

# Test Report No.50135911 001

## Appendix D: Radiated and Mains Spurious Emission Data

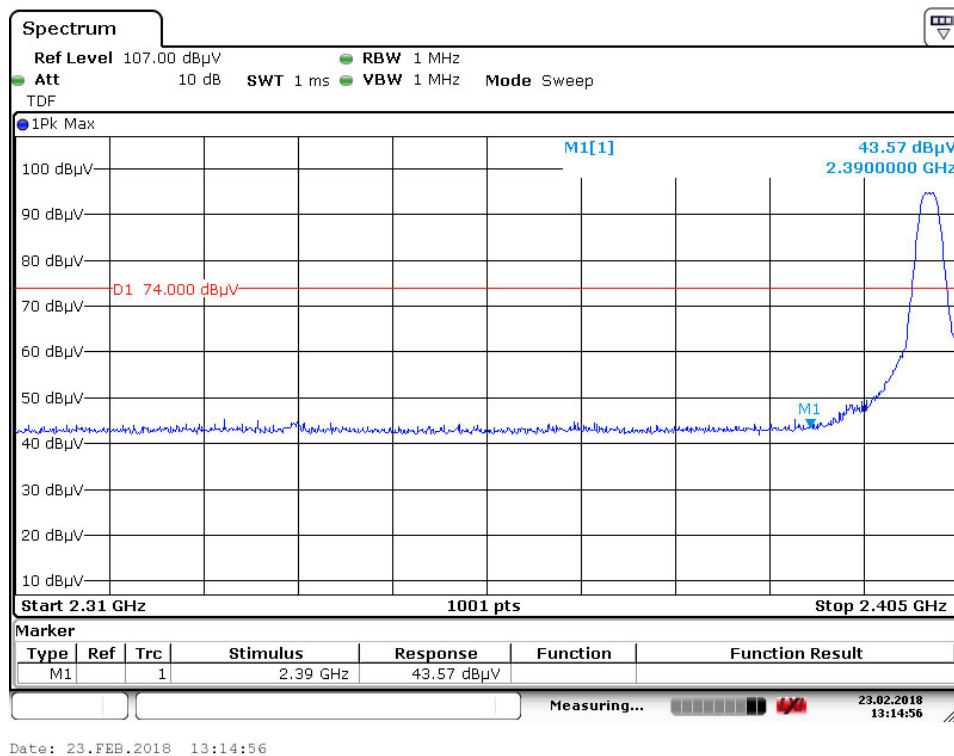
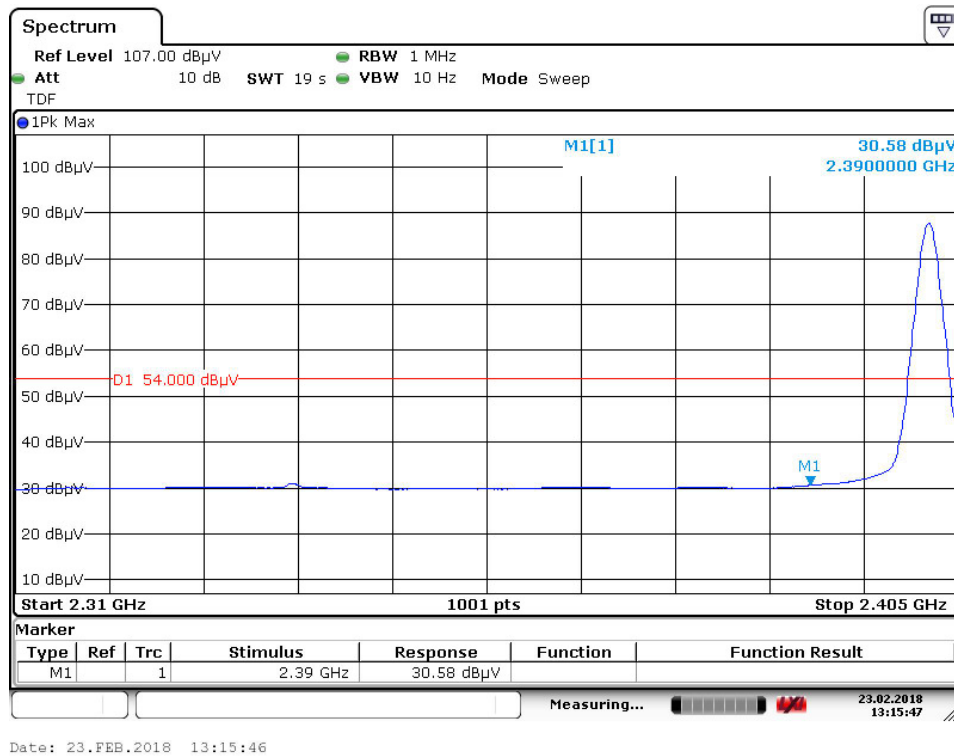
(File: 50135911AppendixD)

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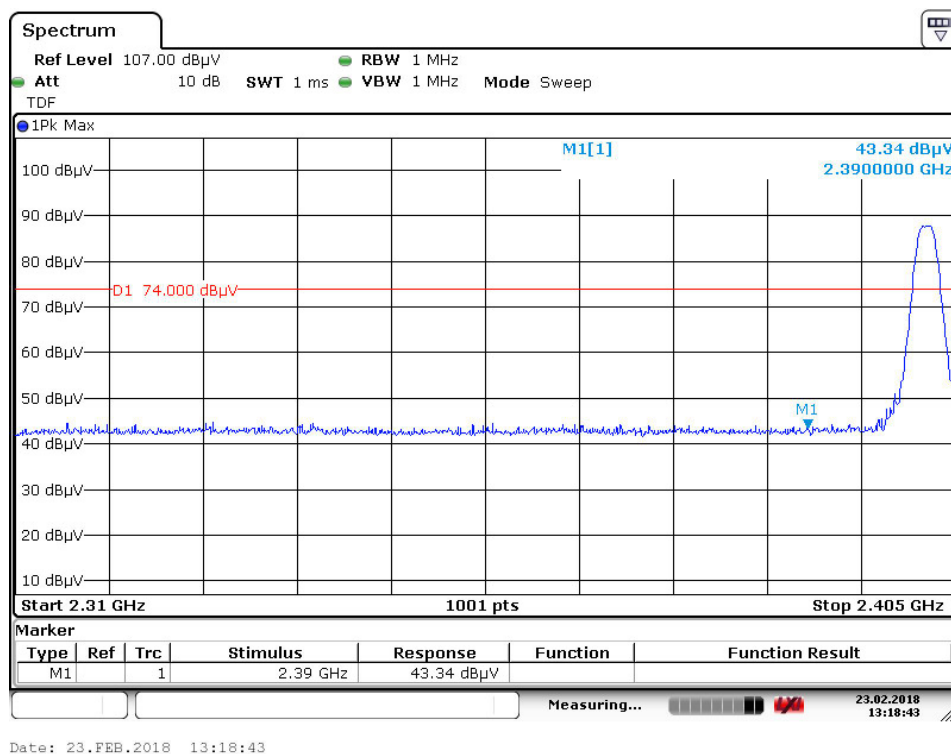
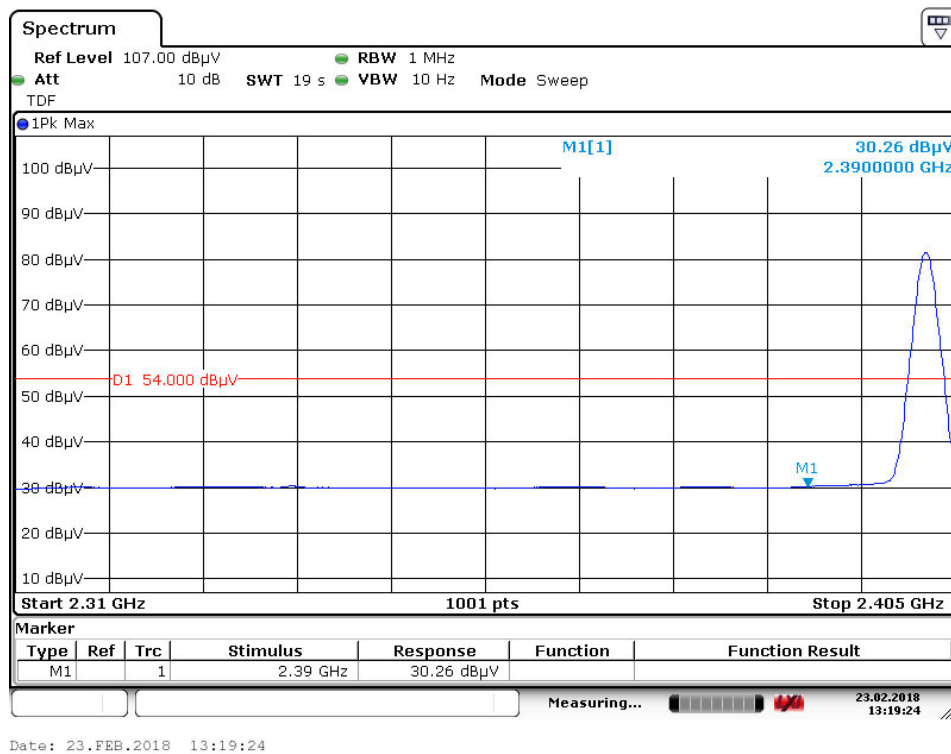
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# Radiated Bandedge (GFSK), BLE

## Low Channel (Hor)



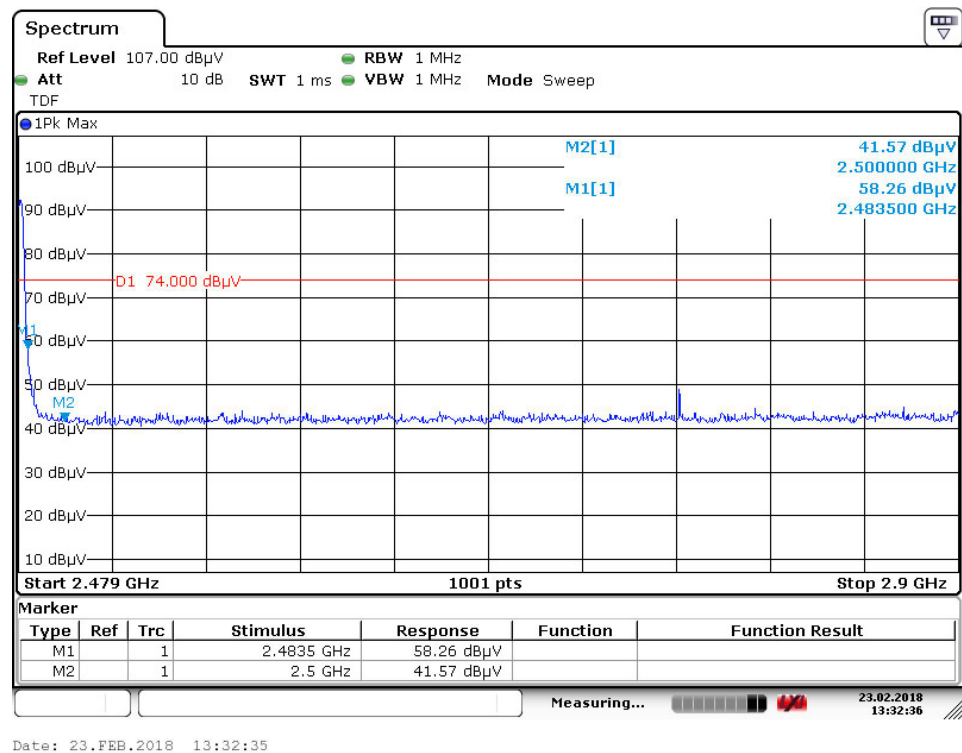
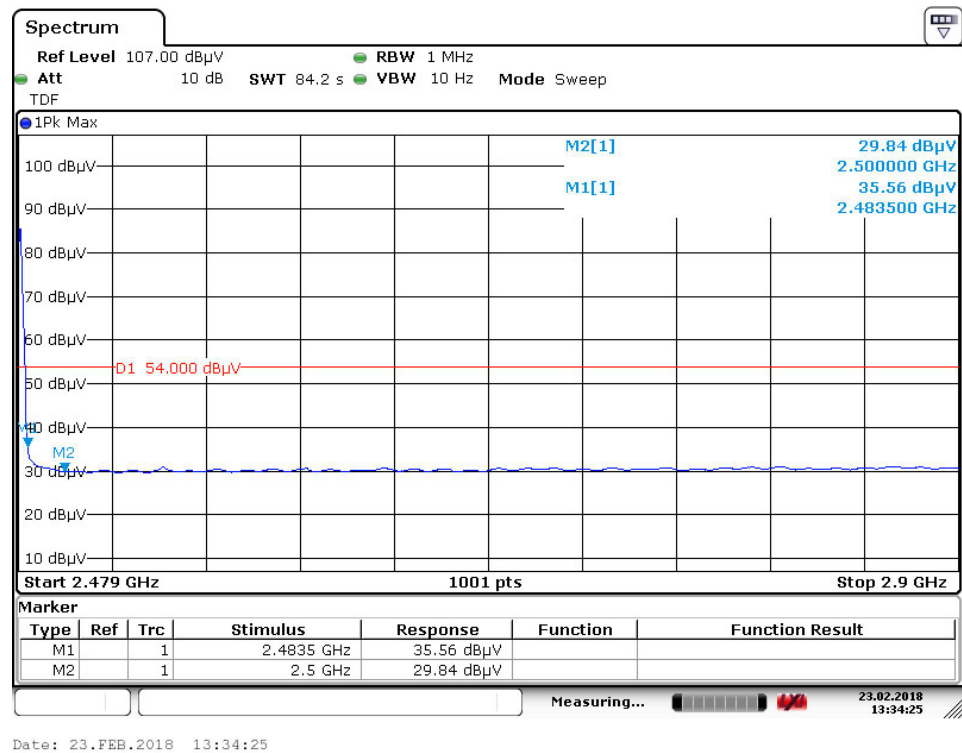
## Low Channel (Ver)



## Spurious Emissions, Band Edge, 2.35-2.5G

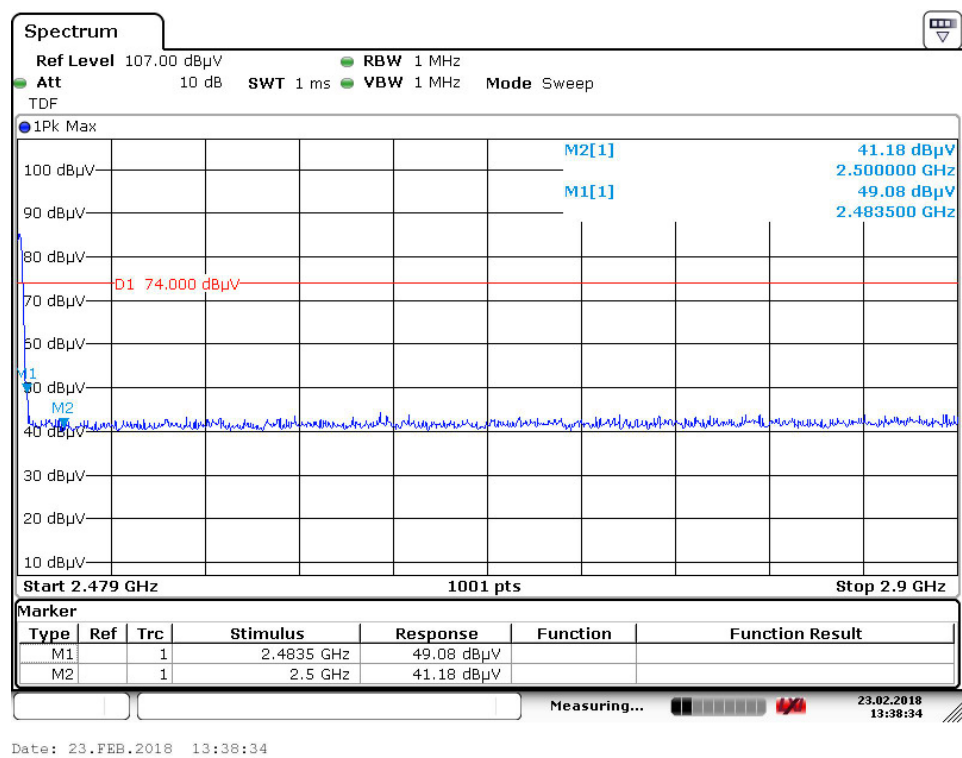
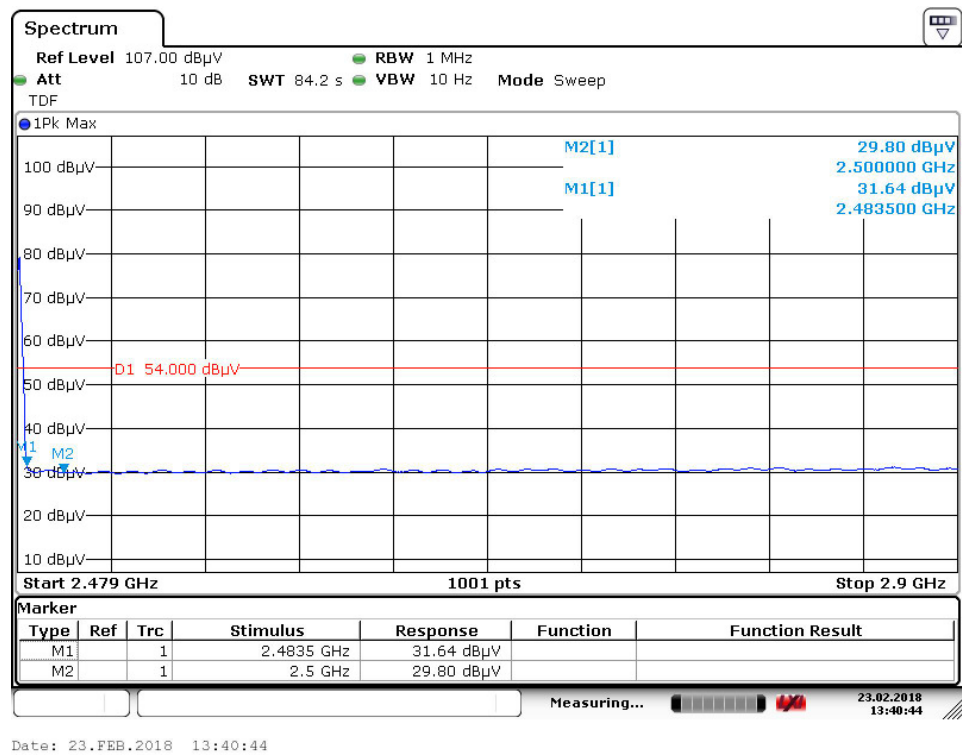
# Radiated Bandedge (GFSK)

## High Channel (Hor)



## Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



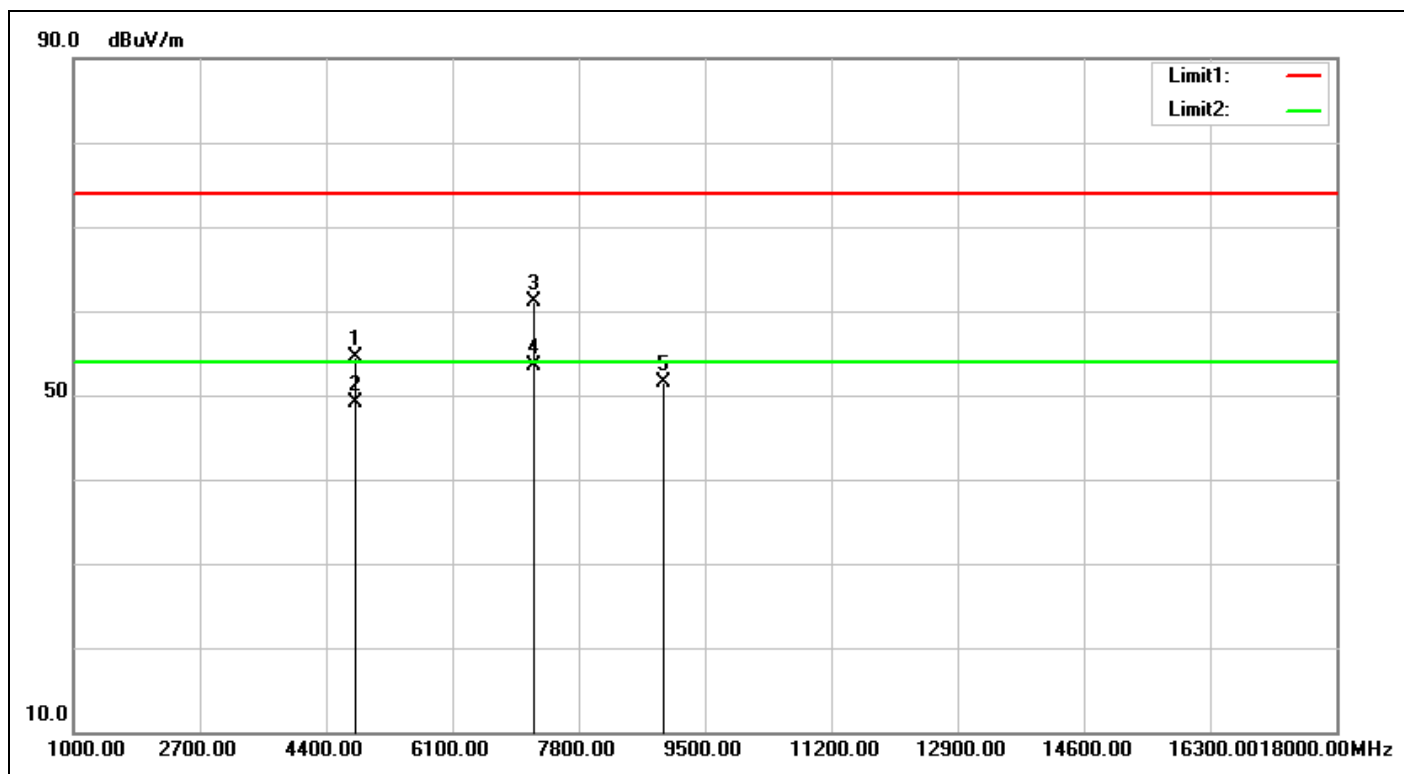
## Spurious Emissions, TX Mode, 1-18G



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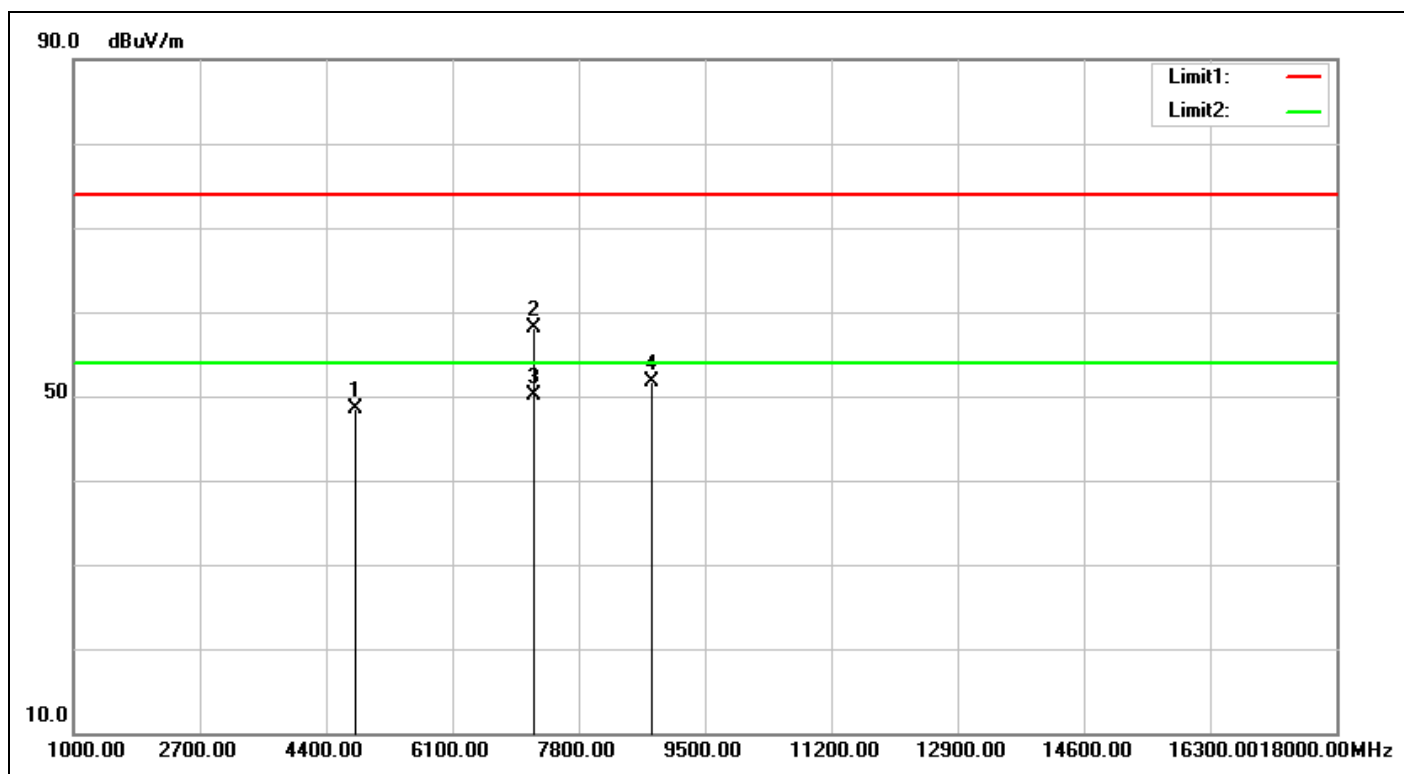
Tel:+886-2172-7000 fax:+886-2528-0018



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Horizontal</b>         |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:24:51</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2402-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

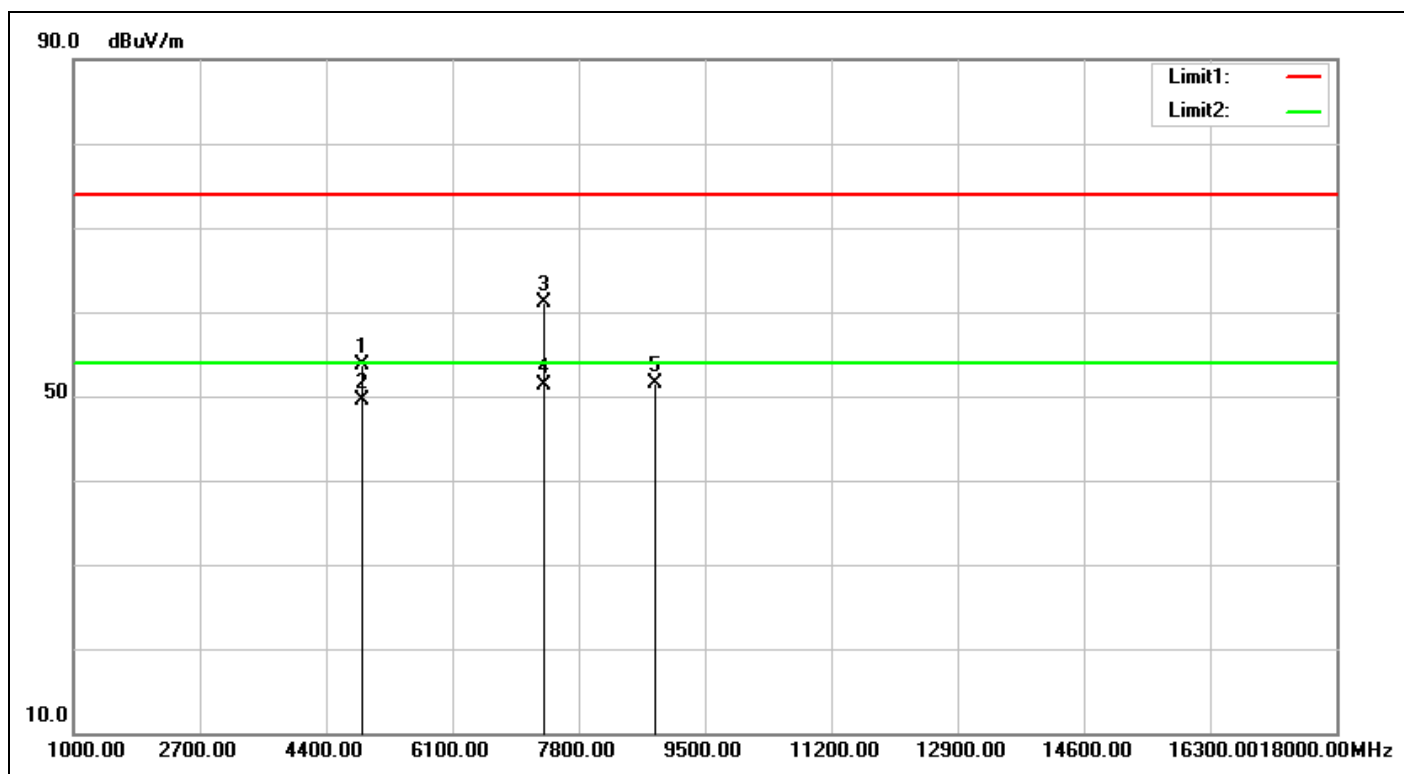
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4804.000        | -2.72         | 57.14          | 54.42          | 74.00          | -19.58      | peak | 100         | 148         |        |
| 2   | 4804.000        | -2.72         | 51.92          | 49.20          | 54.00          | -4.80       | AVG  | 100         | 148         |        |
| 3   | 7206.000        | 5.25          | 55.93          | 61.18          | 74.00          | -12.82      | peak | 100         | 217         |        |
| 4   | 7206.000        | 5.25          | 48.33          | 53.58          | 54.00          | -0.42       | AVG  | 100         | 217         |        |
| 5   | 8939.000        | 6.43          | 45.05          | 51.48          | 74.00          | -22.52      | peak | 100         | 114         |        |

## Spurious Emissions, TX Mode, 1-18G



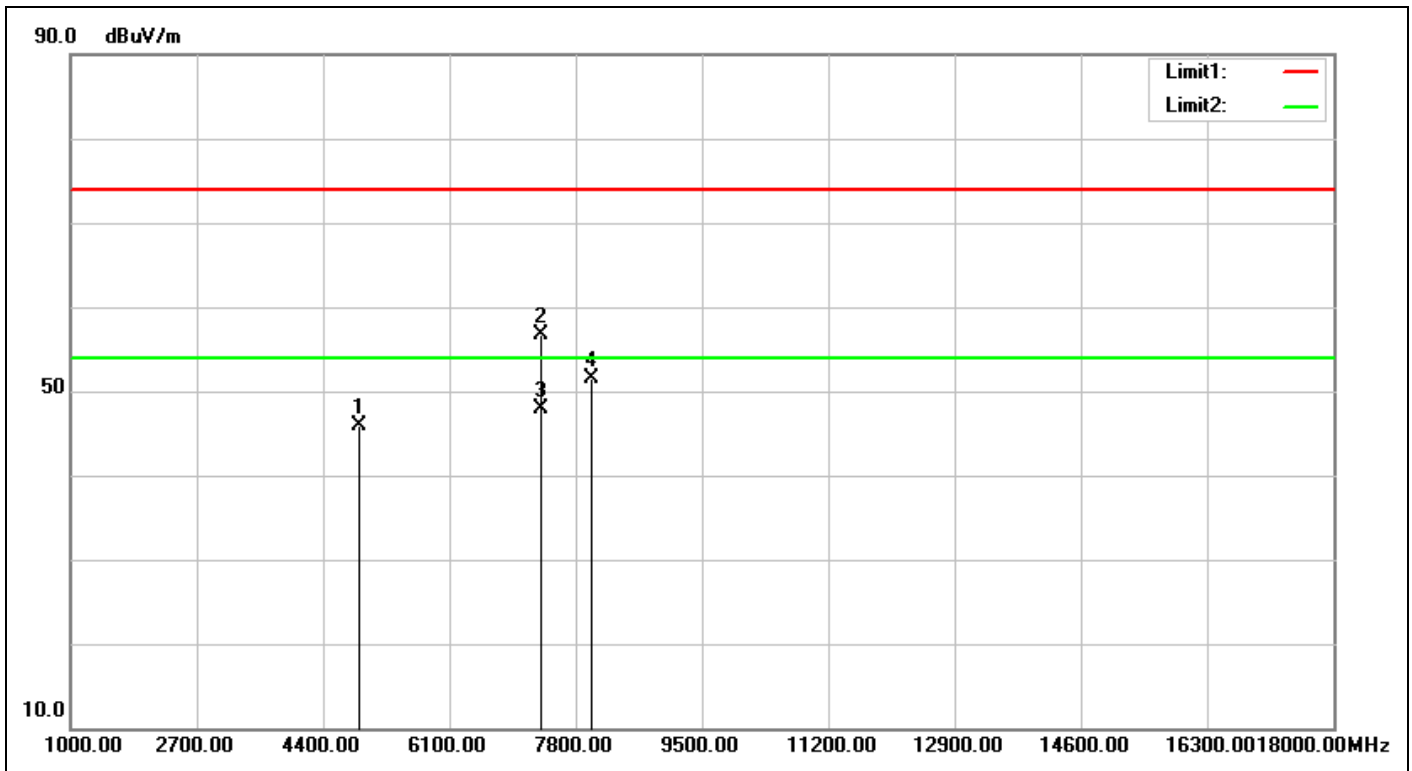
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:25:54</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2402-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4804.000        | -2.72         | 51.32          | 48.60          | 74.00          | -25.40      | peak | 100         | 108         |        |
| 2   | 7206.000        | 5.25          | 52.94          | 58.19          | 74.00          | -15.81      | peak | 100         | 85          |        |
| 3   | 7206.000        | 5.25          | 44.95          | 50.20          | 54.00          | -3.80       | AVG  | 100         | 85          |        |
| 4   | 8786.000        | 6.42          | 45.34          | 51.76          | 74.00          | -22.24      | peak | 100         | 16          |        |



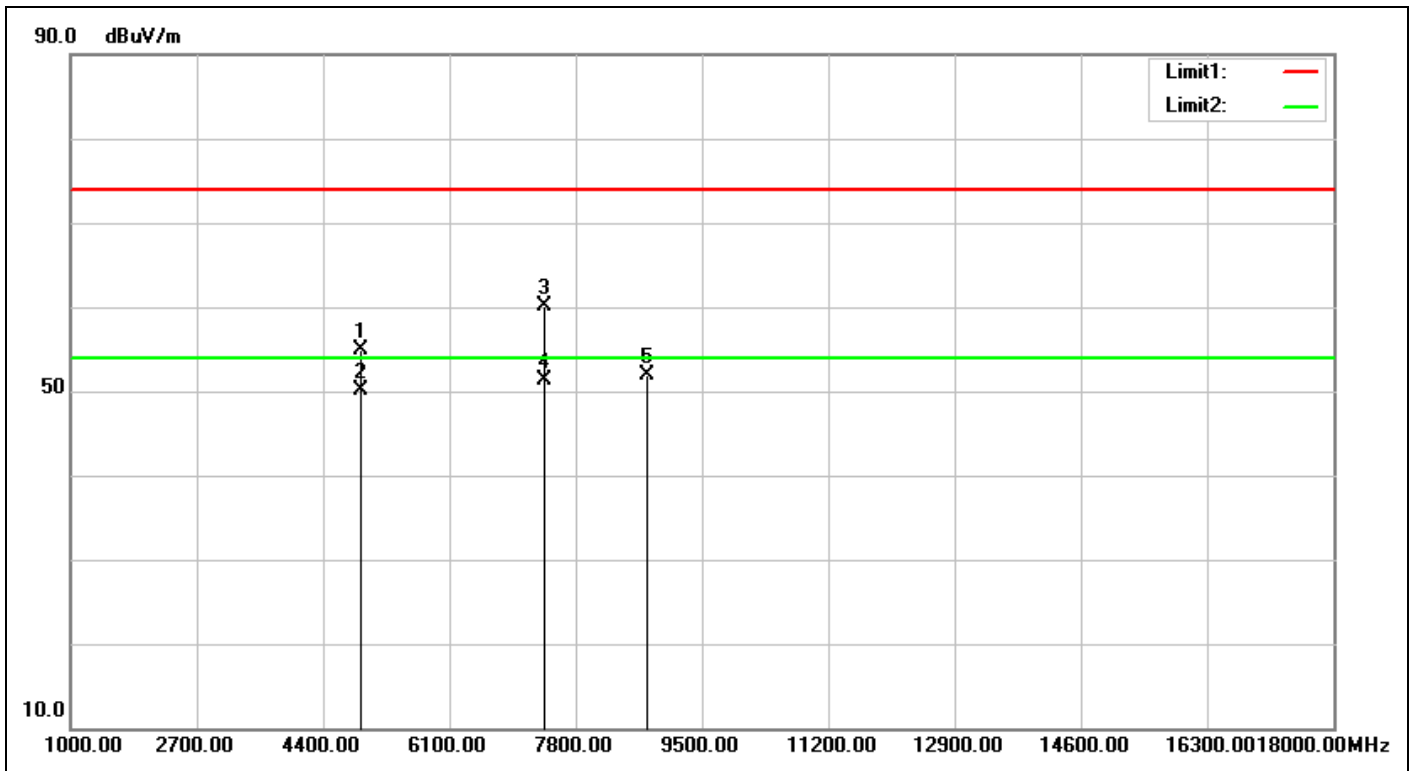
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|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Horizontal</b>         |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:35:07</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2440-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4880.000        | -2.50         | 56.23          | 53.73          | 74.00          | -20.27      | peak | 100         | 153         |        |
| 2   | 4880.000        | -2.50         | 51.96          | 49.46          | 54.00          | -4.54       | AVG  | 100         | 153         |        |
| 3   | 7320.000        | 5.54          | 55.62          | 61.16          | 74.00          | -12.84      | peak | 100         | 214         |        |
| 4   | 7320.000        | 5.54          | 45.86          | 51.40          | 54.00          | -2.60       | AVG  | 100         | 214         |        |
| 5   | 8820.000        | 6.41          | 45.11          | 51.52          | 74.00          | -22.48      | peak | 100         | 39          |        |



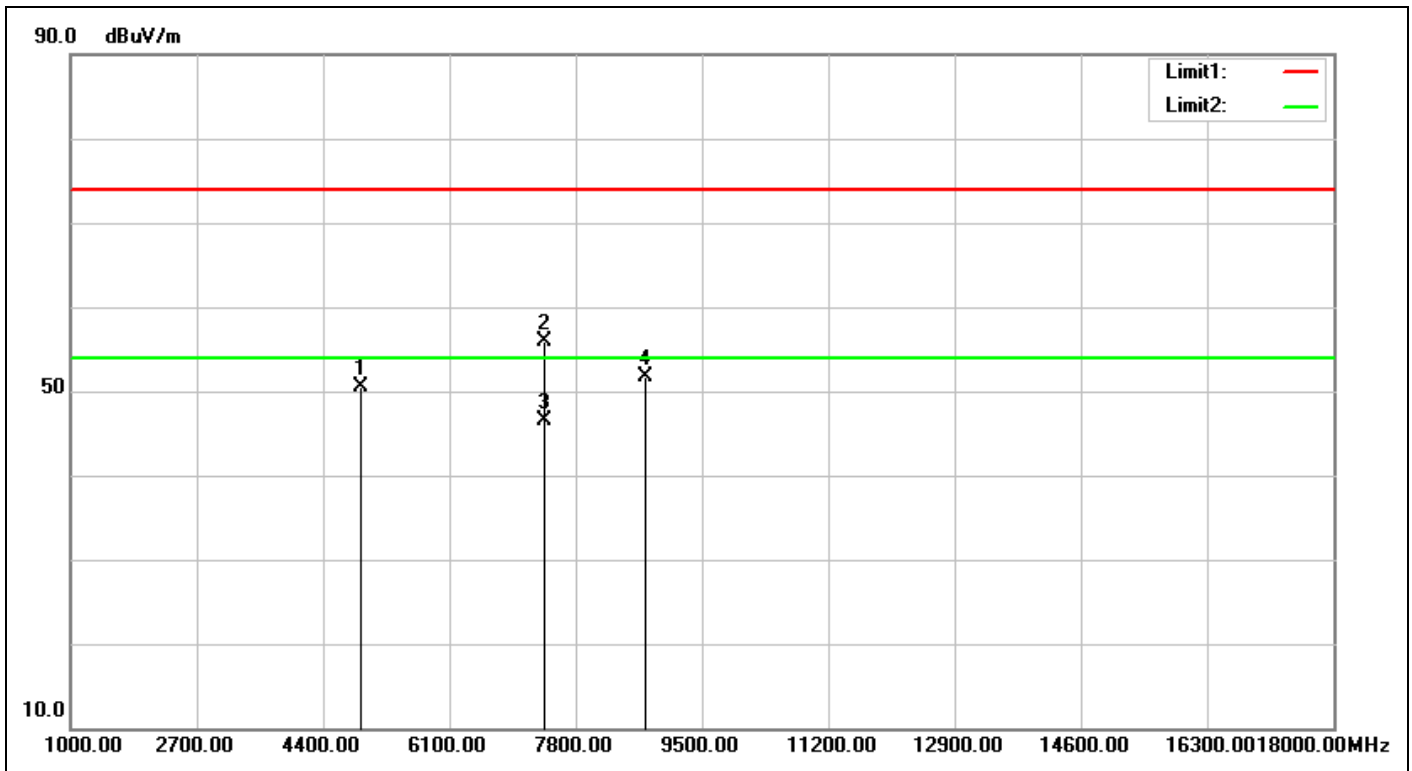
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:36:09</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2440-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4880.000        | -2.50         | 48.49          | 45.99          | 74.00          | -28.01      | peak |             |             |        |
| 2   | 7320.000        | 5.54          | 51.20          | 56.74          | 74.00          | -17.26      | peak | 100         | 85          |        |
| 3   | 7320.000        | 5.54          | 42.30          | 47.84          | 54.00          | -6.16       | AVG  | 100         | 85          |        |
| 4   | 8021.000        | 5.85          | 45.70          | 51.55          | 74.00          | -22.45      | peak | 100         | 312         |        |



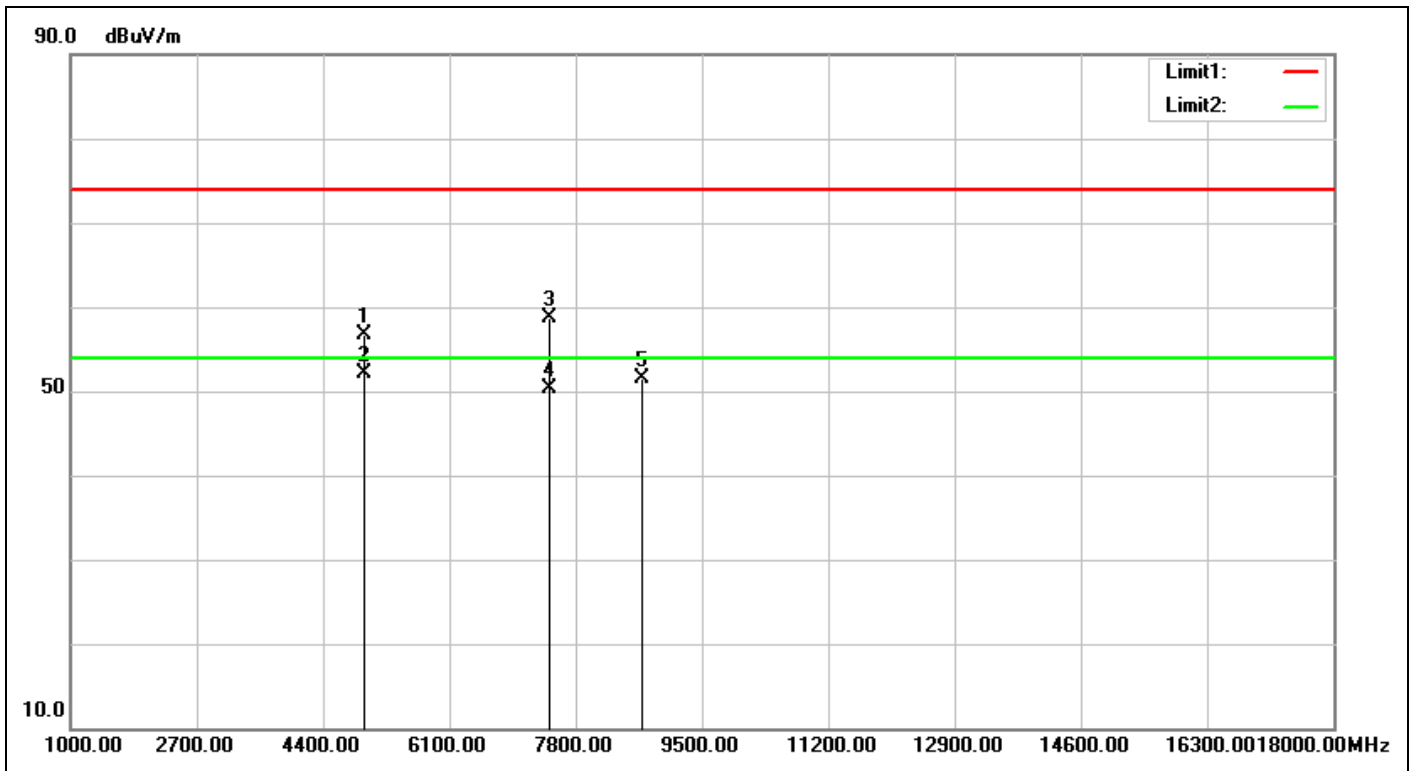
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Horizontal</b>         |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:44:09</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2457-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4914.000        | -2.40         | 57.35          | 54.95          | 74.00          | -19.05      | peak | 100         | 317         |        |
| 2   | 4914.000        | -2.40         | 52.57          | 50.17          | 54.00          | -3.83       | AVG  | 100         | 317         |        |
| 3   | 7371.000        | 5.67          | 54.38          | 60.05          | 74.00          | -13.95      | peak | 100         | 252         |        |
| 4   | 7371.000        | 5.67          | 45.63          | 51.30          | 54.00          | -2.70       | AVG  | 100         | 252         |        |
| 5   | 8752.000        | 6.41          | 45.40          | 51.81          | 74.00          | -22.19      | peak | 100         | 92          |        |



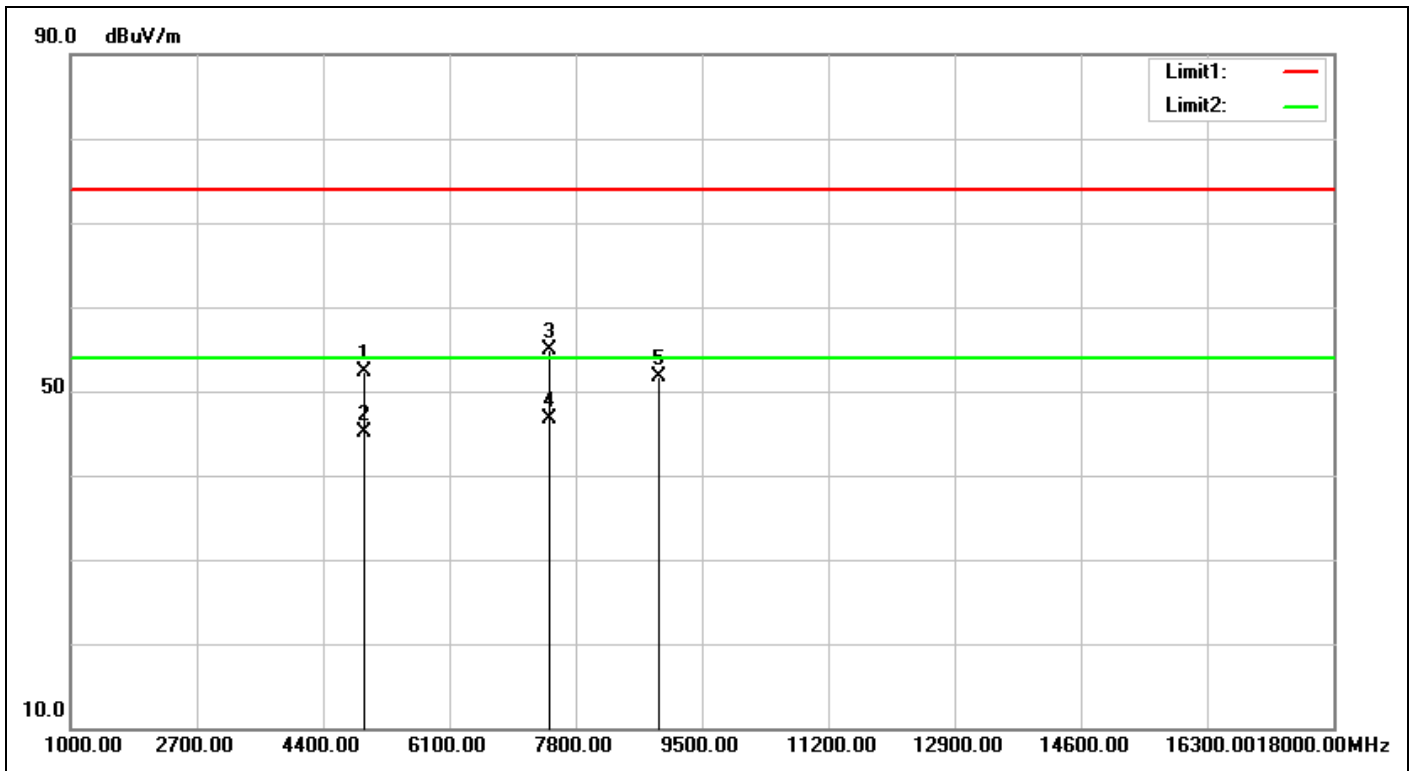
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:45:11</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2457-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4914.000        | -2.40         | 52.91          | 50.51          | 74.00          | -23.49      | peak | 100         | 107         |        |
| 2   | 7371.000        | 5.67          | 50.32          | 55.99          | 74.00          | -18.01      | peak | 100         | 85          |        |
| 3   | 7371.000        | 5.67          | 40.83          | 46.50          | 54.00          | -7.50       | AVG  | 100         | 85          |        |
| 4   | 8735.000        | 6.40          | 45.21          | 51.61          | 74.00          | -22.39      | peak | 100         | 360         |        |



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Horizontal</b>         |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:09:56</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2480-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4960.000        | -2.28         | 59.04          | 56.76          | 74.00          | -17.24      | peak | 100         | 139         |        |
| 2   | 4960.000        | -2.28         | 54.42          | 52.14          | 54.00          | -1.86       | AVG  | 100         | 139         |        |
| 3   | 7440.000        | 5.84          | 52.86          | 58.70          | 74.00          | -15.30      | peak | 100         | 250         |        |
| 4   | 7440.000        | 5.84          | 44.53          | 50.37          | 54.00          | -3.63       | AVG  | 100         | 250         |        |
| 5   | 8701.000        | 6.41          | 45.19          | 51.60          | 74.00          | -22.40      | peak | 100         | 342         |        |



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 11:10:59</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>19.1(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2480-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 4960.000        | -2.28         | 54.55          | 52.27          | 74.00          | -21.73      | peak | 100         | 24          |        |
| 2   | 4960.000        | -2.28         | 47.47          | 45.19          | 54.00          | -8.81       | AVG  | 100         | 24          |        |
| 3   | 7440.000        | 5.84          | 49.10          | 54.94          | 74.00          | -19.06      | peak | 100         | 82          |        |
| 4   | 7440.000        | 5.84          | 40.82          | 46.66          | 54.00          | -7.34       | AVG  | 100         | 82          |        |
| 5   | 8922.000        | 6.42          | 45.36          | 51.78          | 74.00          | -22.22      | peak | 100         | 138         |        |

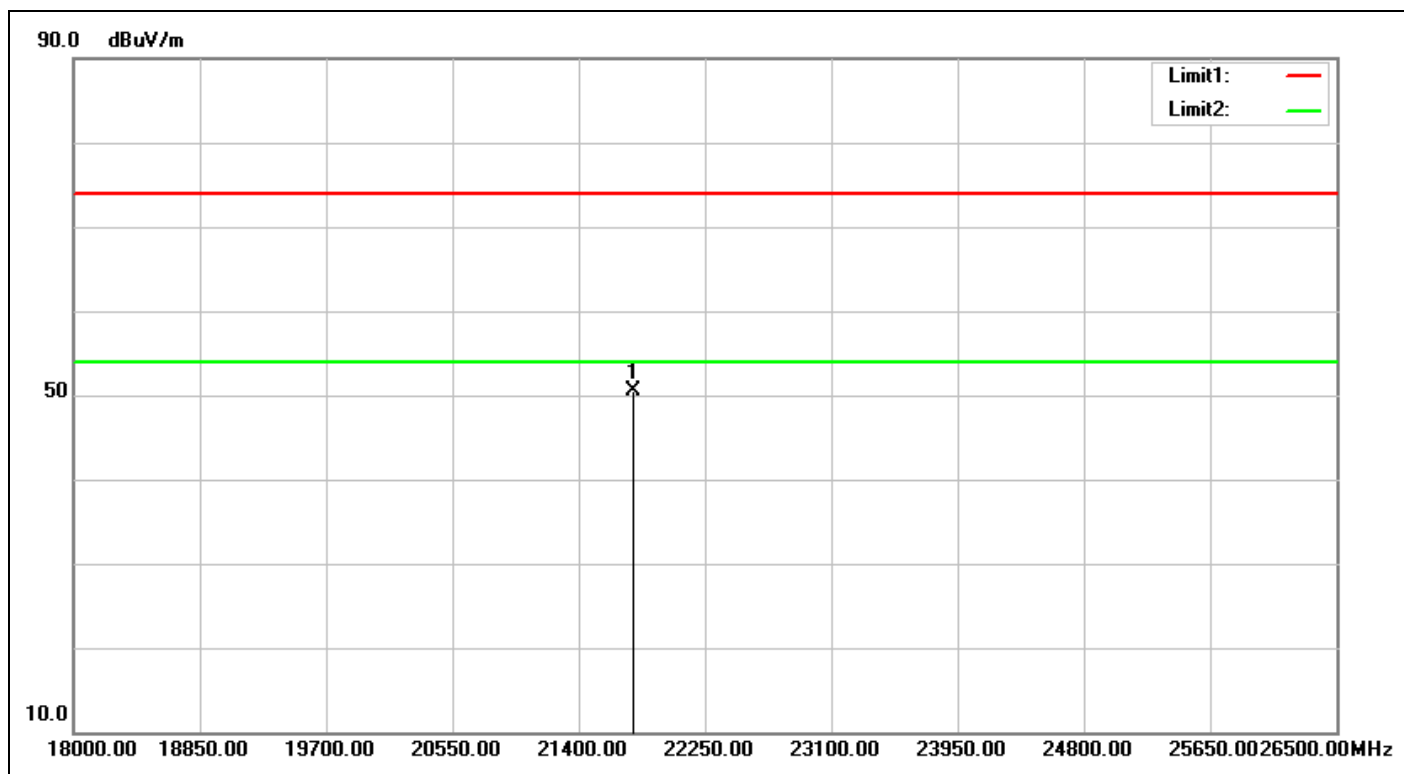
# Spurious Emissions, TX Mode, 18-26G



**TUV Rheinland Taiwan Ltd.**

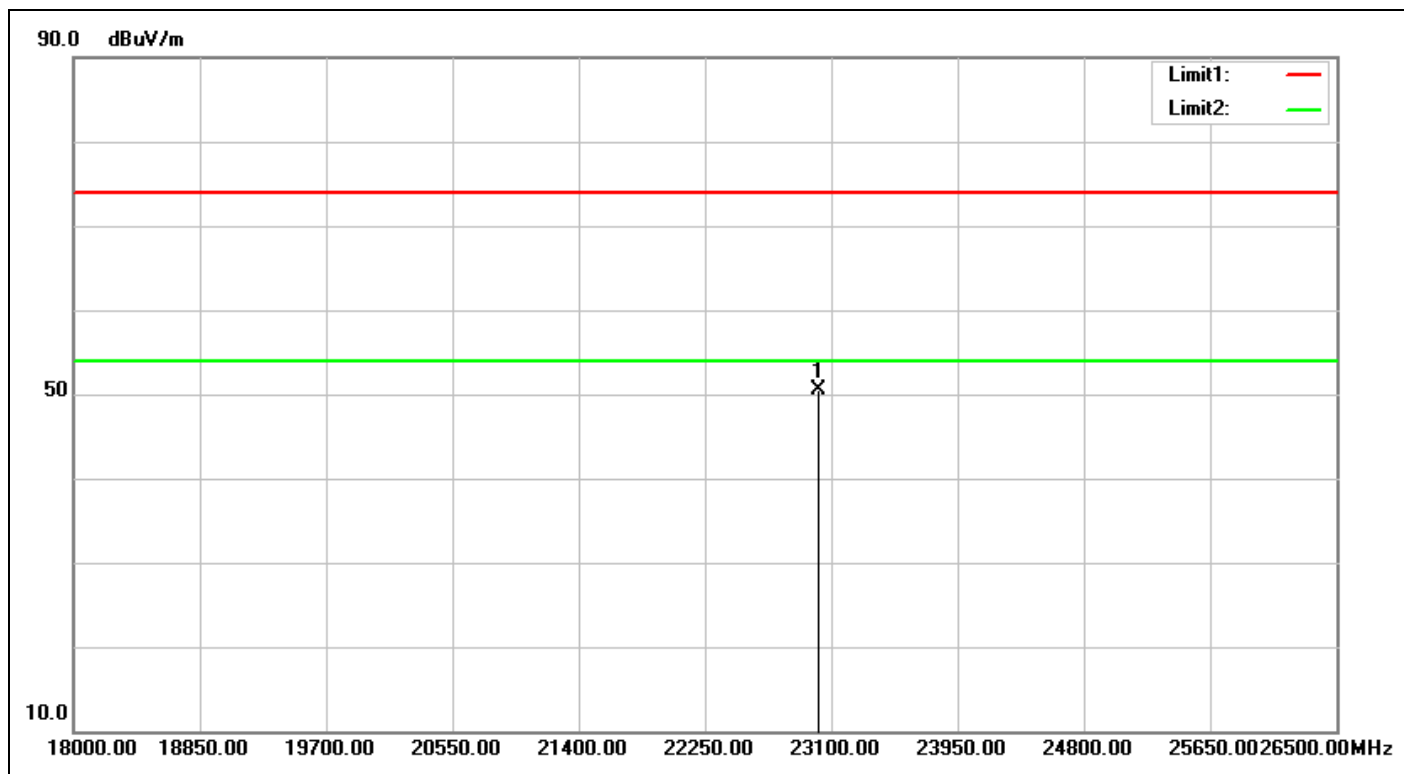
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



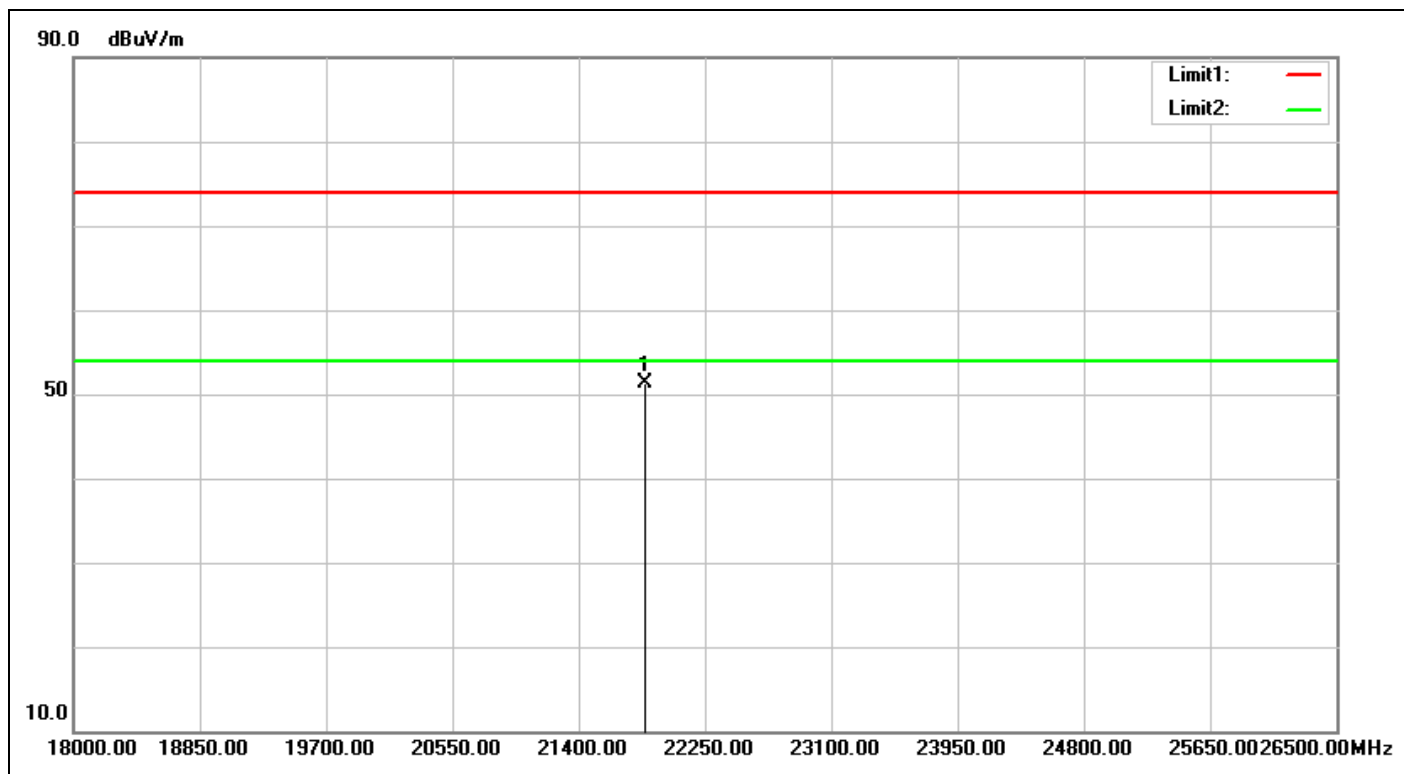
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Horizontal         |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:03:45 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2402-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 21765.500       | 32.73         | 17.75          | 50.48          | 74.00          | -23.52      | peak |             | 0           |        |



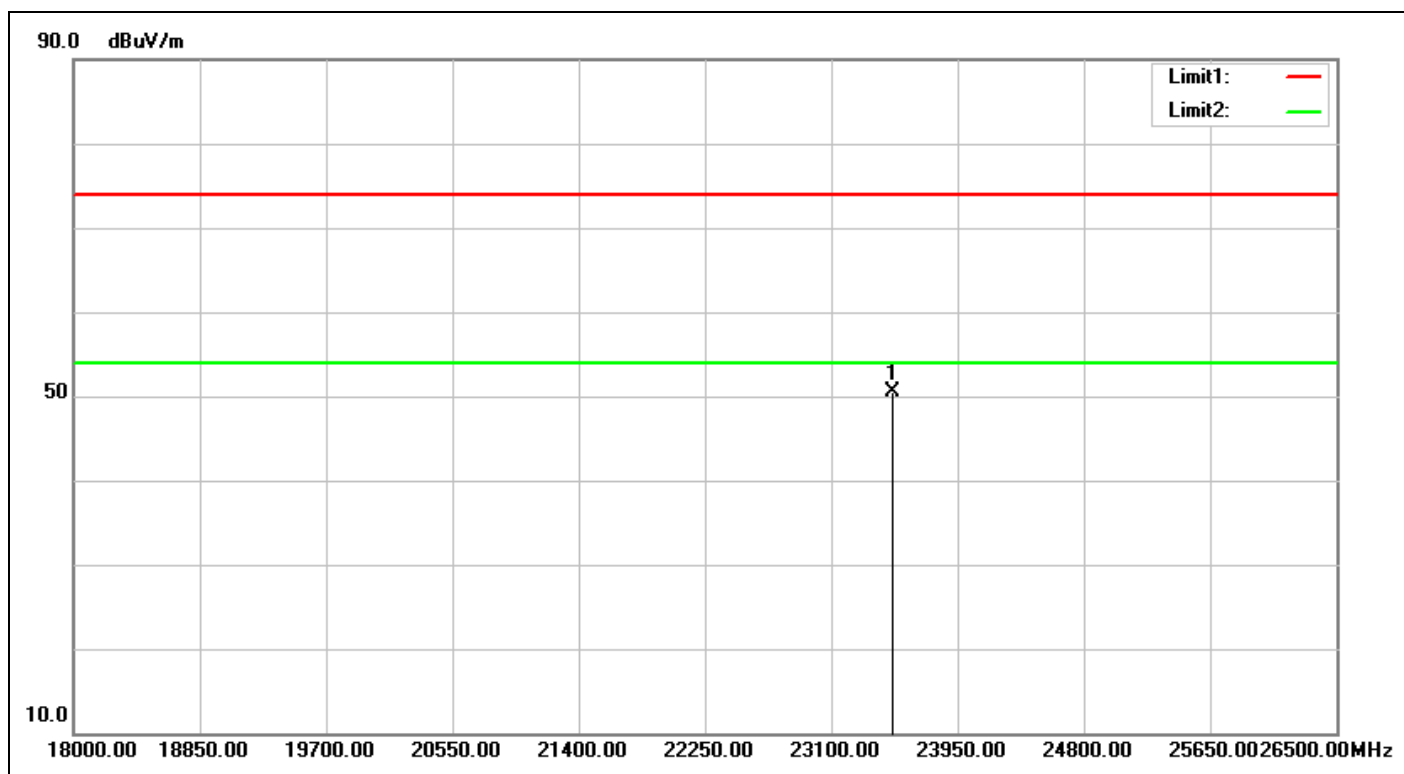
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Above 1G PEAK</b>                  | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 15:03:51</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%):</b> | <b>19.2(°C)/61%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2402-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | Height<br>(cm) | Azimuth<br>( ° ) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1   | 23015.000          | 32.82            | 17.75             | 50.57             | 74.00             | -23.43         | peak |                |                  |        |



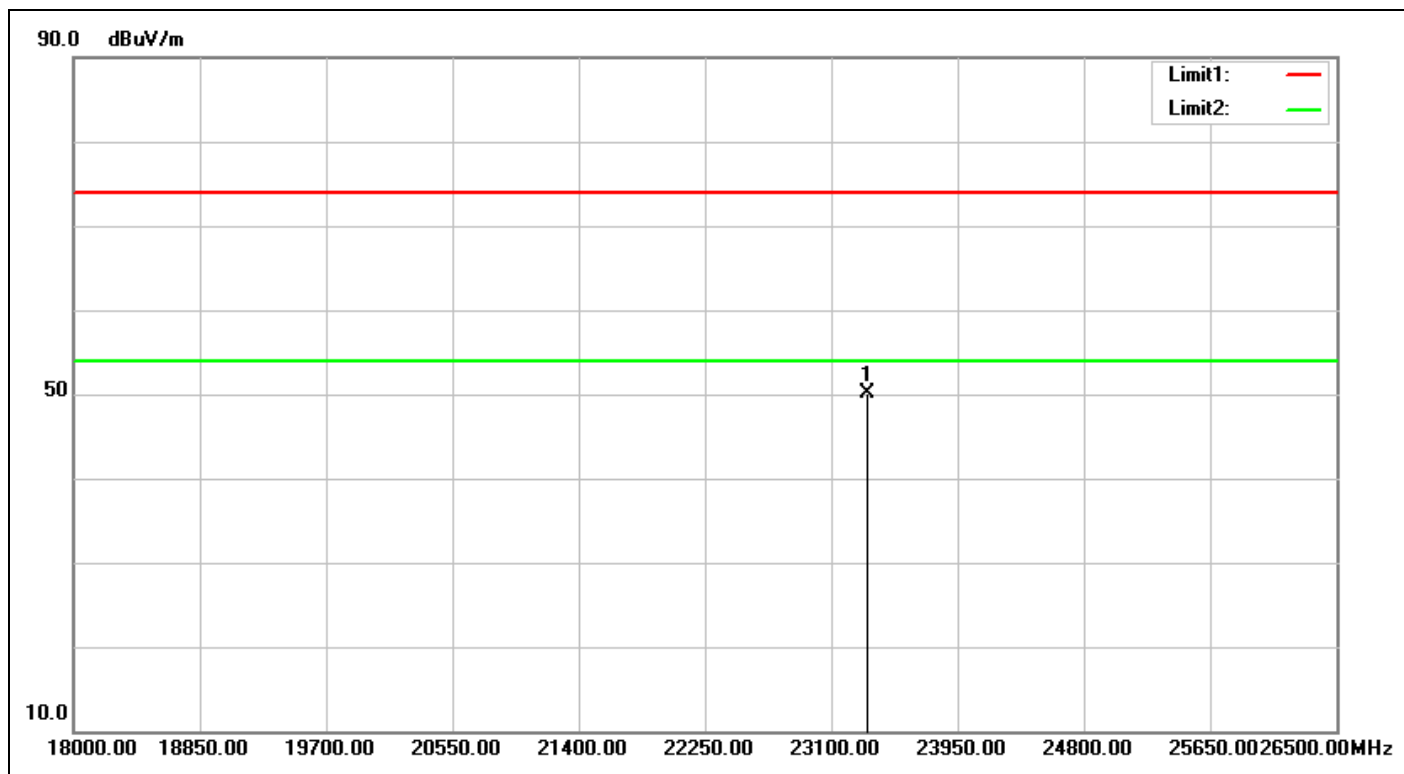
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Horizontal         |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:06:39 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2440-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 21842.000       | 32.68         | 18.58          | 51.26          | 74.00          | -22.74      | peak |             |               |        |



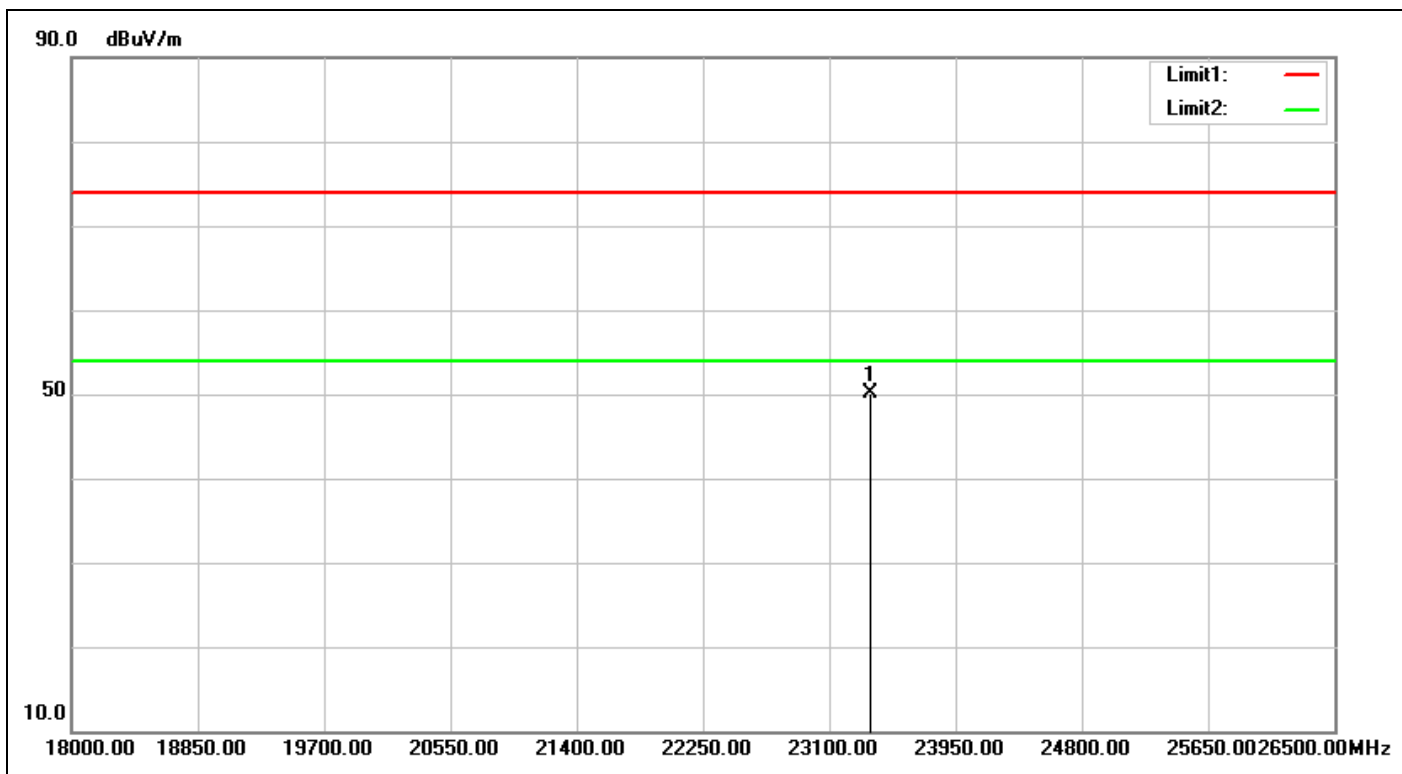
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Vertical           |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:06:45 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2440-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 23508.000       | 33.26         | 17.18          | 50.44          | 74.00          | -23.56      | peak |             |               |        |



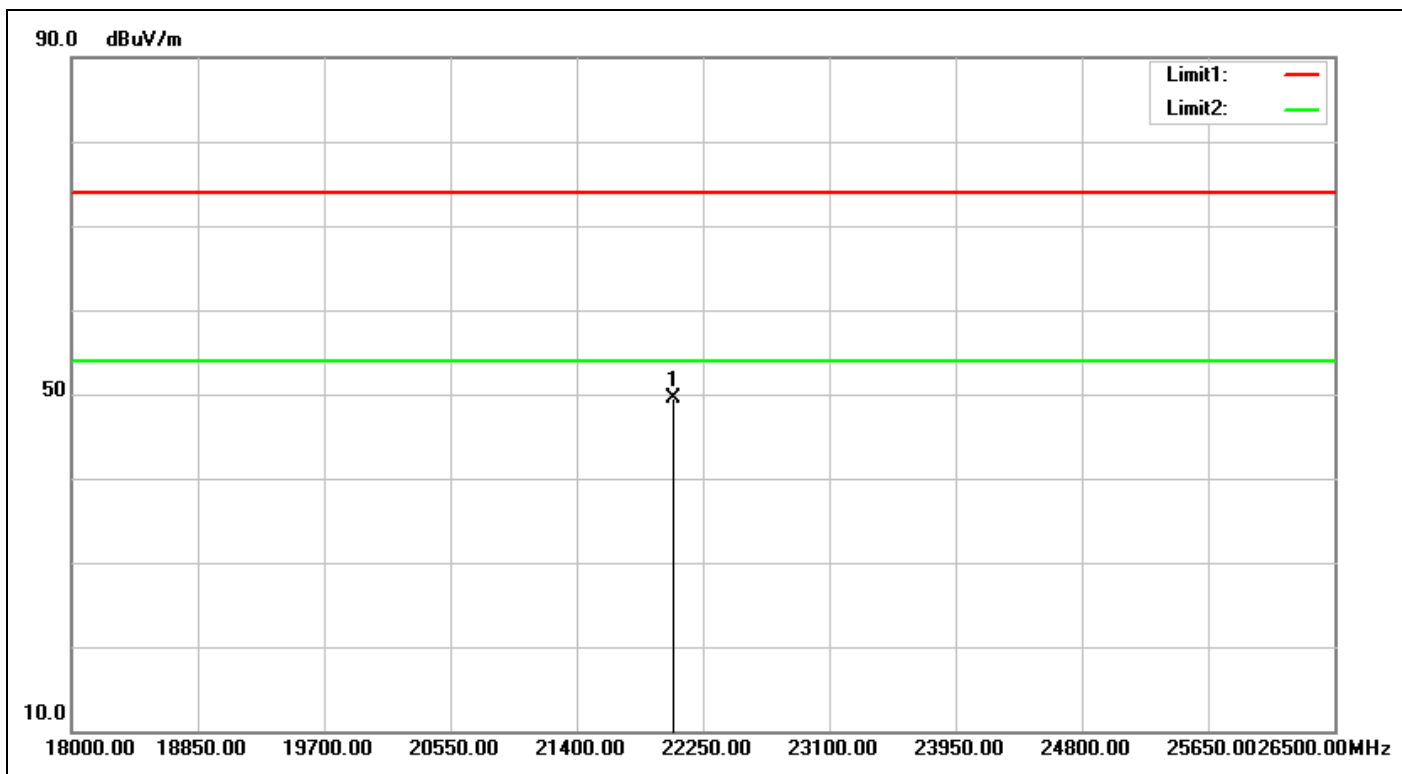
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Horizontal         |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:07:26 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2457-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 23338.000       | 33.12         | 17.00          | 50.12          | 74.00          | -23.88      | peak |             |               |        |



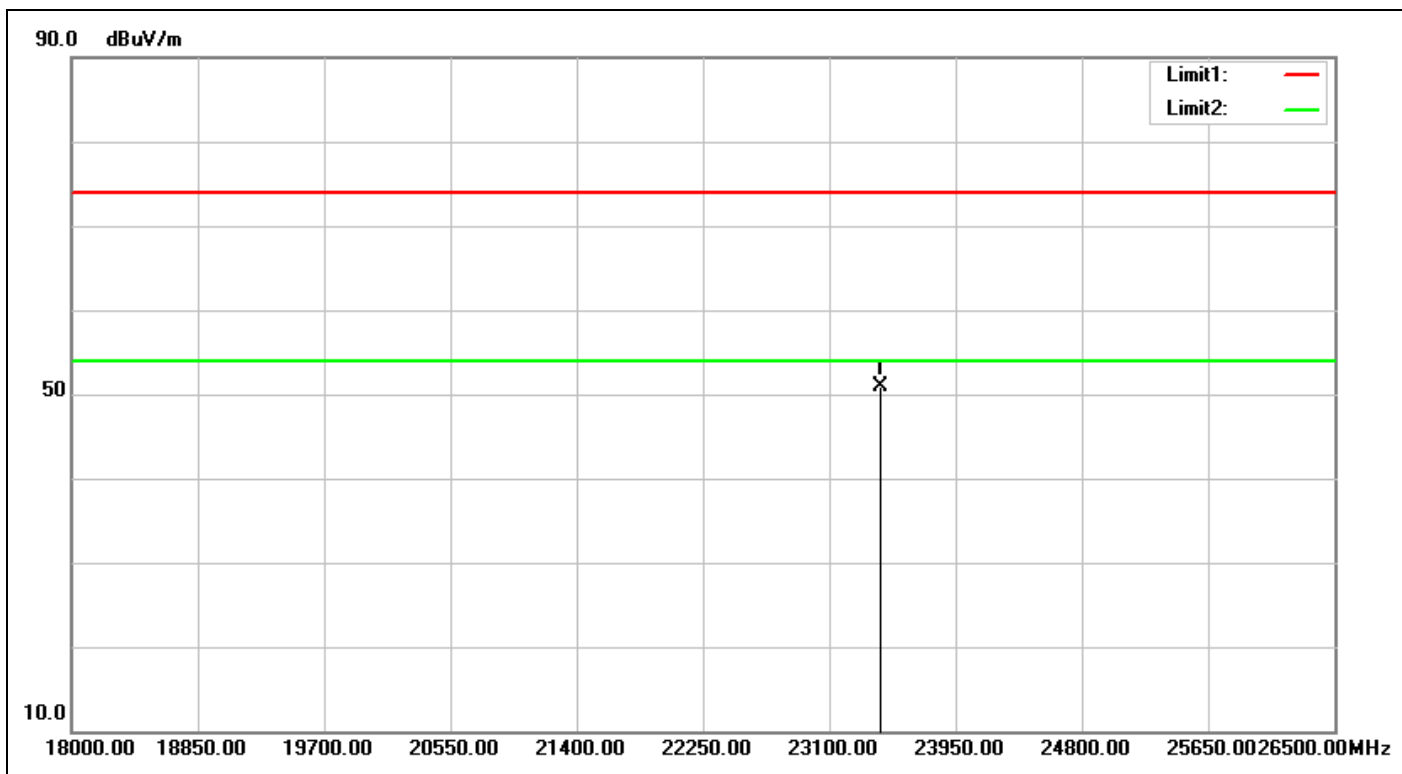
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Vertical           |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:07:33 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2457-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 23372.000       | 33.15         | 16.96          | 50.11          | 74.00          | -23.89      | peak |             |               |        |



|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Horizontal         |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:08:02 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2480-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 22054.500       | 32.59         | 16.91          | 49.50          | 74.00          | -24.50      | peak |             |               |        |



|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC Above 1G PEAK                  | Ant. Polarization: | Vertical           |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 15:08:09 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 19.2(°C)/61%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2480-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 23448.500       | 33.22         | 17.63          | 50.85          | 74.00          | -23.15      | peak |             |               |        |

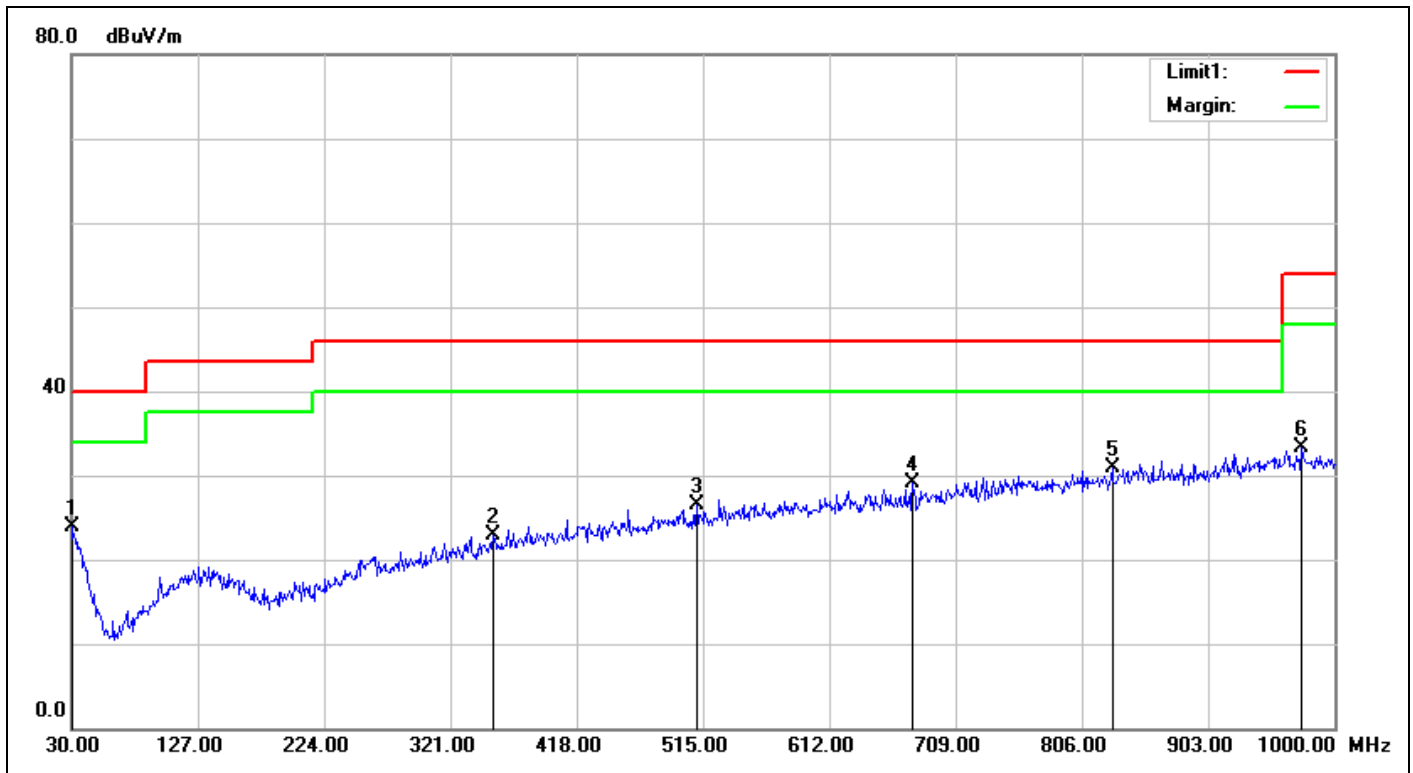
## Spurious Emissions, TX Mode, 30M-1G



**TUV Rheinland Taiwan Ltd.**

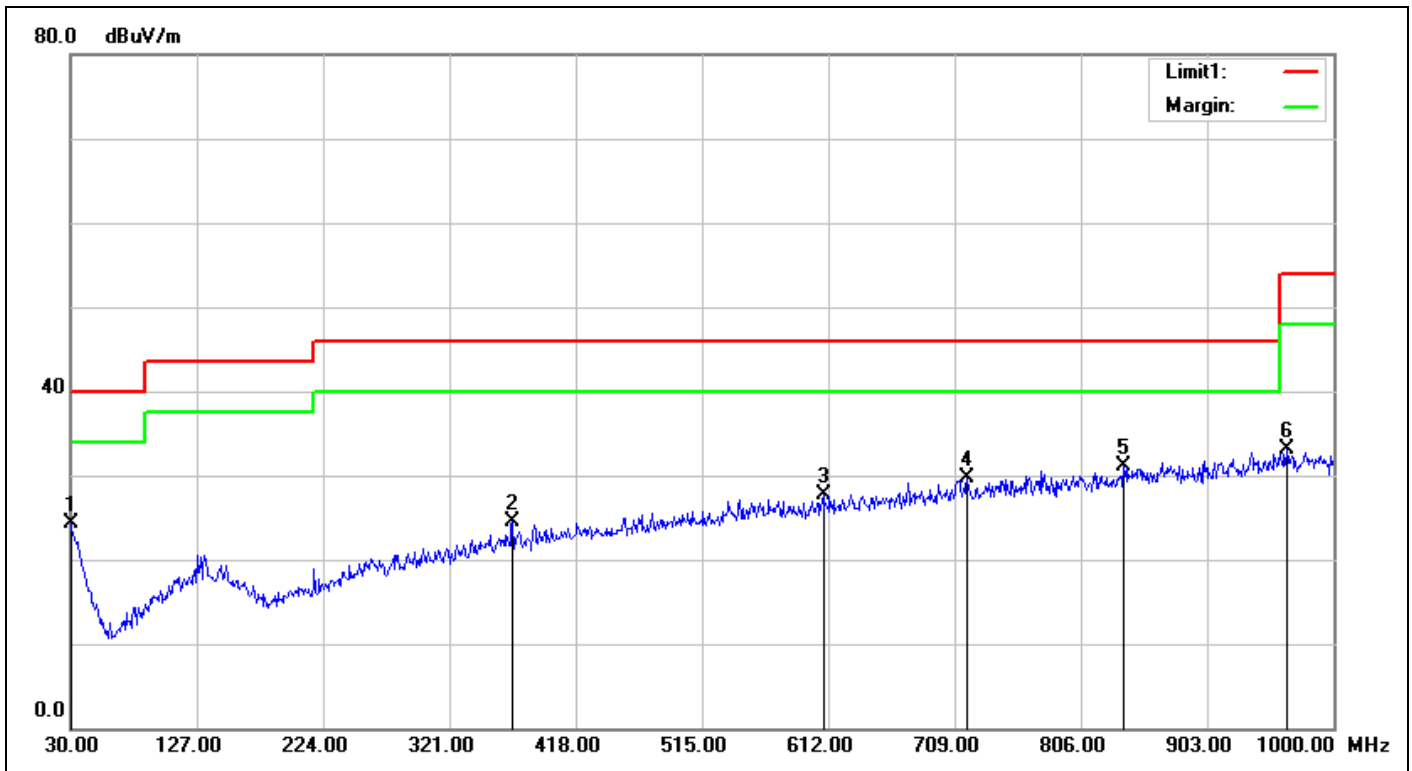
**11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105**

Tel: +886-2172-7000 fax: +886-2528-0018



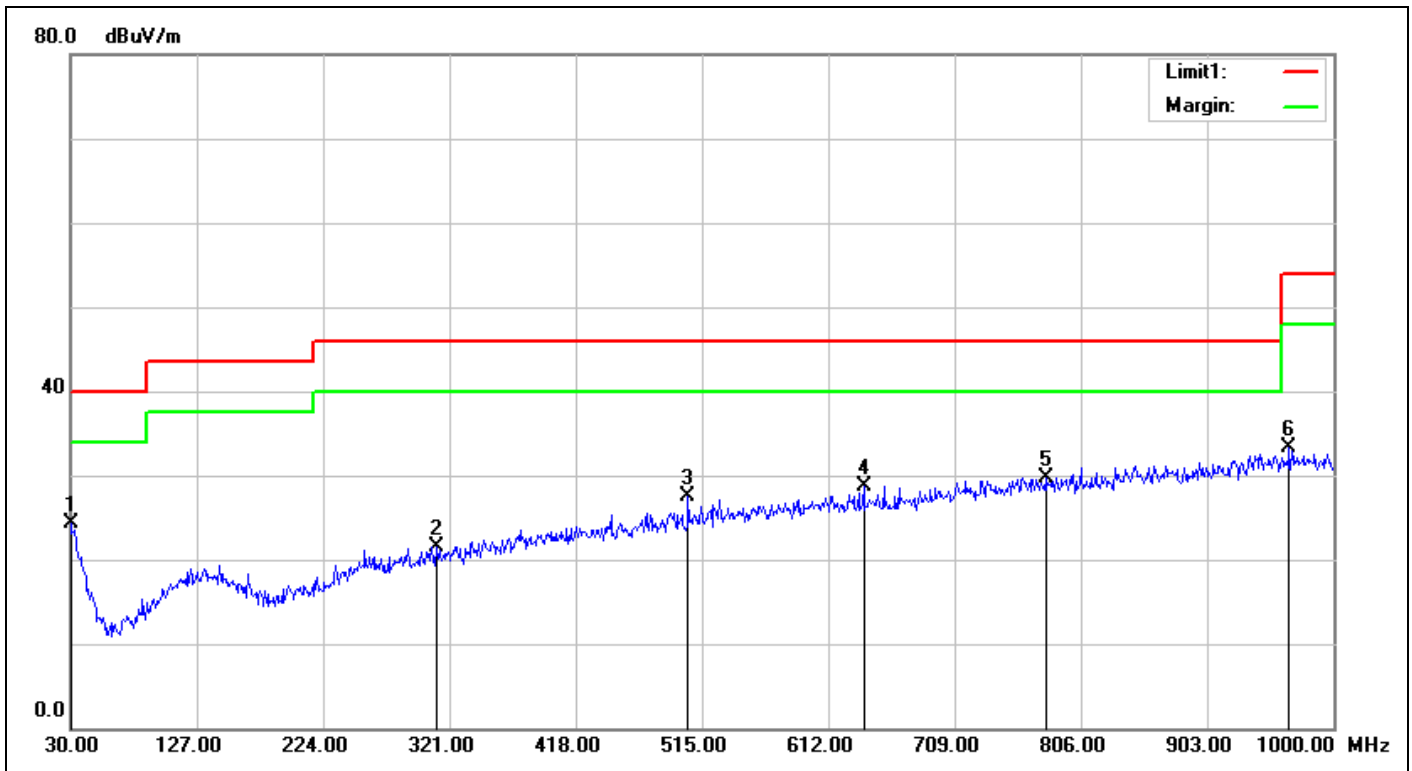
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Class B 3M Radiation</b>           | <b>Ant. Polarization:</b> | <b>Horizontal</b>         |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 15:53:07</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>21.2(°C)/59%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2440-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 30.0000         | -0.25         | 24.09          | 23.84          | 40.00          | -16.16      | QP   | 100         | 330         |        |
| 2   | 353.9800        | -3.27         | 26.18          | 22.91          | 46.00          | -23.09      | QP   | 100         | 166         |        |
| 3   | 510.1499        | -1.04         | 27.51          | 26.47          | 46.00          | -19.53      | QP   | 100         | 260         |        |
| 4   | 676.0198        | 0.91          | 28.13          | 29.04          | 46.00          | -16.96      | QP   | 100         | 357         |        |
| 5   | 829.2799        | 3.33          | 27.49          | 30.82          | 46.00          | -15.18      | QP   | 100         | 212         |        |
| 6   | 974.7799        | 5.61          | 27.65          | 33.26          | 54.00          | -20.74      | QP   | 100         | 82          |        |



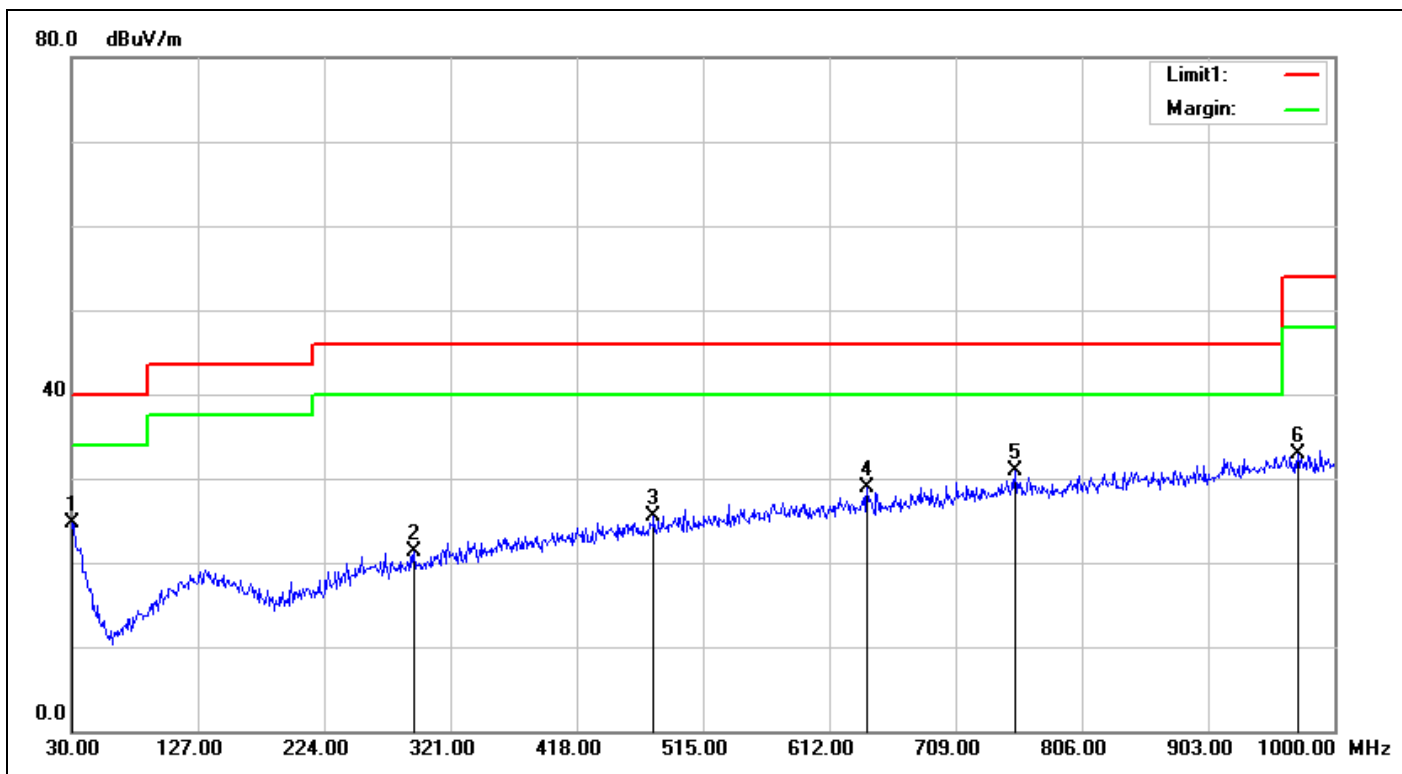
|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Class B 3M Radiation</b>           | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 15:54:04</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>21.2(°C)/59%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2440-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | Height<br>(cm) | Azimuth<br>( ° ) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1   | 30.0000            | -0.25            | 24.61             | 24.36             | 40.00             | -15.64         | QP   | 100            | 255              |        |
| 2   | 369.5000           | -2.98            | 27.57             | 24.59             | 46.00             | -21.41         | QP   | 100            | 177              |        |
| 3   | 608.1200           | 0.15             | 27.46             | 27.61             | 46.00             | -18.39         | QP   | 100            | 225              |        |
| 4   | 718.7000           | 1.68             | 28.12             | 29.80             | 46.00             | -16.20         | QP   | 100            | 98               |        |
| 5   | 838.9800           | 3.50             | 27.64             | 31.14             | 46.00             | -14.86         | QP   | 100            | 122              |        |
| 6   | 964.1100           | 5.56             | 27.45             | 33.01             | 54.00             | -20.99         | QP   | 100            | 107              |        |



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Class B 3M Radiation</b>           | <b>Ant. Polarization:</b> | <b>Horizontal</b>         |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 16:05:22</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>21.2(°C)/59%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2457-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 30.0000         | -0.25         | 24.65          | 24.40          | 40.00          | -15.60      | QP   | 100         | 112         |        |
| 2   | 311.3000        | -4.29         | 25.88          | 21.59          | 46.00          | -24.41      | QP   | 100         | 79          |        |
| 3   | 504.3299        | -1.11         | 28.57          | 27.46          | 46.00          | -18.54      | QP   | 100         | 194         |        |
| 4   | 639.1599        | 0.42          | 28.27          | 28.69          | 46.00          | -17.31      | QP   | 100         | 15          |        |
| 5   | 778.8400        | 2.60          | 27.20          | 29.80          | 46.00          | -16.20      | QP   | 100         | 321         |        |
| 6   | 966.0499        | 5.57          | 27.73          | 33.30          | 54.00          | -20.70      | QP   | 100         | 9           |        |



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC Class B 3M Radiation</b>           | <b>Ant. Polarization:</b> | <b>Vertical</b>           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 16:06:19</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>21.2(°C)/59%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2457-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 30.9700         | -0.79         | 25.44          | 24.65          | 40.00          | -15.35      | QP   | 100         | 1           |        |
| 2   | 292.8700        | -4.73         | 25.95          | 21.22          | 46.00          | -24.78      | QP   | 100         | 127         |        |
| 3   | 477.1700        | -1.52         | 27.00          | 25.48          | 46.00          | -20.52      | QP   | 100         | 248         |        |
| 4   | 641.1000        | 0.44          | 28.49          | 28.93          | 46.00          | -17.07      | QP   | 100         | 193         |        |
| 5   | 754.5900        | 2.41          | 28.52          | 30.93          | 46.00          | -15.07      | QP   | 100         | 93          |        |
| 6   | 971.8700        | 5.60          | 27.36          | 32.96          | 54.00          | -21.04      | QP   | 100         | 312         |        |

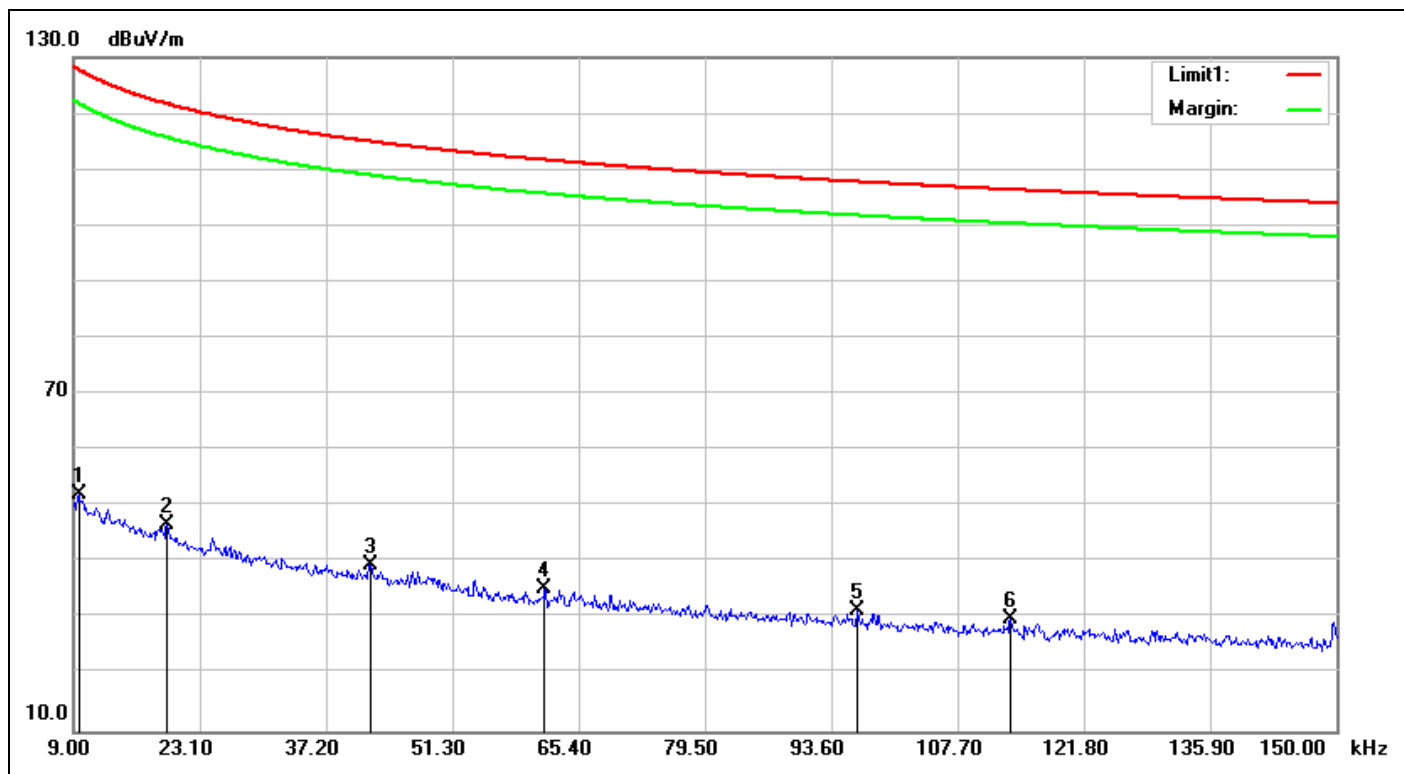
# Spurious Emissions, TX Mode, 9k-30M



**TUV Rheinland Taiwan Ltd.**

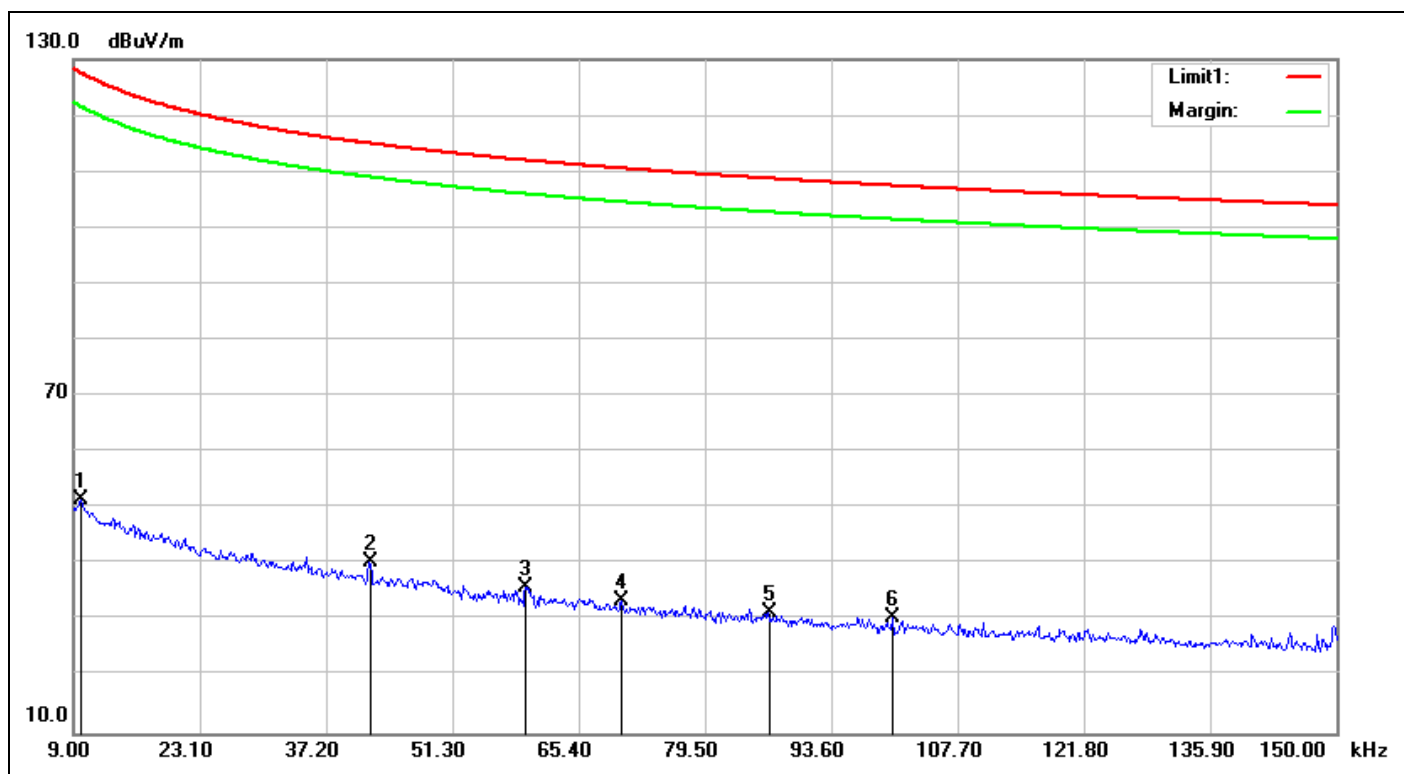
**11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105**

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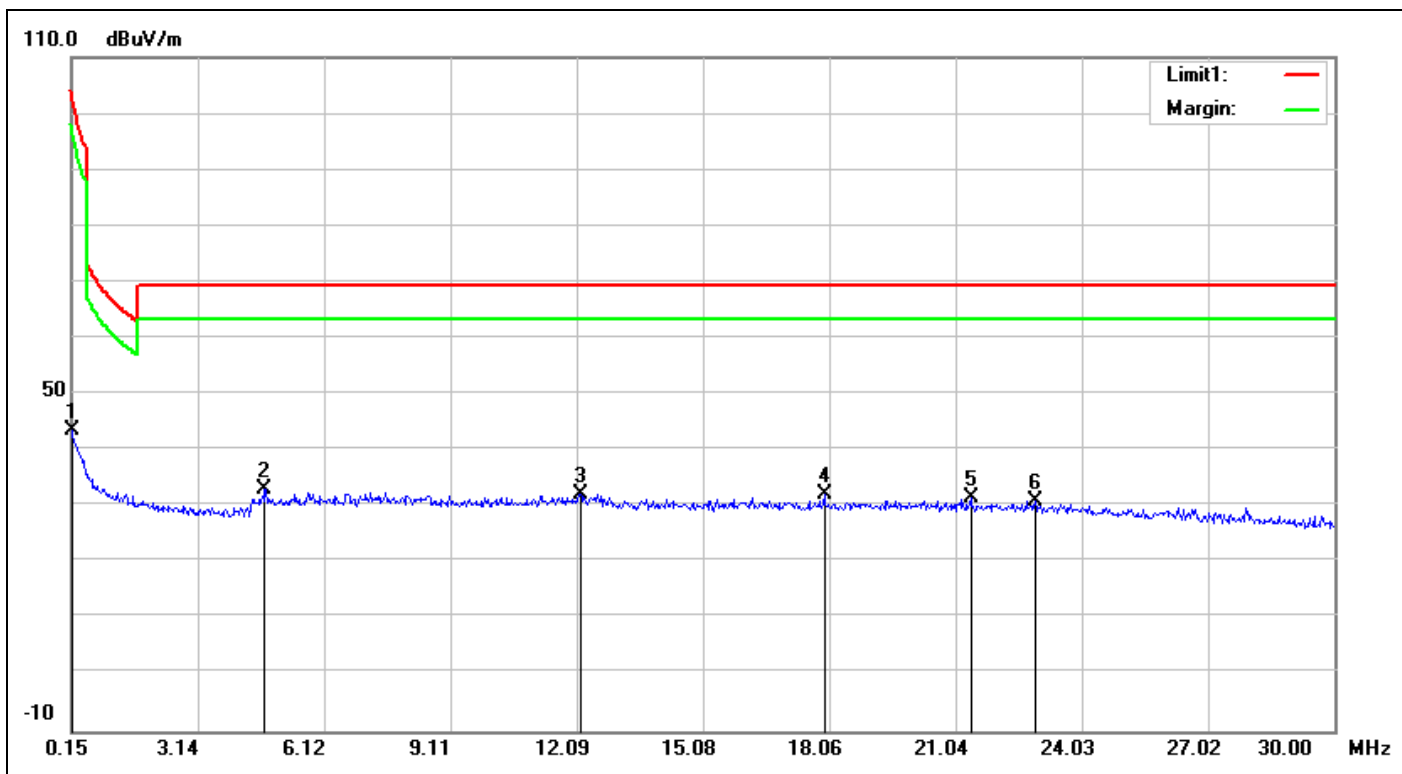
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC15.209_9k-1G_3m                 | Ant. Polarization: |                    |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 16:11:56 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 21.2(°C)/59%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2440-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 0.0095          | 19.76         | 32.25          | 52.01          | 127.84         | -75.83      | QP   | 100         | 259         |        |
| 2   | 0.0194          | 20.02         | 26.77          | 46.79          | 121.68         | -74.89      | QP   | 100         | 358         |        |
| 3   | 0.0421          | 19.70         | 19.83          | 39.53          | 114.99         | -75.46      | QP   | 100         | 51          |        |
| 4   | 0.0615          | 19.36         | 15.91          | 35.27          | 111.71         | -76.44      | QP   | 100         | 262         |        |
| 5   | 0.0965          | 19.15         | 12.38          | 31.53          | 107.83         | -76.30      | QP   | 100         | 15          |        |
| 6   | 0.1136          | 19.12         | 10.77          | 29.89          | 106.42         | -76.53      | QP   | 100         | 214         |        |



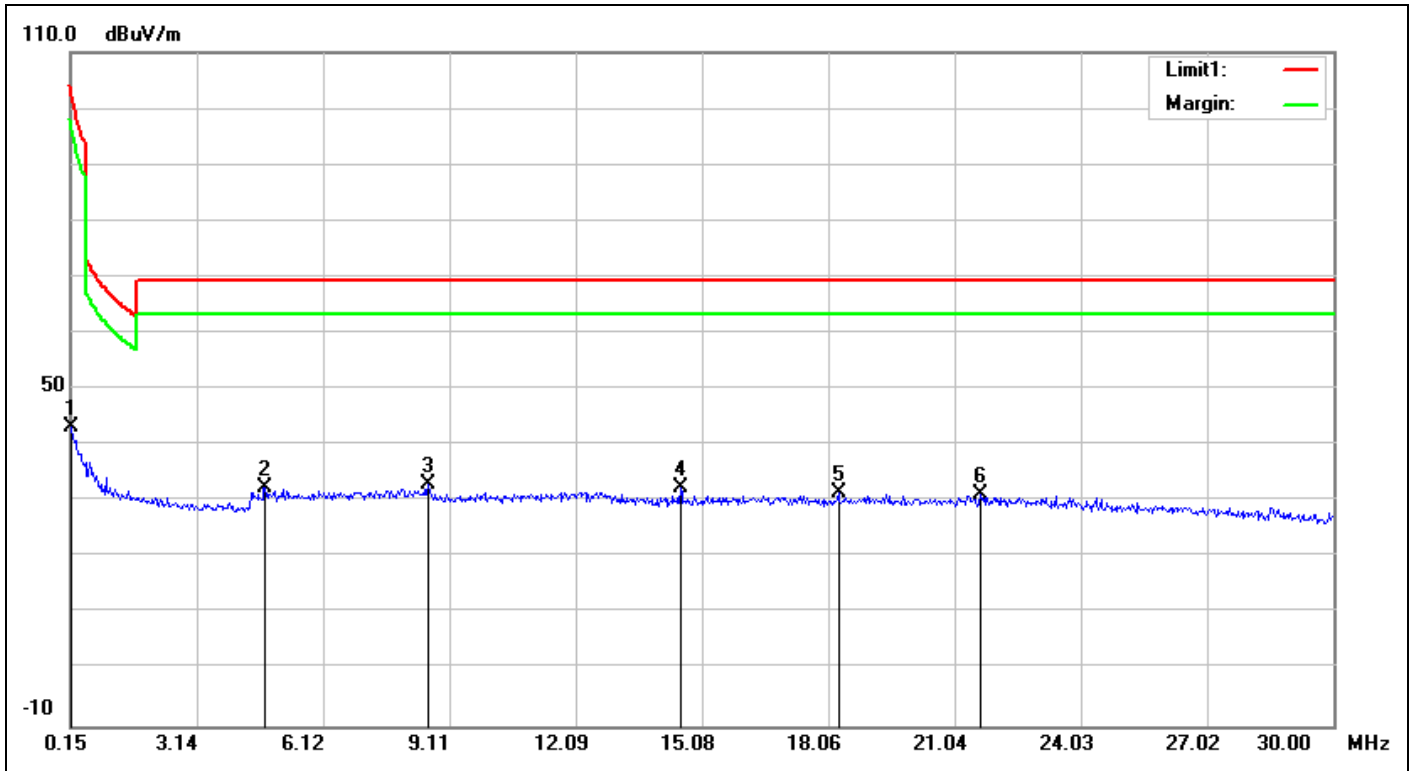
|                |                                    |                    |                    |
|----------------|------------------------------------|--------------------|--------------------|
| Service No.:   | 114070584                          | Test Distance:     | 3m                 |
| Test Standard: | FCC15.209_9k-1G_3m                 | Ant. Polarization: |                    |
| Test item:     | Radiation Emission                 | Test Time:         | 2018/2/23 16:12:53 |
| Applicant:     | Zentan Technology Co., Ltd.        | Test Rating:       | DC 3.3V            |
| Product:       | Bluetooth And ANT+ Wireless Module | Temp.(°C)/Hum.(%)  | 21.2(°C)/59%       |
| Model No.:     | ZR7                                | Test Engineer:     | George Yang        |
| Test Mode:     | 2457-TX                            |                    |                    |
| Remark:        |                                    |                    |                    |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 0.0098          | 19.86         | 31.58          | 51.44          | 127.57         | -76.13      | QP   | 100         | 359         |        |
| 2   | 0.0420          | 19.71         | 20.61          | 40.32          | 115.01         | -74.69      | QP   | 100         | 240         |        |
| 3   | 0.0595          | 19.37         | 16.54          | 35.91          | 112.00         | -76.09      | QP   | 100         | 309         |        |
| 4   | 0.0702          | 19.31         | 14.32          | 33.63          | 110.57         | -76.94      | QP   | 100         | 249         |        |
| 5   | 0.0866          | 19.21         | 12.11          | 31.32          | 108.76         | -77.44      | QP   | 100         | 309         |        |
| 6   | 0.1004          | 19.13         | 11.53          | 30.66          | 107.48         | -76.82      | QP   | 100         | 359         |        |



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC15.209_9k-1G_3m</b>                 | <b>Ant. Polarization:</b> |                           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 16:15:58</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>21.2(°C)/59%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2440-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1   | 0.1499          | 19.08         | 24.46          | 43.54          | 104.02         | -60.48      | QP   | 100         | 40          |        |
| 2   | 4.7170          | 19.58         | 13.39          | 32.97          | 69.50          | -36.53      | QP   | 100         | 180         |        |
| 3   | 12.1795         | 20.60         | 11.50          | 32.10          | 69.50          | -37.40      | QP   | 100         | 289         |        |
| 4   | 17.9404         | 21.62         | 10.40          | 32.02          | 69.50          | -37.48      | QP   | 100         | 49          |        |
| 5   | 21.4031         | 22.07         | 9.36           | 31.43          | 69.50          | -38.07      | QP   | 100         | 128         |        |
| 6   | 22.9255         | 22.18         | 8.82           | 31.00          | 69.50          | -38.50      | QP   | 100         | 168         |        |



|                       |                                           |                           |                           |
|-----------------------|-------------------------------------------|---------------------------|---------------------------|
| <b>Service No.:</b>   | <b>114070584</b>                          | <b>Test Distance:</b>     | <b>3m</b>                 |
| <b>Test Standard:</b> | <b>FCC15.209_9k-1G_3m</b>                 | <b>Ant. Polarization:</b> |                           |
| <b>Test item:</b>     | <b>Radiation Emission</b>                 | <b>Test Time:</b>         | <b>2018/2/23 16:16:55</b> |
| <b>Applicant:</b>     | <b>Zentan Technology Co., Ltd.</b>        | <b>Test Rating:</b>       | <b>DC 3.3V</b>            |
| <b>Product:</b>       | <b>Bluetooth And ANT+ Wireless Module</b> | <b>Temp.(°C)/Hum.(%)</b>  | <b>21.2(°C)/59%</b>       |
| <b>Model No.:</b>     | <b>ZR7</b>                                | <b>Test Engineer:</b>     | <b>George Yang</b>        |
| <b>Test Mode:</b>     | <b>2457-TX</b>                            |                           |                           |
| <b>Remark:</b>        |                                           |                           |                           |

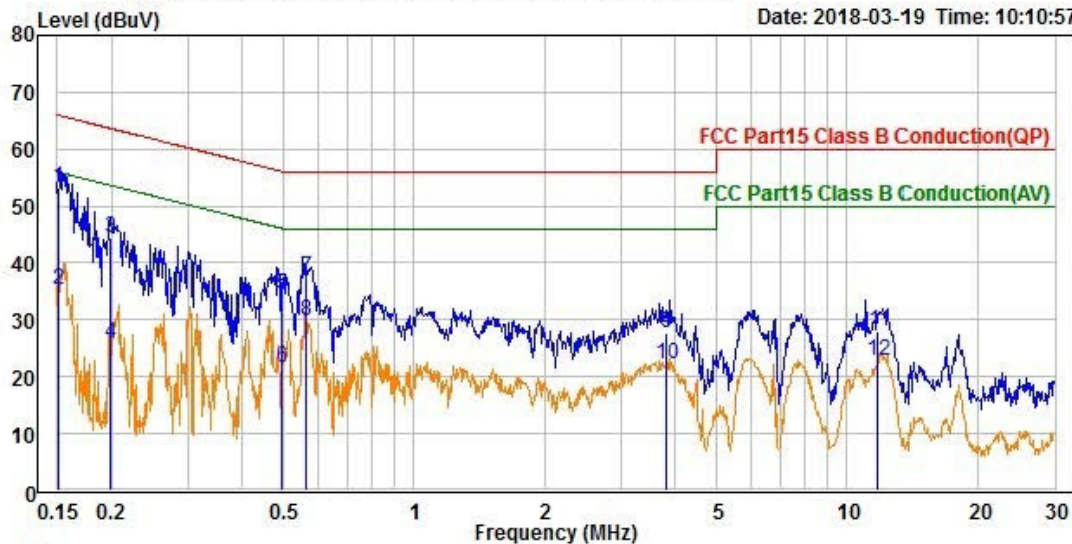
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth ( ° ) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1   | 0.1500          | 19.08         | 24.12          | 43.20          | 104.02         | -60.82      | QP   | 100         | 231           |        |
| 2   | 4.7469          | 19.60         | 12.87          | 32.47          | 69.50          | -37.03      | QP   | 100         | 125           |        |
| 3   | 8.5976          | 20.09         | 13.04          | 33.13          | 69.50          | -36.37      | QP   | 100         | 347           |        |
| 4   | 14.5676         | 21.03         | 11.35          | 32.38          | 69.50          | -37.12      | QP   | 100         | 260           |        |
| 5   | 18.2988         | 21.68         | 9.90           | 31.58          | 69.50          | -37.92      | QP   | 100         | 160           |        |
| 6   | 21.6420         | 22.10         | 9.08           | 31.18          | 69.50          | -38.32      | QP   | 100         | 113           |        |



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Date: 2018-03-19 Time: 10:10:57

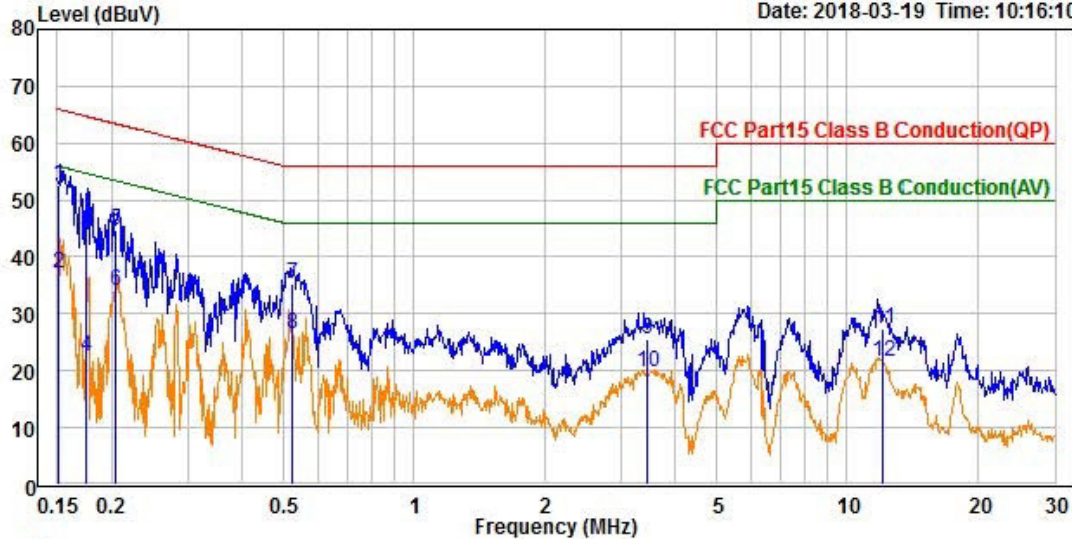


Trace: 1  
Site : Conduction room  
Condition : FCC Part15 Class B Conduction(QP) line1  
Test Engineer: George Yang  
Applicant : Zentan Technology Co., Ltd.  
Product : Bluetooth And ANT+ Wireless Module  
Model No. : ZR7  
Test Rating : 120Vac/60Hz  
Tmp/Hum : 23.2 °C / 48%  
Memo : Mains

|    | Freq   | Read Level | Factor | Level | Limit Line | Over Limit | Remark  |
|----|--------|------------|--------|-------|------------|------------|---------|
|    | MHz    | dBuV       | dB     | dBuV  | dBuV       | dB         |         |
| 1  | 0.150  | 43.60      | 9.65   | 53.25 | 65.99      | -12.74     | QP      |
| 2  | 0.150  | 25.63      | 9.65   | 35.28 | 55.99      | -20.71     | Average |
| 3  | 0.199  | 34.62      | 9.65   | 44.27 | 63.64      | -19.37     | QP      |
| 4  | 0.199  | 16.08      | 9.65   | 25.73 | 53.64      | -27.91     | Average |
| 5  | 0.495  | 24.65      | 9.66   | 34.31 | 56.08      | -21.77     | QP      |
| 6  | 0.495  | 11.79      | 9.66   | 21.45 | 46.08      | -24.63     | Average |
| 7  | 0.561  | 27.90      | 9.66   | 37.56 | 56.00      | -18.44     | QP      |
| 8  | 0.561  | 20.23      | 9.66   | 29.89 | 46.00      | -16.11     | Average |
| 9  | 3.818  | 18.05      | 9.71   | 27.76 | 56.00      | -28.24     | QP      |
| 10 | 3.818  | 12.43      | 9.71   | 22.14 | 46.00      | -23.86     | Average |
| 11 | 11.792 | 18.15      | 9.80   | 27.95 | 60.00      | -32.05     | QP      |
| 12 | 11.792 | 13.02      | 9.80   | 22.82 | 50.00      | -27.18     | Average |

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Date: 2018-03-19 Time: 10:16:10



Trace: 1

Site : Conduction room  
Condition : FCC Part15 Class B Conduction(QP) neutral  
Test Engineer: George Yang  
Applicant : Zentan Technology Co., Ltd.  
Product : Bluetooth And ANT+ Wireless Module  
Model No. : ZR7  
Test Rating : 120Vac/60Hz  
Tmp/Hum : 23.2 °C / 48%  
Memo : Mains

|    | Freq   | Read Level | Factor | Level | Limit Line | Over Limit | Remark  |
|----|--------|------------|--------|-------|------------|------------|---------|
|    | MHz    | dBuV       | dB     | dBuV  | dBuV       | dB         |         |
| 1  | 0.150  | 43.01      | 9.66   | 52.67 | 65.99      | -13.32     | QP      |
| 2  | 0.150  | 27.58      | 9.66   | 37.24 | 55.99      | -18.75     | Average |
| 3  | 0.174  | 34.67      | 9.66   | 44.33 | 64.76      | -20.43     | QP      |
| 4  | 0.174  | 12.94      | 9.66   | 22.60 | 54.76      | -32.16     | Average |
| 5  | 0.205  | 35.07      | 9.66   | 44.73 | 63.42      | -18.69     | QP      |
| 6  | 0.205  | 24.31      | 9.66   | 33.97 | 53.42      | -19.45     | Average |
| 7  | 0.523  | 25.54      | 9.66   | 35.20 | 56.00      | -20.80     | QP      |
| 8  | 0.523  | 16.74      | 9.66   | 26.40 | 46.00      | -19.60     | Average |
| 9  | 3.464  | 15.76      | 9.72   | 25.48 | 56.00      | -30.52     | QP      |
| 10 | 3.464  | 9.90       | 9.72   | 19.62 | 46.00      | -26.38     | Average |
| 11 | 12.155 | 17.44      | 9.83   | 27.27 | 60.00      | -32.73     | QP      |
| 12 | 12.155 | 11.90      | 9.83   | 21.73 | 50.00      | -28.27     | Average |