



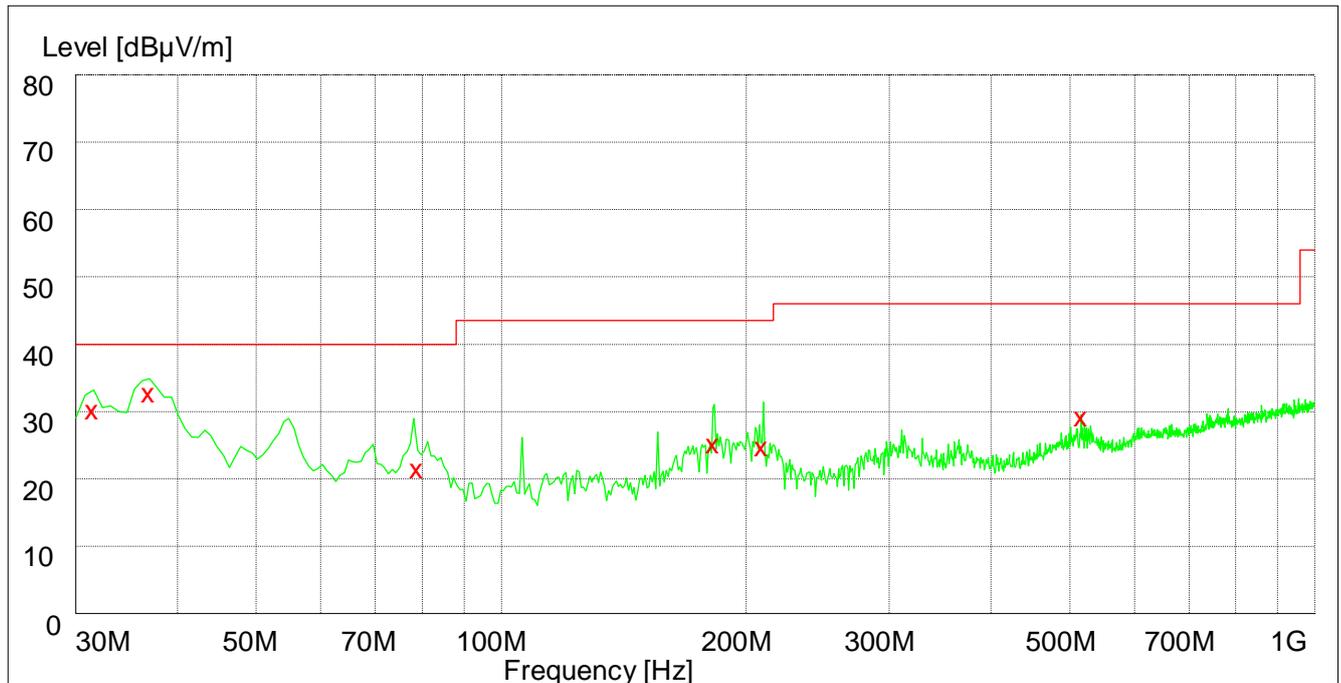
Appendix F

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 dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
31.500000	30.80	14.6	40.0	9.2	100.0	211.00	VERTICAL
36.900000	33.00	15.1	40.0	7.0	100.0	204.00	VERTICAL
78.780000	21.70	10.5	40.0	18.3	299.0	239.00	VERTICAL
182.520000	25.20	11.5	43.5	18.3	100.0	342.00	VERTICAL
209.460000	24.30	12.4	43.5	19.2	100.0	53.00	VERTICAL
515.940000	29.60	19.6	46.0	16.4	100.0	146.00	HORIZONTAL



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

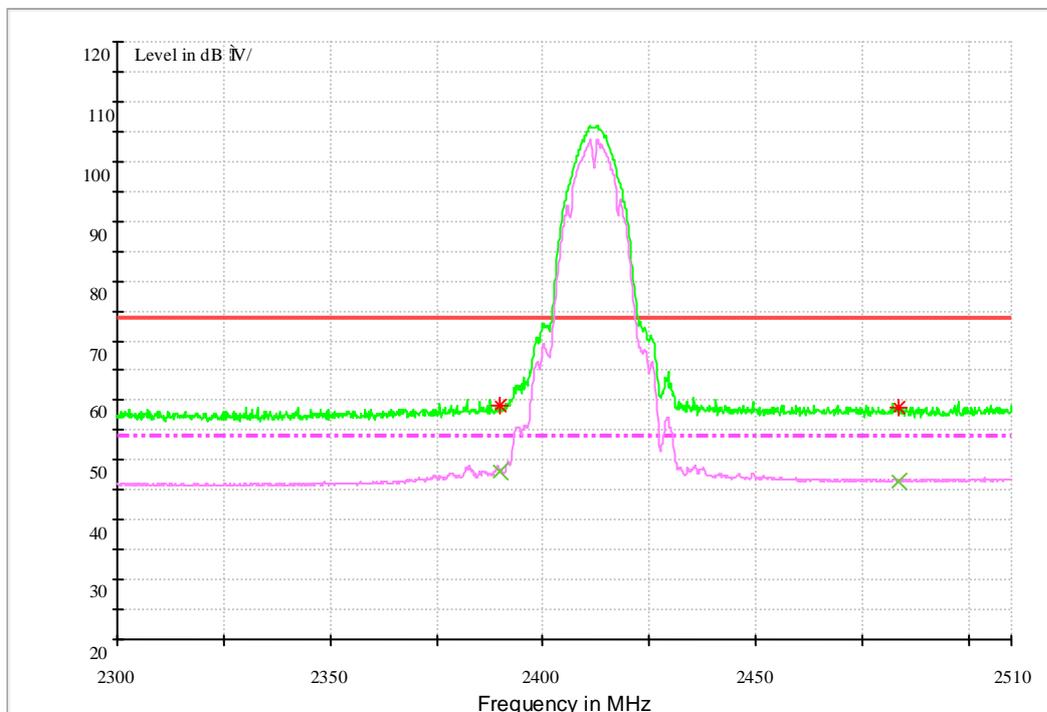
Note: No peak found in pre- test.

Part 3: Testing Range of “2.3GHz to 2.5GHz”

- Note 1: The testing range of “2.3 GHz to 2.5 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 μ V/m) and Average Limit (54 dB μ 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.

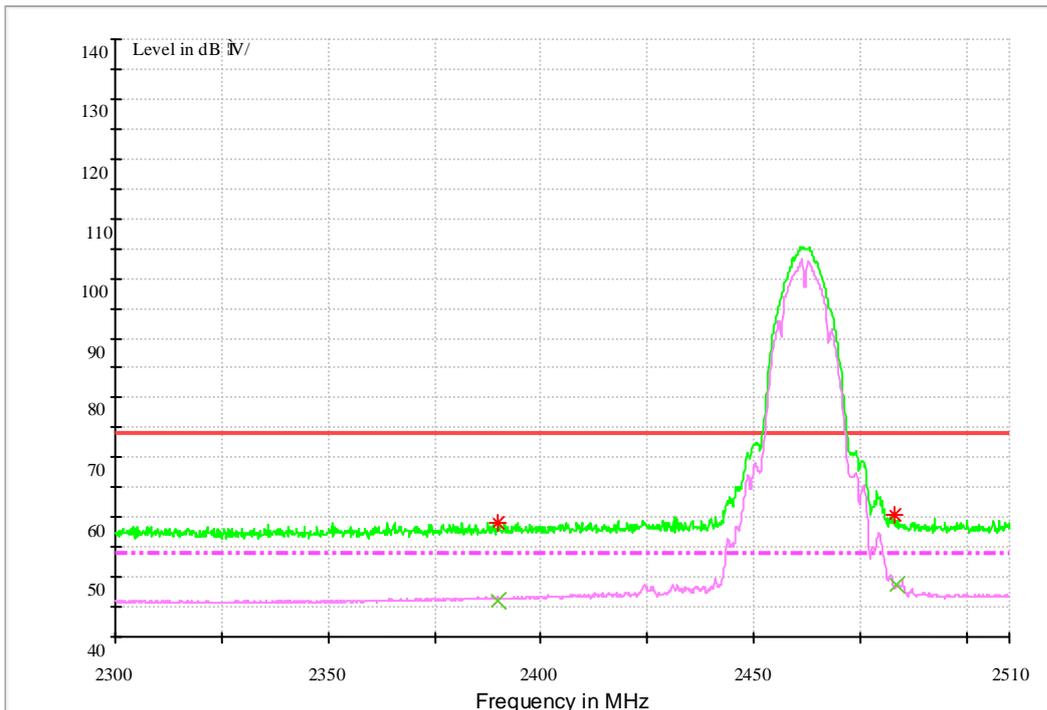
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.2	35.9	74.0	14.8	100.0	166.0	HORIZONTAL
2483.500000	58.9	36.4	74.0	15.1	300.0	159.0	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.3	35.9	54.0	5.7	100.0	154.0	HORIZONTAL
2483.500000	46.6	36.4	54.0	7.4	103.0	177.0	HORIZONTAL

1.2 Channel 11



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

MEASUREMENT RESULT: PK Detector

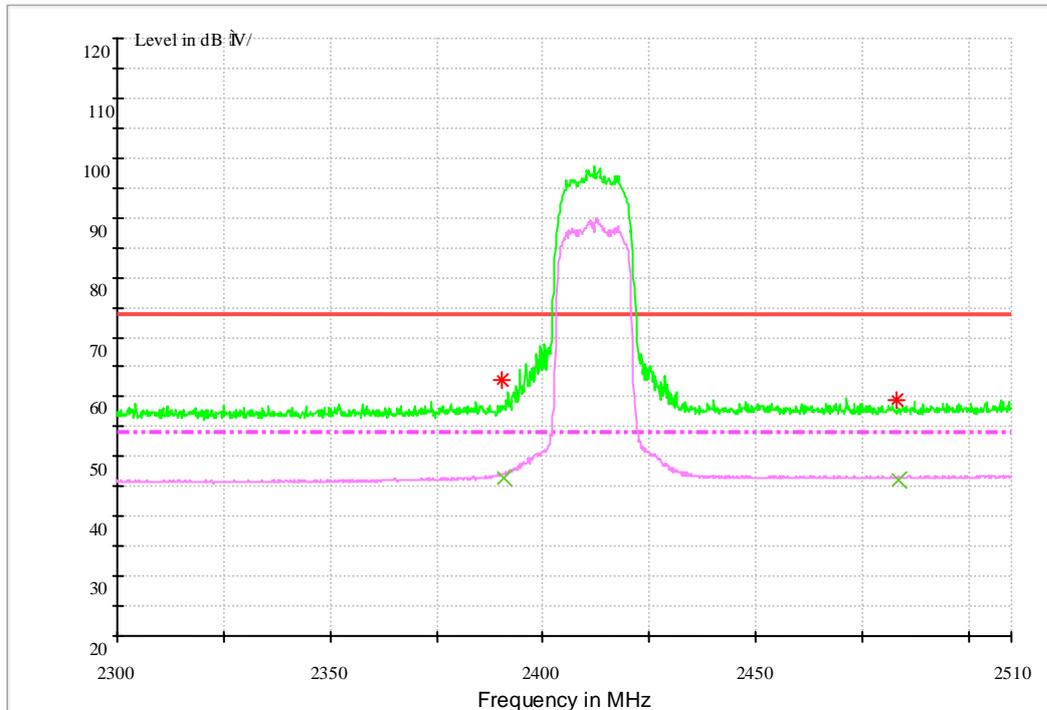
Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.2	35.9	74.0	14.8	300.0	142.0	HORIZONTAL
2483.500000	60.4	36.4	74.0	13.6	122.0	166.0	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.2	35.9	54.0	7.8	100.0	154.0	HORIZONTAL
2483.500000	48.6	36.4	54.0	5.4	100.0	184.0	HORIZONTAL

2 Test Mode: 11g

2.1 Channel 01



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

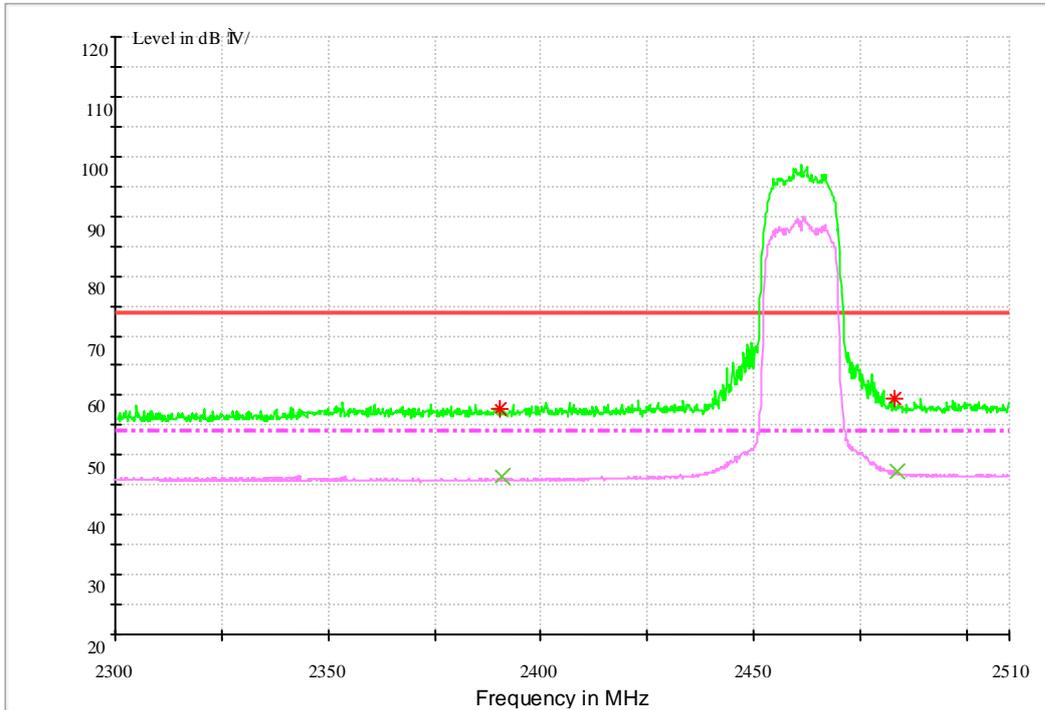
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	62.8	35.9	74.0	11.2	235.0	11.0	VERTICAL
2483.500000	59.6	36.4	74.0	14.4	136.0	45.0	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.60	35.9	54.0	7.4	100.0	349.00	VERTICAL
2483.500000	45.90	36.4	54.0	8.1	100.0	0.00	VERTICAL

2.2 Channel 11



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

MEASUREMENT RESULT: PK Detector

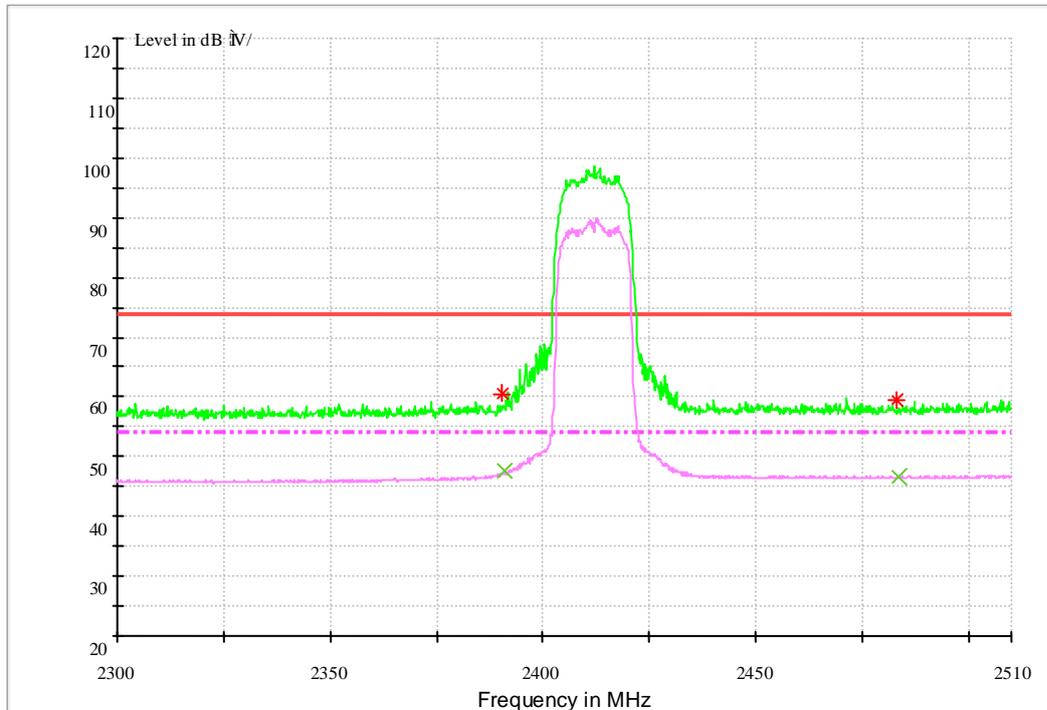
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	58.8	35.9	74.0	15.1	112.0	329.00	HORIZONTAL
2483.500000	59.6	36.4	74.0	14.4	120.0	146.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.60	35.9	54.0	7.4	129.0	253.00	VERTICAL
2483.500000	47.40	36.4	54.0	6.6	100.0	141.00	HORIZONTAL

3 Test Mode: 11n

3.1 Channel 01



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

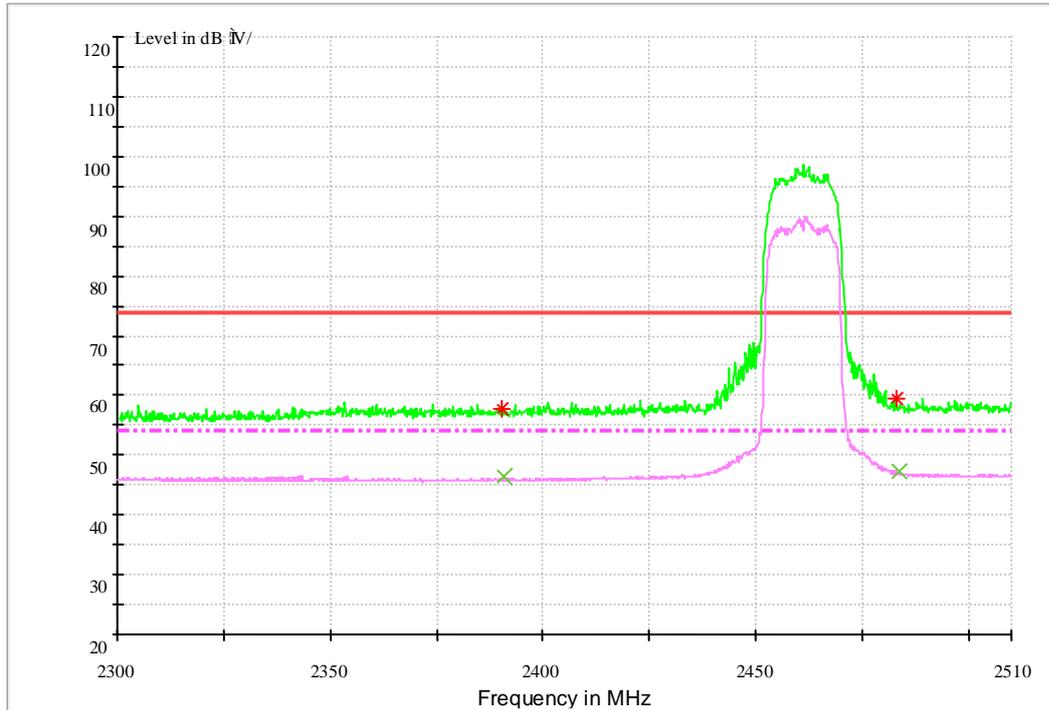
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.4	35.9	74.0	13.6	101.0	133.00	HORIZONTAL
2483.500000	59.6	36.4	74.0	14.4	123.0	232.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.2	35.9	54.0	6.8	100.0	252.00	HORIZONTAL
2483.500000	48.3	36.4	54.0	5.7	100.0	141.00	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	57.8	35.9	74.0	16.2	150.0	221.00	HORIZONTAL
2483.500000	59.7	36.4	74.0	14.3	154.0	237.00	VERTICAL

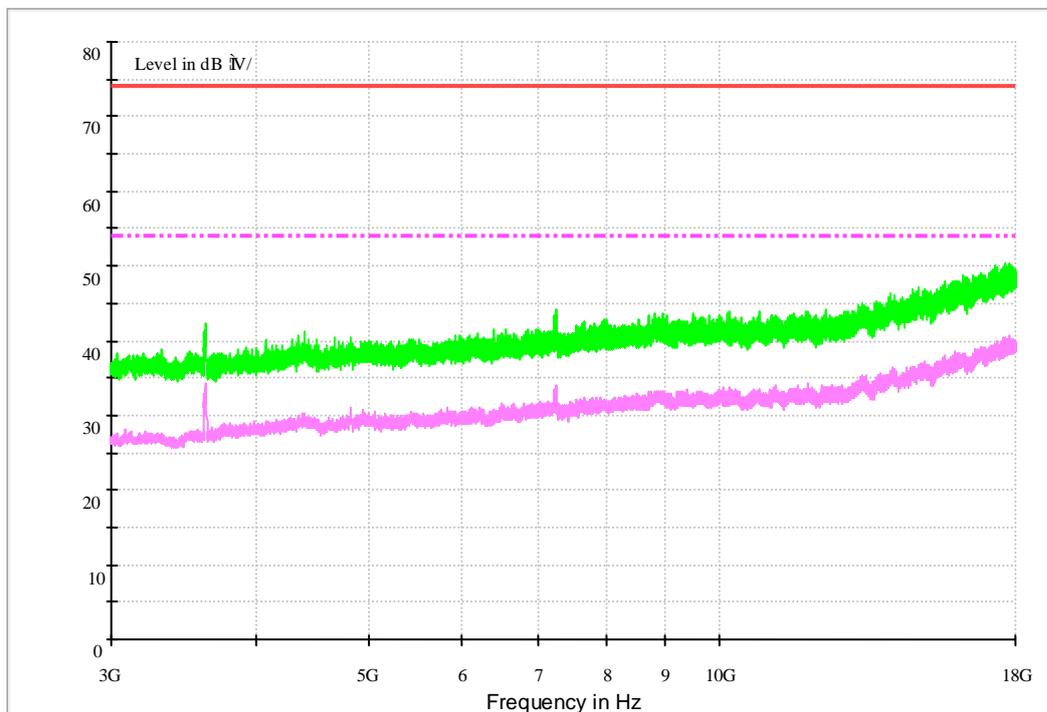
MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.5	35.9	54.0	7.5	153.0	251.00	VERTICAL
2483.500000	47.6	36.4	54.0	6.4	109.0	103.00	HORIZONTAL

3.3

Part 4: Testing Range of “1 GHz to 18 GHz”

- Note 1: The test results and plot for testing range of “1 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 “1 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 μ V/m) and Average Limit (54 dB μ V/m).



The END