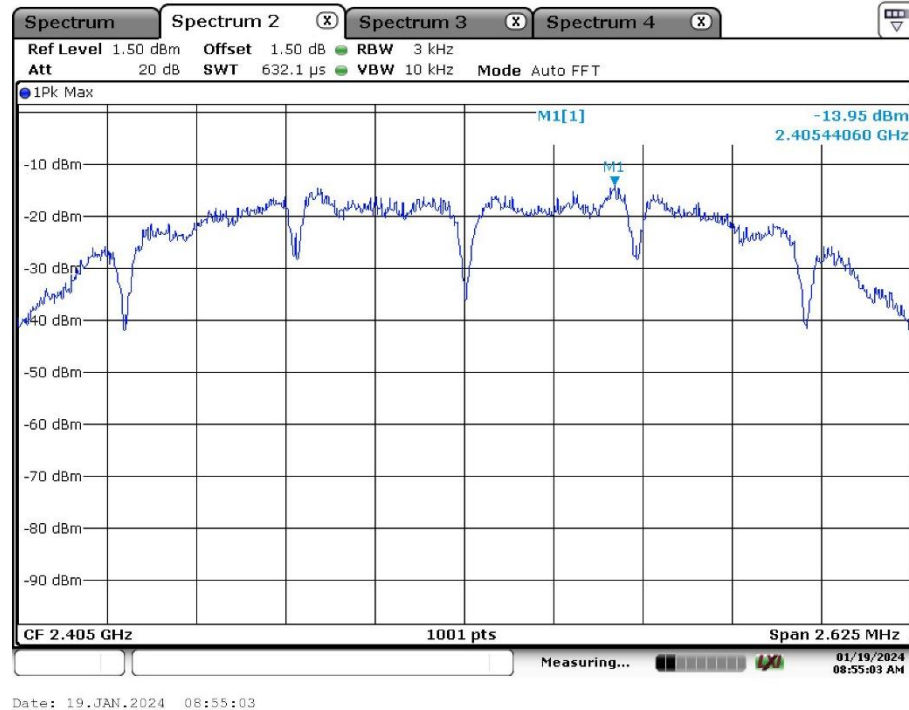


## Appendix A: Test Results of Zigbee

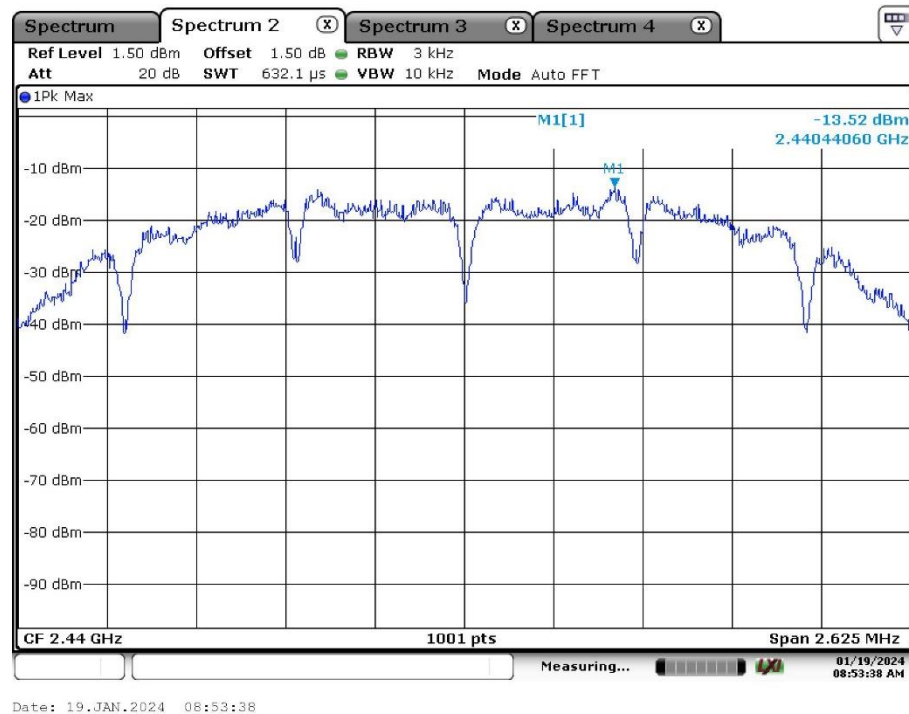
|                                                                                                |    |
|------------------------------------------------------------------------------------------------|----|
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## Appendix A.1: Test Results of Conducted Power Spectral Density

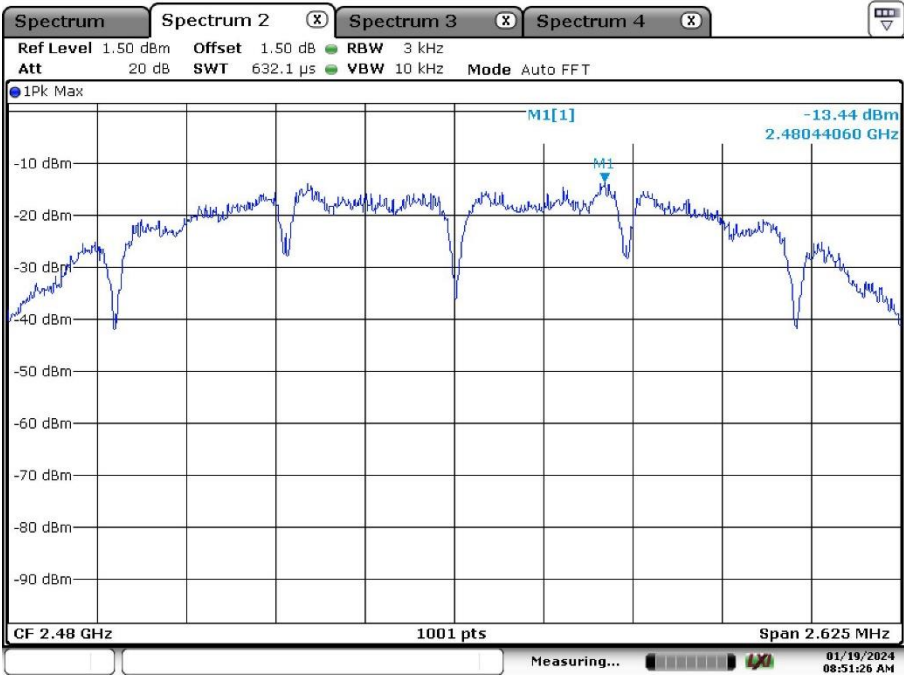
Low Channel:



Middle Channel:



High Channel:



## Appendix A.2: Test Results of 6dB Bandwidth

### Minimum Emission Bandwidth 6 dB (2405 MHz; 20.000 dBm; 5 MHz)

RBW 100KHz, VBW 300KHz

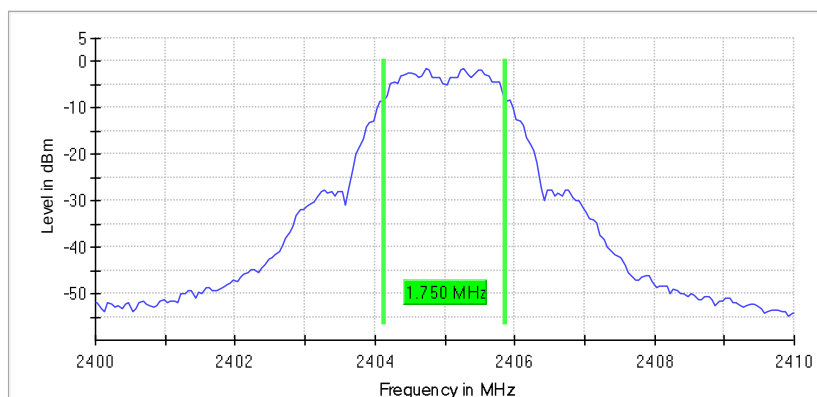
#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2405.000000         | 1.750000        | 0.500000        | ---             | 2404.125000          | 2405.875000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2405.000000         | -1.6            | PASS   |

6 dB Bandwidth



# Minimum Emission Bandwidth 6 dB (2440 MHz; 20.000 dBm; 5 MHz)

RBW 100KHz, VBW 300KHz

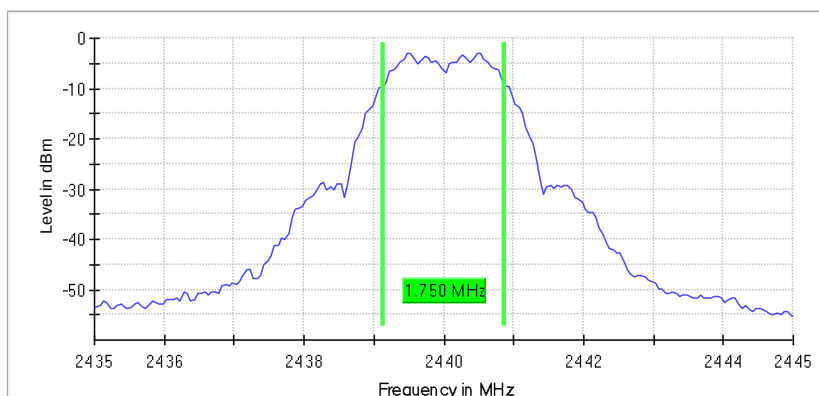
## 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 1.750000        | 0.500000        | ---             | 2439.125000          | 2440.875000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2440.000000         | -3.0            | PASS   |

6 dB Bandwidth



# Minimum Emission Bandwidth 6 dB (2480 MHz; 20.000 dBm; 5 MHz)

RBW 100KHz, VBW 300KHz

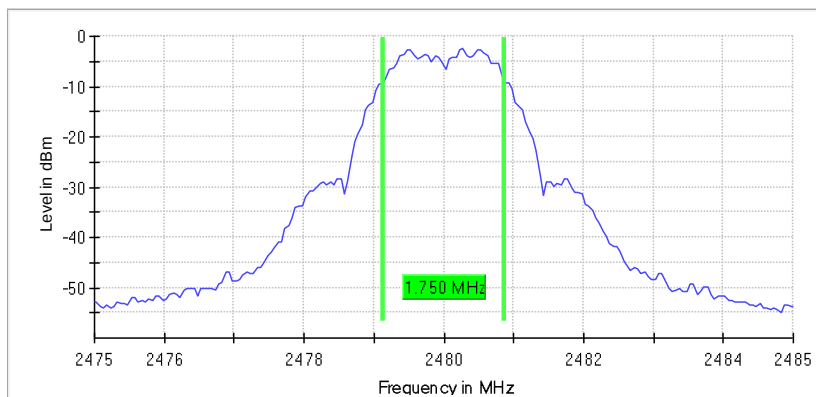
## 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 1.750000        | 0.500000        | ---             | 2479.125000          | 2480.875000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2480.000000         | -2.4            | PASS   |

6 dB Bandwidth



## Appendix A.3: Test Results of 99% Bandwidth

RBW 30KHz

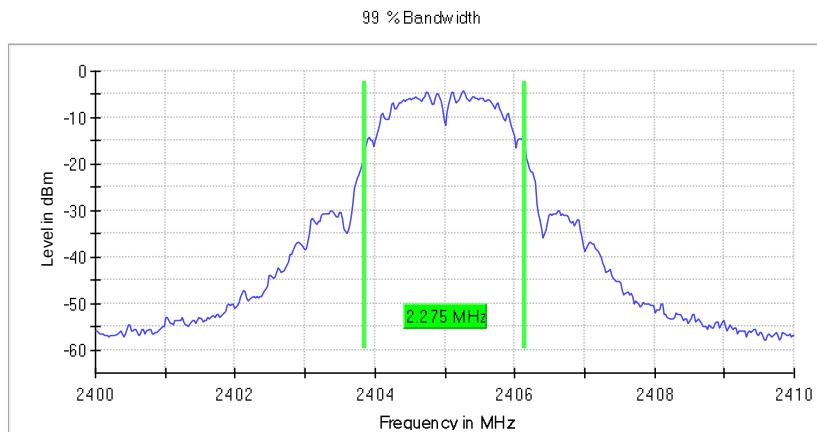
Occupied Channel Bandwidth 99% (2405 MHz; 20.000 dBm; 5 MHz)

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2405.000000         | 2.275000        | ---             | ---             | 2403.862500          | 2406.137500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2405.000000         | PASS   |



**Occupied Channel Bandwidth 99% (2440 MHz; 20.000 dBm; 5 MHz)**  
RBW 30KHz

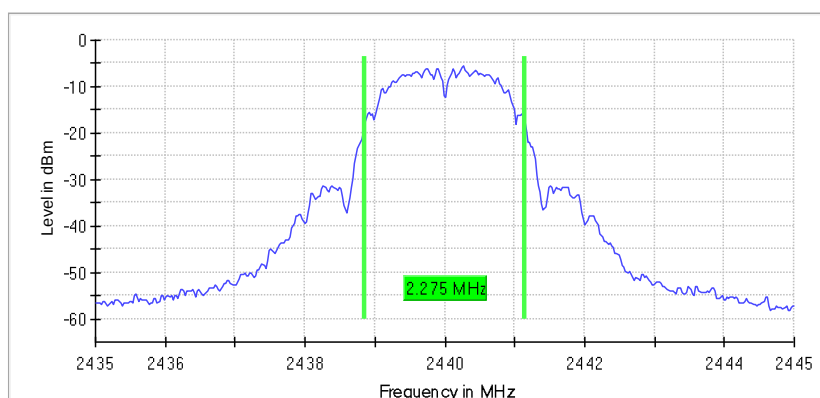
**99 % Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 2.275000        | ---             | ---             | 2438.862500          | 2441.137500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |

99 % Bandwidth



## Occupied Channel Bandwidth 99% (2480 MHz; 20.000 dBm; 5 MHz)

RBW 30KHz

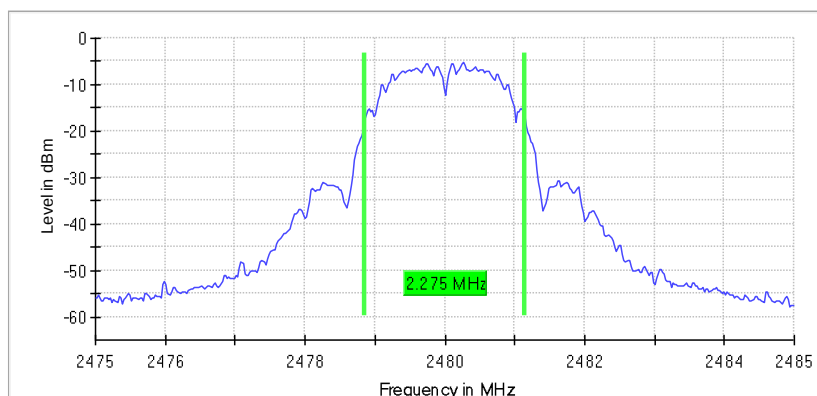
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 2.275000        | ---             | ---             | 2478.862500          | 2481.137500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

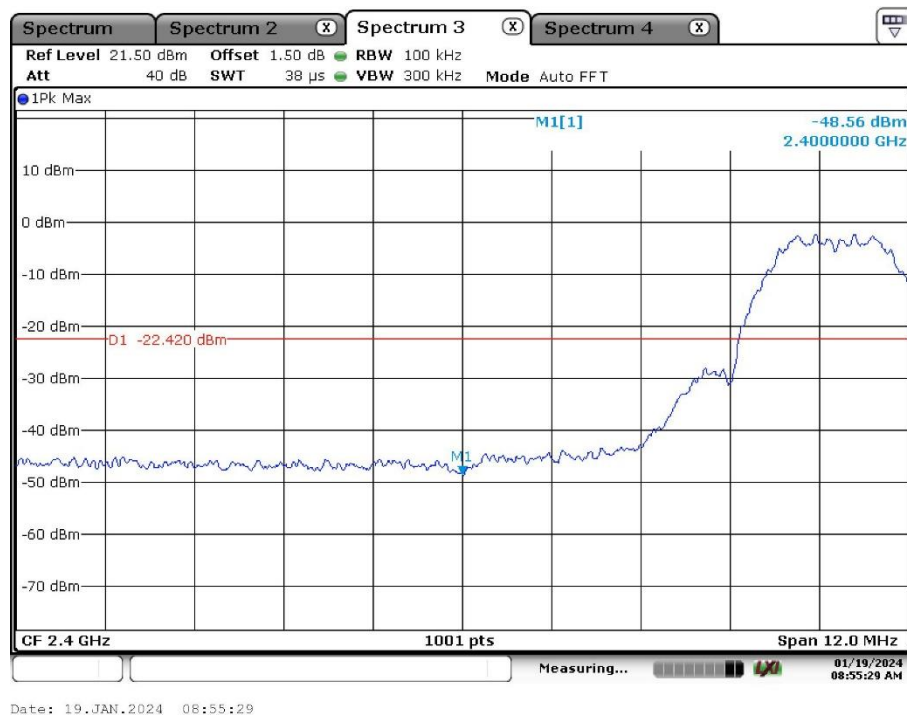
99 % Bandwidth



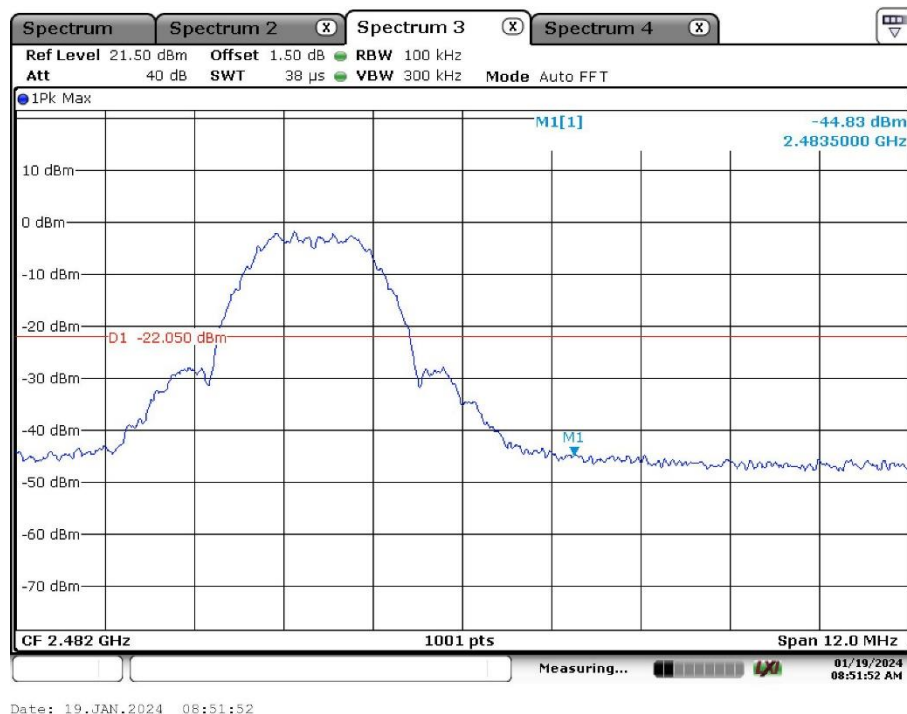
## Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

### Band Edge

Low Channel:

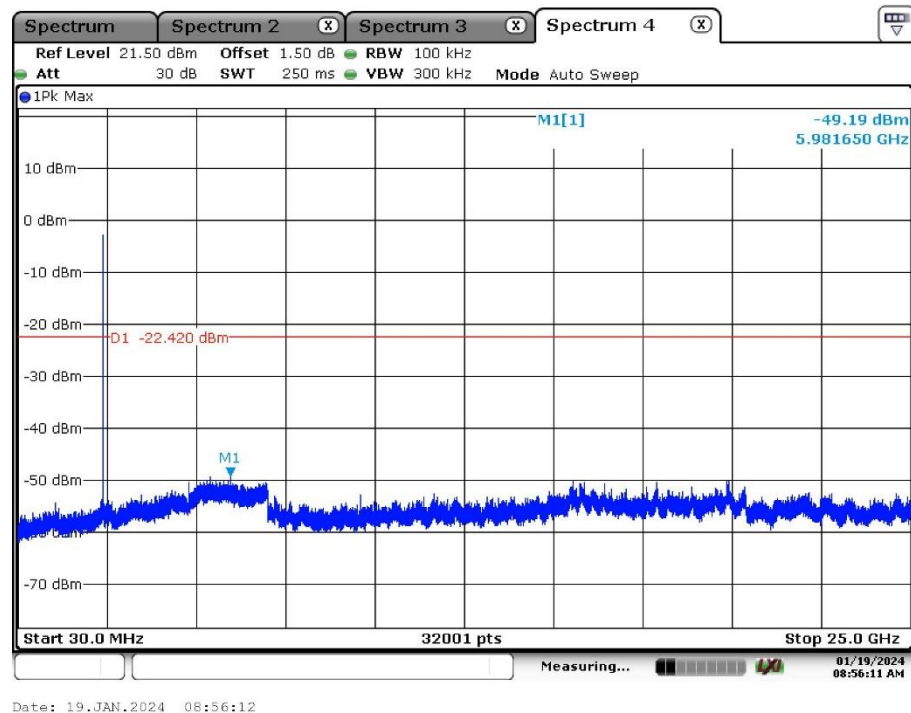
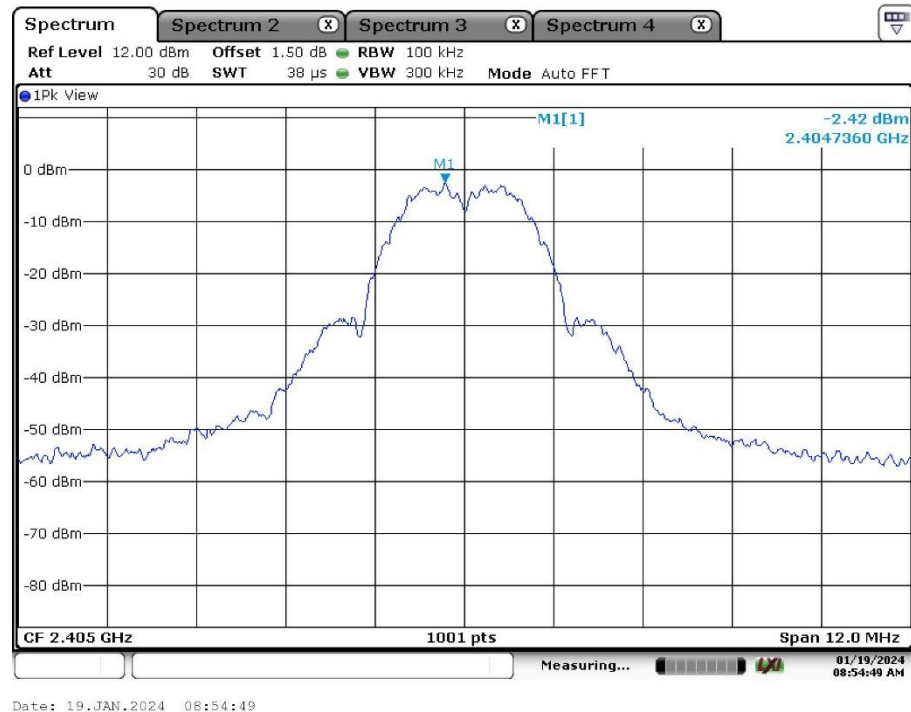


High Channel:

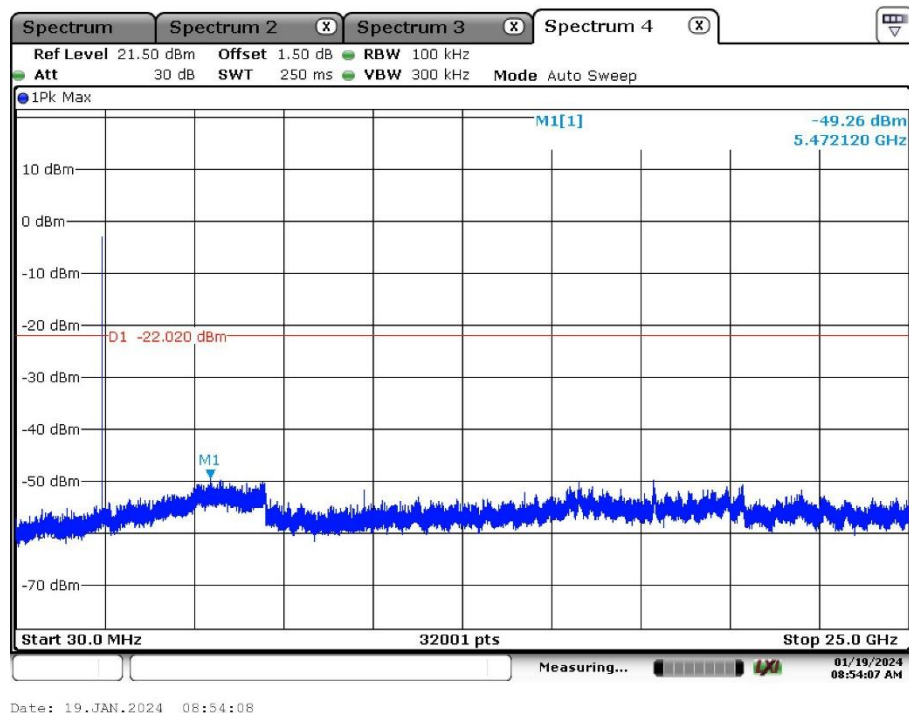
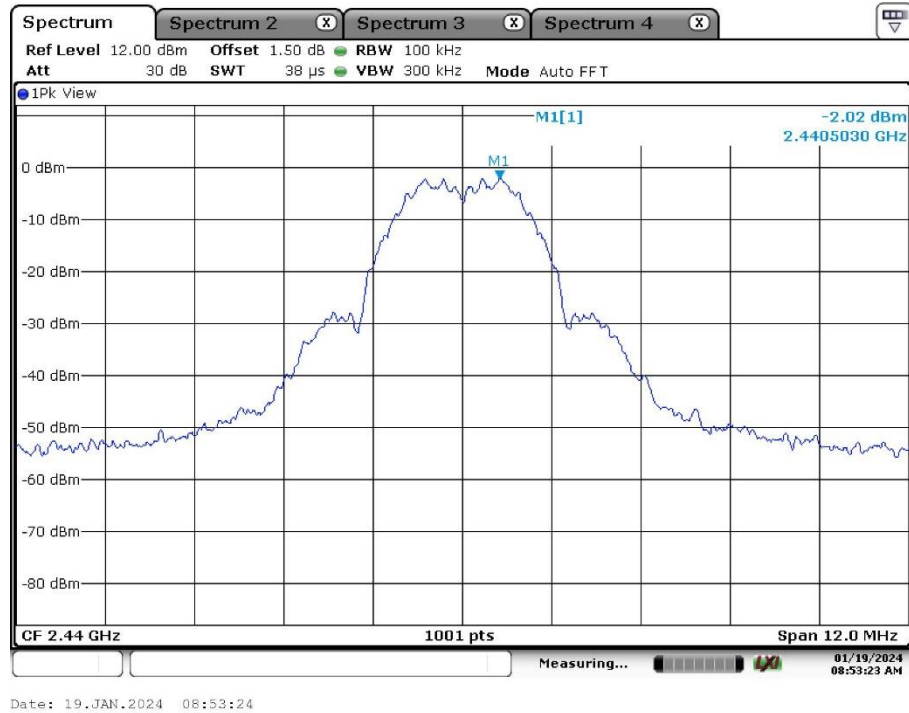


## Conducted Spurious Emission

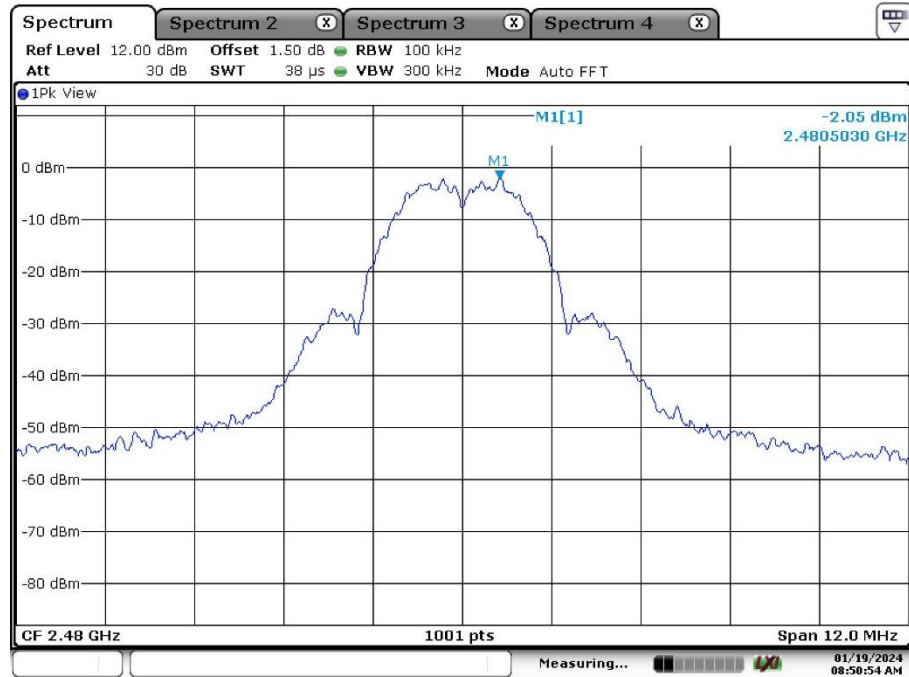
Low Channel:



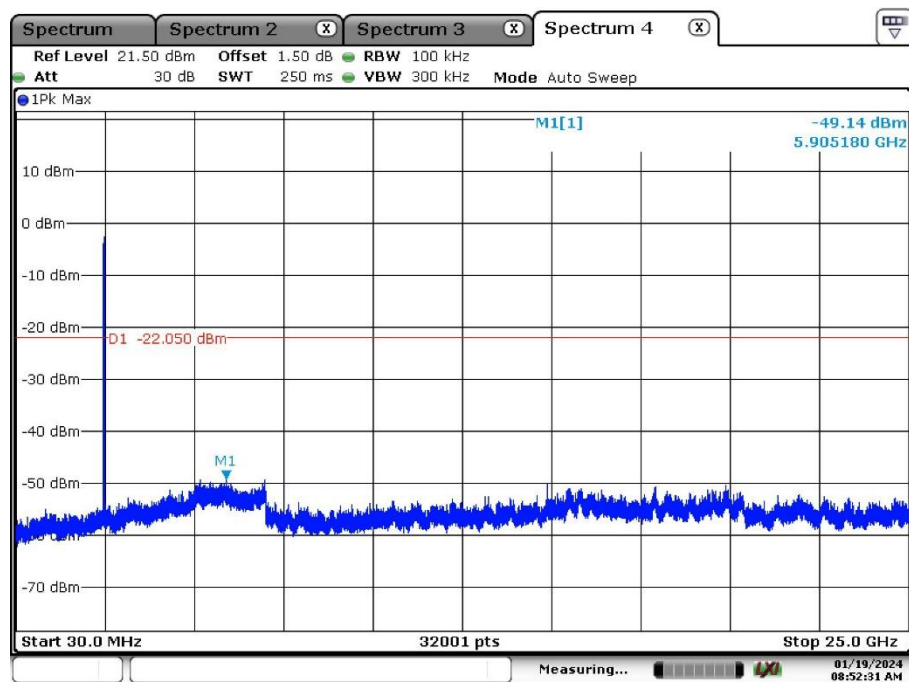
Middle Channel:



High Channel:



Date: 19.JAN.2024 08:50:55



Date: 19.JAN.2024 08:52:32

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

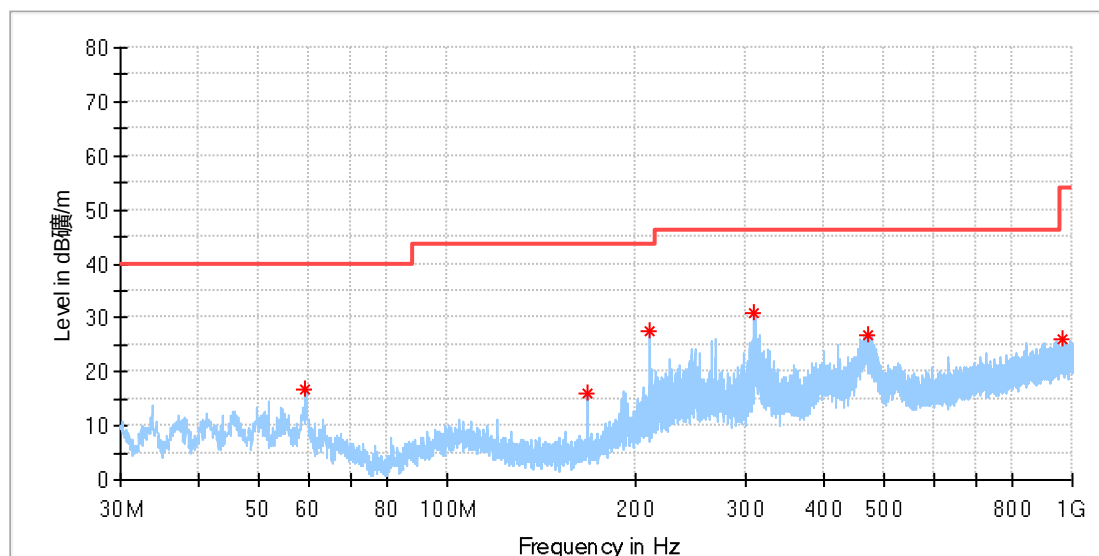
Note:

- 1) 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.

### 30 MHz to 1GHz

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Mid CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

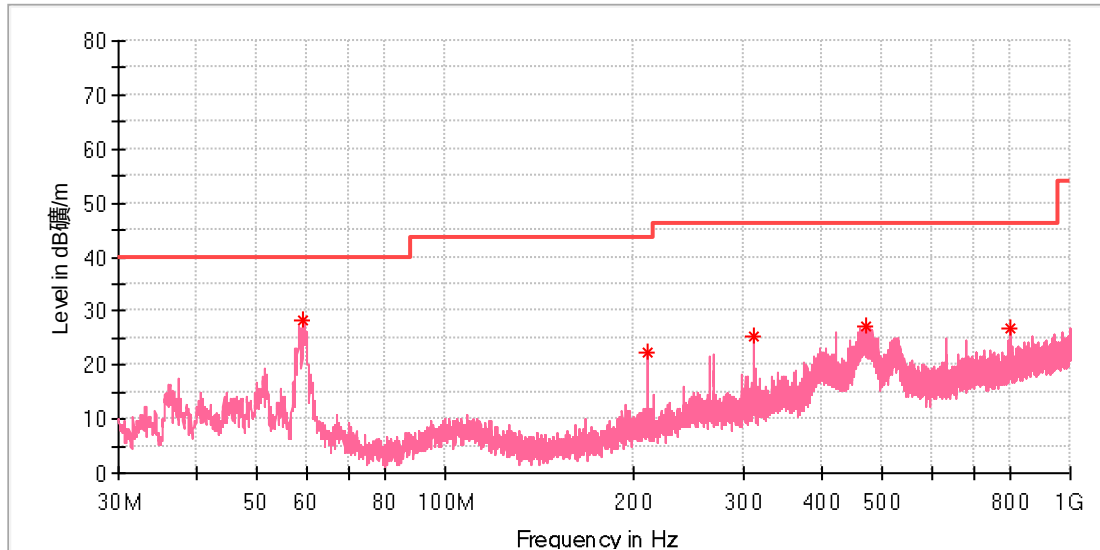
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 59.323846       | 16.66            | 40.00          | 23.34       | 100.0       | H   | 222.0         | -19.2        |
| 168.001154      | 16.13            | 43.50          | 27.37       | 100.0       | H   | 102.0         | -21.7        |
| 210.382692      | 27.48            | 43.50          | 16.02       | 100.0       | H   | 110.0         | -19.1        |
| 308.875000      | 31.05            | 46.00          | 14.95       | 100.0       | H   | 249.0         | -16.4        |
| 472.133462      | 26.93            | 46.00          | 19.07       | 100.0       | H   | 274.0         | -12.8        |
| 963.102692      | 26.00            | 54.00          | 28.00       | 100.0       | H   | 7.0           | -4.7         |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Mid CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 59.323846       | 28.16            | 40.00          | 11.84       | 100.0       | V   | 9.0           | -19.2        |
| 210.345385      | 22.26            | 43.50          | 21.24       | 100.0       | V   | 142.0         | -19.2        |
| 312.008846      | 25.12            | 46.00          | 20.88       | 100.0       | V   | 0.0           | -16.3        |
| 472.543846      | 27.02            | 46.00          | 18.98       | 100.0       | V   | 354.0         | -12.8        |
| 799.135385      | 26.84            | 46.00          | 19.16       | 100.0       | V   | 108.0         | -6.8         |

## Final\_Result

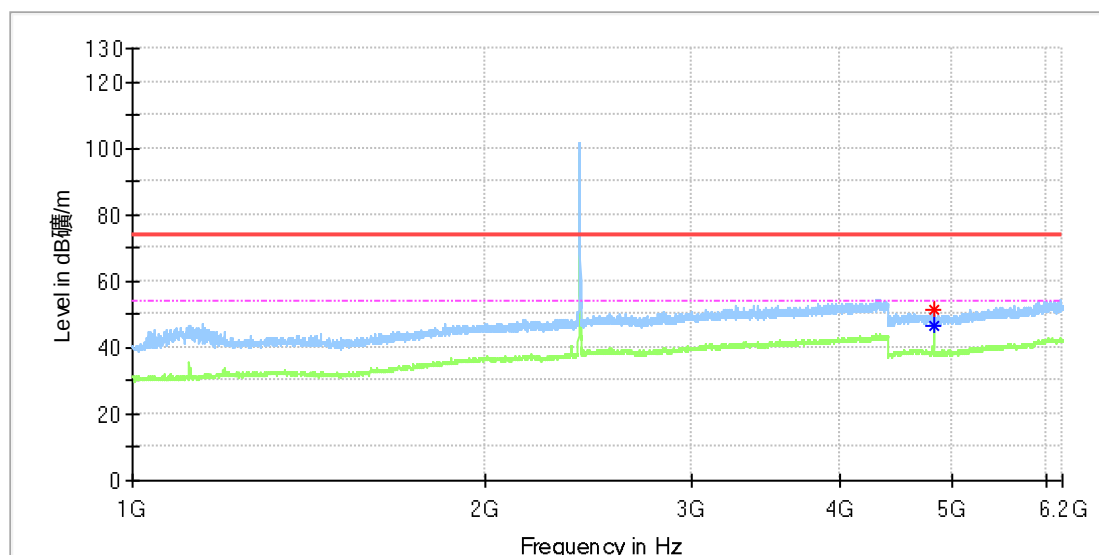
| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---          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

**1GHz-18GHz**

Note: The highest waveform in the figure is Zigbee Fundamental.

**EUT Information**

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Low CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |

**Critical Freqs**

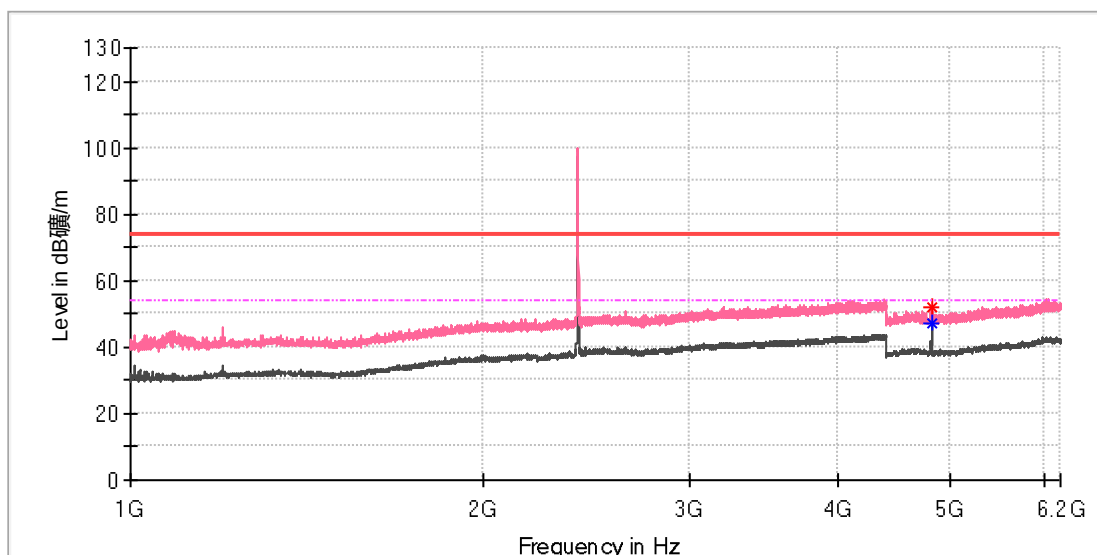
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4812.500000     | 51.40            | ---              | 74.00          | 22.60       | 100.0       | H   | 83.0          | 11.8         |
| 4812.500000     | ---              | 46.86            | 54.00          | 7.14        | 100.0       | H   | 83.0          | 11.8         |

**Final Result**

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

## EUT Information

EUT Name: Zigbee Green Power Device - 4 button Switch  
Model: SWS201  
Test Mode: Zigbee Low CH  
Order No/Sample No: 168459887/A003631937-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247, RSS-247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

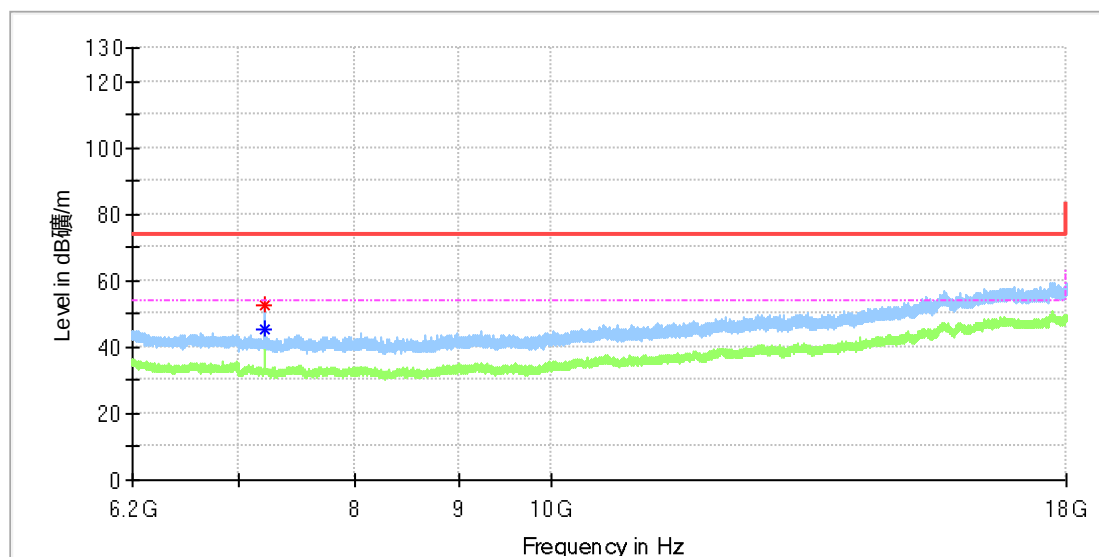
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4812.500000     | 52.08            | ---              | 74.00          | 21.92       | 100.0       | V   | 186.0         | 11.8         |
| 4812.500000     | ---              | 47.07            | 54.00          | 6.93        | 100.0       | V   | 186.0         | 11.8         |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Low CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

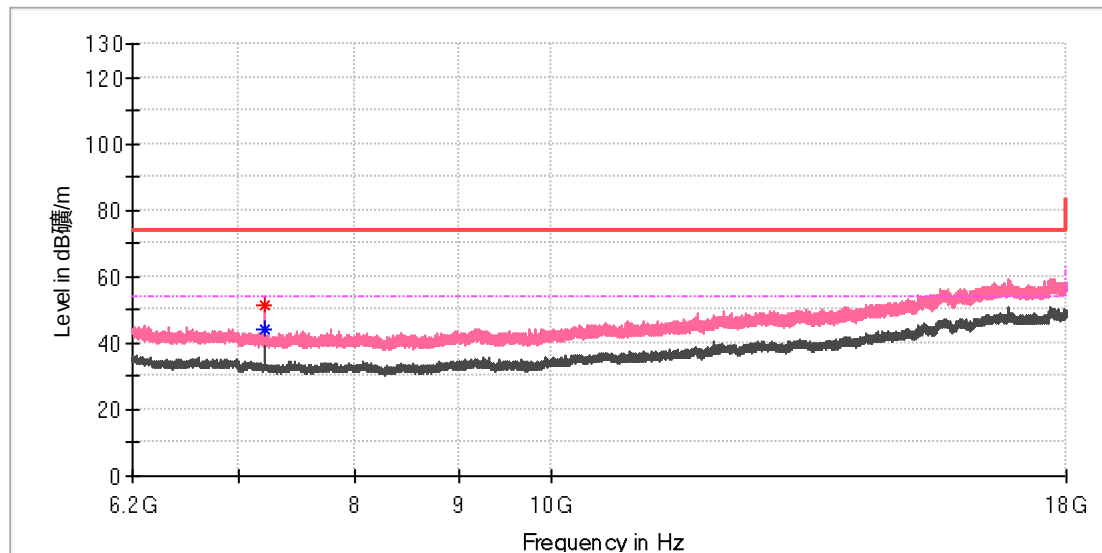
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7216.766667     | ---              | 45.57            | 54.00          | 8.43        | 100.0       | H   | 342.0         | 8.7          |
| 7216.766667     | 52.52            | ---              | 74.00          | 21.48       | 100.0       | H   | 342.0         | 8.7          |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Low CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

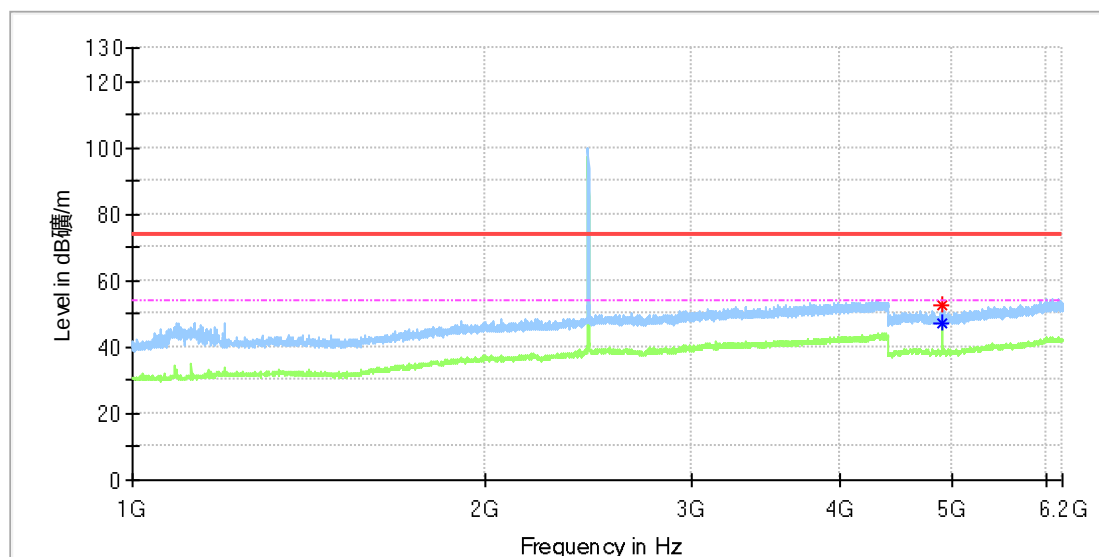
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7212.833333     | 51.33            | ---              | 74.00          | 22.67       | 100.0       | V   | 0.0           | 8.7          |
| 7213.325000     | ---              | 44.41            | 54.00          | 9.59        | 100.0       | V   | 0.0           | 8.7          |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Mid CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

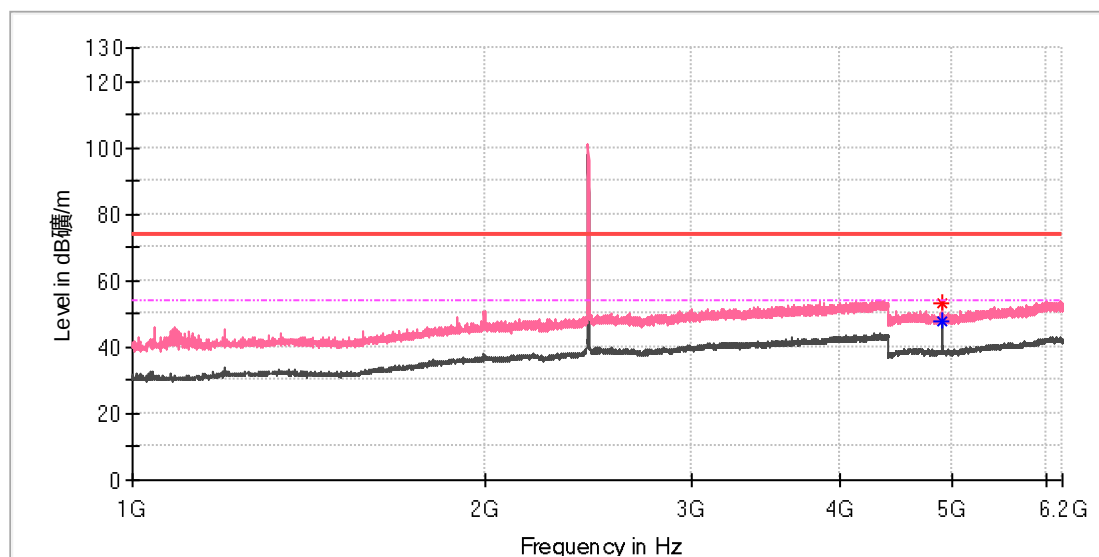
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4892.500000     | 52.32            | ---              | 74.00          | 21.68       | 100.0       | H   | 296.0         | 11.8         |
| 4892.500000     | ---              | 47.21            | 54.00          | 6.79        | 100.0       | H   | 296.0         | 11.8         |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Mid CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

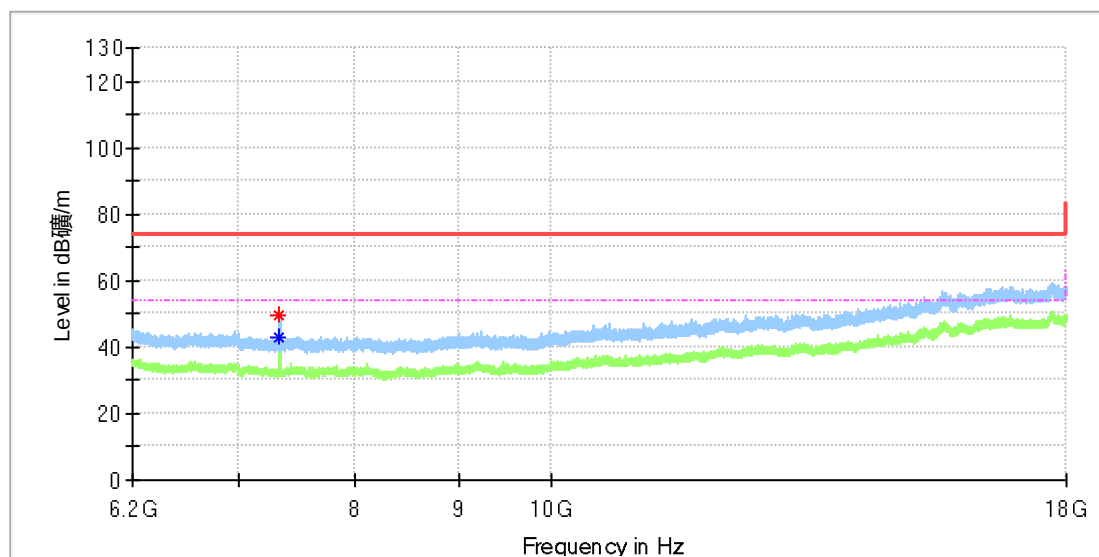
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4892.500000     | ---              | 47.81            | 54.00          | 6.19        | 100.0       | V   | 178.0         | 11.8         |
| 4893.000000     | 53.07            | ---              | 74.00          | 20.93       | 100.0       | V   | 178.0         | 11.8         |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Mid CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

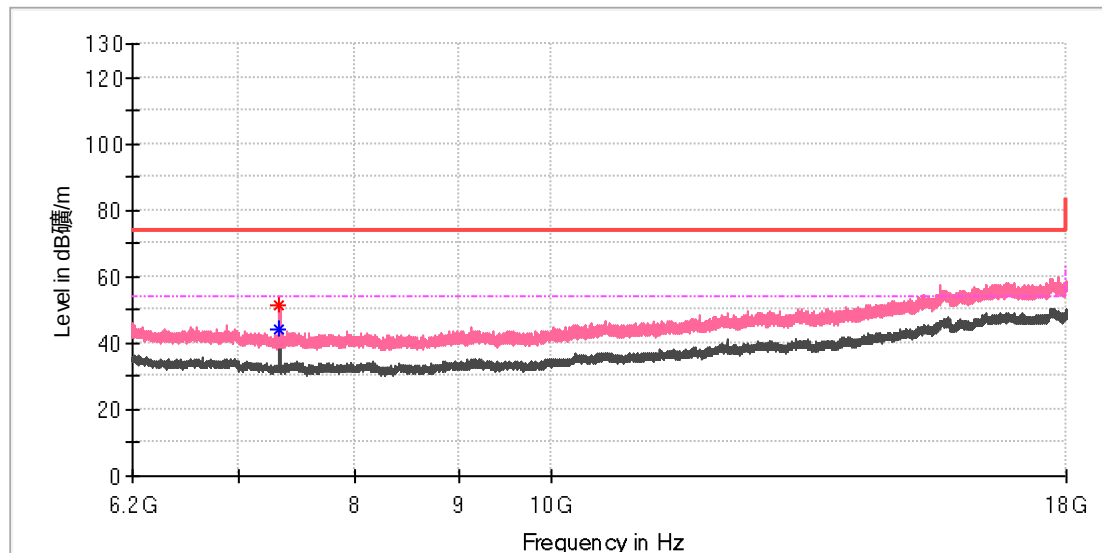
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7333.291667     | 49.78            | ---              | 74.00          | 24.22       | 100.0       | H   | 0.0           | 8.1          |
| 7333.291667     | ---              | 42.70            | 54.00          | 11.30       | 100.0       | H   | 0.0           | 8.1          |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Mid CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

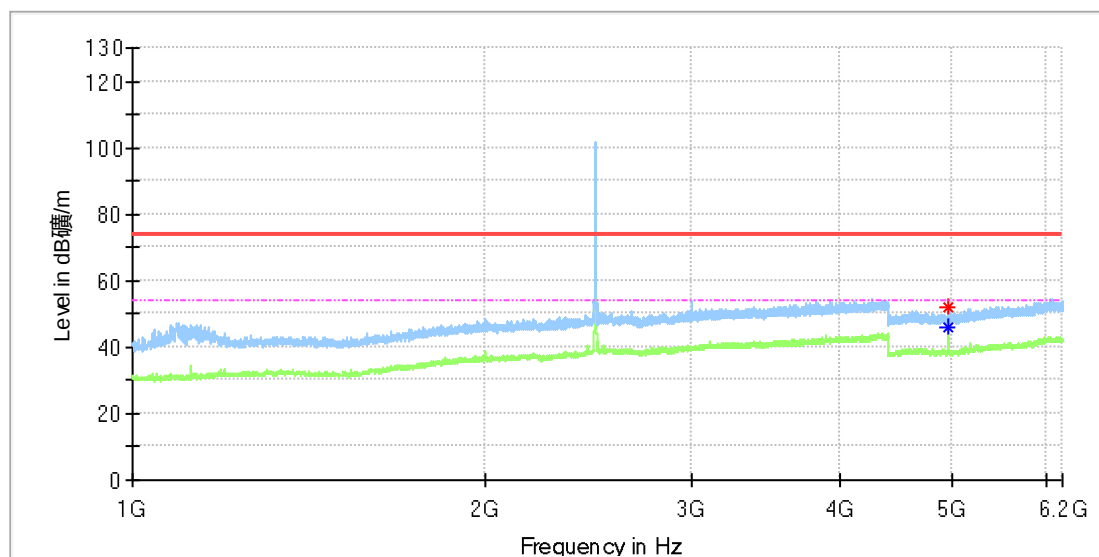
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7333.291667     | 51.25            | ---              | 74.00          | 22.75       | 100.0       | V   | 0.0           | 8.1          |
| 7333.291667     | ---              | 44.08            | 54.00          | 9.92        | 100.0       | V   | 0.0           | 8.1          |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee High CH                              |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

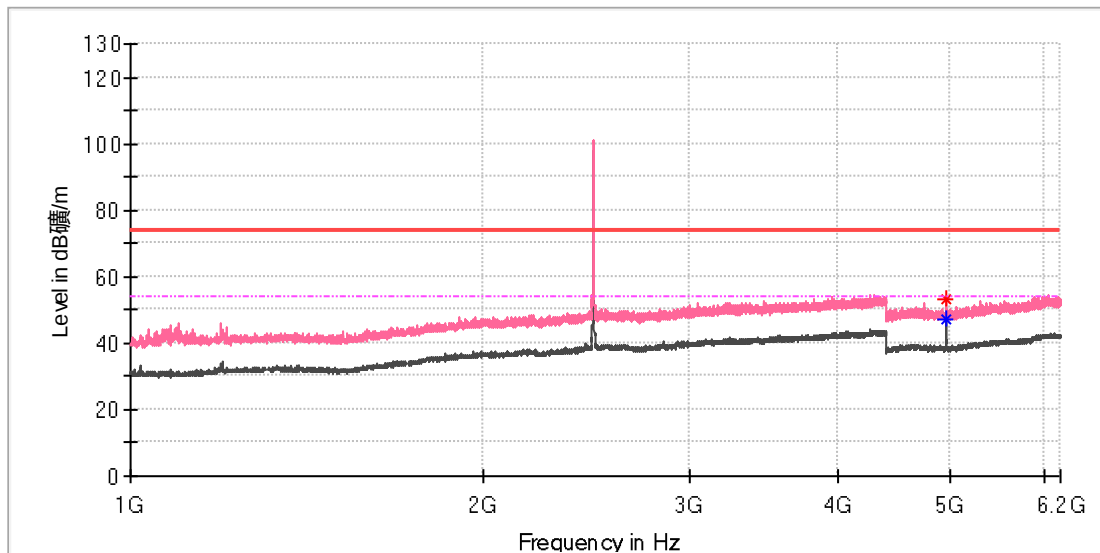
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4959.000000     | 52.25            | ---              | 74.00          | 21.75       | 100.0       | H   | 95.0          | 11.8         |
| 4962.500000     | ---              | 45.65            | 54.00          | 8.35        | 100.0       | H   | 318.0         | 11.8         |

## Final\_Result

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

## EUT Information

EUT Name: Zigbee Green Power Device - 4 button Switch  
Model: SWS201  
Test Mode: Zigbee High CH  
Order No/Sample No: 168459887/A003631937-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247, RSS-247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

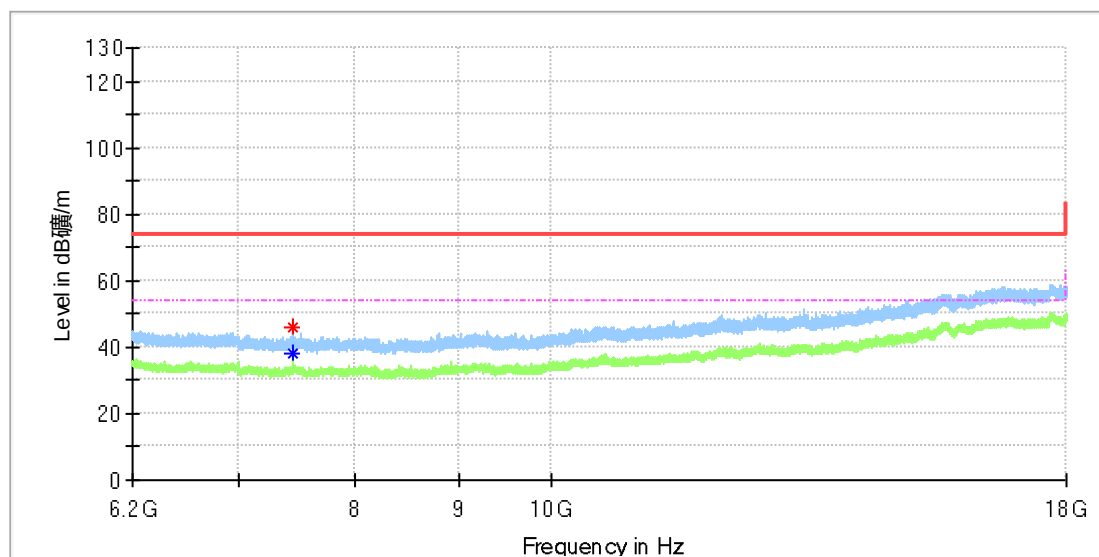
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4962.500000     | ---              | 46.90            | 54.00          | 7.10        | 100.0       | V   | 171.0         | 11.8         |
| 4963.000000     | 52.91            | ---              | 74.00          | 21.09       | 100.0       | V   | 176.0         | 11.8         |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee High CH                              |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

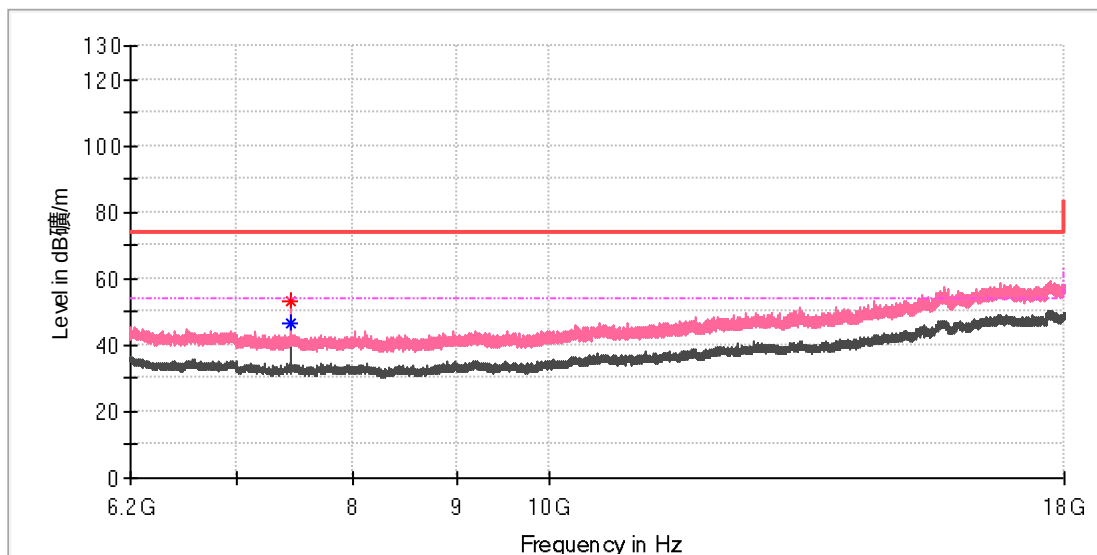
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7440.475000     | 45.69            | ---              | 74.00          | 28.31       | 100.0       | H   | 149.0         | 8.4          |
| 7441.458333     | ---              | 37.87            | 54.00          | 16.13       | 100.0       | H   | 186.0         | 8.4          |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee High CH                              |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7438.508333     | 53.43            | ---              | 74.00          | 20.57       | 100.0       | V   | 4.0           | 8.4          |
| 7438.508333     | ---              | 46.34            | 54.00          | 7.66        | 100.0       | V   | 4.0           | 8.4          |

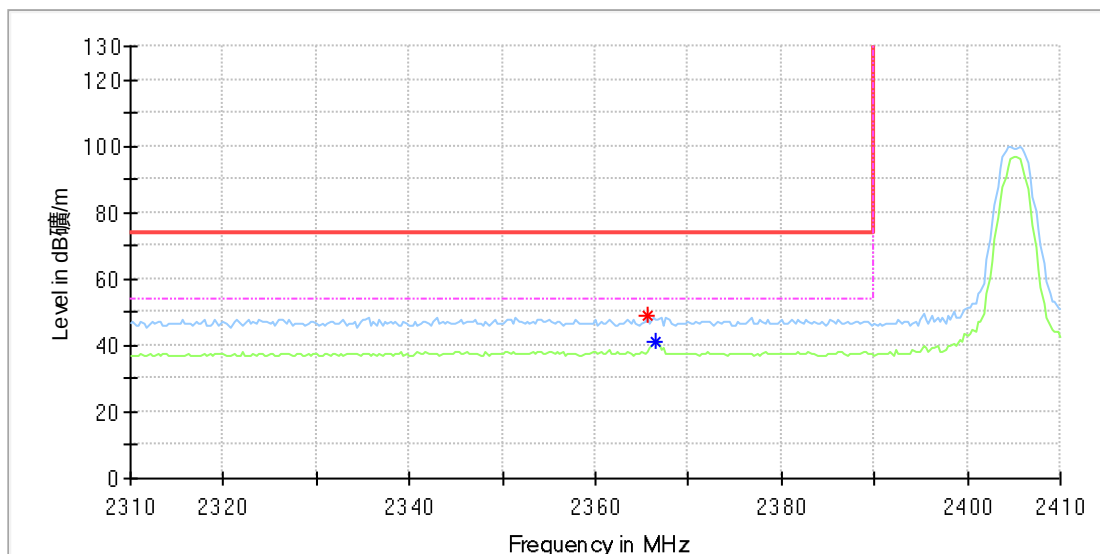
## Final\_Result

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

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

### EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Low CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



### Critical Freqs

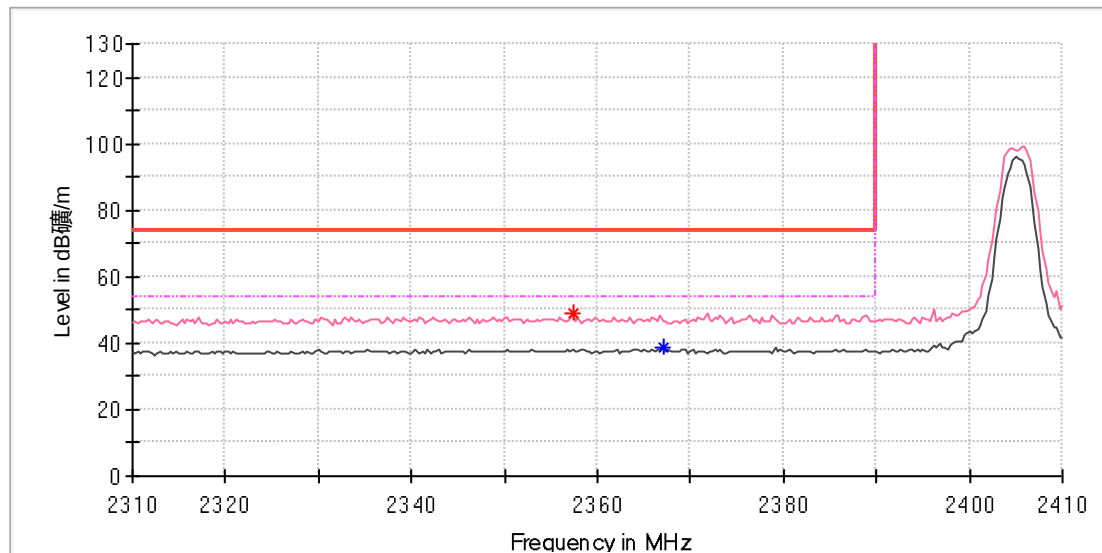
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2365.588235     | 48.74            | ---              | 74.00          | 25.26       | 100.0       | H   | 33.0          | 6.9          |
| 2366.470588     | ---              | 41.35            | 54.00          | 12.65       | 100.0       | H   | 33.0          | 6.9          |

### Final Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee Low CH                               |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

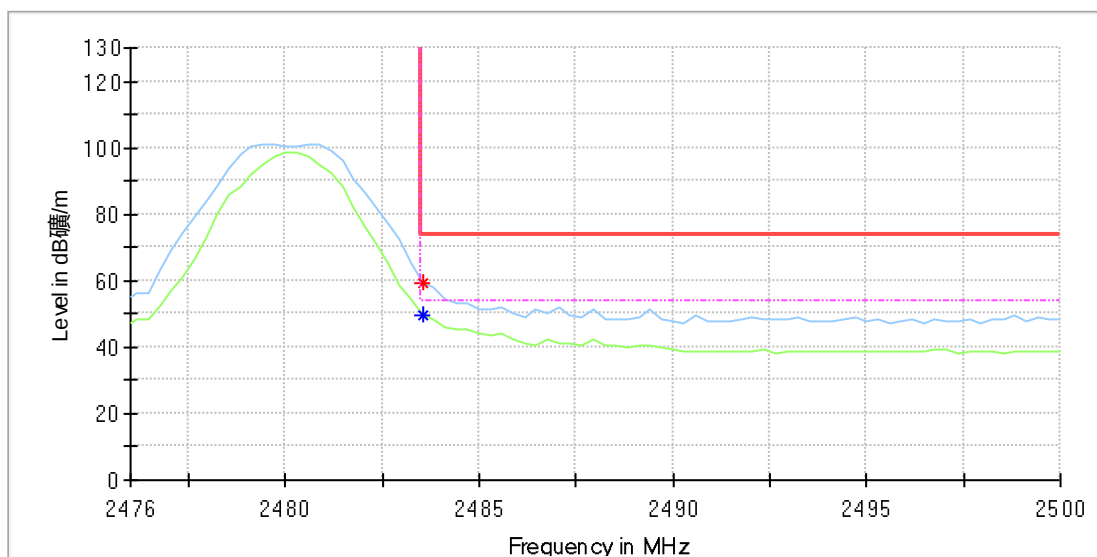
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2357.352941     | 49.21            | ---              | 74.00          | 24.79       | 100.0       | V   | 18.0          | 6.9          |
| 2367.058824     | ---              | 38.92            | 54.00          | 15.08       | 100.0       | V   | 1.0           | 6.9          |

## Final\_Result

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

## EUT Information

|                     |                                             |
|---------------------|---------------------------------------------|
| EUT Name:           | Zigbee Green Power Device - 4 button Switch |
| Model:              | SWS201                                      |
| Test Mode:          | Zigbee High CH                              |
| Order No/Sample No: | 168459887/A003631937-001                    |
| Test Voltage:       | Battery                                     |
| Remark:             | Temp 24 Humi:50%                            |
| Test Standard:      | FCC 15.247, RSS-247                         |
| Tested By:          | Kei Zhang                                   |
| Reviewed By:        | Terry Yin                                   |



## Critical\_Freqs

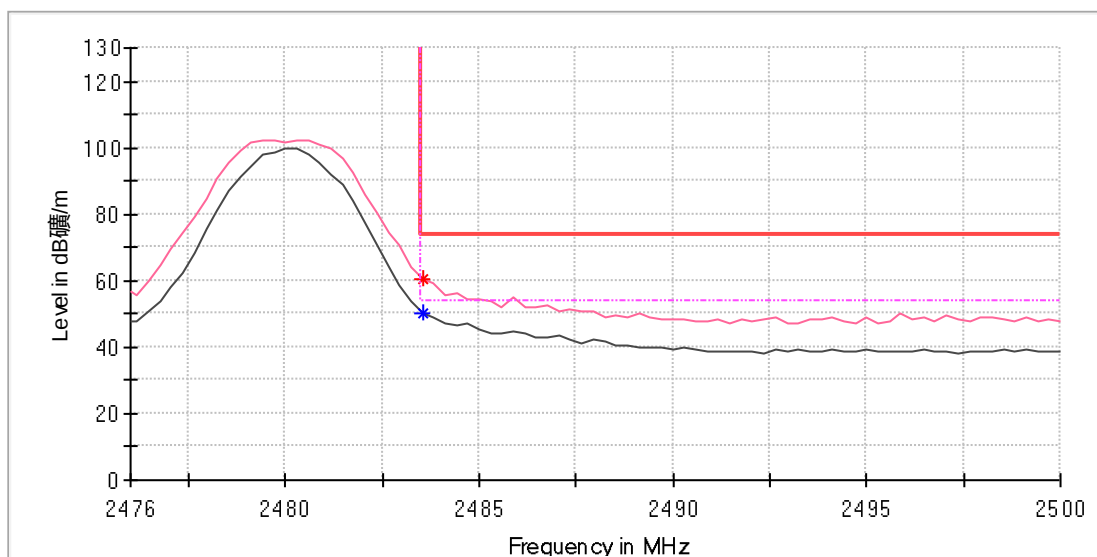
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | 59.43            | ---              | 74.00          | 14.57       | 100.0       | H   | 20.0          | 7.4          |
| 2483.529412     | ---              | 49.86            | 54.00          | 4.14        | 100.0       | H   | 20.0          | 7.4          |

## Final\_Result

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

## EUT Information

EUT Name: Zigbee Green Power Device - 4 button Switch  
Model: SWS201  
Test Mode: Zigbee High CH  
Order No/Sample No: 168459887/A003631937-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247, RSS-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     | 60.21            | ---              | 74.00          | 13.79       | 100.0       | V   | 201.0         | 7.4          |
| 2483.529412     | ---              | 50.43            | 54.00          | 3.57        | 100.0       | V   | 201.0         | 7.4          |

## Final\_Result

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