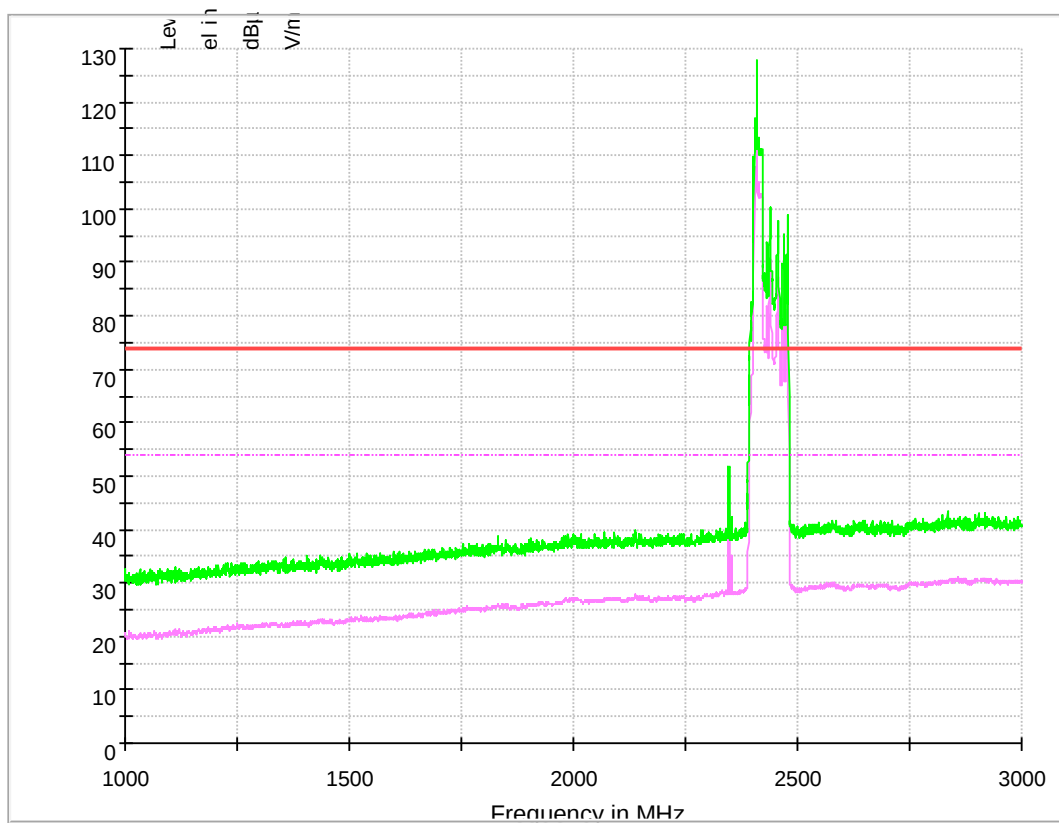


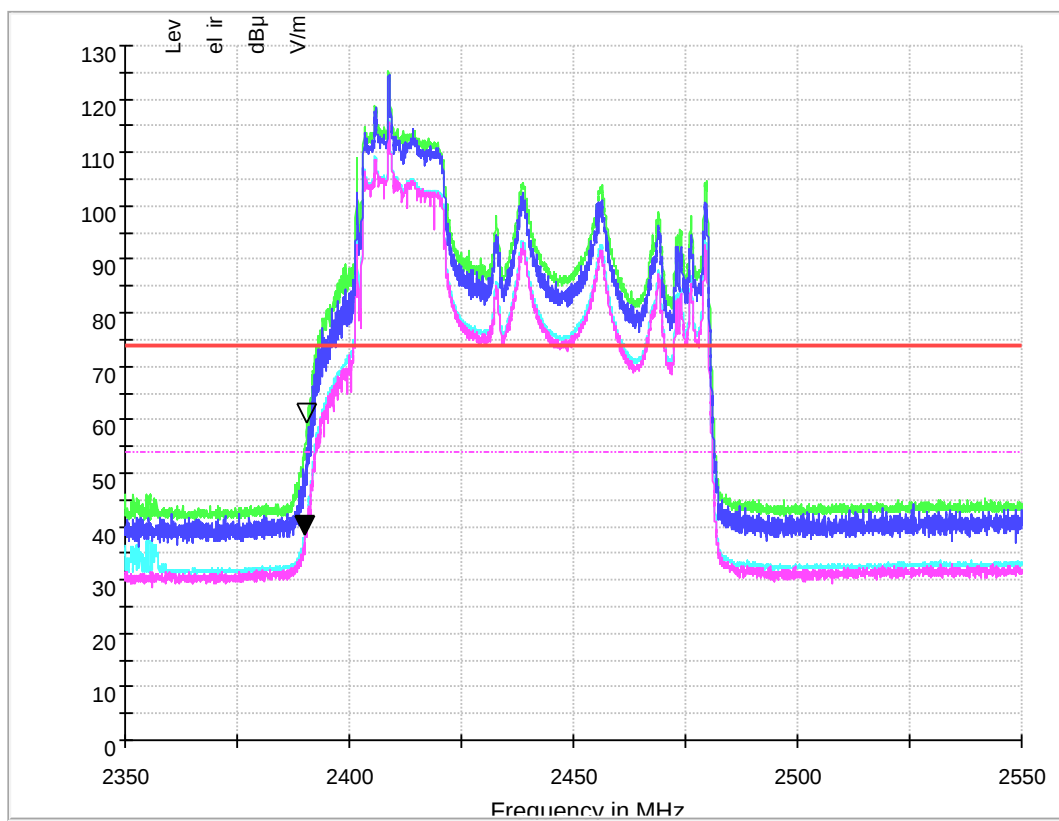


### 1.3.3 Test Mode: 11N20





### 1.3.3.1 Channel 1 @Ant 0



MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.72         | 59.784         | 74.00          | 14.216      | 150         | V   | 285           | -7.1         |

MEASUREMENT RESULT: AV Detector

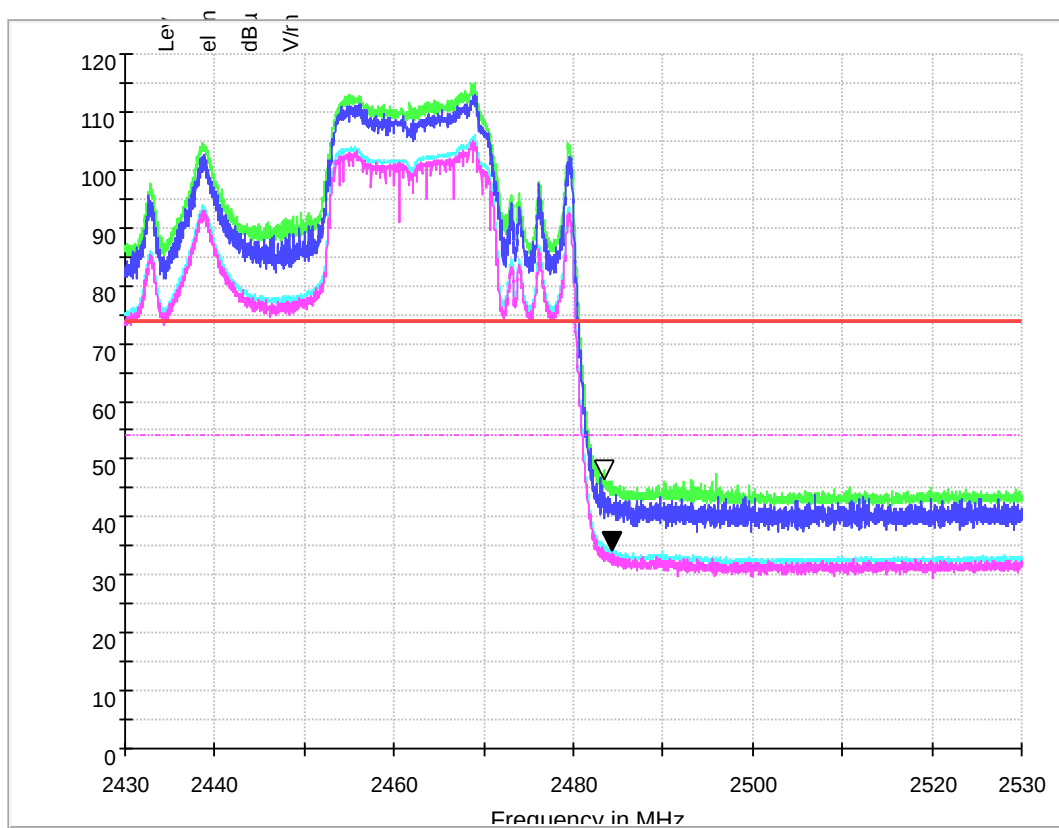
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.04         | 38.907         | 54.00          | 15.093      | 150         | V   | 285           | -7.1         |

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

**1.3.3.2 Channel 11 @Ant 0****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.52         | 46.803         | 74.00          | 27.197      | 150         | V   | 0             | -5.4         |

**MEASUREMENT RESULT: AV Detector**

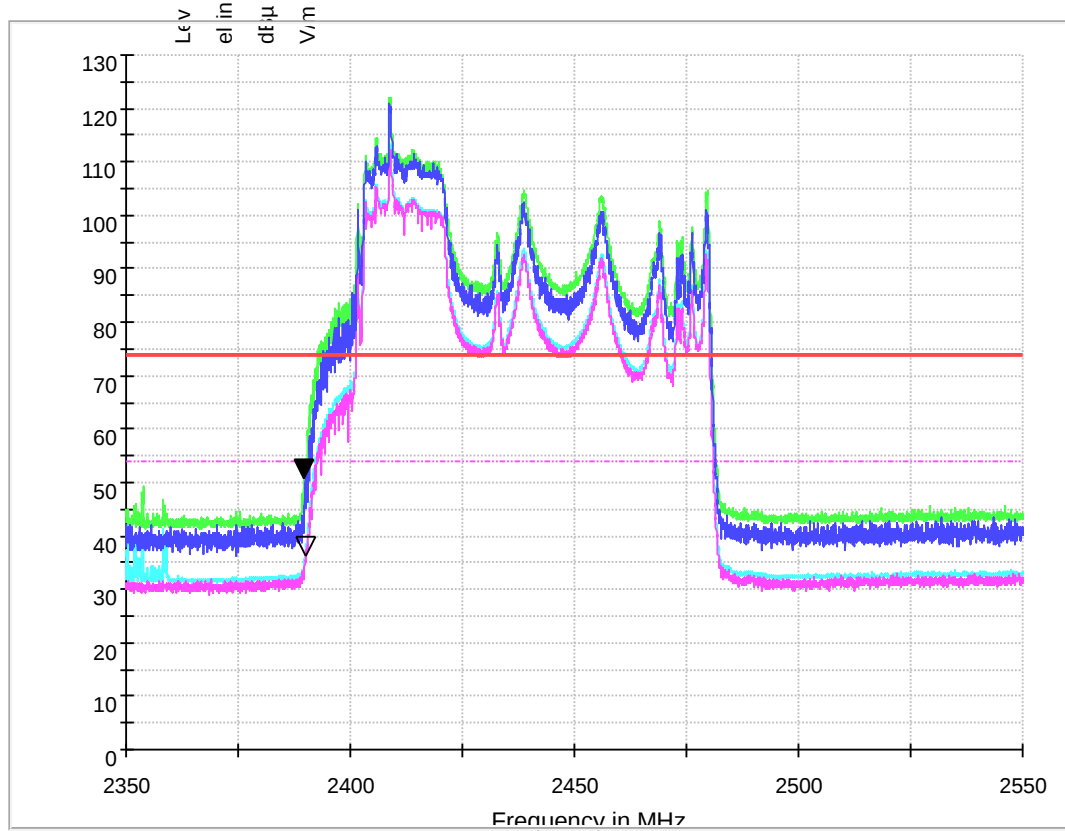
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.30         | 34.459         | 54.00          | 19.541      | 150         | V   | 0             | -5.4         |

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

**1.3.3.3 Channel 1 @Ant 1****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth h (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|-----------------|--------------|
| 2389.76         | 51.034         | 74.00          | 22.966      | 150         | V   | 50              | -7.1         |

**MEASUREMENT RESULT: AV Detector**

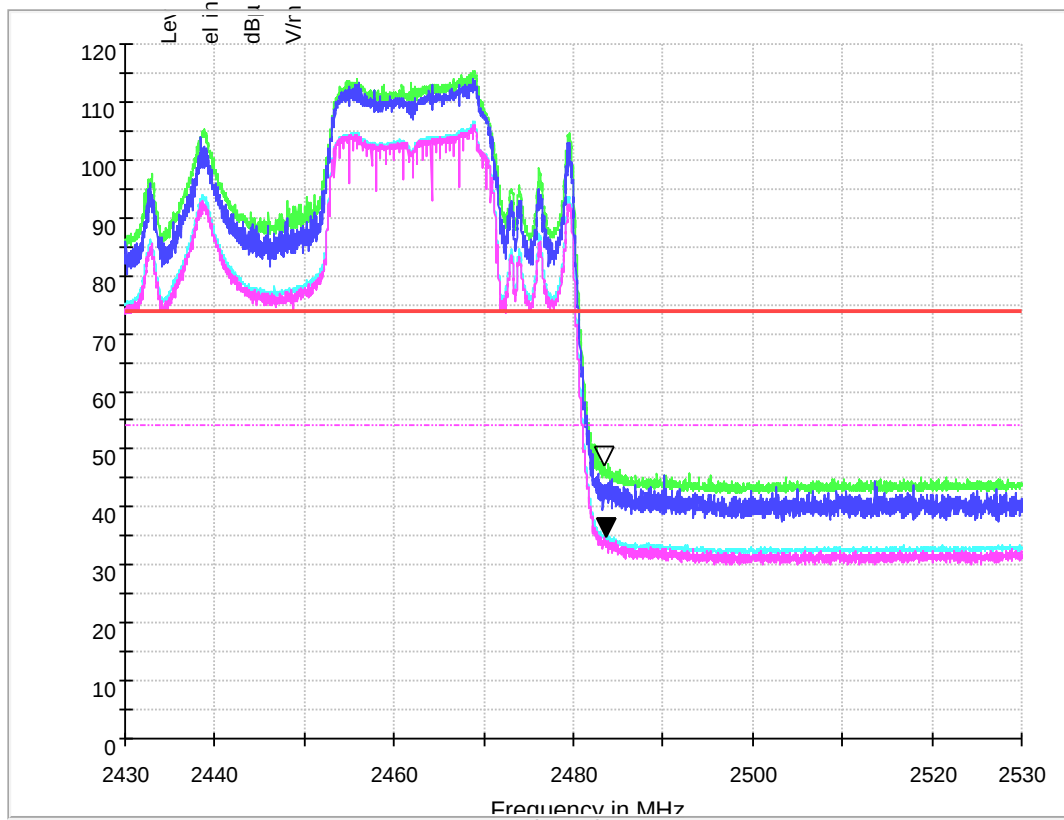
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth h | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|-----------|--------------|
| 2390.00         | 36.475         | 54.00          | 17.525      | 150         | V   | 50        | -7.1         |

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

**1.3.3.4 Channel 11 @Ant 1****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.52         | 47.599         | 74.00          | 26.401      | 150         | V   | 127           | -5.4         |

**MEASUREMENT RESULT: AV Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.50         | 35.103         | 54.00          | 18.897      | 153         | V   | 127           | -5.4         |

Note:

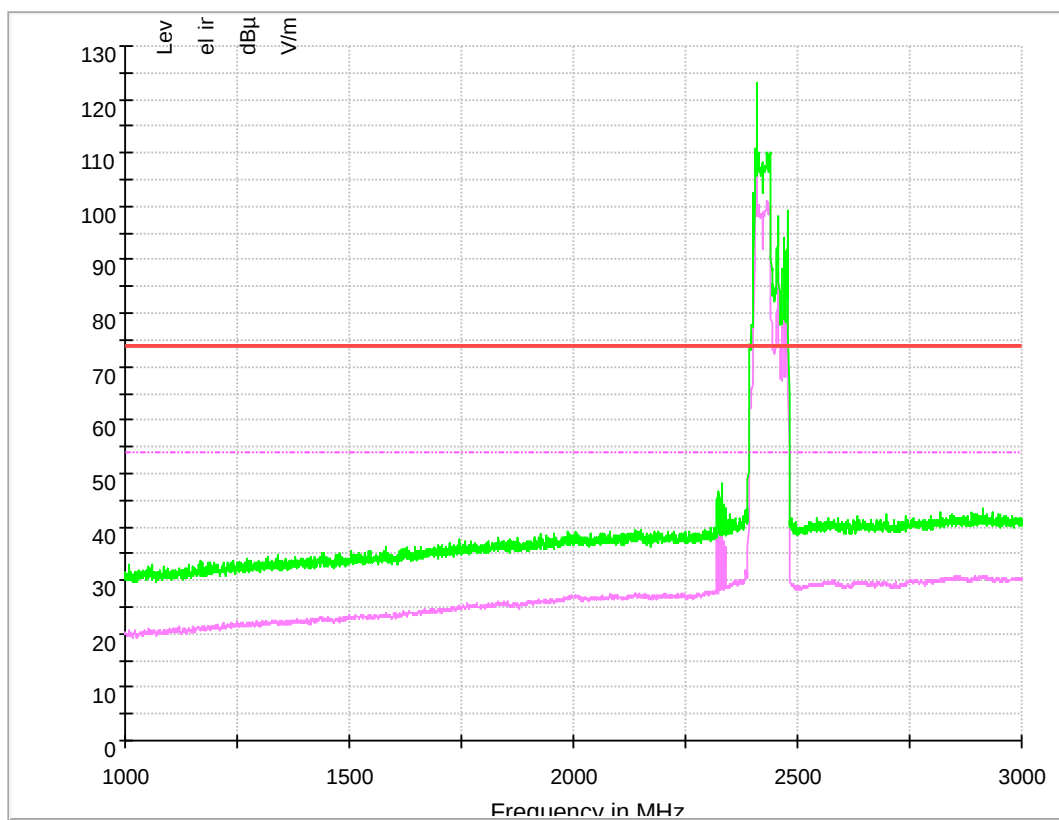
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

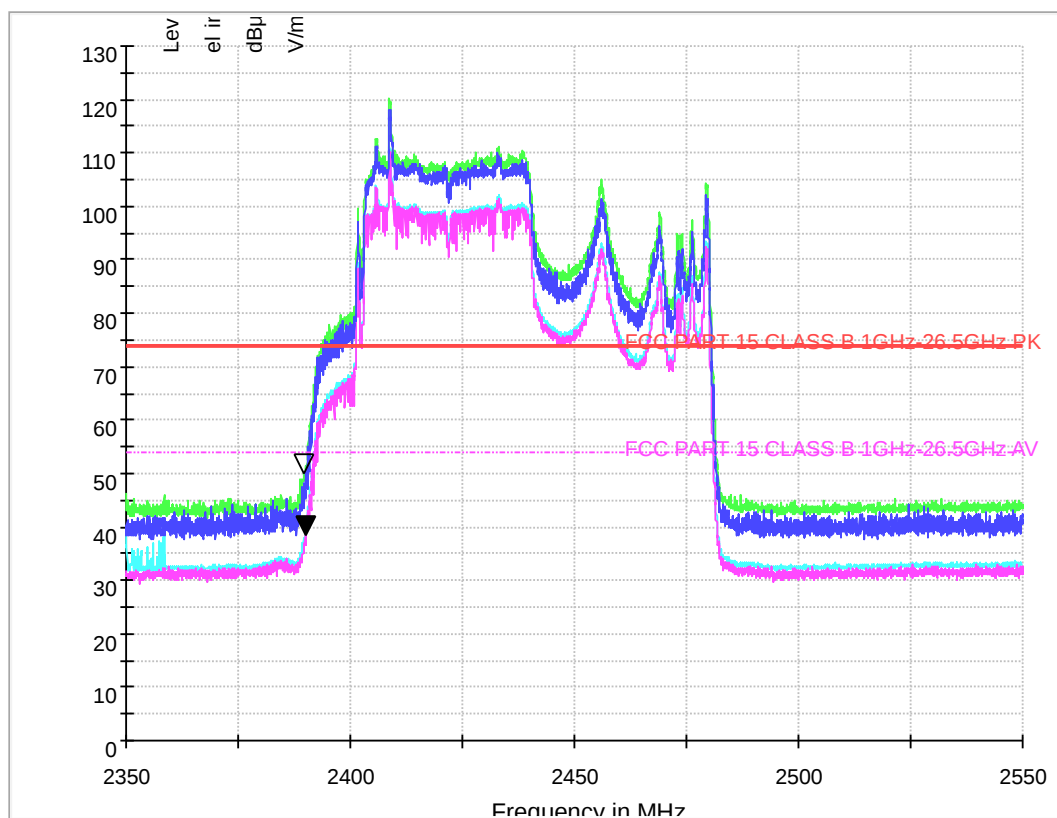
The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level



### 1.3.4 Test Mode: 11N40



**1.3.4.1 Channel 3 @Ant 0****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.80         | 50.187         | 74.00          | 23.813      | 150         | V   | 290           | -7.1         |

**MEASUREMENT RESULT: AV Detector**

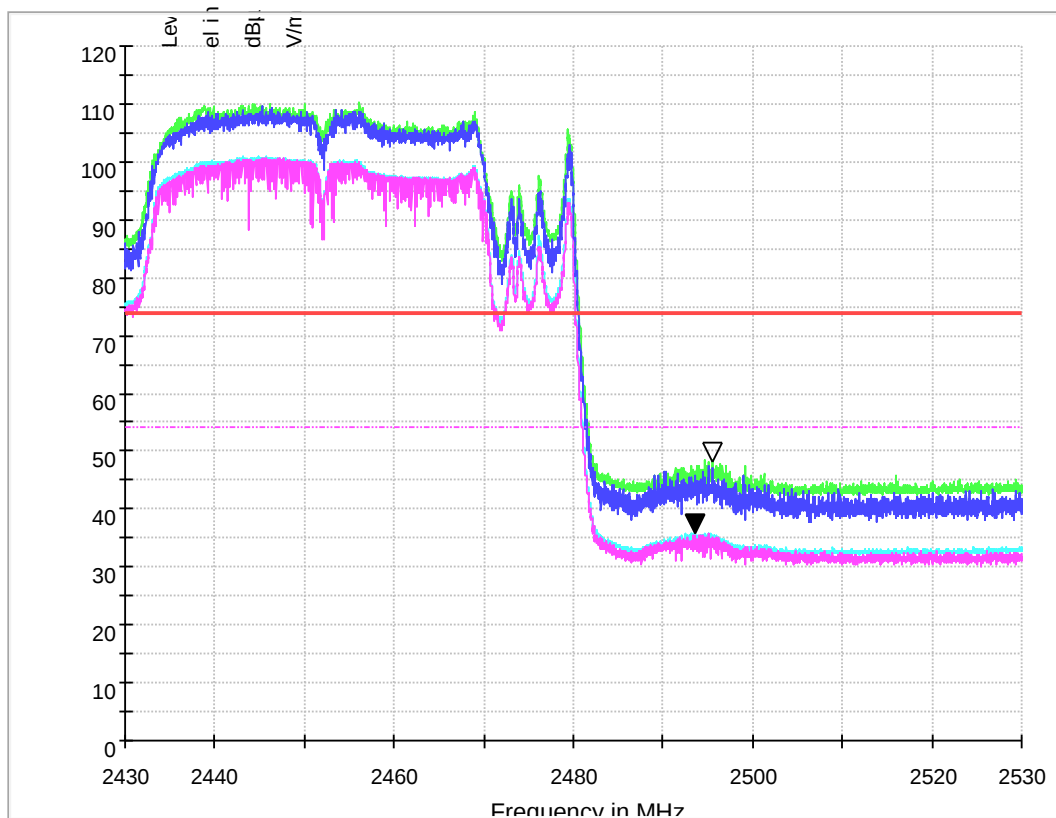
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 38.576         | 54.00          | 15.424      | 150         | V   | 290           | -7.1         |

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

**1.3.4.2 Channel 9 @Ant 0****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2495.60         | 48.538         | 74.00          | 25.462      | 150         | V   | 290           | -5.2         |

**MEASUREMENT RESULT: AV Detector**

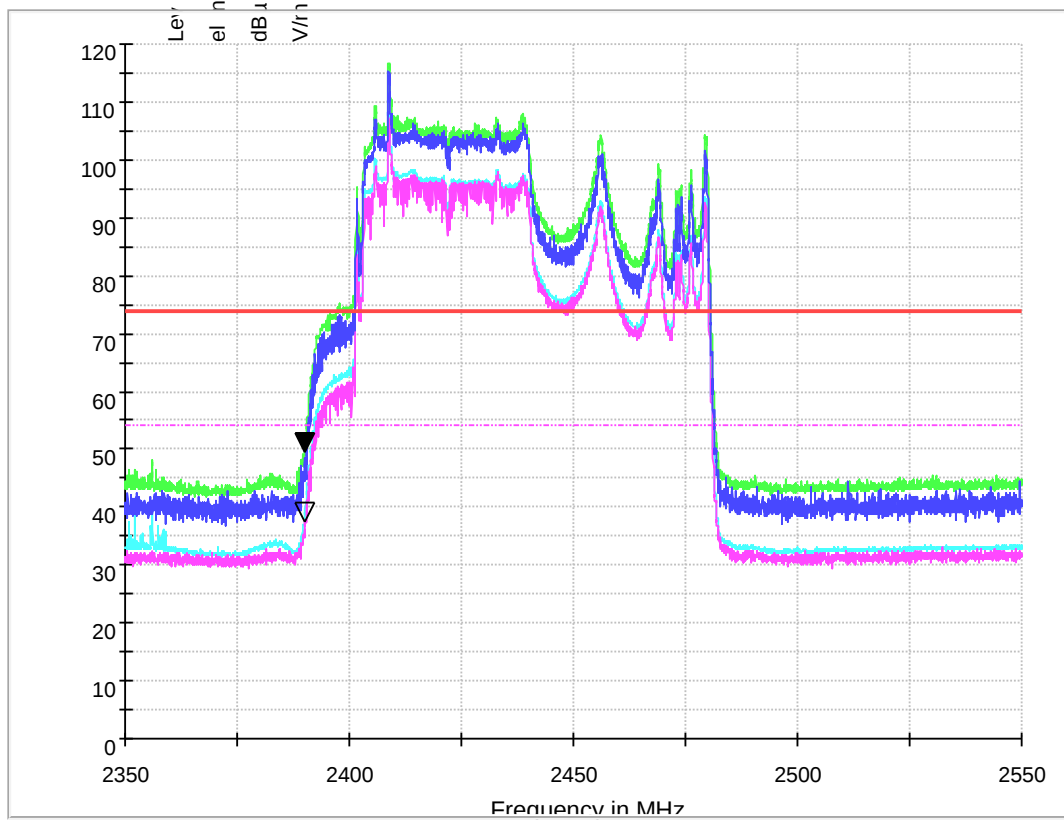
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2493.62         | 36.250         | 54.00          | 17.75       | 150         | V   | 290           | -5.2         |

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.

2, Margin = Limit – Level

**1.3.4.3 Channel 3 @Ant 1****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 49.841         | 74.00          | 24.159      | 150         | V   | 45            | -7.1         |

**MEASUREMENT RESULT: AV Detector**

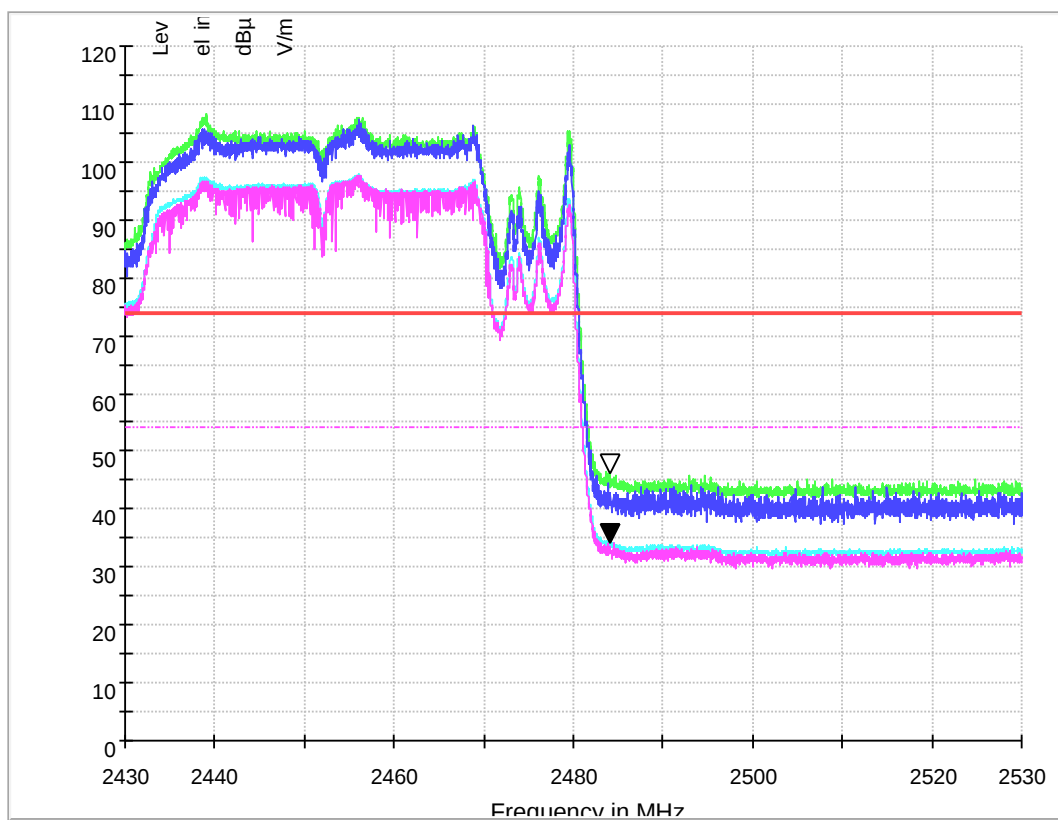
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 37.869         | 54.00          | 16.131      | 150         | V   | 45            | -7.1         |

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

**1.3.4.4 Channel 9@Ant 1****MEASUREMENT RESULT: PK Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimut h (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|----------------|--------------|
| 2484.04         | 46.367         | 74.00          | 27.633      | 150         | V   | 45             | -9.6         |

**MEASUREMENT RESULT: AV Detector**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimut h (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|----------------|--------------|
| 2484.06         | 34.275         | 54.00          | 19.725      | 150         | V   | 45             | -9.6         |

Note:

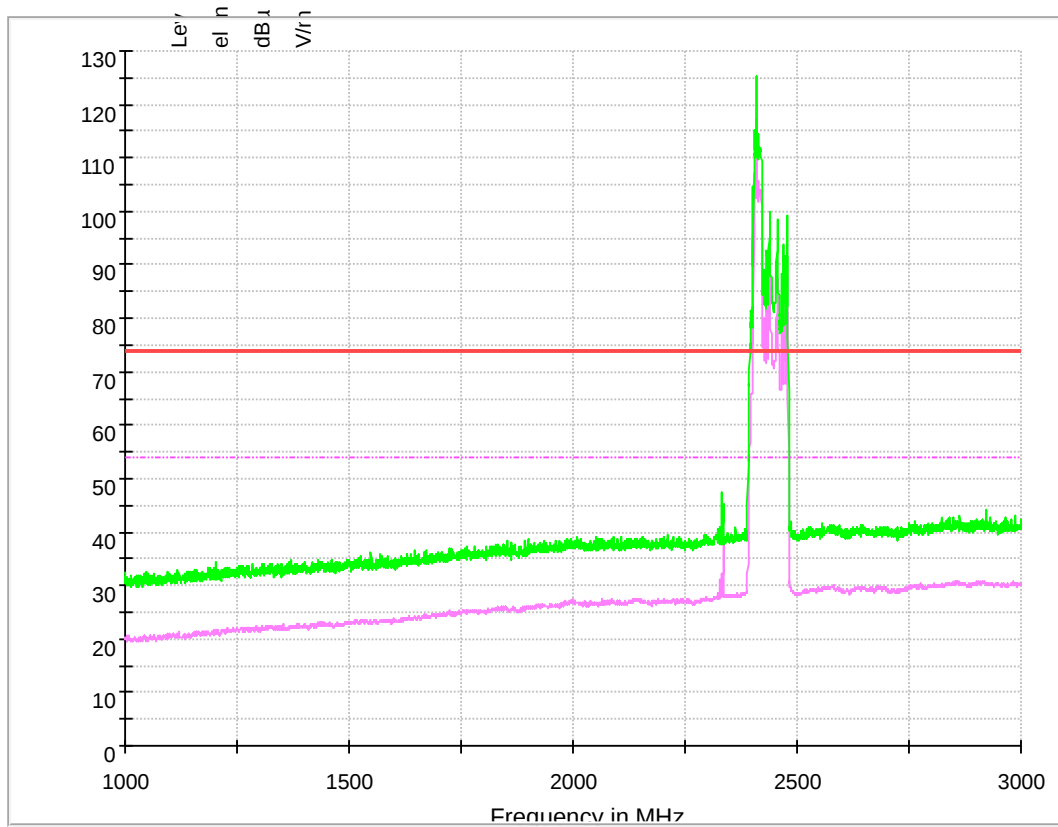
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit - Level

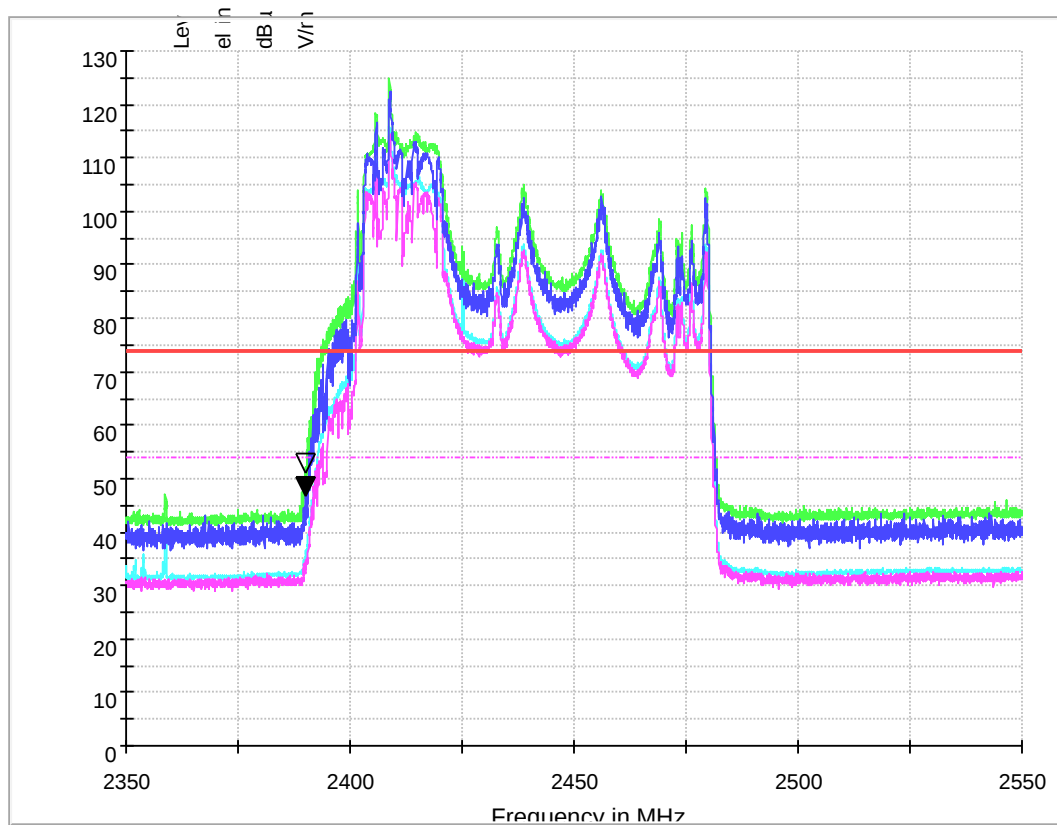


### 1.3.5 Test Mode: 11G CDD





### 1.3.5.1 Channel 1



#### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 51.560         | 74.00          | 22.44       | 150         | V   | 152           | -7.1         |

#### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 47.063         | 54.00          | 6.937       | 150         | V   | 152           | -7.1         |

Note:

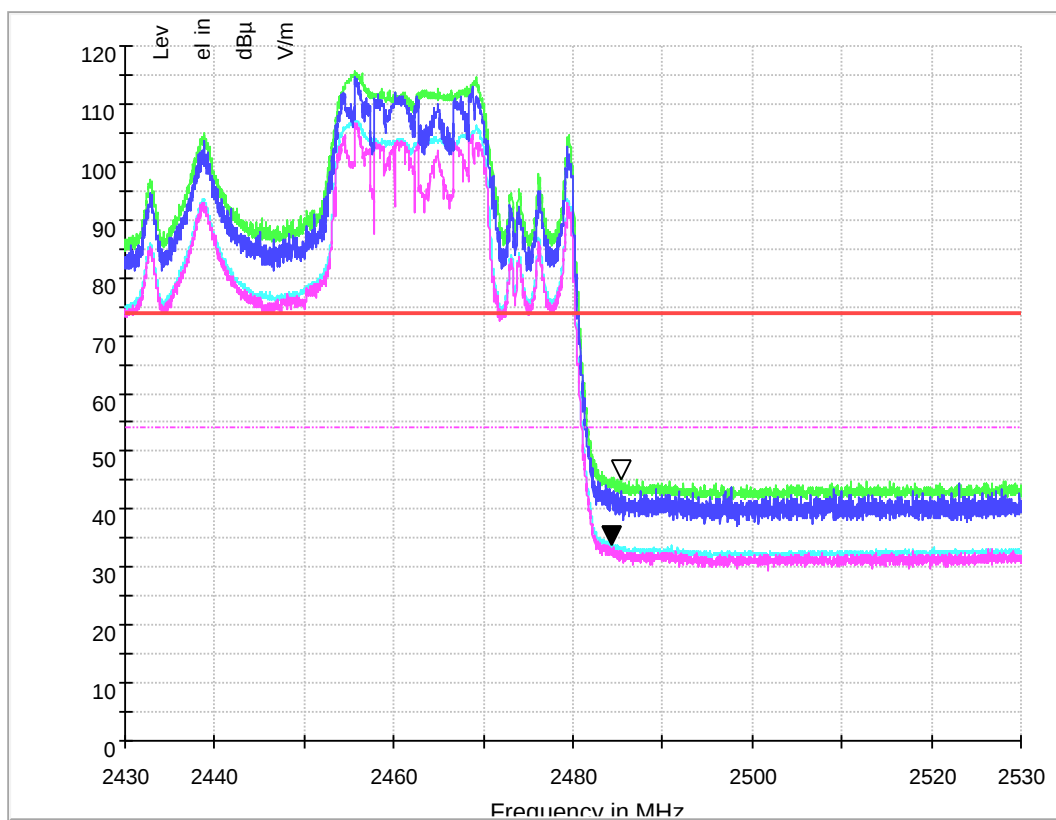
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit – Level



### 1.3.5.2 Channel 11



#### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.54         | 45.559         | 74.00          | 28.441      | 150         | V   | 150           | -5.4         |

#### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.26         | 34.150         | 54.00          | 19.85       | 150         | V   | 150           | -5.4         |

Note:

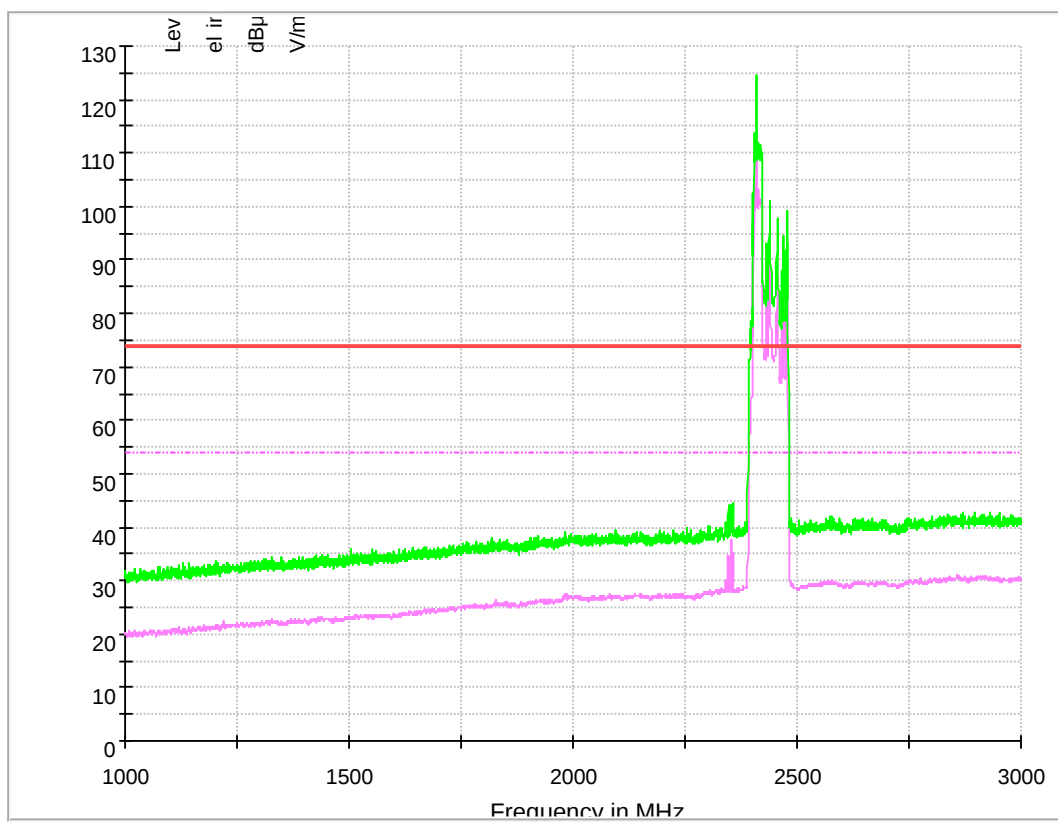
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit – Level

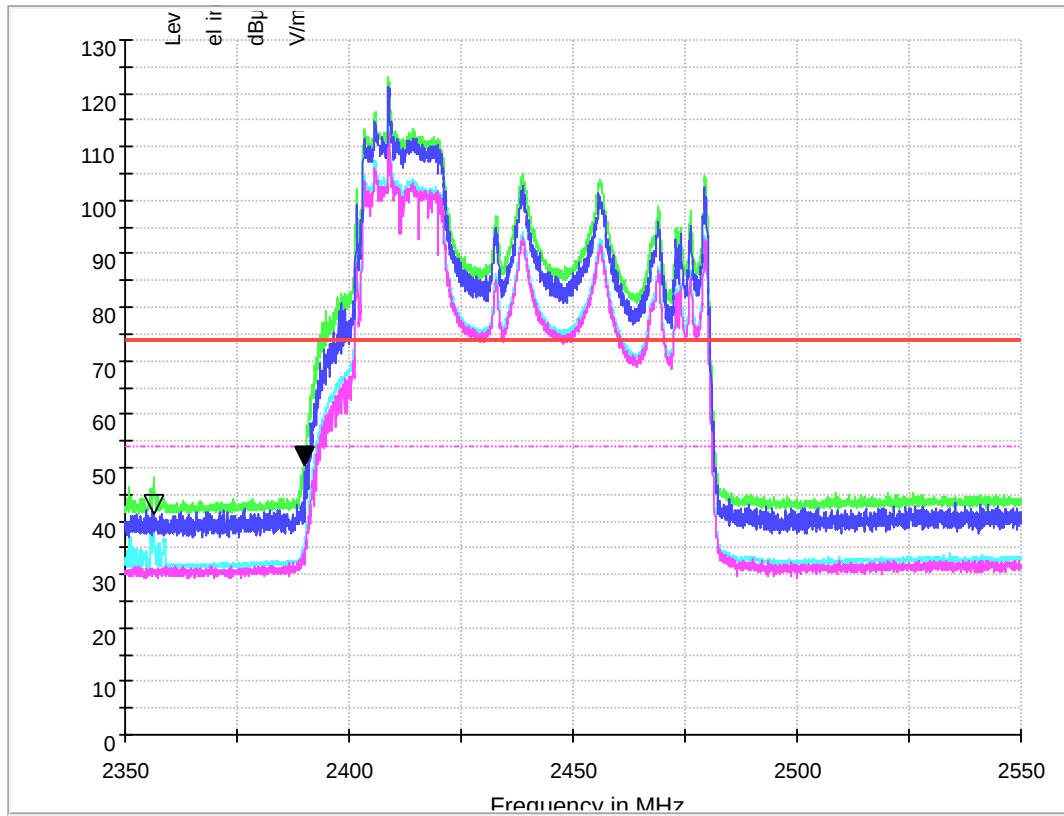


### 1.3.6 Test Mode: 11N20 MIMO





### 1.3.6.1 Channel 1



#### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 50.829         | 74.00          | 23.171      | 150         | V   | 360           | -7.1         |

#### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2356.40         | 41.582         | 54.00          | 12.418      | 150         | V   | 360           | -7.1         |

Note:

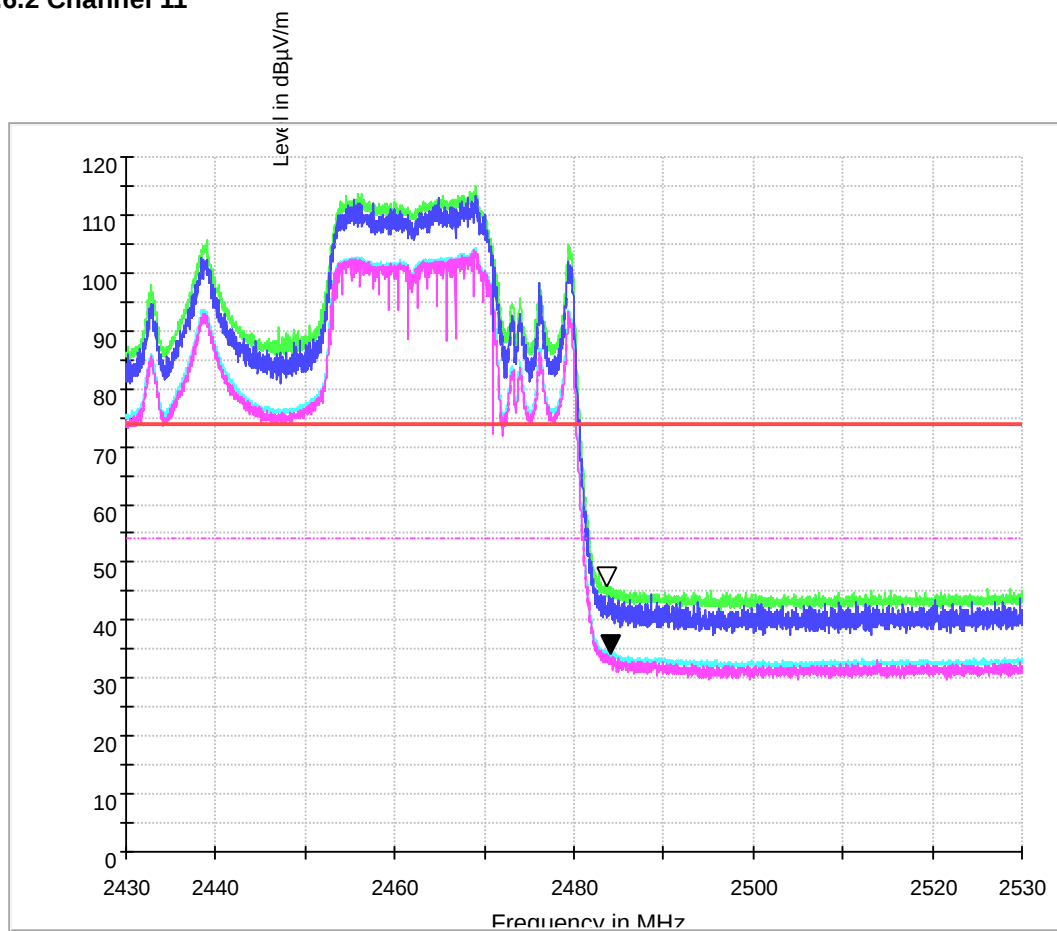
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit – Level



## 1.3.6.2 Channel 11



## MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth h (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|-----------------|--------------|
| 2483.68         | 45.976         | 74.00          | 28.024      | 150         | V   | 130             | -5.4         |

## MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth h | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|-----------|--------------|
| 2484.16         | 34.583         | 54.00          | 19.417      | 150         | V   | 130       | -5.4         |

Note:

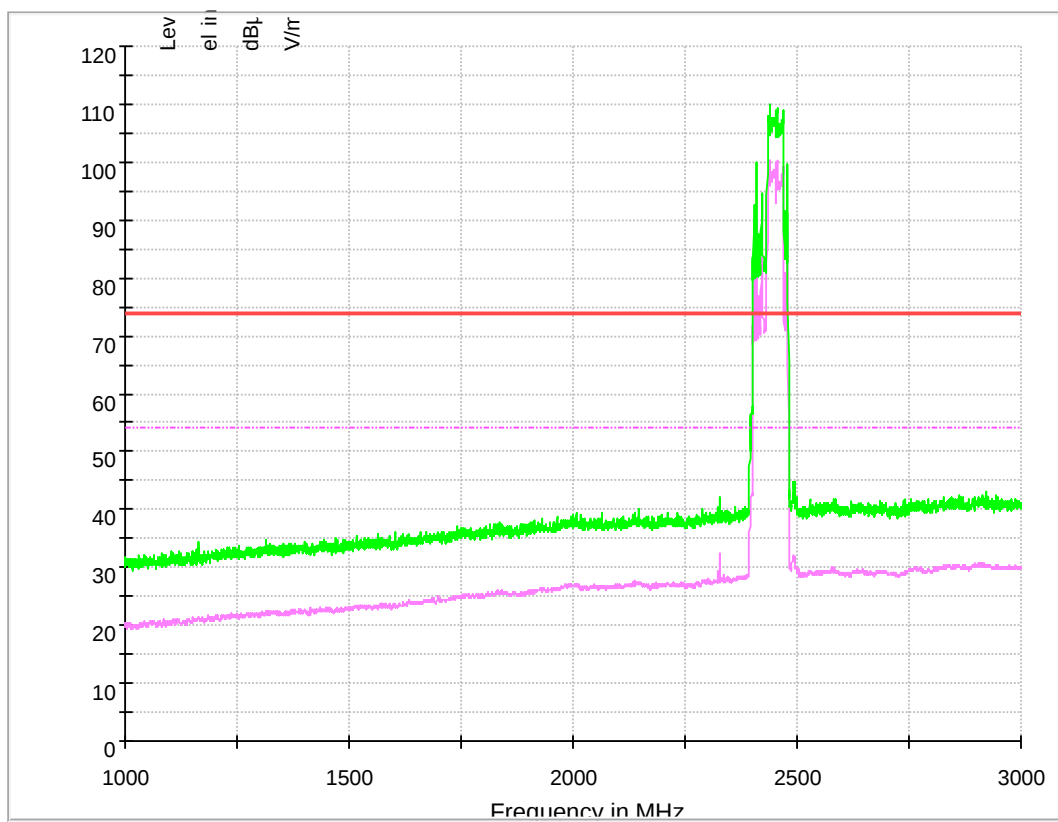
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit – Level

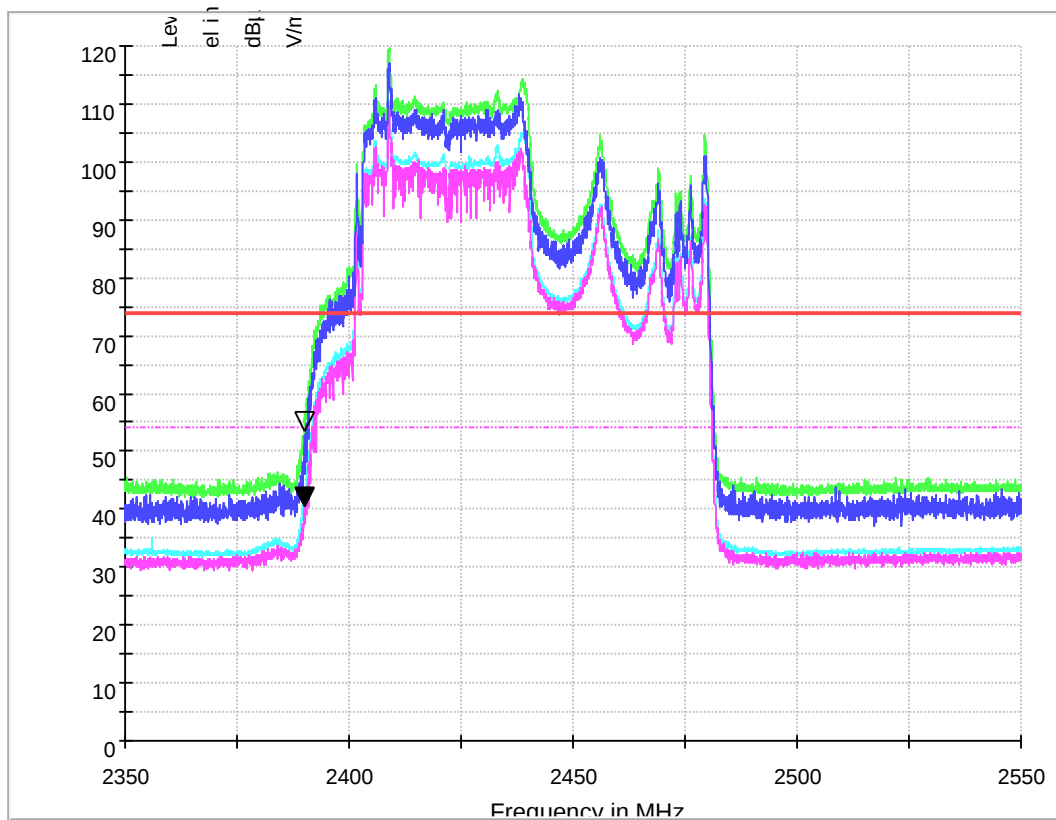


### 1.3.7 Test Mode: 11N40 MIMO





### 1.3.7.1 Channel 3



#### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.00         | 53.869         | 74.00          | 2           | 180         | V   | 0             | -7.1         |

#### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.96         | 40.680         | 54.00          | 12.418      | 180         | V   | 0             | -7.1         |

Note:

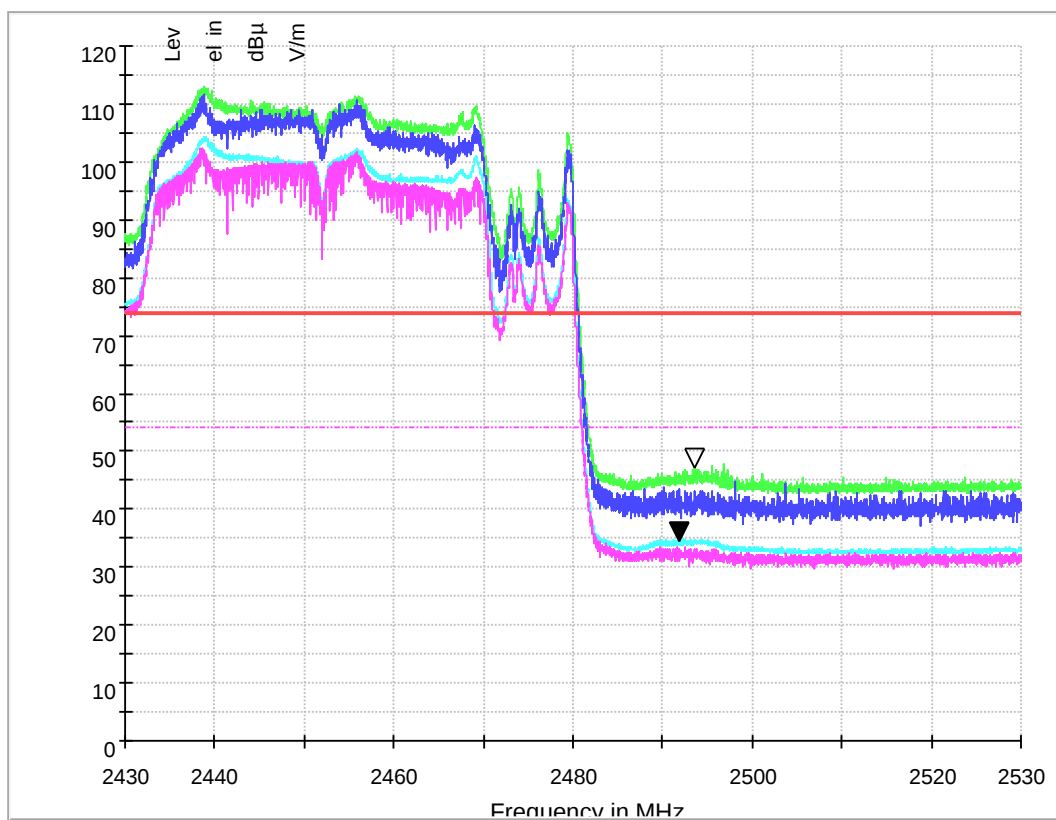
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit – Level



## 1.3.7.2 Channel 9



## MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2493.62         | 47.550         | 74.00          | 26.45       | 170         | V   | 236           | -5.4         |

## MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Transd. (dB) |
|-----------------|----------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2491.88         | 34.836         | 54.00          | 19.164      | 170         | V   | 236           | -5.4         |

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.

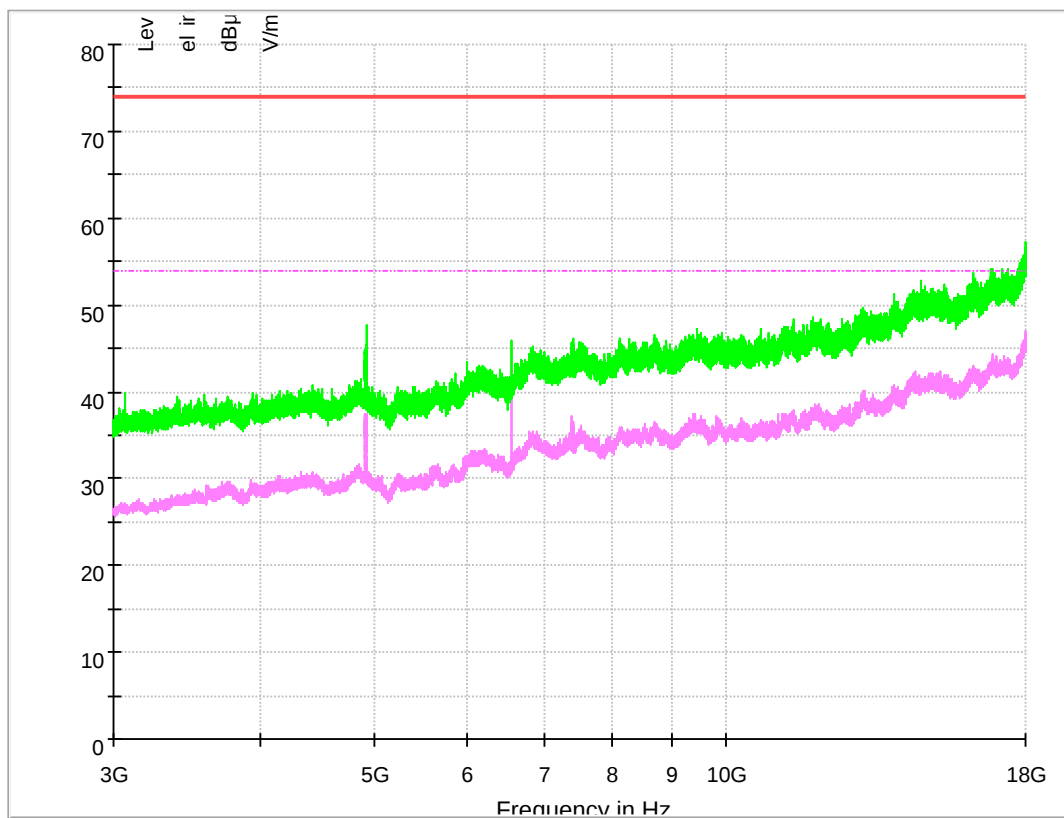
2, Margin = Limit – Level



## 1.4 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 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).

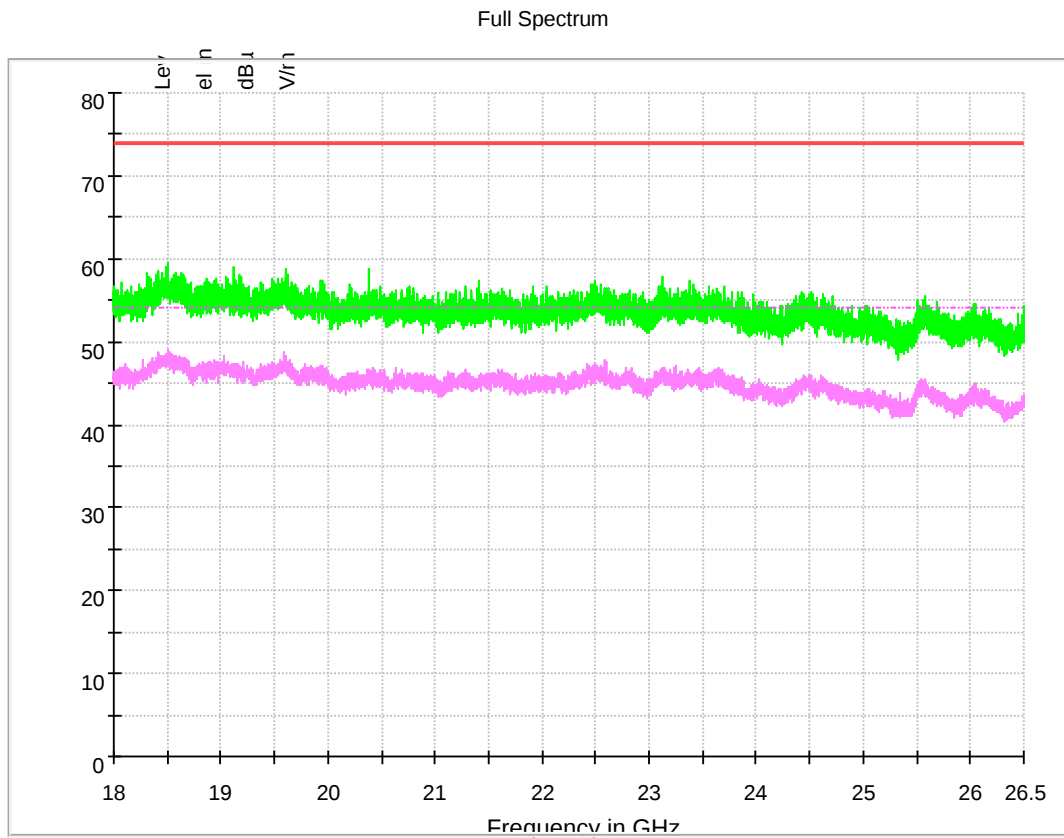
Mode: 11G Channel 11@Ant 1





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

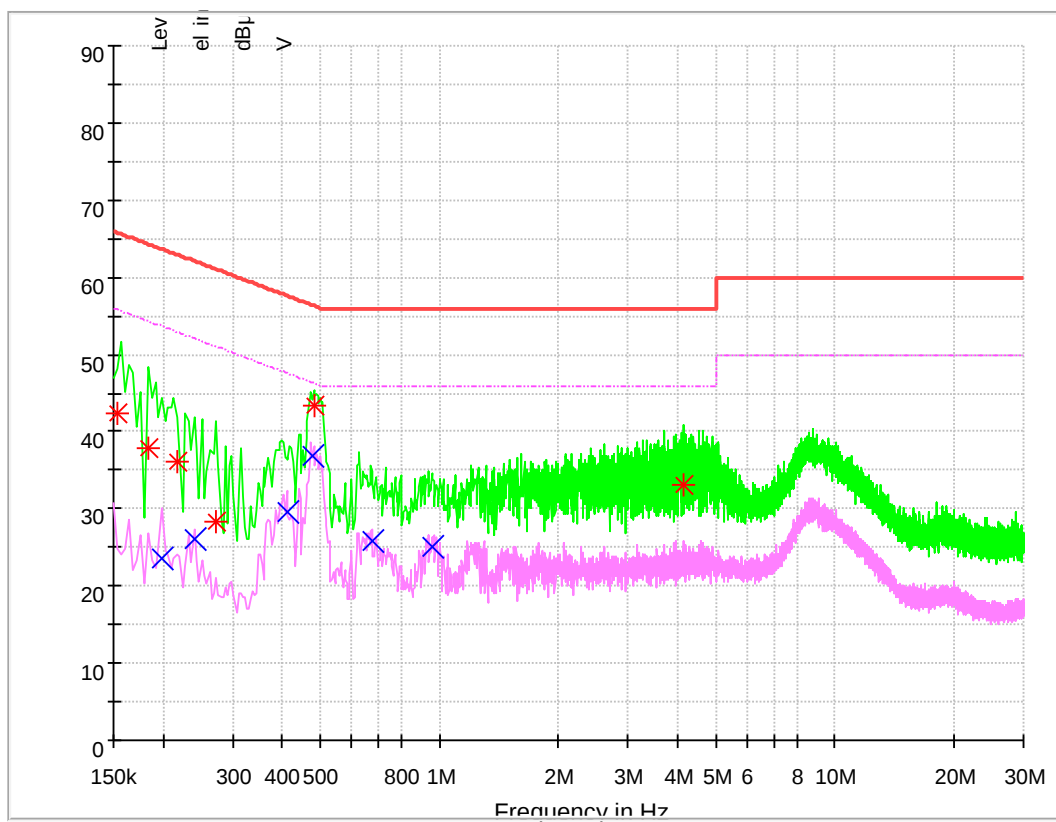
- Note 1: The test results and plot for testing range of “18 GHz to 26.5 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “18 GHz to 26.5 GHz” is for checking radiated emissions 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 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).





## Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz



### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dBμV) | Limit (dBμV) | Transd. (dB) | Margin (dB) | Line | PE  |
|-----------------|--------------|--------------|--------------|-------------|------|-----|
| 0.153538        | 42.36        | 65.81        | 9.7          | 23.45       | L1   | FLO |
| 0.184426        | 37.79        | 64.28        | 9.7          | 26.49       | N    | FLO |
| 0.2175          | 36.18        | 62.91        | 9.7          | 26.73       | L1   | FLO |
| 0.273175        | 28.24        | 61.02        | 9.7          | 32.78       | L1   | FLO |
| 0.485074        | 43.31        | 56.25        | 9.7          | 12.94       | L1   | FLO |
| 4.144645        | 33.08        | 56.00        | 9.8          | 22.92       | N    | FLO |

### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dBμV) | Limit (dBμV) | Transd. (dB) | Margin (dB) | Line | PE |
|-----------------|--------------|--------------|--------------|-------------|------|----|
|-----------------|--------------|--------------|--------------|-------------|------|----|



|          |       |       |     |       |    |     |
|----------|-------|-------|-----|-------|----|-----|
| 0.198182 | 23.54 | 53.69 | 9.7 | 30.14 | L1 | FLO |
| 0.240225 | 26.19 | 52.09 | 9.7 | 25.9  | N  | FLO |
| 0.411621 | 29.51 | 47.62 | 9.7 | 18.1  | L1 | FLO |
| 0.47729  | 36.79 | 46.39 | 9.7 | 9.6   | L1 | FLO |
| 0.674579 | 25.9  | 46.00 | 9.7 | 20.1  | L1 | FLO |
| 0.962794 | 25.18 | 46.00 | 9.7 | 20.82 | 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

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END