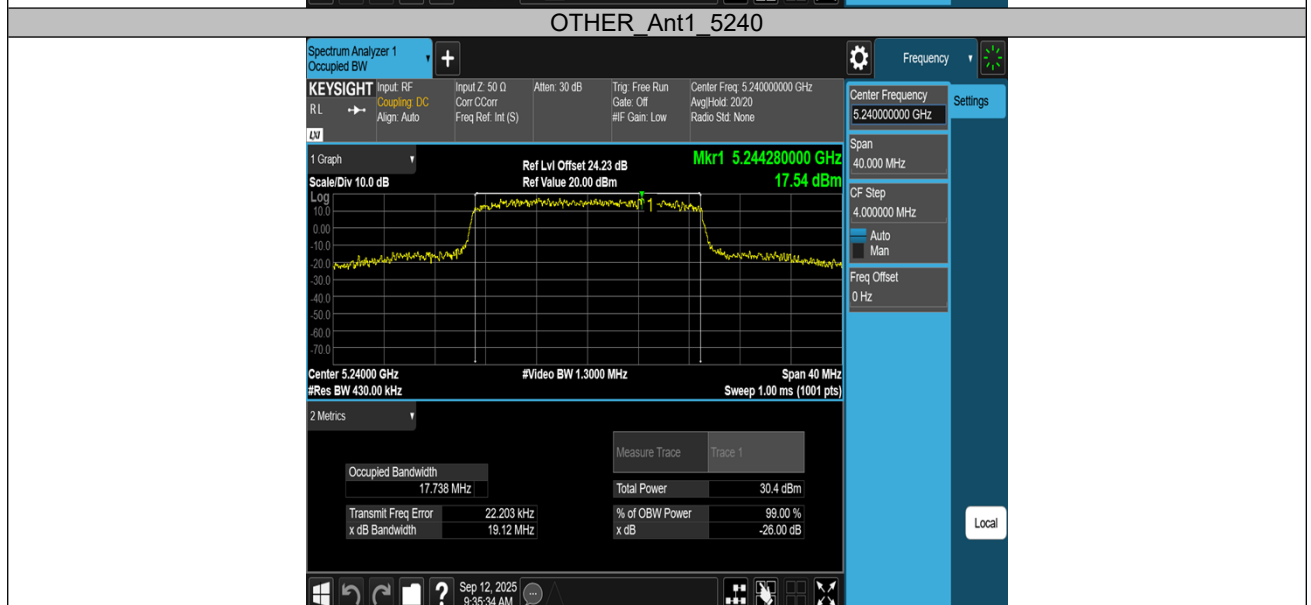
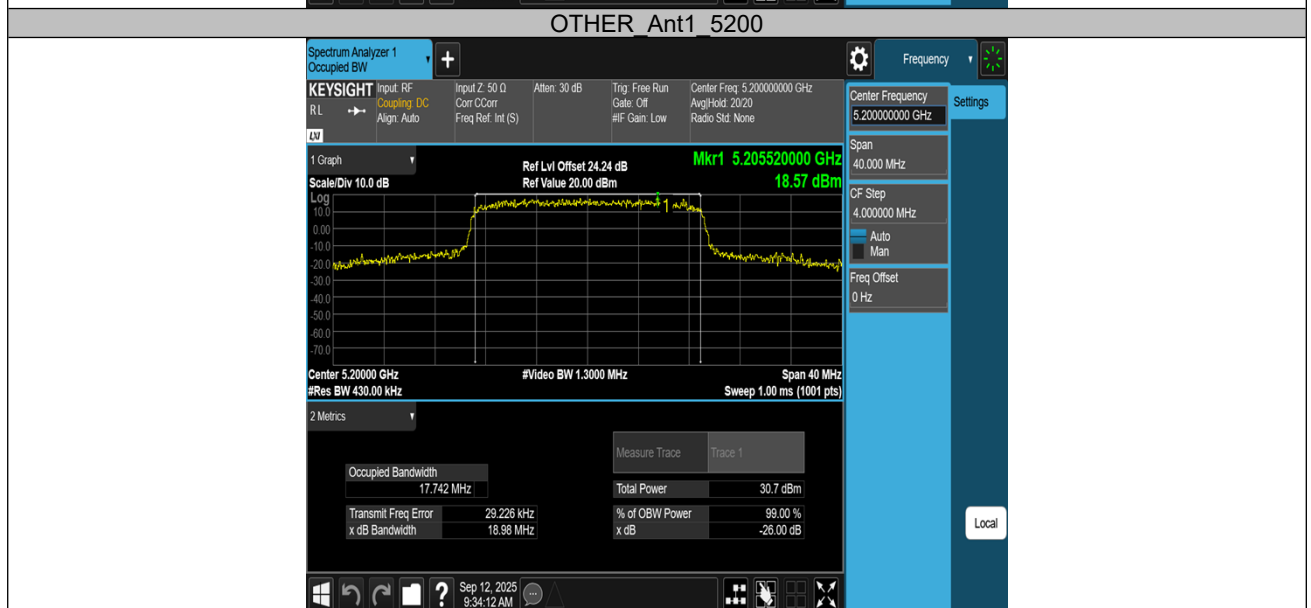
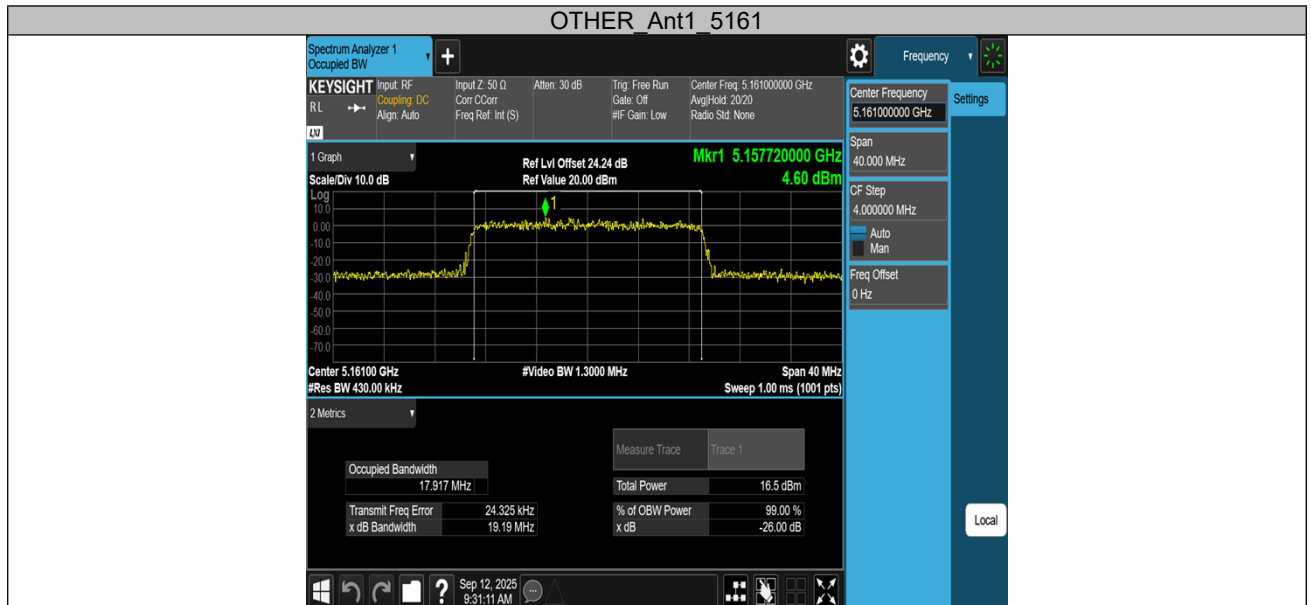
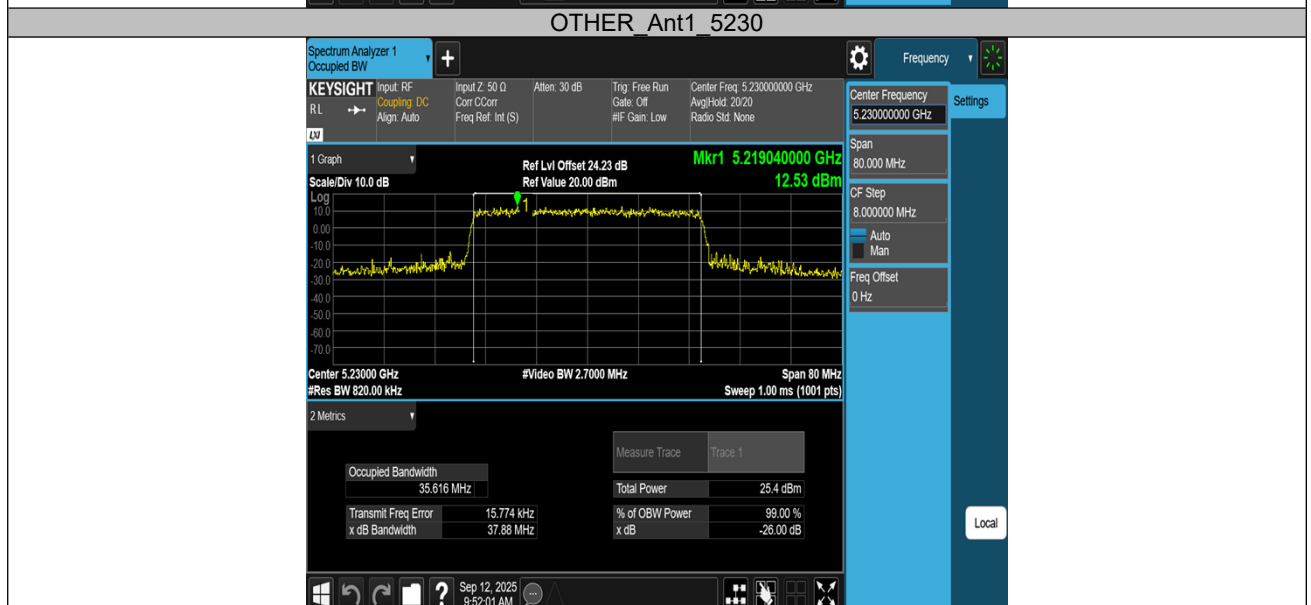
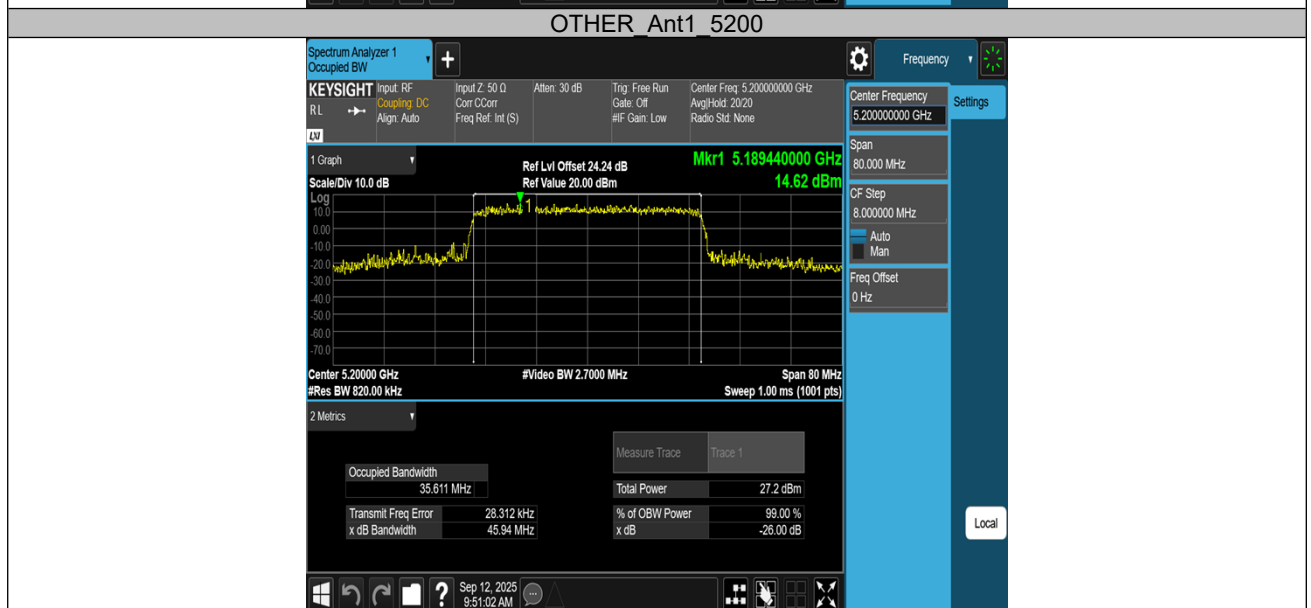
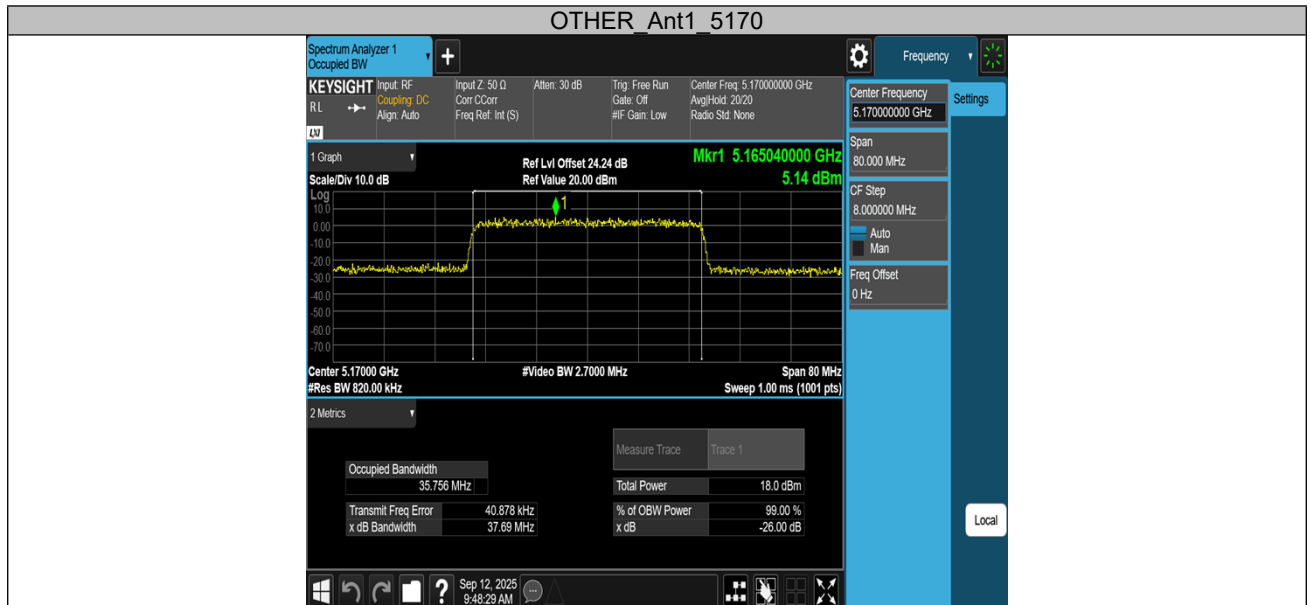




**5.1GHz SDR, 40MHz BW**

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|-----------|-----------|------------|---------|
| OTHER    | Ant1    | 5170    | 35.756    | 5152.1629 | 5187.9189 | ---        | ---     |
|          |         | 5200    | 35.611    | 5182.2228 | 5217.8338 | ---        | ---     |
|          |         | 5230    | 35.616    | 5212.2078 | 5247.8238 | ---        | ---     |



**5.1GHz SDR, 60MHz BW**

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|-----------|-----------|------------|---------|
| OTHER    | Ant1    | 5180    | 53.586    | 5153.0347 | 5206.6207 | ---        | ---     |
|          |         | 5200    | 53.271    | 5173.4457 | 5226.7167 | ---        | ---     |
|          |         | 5220    | 53.538    | 5193.2506 | 5246.7886 | ---        | ---     |



**5.1GHz SDR, 80MHz BW**

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|-----------|-----------|------------|---------|
| OTHER    | Ant1    | 5190    | 70.918    | 5154.5789 | 5225.4969 | ---        | ---     |
|          |         | 5200    | 70.993    | 5164.7908 | 5235.7838 | ---        | ---     |
|          |         | 5210    | 71.428    | 5174.1384 | 5245.5664 | ---        | ---     |



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

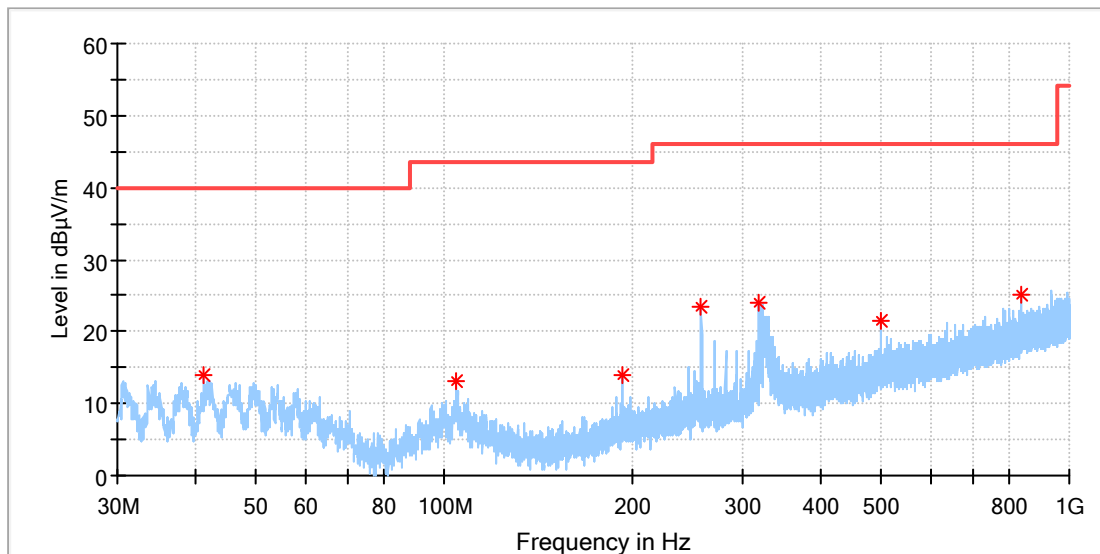
Note:

- 1) This testing was carried out on both antenna port 0 and port 1, but only the worst case was presented in this report.
- 2) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 3) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz – 40GHz were the floor-noise and far below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

### 30MHz - 1GHz (Worst case)

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 5.1G_10M_5200MHz     |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

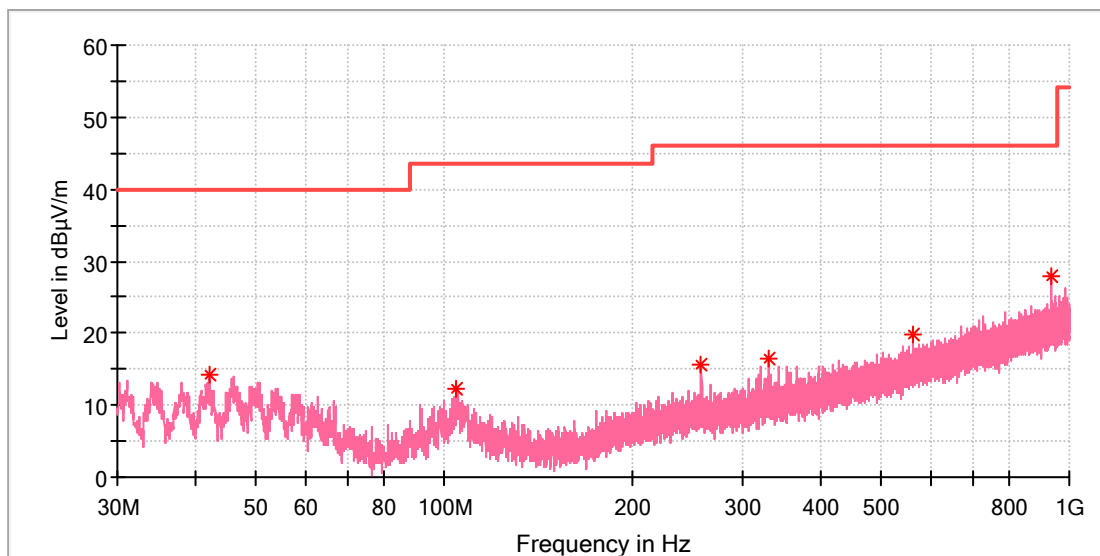
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 41.304231       | 14.05            | 40.00          | 25.95       | 100.0       | H   | 348.0         | -19.8        |
| 104.727308      | 13.17            | 43.50          | 30.33       | 100.0       | H   | 0.0           | -18.9        |
| 192.698846      | 14.03            | 43.50          | 29.47       | 100.0       | H   | 271.0         | -19.5        |
| 257.987308      | 23.58            | 46.00          | 22.42       | 100.0       | H   | 173.0         | -17.2        |
| 318.015385      | 24.06            | 46.00          | 21.94       | 100.0       | H   | 111.0         | -15.8        |
| 500.002308      | 21.57            | 46.00          | 24.43       | 100.0       | H   | 180.0         | -11.9        |
| 836.816154      | 25.14            | 46.00          | 20.86       | 100.0       | H   | 271.0         | -5.5         |

## 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 5.1G_10M_5200MHz     |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 42.050385       | 14.10            | 40.00          | 25.90       | 100.0       | V   | 216.0         | -19.7        |
| 104.764615      | 12.40            | 43.50          | 31.10       | 100.0       | V   | 77.0          | -18.9        |
| 257.987308      | 15.76            | 46.00          | 30.25       | 100.0       | V   | 267.0         | -17.2        |
| 329.991154      | 16.51            | 46.00          | 29.49       | 100.0       | V   | 69.0          | -15.3        |
| 561.149615      | 19.69            | 46.00          | 26.31       | 100.0       | V   | 32.0          | -10.5        |
| 936.950000      | 27.97            | 46.00          | 18.03       | 100.0       | V   | 133.0         | -4.4         |

## Final\_Result

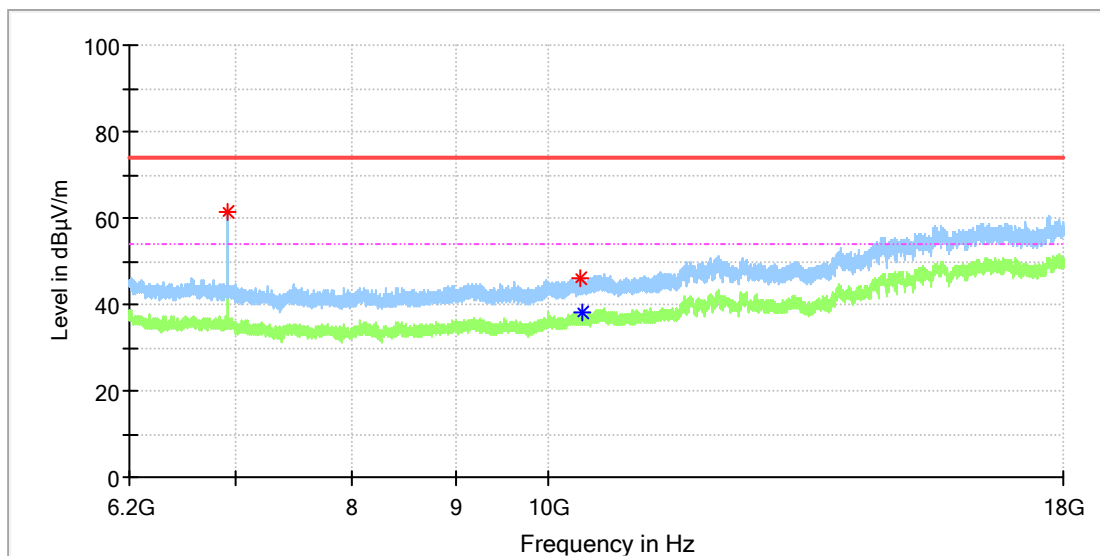
| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---          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

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 100.000000      | 100.000000       | 100.000000       | 100.000000     | 100.000000  | 100.000000  |     | 100.000000    | 100.000000   |

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 100.0              | 100.0               | 100.0               | 100.0             | 100.0          | 100.0          |     | 100.0            | 100.0           |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 5.1G_10M_5200MHz     |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.407               |
| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 6933.075000        | 61.21               | ---                 | 68.20             | 6.99           | 150.0          | H   | 259.0            | 8.6             |
| 10383.100000       | 46.03               | ---                 | 74.00             | 27.98          | 150.0          | H   | 62.0             | 11.9            |
| 10405.225000       | ---                 | 38.35               | 54.00             | 15.65          | 150.0          | H   | 215.0            | 11.9            |

## 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.750000          | 122.00              | 122.00              | 122.00            | 0.00           | 100.00         |     | 000.00           | 0.00            |

| 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            | 100.0          | 0   | 0                | 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| ----               | ----                | ----                | ----              | ----           | ----           |     | ----             | -----           |

| 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               | 118.5               | 120.0             | 1.5            | 100            | V   | 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 100.00             | 100.00              | 100.00              | 100.00            | 100.00         | 100.00         |     | 100.00           | 100.00          |

| 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          |

| 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          |

| 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          |

| 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 5.1G_20M_5240MHz     |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

## 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               | 118.0               | 118.0               | 118.0             | 0.0            | 100.0          | 0   | 0                | 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| ---                | ---                 | ---                 | ---               | ---            | ---            |     | ---              | ---             |

| 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          |

| 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          |

[illegible]

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.75              | 122.00              | 122.00              | 122.00            | 0.00           | 100.00         |     | 00.00            | 00.00           |

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.75              | 122.00              | 118.00              | 120.00            | 2.00           | 30.00          |     | 0.00             | 0.00            |

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 100.000000         | 100.000000          | 100.000000          | 100.000000        | 100.000000     | 100.000000     |     | 100.000000       | 100.000000      |

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| ---                | ---                 | ---                 | ---               | ---            | ---            |     | ---              | ---             |

| 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            | 100.0          | V   | 135.0            | 0.0             |

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 100.00             | 100.00              | 100.00              | 100.00            | 100.00         | 100.00         |     | 100.00           | 100.00          |

| 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               | 59.5                | 59.5                | 59.5              | 0.0            | 100            | 0   | 0                | 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| ----               | -----               | -----               | -----             | -----          | -----          |     | -----            | -----           |

| 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           |                 |

| 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             |

| 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          |

| 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 Name:           | Unmanned Aircraft        |
| Model:              | FKABZFI                  |
| Test Mode:          | SDR 5.1G_80M_5210MHz     |
| Order No/Sample No: | 168571276/A004073677-005 |
| Test Voltage::      | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.407               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

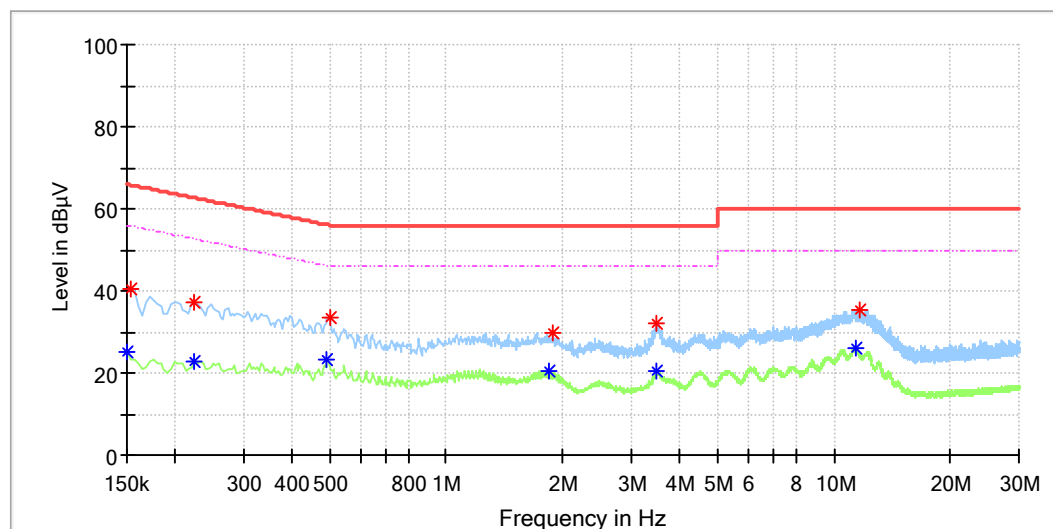
[illegible]

| 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) |
|--------------------|---------------------|---------------------|-------------------|----------------|----------------|-----|------------------|-----------------|
| 93.75              | 122.0               | 118.0               | 120.0             | 2.0            | 30.0           | V   | 0.0              | 0.0             |

[illegible]

## 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) |
|--------------------|-------------------|-------------------|-----------------|----------------|------|---------------|
| 0.150              | ---               | 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           |

## Final Result

[illegible]