



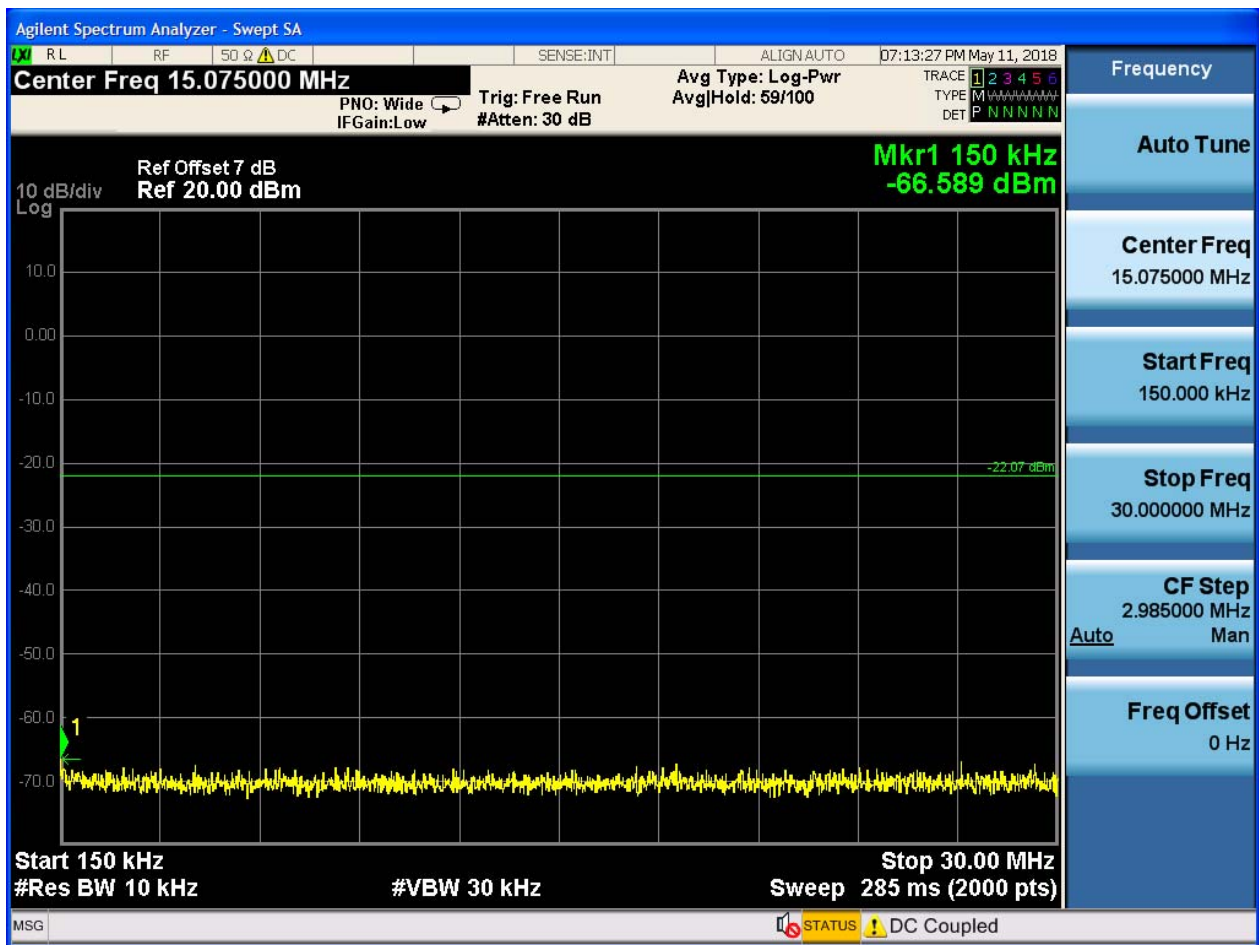
## 2.7 TM3\_3DH5\_Ch0

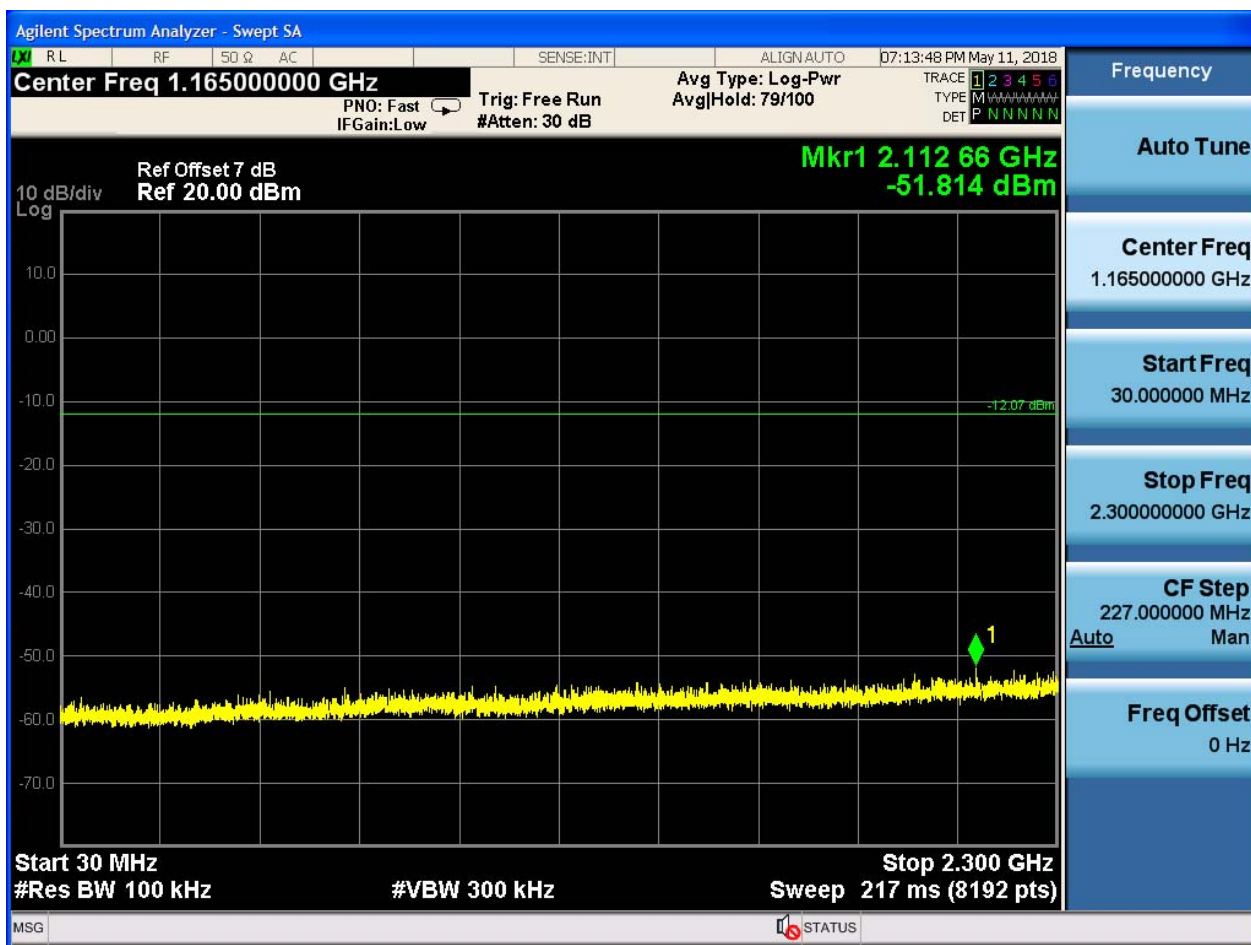
### 2.7.1 Pref

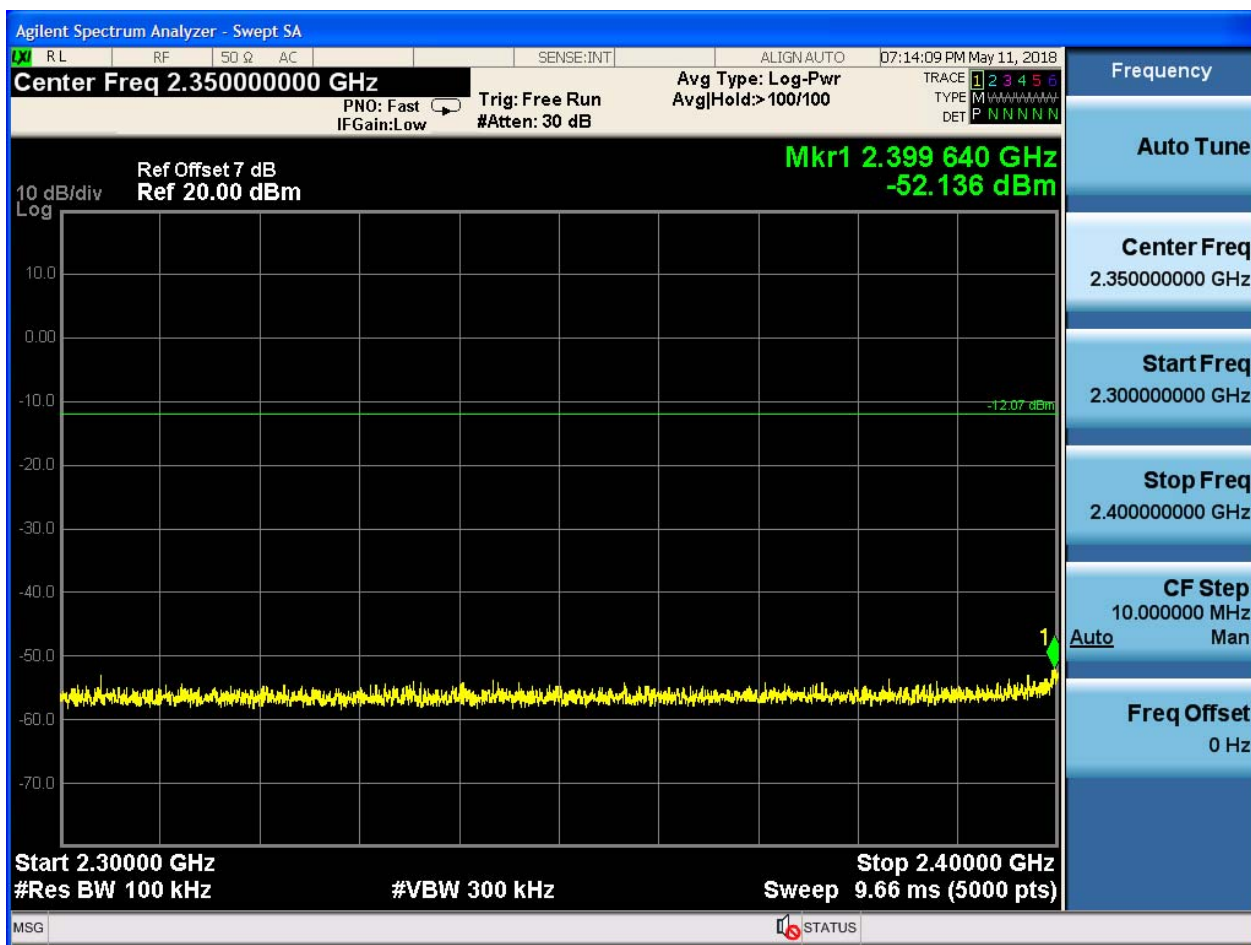


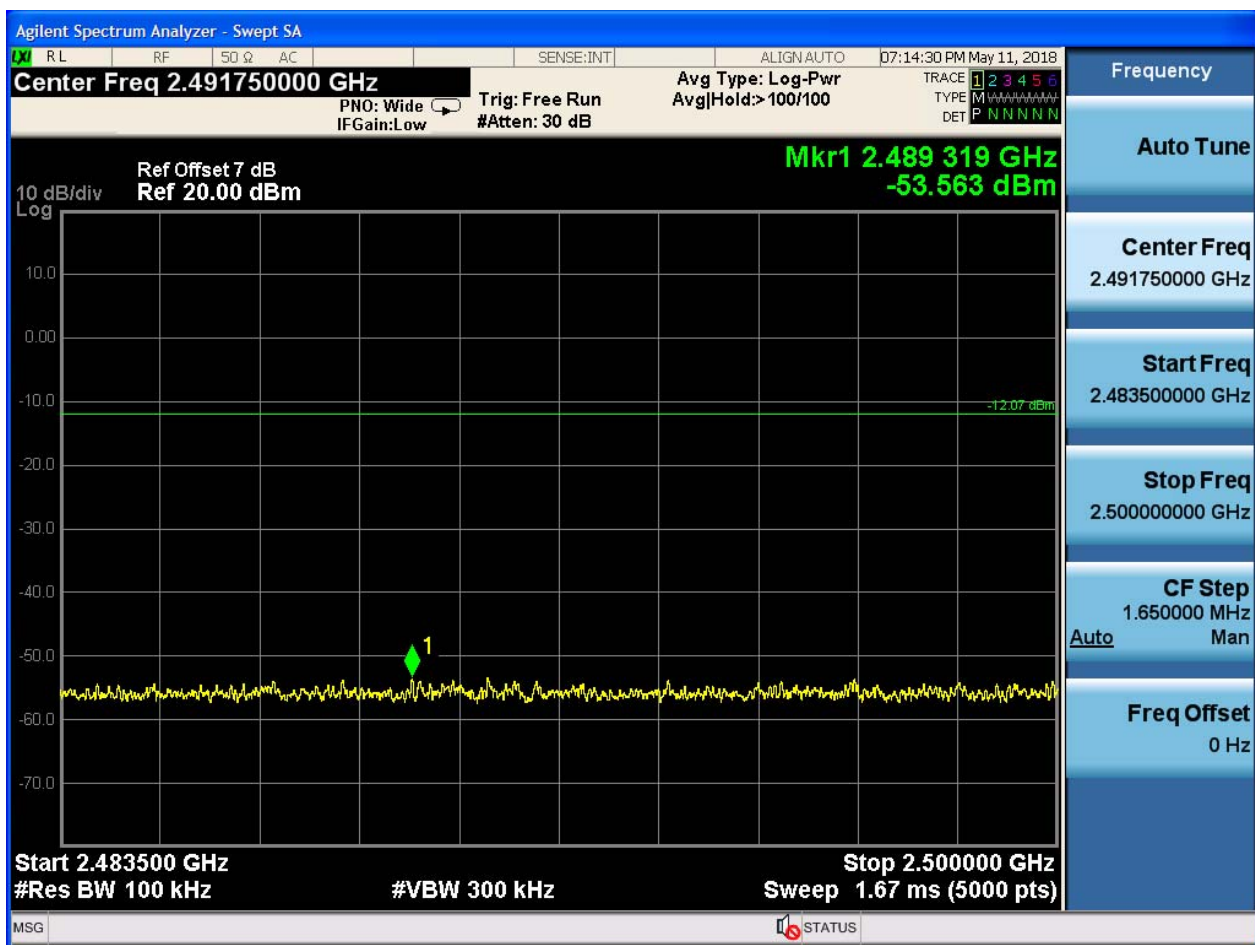
## 2.7.2 Puw

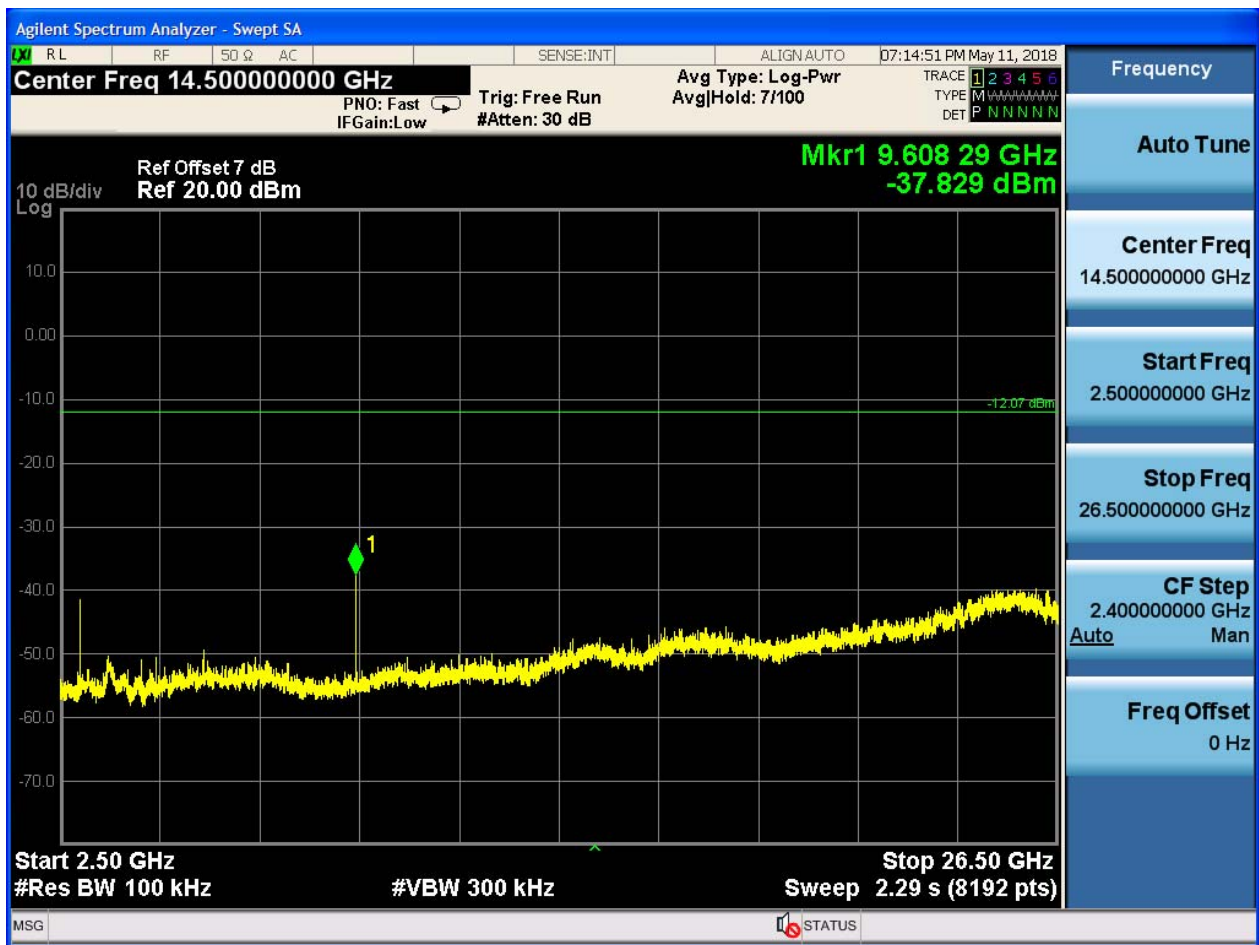














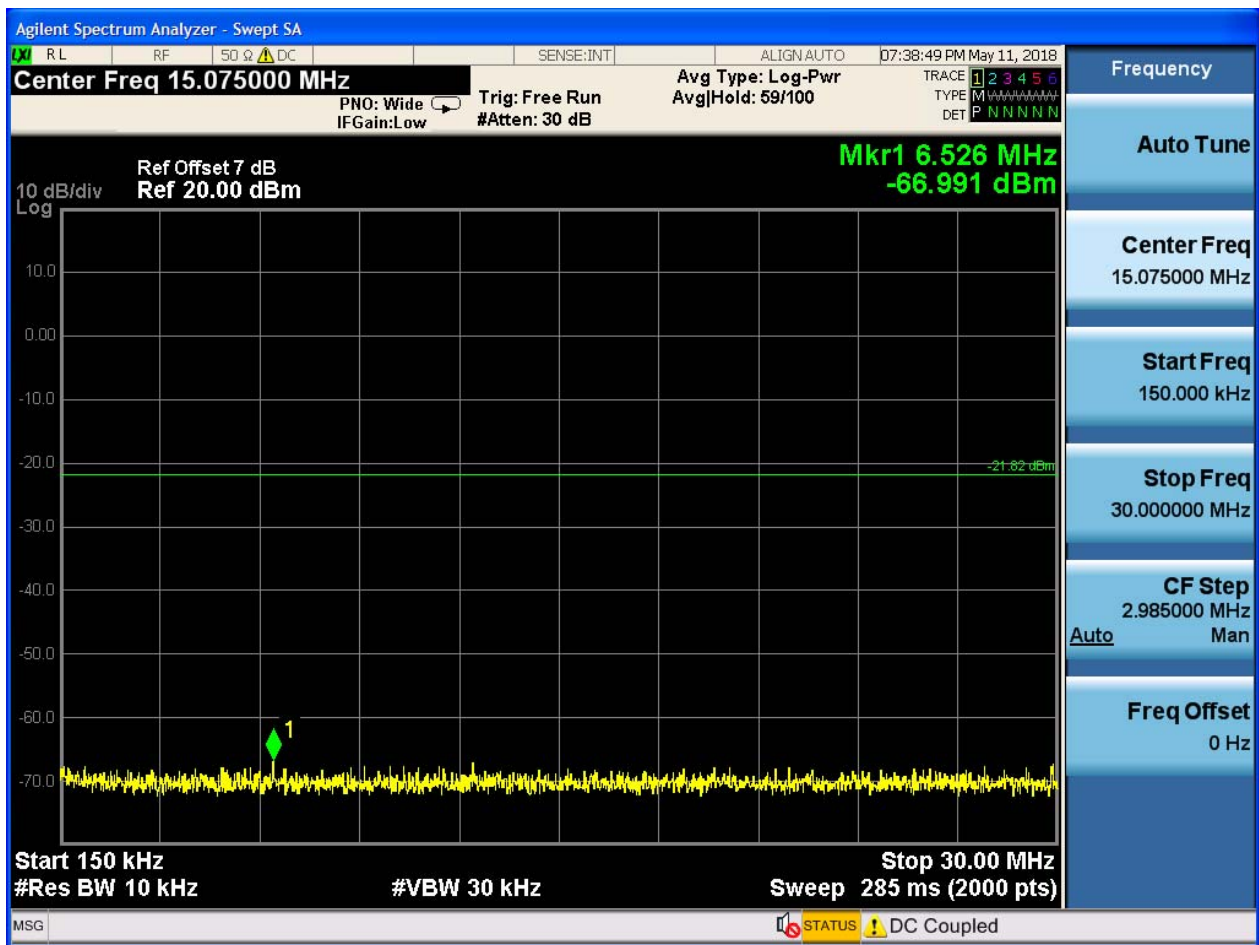
## 2.8 TM3\_3DH5\_Ch39

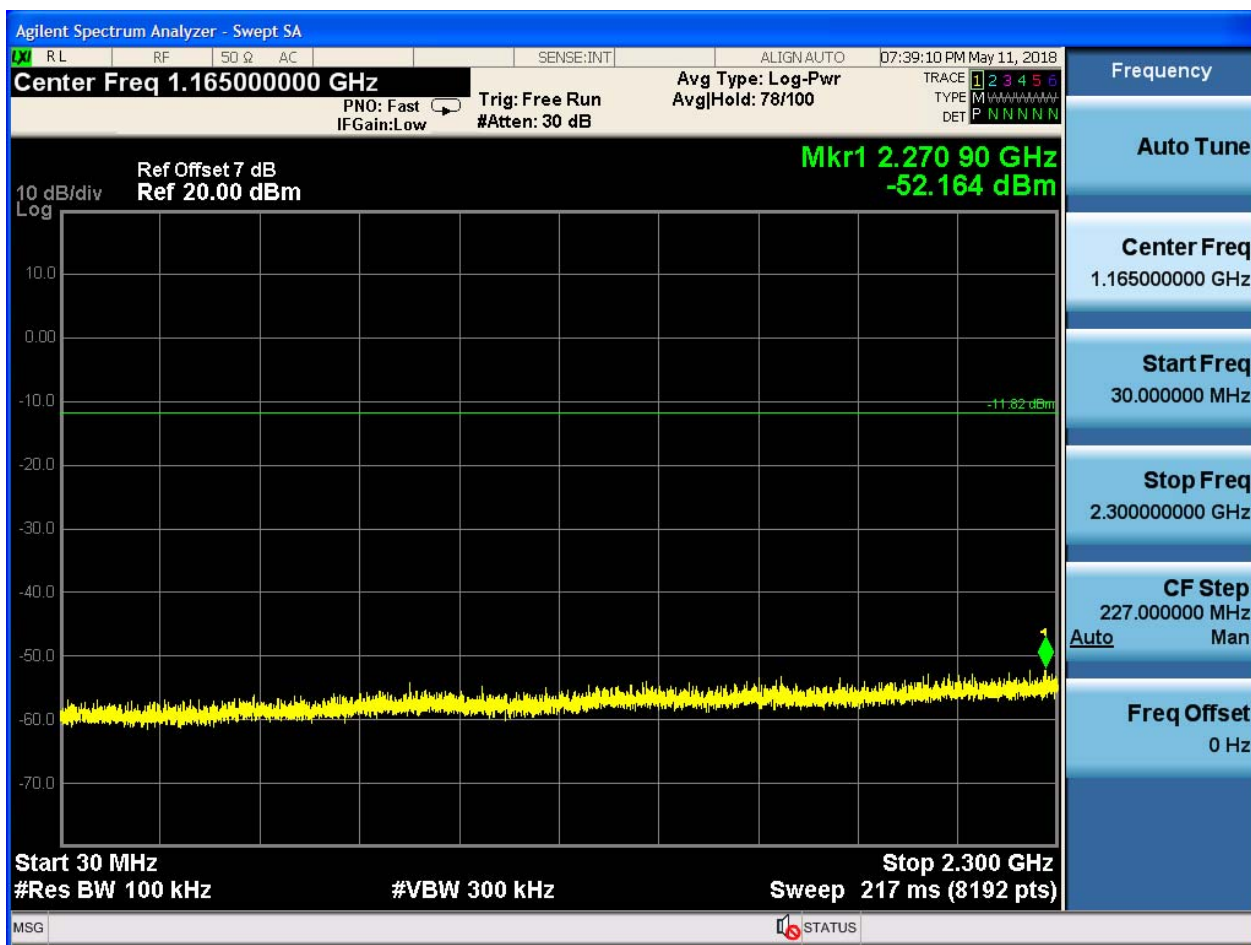
### 2.8.1 Pref

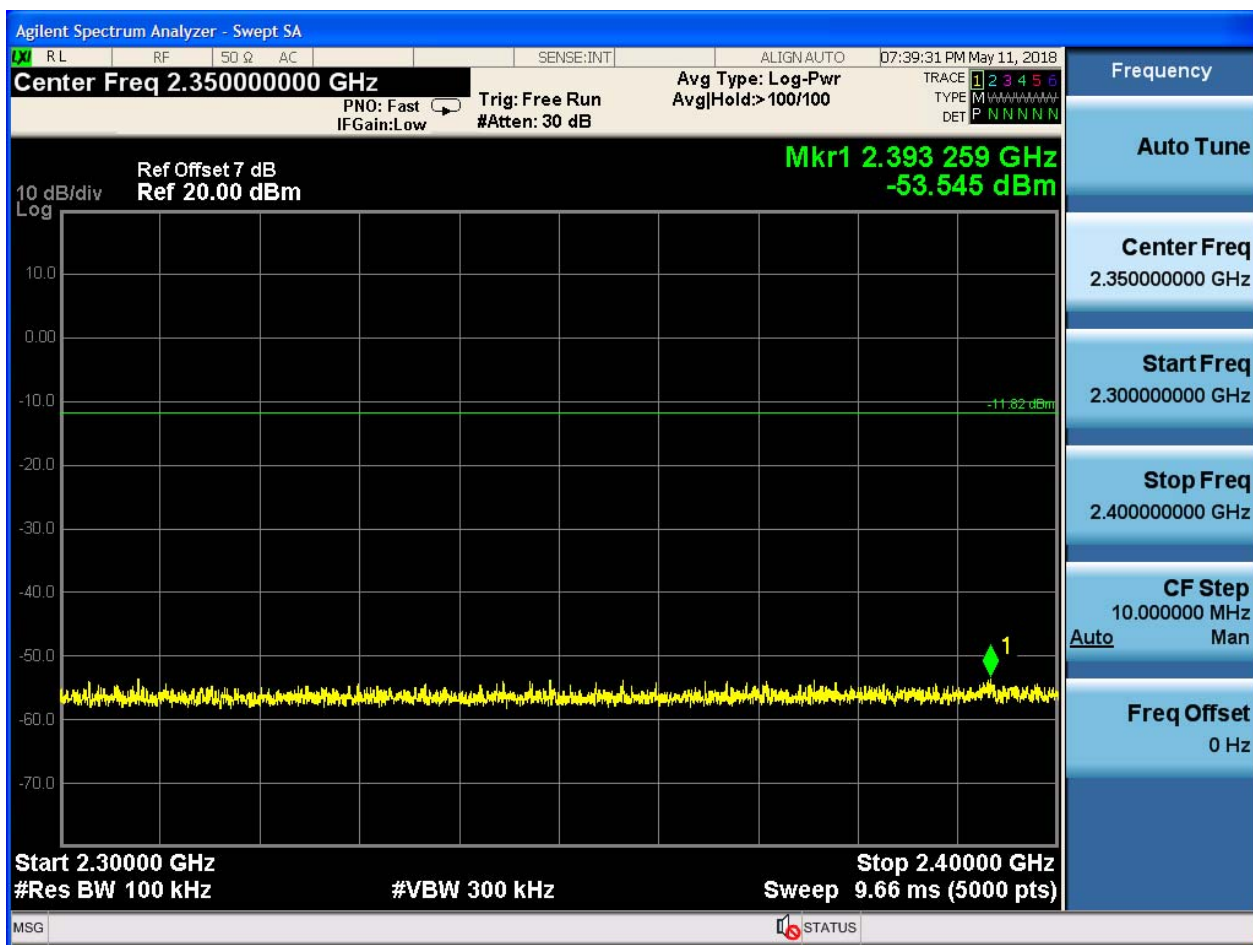


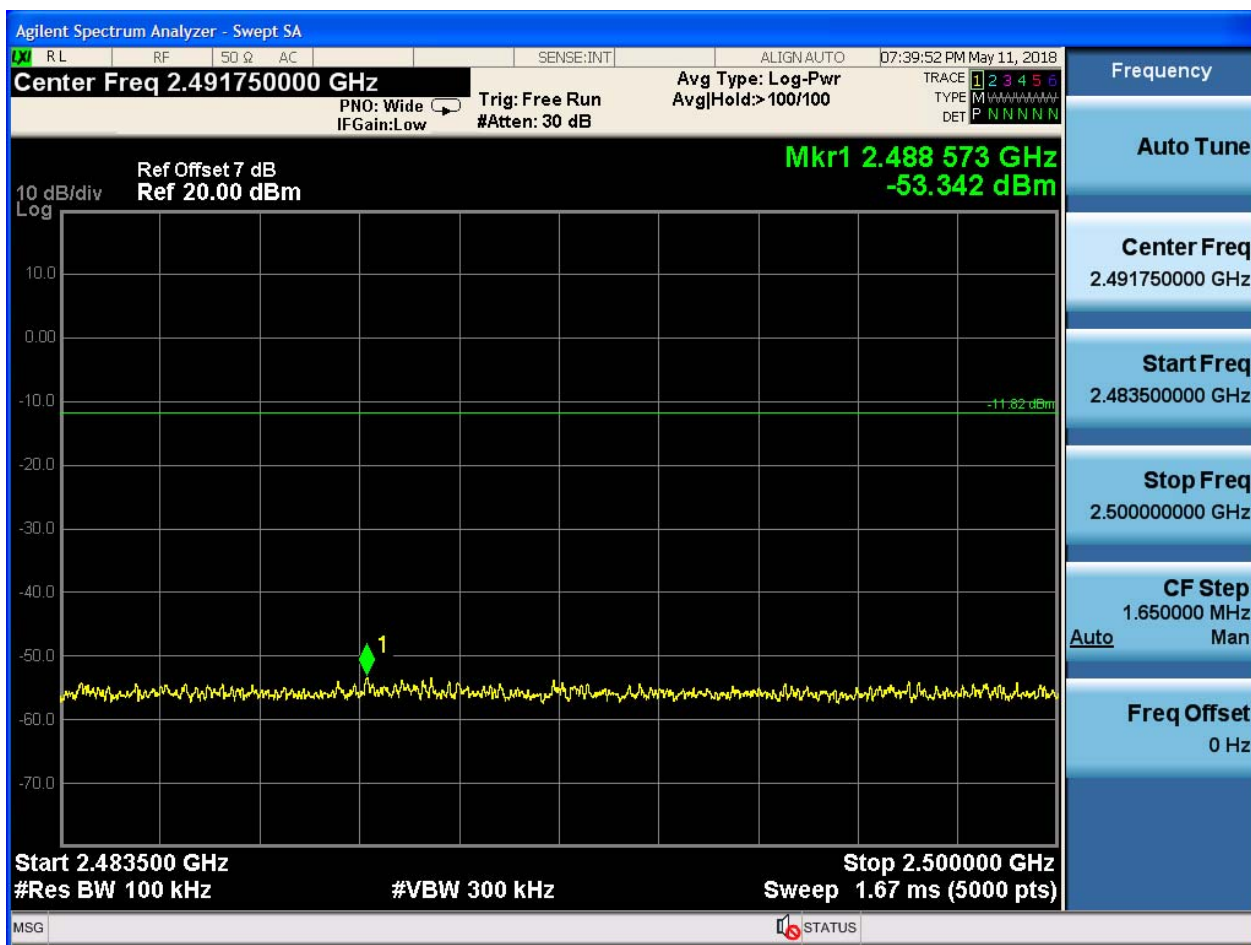
### 2.8.2 Puw

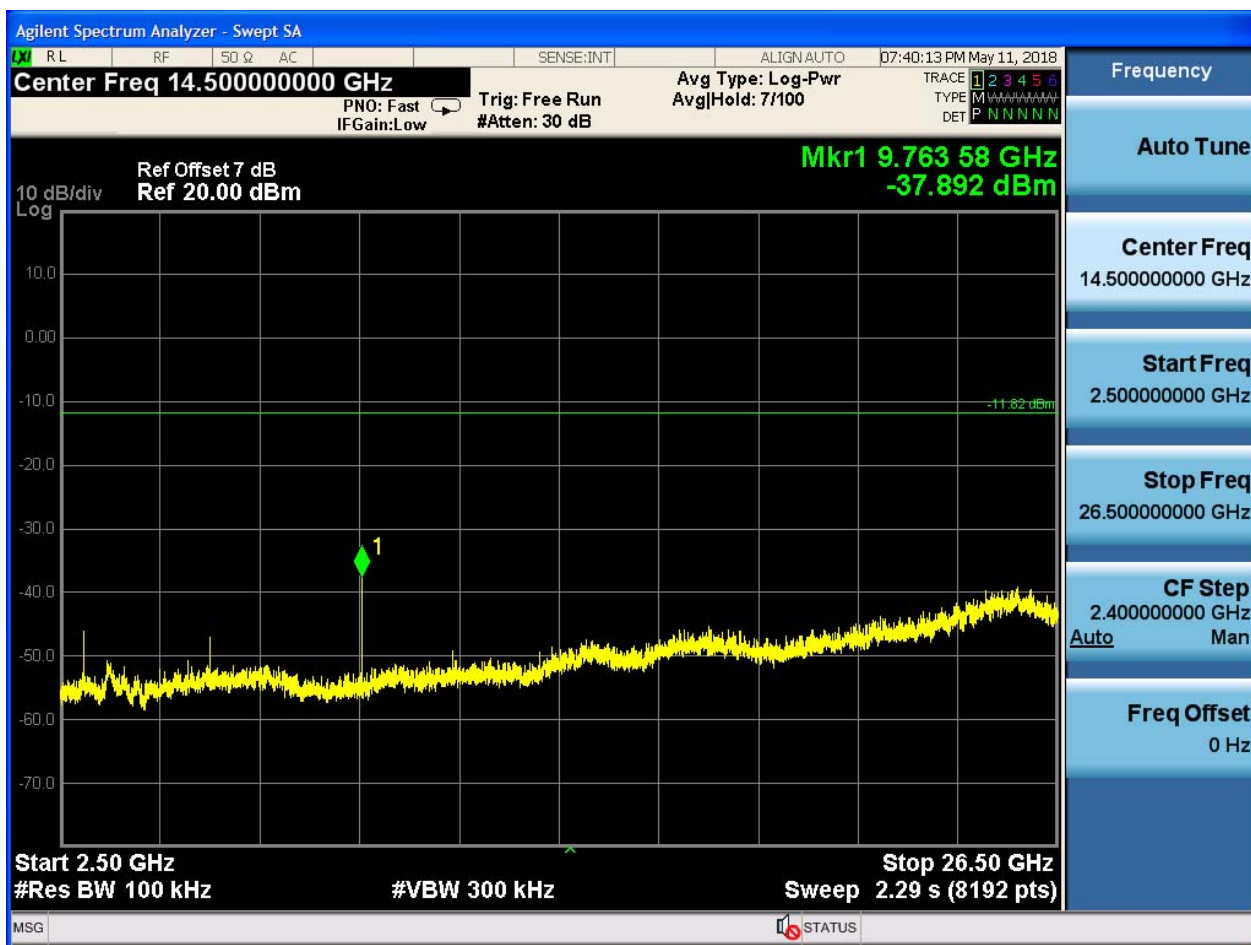












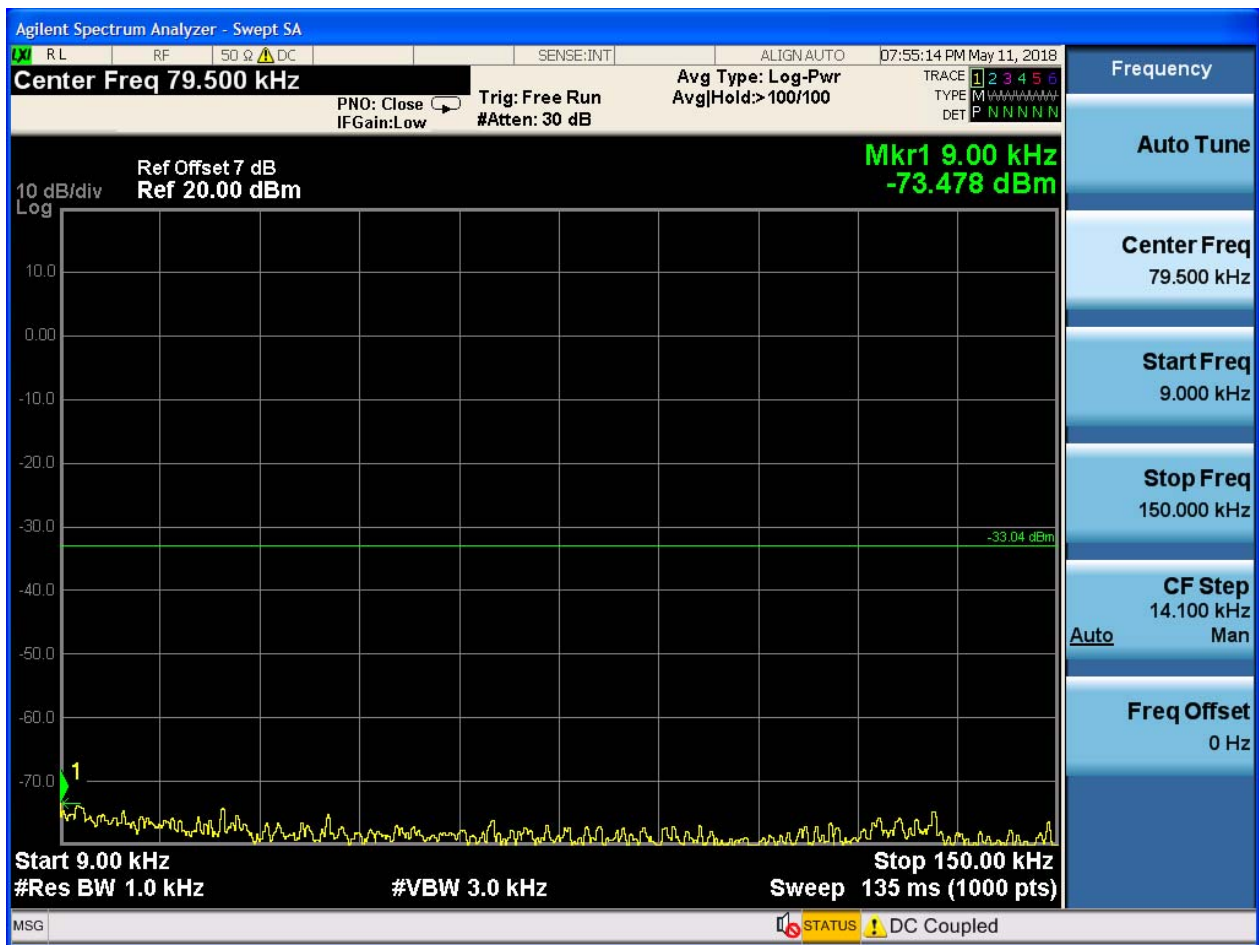
## 2.9 TM3\_3DH5\_Ch78

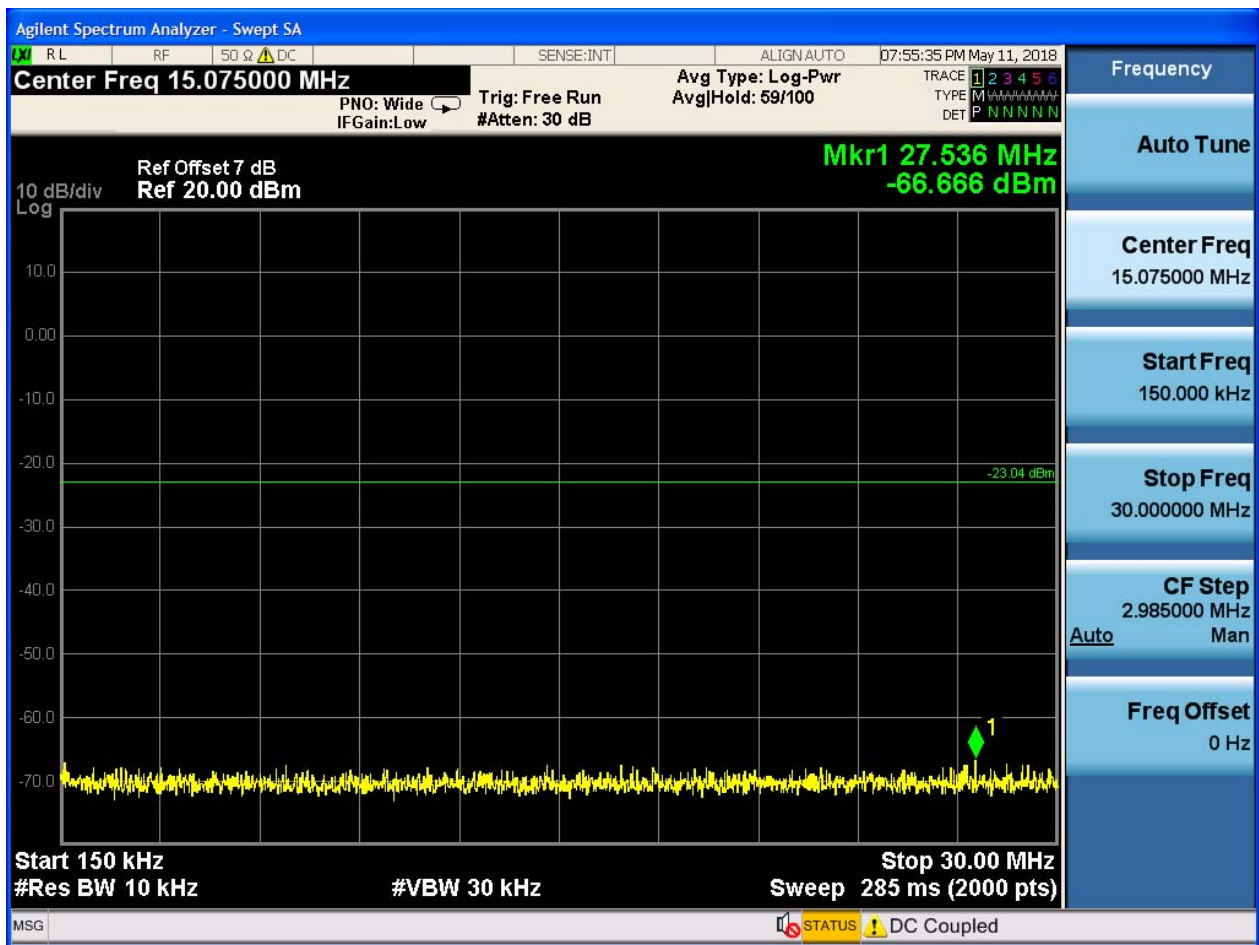
### 2.9.1 Pref

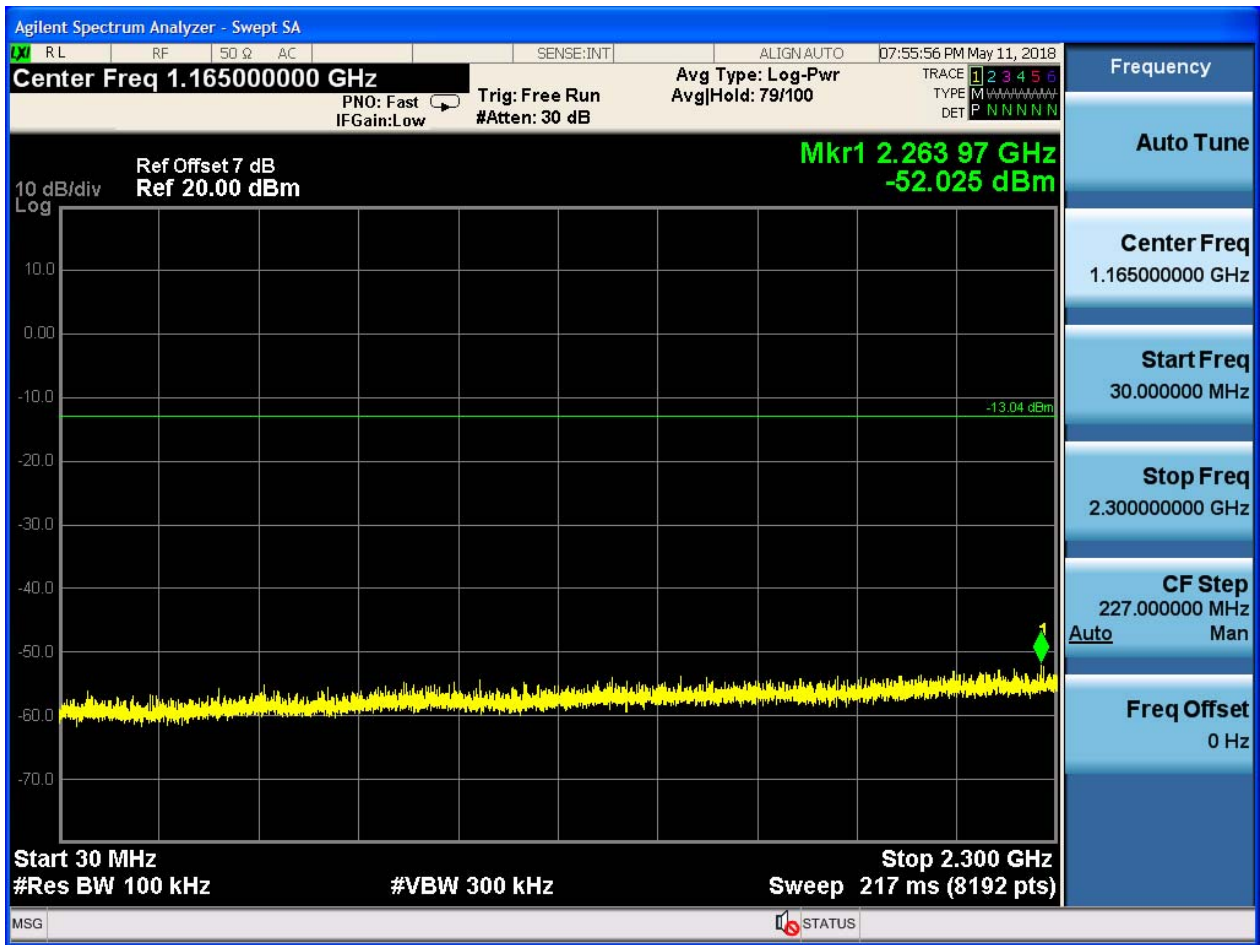


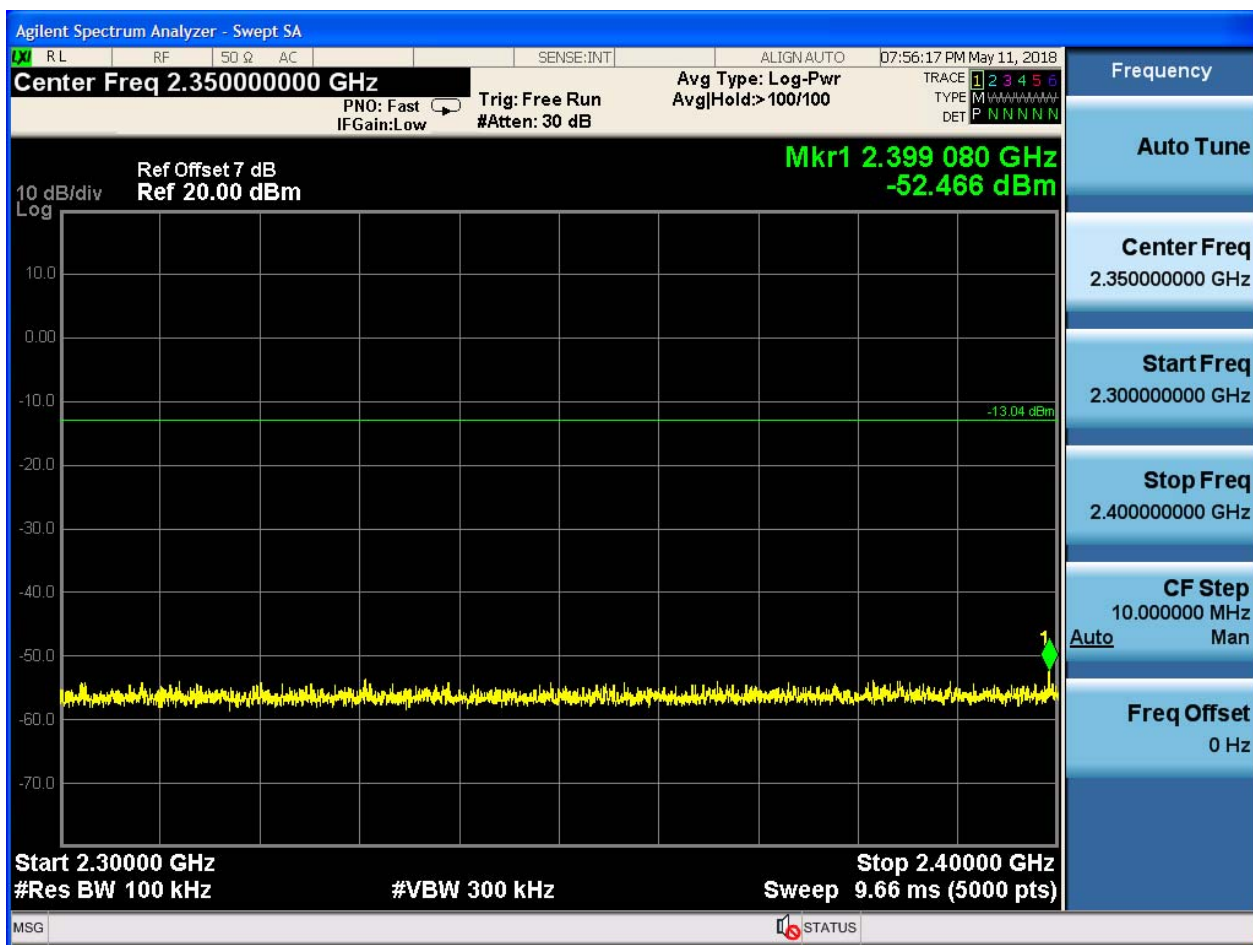


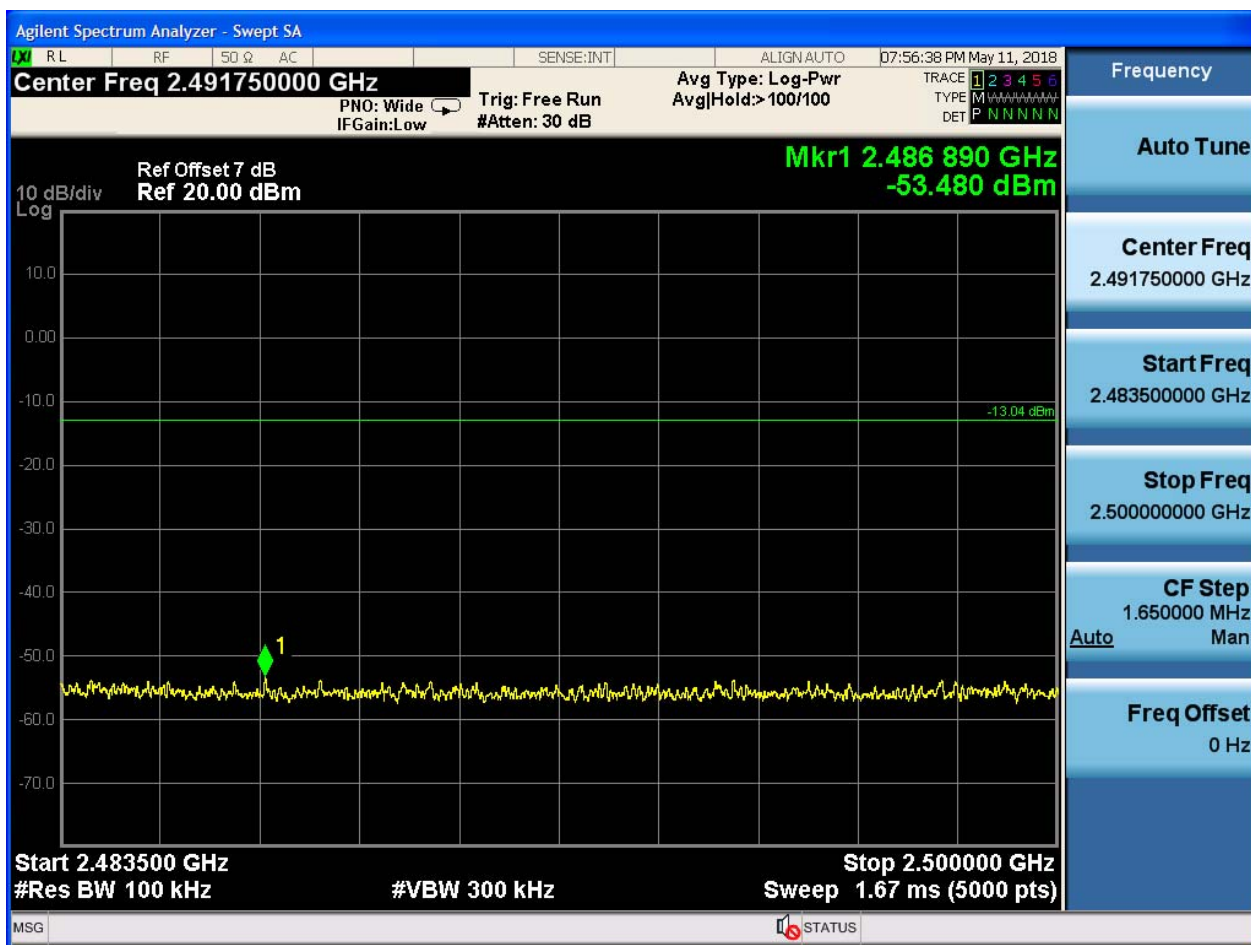
## 2.9.2 Puw













## **Appendix H: Radiated Emissions in the Restricted Bands**

## 1 Result Table

The whole testing range is from “30 MHz to 26.5 GHz (10th harmonics)” is divided into 5 parts according to the test site settings, which are:

- (Part 1): Test range of “9 KHz to 30 MHz”,
- (Part 2): Test range of “30 GHz to 1 GHz”,
- (Part 3): Test range of “1 GHz to 3 GHz”.
- (Part 4): Test range of “3 GHz to 18 GHz”,
- (Part 5): Test range of “18 GHz to 26.5 GHz”.

In this Appendix, only the test results and plots under the worst case can be reported. In the result table, the “< Limit” denotes that “Not found obvious spikes or see marked spikes on plots and listed emissions records”.

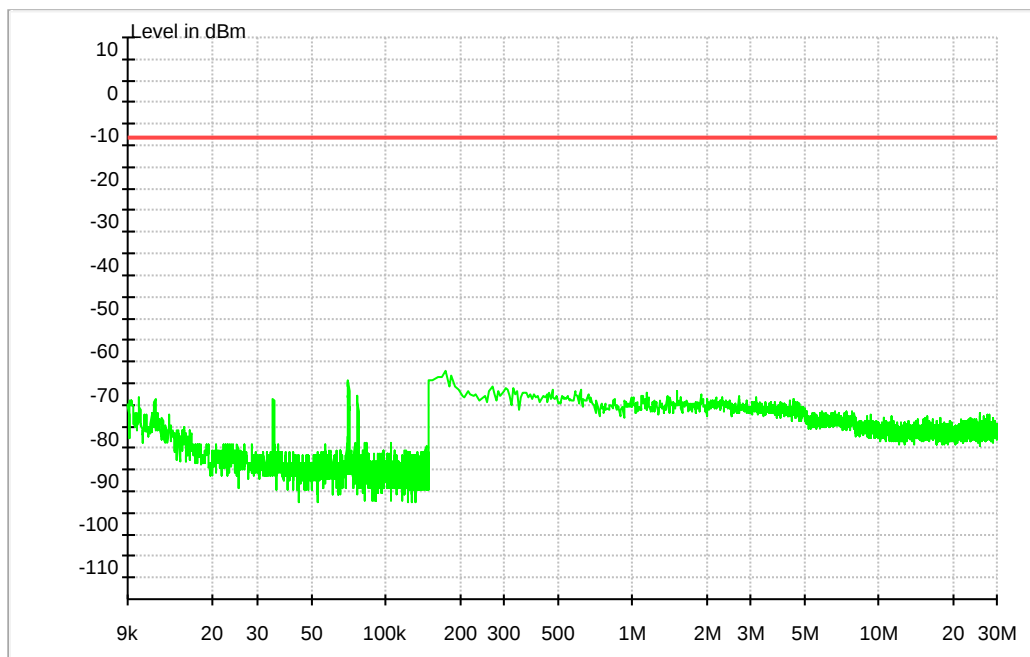
| Test Range         | EUT Conf.                  | Emissions | Verdict |
|--------------------|----------------------------|-----------|---------|
| 30 MHz to 1 GHz    | TM1_DH5_Ch0 (Worst Conf.)  | < Limit   | Pass    |
| 1 GHz to 3 GHz     | TM1_DH5_Ch0 (Worst Conf.)  | < Limit   | Pass    |
|                    | TM1_DH5_Ch78 (Worst Conf.) | < Limit   | Pass    |
| 3 GHz to 18 GHz    | TM1_DH5_Ch0 (Worse Conf.)  | < Limit   | Pass    |
| 18 GHz to 26.5 GHz | TM1_DH5_Ch0 (Worst Conf.)  | < Limit   | Pass    |

Note: We tested all modes, but the data presented below is the worst case.

## 2 Result Plot

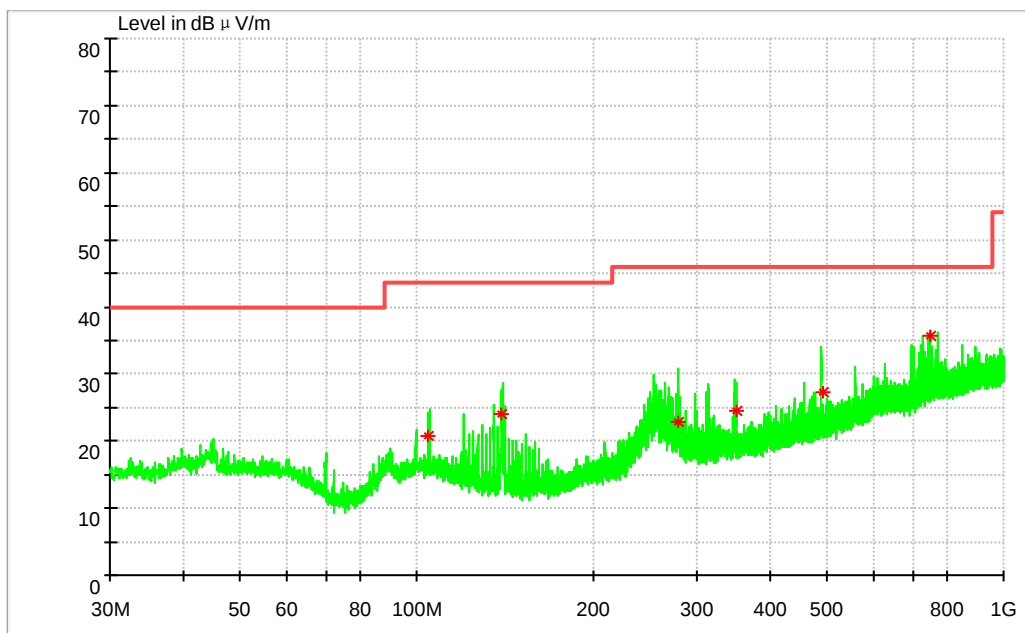
### Part 1: Testing Range of “9 kHz to 30MHz”

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.



## 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).



### MEASUREMENT RESULT: QP Detector

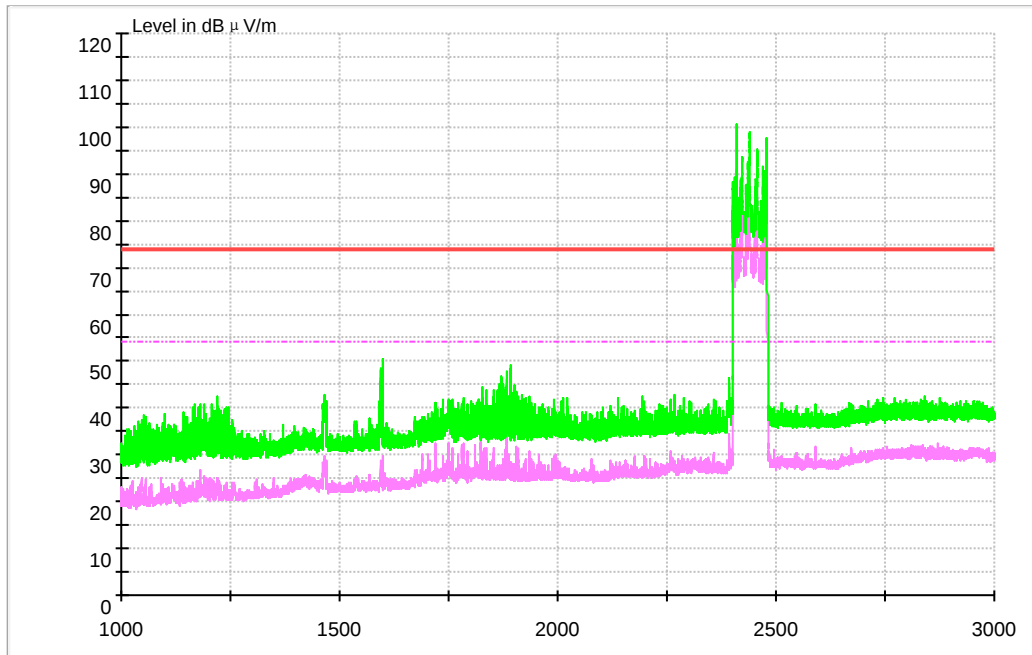
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Trans d. (dB) |
|-----------------|----------------------|----------------------|-------------|-------------|-----|---------------|---------------|
| 104.345980      | 20.83                | 43.5                 | 22.67       | 100         | V   | 209           | 14.2          |
| 139.275660      | 23.99                | 43.5                 | 19.51       | 102         | V   | 24            | 9.9           |
| 279.432480      | 22.93                | 46                   | 23.07       | 101         | H   | 244           | 15            |
| 349.519540      | 24.41                | 46                   | 21.59       | 260         | V   | 167           | 16.9          |
| 490.924480      | 27.32                | 46                   | 18.68       | 400         | V   | 164           | 19.4          |
| 751.907480      | 35.73                | 46                   | 10.27       | 101         | H   | 208           | 23.4          |

Note:

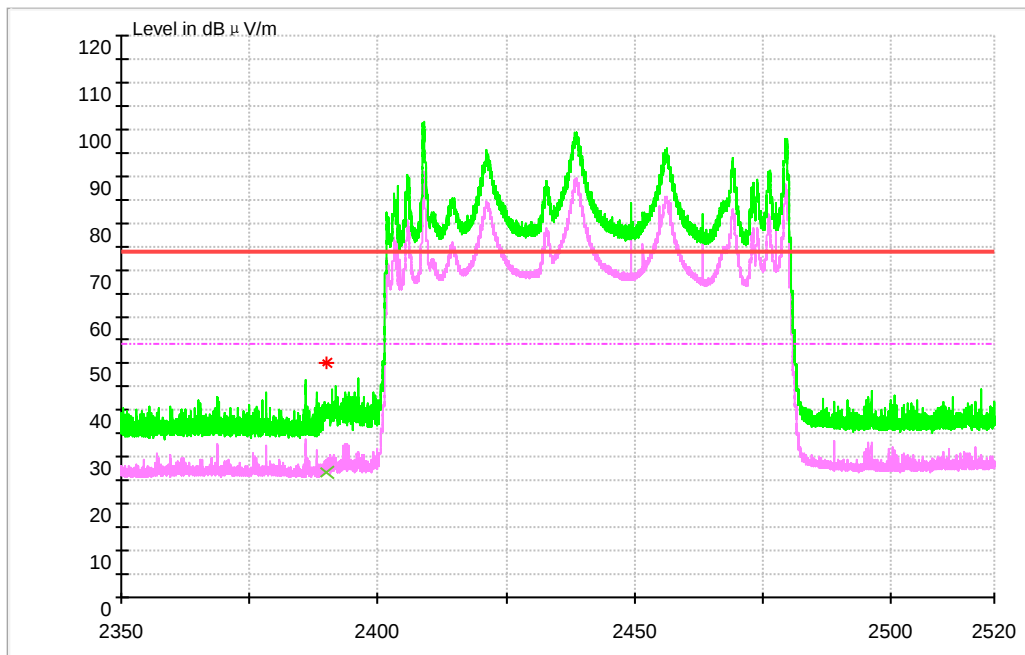
- 1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)  
The reading level is calculated by software which is not shown in the sheet.
- 2, Margin=Limit - Level

### Part 3: Testing Range of “1GHz to 3GHz”

- 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 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).
- Note 3: The peak spike exceeds the limit line is EUT's operating frequency.



## Channel 0



### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth h | Transd. (dB) |
|-----------------|----------------------|----------------------|-------------|-------------|-----|-----------|--------------|
| 2390            | 26.69                | 54.00                | 27.31       | 150.0       | V   | 74.0      | -10.2        |

### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth h (deg) | Transd. (dB) |
|-----------------|----------------------|----------------------|-------------|-------------|-----|-----------------|--------------|
| 2390            | 50.10                | 74.00                | 23.90       | 150.0       | V   | 141.0           | -10.2        |

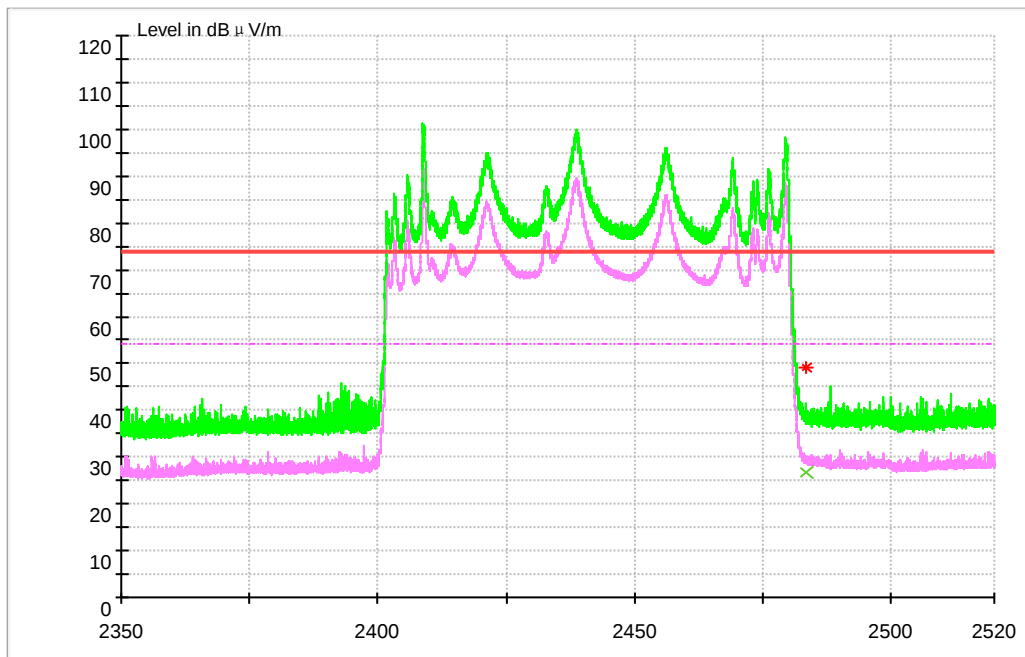
Note:

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.

2, Margin=Limit - Level

## Channel 78



### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth h | Transd. (dB) |
|-----------------|----------------------|----------------------|-------------|-------------|-----|-----------|--------------|
| 2483.5          | 26.89                | 54.00                | 27.11       | 150.0       | V   | 186.0     | -6.8         |

### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth h (deg) | Transd. (dB) |
|-----------------|----------------------|----------------------|-------------|-------------|-----|-----------------|--------------|
| 2483.5          | 49.14                | 74.00                | 24.86       | 150.0       | V   | 59.0            | -6.8         |

Note:

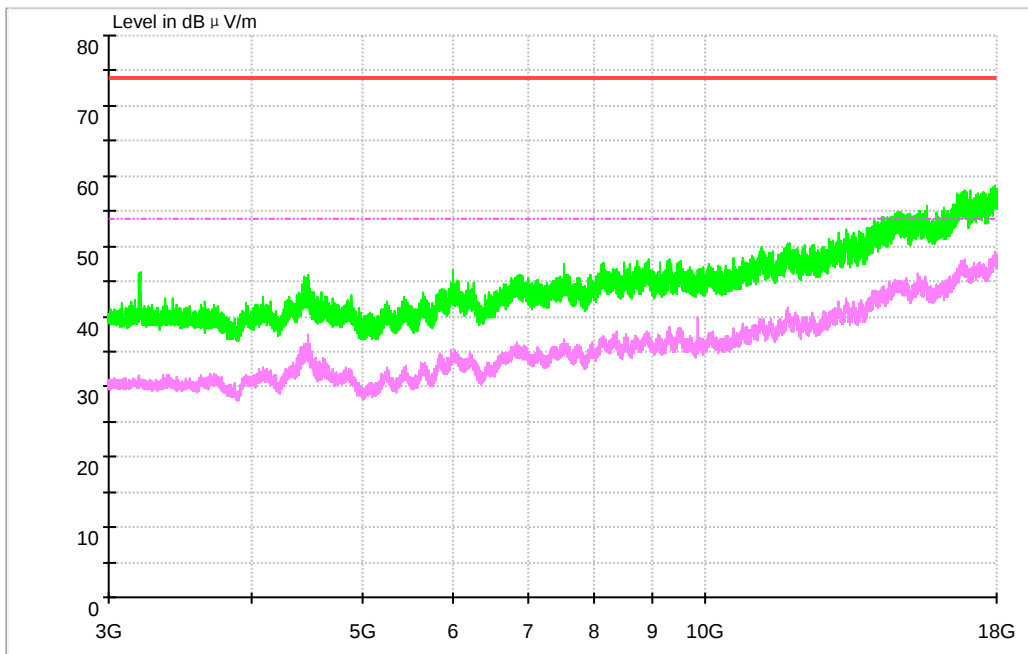
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin = Limit - Level

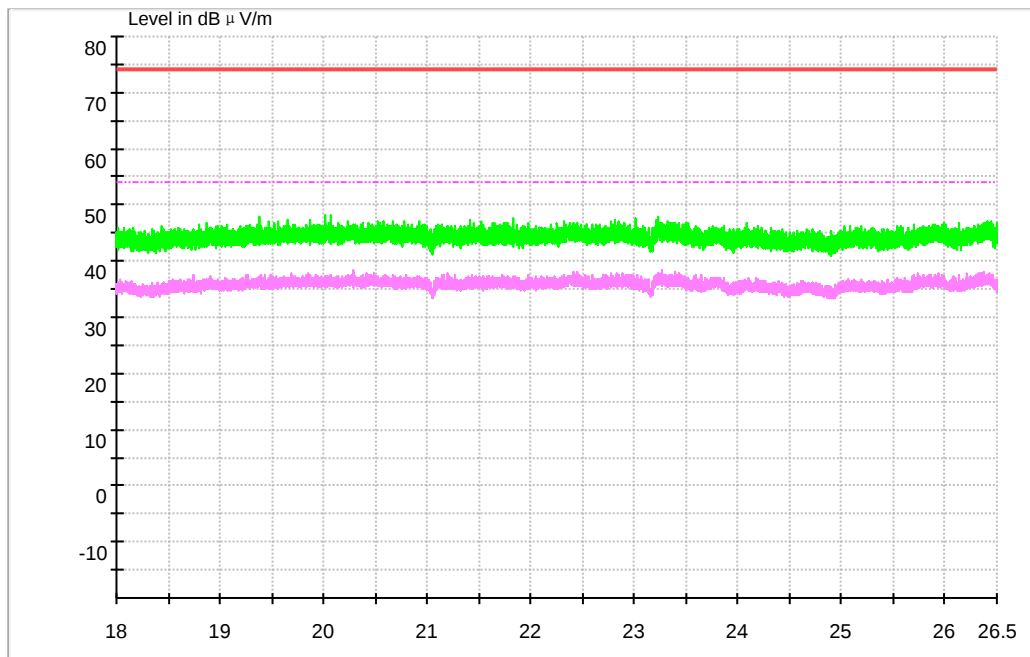
#### Part 4: Testing Range of “3 GHz to 18 GHz”

- 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).



## 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: AC Power Line Conducted Emissions



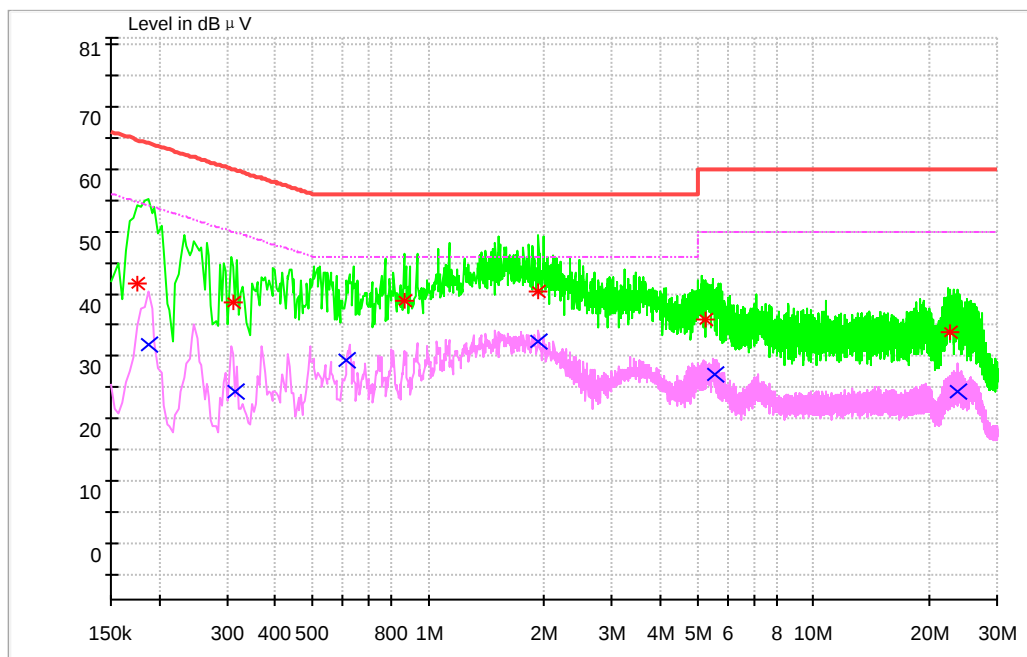
## 1 Result Table

In this Appendix, only the test results and plots under the worst case can be reported.

| EUT Conf.    | Maximum Emissions                                                                    | Verdict |
|--------------|--------------------------------------------------------------------------------------|---------|
| TM1_DH5_Ch39 | Not found obvious spikes or see marked spikes on plots and listed emissions records. | Pass    |

## 2 Result Plot

### Channel 39



#### MEASUREMENT RESULT: AV Detector

| Frequency (MHz) | Level (dB μV) | Limit (dB μV) | Transd. (dB) | Margin (dB) | Line | PE  |
|-----------------|---------------|---------------|--------------|-------------|------|-----|
| 0.188453        | 31.96         | 54.09         | 9.7          | 22.13       | L1   | FLO |
| 0.313523        | 24.25         | 49.87         | 9.7          | 25.62       | N    | FLO |
| 0.612596        | 29.25         | 46            | 9.7          | 16.75       | L1   | FLO |
| 1.929682        | 32.26         | 46            | 9.7          | 13.74       | L1   | FLO |
| 5.522157        | 27.00         | 50            | 9.8          | 23.00       | L1   | FLO |
| 23.580528       | 24.45         | 50            | 10.2         | 25.55       | L1   | FLO |

#### MEASUREMENT RESULT: PK Detector

| Frequency (MHz) | Level (dB μV) | Limit (dB μV) | Transd. (dB) | Margin (dB) | Line | PE  |
|-----------------|---------------|---------------|--------------|-------------|------|-----|
| 0.174878        | 41.66         | 64.73         | 9.7          | 23.07       | N    | FLO |
| 0.311464        | 38.74         | 59.93         | 9.7          | 21.19       | N    | FLO |
| 0.863952        | 38.77         | 56            | 9.7          | 17.23       | L1   | FLO |
| 1.924383        | 40.28         | 56            | 9.7          | 15.72       | L1   | FLO |
| 5.247044        | 35.90         | 60            | 9.8          | 24.10       | L1   | FLO |
| 22.702003       | 33.97         | 60            | 10.2         | 26.03       | 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