



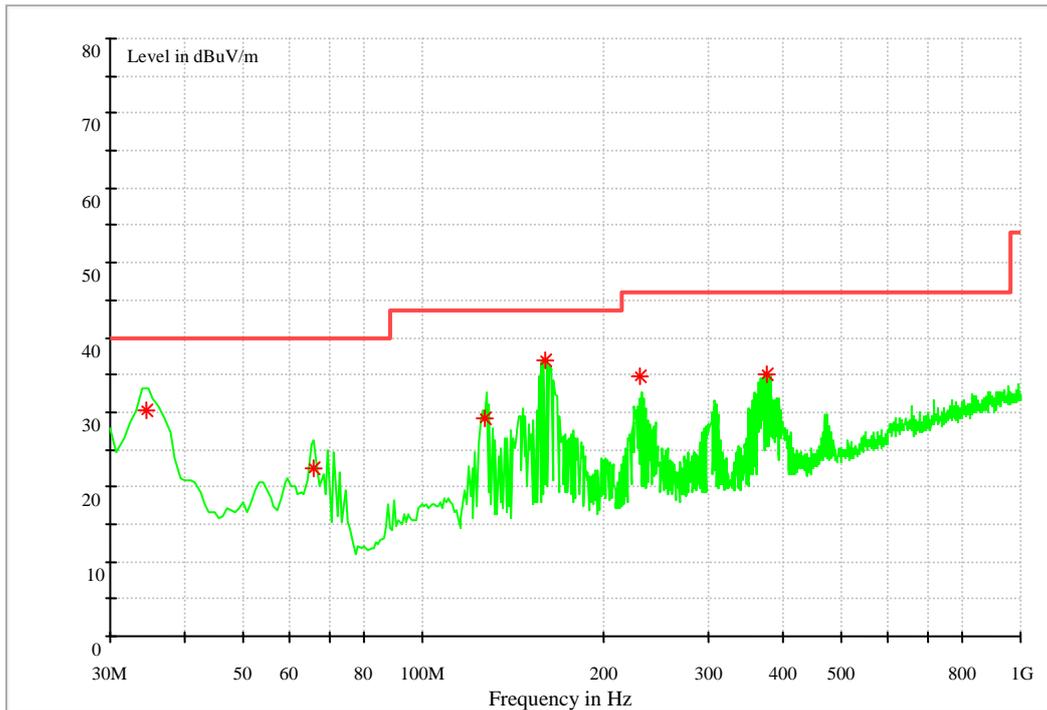
## **Appendix F**

# **Radiated Spurious Emission & Spurious in Restricted Band (according to FCC Part 15.247(d) & 15.205 & 15.209)**



## Part 1: 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).**

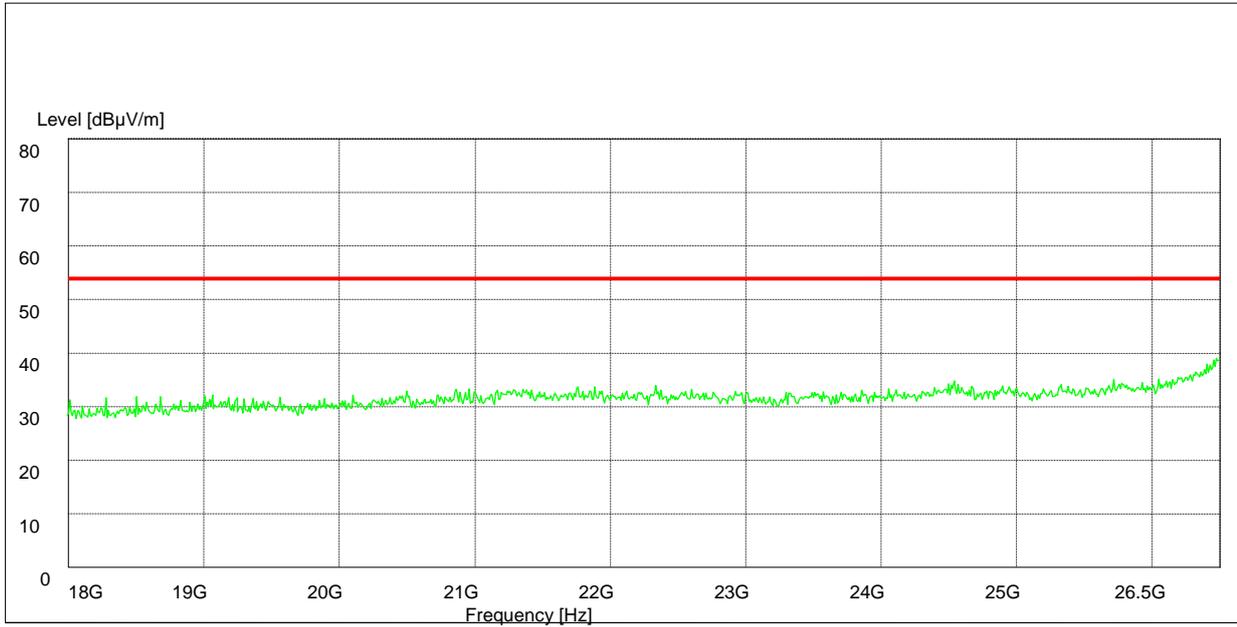


Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Plarization
34.621120	30.1	12.0	40.0	9.9	100.0	195.0	HORIZONTAL
65.638400	22.5	10.4	40.0	17.5	100.0	281.0	HORIZONTAL
126.812160	29.1	10.0	43.5	14.4	100.0	158.0	HORIZONTAL
159.693760	36.9	10.0	43.5	6.6	100.0	169.0	HORIZONTAL
231.347520	34.9	13.8	46.0	11.1	122.0	346.0	VERTICAL
377.408000	35.1	18.1	46.0	10.9	100.0	283.0	VERTICAL



**Part 2: Testing Range of “18 GHz to 26.5 GHz”**

Note: No peak found in pre- test.



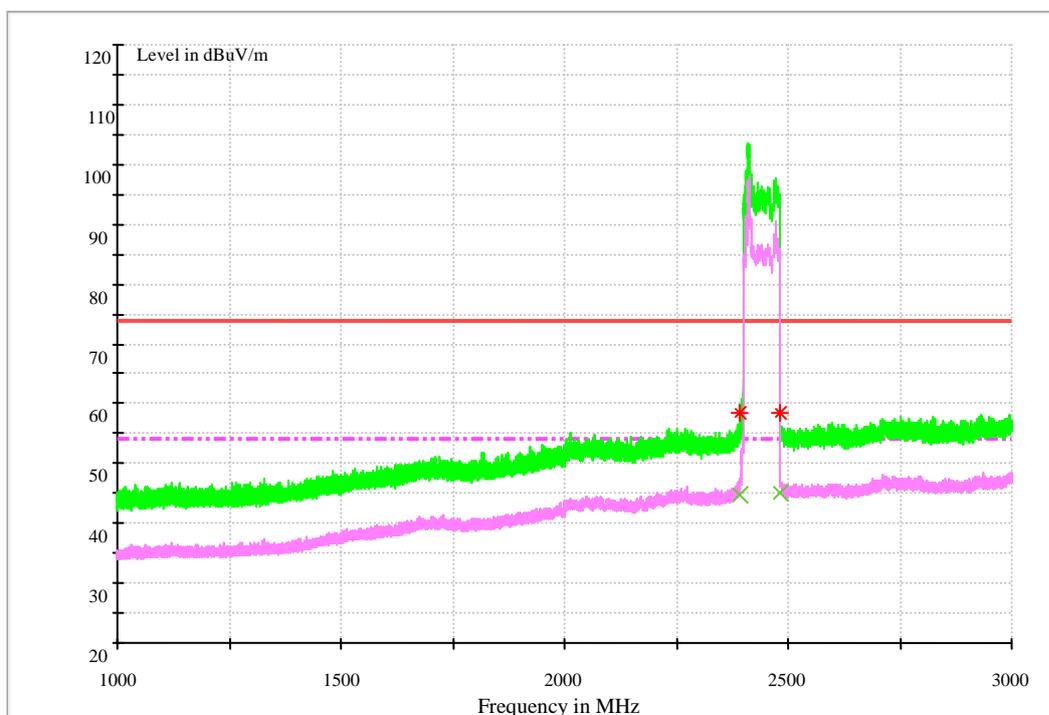


### Part 3: Testing Range of “1GHz to 3GHz”

- 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.

#### 1 Test Mode: 11b

##### 1.1 Channel 01



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

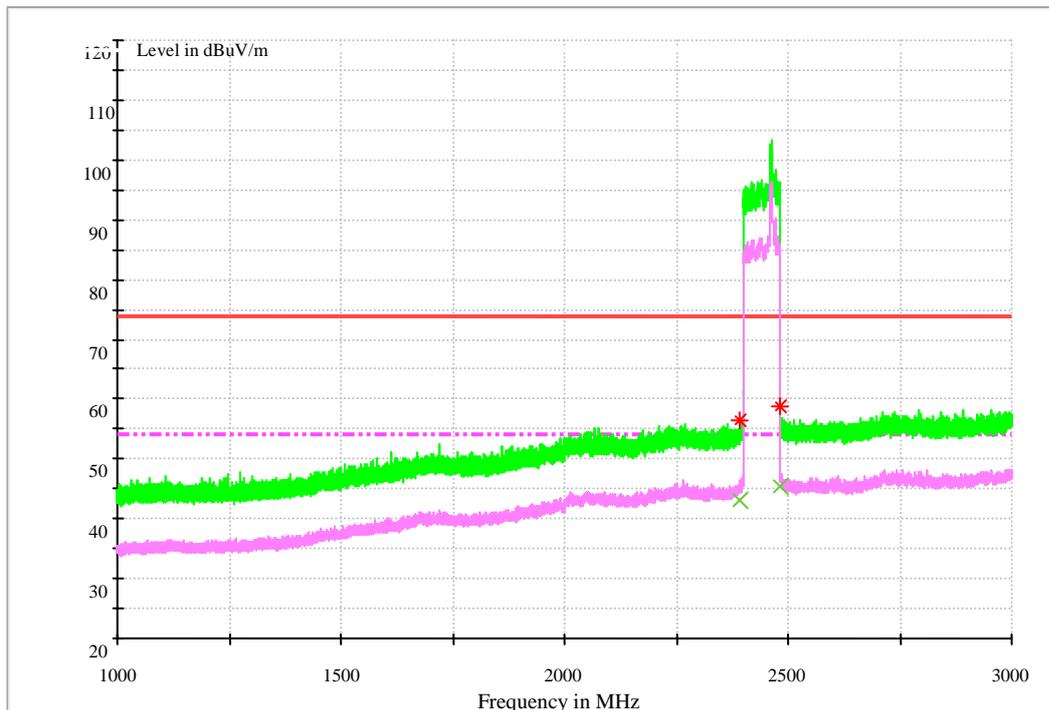
Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	58.4	38.3	74.0	15.6	100.0	203.0	HORIZONTAL
2483.500000	58.4	40.6	74.0	15.6	100.0	-32.0	HORIZONTAL



MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	44.8	38.3	54.0	9.2	100.0	199.0	VERTICAL
2483.500000	45.2	40.6	54.0	8.8	100.0	150.0	VERTICAL

1.2 Channel 11



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

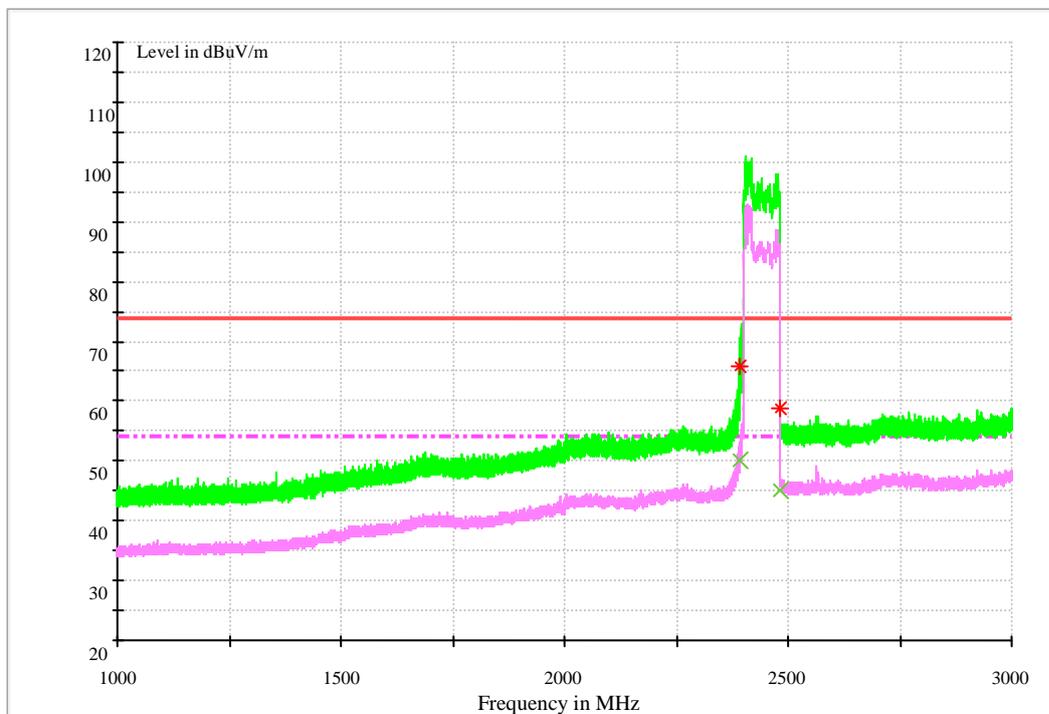
Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.6	38.3	74.0	17.4	100.0	160.0	VERTICAL
2483.500000	58.6	40.6	74.0	15.4	185.0	0.0	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.2	38.3	54.0	10.8	100.0	151.0	HORIZONTAL
2483.500000	45.6	40.6	54.0	8.4	100.0	287.0	HORIZONTAL

## 2 Test Mode: 11g

### 2.1 Channel 01



Note: The peak exceeds the limit line is carrier frequency.

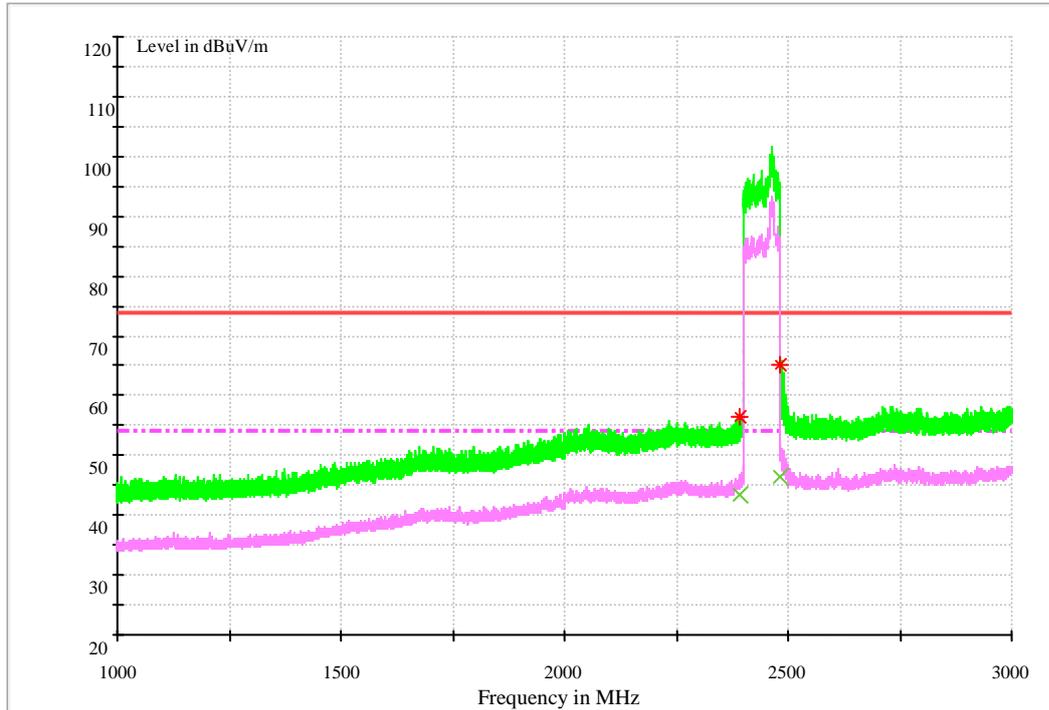
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	65.8	38.3	74.0	8.2	100.0	-9.0	VERTICAL
2483.500000	58.9	40.6	74.0	15.1	100.0	103.0	HORIZONTAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	50.0	38.3	54.0	4.0	100.0	201.0	HORIZONTAL
2483.500000	45.2	40.6	54.0	8.8	100.0	136.0	HORIZONTAL

## 2.2 Channel 11



Note: The peak exceeds the limit line is carrier frequency.

### MEASUREMENT RESULT: PK Detector

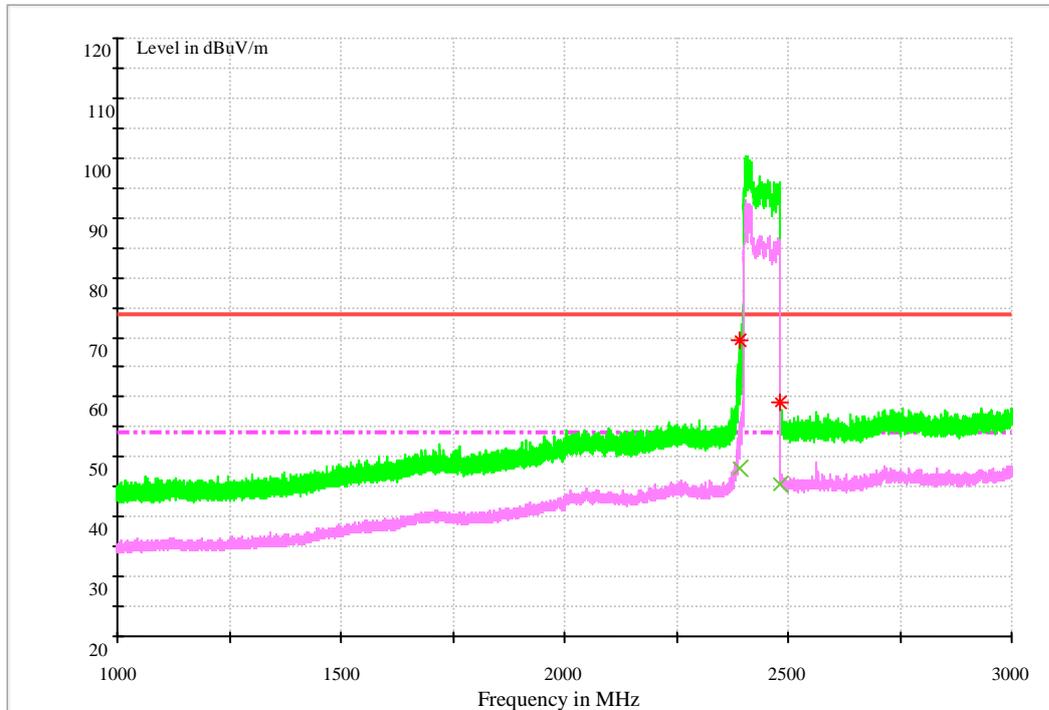
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.6	38.3	74.0	17.4	100.0	0.0	VERTICAL
2483.500000	65.1	40.6	74.0	8.9	128.0	16.0	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.2	38.3	54.0	10.8	100.0	0.0	VERTICAL
2483.500000	46.4	40.6	54.0	7.6	100.0	183.0	HORIZONTAL

### 3 Test Mode: 11n

#### 3.1 Channel 01



Note: The peak exceeds the limit line is carrier frequency.

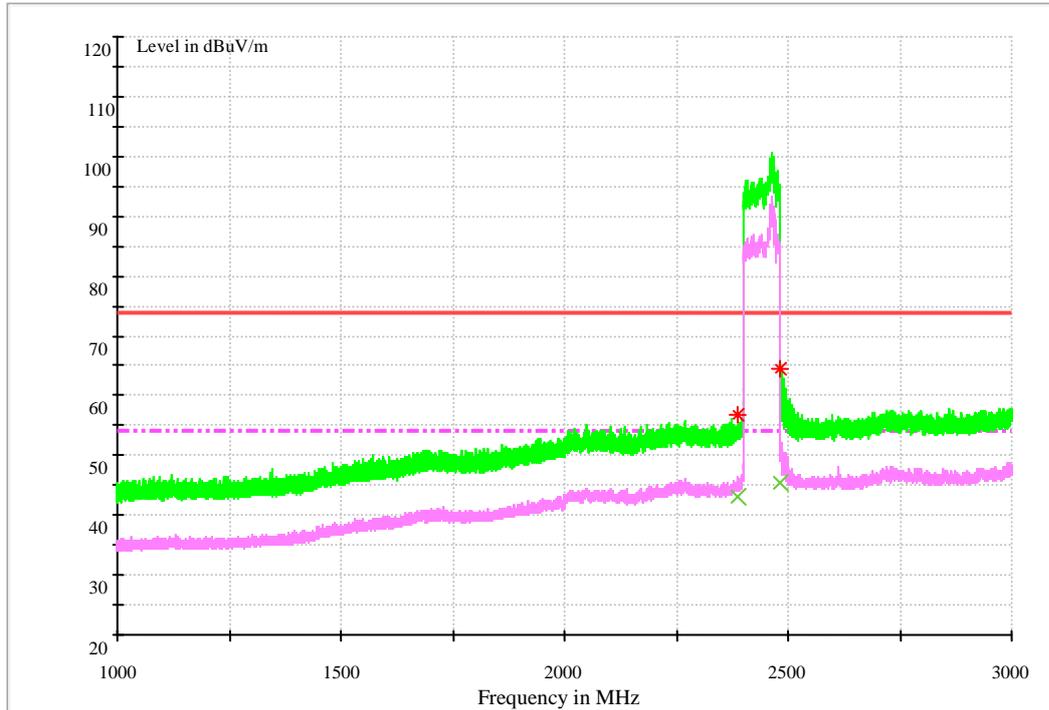
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	69.6	38.3	74.0	4.4	100.0	233.0	VERTICAL
2483.500000	59.1	40.6	74.0	14.9	100.0	0.0	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.0	38.3	54.0	6.0	100.0	216.0	HORIZONTAL
2483.500000	45.3	40.6	54.0	8.7	100.0	135.0	HORIZONTAL

### 3.2 Channel 11



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.7	38.3	74.0	17.3	100.0	62.0	HORIZONTAL
2483.500000	64.4	40.6	74.0	9.6	100.0	148.0	HORIZONTAL

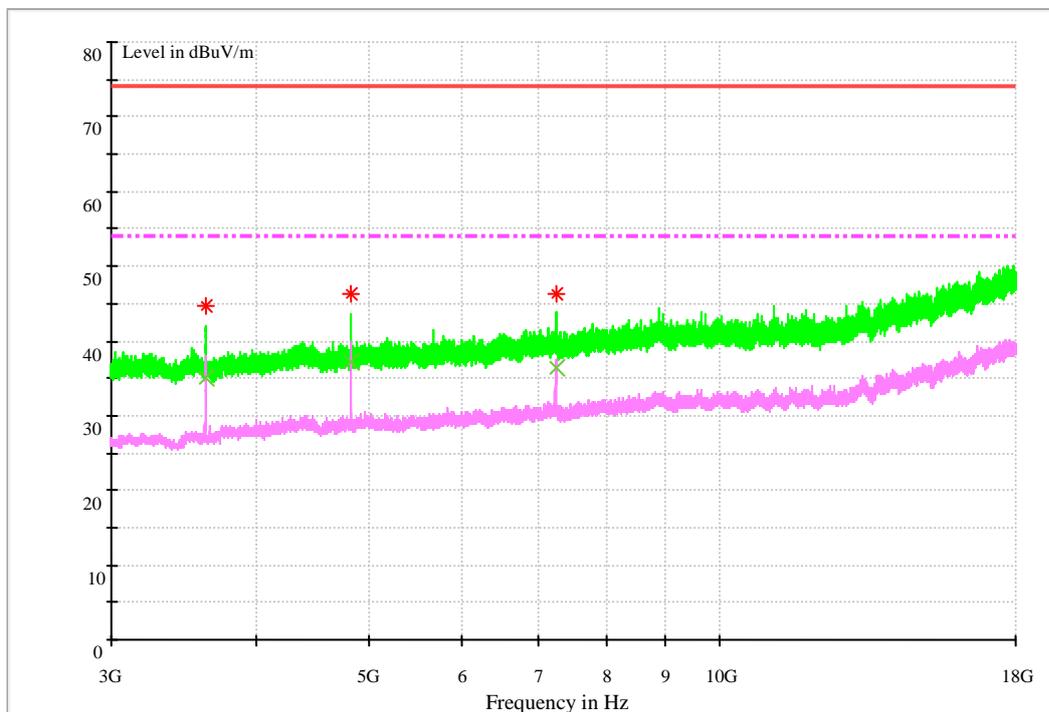
MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.2	38.3	54.0	10.8	100.0	351.0	VERTICAL
2483.500000	45.6	40.6	54.0	8.4	100.0	137.0	HORIZONTAL

### 3.3

#### 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).



#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
3618.279333	44.7	-2.6	74.0	29.3	110.0	193.0	HORIZONTAL
4824.119333	46.3	0.9	74.0	27.7	100.0	305.0	VERTICAL
7235.067333	46.2	5.3	74.0	27.8	100.0	341.0	VERTICAL



MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
3617.224667	35.1	-2.6	54.0	18.9	100.0	181.0	HORIZONTAL
4823.908667	37.3	0.9	54.0	16.7	100.0	68.0	HORIZONTAL
7234.909333	36.3	5.3	54.0	17.7	100.0	342.0	VERTICAL