



Appendix F

Radiated Spurious Emission & Spurious in Restricted Band

According to FCC Part 15.247(d) & 15.205 & 15.209
& RSS-210

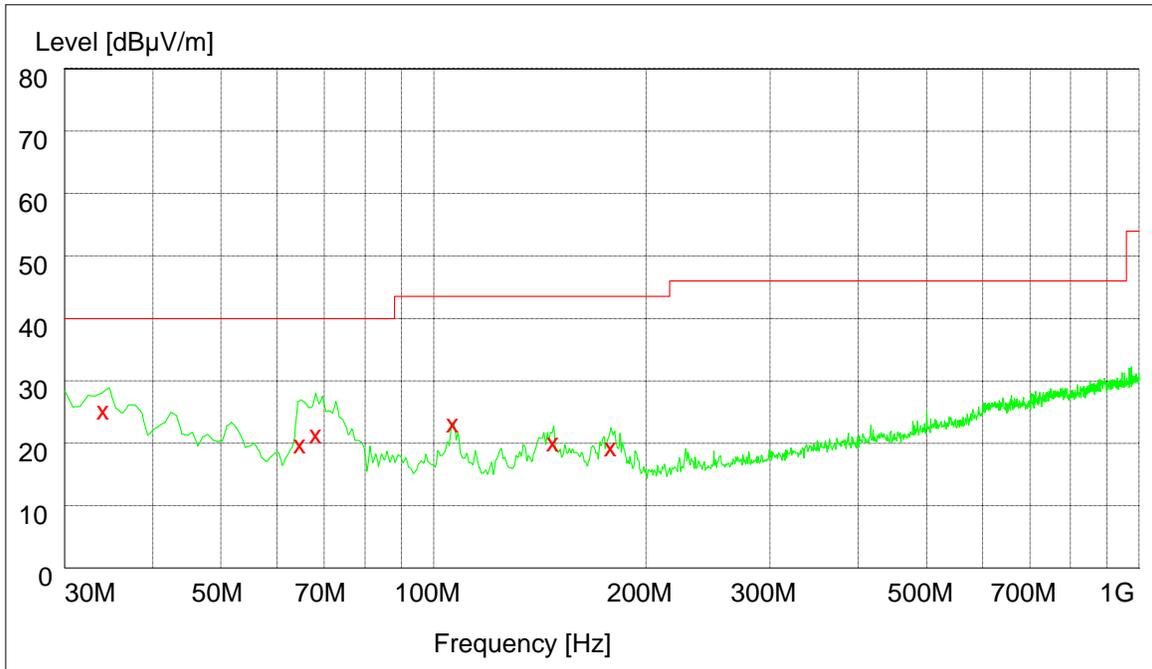


Note: Simultaneous transmission was investigated and no new emissions were found.

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).**

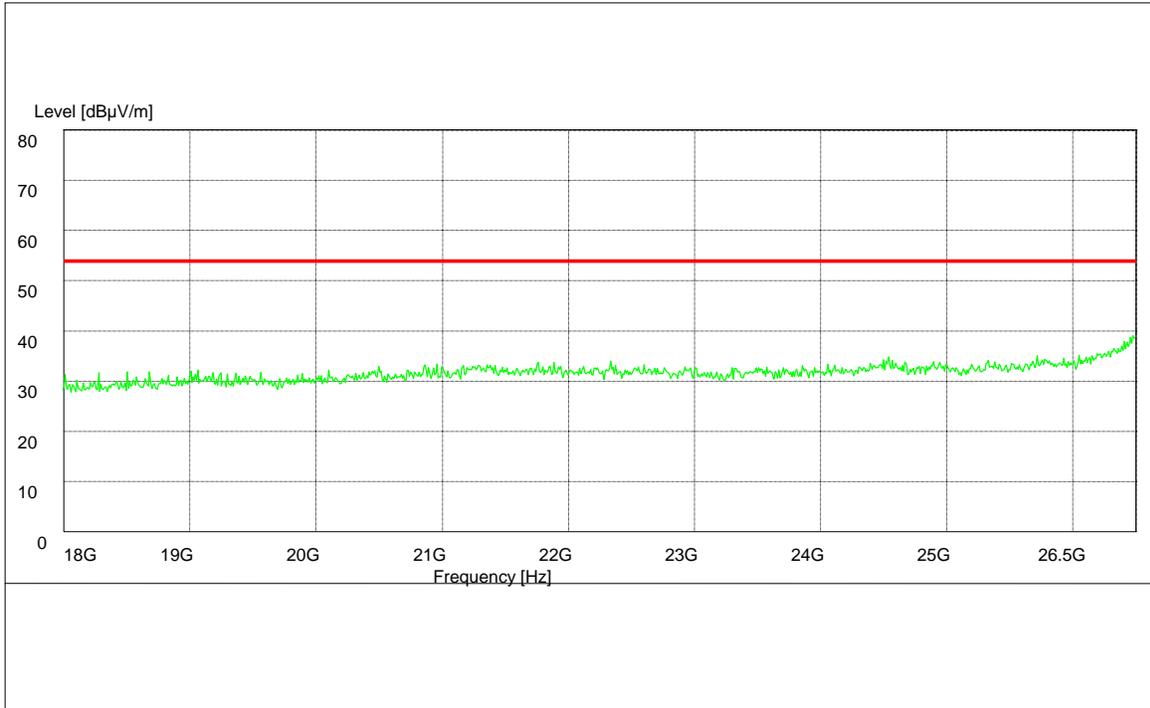


Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
34.080000	26.70	14.9	40.0	13.3	100.0	354.00	VERTICAL
64.800000	21.30	11.8	40.0	18.7	100.0	266.00	VERTICAL
68.220000	22.90	11.2	40.0	17.1	100.0	94.00	VERTICAL
106.740000	24.70	13.3	43.5	18.8	100.0	143.00	VERTICAL
148.140000	21.60	9.8	43.5	21.9	100.0	16.00	VERTICAL
178.560000	20.70	11.2	43.5	22.8	100.0	321.00	VERTICAL



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

Note: No peak found in pre- test.



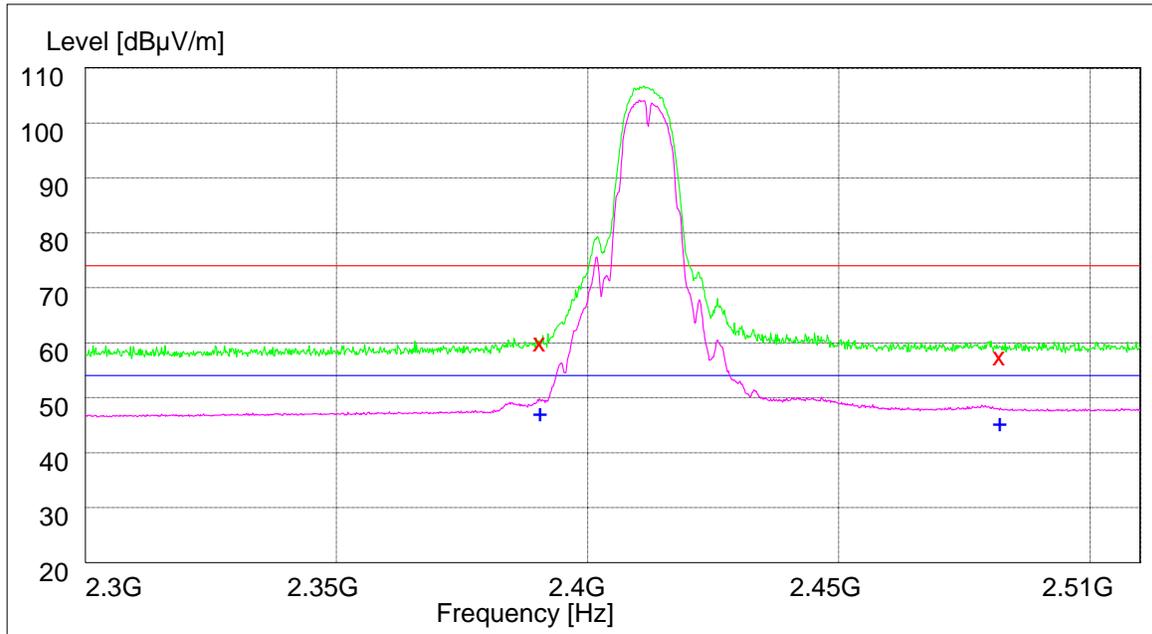


Part 3: Testing Range of “2.3GHz to 2.5GHz”

- 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 dBμV/m) and Average Limit (54 dBμV/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

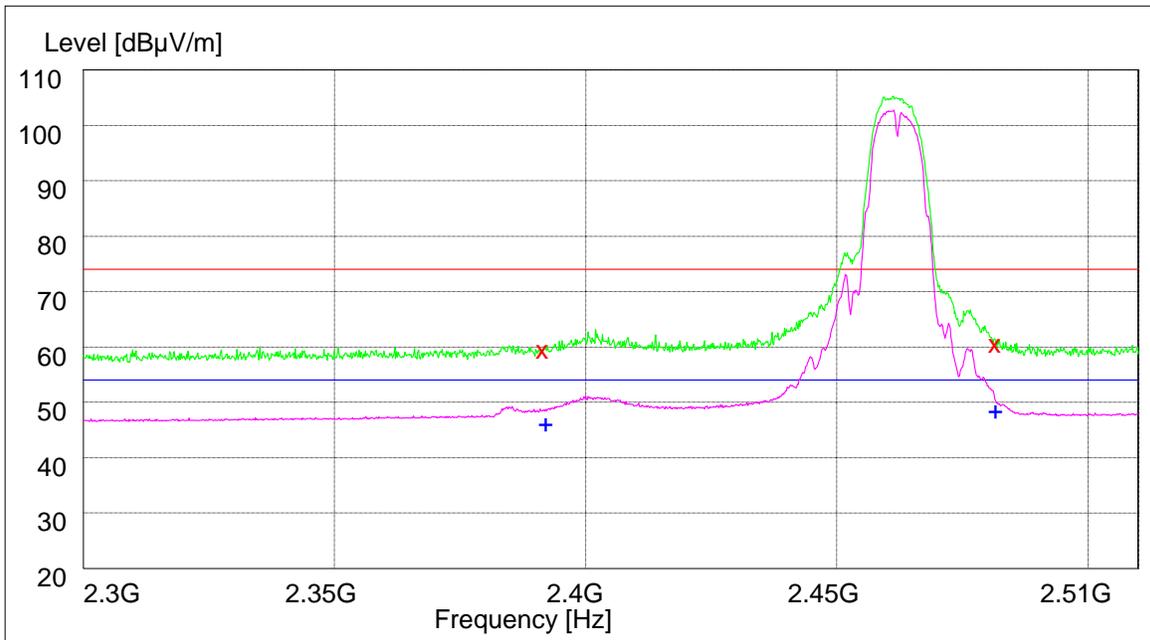
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.70	33.5	74.0	14.3	101.0	44.00	VERTICAL
2483.500000	59.20	33.7	74.0	14.8	199.0	65.00	VERTICAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.80	33.5	54.0	5.2	100.0	46.00	VERTICAL
2483.500000	47.10	33.7	54.0	6.9	100.0	44.00	VERTICAL



1.2 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	59.20	33.5	74.0	14.8	100.0	46.00	VERTICAL
2483.500000	60.30	33.7	74.0	13.7	100.0	87.00	VERTICAL

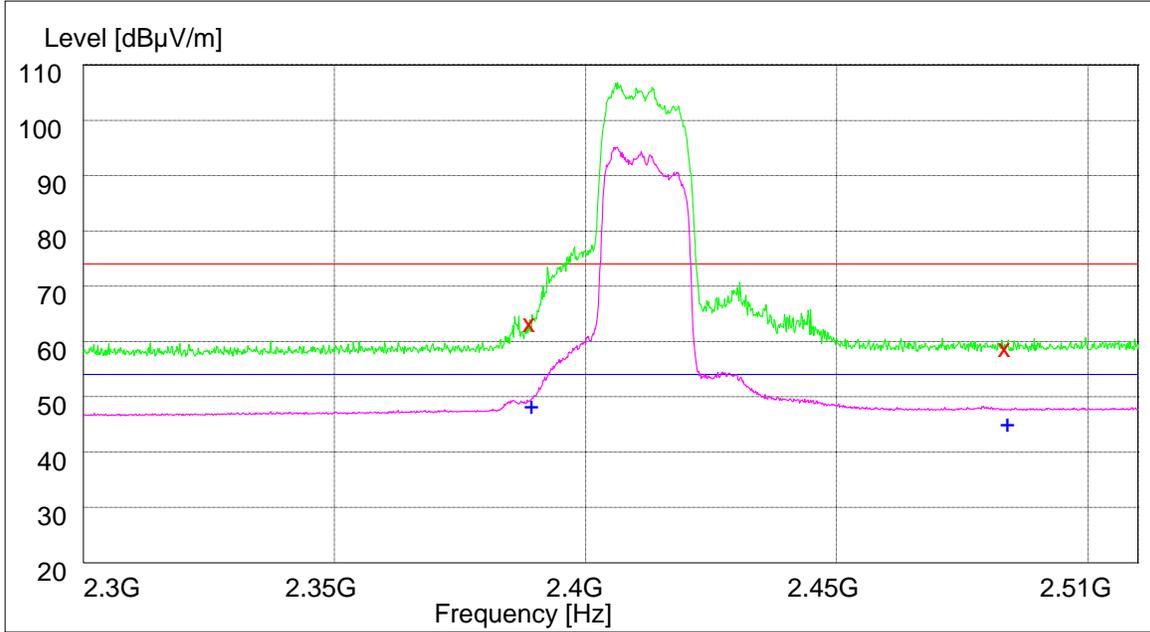
MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.90	33.5	54.0	6.1	100.0	87.00	VERTICAL
2483.500000	49.20	33.7	54.0	4.8	100.0	44.00	VERTICAL



2 Test Mode: 11g

2.1 Channel 01



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

MEASUREMENT RESULT: PK Detector

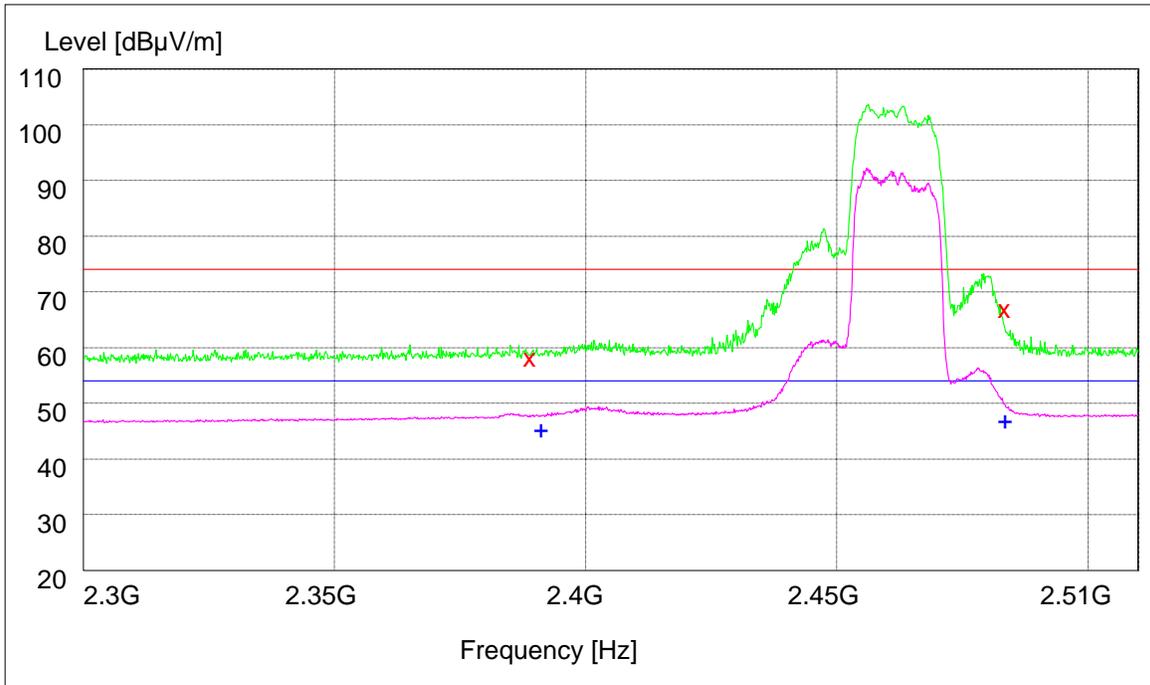
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	64.10	33.5	74.0	9.9	104.0	88.00	VERTICAL
2483.500000	60.40	33.7	74.0	13.6	149.0	125.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.90	33.5	54.0	4.1	100.0	89.00	VERTICAL
2483.500000	46.80	33.7	54.0	7.2	100.0	142.00	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	59.80	33.5	74.0	14.2	100.0	155.00	VERTICAL
2483.500000	68.60	33.7	74.0	5.4	100.0	155.00	VERTICAL

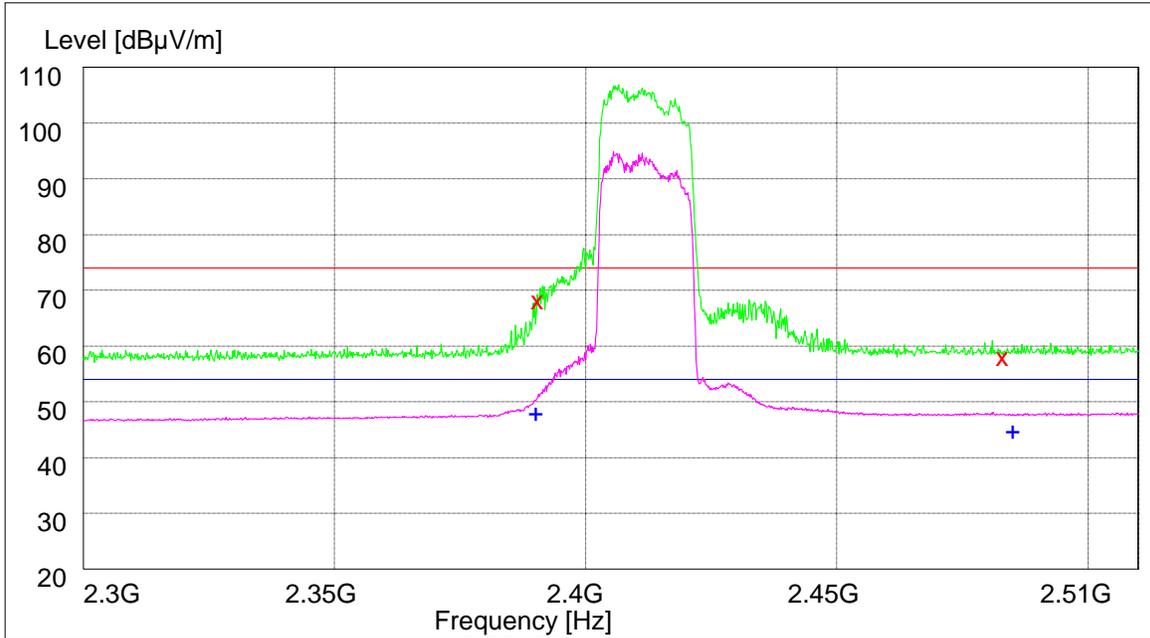
MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.90	33.5	54.0	7.1	100.0	94.00	VERTICAL
2483.500000	48.50	33.7	54.0	5.5	100.0	143.00	VERTICAL



3 Test Mode: 11n bandwidth=20MHz

3.1 Channel 01



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

MEASUREMENT RESULT: PK Detector

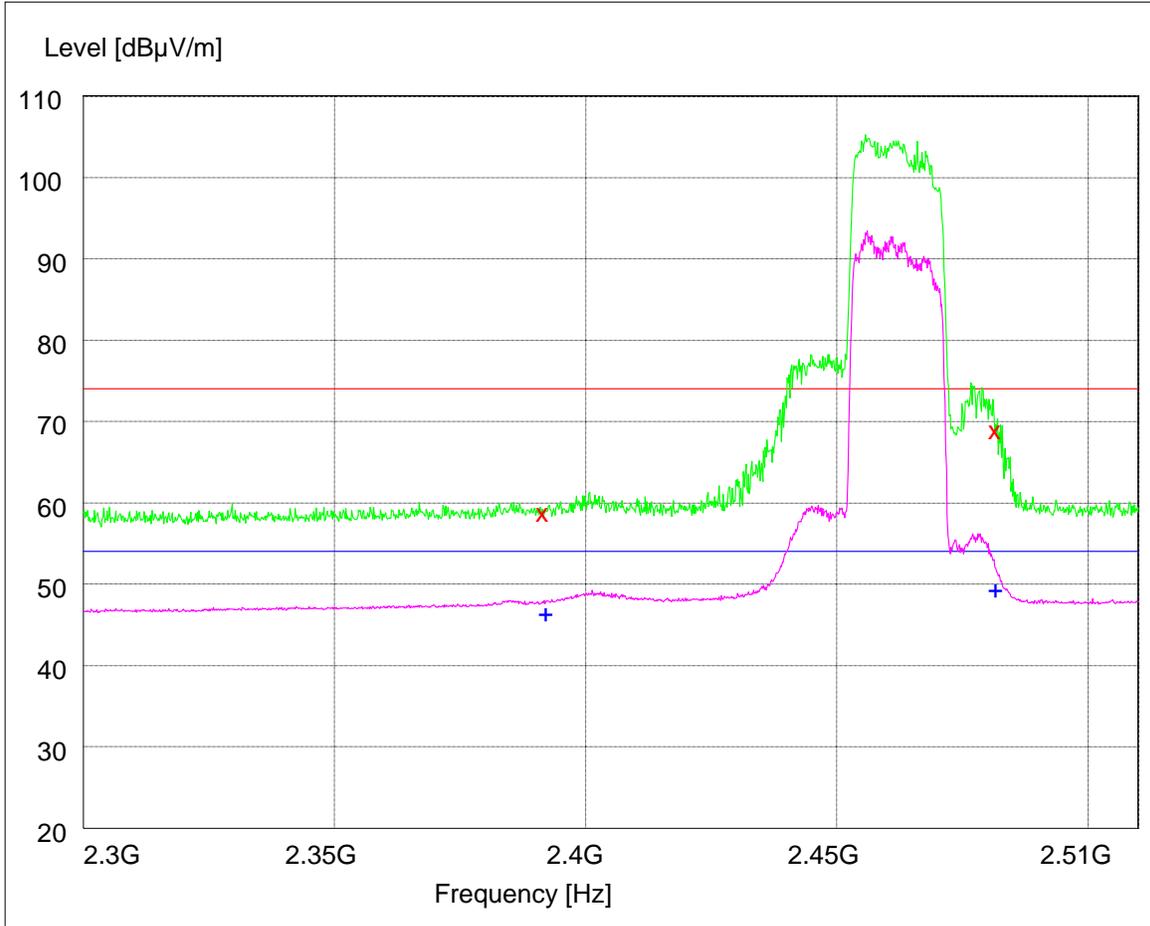
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	69.90	33.5	74.0	4.1	101.0	89.00	VERTICAL
2483.500000	59.70	33.7	74.0	14.3	185.0	201.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.70	33.5	54.0	4.3	100.0	47.00	VERTICAL
2483.500000	46.50	33.7	54.0	7.5	100.0	216.00	VERTICAL



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	59.40	33.5	74.0	14.6	102.0	0.00	VERTICAL
2483.500000	69.50	33.7	74.0	4.5	100.0	74.00	VERTICAL

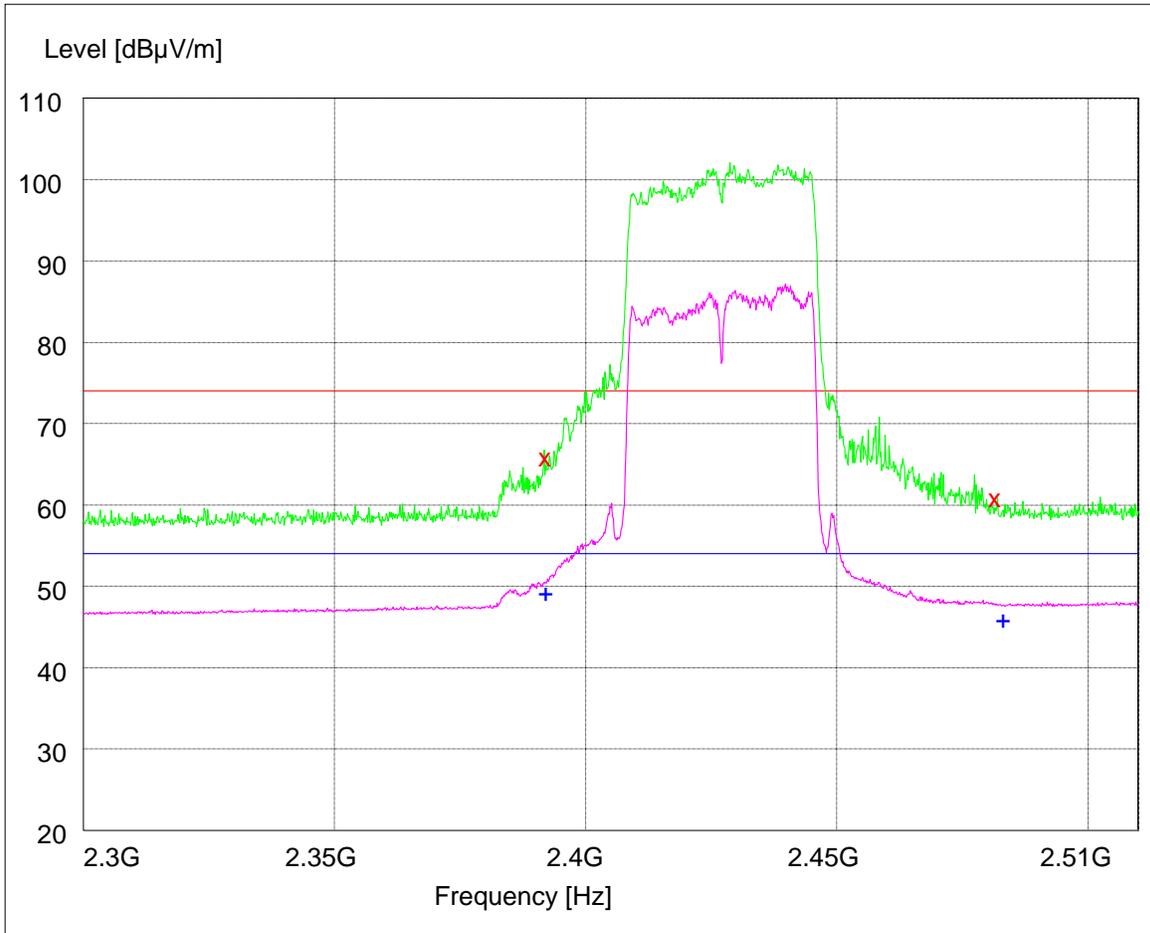
MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.90	33.5	54.0	7.1	100.0	89.00	VERTICAL
2483.500000	49.80	33.7	54.0	4.2	120.0	42.00	VERTICAL



4 Test Mode: 11n bandwidth=40MHz

4.1 Channel 03



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

MEASUREMENT RESULT: PK Detector

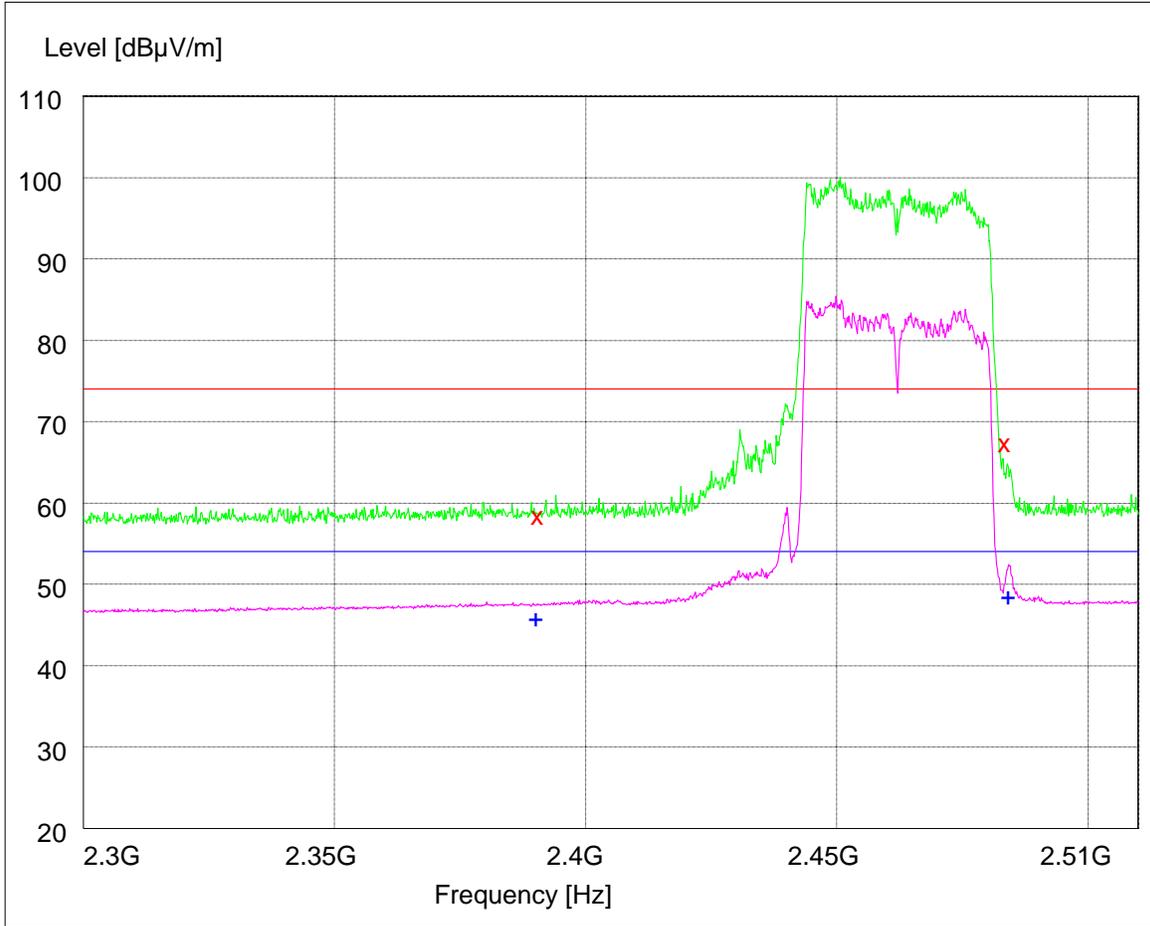
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	66.30	33.5	74.0	7.7	100.0	54.00	VERTICAL
2483.500000	61.40	33.7	74.0	12.6	100.0	42.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.80	33.5	54.0	4.2	100.0	90.00	VERTICAL
2483.500000	46.50	33.7	54.0	7.5	100.0	276.00	VERTICAL



4.2 Channel 09



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	59.00	33.5	74.0	15.0	195.0	109.00	HORIZONTAL
2483.500000	67.80	33.7	74.0	6.8	100.0	270.00	VERTICAL

MEASUREMENT RESULT: AVDetector

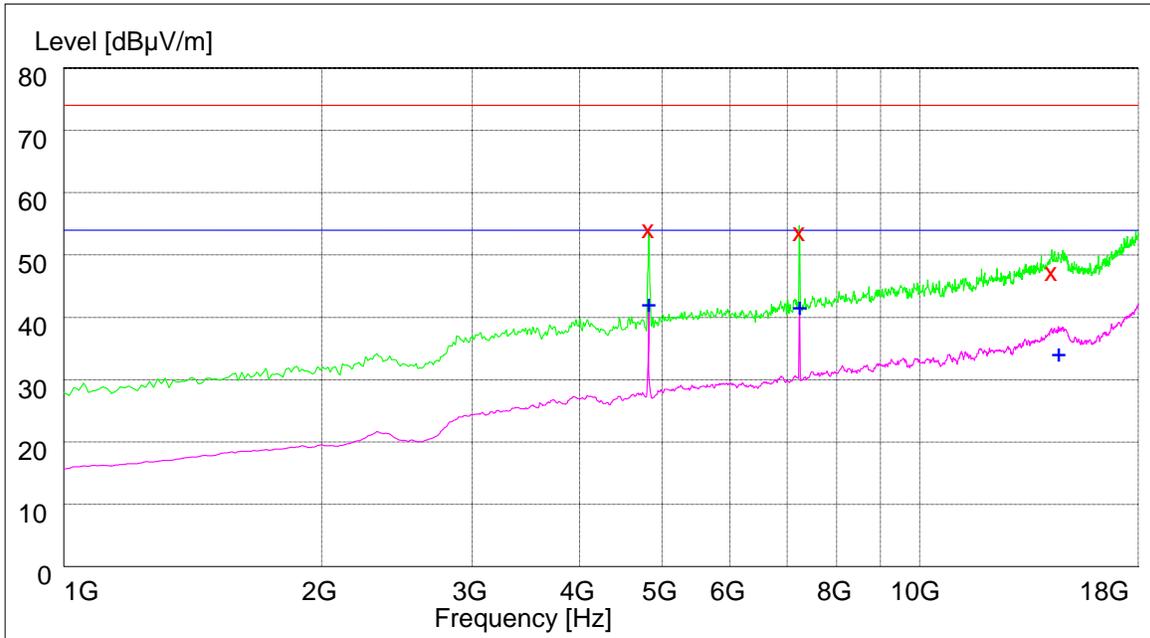
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	33.5	54.0	7.6	103.0	175.00	VERTICAL
2484.000000	49.10	33.8	54.0	4.9	103.0	272.00	VERTICAL



4.3

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).



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
4824.000000	55.60	-2.6	74.0	18.4	100.0	28.00	VERTICAL
7235.000000	55.20	2.7	74.0	18.8	103.0	102.00	VERTICAL
14262.500000	48.80	14.1	74.0	25.2	161.0	174.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
4824.000000	43.60	-2.6	54.0	10.4	100.0	31.00	VERTICAL
7235.000000	43.20	2.7	54.0	10.8	100.0	223.00	VERTICAL
14526.500000	35.60	14.5	54.0	18.4	115.0	246.00	HORIZONTAL