



Report No. : KES-RF-23T0159

Page 53 / 86

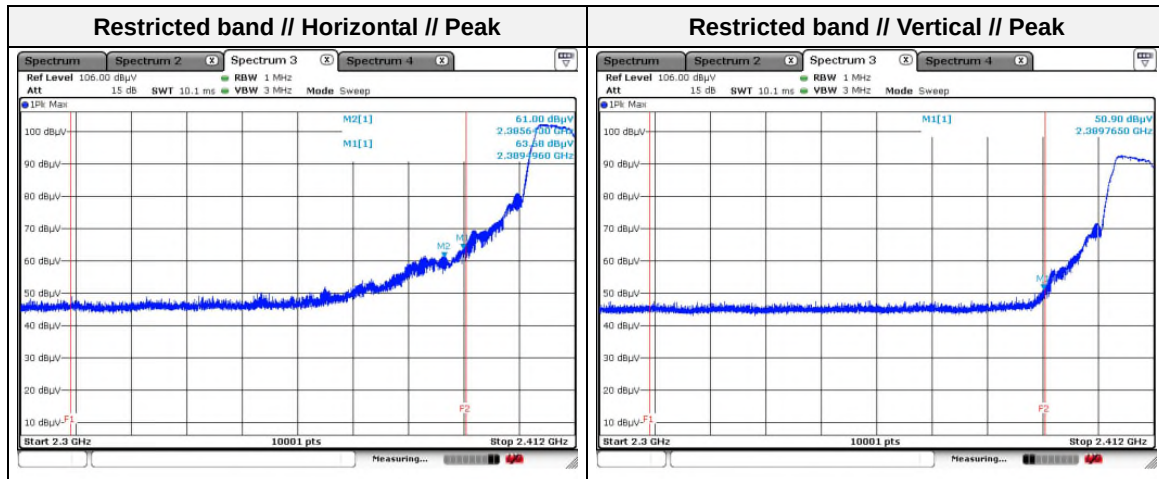
Mode: 802.11g (6 Mbps)_DC 24 V
 Distance of measurement: 3 meter
 Channel: 1

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 068.69	45.58	Peak	H	-9.12	-	36.46	74.00	37.54
1 093.69	46.36	Peak	V	-8.95	-	37.41	74.00	36.59
4 814.07	44.98	Peak	V	6.60	-	51.58	74.00	22.42
4 814.10	53.18	Peak	H	6.60	-	59.78	74.00	14.22
4 814.10	38.99	Average	H	6.60	1.37	46.96	54.00	7.04

- Band edge

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2 385.64	61.00	Peak	H	-0.73	-	60.27	74.00	13.73
2 385.64	45.71	Average	H	-0.73	1.37	46.35	54.00	7.65
2 389.50	63.58	Peak	H	-0.73	-	62.85	74.00	11.15
2 389.50	48.57	Average	H	-0.73	1.37	49.21	54.00	4.79
2 389.77	50.90	Peak	V	-0.73	-	50.17	74.00	23.83

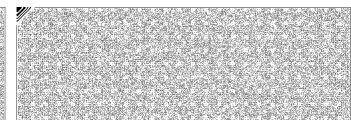
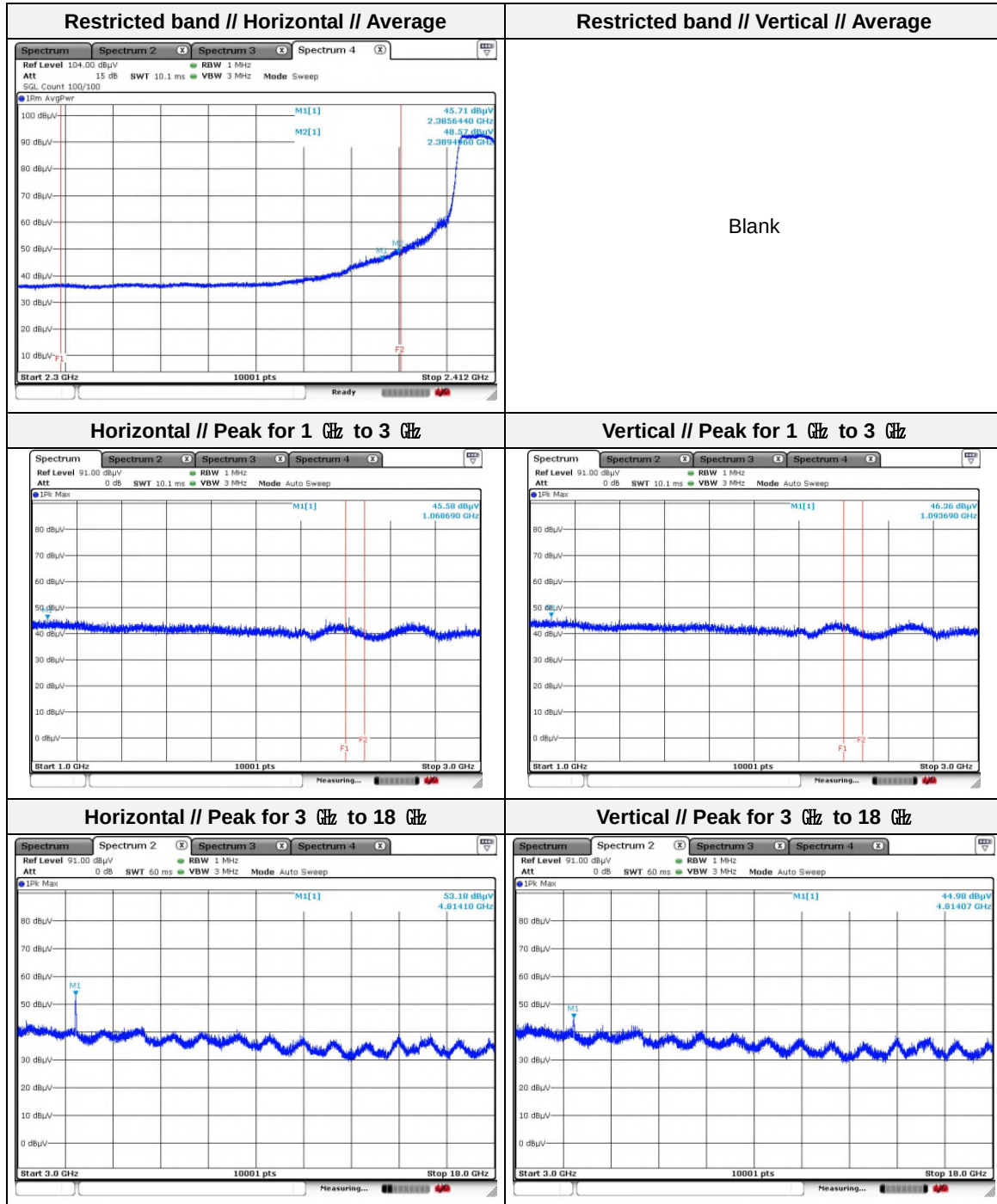


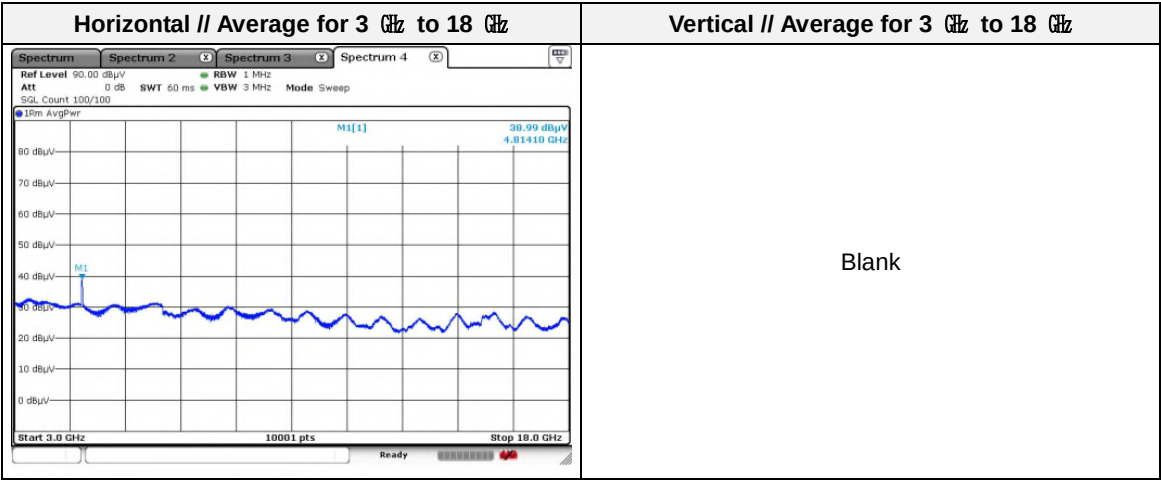
KES-QP16-F01(00-23-01-01)

KES Co., Ltd.

The authenticity of the test report, contact kes@kes.co.kr







Note.
1. Average test would be performed if the peak result were greater than the average limit.



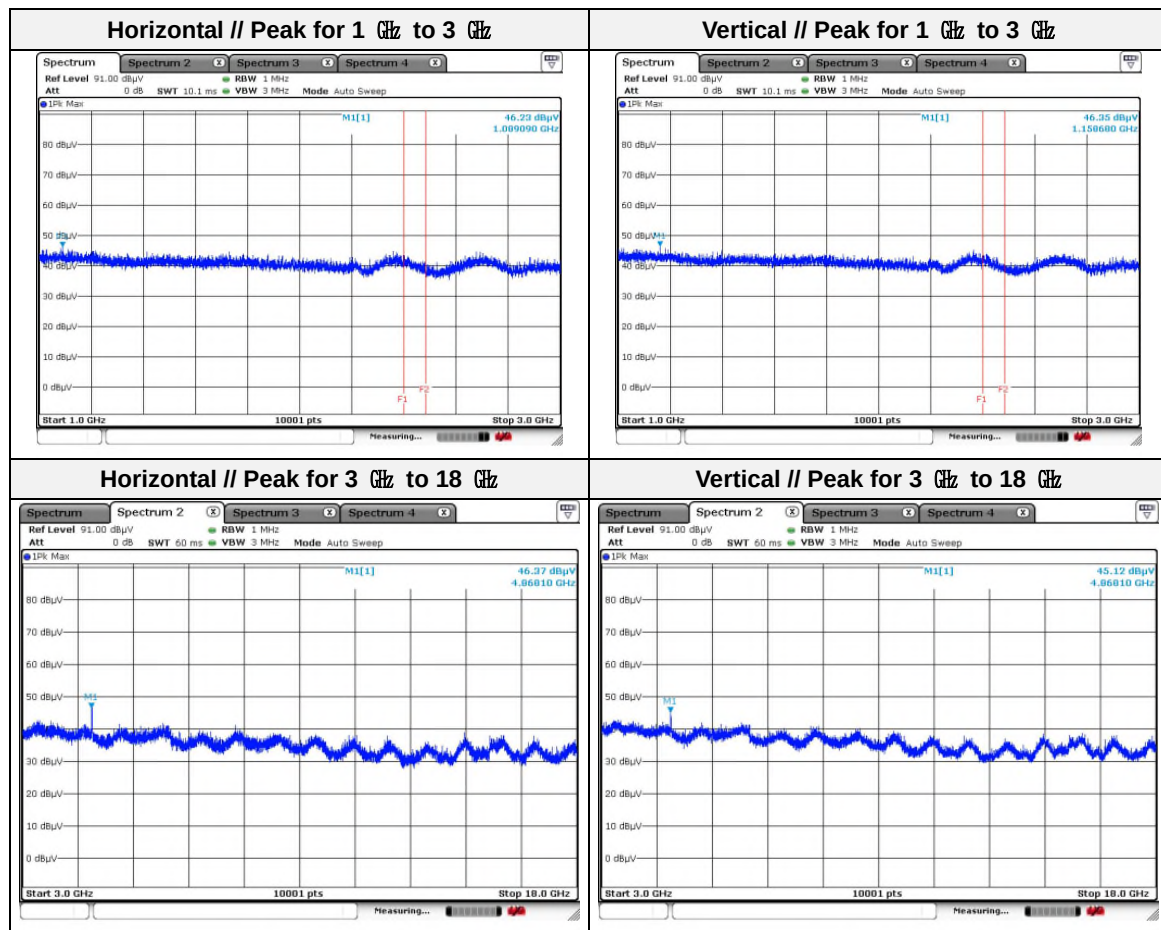
Report No. : KES-RF-23T0159

Page 56 / 86

Mode: 802.11g (6 Mbps)_DC 24 V
 Distance of measurement: 3 meter
 Channel: 6

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 089.09	46.23	Peak	H	-8.98	-	37.25	74.00	36.75
1 158.68	46.35	Peak	V	-8.50	-	37.85	74.00	36.15
4 868.10	46.37	Peak	H	6.99	-	53.36	74.00	20.64
4 868.10	45.12	Peak	V	6.99	-	52.11	74.00	21.89



Note.

1. Average test would be performed if the peak result were greater than the average limit.

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Report No. : KES-RF-23T0159

Page 57 / 86

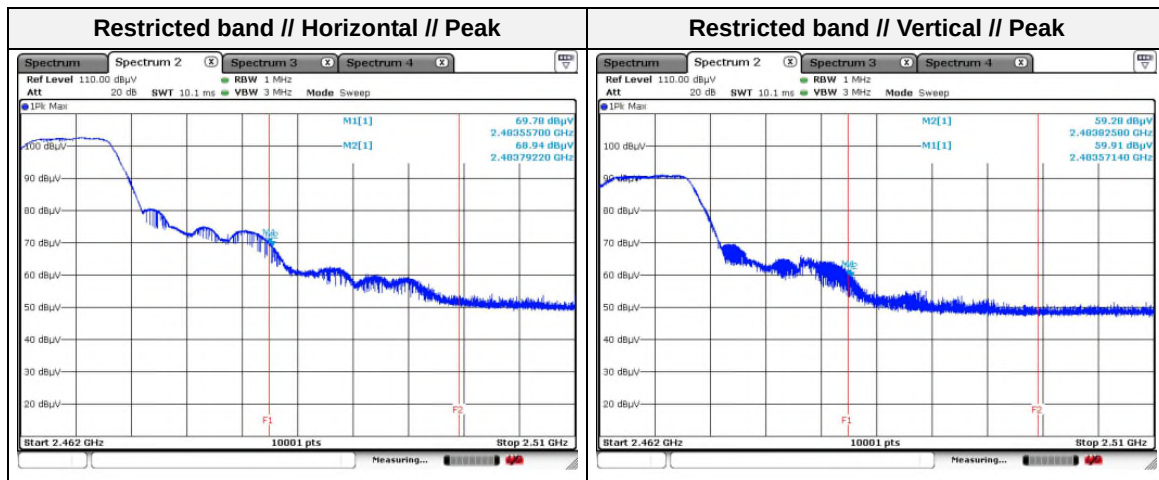
Mode: 802.11g (6 Mbps)_DC 24 V
 Distance of measurement: 3 meter
 Channel: 11

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 009.90	46.43	Peak	V	-9.53	-	36.90	74.00	37.10
1 068.49	45.65	Peak	H	-9.12	-	37.20	74.00	36.80

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
2 483.56	69.78	Peak	H	-0.57	-	69.21	74.00	4.79
2 483.56	49.48	Average	H	-0.57	1.37	50.28	54.00	3.72
2 483.57	59.91	Peak	V	-0.57	-	59.34	74.00	14.66
2 483.57	40.65	Average	V	-0.57	1.37	41.45	54.00	12.55
2 483.79	68.94	Peak	H	-0.57	-	68.37	74.00	5.63
2 483.79	47.57	Average	H	-0.57	1.37	48.37	54.00	5.63
2 483.83	59.28	Peak	V	-0.57	-	58.71	74.00	15.29
2 483.83	40.46	Average	V	-0.57	1.37	41.26	54.00	12.74

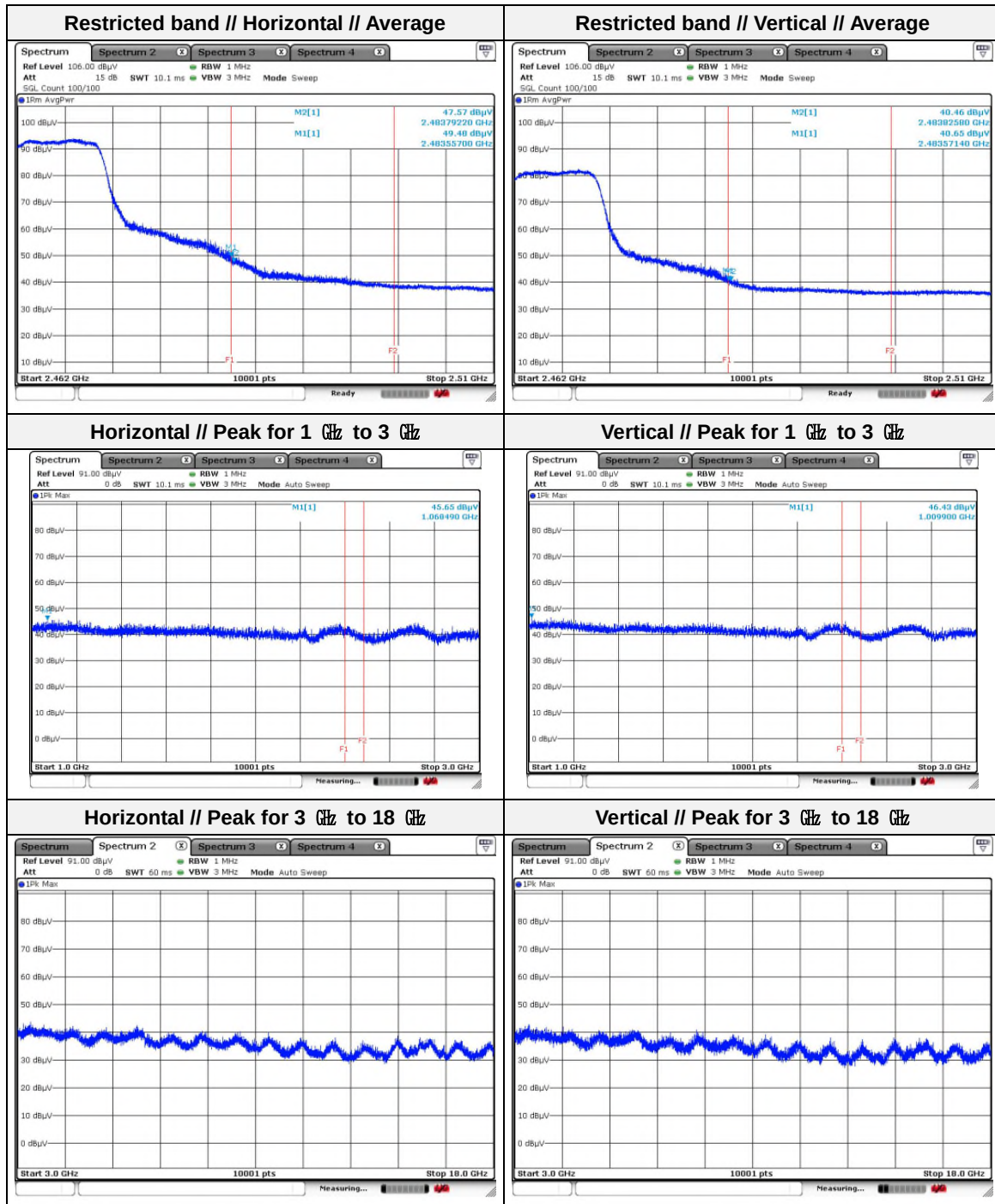


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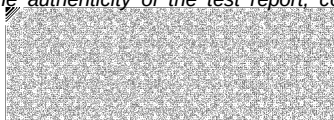
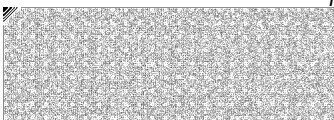
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Note.

1. No spurious emission were detected above 3 GHz.
2. Average test would be performed if the peak result were greater than the average limit.



Report No. : KES-RF-23T0159

Page 59 / 86

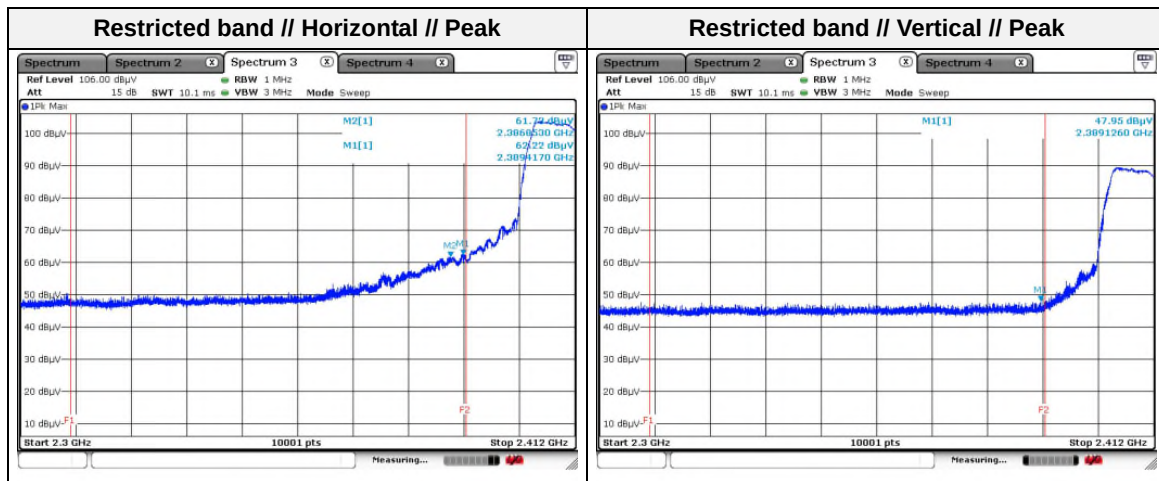
Mode: 802.11n_HT20 (MCS0)_DC 12 V
 Distance of measurement: 3 meter
 Channel: 1

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 003.90	46.35	Peak	H	-9.57	-	36.78	74.00	37.22
1 101.29	45.39	Peak	V	-8.90	-	36.49	74.00	37.51
4 814.10	46.47	Peak	V	6.60	-	53.07	74.00	20.93
4 827.60	51.56	Peak	H	6.70	-	58.26	74.00	15.74
4 827.60	38.69	Average	H	6.70	1.31	46.70	54.00	7.30

- Band edge

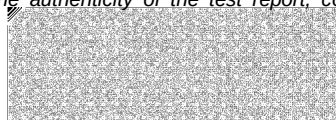
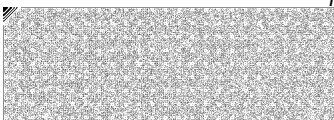
Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
2 386.85	61.73	Peak	H	-0.73	-	61.00	74.00	13.00
2 386.85	47.78	Average	H	-0.73	1.31	48.36	54.00	5.64
2 389.13	47.95	Peak	V	-0.73	-	47.22	74.00	26.78
2 389.42	62.22	Peak	H	-0.73	-	61.49	74.00	12.51
2 389.42	48.32	Average	H	-0.73	1.31	48.90	54.00	5.10

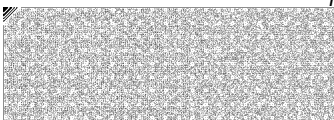
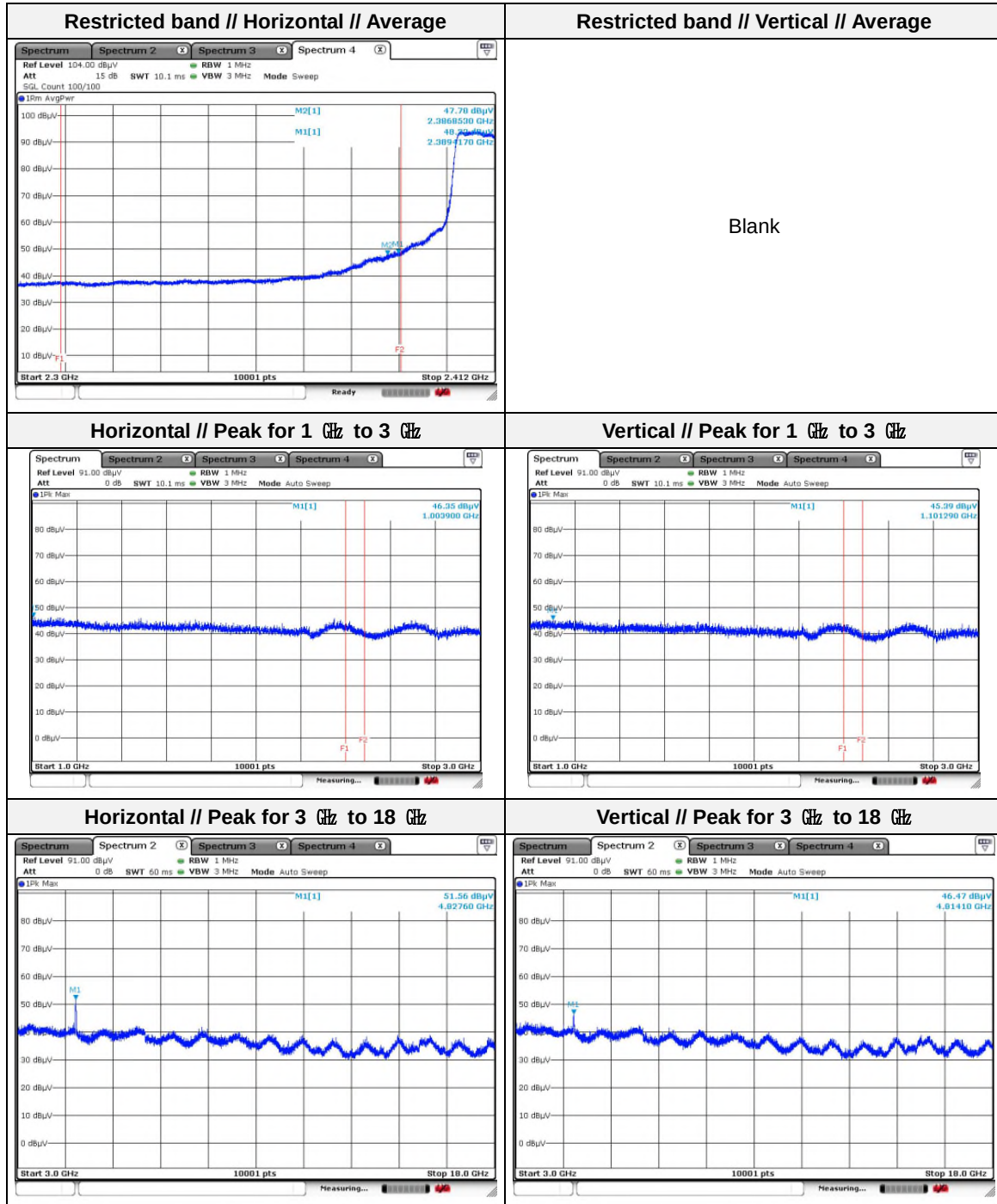


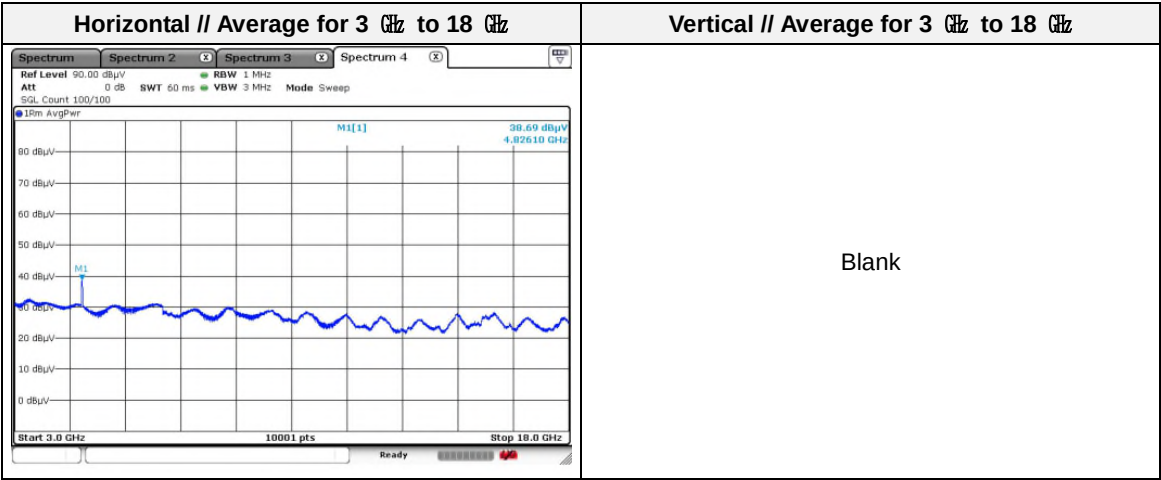
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KES Co., Ltd.

The authenticity of the test report, contact kes@kes.co.kr







Note.
1. Average test would be performed if the peak result were greater than the average limit.



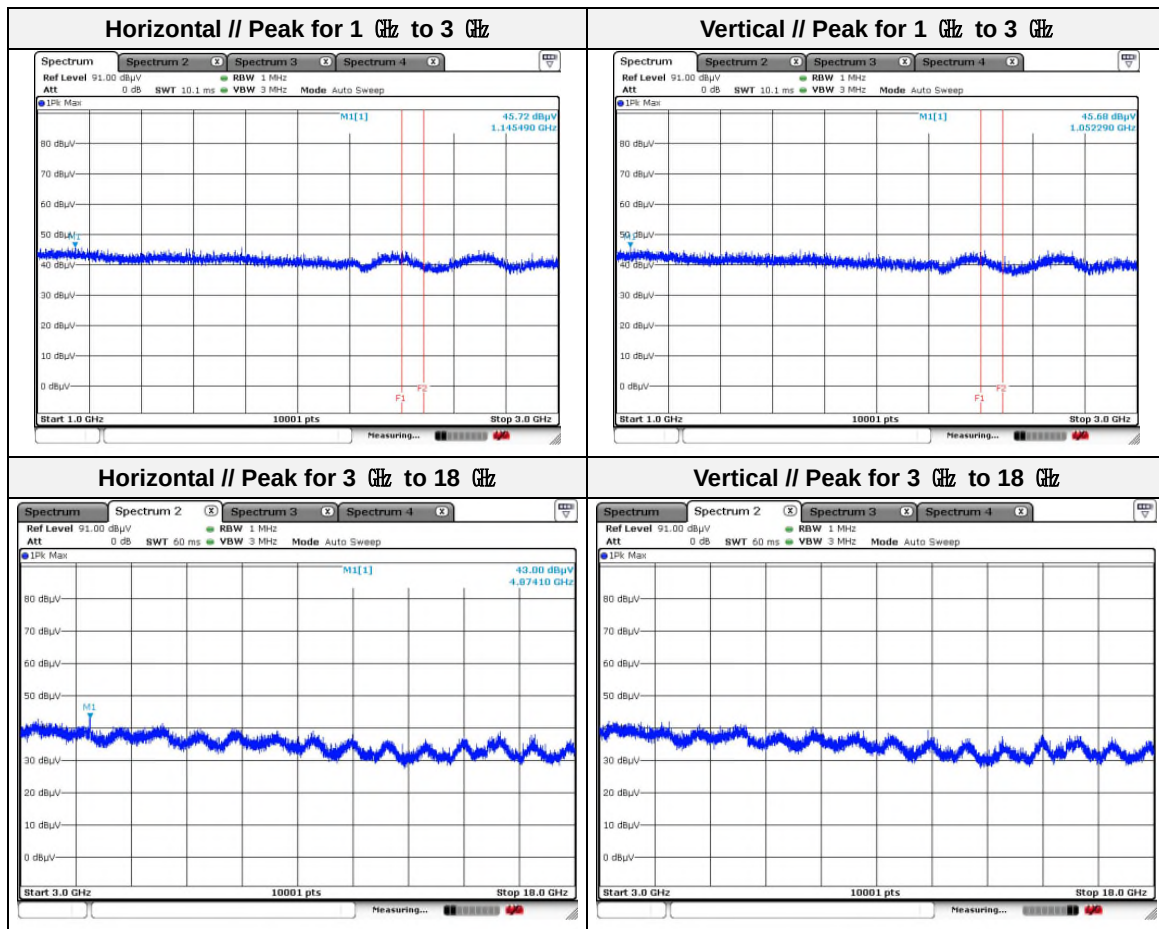
Report No. : KES-RF-23T0159

Page 62 / 86

Mode: 802.11n_HT20 (MCS0)_DC 12 V
 Distance of measurement: 3 meter
 Channel: 6

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 052.29	45.68	Peak	V	-9.24	-	36.44	74.00	37.56
1 145.49	45.72	Peak	H	-8.59	-	37.13	74.00	36.87
4 874.10	43.00	Peak	H	7.03	-	50.03	74.00	23.97



Note.

1. Average test would be performed if the peak result were greater than the average limit.

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Report No. : KES-RF-23T0159

Page 63 / 86

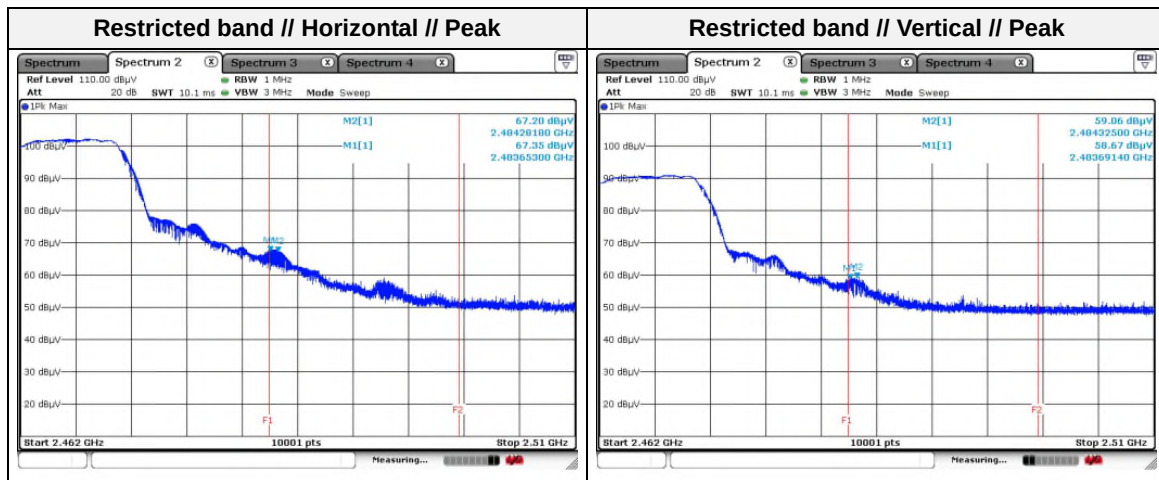
Mode: 802.11n_HT20 (MCS0)_DC 12 V
 Distance of measurement: 3 meter
 Channel: 11

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 002.10	45.86	Peak	H	-9.59	-	36.94	74.00	37.06
1 177.08	46.17	Peak	V	-8.37	-	37.80	74.00	36.20

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
2 483.65	67.35	Peak	H	-0.57	-	66.78	74.00	7.22
2 483.65	49.59	Average	H	-0.57	1.31	50.33	54.00	3.67
2 483.69	58.67	Peak	V	-0.57	-	58.10	74.00	15.90
2 483.69	43.21	Average	V	-0.57	1.31	43.95	54.00	10.05
2 484.28	67.20	Peak	H	-0.57	-	66.63	74.00	7.37
2 484.28	48.98	Average	H	-0.57	1.31	49.72	54.00	4.28
2 484.33	59.06	Peak	V	-0.57	-	58.49	74.00	15.51
2 484.33	41.01	Average	V	-0.57	1.31	41.75	54.00	12.25

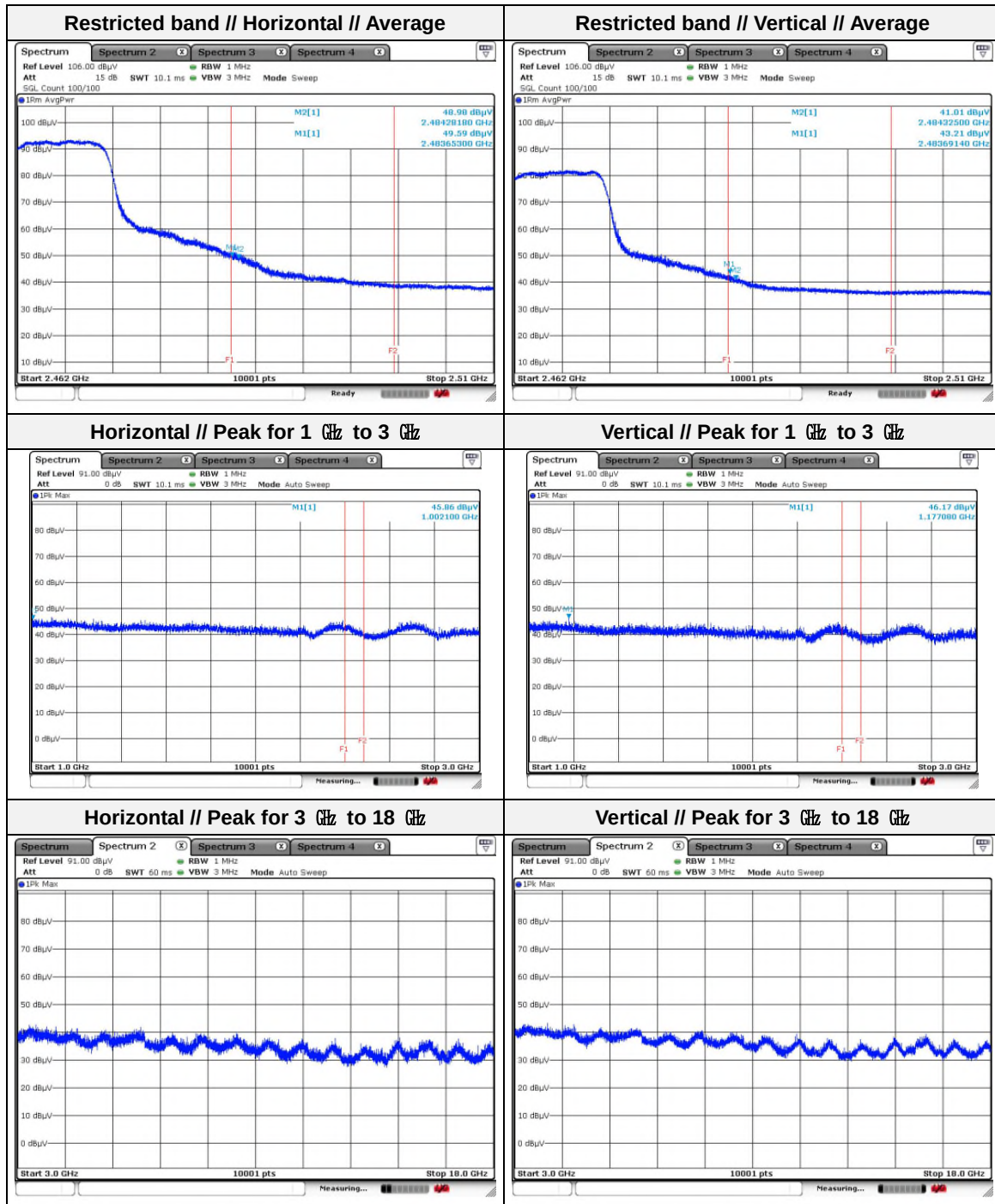


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Note.

1. No spurious emission were detected above 3 GHz.
2. Average test would be performed if the peak result were greater than the average limit.



Report No. : KES-RF-23T0159

Page 65 / 86

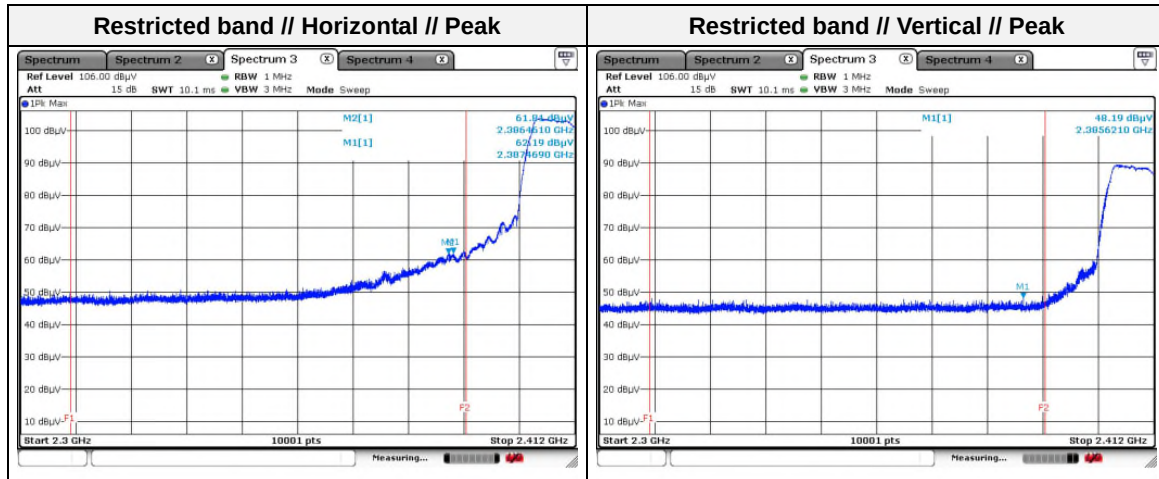
Mode: 802.11n_HT20 (MCS0)_DC 24 V
 Distance of measurement: 3 meter
 Channel: 1

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 054.29	45.61	Peak	H	-9.22	-	36.39	74.00	37.61
1 175.68	46.51	Peak	V	-8.38	-	38.13	74.00	35.87
1 946.01	46.04	Peak	V	-1.98	-	44.06	74.00	29.94
4 814.10	45.83	Peak	V	6.60	-	52.43	74.00	21.57
4 826.10	51.68	Peak	H	6.69	-	58.37	74.00	15.63
4 826.10	38.78	Average	H	6.69	1.31	46.78	54.00	7.22

- Band edge

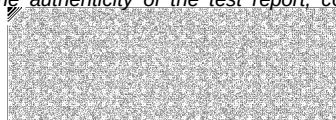
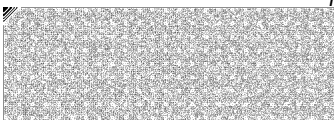
Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
2 385.62	48.19	Peak	V	-0.73	-	47.46	74.00	26.54
2 386.46	61.81	Peak	H	-0.73	-	61.08	74.00	12.92
2 386.46	47.35	Average	H	-0.73	1.31	47.93	54.00	6.07
2 387.47	62.19	Peak	H	-0.73	-	61.46	74.00	12.54
2 387.47	47.14	Average	H	-0.73	1.31	47.72	54.00	6.28

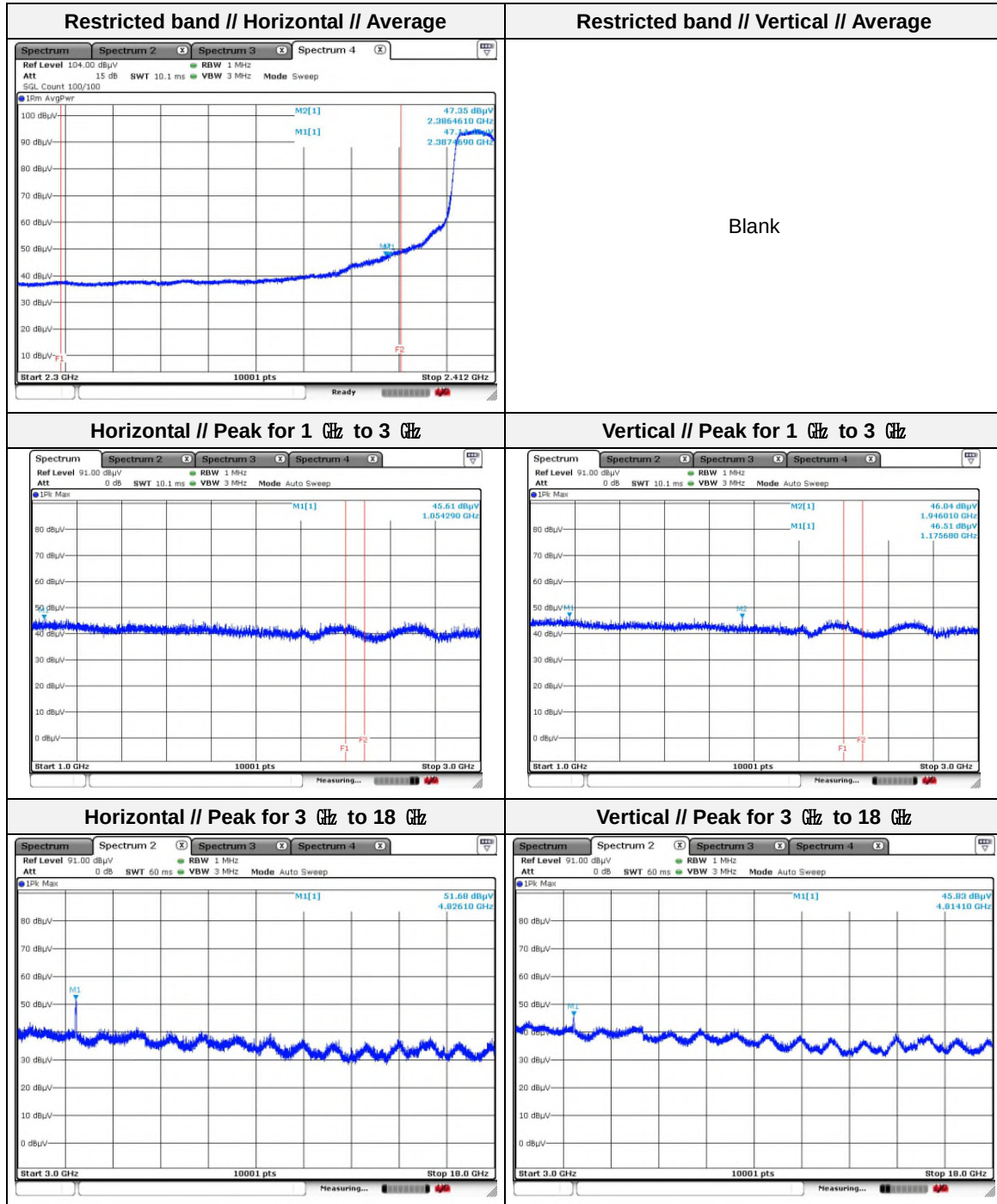


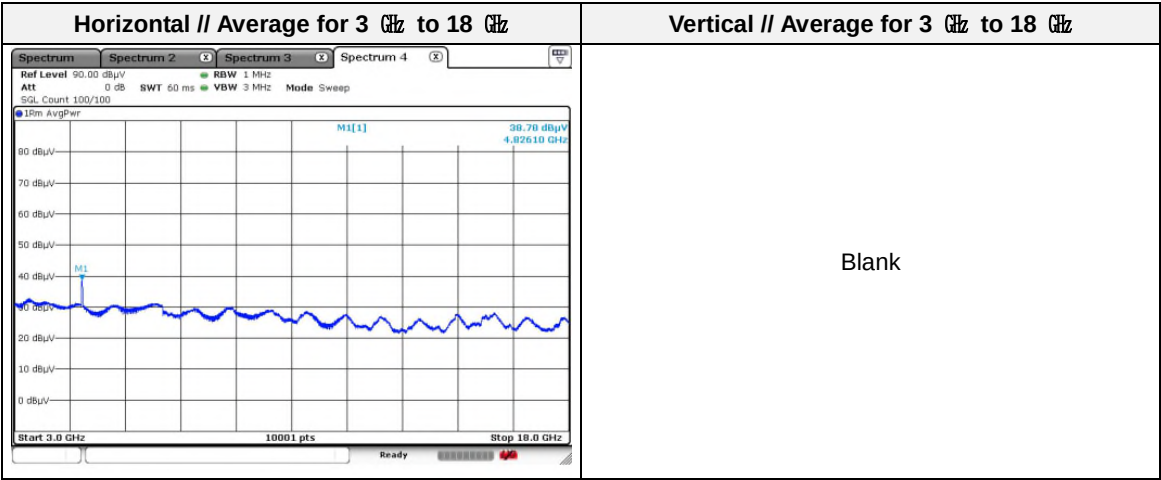
KES-QP16-F01(00-23-01-01)

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Note.
1. Average test would be performed if the peak result were greater than the average limit.



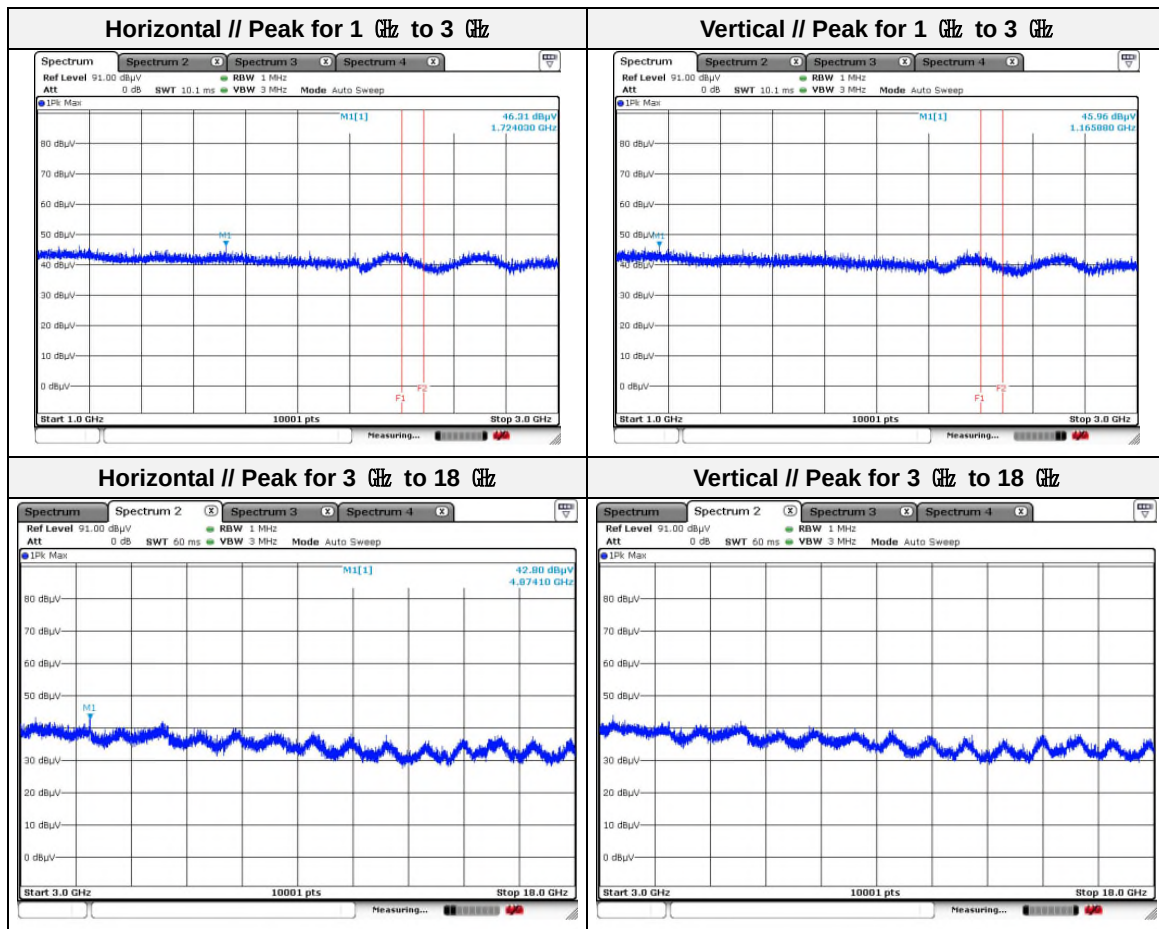
Report No. : KES-RF-23T0159

Page 68 / 86

Mode: 802.11n_HT20 (MCS0)_DC 24 V
 Distance of measurement: 3 meter
 Channel: 6

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 165.88	45.96	Peak	V	-8.45	-	37.51	74.00	36.49
1 724.03	46.31	Peak	H	-4.05	-	42.26	74.00	31.74
4 874.10	42.80	Peak	H	7.03	-	49.83	74.00	24.17



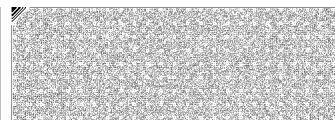
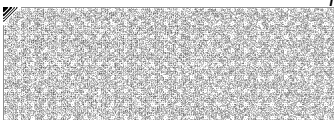
Note.

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Report No. : KES-RF-23T0159

Page 69 / 86

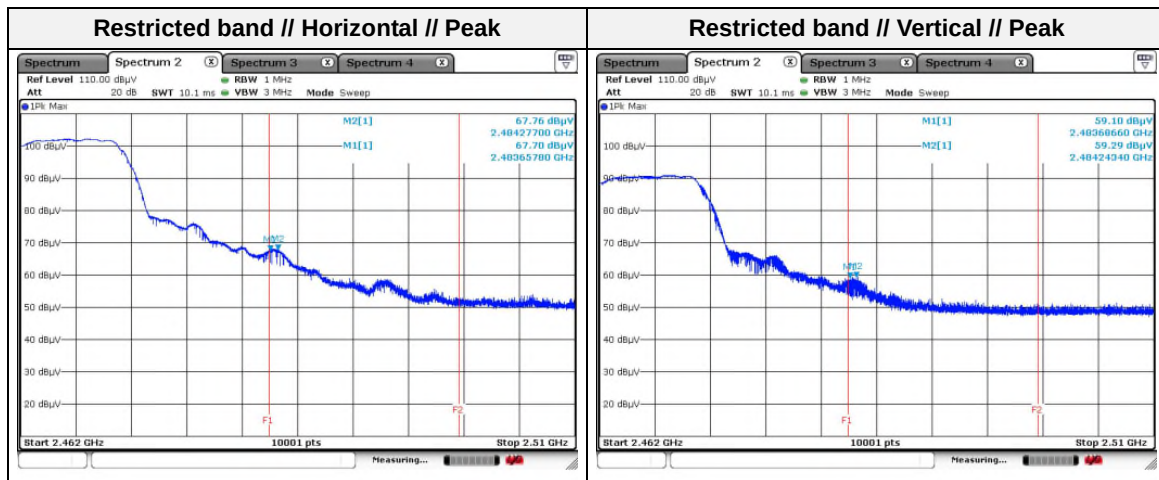
Mode: 802.11n_HT20 (MCS0)_DC 24 V
 Distance of measurement: 3 meter
 Channel: 11

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 085.09	46.47	Peak	H	-9.01	-	37.46	74.00	36.54
1 722.43	46.20	Peak	V	-4.06	-	42.81	74.00	31.19

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
2 483.66	67.70	Peak	H	-0.57	-	67.13	74.00	6.87
2 483.66	49.00	Average	H	-0.57	1.31	49.74	54.00	4.26
2 483.69	59.10	Peak	V	-0.57	-	58.53	74.00	15.47
2 483.69	40.87	Average	V	-0.57	1.31	41.61	54.00	12.39
2 484.24	59.29	Peak	V	-0.57	-	58.72	74.00	15.28
2 484.24	40.22	Average	V	-0.57	1.31	40.96	54.00	13.04
2 484.28	67.76	Peak	H	-0.57	-	67.19	74.00	6.81
2 484.28	48.79	Average	H	-0.57	1.31	49.53	54.00	4.47

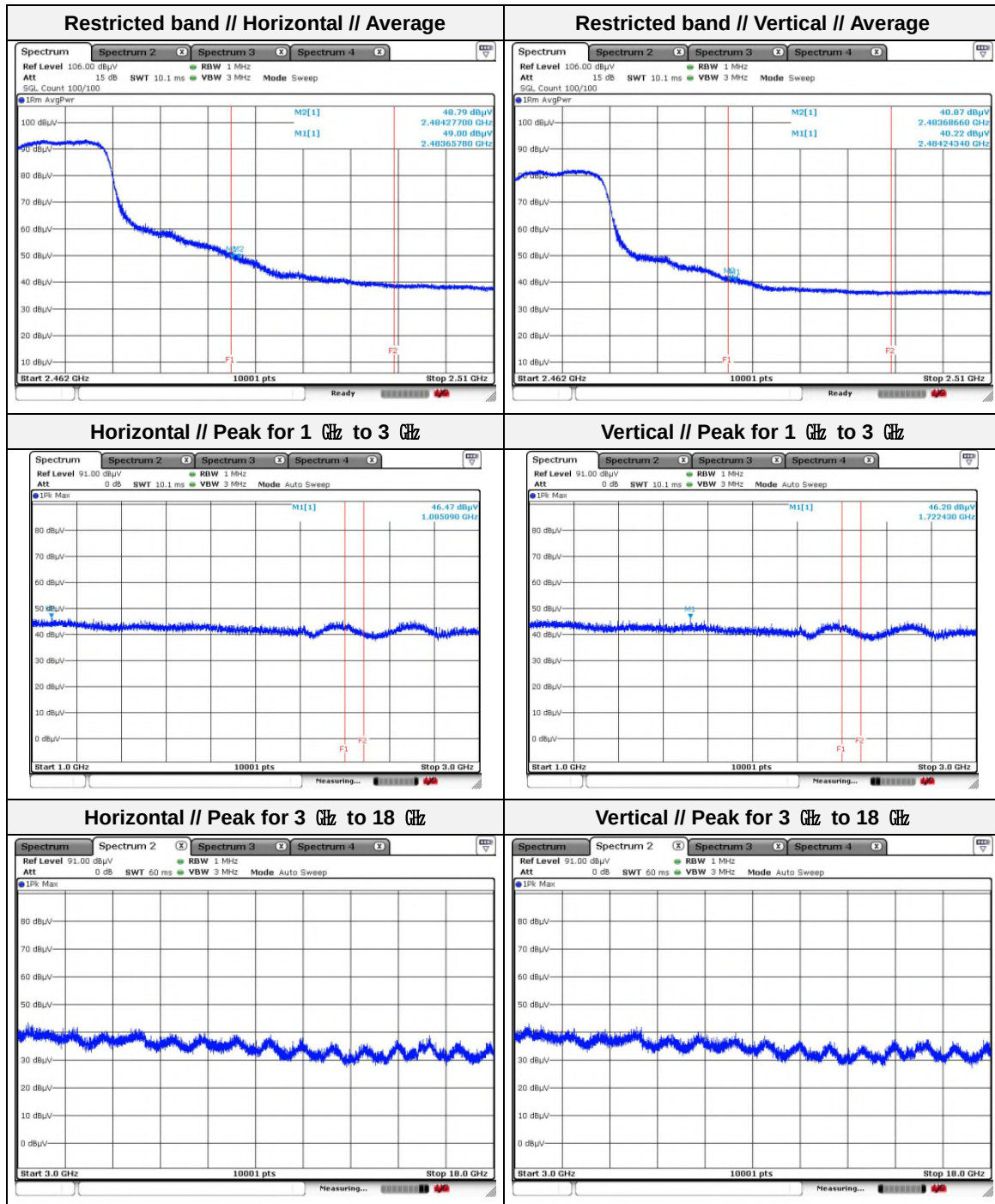


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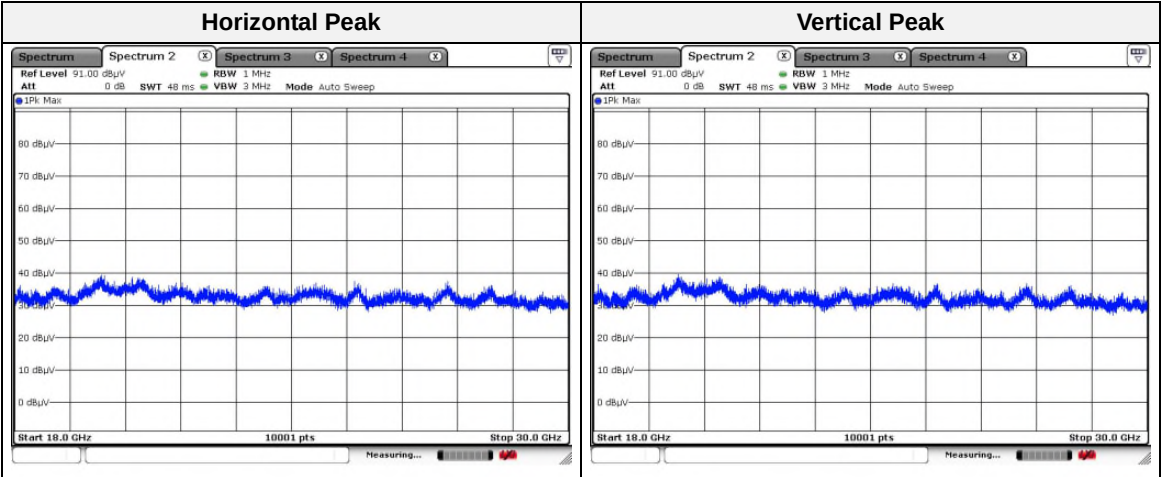
Note.

1. No spurious emission were detected above 3 GHz.
2. Average test would be performed if the peak result were greater than the average limit.



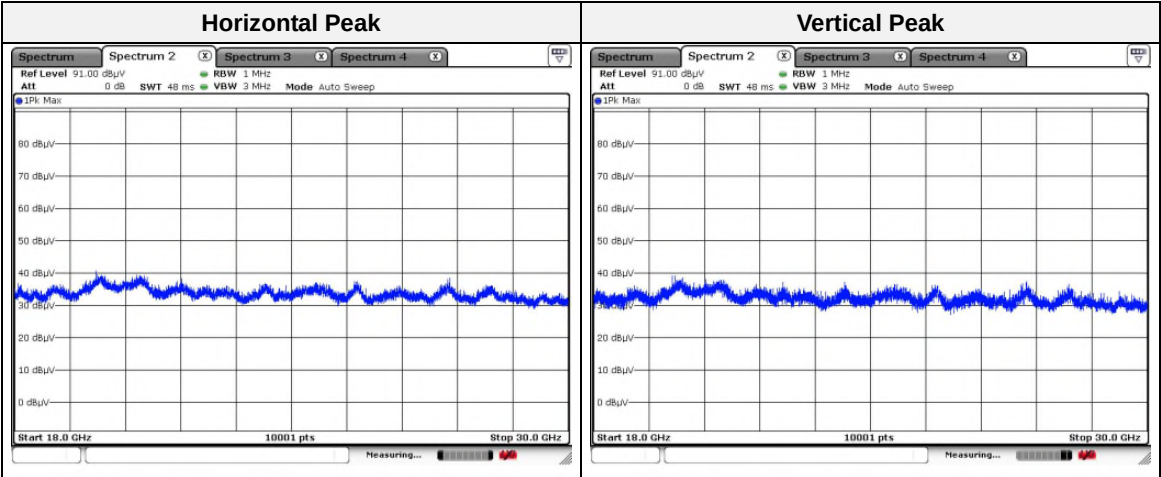
Test results (18 GHz to 30 GHz) – Worst case

Mode: 802.11g (6 Mbps)_12 V
Distance of measurement: 3 meter
Channel: 1 (Worst case)



Note.
1. No spurious emission were detected above 18 GHz.

Mode: 802.11g (6 Mbps)_24 V
Distance of measurement: 3 meter
Channel: 6 (Worst case)



Note.
1. No spurious emission were detected above 18 GHz.

