

## Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

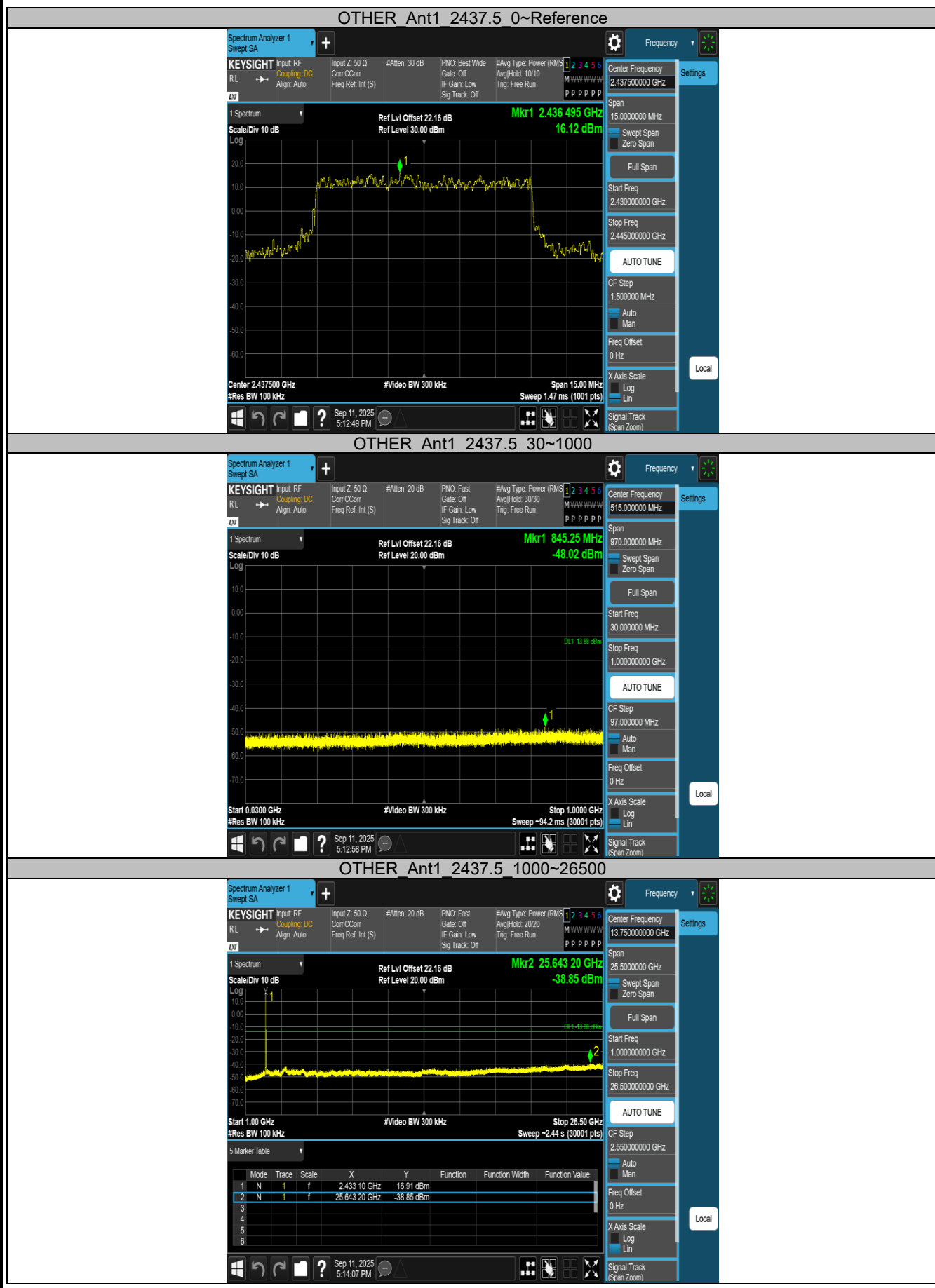
Note: This testing was carried out on both antenna port 0 and port 1, but only the worst case was presented in this report.

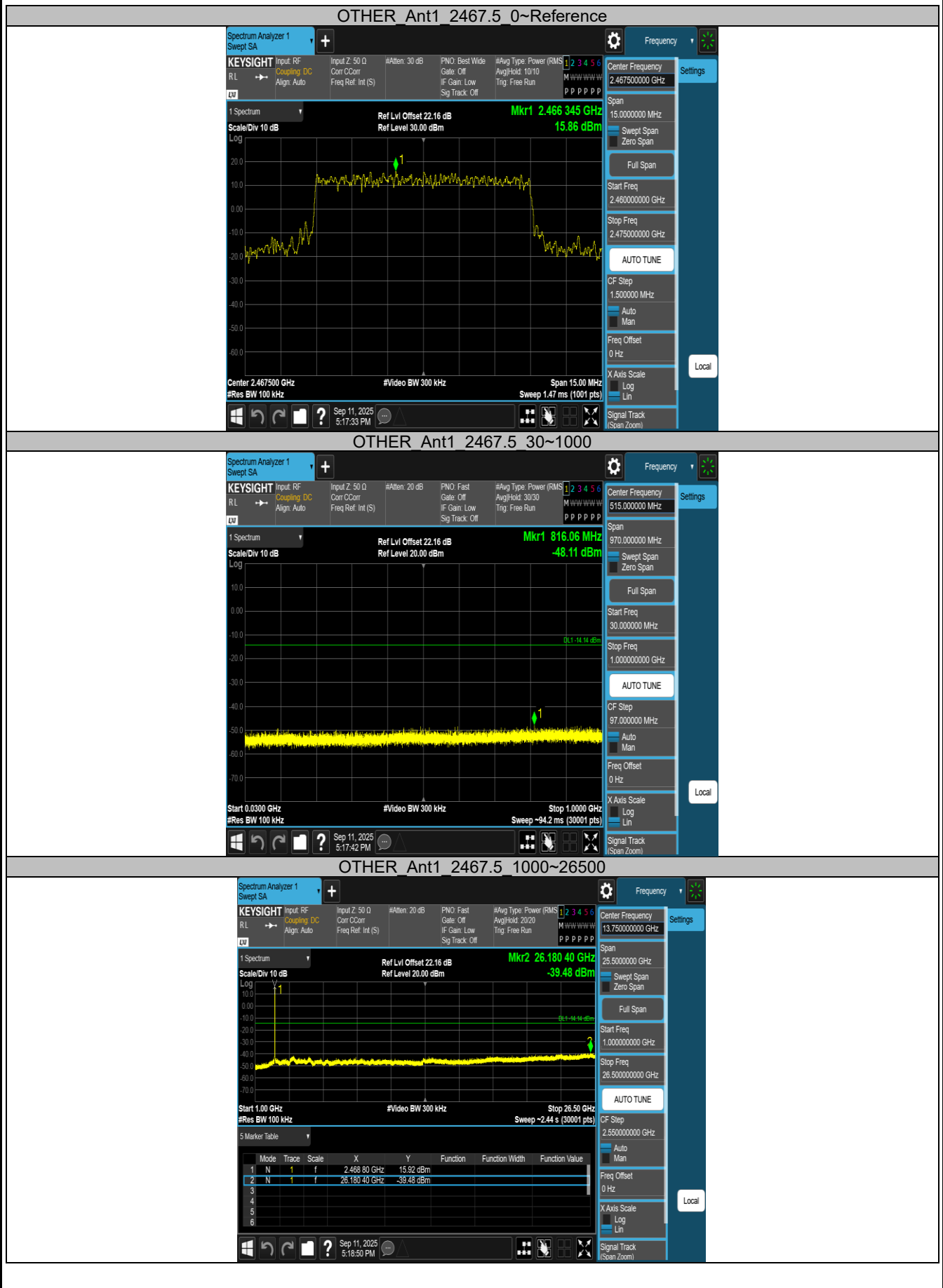
### Conducted Spurious Emission

2.4GHz SDR, 10MHz BW

| TestMode | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| OTHER    | Ant1    | 2407.5  | Reference       | 16.29          | 16.29        | ---         | PASS    |
|          |         |         | 30~1000         | 16.29          | -47.81       | ≤-13.71     | PASS    |
|          |         |         | 1000~26500      | 16.29          | -39.17       | ≤-13.71     | PASS    |
|          |         | 2437.5  | Reference       | 16.12          | 16.12        | ---         | PASS    |
|          |         |         | 30~1000         | 16.12          | -48.02       | ≤-13.88     | PASS    |
|          |         |         | 1000~26500      | 16.12          | -38.85       | ≤-13.88     | PASS    |
|          |         | 2467.5  | Reference       | 15.86          | 15.86        | ---         | PASS    |
|          |         |         | 30~1000         | 15.86          | -48.11       | ≤-14.14     | PASS    |
|          |         |         | 1000~26500      | 15.86          | -39.48       | ≤-14.14     | PASS    |

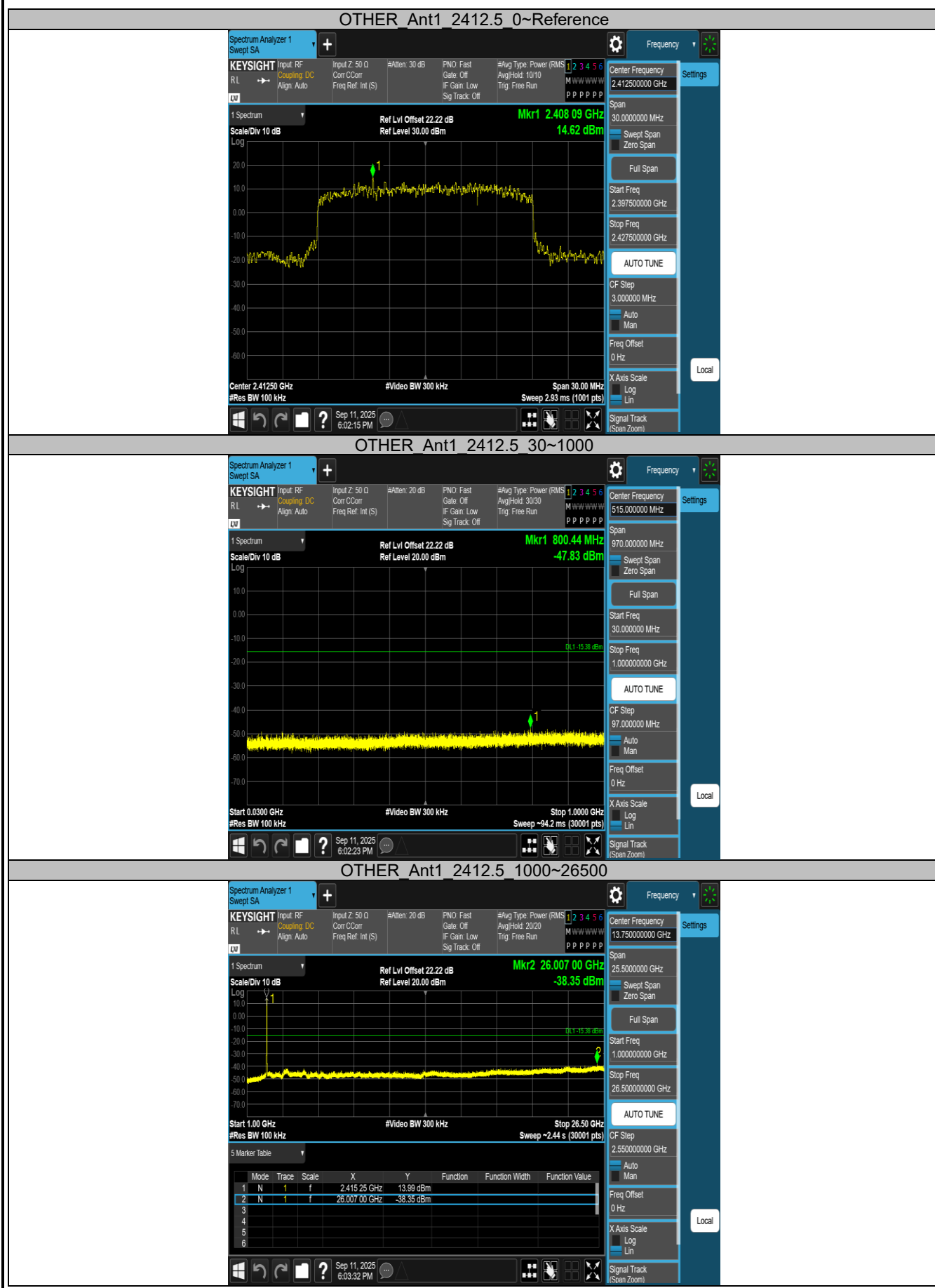


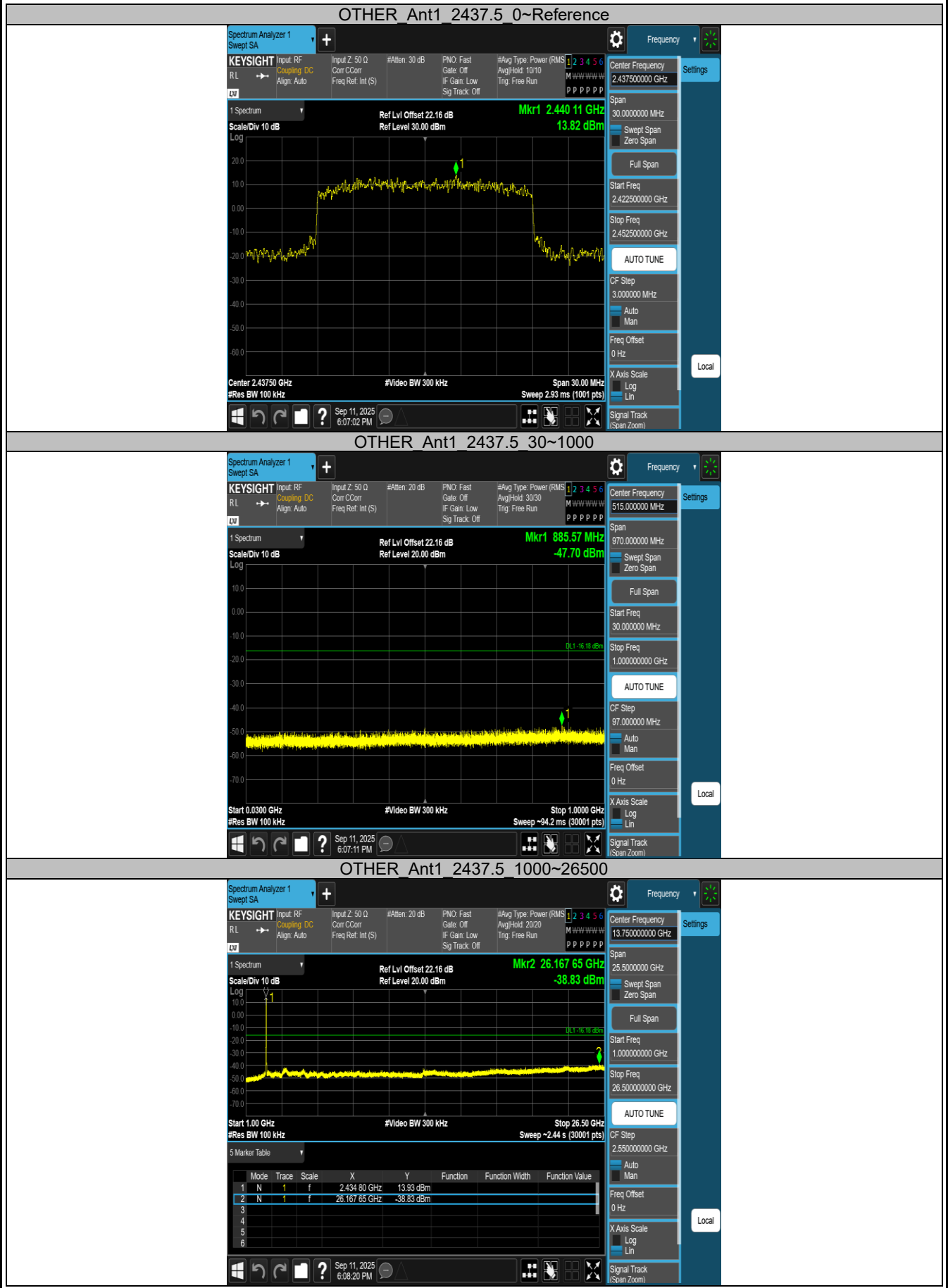




2.4GHz SDR, 20MHz BW

| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| OTHER    | Ant1    | 2412.5  | Reference          | 14.62             | 14.62           | ---            | PASS    |
|          |         |         | 30~1000            | 14.62             | -47.83          | ≤-15.38        | PASS    |
|          |         |         | 1000~26500         | 14.62             | -38.35          | ≤-15.38        | PASS    |
|          |         | 2437.5  | Reference          | 13.82             | 13.82           | ---            | PASS    |
|          |         |         | 30~1000            | 13.82             | -47.7           | ≤-16.18        | PASS    |
|          |         |         | 1000~26500         | 13.82             | -38.83          | ≤-16.18        | PASS    |
|          |         | 2462.5  | Reference          | 13.97             | 13.97           | ---            | PASS    |
|          |         |         | 30~1000            | 13.97             | -47.47          | ≤-16.03        | PASS    |
|          |         |         | 1000~26500         | 13.97             | -38.87          | ≤-16.03        | PASS    |







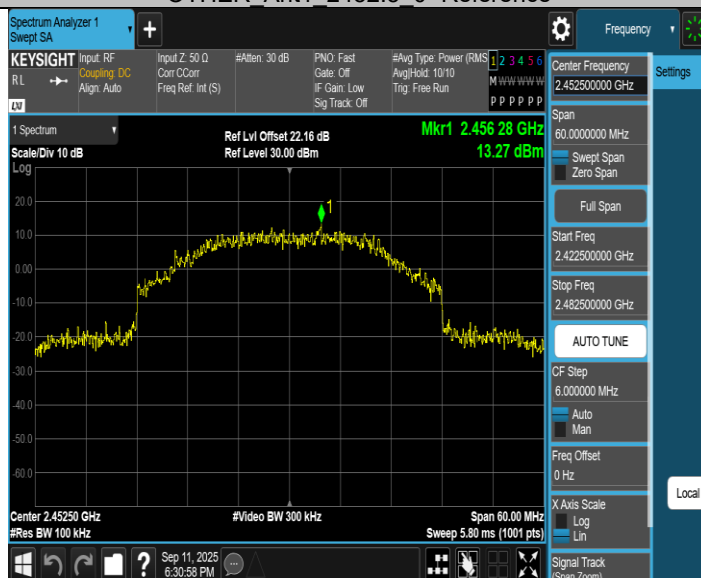
2.4GHz SDR, 40MHz BW

| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| OTHER    | Ant1    | 2422.5  | Reference          | 12.92             | 12.92           | ---            | PASS    |
|          |         |         | 30~1000            | 12.92             | -47.68          | ≤-17.08        | PASS    |
|          |         |         | 1000~26500         | 12.92             | -38.68          | ≤-17.08        | PASS    |
|          |         | 2437.5  | Reference          | 13.17             | 13.17           | ---            | PASS    |
|          |         |         | 30~1000            | 13.17             | -47.49          | ≤-16.83        | PASS    |
|          |         |         | 1000~26500         | 13.17             | -38.77          | ≤-16.83        | PASS    |
|          |         | 2452.5  | Reference          | 13.27             | 13.27           | ---            | PASS    |
|          |         |         | 30~1000            | 13.27             | -47.84          | ≤-16.73        | PASS    |
|          |         |         | 1000~26500         | 13.27             | -38             | ≤-16.73        | PASS    |

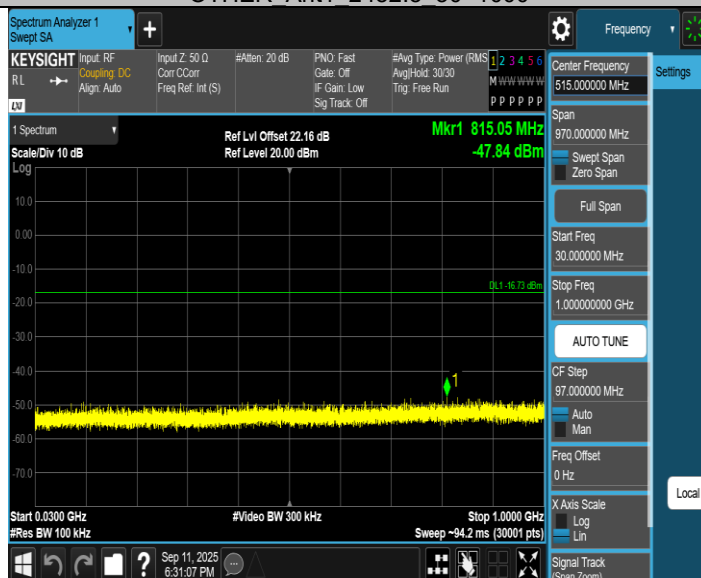




OTHER Ant1 2452.5 0~Reference



OTHER Ant1 2452.5 30~1000



OTHER Ant1 2452.5 1000~26500



2.4GHz SDR, 60MHz BW

| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| OTHER    | Ant1    | 2432.5  | Reference          | 10.61             | 10.61           | ---            | PASS    |
|          |         |         | 30~1000            | 10.61             | -47.8           | ≤-19.39        | PASS    |
|          |         |         | 1000~26500         | 10.61             | -39.01          | ≤-19.39        | PASS    |
|          |         | 2437.5  | Reference          | 13.28             | 13.28           | ---            | PASS    |
|          |         |         | 30~1000            | 13.28             | -48.22          | ≤-16.72        | PASS    |
|          |         |         | 1000~26500         | 13.28             | -38.55          | ≤-16.72        | PASS    |
|          |         | 2442.5  | Reference          | 11.47             | 11.47           | ---            | PASS    |
|          |         |         | 30~1000            | 11.47             | -47.82          | ≤-18.53        | PASS    |
|          |         |         | 1000~26500         | 11.47             | -39.37          | ≤-18.53        | PASS    |







## Bandedge

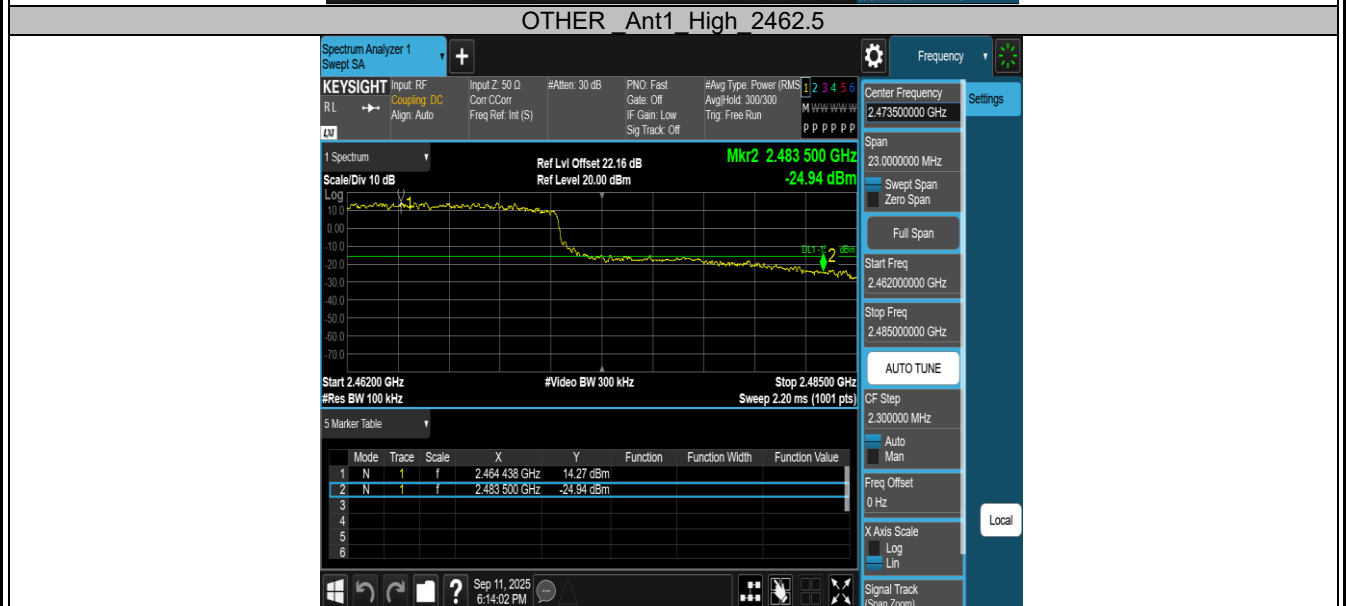
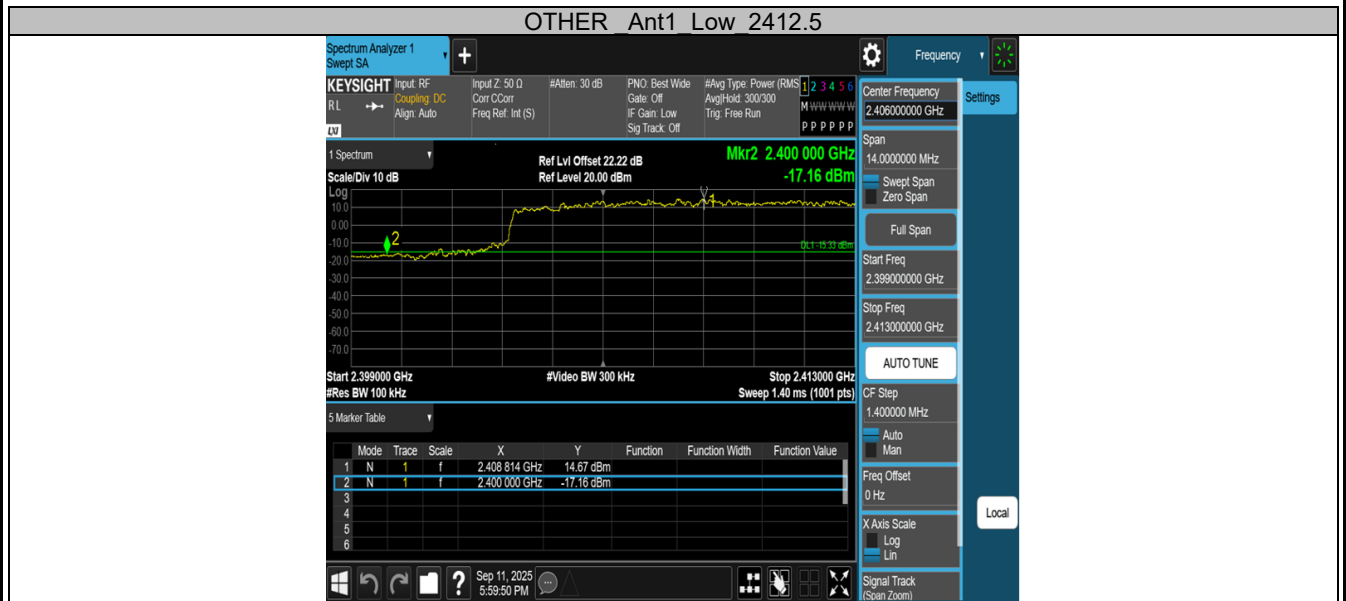
2.4GHz SDR, 10MHz BW

| TestMode | Antenna | ChName | Channel | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|---------|----------------|--------------|-------------|---------|
| OTHER    | Ant1    | Low    | 2407.5  | 16.85          | -15.44       | ≤-13.15     | PASS    |
|          |         | High   | 2467.5  | 16.78          | -34.69       | ≤-13.22     | PASS    |



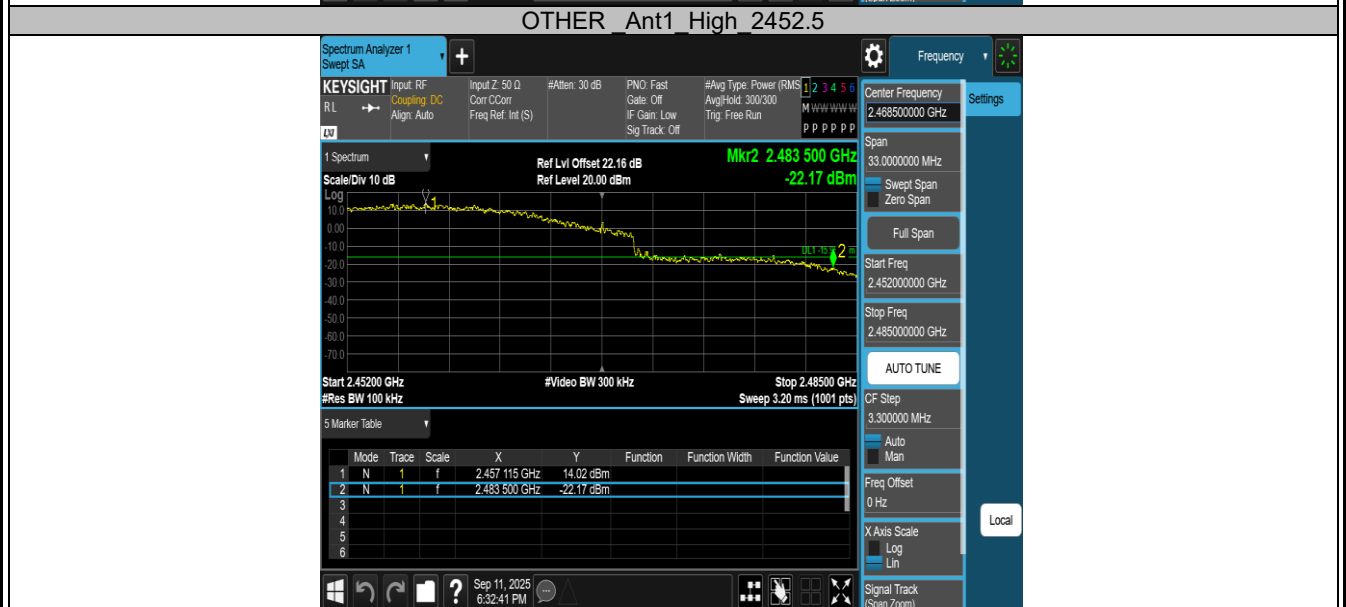
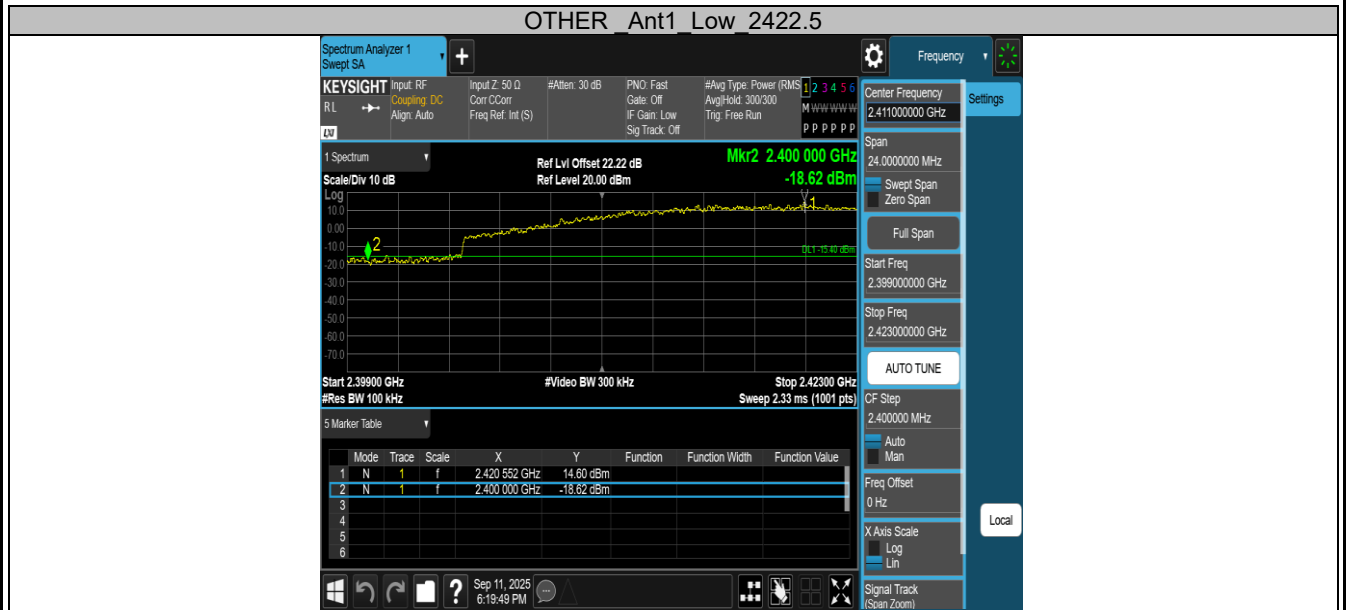
2.4GHz SDR, 20MHz BW

| TestMode | Antenna | ChName | Channel | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|---------|----------------|--------------|-------------|---------|
| OTHER    | Ant1    | Low    | 2412.5  | 14.67          | -17.16       | ≤-15.33     | PASS    |
|          |         | High   | 2462.5  | 14.27          | -24.94       | ≤-15.73     | PASS    |



2.4GHz SDR, 40MHz BW

| TestMode | Antenna | ChName | Channel | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|---------|----------------|--------------|-------------|---------|
| OTHER    | Ant1    | Low    | 2422.5  | 14.60          | -18.62       | ≤-15.40     | PASS    |
|          |         | High   | 2452.5  | 14.02          | -22.17       | ≤-15.98     | PASS    |



2.4GHz SDR, 60MHz BW

| TestMode | Antenna | ChName | Channel | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|---------|----------------|--------------|-------------|---------|
| OTHER    | Ant1    | Low    | 2432.5  | 10.10          | -22.26       | ≤-19.90     | PASS    |
|          |         | High   | 2442.5  | 13.29          | -19.52       | ≤-16.71     | PASS    |

## OTHER Ant1 Low 2432.5



## OTHER Ant1 High 2442.5



## Appendix B.5: Test Results of Radiated Spurious Emissions

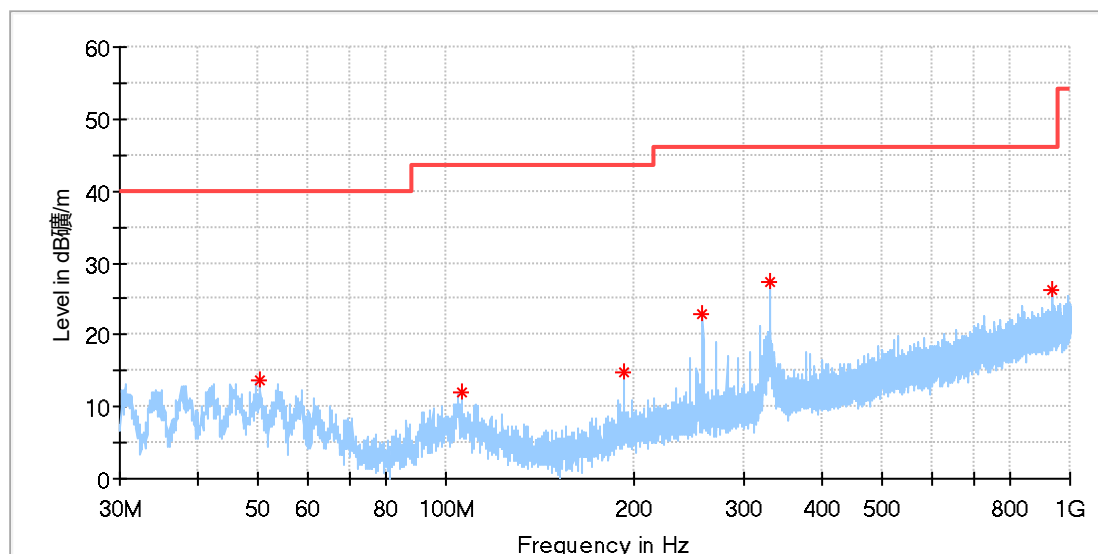
Note:

- 1) This testing was carried out on both antenna port 0 and port 1, but only the worst case was presented in this report. This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 3) The highest emissions are the SDR fundamental signals.

### 30MHz - 1GHz

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

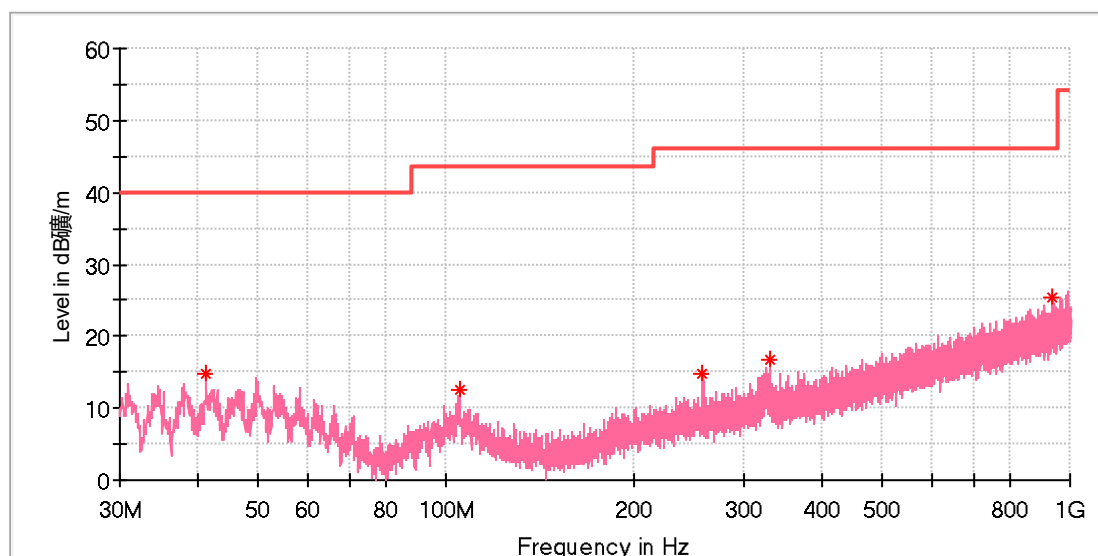
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 50.220769       | 13.55            | 40.00          | 26.45       | 100.0       | H   | 344.0         | -18.4        |
| 106.219615      | 12.11            | 43.50          | 31.39       | 100.0       | H   | 335.0         | -19.0        |
| 192.624231      | 14.77            | 43.50          | 28.73       | 100.0       | H   | 283.0         | -19.5        |
| 257.987308      | 22.95            | 46.00          | 23.05       | 100.0       | H   | 144.0         | -17.2        |
| 329.991154      | 27.23            | 46.00          | 18.77       | 100.0       | H   | 119.0         | -15.3        |
| 936.950000      | 26.11            | 46.00          | 19.89       | 100.0       | H   | 144.0         | -4.4         |

## Final\_Result

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

## EUT Information

EUT Name: Unmanned Aircraft  
Model: FKABZFI  
Test Mode: SDR 2.4G\_10M\_2437.5MHz  
Order No/Sample No: 168571276/A004073677-005  
Test Voltage:: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 41.266923       | 14.87            | 40.00          | 25.13       | 100.0       | V   | 57.0          | -19.9        |
| 105.025769      | 12.53            | 43.50          | 30.97       | 100.0       | V   | 0.0           | -18.9        |
| 257.987308      | 14.85            | 46.00          | 31.15       | 100.0       | V   | 333.0         | -17.2        |
| 329.991154      | 16.80            | 46.00          | 29.20       | 100.0       | V   | 7.0           | -15.3        |
| 938.442308      | 25.49            | 46.00          | 20.51       | 100.0       | V   | 308.0         | -4.4         |

## Final Result

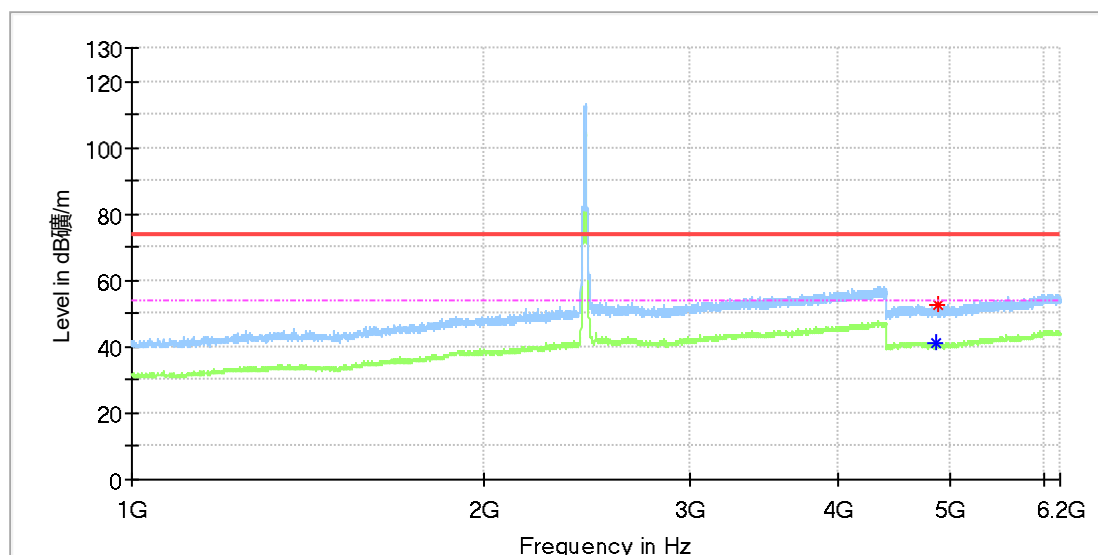
| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---          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

**1GHz - 18GHz**

Note: The highest waveform in the figure is 2.4GHz SDR Fundamental.

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



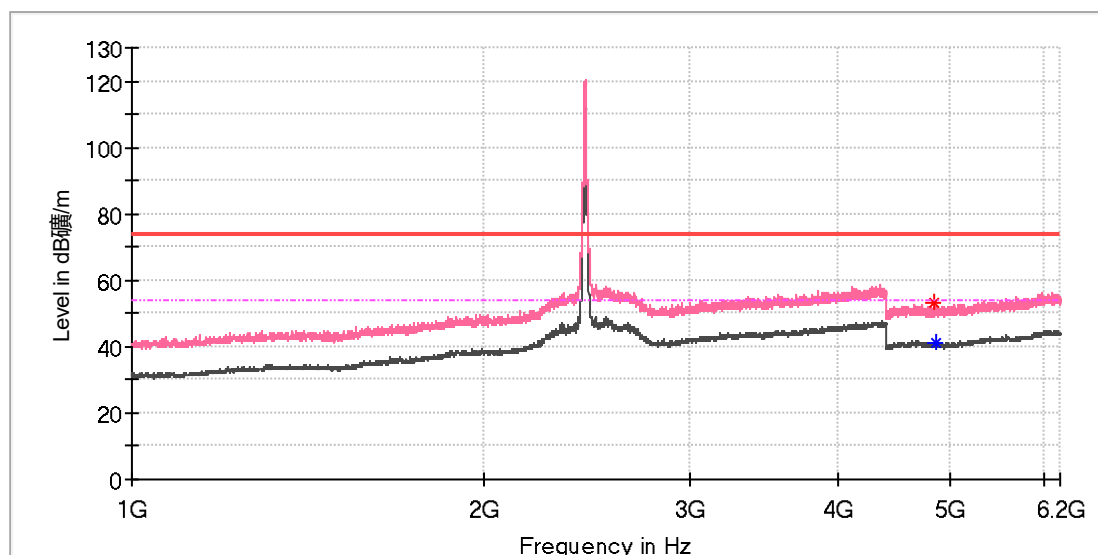
## Critical Freqs

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 4860.500000        | ---                 | 41.16               | 54.00             | 12.84          | 150.0          | H   | 105.0            | 13.3            |
| 4876.000000        | 52.35               | ---                 | 74.00             | 21.65          | 150.0          | H   | 246.0            | 13.3            |

## Final Result

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

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

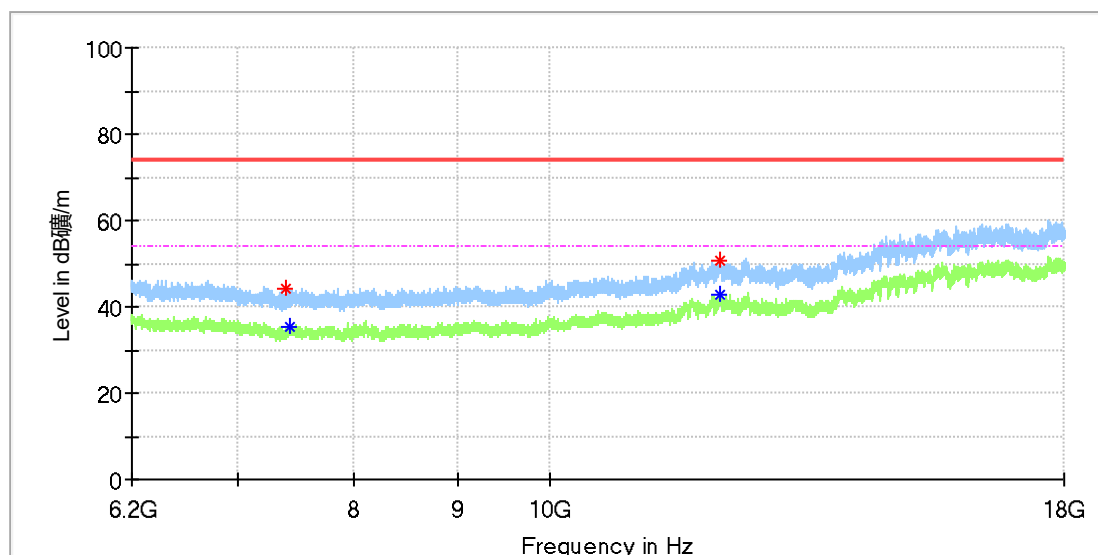
| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 4842.000000        | 53.42               | ---                 | 74.00             | 20.58          | 150.0          | V   | 272.0            | 13.3            |
| 4862.000000        | ---                 | 41.06               | 54.00             | 12.94          | 150.0          | V   | 308.0            | 13.3            |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 100.00             | 100.00              | 100.00              | 100.00            | 100.00         | 100.00         |     | 100.00           | 100.00          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

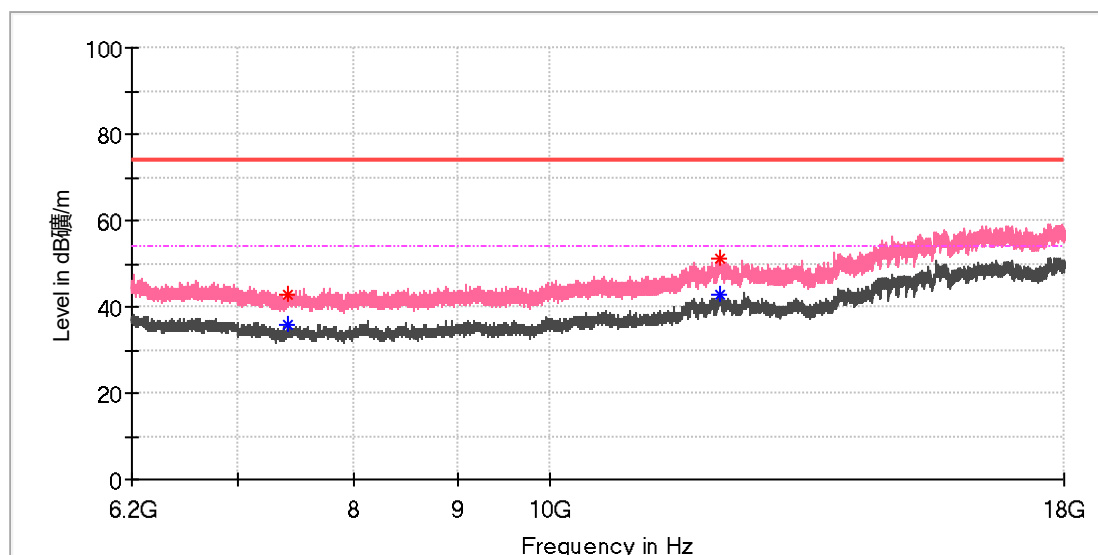
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7400.650000     | 44.18            | ---              | 74.00          | 29.82       | 150.0       | H   | 339.0         | 8.3          |
| 7424.741667     | ---              | 35.46            | 54.00          | 18.54       | 150.0       | H   | 339.0         | 8.4          |
| 12142.775000    | ---              | 42.73            | 54.00          | 11.27       | 150.0       | H   | 111.0         | 16.5         |
| 12157.033333    | 50.91            | ---              | 74.00          | 23.09       | 150.0       | H   | 304.0         | 16.4         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

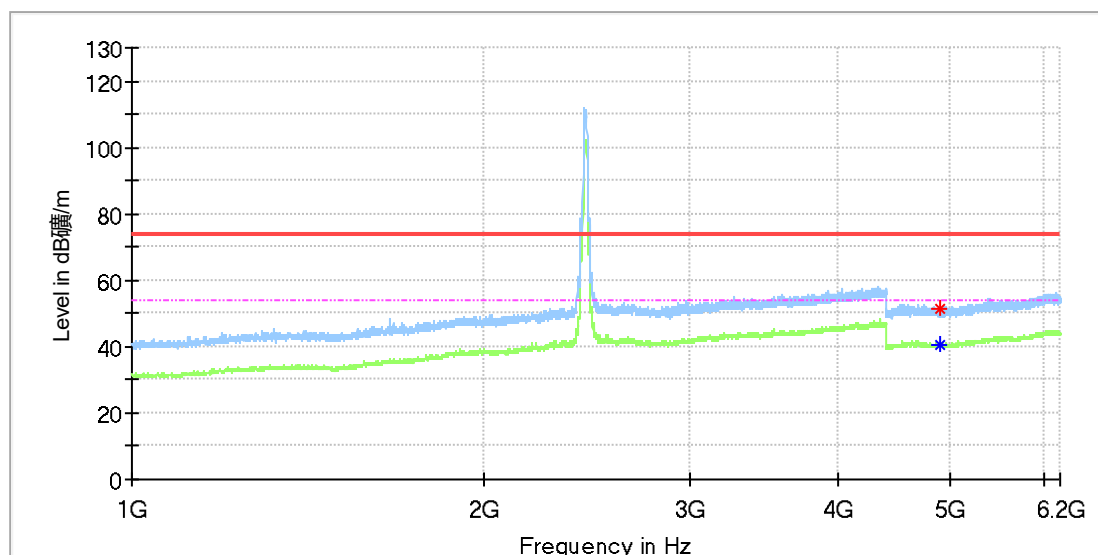
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7403.600000     | 42.94            | ---              | 74.00          | 31.06       | 150.0       | V   | 52.0          | 8.3          |
| 7410.483333     | ---              | 35.74            | 54.00          | 18.26       | 150.0       | V   | 17.0          | 8.3          |
| 12142.775000    | 51.26            | ---              | 74.00          | 22.74       | 150.0       | V   | 189.0         | 16.5         |
| 12153.591667    | ---              | 42.57            | 54.00          | 11.43       | 150.0       | V   | 109.0         | 16.5         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

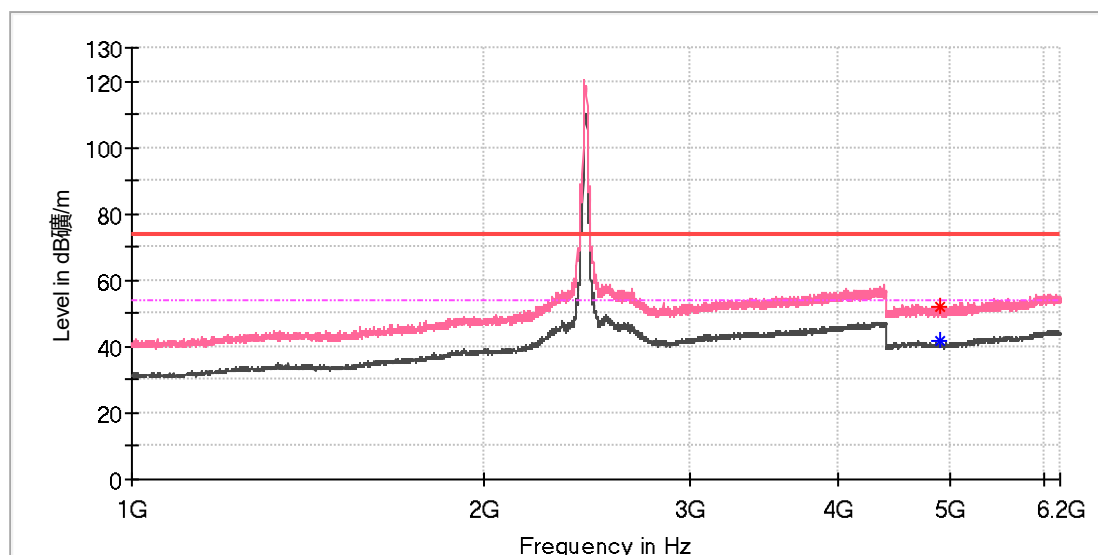
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 4898.500000        | 51.47               | ---                 | 74.00             | 22.53          | 150.0          | H   | 2.0              | 13.3            |
| 4900.000000        | ---                 | 40.77               | 54.00             | 13.23          | 150.0          | H   | 86.0             | 13.3            |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | V   | 135              | 0               |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

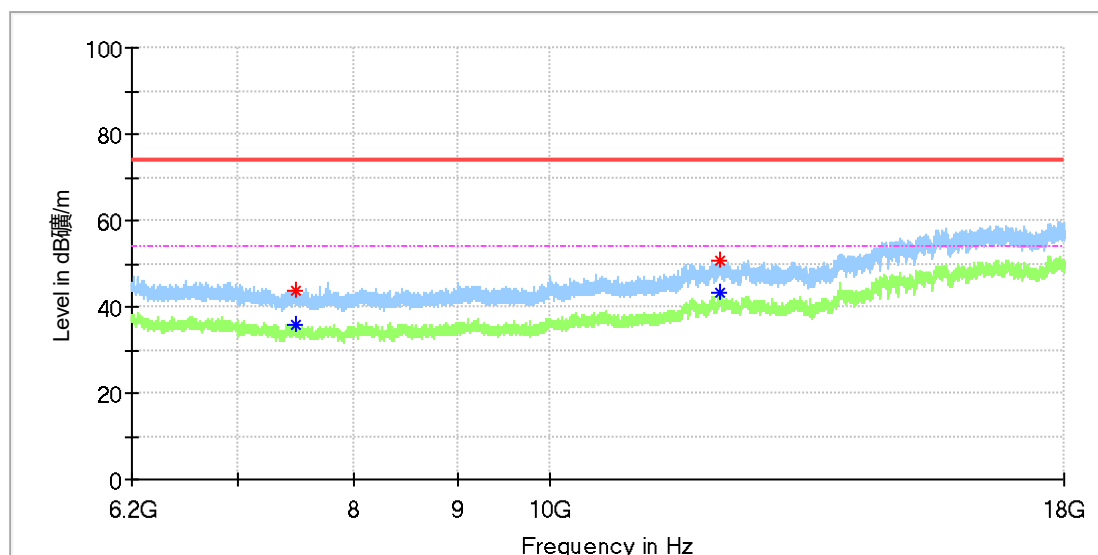
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 4889.500000        | 51.73               | ---                 | 74.00             | 22.27          | 150.0          | V   | 47.0             | 13.3            |
| 4892.500000        | ---                 | 41.42               | 54.00             | 12.58          | 150.0          | V   | 10.0             | 13.3            |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | V   | 135              | 0               |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



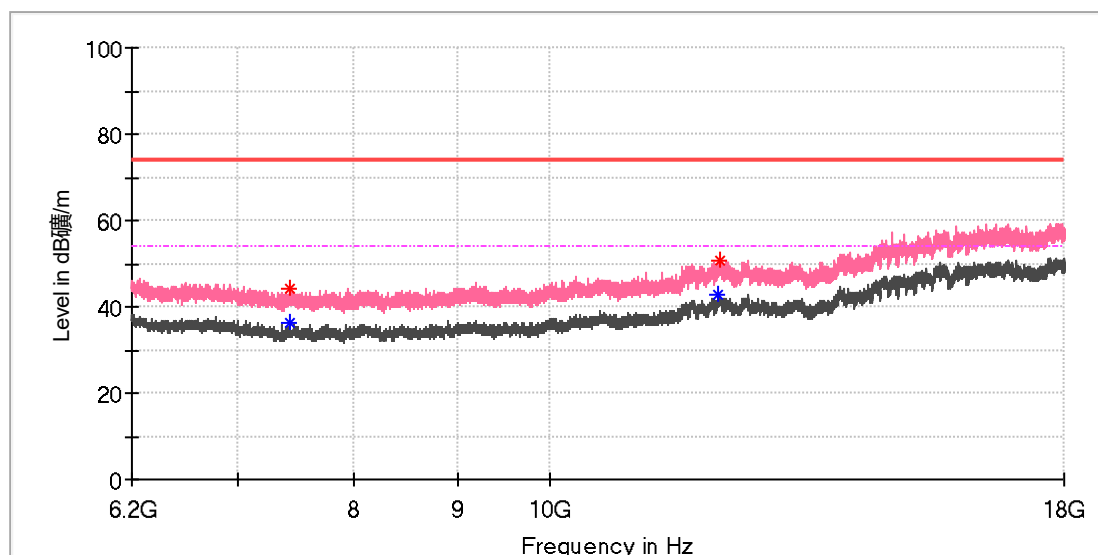
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7470.958333     | 43.91            | ---              | 74.00          | 30.09       | 150.0       | H   | 164.0         | 8.6          |
| 7474.400000     | ---              | 35.59            | 54.00          | 18.41       | 150.0       | H   | 42.0          | 8.6          |
| 12137.858333    | ---              | 43.04            | 54.00          | 10.96       | 150.0       | H   | 354.0         | 16.4         |
| 12151.625000    | 50.92            | ---              | 74.00          | 23.08       | 150.0       | H   | 345.0         | 16.6         |

## Final Result

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

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7425.725000     | ---              | 36.22            | 54.00          | 17.78       | 150.0       | V   | 267.0         | 8.4          |
| 7429.658333     | 43.97            | ---              | 74.00          | 30.03       | 150.0       | V   | 354.0         | 8.4          |
| 12128.516667    | ---              | 42.89            | 54.00          | 11.11       | 150.0       | V   | 29.0          | 16.2         |
| 12139.333333    | 50.67            | ---              | 74.00          | 23.33       | 150.0       | V   | 211.0         | 16.5         |

## Final Result

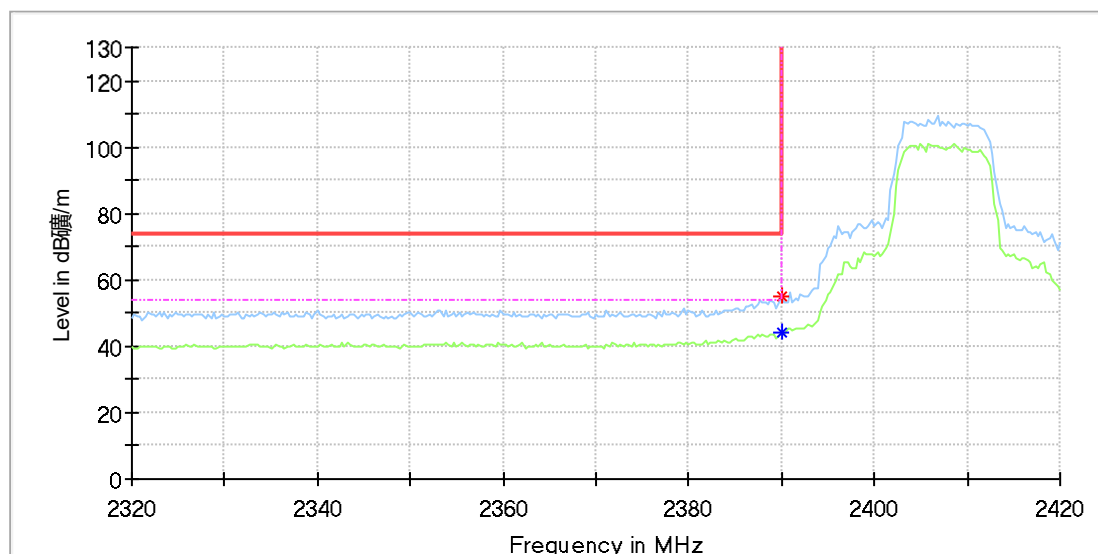
| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|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

## Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

## 2.4GHz SDR, 10MHz BW

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2407.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

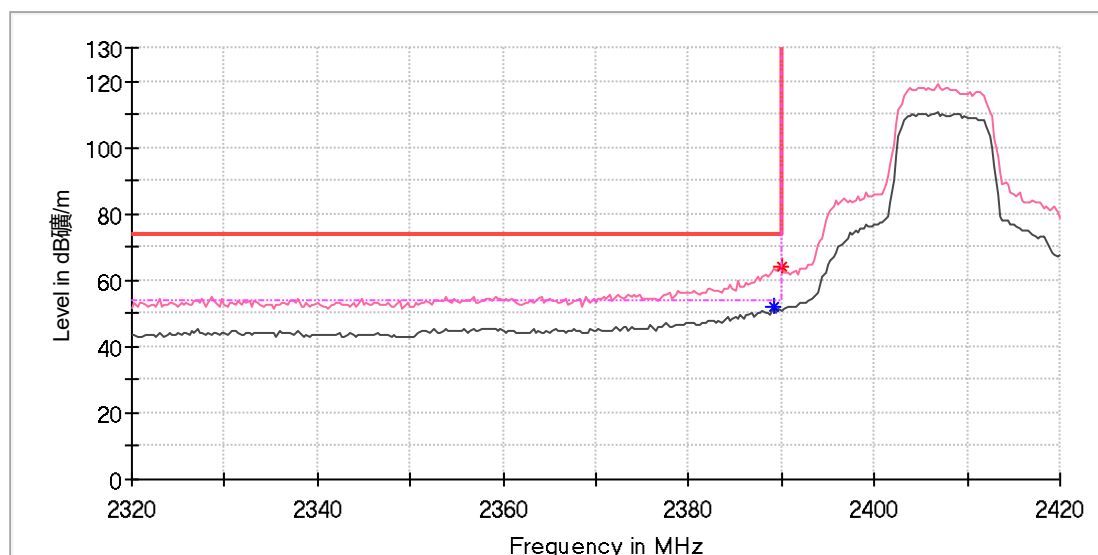
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2390.000000        | ---                 | 43.89               | 54.00             | 10.11          | 150.0          | H   | 119.0            | 8.5             |
| 2390.000000        | 54.87               | ---                 | 74.00             | 19.13          | 150.0          | H   | 119.0            | 8.5             |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2407.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

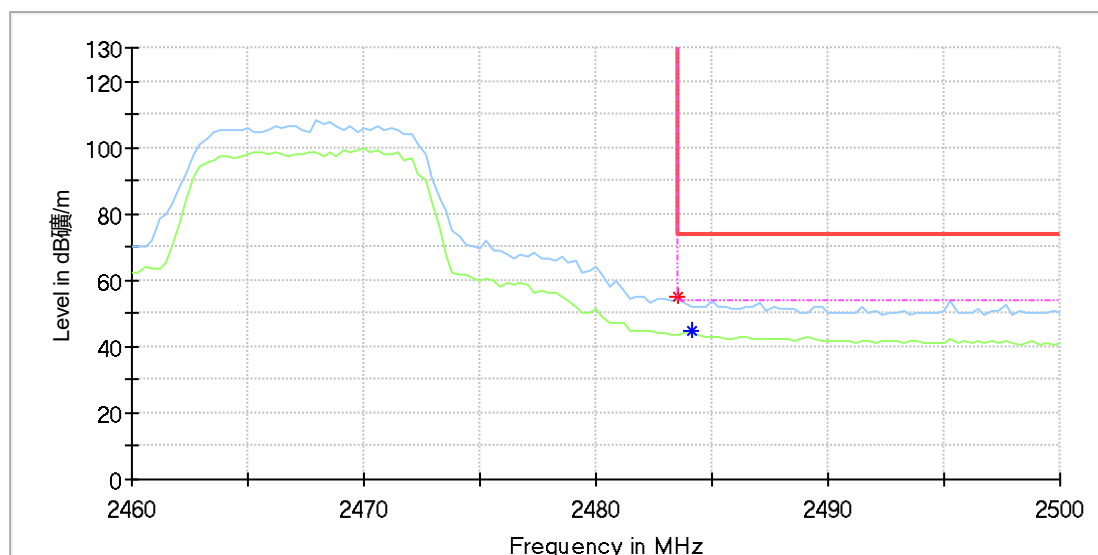
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2389.117647        | ---                 | 51.90               | 54.00             | 2.10           | 150.0          | V   | 109.0            | 8.5             |
| 2390.000000        | 64.38               | ---                 | 74.00             | 9.62           | 150.0          | V   | 109.0            | 8.5             |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | V   | 135              | 0               |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2467.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

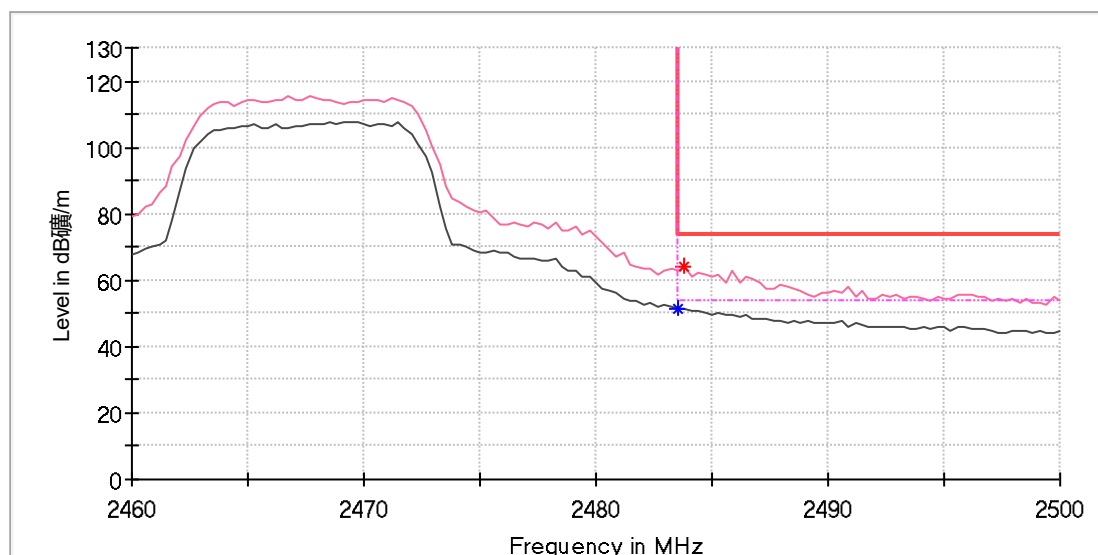
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2483.529412        | 55.01               | ---                 | 74.00             | 18.99          | 150.0          | H   | 314.0            | 9.0             |
| 2484.117647        | ---                 | 44.57               | 54.00             | 9.43           | 150.0          | H   | 320.0            | 9.0             |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 93.7            | 122.0            | 118.0            | 120.0          | 2.0         | 100         | V   | 135           | 0.0          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_10M_2467.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

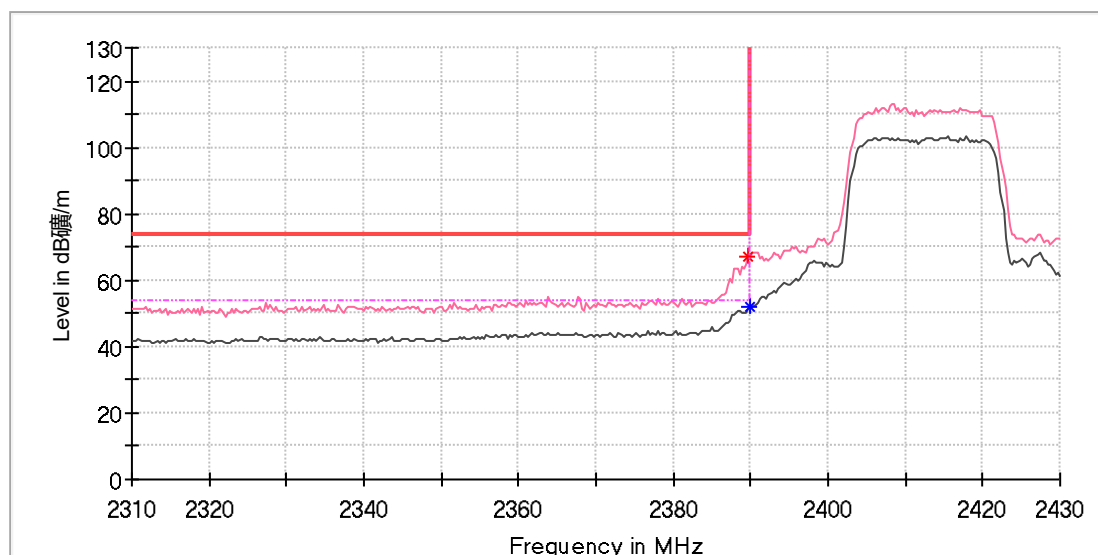
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | ---              | 51.58            | 54.00          | 2.42        | 150.0       | V   | 84.0          | 9.0          |
| 2483.823529     | 64.23            | ---              | 74.00          | 9.77        | 150.0       | V   | 98.0          | 9.0          |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | h   | 135              | 0               |

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

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2412.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

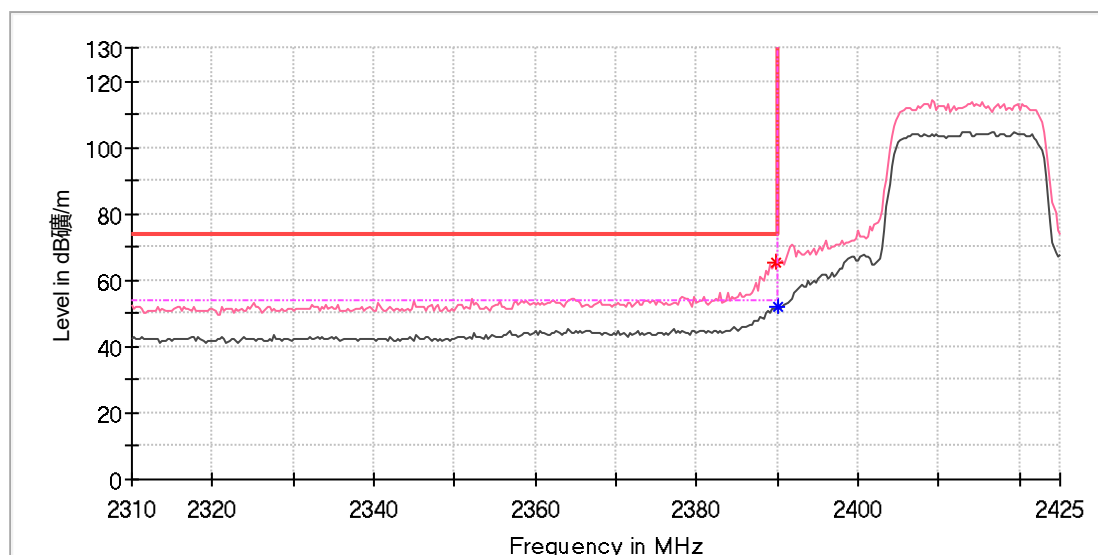
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2389.705882        | 67.29               | ---                 | 74.00             | 6.71           | 150.0          | V   | 105.0            | 8.5             |
| 2390.000000        | ---                 | 51.78               | 54.00             | 2.22           | 150.0          | V   | 51.0             | 8.5             |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 100.00             | 100.00              | 100.00              | 100.00            | 100.00         | 100.00         |     | 100.00           | 100.00          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2413.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



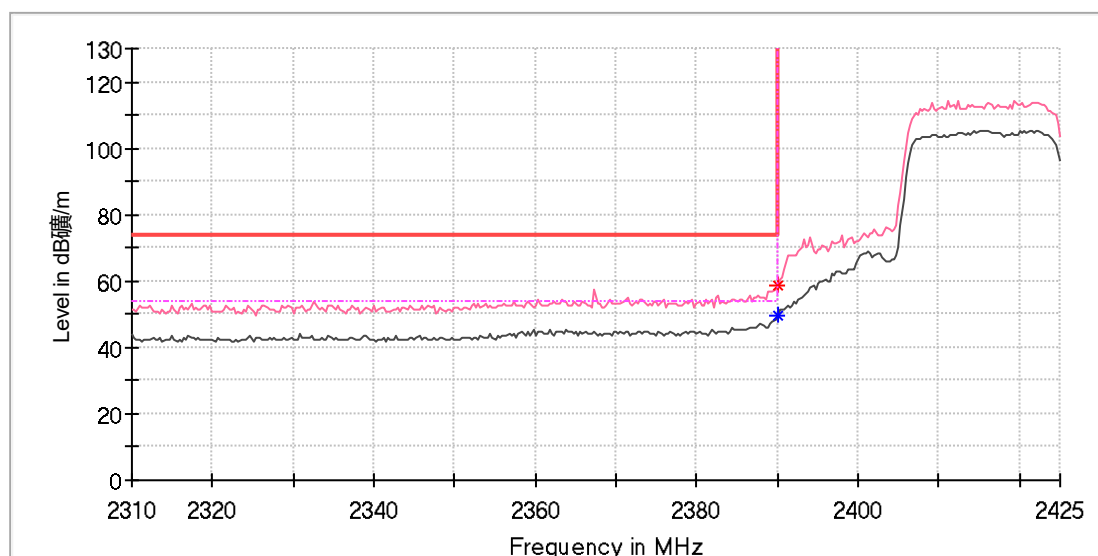
## Critical Freqs

| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2389.705882        | 65.19               | ---                 | 74.00             | 8.81           | 150.0          | V   | 110.0            | 8.5             |
| 2390.000000        | ---                 | 51.70               | 54.00             | 2.30           | 150.0          | V   | 310.0            | 8.5             |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | V   | 135              | 0               |

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2415.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

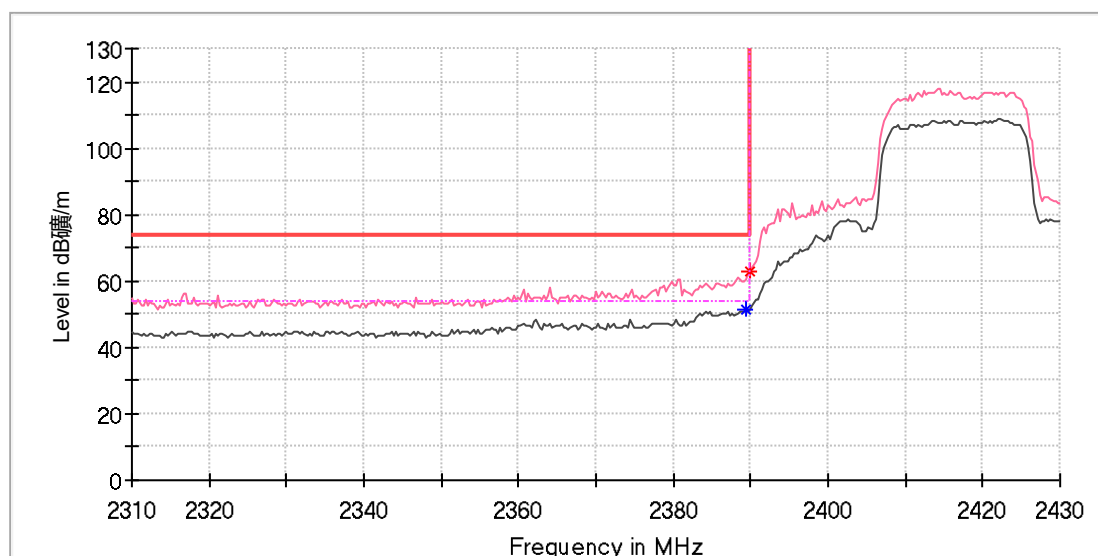


| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2390.000000        | 58.85               | ---                 | 74.00             | 15.15          | 150.0          | V   | 58.0             | 8.5             |
| 2390.000000        | ---                 | 49.85               | 54.00             | 4.15           | 150.0          | V   | 58.0             | 8.5             |

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.0               | 118.0               | 120.0             | 2.0            | 30.0           | V   | 135.0            | 0.0             |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_20M_2416.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2389.411765        | ---                 | 51.30               | 54.00             | 2.70           | 150.0          | V   | 178.0            | 8.5             |
| 2390.000000        | 62.81               | ---                 | 74.00             | 11.19          | 150.0          | V   | 312.0            | 8.5             |

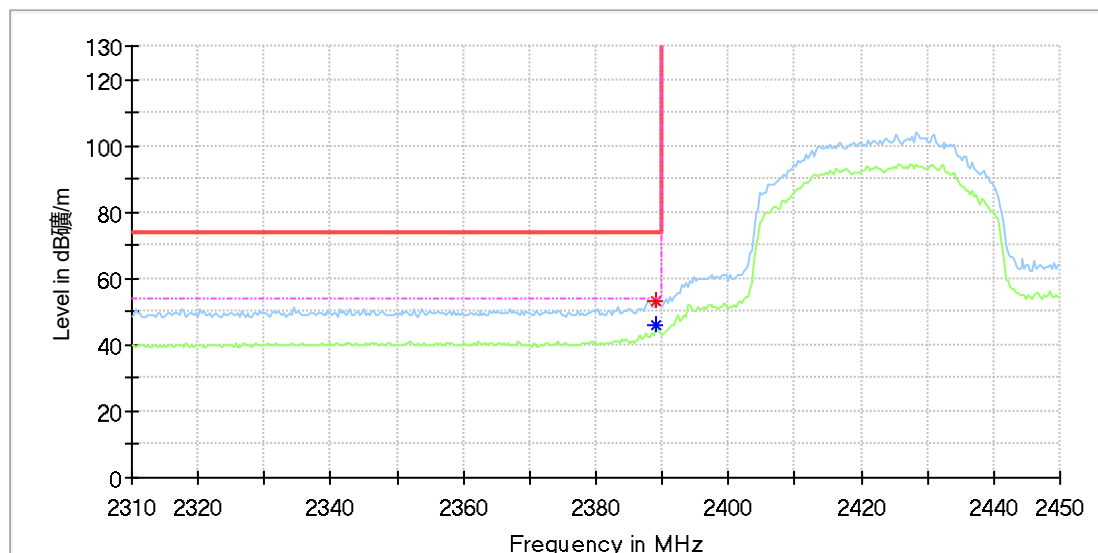
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 93.7            | 122.5            | 122.5            | 122.5          | 0           | 100         | 0   | 0             | 0            |

## 2.4GHz SDR, 40MHz BW

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_40M_2422.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

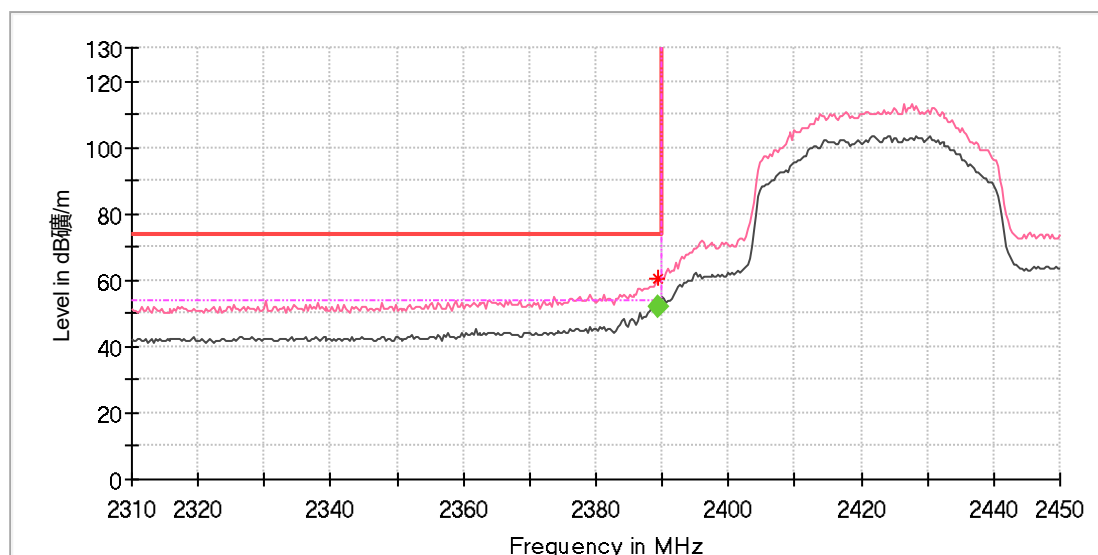
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2389.117647        | 53.19               | ---                 | 74.00             | 20.81          | 150.0          | H   | 271.0            | 8.5             |
| 2389.117647        | ---                 | 45.82               | 54.00             | 8.18           | 150.0          | H   | 271.0            | 8.5             |

## Final\_Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.5               | 120.0               | 110.0               | 120.0             | 0.0            | 100.0          | 0   | 0                | 0               |

## EUT Information

EUT Name: Unmanned Aircraft  
Model: FKABZFI  
Test Mode: SDR 2.4G\_40M\_2422.5MHz  
Order No/Sample No: 168571276/A004073677-005  
Test Voltage:: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

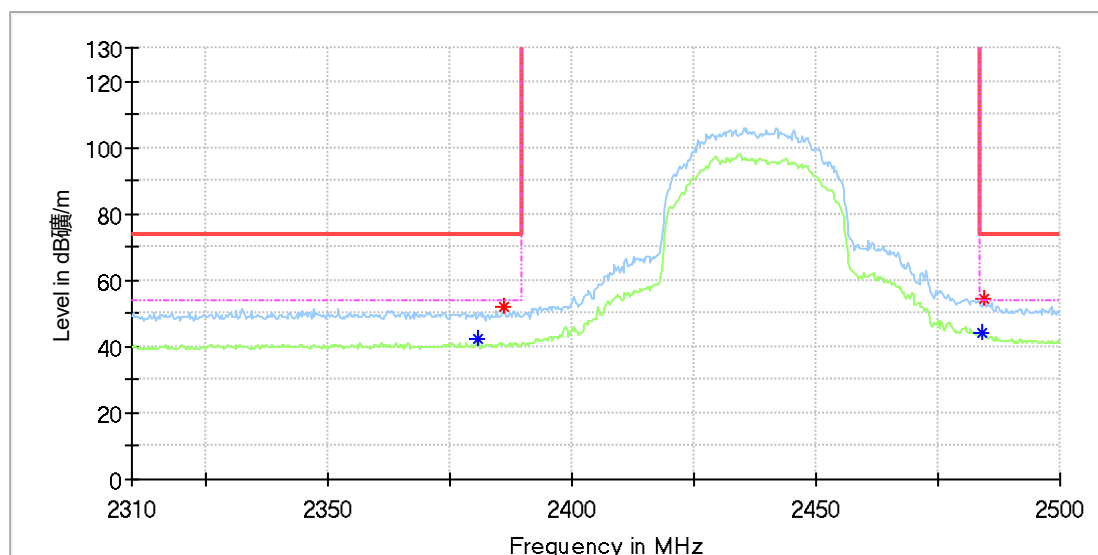
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.411765     | 60.24            | ---              | 74.00          | 13.76       | 150.0       | V   | 149.0         | 8.5          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.411765     | ---              | 51.80            | 54.00          | 2.20        | 150.0       | V   | 108.0         | 8.5          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_40M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2380.882353     | ---              | 42.22            | 54.00          | 11.78       | 150.0       | H   | 328.0         | 8.5          |
| 2386.176471     | 52.21            | ---              | 74.00          | 21.79       | 150.0       | H   | 328.0         | 8.5          |
| 2484.117647     | ---              | 43.92            | 54.00          | 10.08       | 150.0       | H   | 307.0         | 9.0          |
| 2484.411765     | 54.20            | ---              | 74.00          | 19.80       | 150.0       | H   | 307.0         | 9.0          |

## Final Result

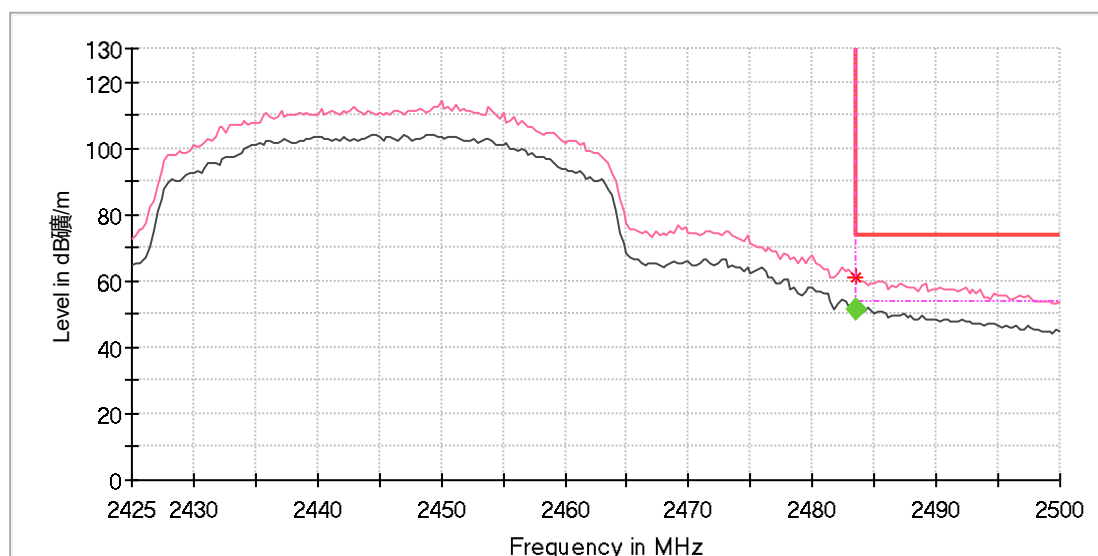
| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|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

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_40M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

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

## EUT Information

EUT Name: Unmanned Aircraft  
Model: FKABZFI  
Test Mode: SDR 2.4G\_40M\_2445.5MHz  
Order No/Sample No: 168571276/A004073677-005  
Test Voltage:: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

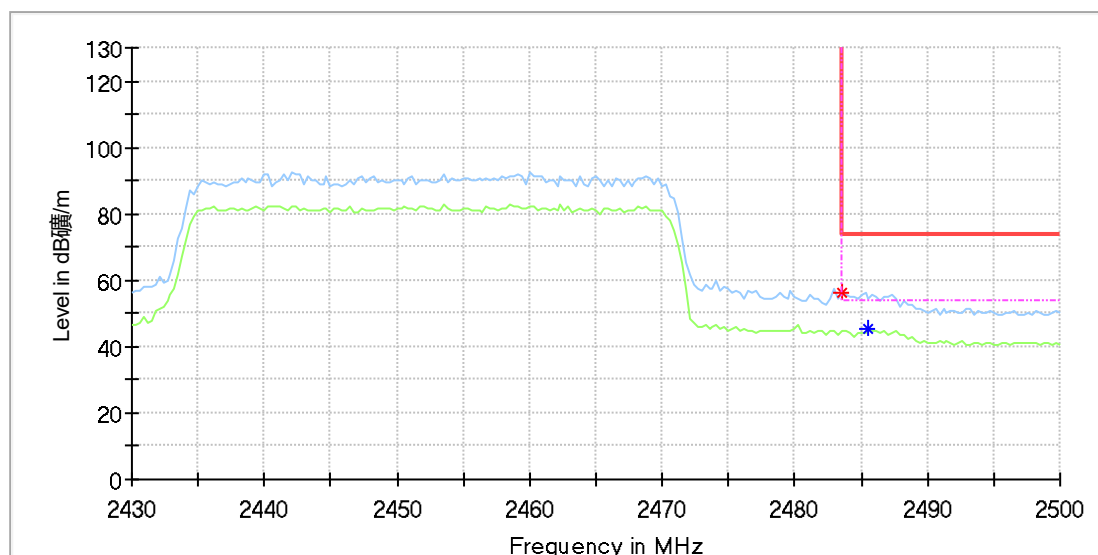
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | 61.25            | ---              | 74.00          | 12.75       | 150.0       | V   | 76.0          | 9.0          |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | ---              | 51.20            | 54.00          | 2.80        | 150.0       | V   | 76.0          | 9.0          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_40M_2452.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

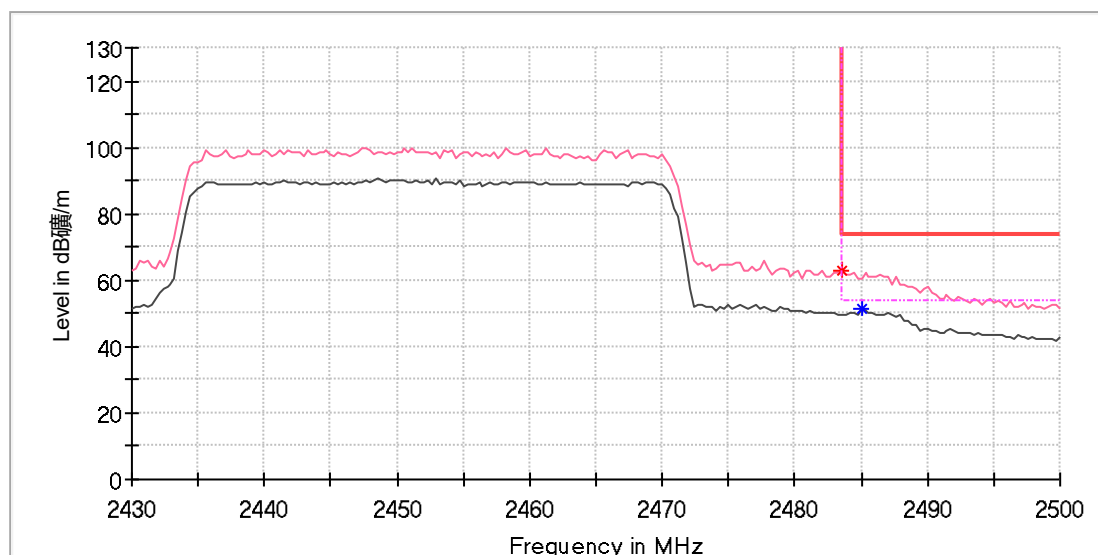
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2483.529412        | 56.29               | ---                 | 74.00             | 17.71          | 150.0          | H   | 191.0            | 9.0             |
| 2485.588235        | ---                 | 45.21               | 54.00             | 8.79           | 150.0          | H   | 316.0            | 9.0             |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | V   | 135              | 0               |

## EUT Information

EUT Name: Unmanned Aircraft  
Model: FKABZFI  
Test Mode: SDR 2.4G\_40M\_2452.5MHz  
Order No/Sample No: 168571276/A004073677-005  
Test Voltage:: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

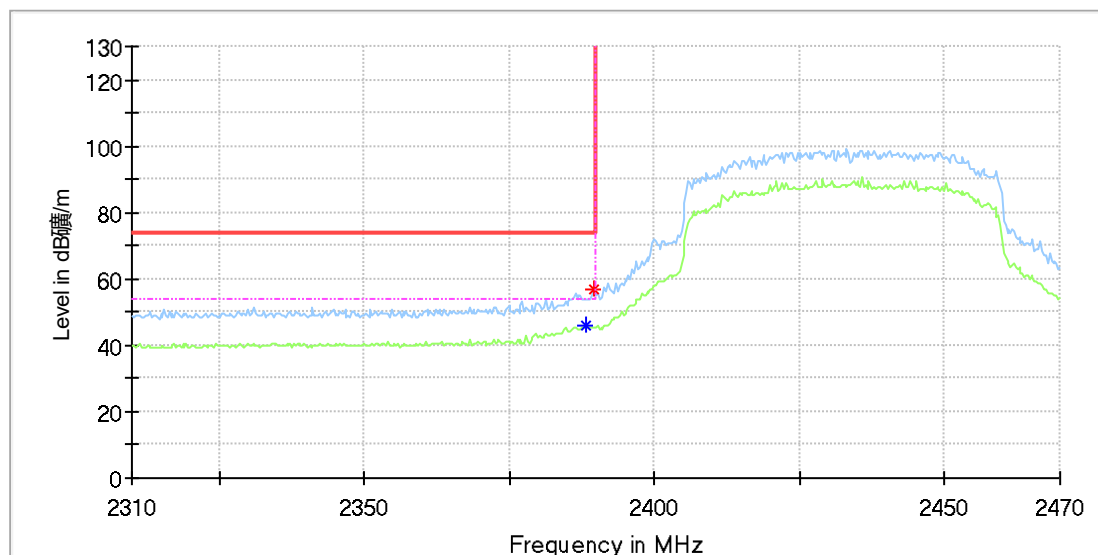
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | 63.12            | ---              | 74.00          | 10.88       | 150.0       | V   | 177.0         | 9.0          |
| 2485.000000     | ---              | 51.33            | 54.00          | 2.67        | 150.0       | V   | 172.0         | 9.0          |

## Final\_Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_60M_2432.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

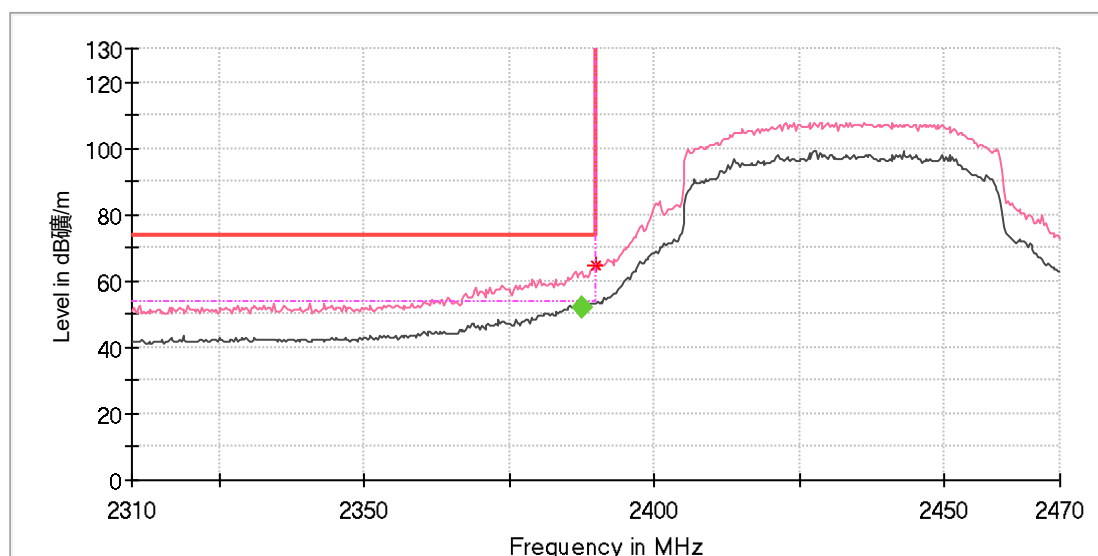
| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2388.235294        | ---                 | 46.08               | 54.00             | 7.92           | 150.0          | H   | 119.0            | 8.5             |
| 2389.705882        | 56.78               | ---                 | 74.00             | 17.22          | 150.0          | H   | 327.0            | 8.5             |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_60M_2432.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

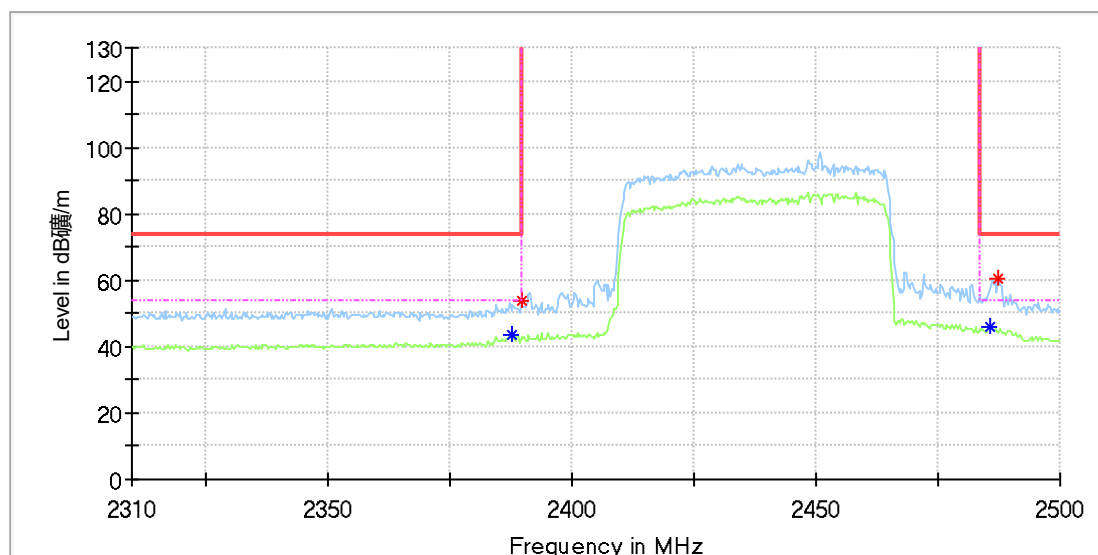
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.000000     | 64.60            | ---              | 74.00          | 9.40        | 150.0       | V   | 337.0         | 8.5          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.446912     | ---              | 51.71            | 54.00          | 2.29        | 150.0       | V   | 102.0         | 8.5          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_60M_2437.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

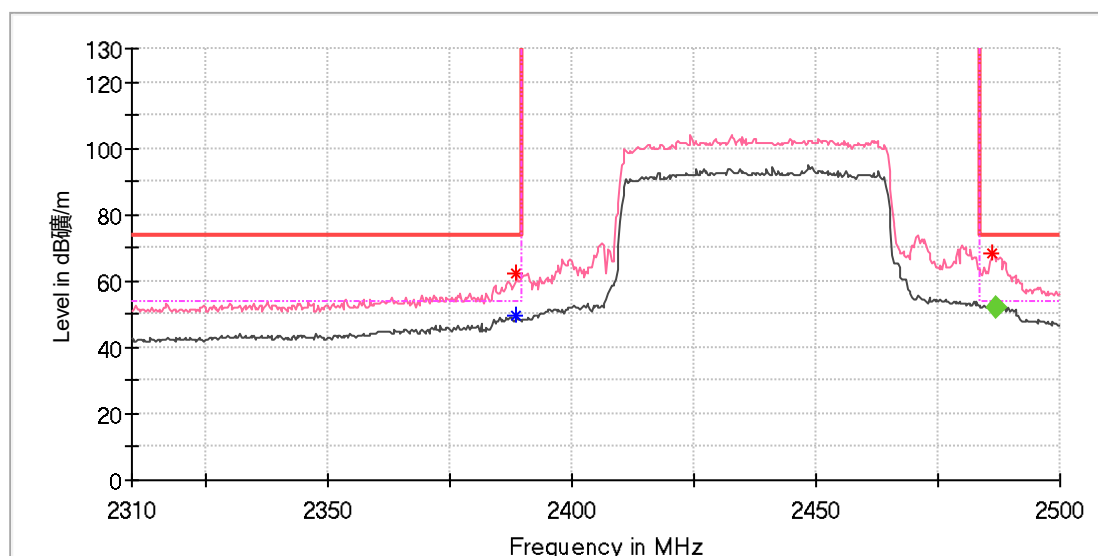
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.941177     | ---              | 43.47            | 54.00          | 10.53       | 150.0       | H   | 331.0         | 8.5          |
| 2389.705882     | 54.04            | ---              | 74.00          | 19.96       | 150.0       | H   | 276.0         | 8.5          |
| 2485.588235     | ---              | 45.93            | 54.00          | 8.07        | 150.0       | H   | 268.0         | 9.0          |
| 2487.352941     | 60.68            | ---              | 74.00          | 13.32       | 150.0       | H   | 305.0         | 9.0          |

## Final Result

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

## EUT Information

EUT Name: Unmanned Aircraft  
Model: FKABZFI  
Test Mode: SDR 2.4G\_60M\_2437.5MHz  
Order No/Sample No: 168571276/A004073677-005  
Test Voltage:: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



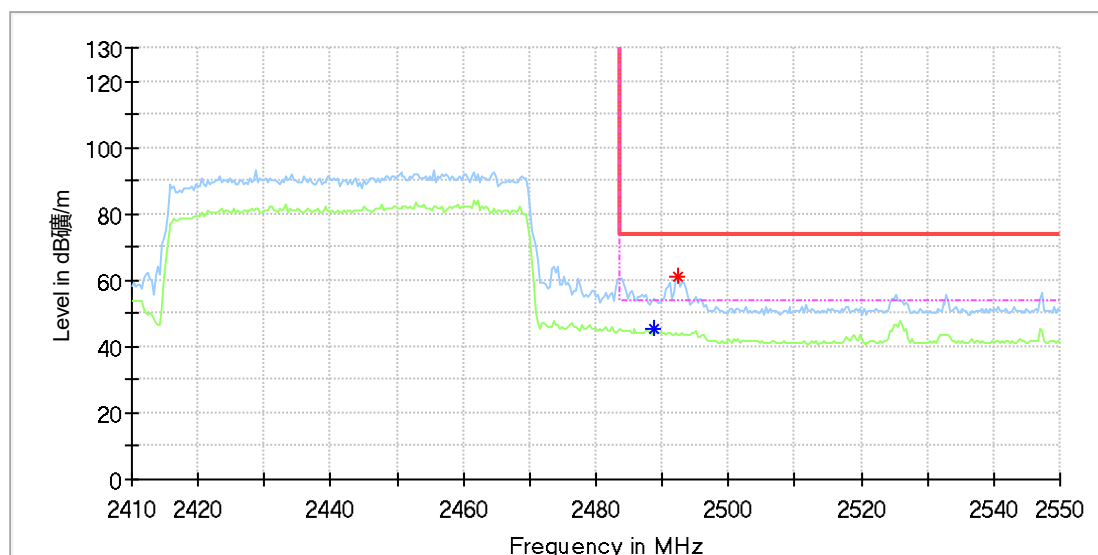
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.823529     | ---              | 49.36            | 54.00          | 4.64        | 150.0       | V   | 105.0         | 8.5          |
| 2388.823529     | 62.38            | ---              | 74.00          | 11.62       | 150.0       | V   | 105.0         | 8.5          |
| 2486.176471     | 68.45            | ---              | 74.00          | 5.55        | 150.0       | V   | 182.0         | 9.0          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2486.764706     | ---              | 51.88            | 54.00          | 2.12        | 150.0       | V   | 189.0         | 9.0          |

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_60M_2442.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

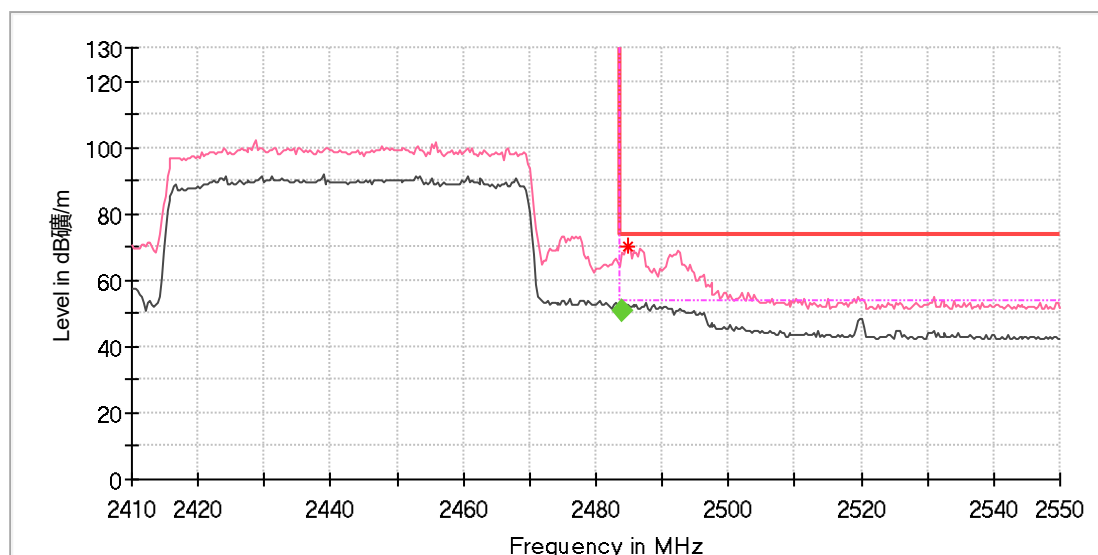
| Frequency<br>(MHz) | MaxPeak<br>(dBµV/m) | Average<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 2488.823529        | ---                 | 45.61               | 54.00             | 8.39           | 150.0          | H   | 308.0            | 9.0             |
| 2492.352941        | 60.87               | ---                 | 74.00             | 13.13          | 150.0          | H   | 308.0            | 9.0             |

## Final Result

| Frequency<br>(MHz) | MaxPeak<br>(dBμV/m) | Average<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.7               | 122.5               | 122.5               | 122.5             | 0              | 100            | V   | 135              | 0               |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 2.4G_60M_2442.5MHz   |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.705882     | 70.11            | ---              | 74.00          | 3.89        | 150.0       | V   | 44.0          | 9.0          |

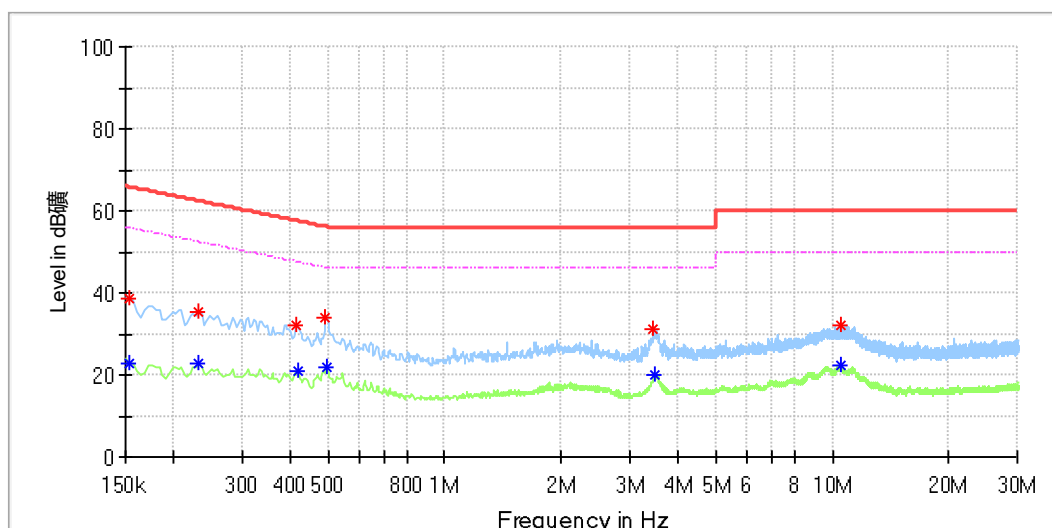
## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.823529     | ---              | 51.00            | 54.00          | 3.00        | 150.0       | V   | 259.0         | 9.0          |

## Appendix B.7: Test Results of AC conducted Emissions

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Order Number:       | 168571276 120(P02083872) |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR Connecting           |
| Test Voltage:       | AC 120V/60Hz             |
| Test Standard:      | FCC PART 15.207          |
| Test By:/Review By: | Simon Feng/Murphy Chen   |
| Tem./Hum./Pressure: | 24.5°C/51.3%/101kPa      |
| Remark:             | SR 2                     |



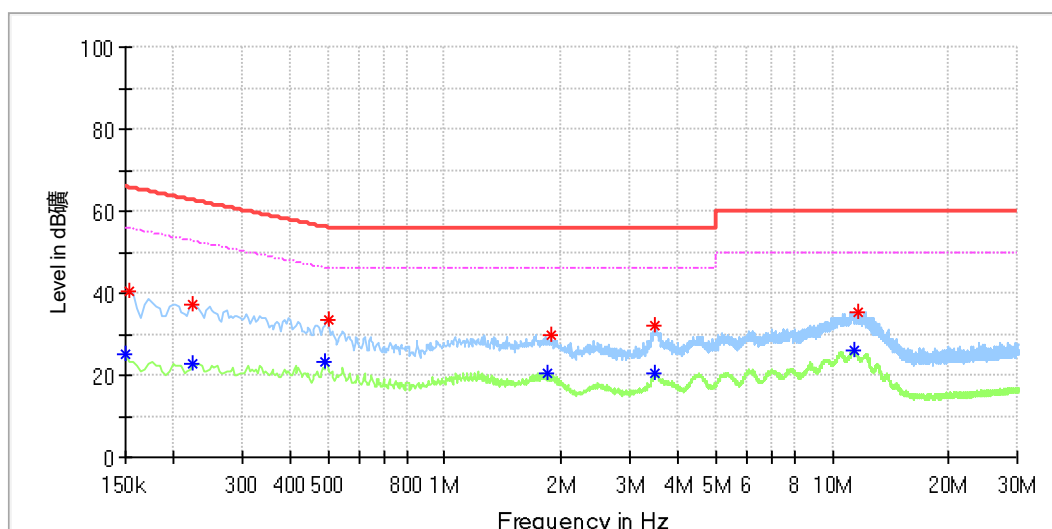
## Critical Freqs

| Frequency<br>(MHz) | MaxPeak<br>(dBμV) | Average<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Line | Corr.<br>(dB) |
|--------------------|-------------------|-------------------|-----------------|----------------|------|---------------|
| 0.154              | ---               | 22.6              | 55.80           | 33.16          | L1   | 9.6           |
| 0.154              | 38.5              | ---               | 65.80           | 27.27          | L1   | 9.6           |
| 0.232              | ---               | 22.7              | 52.38           | 29.64          | L1   | 9.7           |
| 0.232              | 35.2              | ---               | 62.38           | 27.17          | L1   | 9.7           |
| 0.415              | 32.2              | ---               | 57.55           | 25.33          | L1   | 9.5           |
| 0.419              | ---               | 20.7              | 47.48           | 26.77          | L1   | 9.5           |
| 0.493              | 33.7              | ---               | 56.11           | 22.39          | L1   | 9.5           |
| 0.497              | ---               | 21.7              | 46.05           | 24.31          | L1   | 9.5           |
| 3.456              | 31.0              | ---               | 56.00           | 24.95          | L1   | 9.7           |
| 3.486              | ---               | 20.0              | 46.00           | 26.01          | L1   | 9.7           |
| 10.474             | ---               | 22.1              | 50.00           | 27.90          | L1   | 9.9           |
| 10.478             | 31.9              | ---               | 60.00           | 28.08          | L1   | 9.9           |

## Final Result

[illegible]

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Order Number:       | 168571276 120(P02083872) |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR Connecting           |
| Test Voltage:       | AC 120V/60Hz             |
| Test Standard:      | FCC PART 15.207          |
| Test By:/Review By: | Simon Feng/Murphy Chen   |
| Tem./Hum./Pressure: | 24.5°C/51.3%/101kPa      |
| Remark:             | SR 2                     |



| Frequency<br>(MHz) | MaxPeak<br>(dBμV) | Average<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Line | Corr.<br>(dB) |
|--------------------|-------------------|-------------------|-----------------|----------------|------|---------------|
| 0.150              | ---               | 24.9              | 56.00           | 31.10          | N    | 9.7           |
| 0.154              | 40.5              | ---               | 65.80           | 25.32          | N    | 9.8           |
| 0.225              | ---               | 23.0              | 52.65           | 29.66          | N    | 9.9           |
| 0.225              | 37.0              | ---               | 62.65           | 25.64          | N    | 9.9           |
| 0.493              | ---               | 23.3              | 46.11           | 22.85          | N    | 9.9           |
| 0.501              | 33.4              | ---               | 56.00           | 22.61          | N    | 9.9           |
| 1.840              | ---               | 20.6              | 46.00           | 25.38          | N    | 9.9           |
| 1.881              | 29.7              | ---               | 56.00           | 26.26          | N    | 9.9           |
| 3.482              | 32.3              | ---               | 56.00           | 23.70          | N    | 9.7           |
| 3.493              | ---               | 20.4              | 46.00           | 25.55          | N    | 9.7           |
| 11.377             | ---               | 26.2              | 50.00           | 23.83          | N    | 9.7           |
| 11.653             | 35.5              | ---               | 60.00           | 24.49          | N    | 9.7           |

[illegible]