# Appendix for Test report

## Appendix A: DTS (6 dB) Bandwidth

Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix B: Occupied Bandwidth

Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix C: Duty Cycle

Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix D: Maximum Average Output Power

Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix E: Maximum Power Spectral Density Level

Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix F: Band Edges Compliance

Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

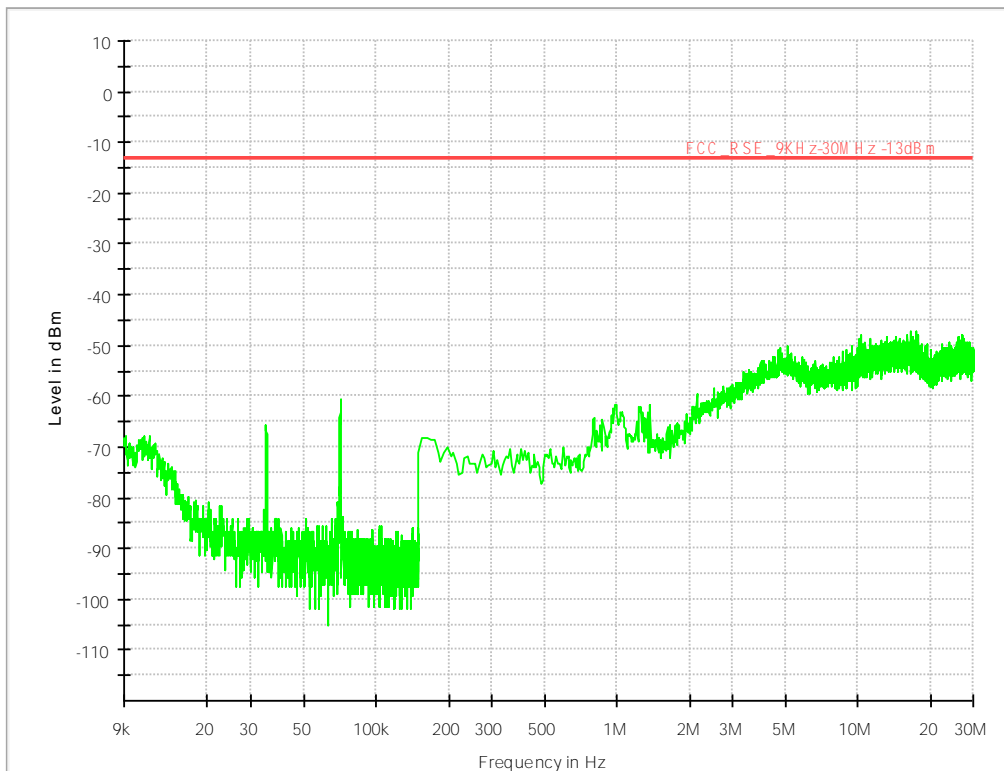Refer to No. SYBH(Z-RF)20181114019001-2004

## Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note 1: For adding Wireless charging protective case we only tested the RSE of the worst

case, other data refer to No. SYBH(Z-RF)20181114019001-2004

Note 2: We tested in two modes, mode 1 is adaptor + Wireless Charging Case and mode 2 is

adaptor + Wireless charging charger+ Wireless Charging Case, and the data presented below

is the worst case (mode 1).

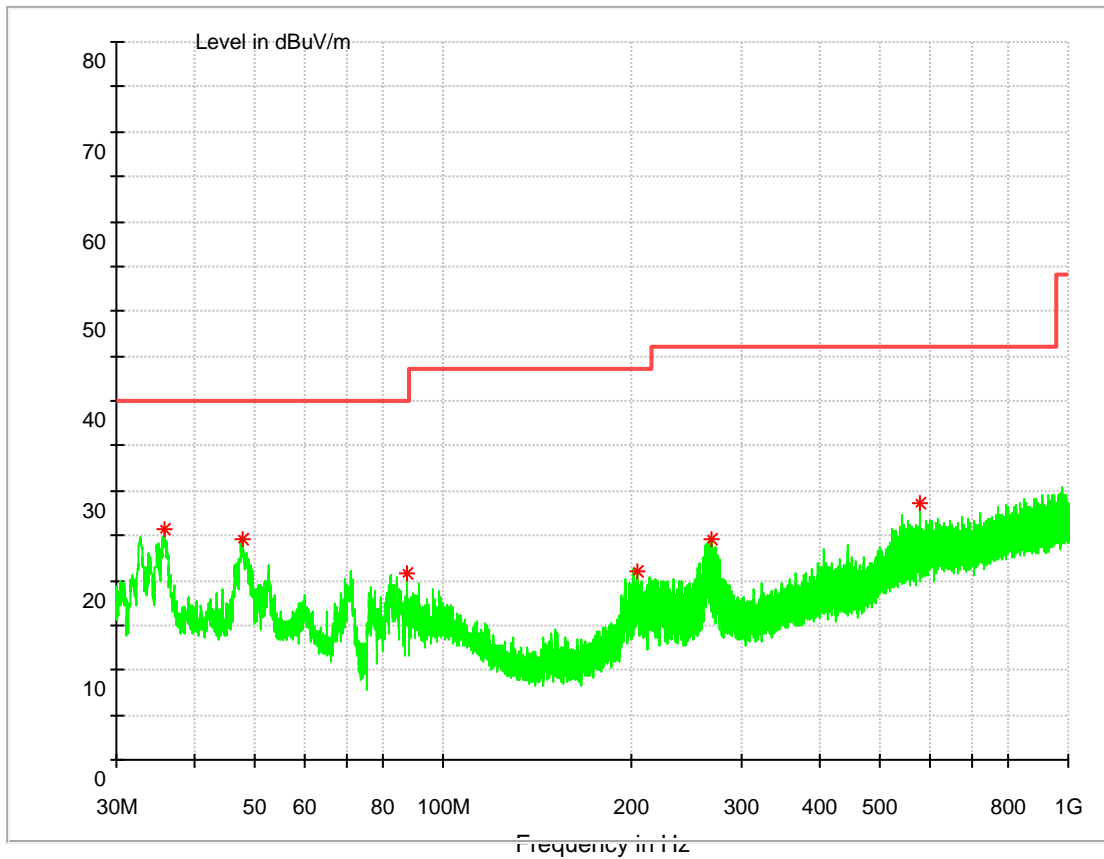### 1.1    Part 1: Testing Range of "9 kHz to 30MHz"

Note 1: The test results and plot for testing range of "9 kHz to 30 MHz" showed as below is
       the WORST case for all Test Modes and Channels. This range will not be presented
       for each Test Mode and each Channel.

### 1.2 Part 2: Testing Range of "30 MHz to 1 GHz"

Note 1:    The test results and plot for testing range of "30 MHz to 1 GHz" showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2:    The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|---|---|---|---|---|---|---|---|
| 35.787667 | 25.68 | 40.00 | 14.32 | 100.0 | V | 0.0 | 13.2 |
| 47.783333 | 24.56 | 40.00 | 15.44 | 100.0 | V | 220.0 | 14.2 |
| 87.424000 | 20.82 | 40.00 | 19.18 | 100.0 | V | 134.0 | 12.2 |
| 203.985667 | 20.89 | 43.50 | 22.61 | 100.0 | H | 311.0 | 12.3 |
| 267.876333 | 24.52 | 46.00 | 21.48 | 100.0 | H | 97.0 | 14.1 |

| 577.015333 | 28.52 | 46.00 | 17.48 | 100.0 | V | 19.0 | 20.4 |

Note:

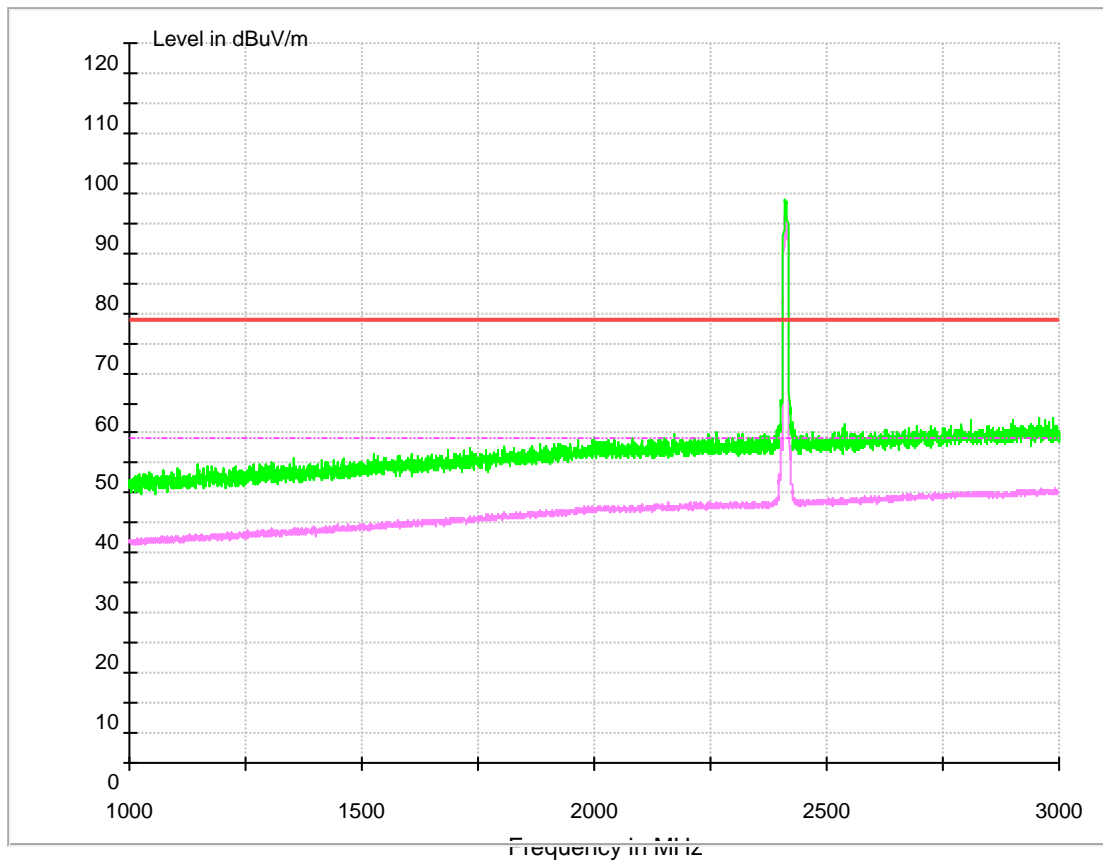1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.
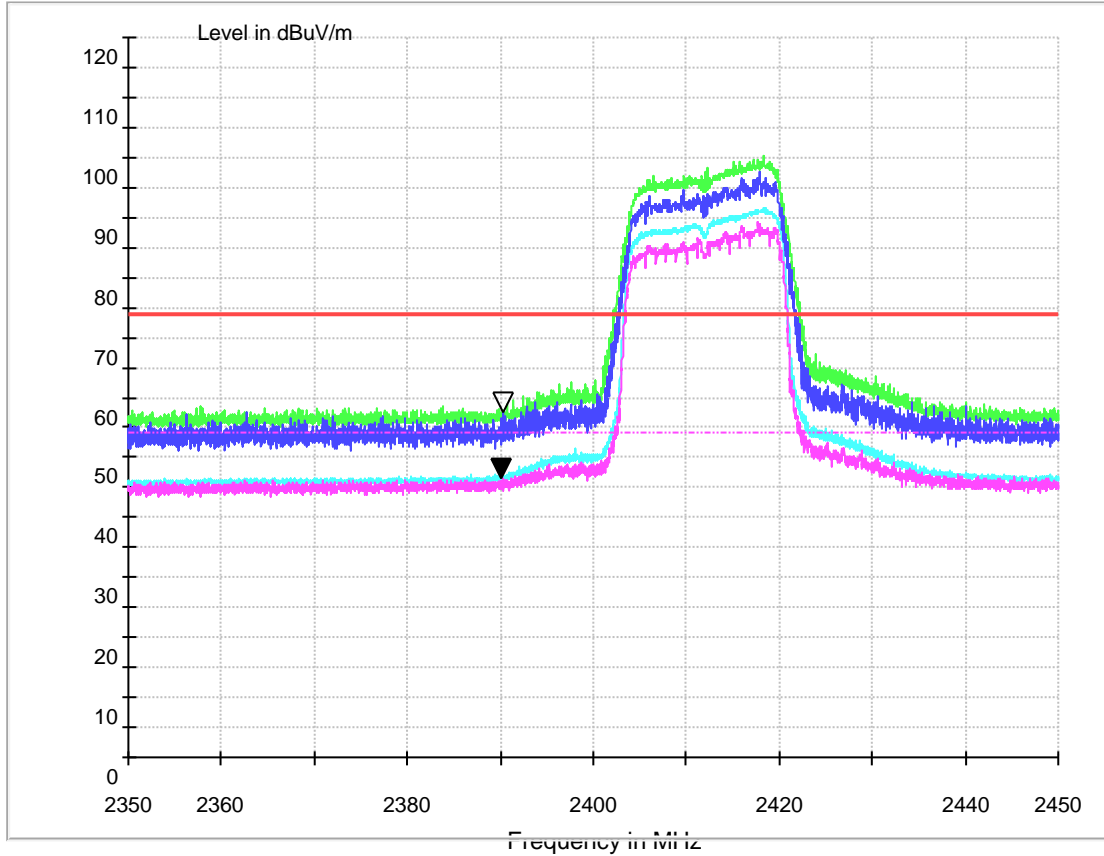
2, Margin=Limit – Level

### 1.3 Part 3: Testing Range of "1 GHz to 3 GHz"

Note 1:     The testing range of "1 GHz to 3 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2:     Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).

Note 3:     The peak spike exceeds the limit line is EUT's operating frequency.

#### 3.1.1.1 Test Mode: 11G

### 3.1.1.1.1　Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

| Frequency | Level | Limit | Margin | Height | Pol | Azimut | Transd. |
|-----------|-------|-------|--------|--------|-----|--------|---------|
| 2390 | 46.870 | 54.00 | 7.130 | 150.0 | H | 87.0 | -6.8 |

MEASUREMENT RESULT: PK Detector

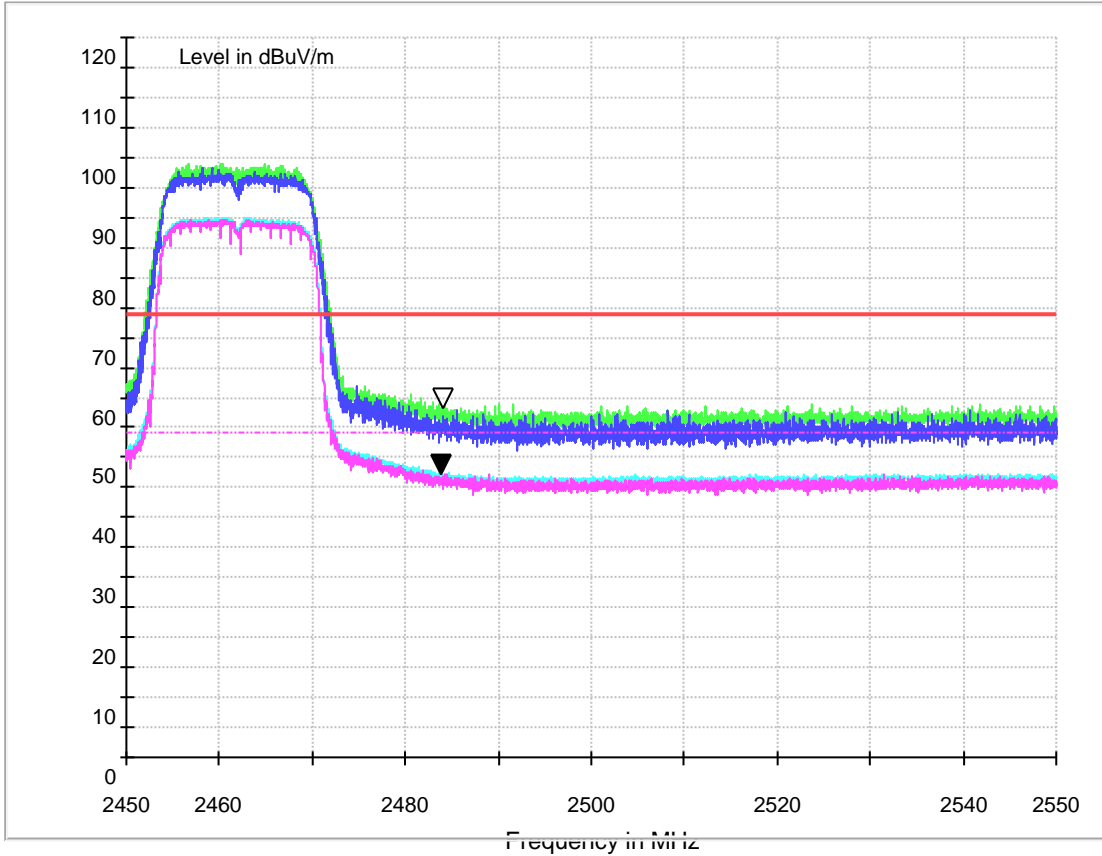| Frequency | Level | Limit | Margin | Height | Pol | Azimut | Transd. |
|-----------|-------|-------|--------|--------|-----|--------|---------|
| 2390 | 57.683 | 74.00 | 16.317 | 150.0 | H | 87.0 | -6.8 |

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

### 3.1.1.1.2    Channel 11 @Ant 1



MEASUREMENT RESULT: AV Detector

| Frequency | Level | Limit | Margin | Height | Pol | Azimut | Transd. |
|-----------|-------|-------|--------|--------|-----|--------|---------|
| 2483.5 | 47.508 | 54.00 | 6.492 | 150.0 | H | 89.0 | -10.2 |

MEASUREMENT RESULT: PK Detector

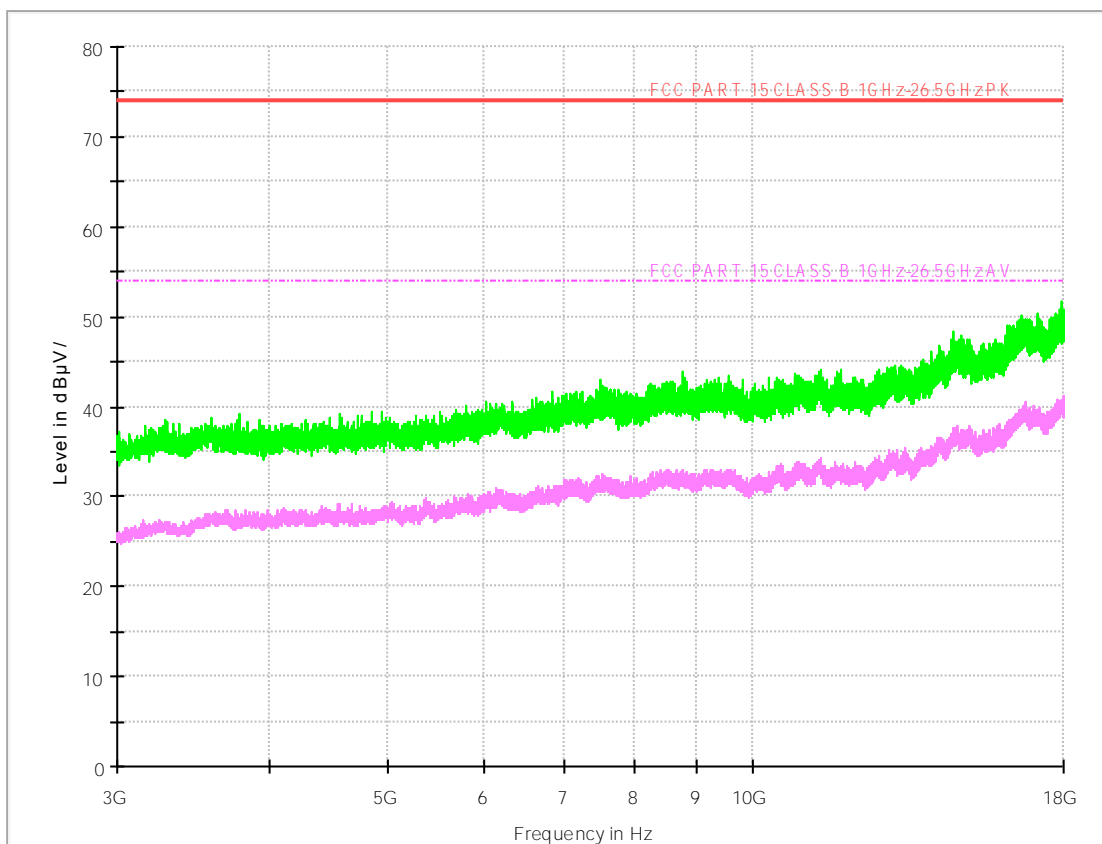| Frequency | Level | Limit | Margin | Height | Pol | Azimut | Transd. |
|-----------|-------|-------|--------|--------|-----|--------|---------|
| 2483.5 | 58.457 | 74.00 | 15.543 | 150.0 | H | 86.0 | -10.2 |

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.9.098
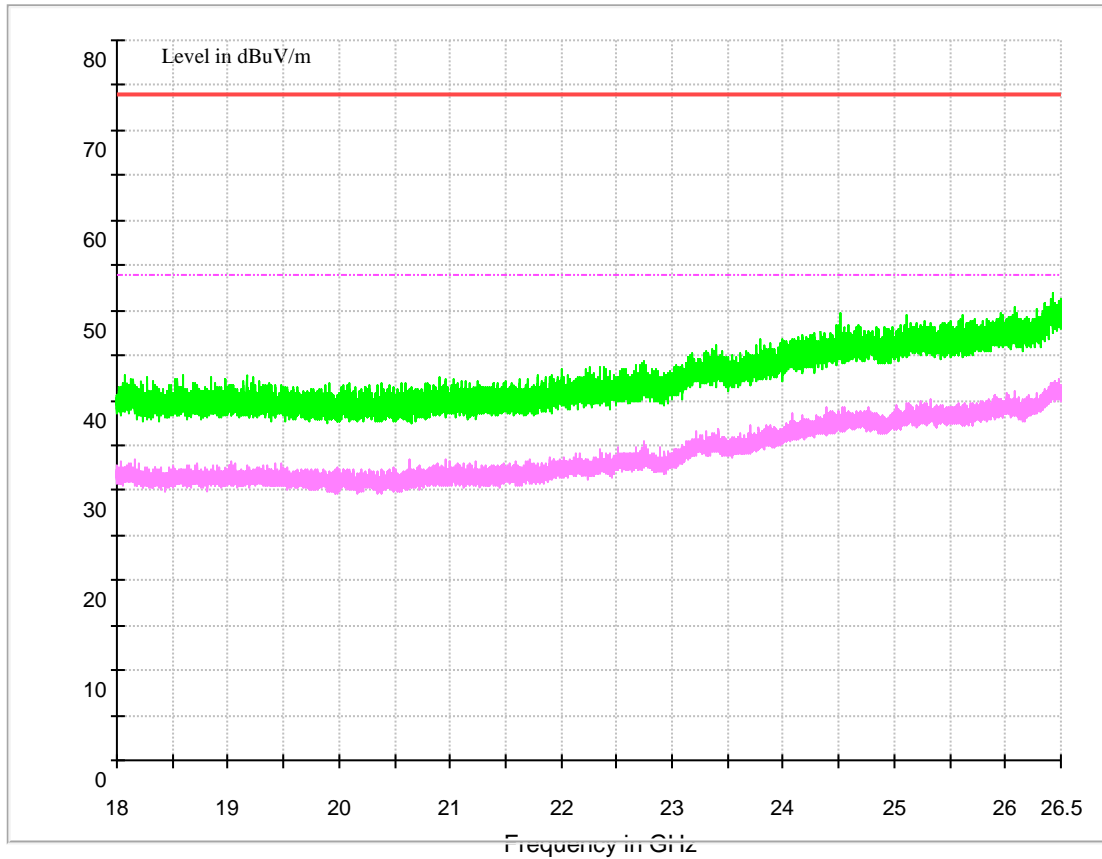
2, Margin=Limit - Level

### 1.4    Part 4: Testing Range of "3 GHz to 18 GHz"

Note 1:    The test results and plot for testing range of "3 GHz to 18 GHz" showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2:    The testing range of "3 GHz to 18 GHz" is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3:    Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).

### 1.5    Part 5: Testing Range of "18 GHz to 26.5 GHz"

Note 1:    The test results and plot for testing range of "18 GHz to 26.5 GHz" showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2:    The testing range of "18 GHz to 26.5 GHz" is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3:    Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).
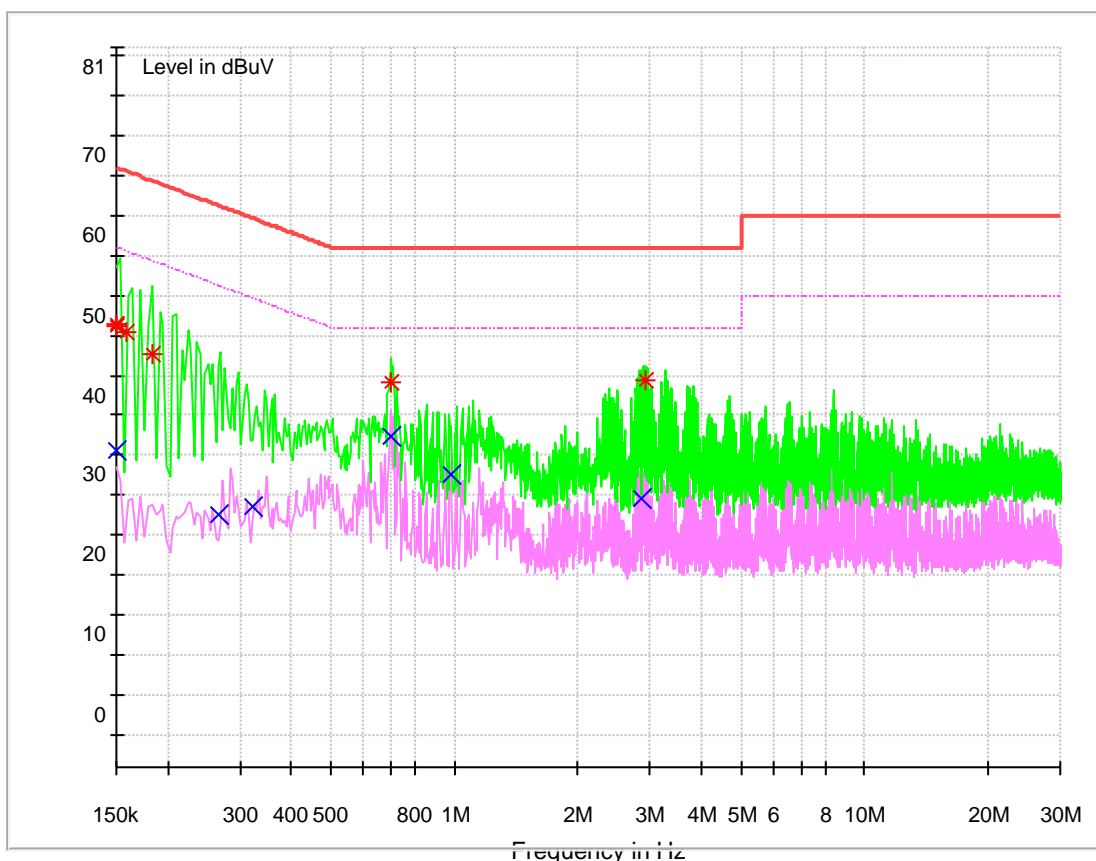
## Appendix I: Conducted Emission at Power Port

Note1: We tested in two modes, mode 1 is adaptor + Wireless Charging Case and mode 2 is

adaptor + Wireless charging charger+ Wireless Charging Case, and the data presented below

is the worst case (mode 1)

Note2: RBW =9 kHz, VBW = 30 kHz



**MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBµV) | Limit (dBµV) | Transd. (dB) | Margin (dB) | Line | PE |
|---|---|---|---|---|---|---|
| 0.150061 | 46.38 | 66.00 | 9.7 | 19.62 | L1 | FLO |
| 0.150414 | 46.04 | 65.98 | 9.7 | 19.94 | L1 | FLO |
| 0.159456 | 45.31 | 65.49 | 9.7 | 20.18 | N | FLO |
| 0.183064 | 42.55 | 64.35 | 9.7 | 21.80 | L1 | FLO |
| 0.703838 | 39.07 | 56.00 | 9.7 | 16.93 | L1 | FLO |

| 2.919435 | 39.27 | 56.00 | 10.4 | 16.73 | N | FLO |

**MEASUREMENT RESULT: AV Detector**

| Frequency (MHz) | Level (dBµV) | Limit (dBµV) | Transd. (dB) | Margin (dB) | Line | PE |
|---|---|---|---|---|---|---|
| 0.150759 | 30.71 | 55.96 | 9.7 | 25.25 | N | FLO |
| 0.267153 | 22.66 | 51.21 | 9.7 | 28.55 | L1 | FLO |
| 0.321336 | 23.58 | 49.67 | 9.7 | 26.09 | L1 | FLO |
| 0.699808 | 32.31 | 46.00 | 9.7 | 13.69 | N | FLO |
| 0.980861 | 27.65 | 46.00 | 9.7 | 18.35 | L1 | FLO |
| 2.847807 | 24.50 | 46.00 | 10.4 | 21.50 | L1 | FLO |

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

END