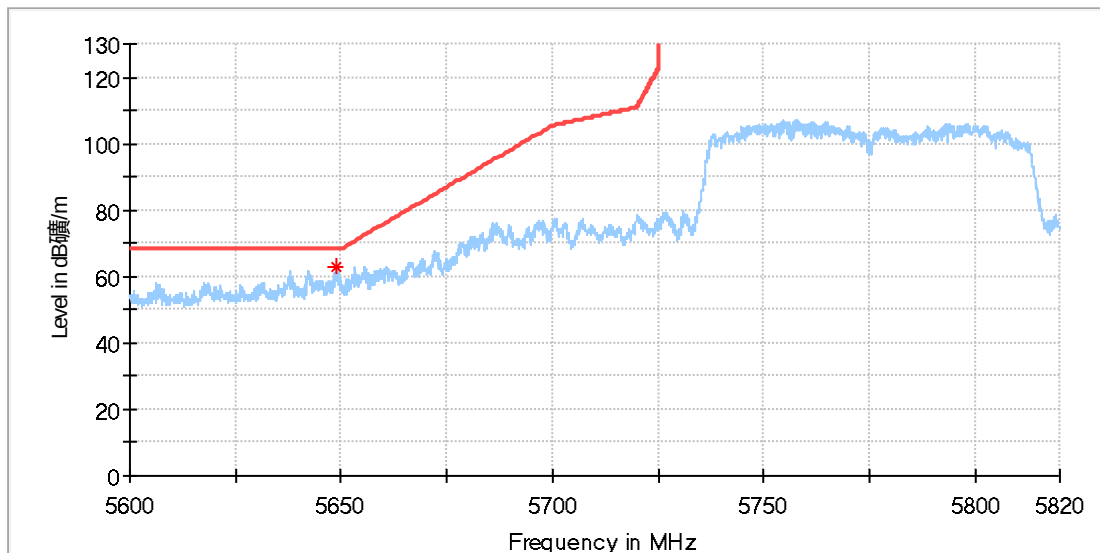
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

802.11ac80

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11ac80_Ch155     |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5648.950000     | 62.89            | 68.20          | 5.31        | 150.0       | H   | 189.0         | 13.8         |

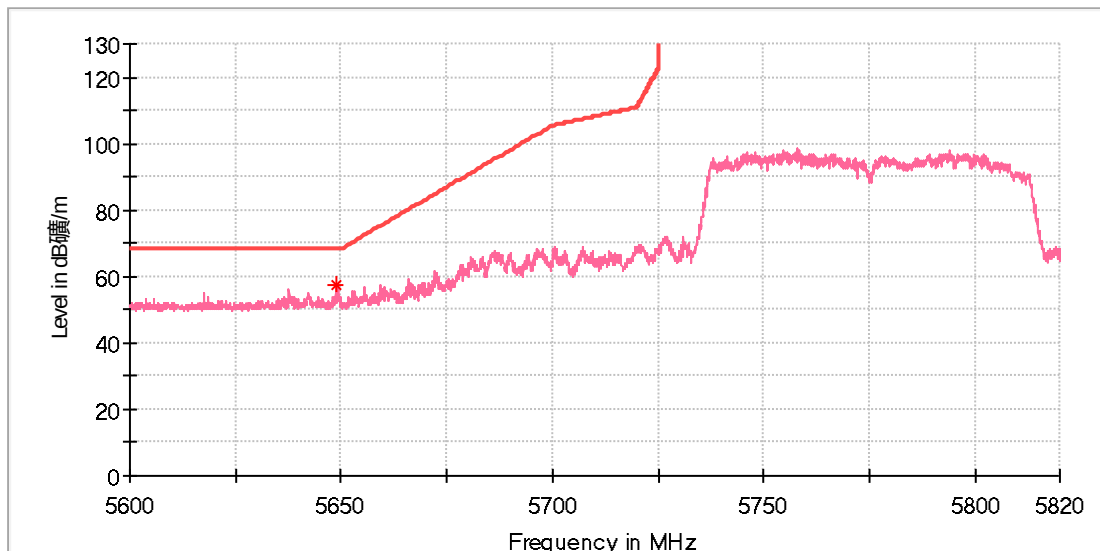
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11ac80_Ch155     |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5648.950000     | 57.23            | 68.20          | 10.97       | 150.0       | V   | 59.0          | 13.8         |

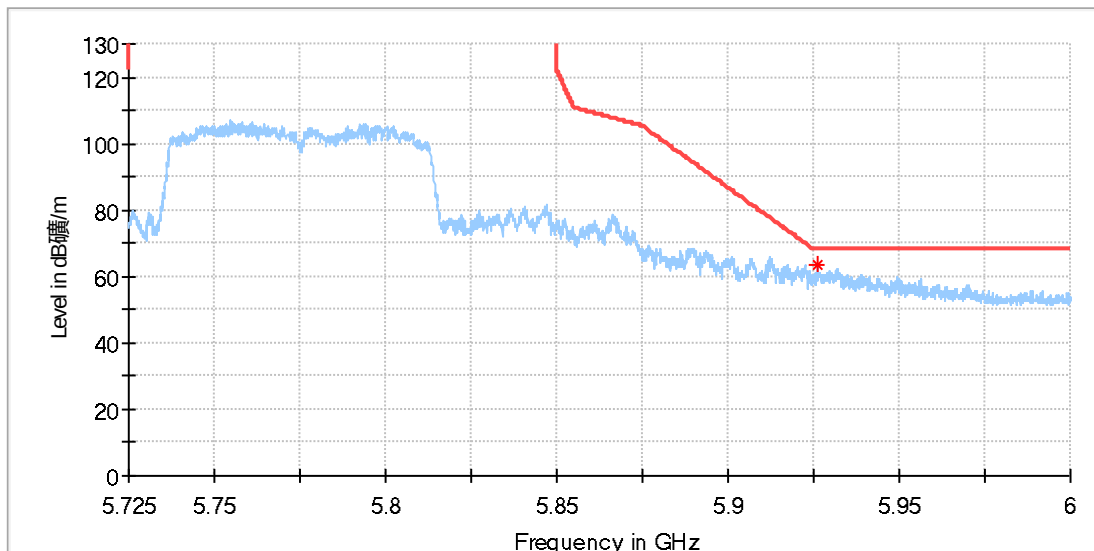
### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

# Test Report

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11ac80_Ch155     |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5926.208333     | 63.42            | 68.20          | 4.78        | 150.0       | H   | 211.0         | 14.7         |

## Final Result

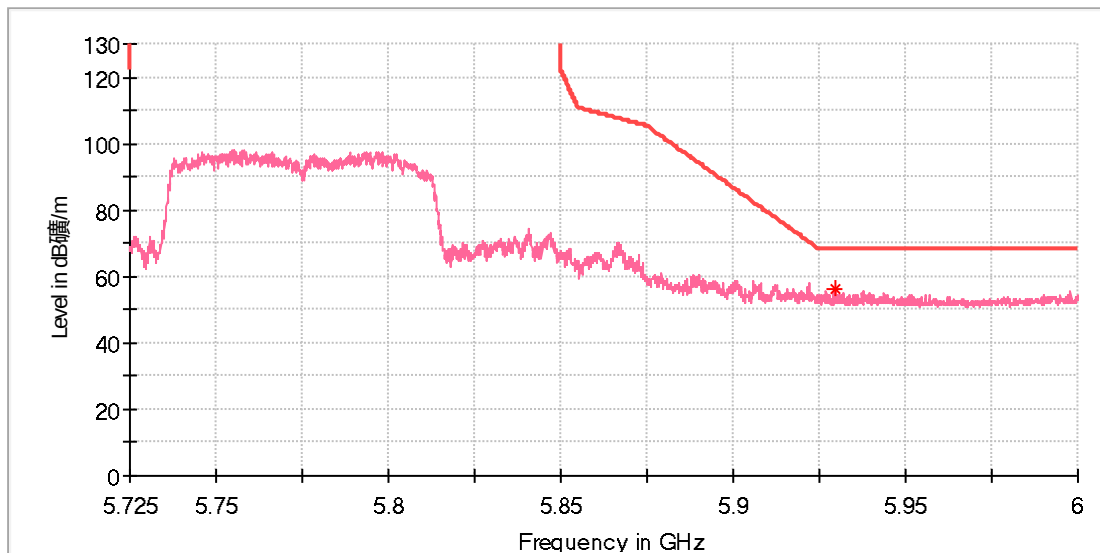
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |



## Test Report

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Rokid Station            |
| Model:              | RES102                   |
| Test Mode:          | WIFI 5G_11ac80_Ch155     |
| Order No/Sample No: | 168429121/A003488166-001 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5929.722222     | 56.12            | 68.20          | 12.08       | 150.0       | V   | 22.0          | 14.7         |

### Final Result

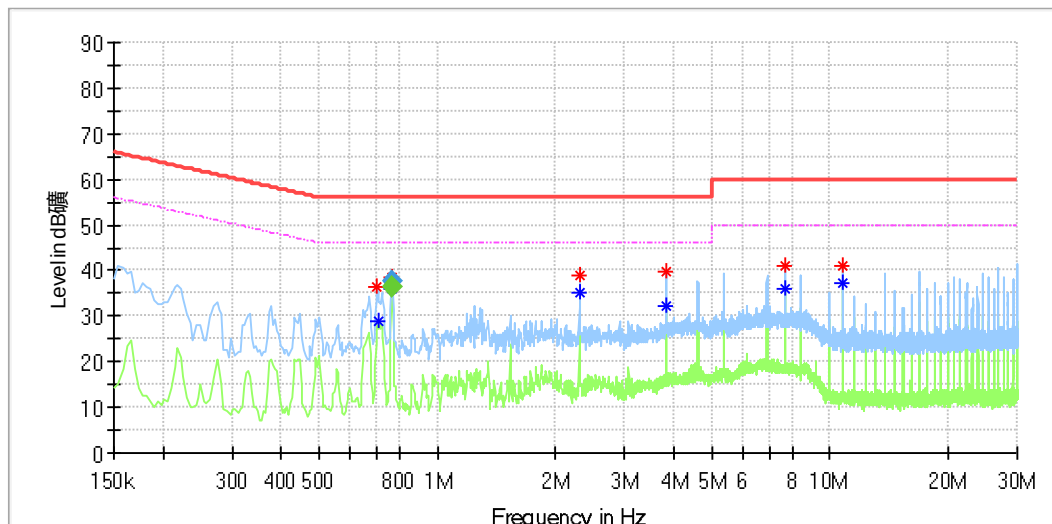
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## 1.10 Appendix K: Conducted Emissions

# Test Report

### EUT Information

EUT Name: Rokid Staion  
Order Number: 168429121  
Model: RES102  
Test Mode: Operating mode  
Test Voltage: AC 120V/60Hz  
Test Standard: FCC Part 15.207  
Test By:/Review By: Charlie Zha / Gary Chen  
Tem./Hum./Pressure: 24.3°C/51.6%/101kPa  
Remark: SR2



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.702000        | 36.29          | ---            | 56.00        | 19.71       | L1   | 10.0       |
| 0.706000        | ---            | 28.94          | 46.00        | 17.06       | L1   | 10.0       |
| 0.769500        | ---            | 36.08          | 46.00        | 9.92        | L1   | 10.0       |
| 0.769500        | 38.56          | ---            | 56.00        | 17.44       | L1   | 10.0       |
| 2.306000        | ---            | 35.02          | 46.00        | 10.98       | L1   | 10.2       |
| 2.306000        | 38.86          | ---            | 56.00        | 17.14       | L1   | 10.2       |
| 3.842000        | 39.67          | ---            | 56.00        | 16.33       | L1   | 10.2       |
| 3.842000        | ---            | 32.41          | 46.00        | 13.59       | L1   | 10.2       |
| 7.678000        | ---            | 36.15          | 50.00        | 13.85       | L1   | 10.3       |
| 7.678000        | 41.17          | ---            | 60.00        | 18.83       | L1   | 10.3       |
| 10.754000       | ---            | 37.26          | 50.00        | 12.74       | L1   | 10.3       |
| 10.754000       | 41.18          | ---            | 60.00        | 18.82       | L1   | 10.3       |

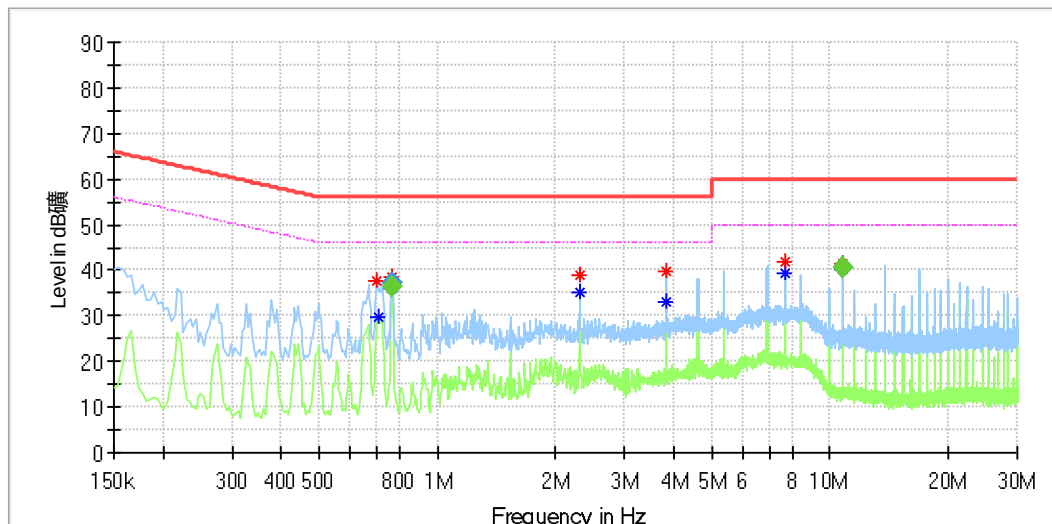
### Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.769500        | ---              | 36.53          | 46.00        | 9.47        | 1000.0          | 9.000           | L1   | 10.0       |
| 0.769500        | 37.50            | ---            | 56.00        | 18.50       | 1000.0          | 9.000           | L1   | 10.0       |

## Test Report

### EUT Information

EUT Name: Rokid Staion  
Order Number: 168429121  
Model: RES102  
Test Mode: Operating mode(Wi-Fi+BT5.0, 2.4G+5G)  
Test Voltage: AC 120V/60Hz  
Test Standard: FCC Part 15.207  
Test By:/Review By: Charlie Zha / Gary Chen  
Tem./Hum./Pressure: 24.3°C/51.6%/101kPa  
Remark: SR2



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.702000        | 37.51          | ---            | 56.00        | 18.49       | N    | 9.8        |
| 0.706000        | ---            | 29.54          | 46.00        | 16.46       | N    | 9.8        |
| 0.769500        | ---            | 35.81          | 46.00        | 10.19       | N    | 9.8        |
| 0.769500        | 38.47          | ---            | 56.00        | 17.53       | N    | 9.8        |
| 2.306000        | 39.04          | ---            | 56.00        | 16.96       | N    | 9.9        |
| 2.306000        | ---            | 35.10          | 46.00        | 10.90       | N    | 9.9        |
| 3.842000        | ---            | 32.96          | 46.00        | 13.04       | N    | 9.9        |
| 3.842000        | 39.93          | ---            | 56.00        | 16.07       | N    | 9.9        |
| 7.678000        | 41.69          | ---            | 60.00        | 18.31       | N    | 10.0       |
| 7.682000        | ---            | 39.38          | 50.00        | 10.62       | N    | 10.0       |
| 10.753500       | 41.36          | ---            | 60.00        | 18.64       | N    | 10.0       |
| 10.753500       | ---            | 40.27          | 50.00        | 9.73        | N    | 10.0       |

### Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.769500        | ---              | 36.55          | 46.00        | 9.45        | 1000.0          | 9.000           | N    | 9.8        |
| 0.769500        | 37.44            | ---            | 56.00        | 18.56       | 1000.0          | 9.000           | N    | 9.8        |
| 10.753500       | ---              | 40.66          | 50.00        | 9.34        | 1000.0          | 9.000           | N    | 10.0       |
| 10.753500       | 40.77            | ---            | 60.00        | 19.23       | 1000.0          | 9.000           | N    | 10.0       |