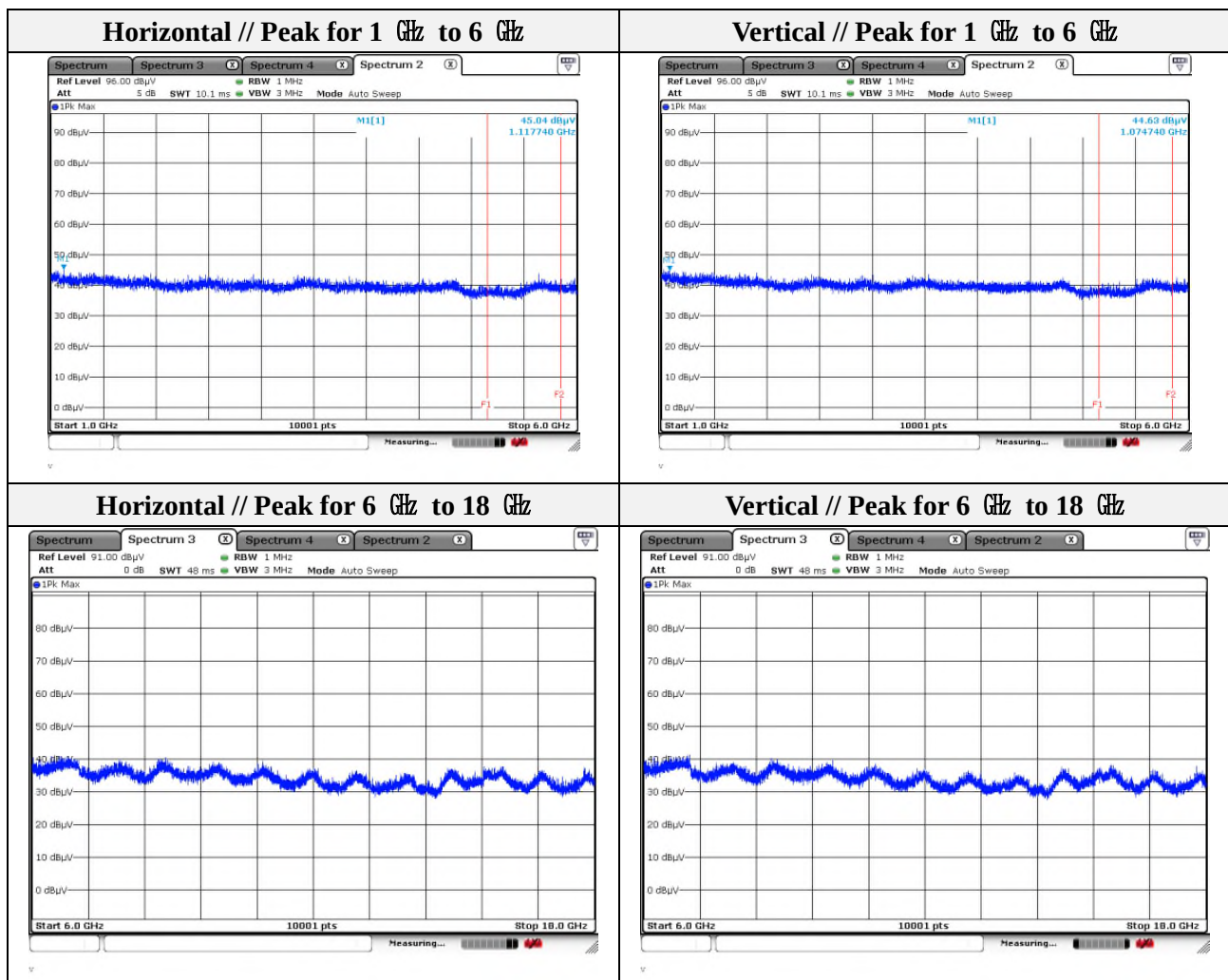


Mode: 802.11an_HT20
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 120

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 074.74	44.63	Peak	V	-9.37	-	35.26	74.00	38.74
1 117.74	45.04	Peak	H	-9.32	-	35.72	74.00	38.28



Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

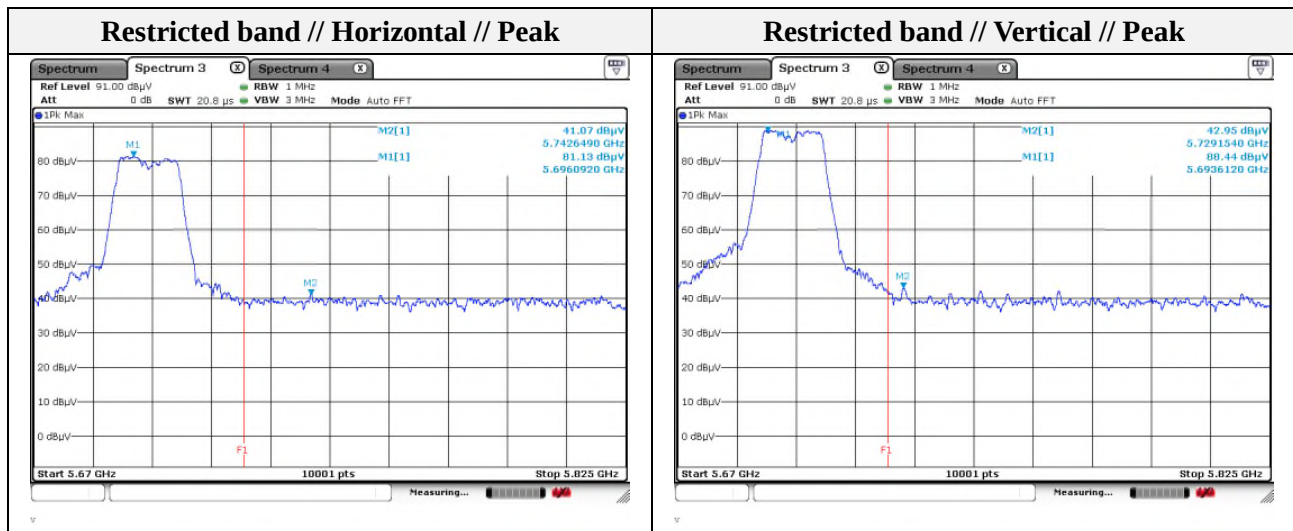
Mode: 802.11an_HT20
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 140

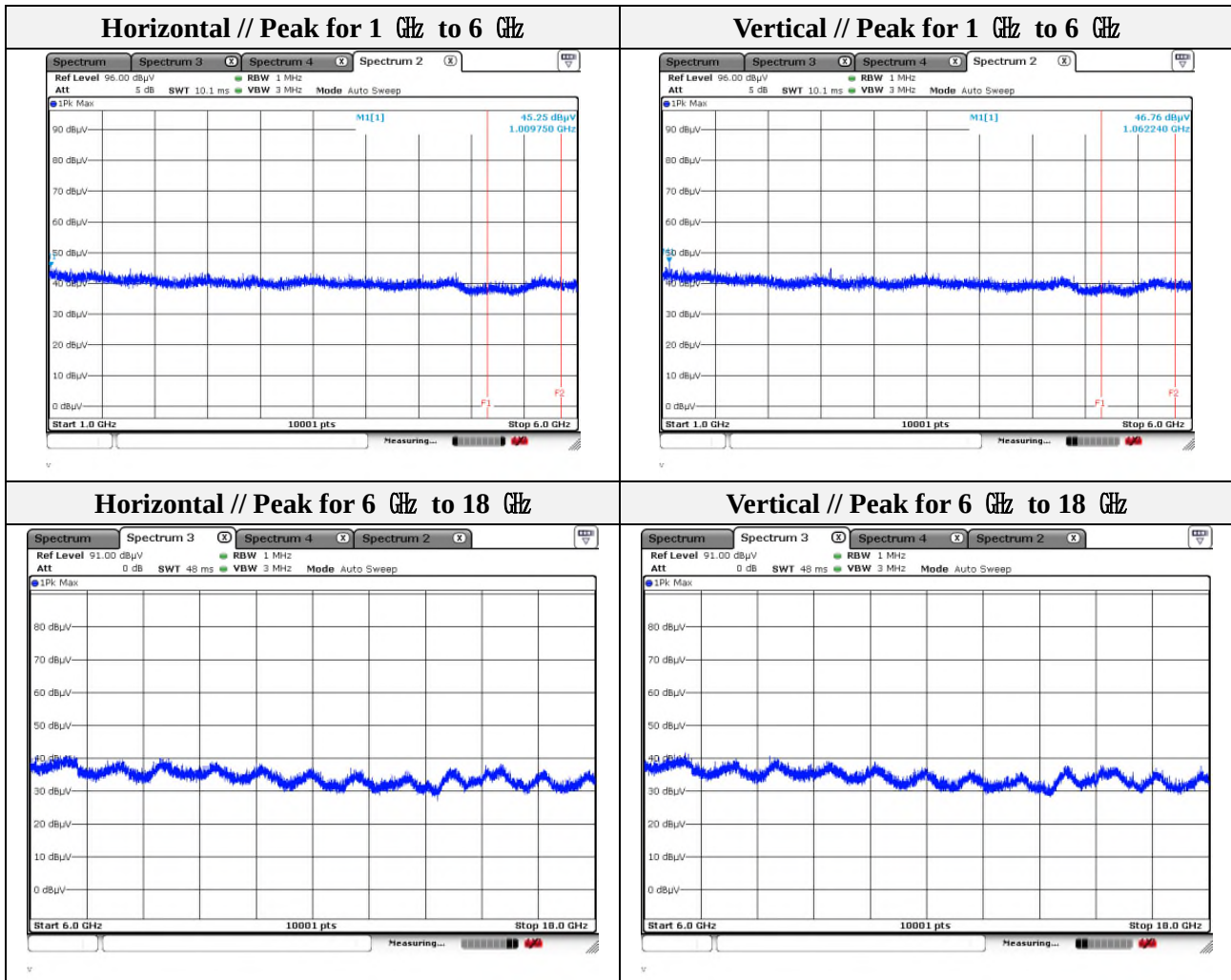
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 009.75	45.25	Peak	H	-9.43	-	35.82	74.00	38.18
1 062.24	46.76	Peak	V	-9.38	-	37.38	74.00	36.62

- 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)
5 729.15	42.95	Peak	V	9.70	-	52.65	74.00	21.35
5 742.65	41.07	Peak	H	9.74	-	50.81	74.00	23.19





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

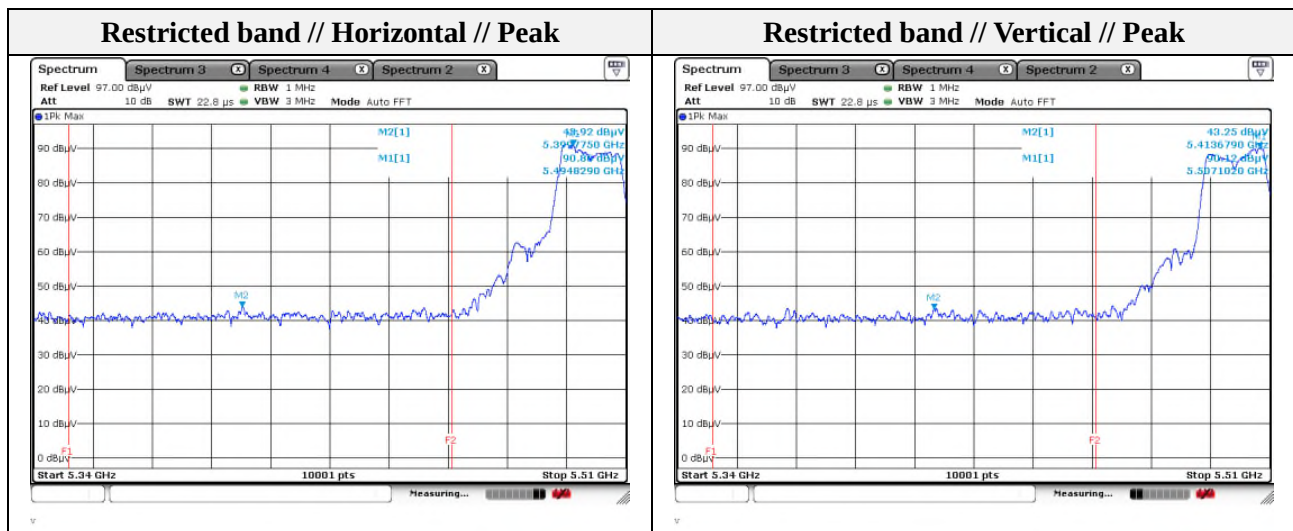
Mode: 802.11ac_VHT20
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 100

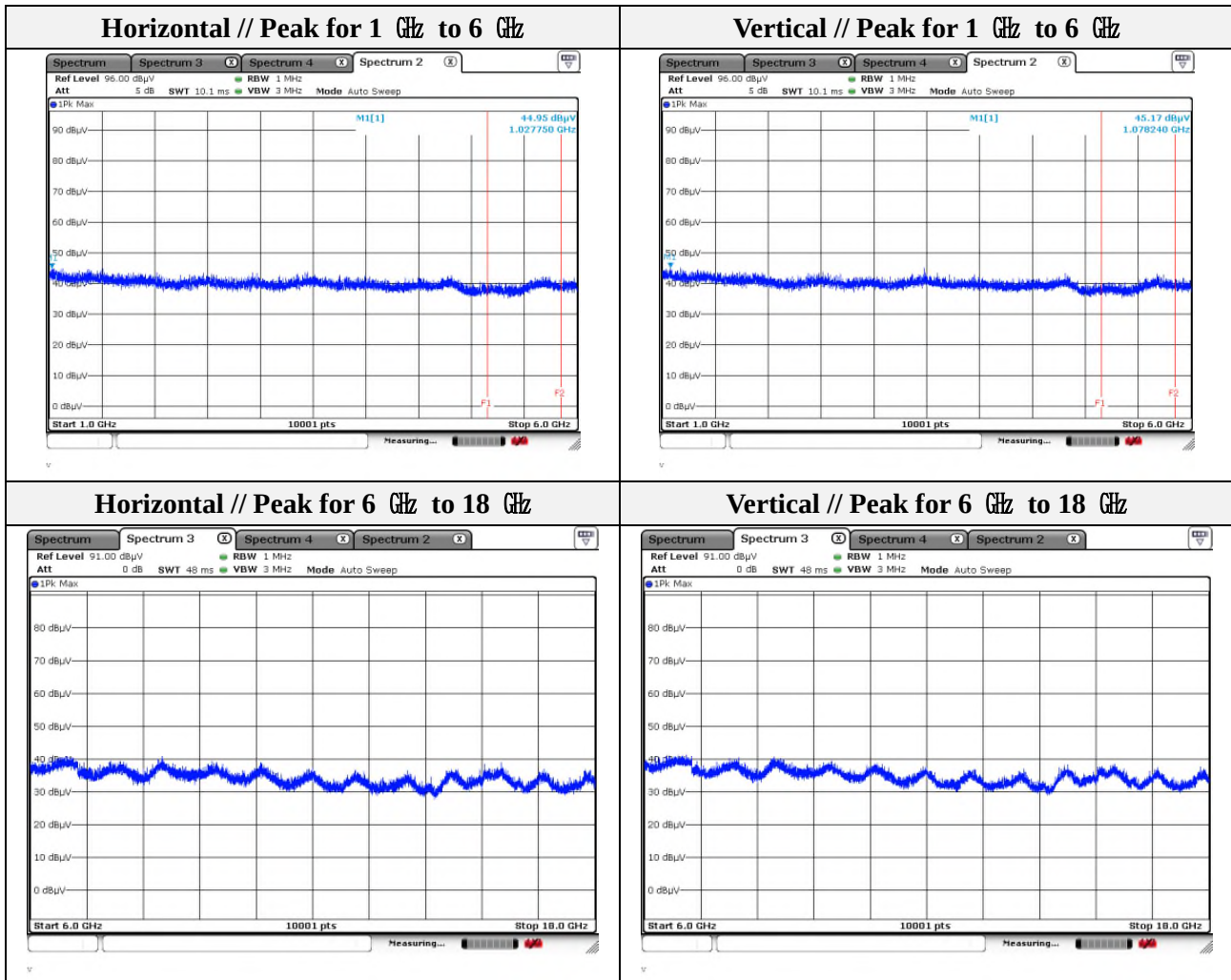
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 027.75	44.95	Peak	H	-9.41	-	35.54	74.00	38.46
1 078.24	45.17	Peak	V	-9.36	-	35.81	74.00	38.19

- 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)
5 399.78	43.92	Peak	H	7.11	-	51.03	74.00	22.97
5 413.68	43.25	Peak	V	7.12	-	50.37	74.00	23.63





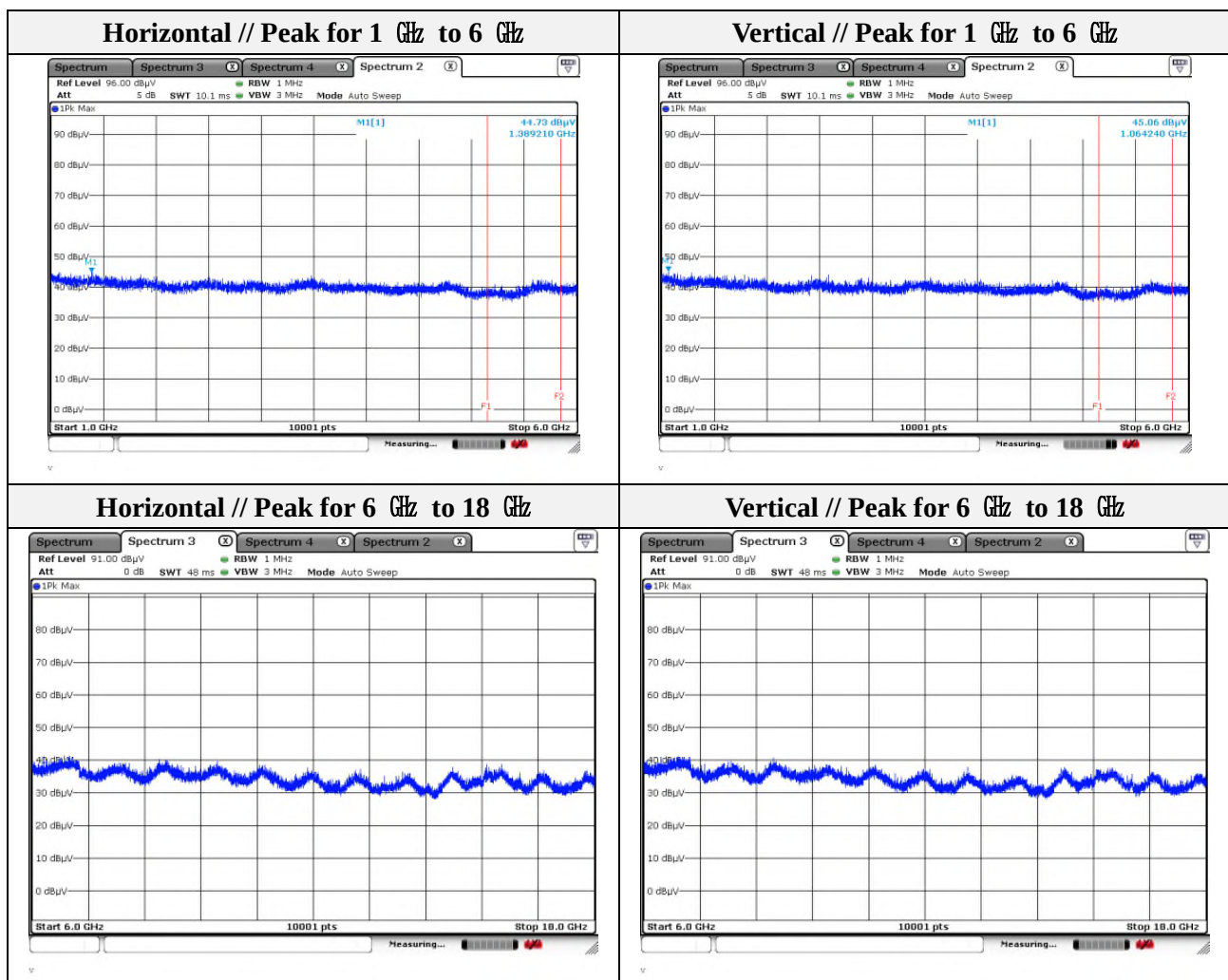
Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: 802.11ac_VHT20
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 120

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 064.24	45.06	Peak	H	-9.38	-	35.68	74.00	38.32
1 389.21	44.73	Peak	V	-8.98	-	35.75	74.00	38.25



Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: 802.11ac_VHT20
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 140

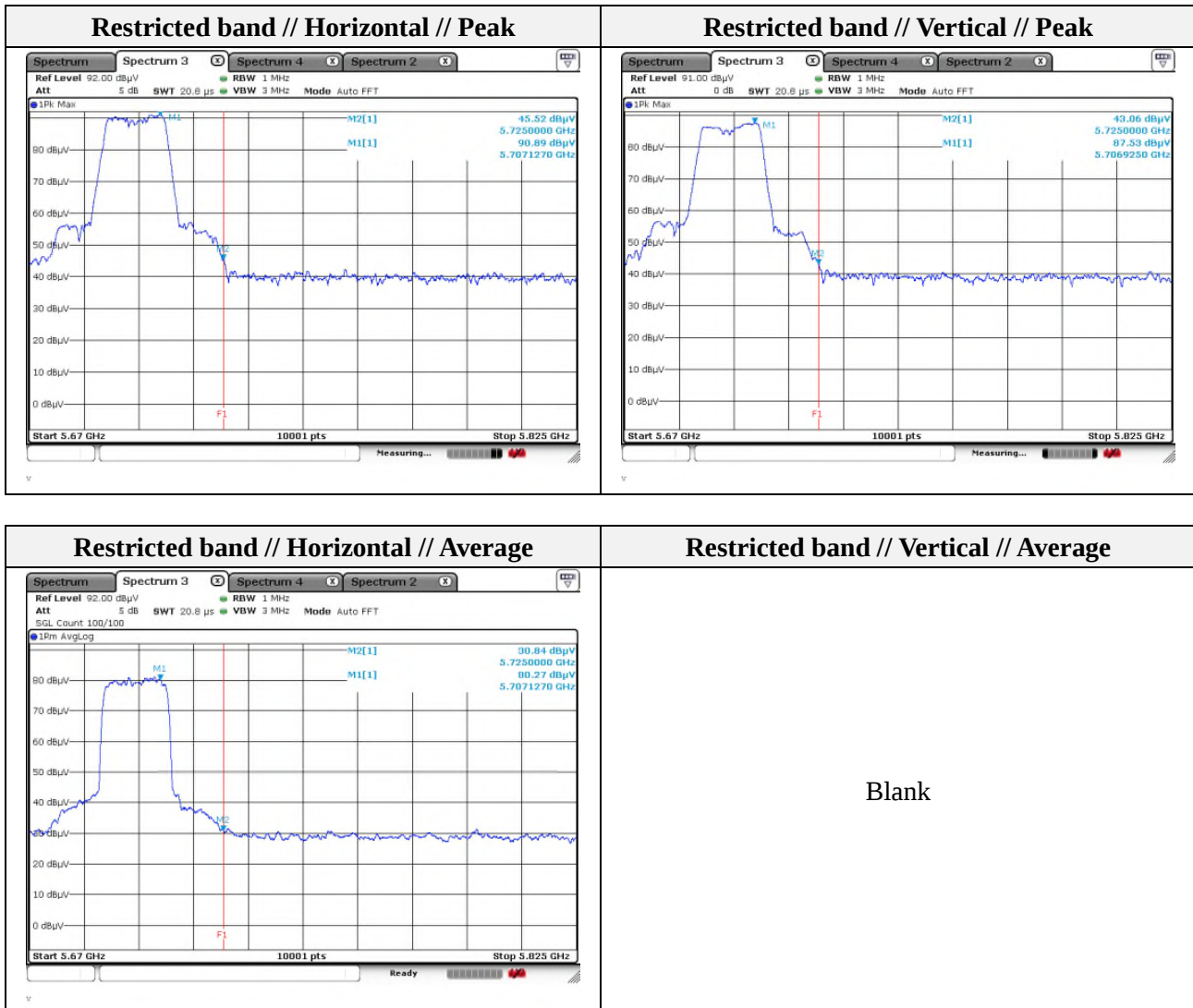
- **Spurious**

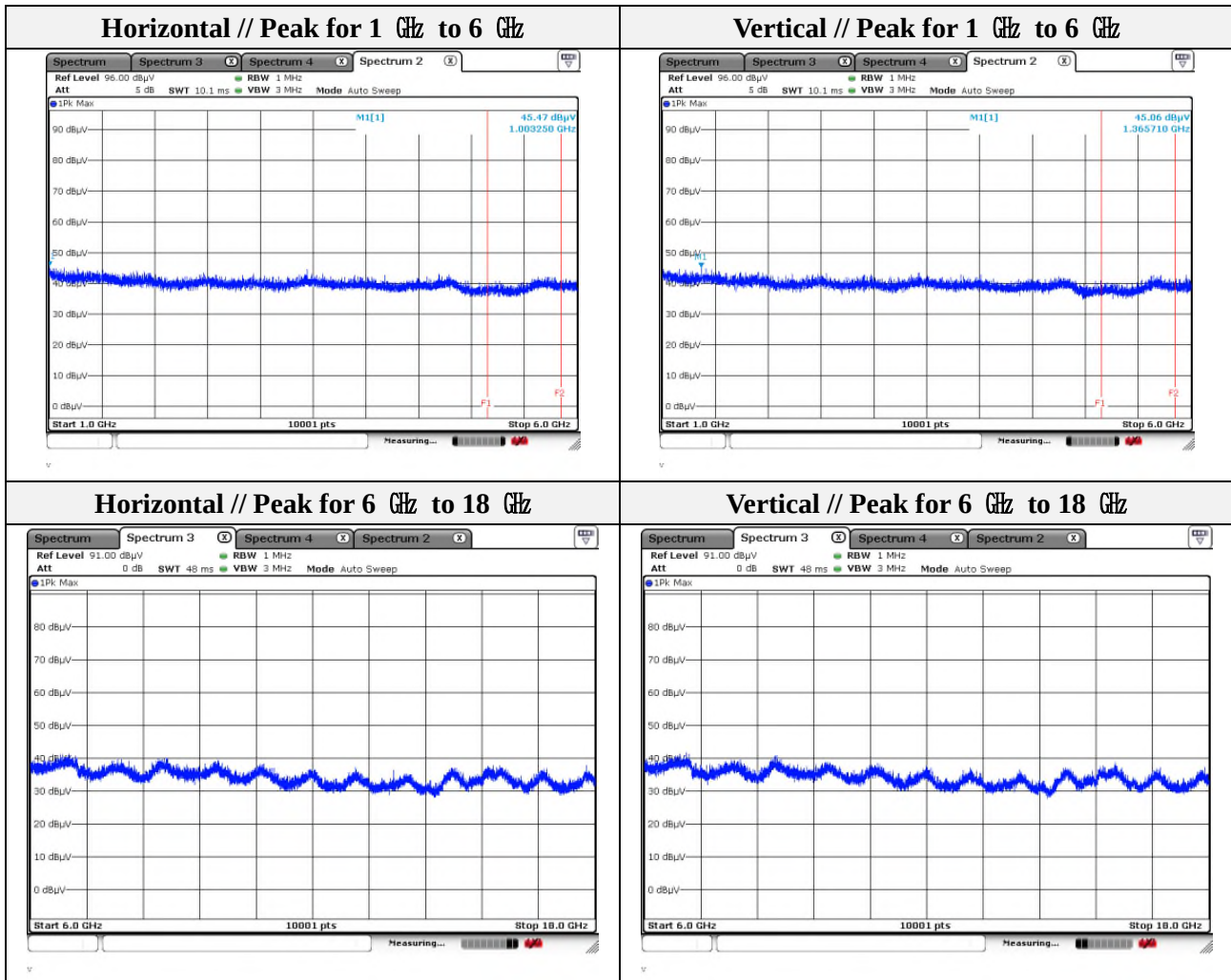
Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 003.25	45.47	Peak	H	-9.44	-	36.03	74.00	37.97
1 365.71	45.06	Peak	V	-9.01	-	36.05	74.00	37.95

- **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)
5 725.00	43.06	Peak	V	9.68	-	52.74	74.00	21.26
5 725.00	45.52	Peak	H	9.68	-	55.20	74.00	18.80
5 725.00	30.84	Average	H	9.68	1.82	40.52	54.00	11.66

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 The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
 The authenticity of the test report, contact kes@kes.co.kr.





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

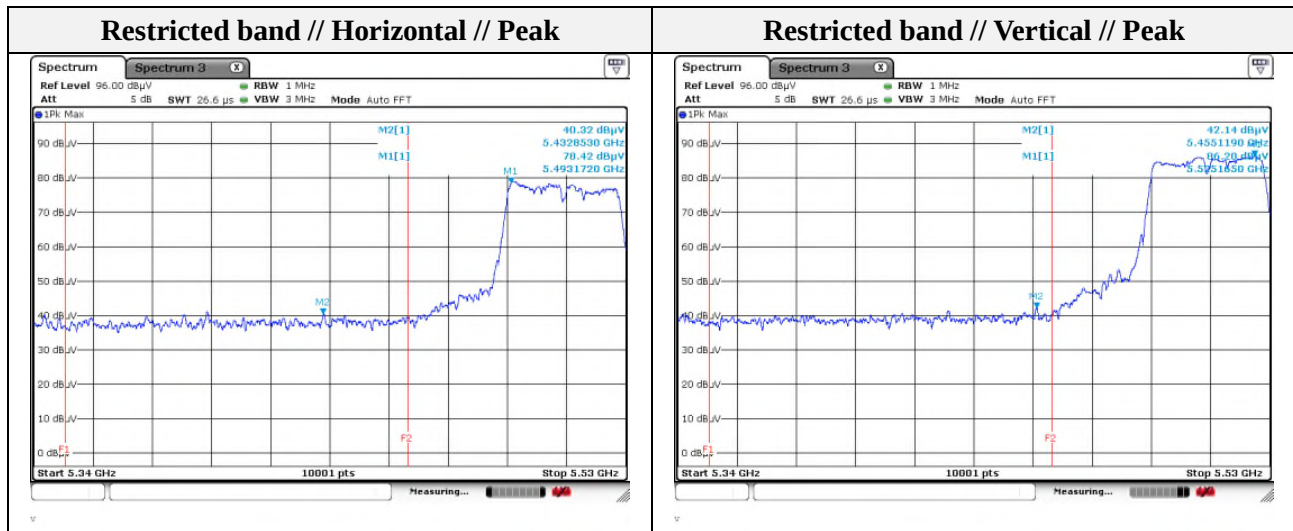
Mode: 802.11an_HT40
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 102

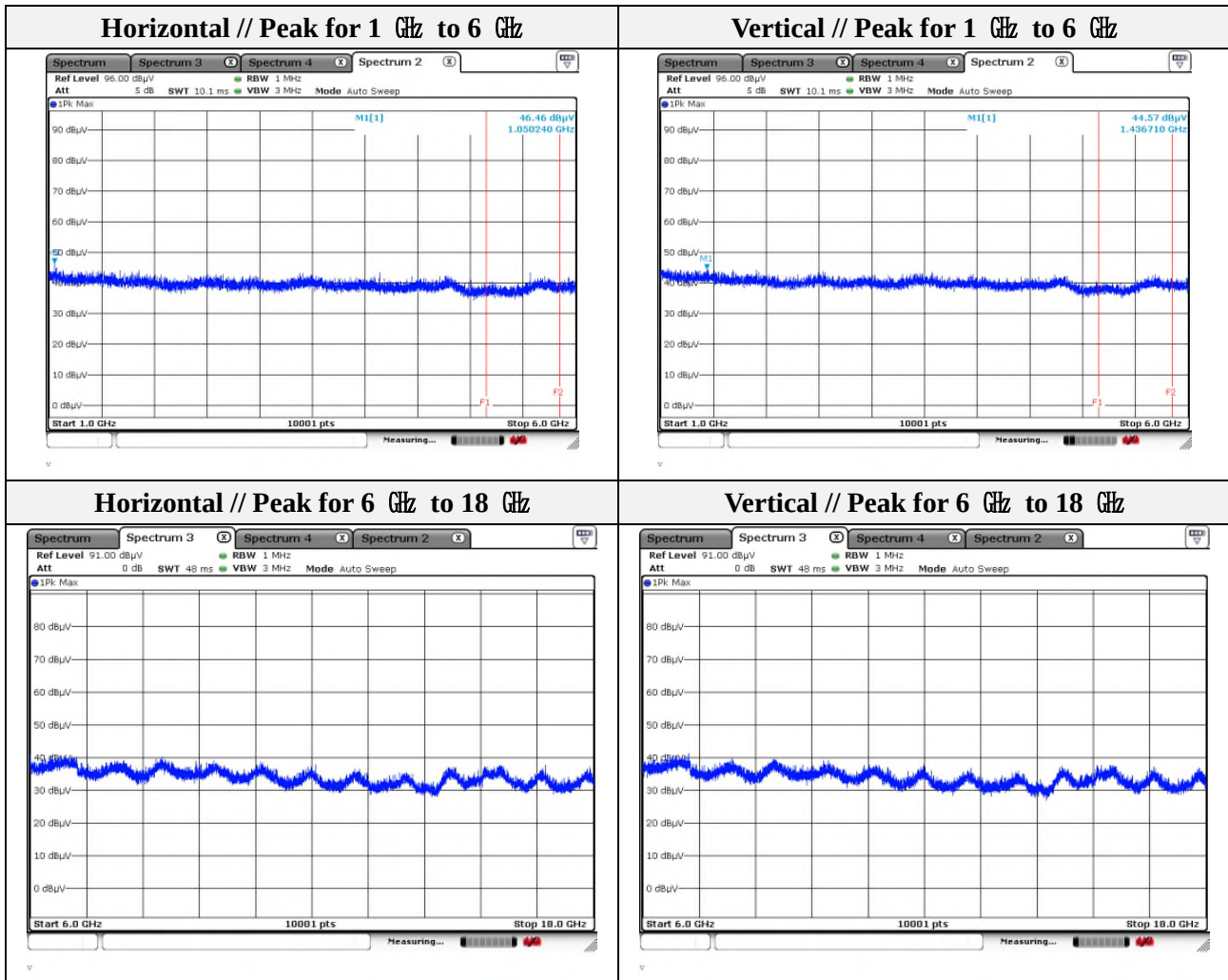
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 050.24	46.46	Peak	H	-9.39	-	37.07	74.00	36.93
1 436.71	44.57	Peak	V	-8.96	-	35.61	74.00	38.39

- 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)
5 432.85	40.32	Peak	H	7.14	-	47.46	74.00	26.54
5 455.12	42.14	Peak	V	7.16	-	49.30	74.00	24.70





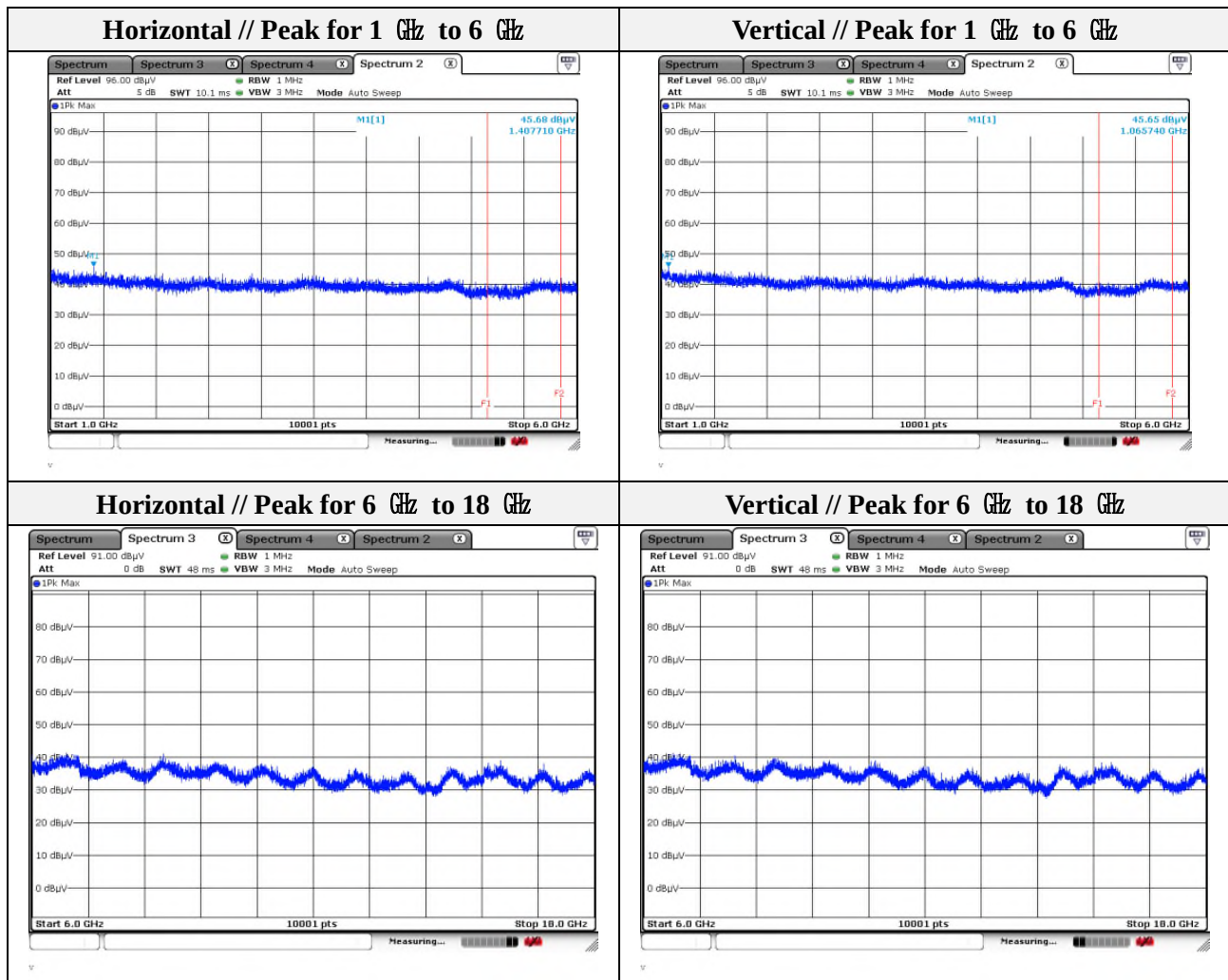
Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: 802.11an_HT40
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 118

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 065.74	45.65	Peak	V	-9.38	-	36.27	74.00	37.73
1 407.71	45.68	Peak	H	-8.96	-	36.72	74.00	37.28



Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

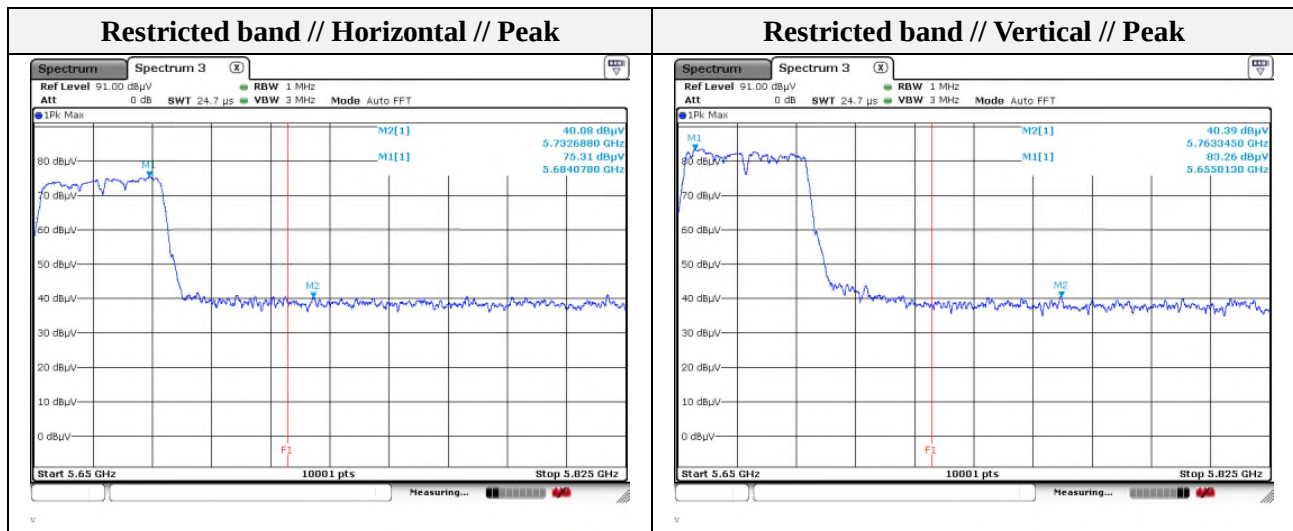
Mode: 802.11an_HT40
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 134

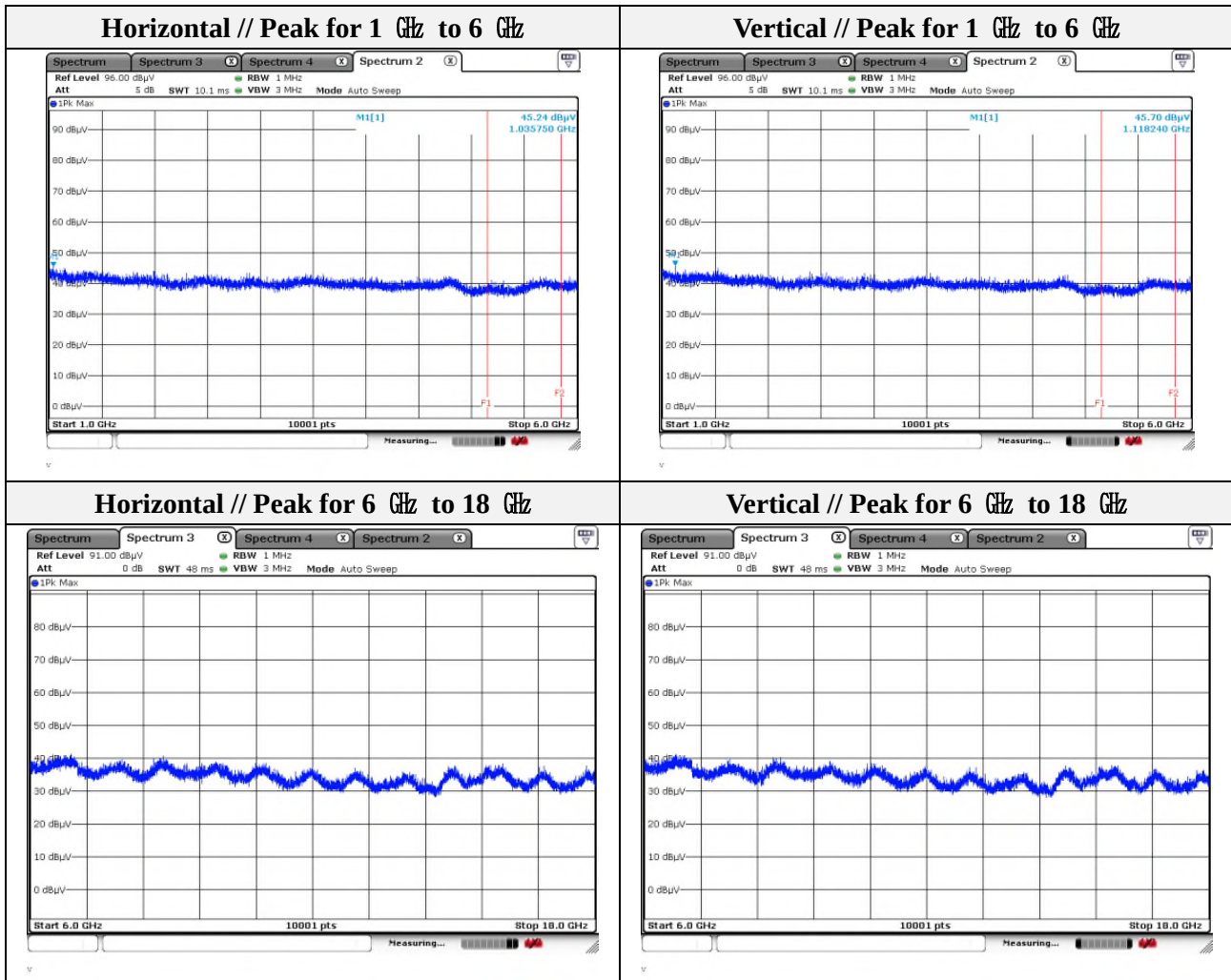
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 035.75	45.24	Peak	H	-9.41	-	35.83	74.00	38.17
1 118.24	45.70	Peak	V	-9.32	-	36.38	74.00	37.62

- 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)
5 732.69	40.08	Peak	H	9.71	-	49.79	74.00	24.21
5 763.35	40.39	Peak	V	9.82	-	50.21	74.00	23.79





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

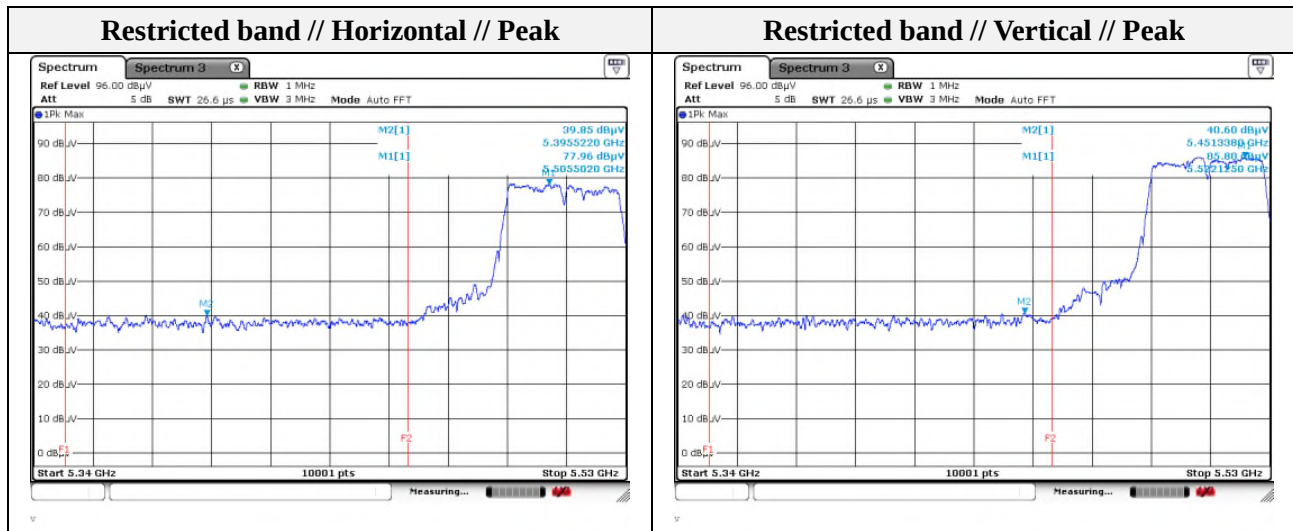
Mode: 802.11ac_VHT40
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 102

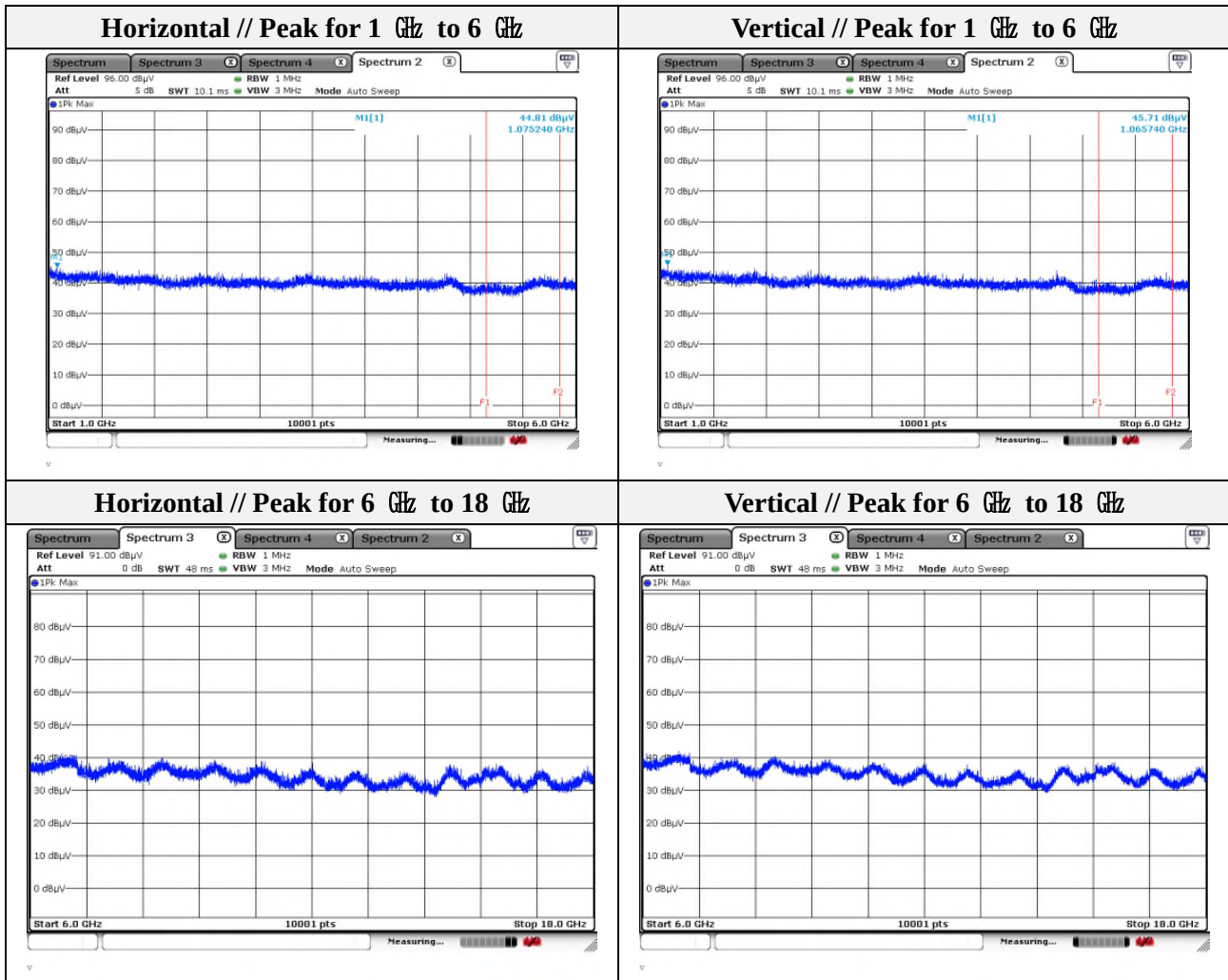
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 065.74	45.71	Peak	V	-9.38	-	36.33	74.00	37.67
1 075.24	44.81	Peak	H	-9.37	-	35.44	74.00	38.56

- 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)
5 395.52	39.85	Peak	H	7.12	-	46.97	74.00	27.03
5 451.34	40.60	Peak	V	7.16	-	47.76	74.00	26.24





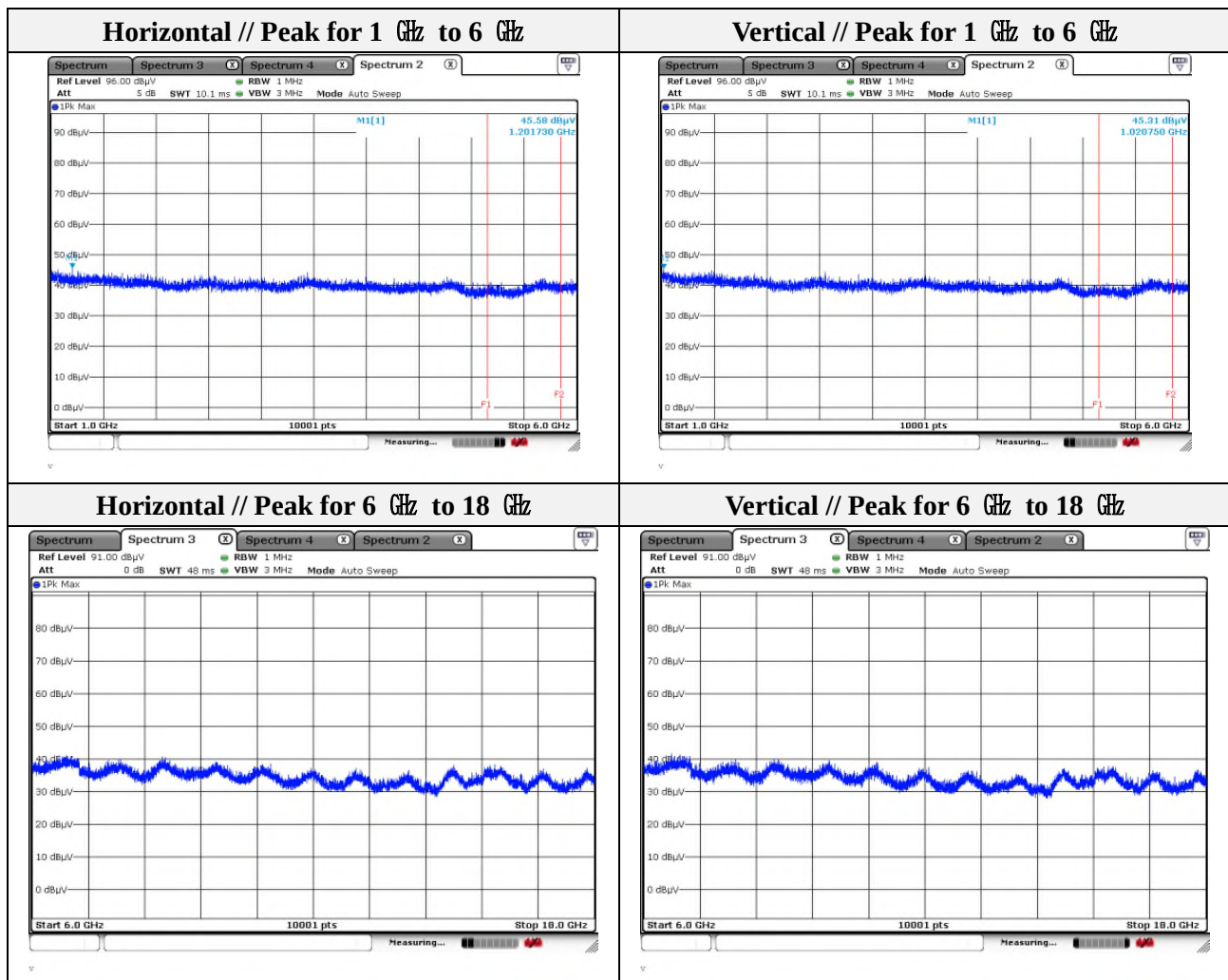
Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: 802.11ac_VHT40
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 118

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 020.75	45.31	Peak	V	-9.42	-	35.89	74.00	38.11
1 201.73	45.58	Peak	H	-9.24	-	36.34	74.00	37.66



Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

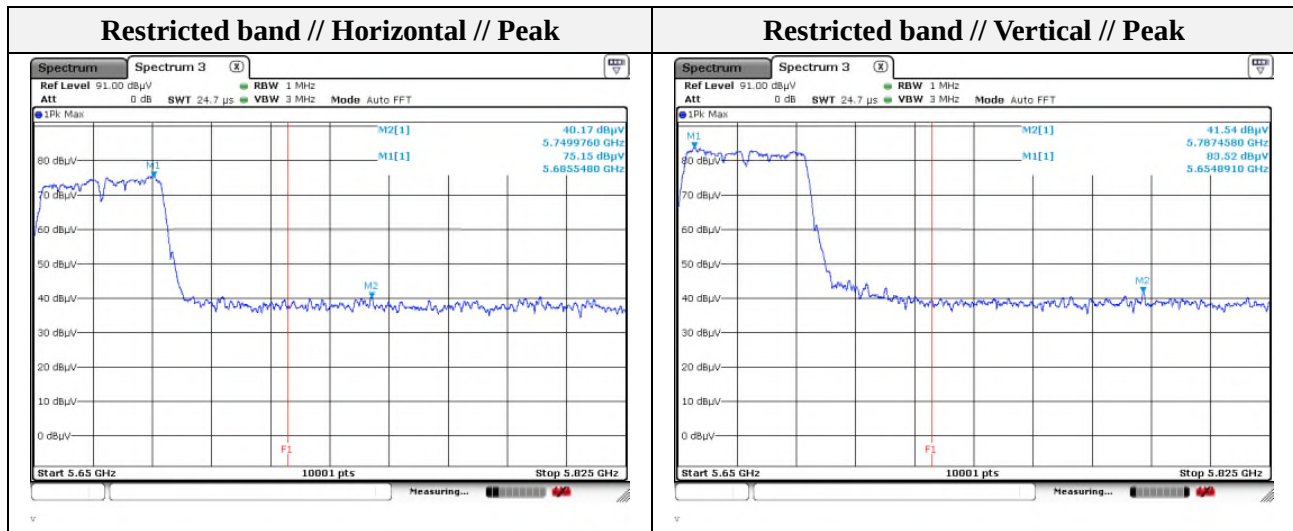
Mode: 802.11ac_VHT40
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 134

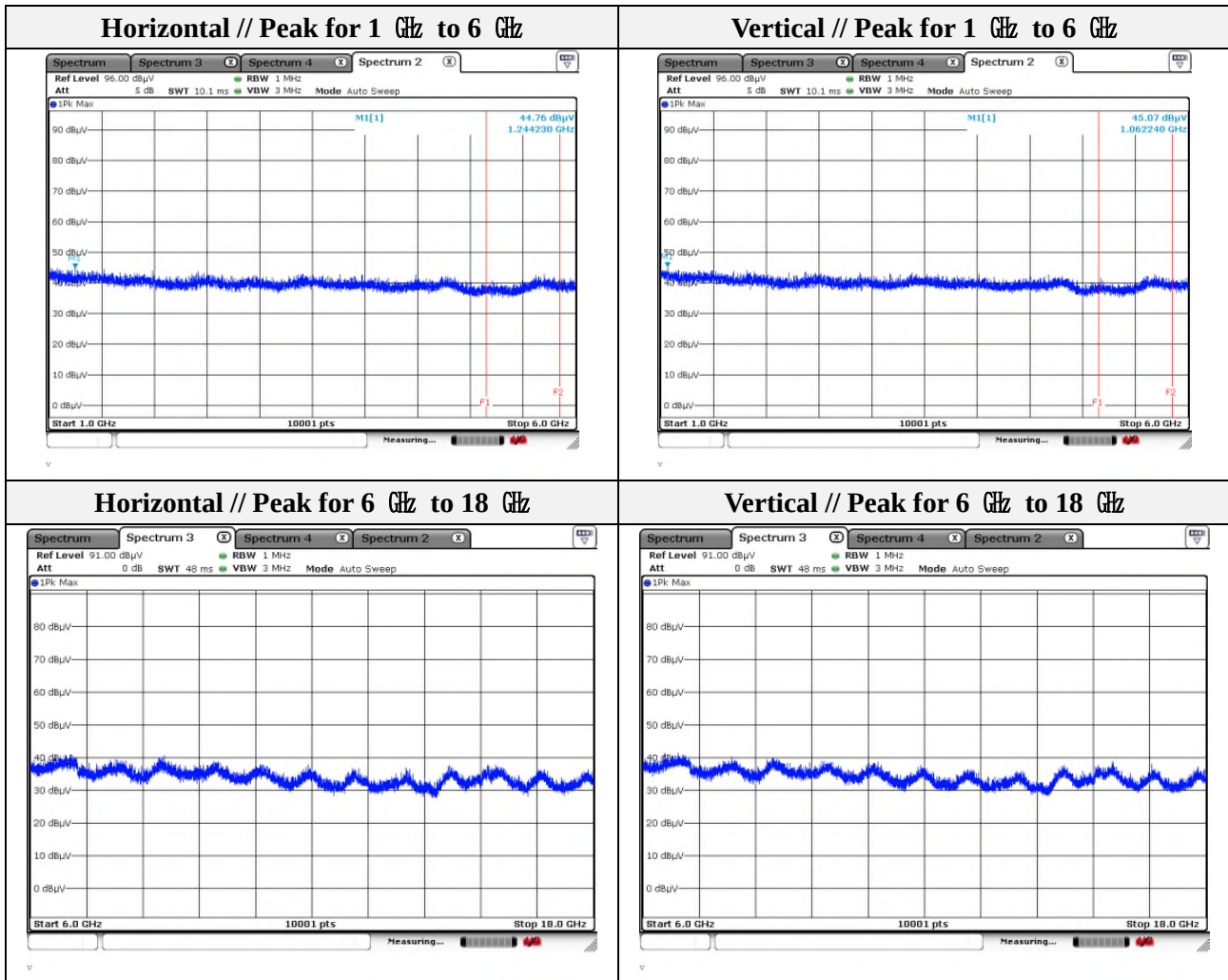
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 062.24	45.07	Peak	V	-9.38	-	35.69	74.00	38.31
1 244.23	44.76	Peak	H	-9.18	-	35.58	74.00	38.42

- 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)
5 749.98	40.17	Peak	H	9.77	-	49.94	74.00	24.06
5 787.46	41.54	Peak	V	9.92	-	51.46	74.00	22.54





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

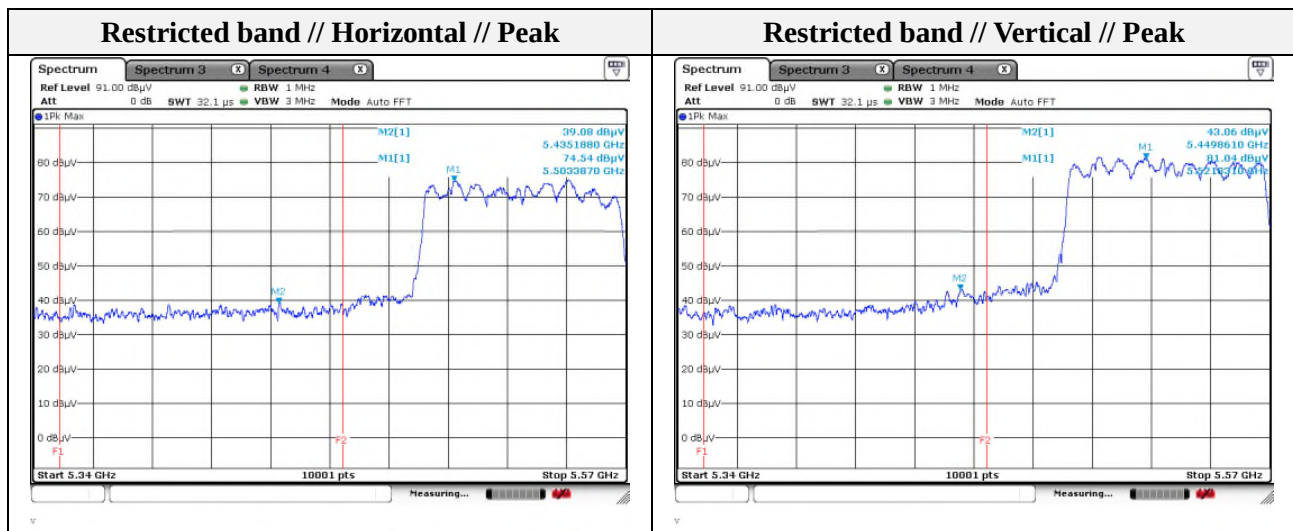
Mode: 802.11ac_VHT80
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 106

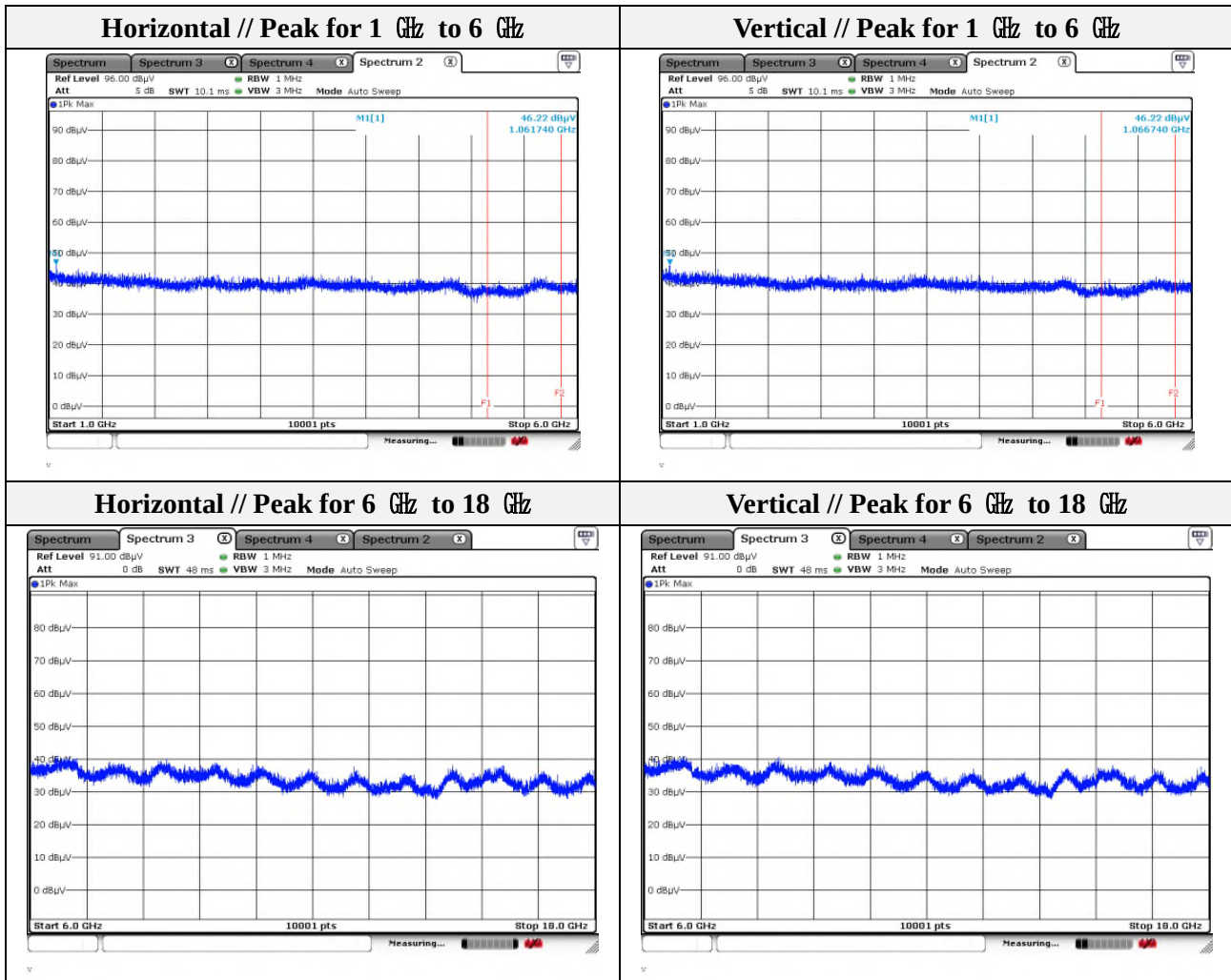
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 061.74	46.22	Peak	V	-9.38	-	36.84	74.00	37.16
1 066.74	46.22	Peak	H	-9.37	-	36.85	74.00	37.15

- 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)
5 435.19	39.08	Peak	H	7.15	-	46.23	74.00	27.77
5 449.86	43.06	Peak	V	7.16	-	50.22	74.00	23.78





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

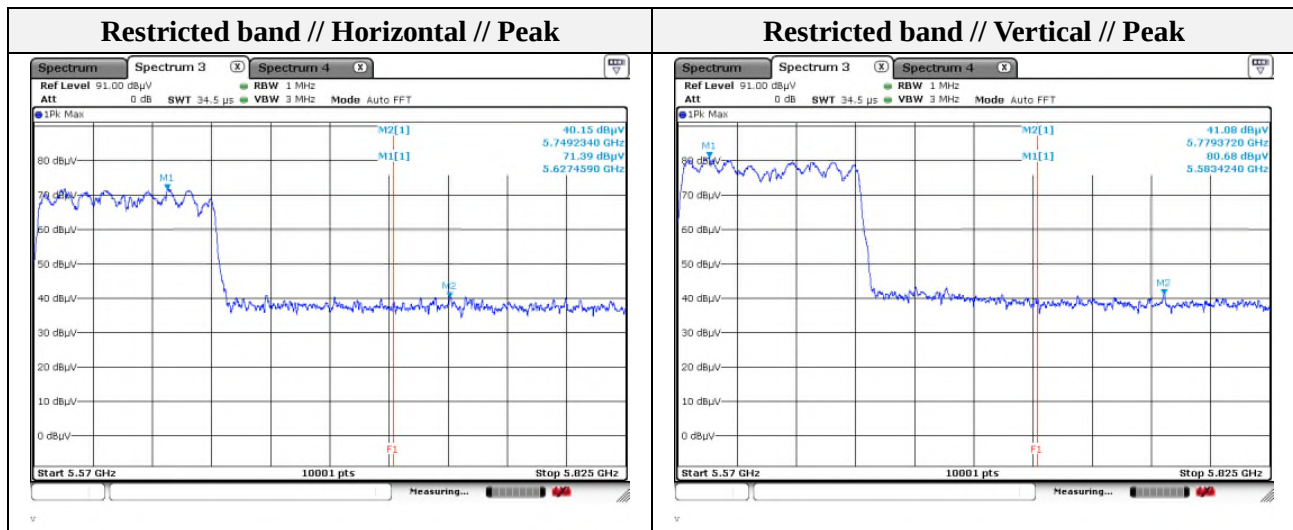
Mode: 802.11ac_VHT80
 Band: UNII-2C
 Distance of measurement: 3 meter
 Channel: 122

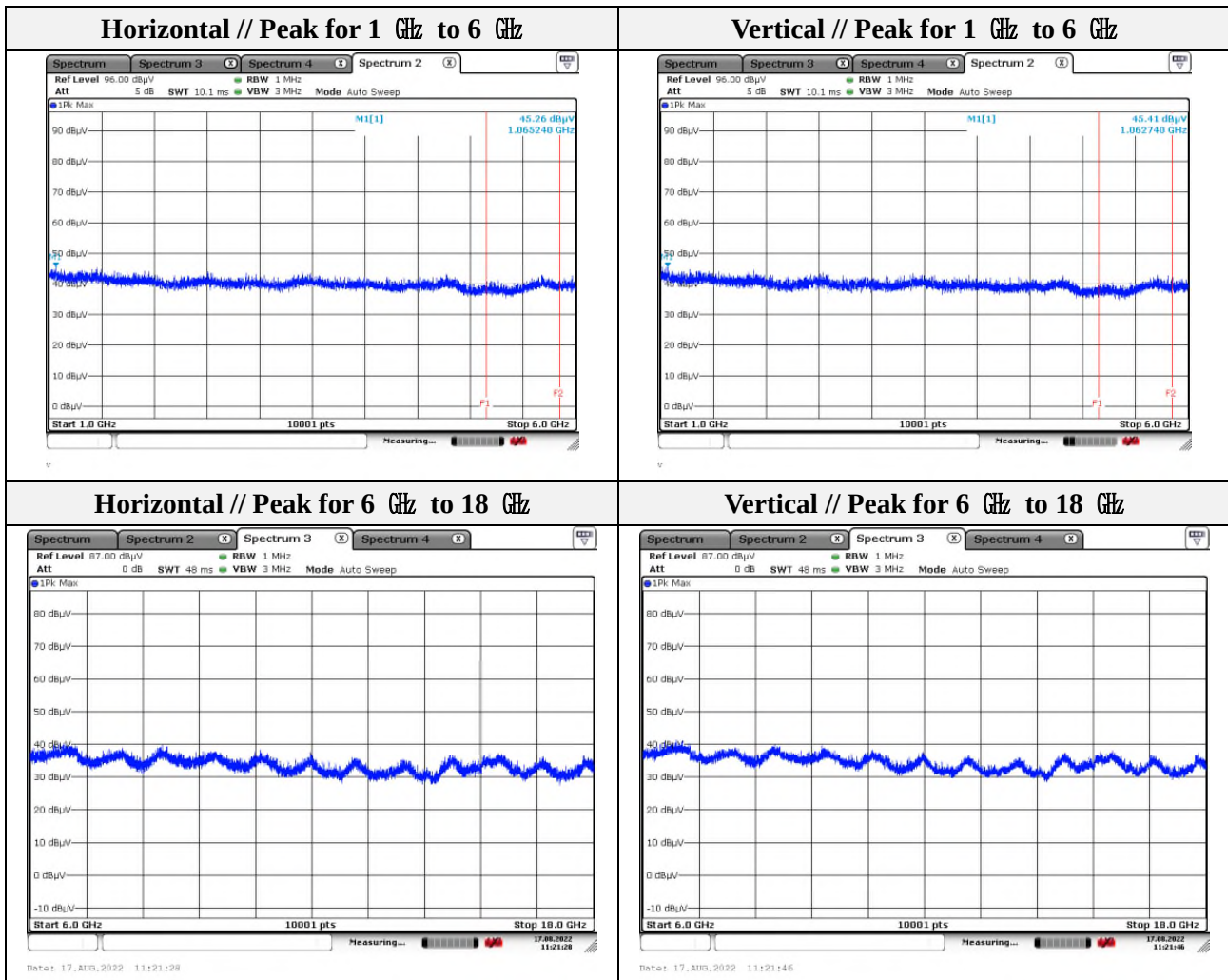
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 062.74	45.41	Peak	V	-9.37	-	36.04	74.00	37.96
1 065.24	45.26	Peak	H	-9.38	-	35.88	74.00	38.12

- 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)
5 749.23	40.15	Peak	H	9.77	-	49.92	74.00	24.08
5 779.37	41.08	Peak	V	9.89	-	50.97	74.00	23.03





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

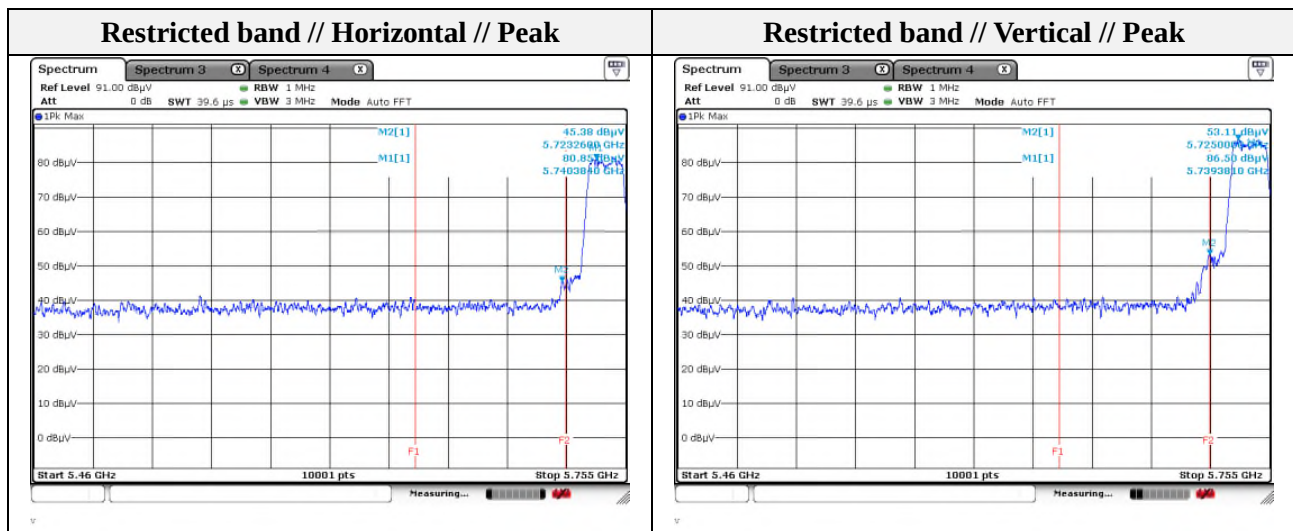
Mode: 802.11an_HT20
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 149

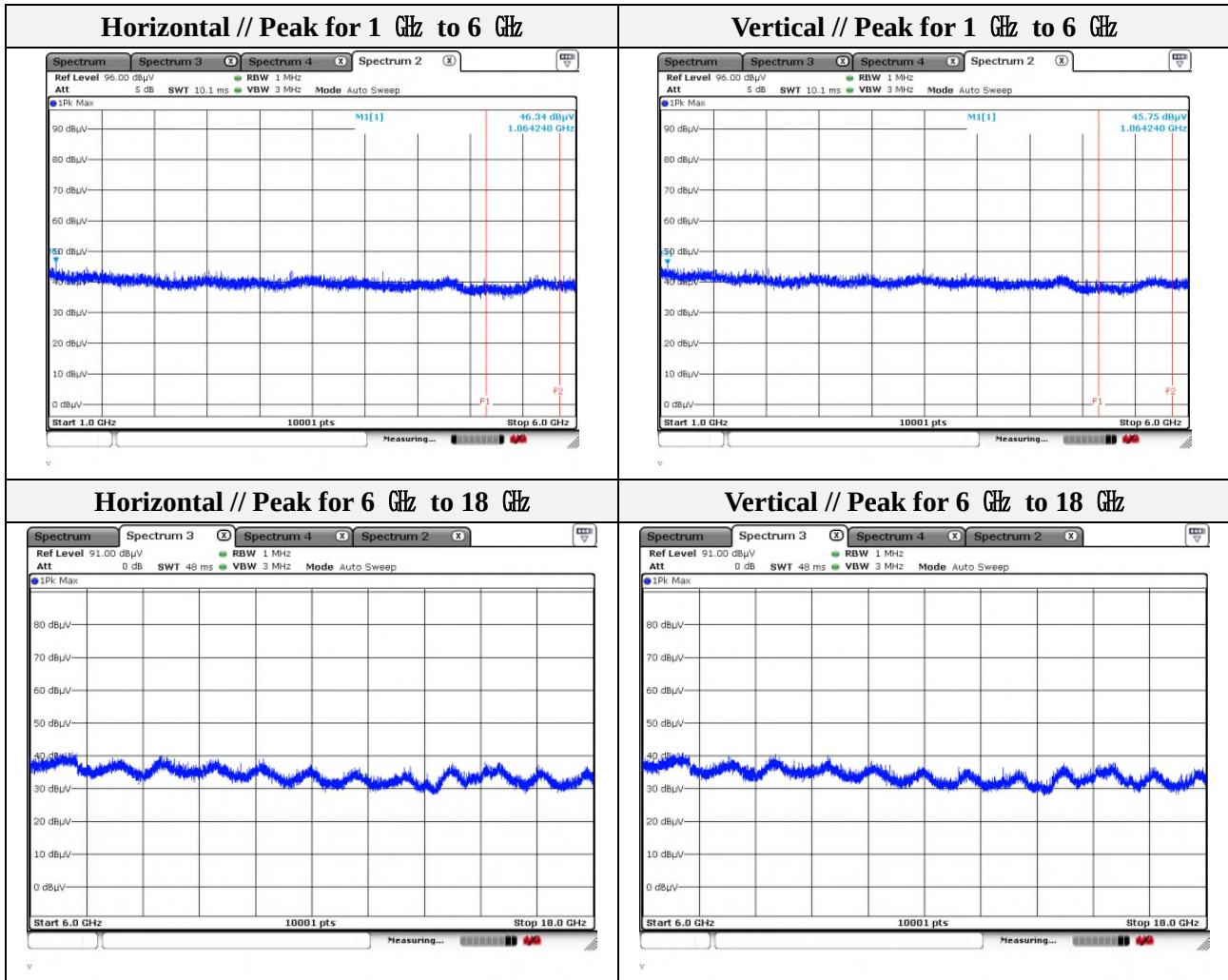
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 064.24	45.75	Peak	V	-9.38	-	36.37	74.00	37.63
1 064.24	46.34	Peak	H	-9.38	-	36.96	74.00	37.04

- 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)
5 723.26	45.38	Peak	H	9.68	-	55.06	118.26	63.20
5 725.00	53.11	Peak	V	9.68	-	62.79	122.23	59.44





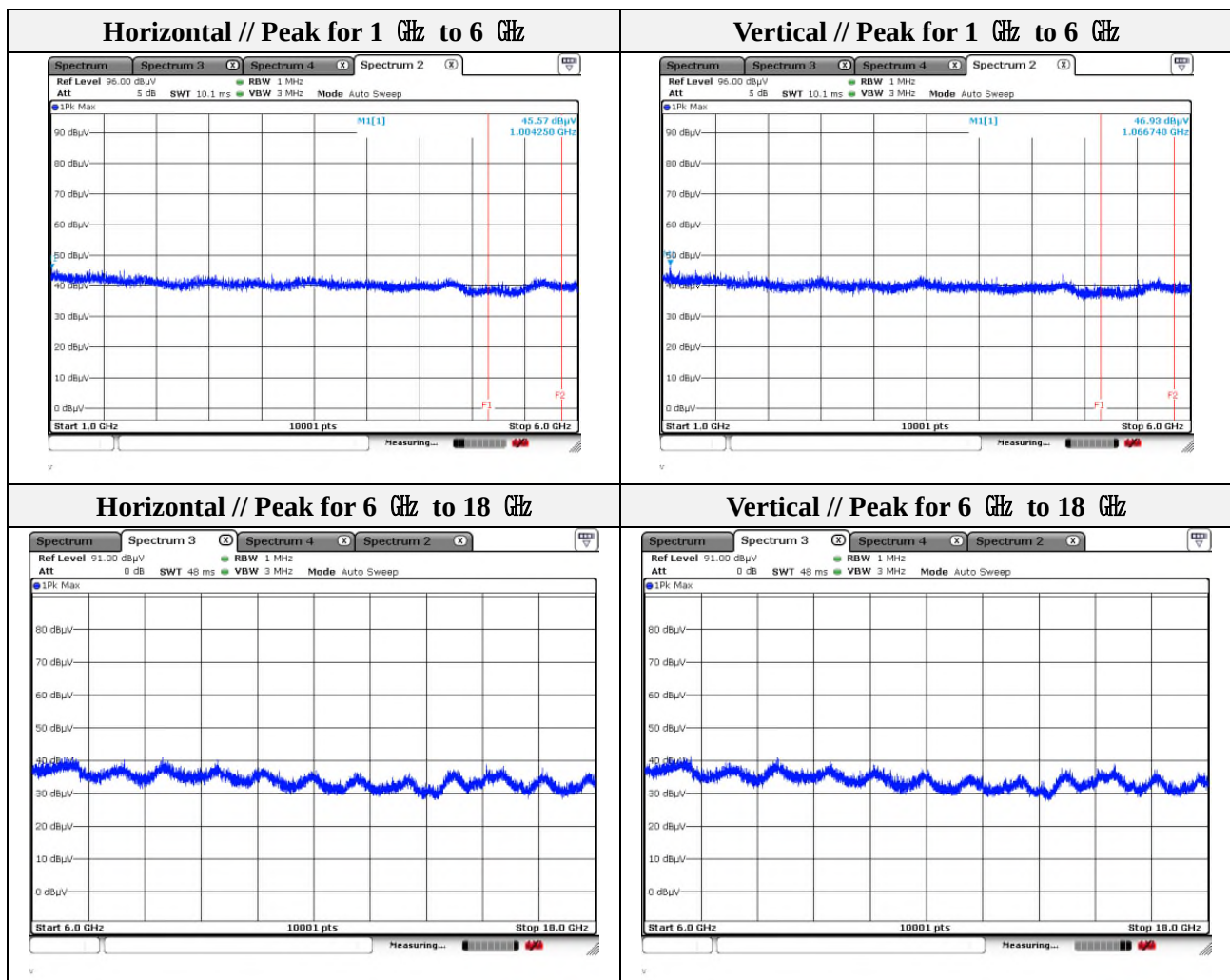
Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: 802.11an_HT20
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 157

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 004.25	45.57	Peak	H	-9.44	-	36.13	74.00	37.87
1 066.74	46.93	Peak	V	-9.37	-	37.56	74.00	36.44



Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

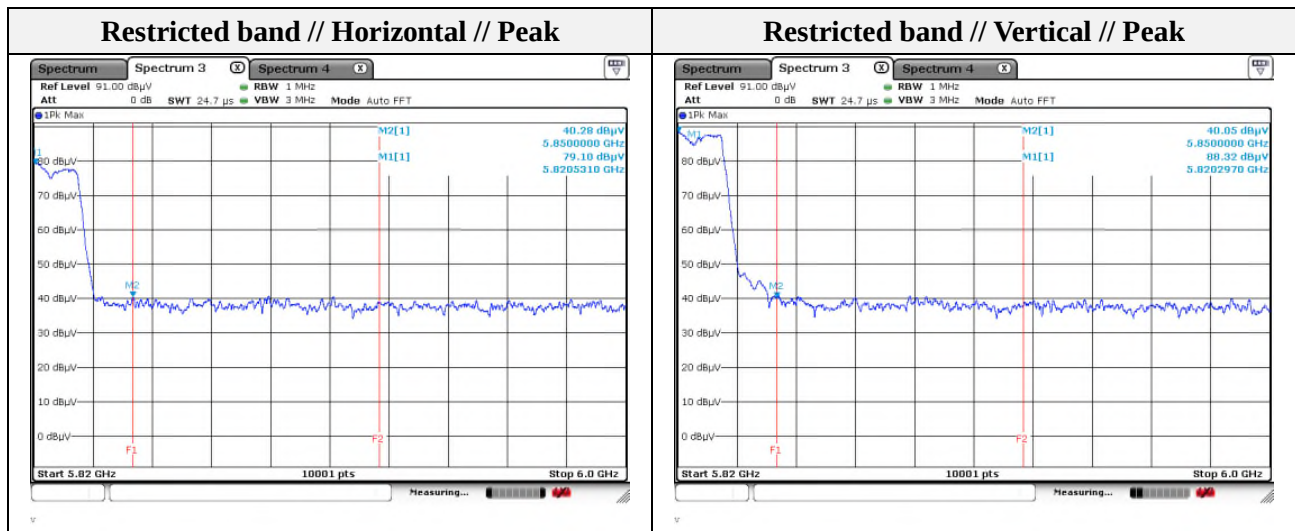
Mode: 802.11an_HT20
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 165

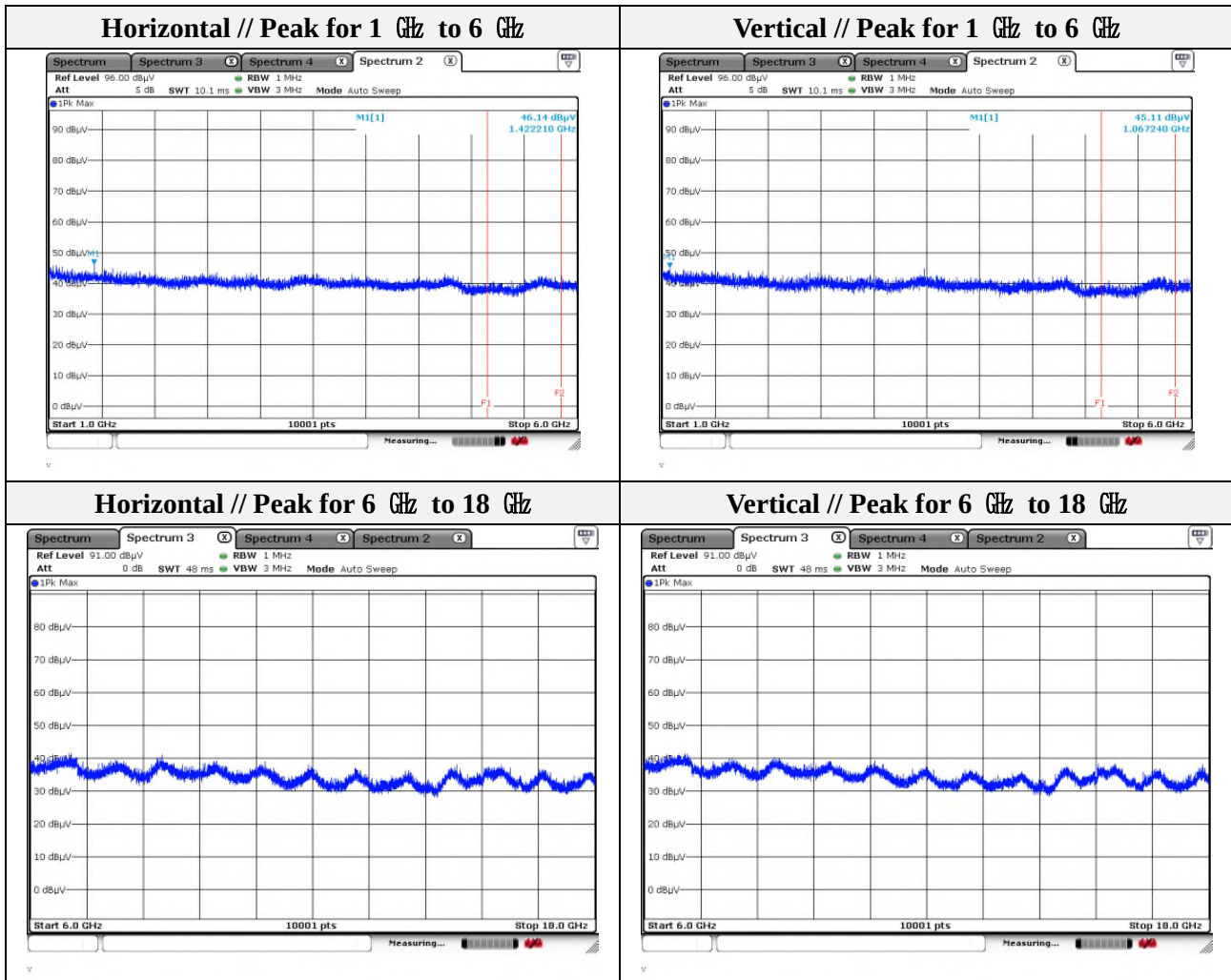
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 067.24	45.11	Peak	V	-9.37	-	35.74	74.00	38.26
1 422.21	46.14	Peak	H	-8.96	-	37.18	74.00	36.82

- 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)
5 850.00	40.05	Peak	V	10.43	-	50.48	122.23	71.75
5 850.00	40.28	Peak	H	10.43	-	50.71	122.23	71.52





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

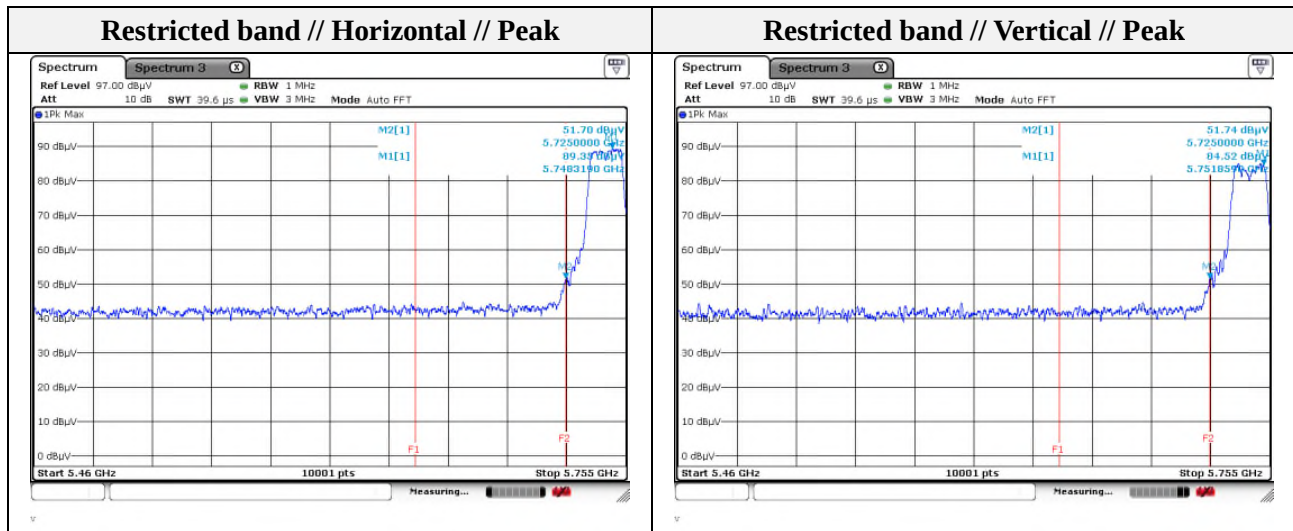
Mode: 802.11ac_VHT20
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 149

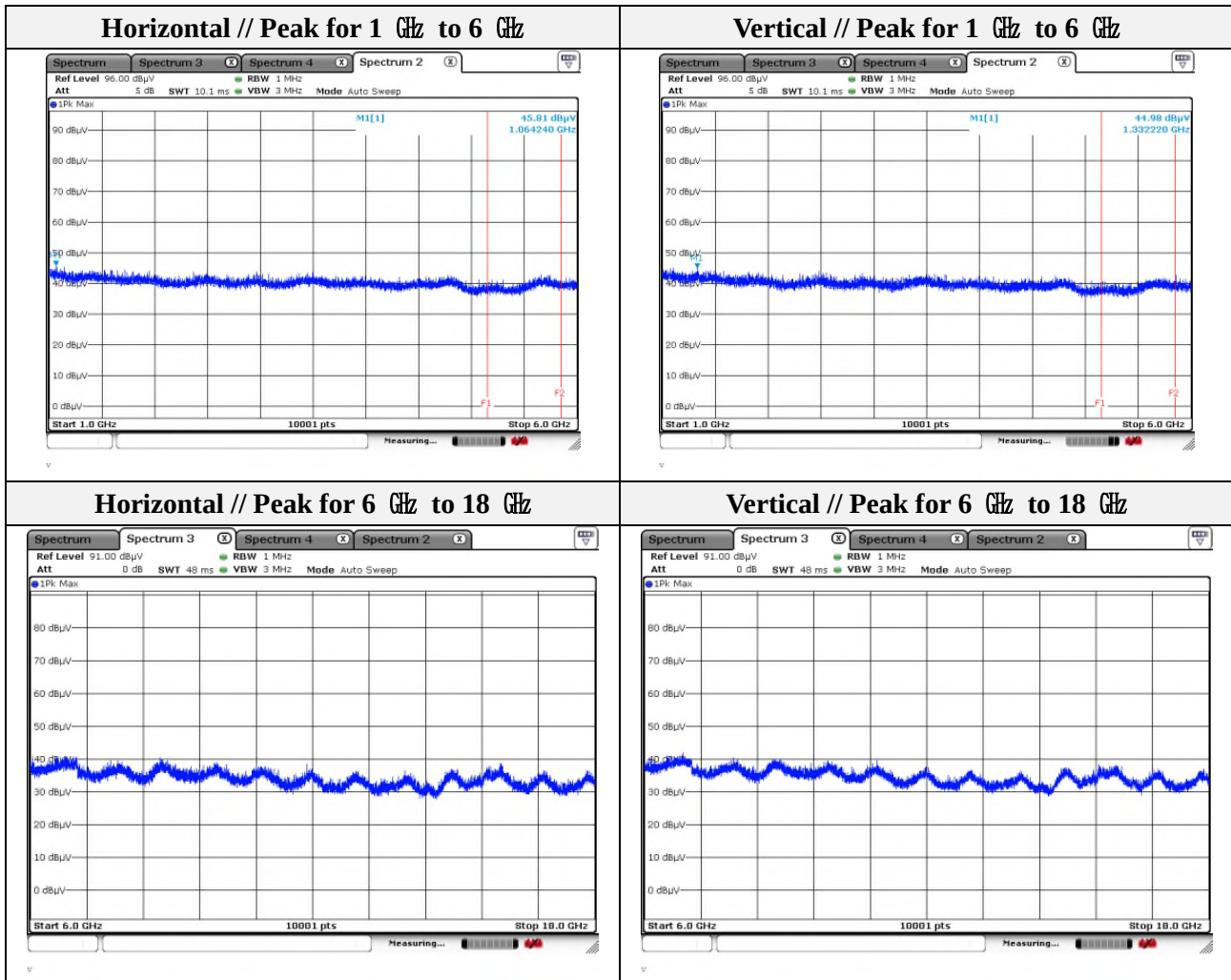
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 064.24	45.81	Peak	H	-9.38	-	36.43	74.00	37.57
1 332.22	44.98	Peak	V	-9.06	-	35.92	74.00	38.08

- 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)
5 725.00	51.70	Peak	H	9.68	-	61.38	122.23	60.85
5 725.00	51.74	Peak	V	9.68	-	61.42	122.23	60.81





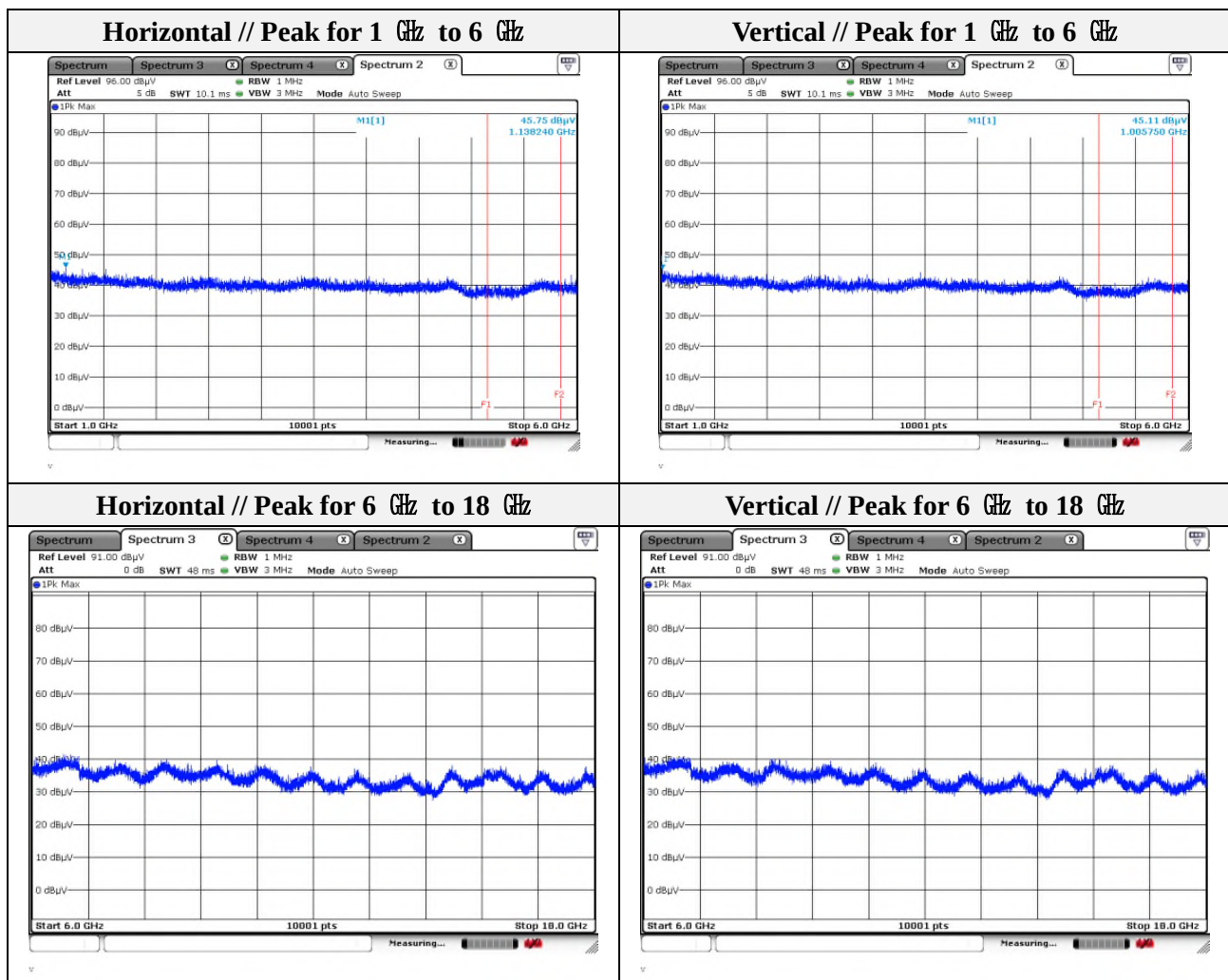
Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: 802.11ac_VHT20
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 157

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 005.75	45.11	Peak	V	-9.43	-	35.68	74.00	38.32
1 138.24	45.75	Peak	H	-9.30	-	36.45	74.00	37.55



Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

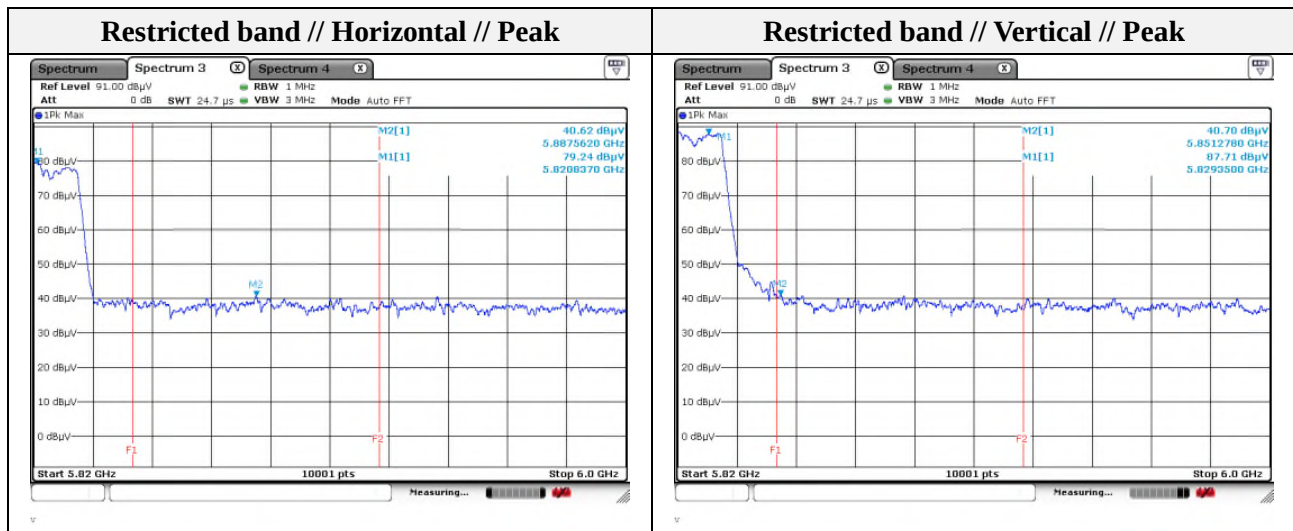
Mode: 802.11ac_VHT20
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 165

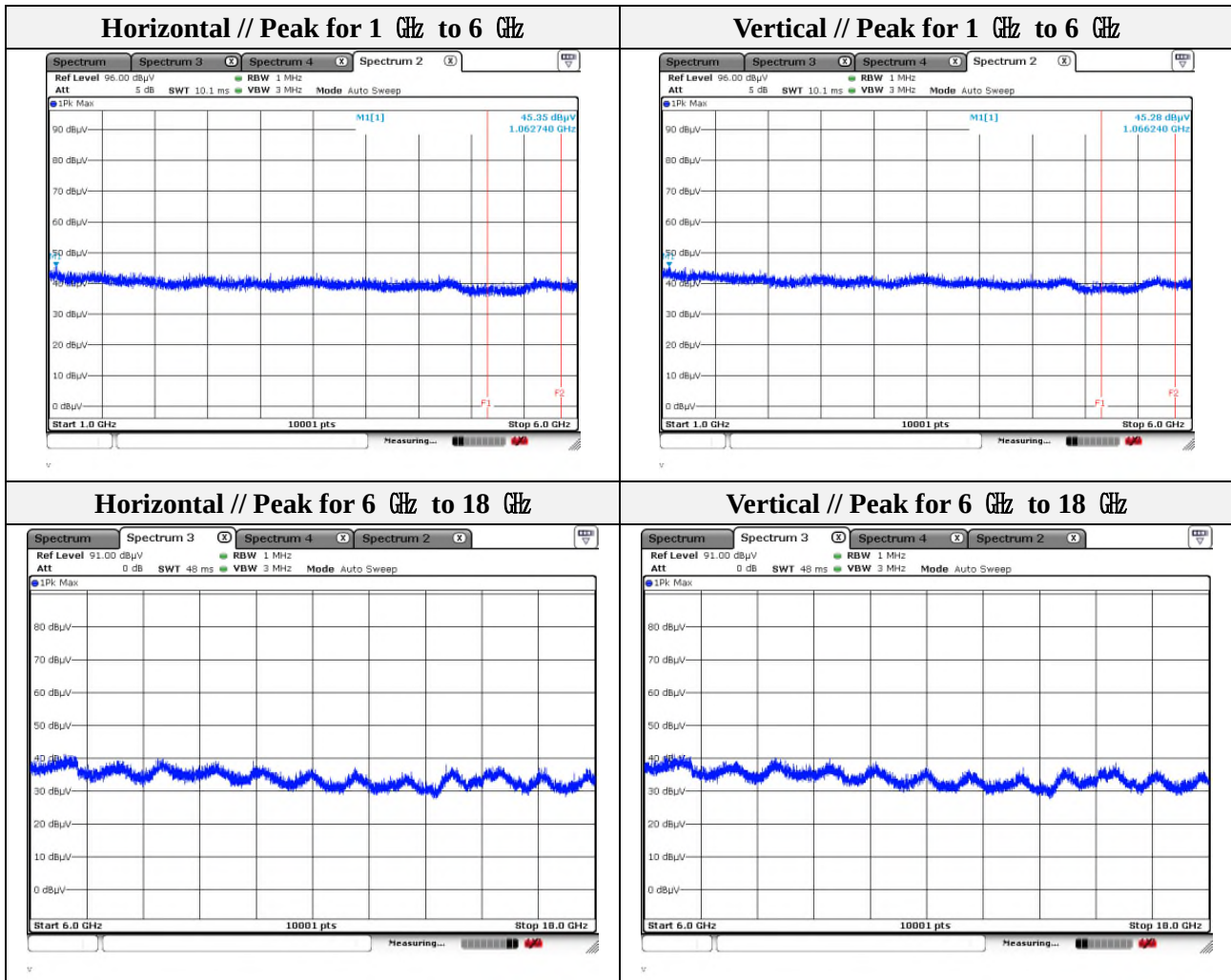
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 062.74	45.35	Peak	H	-9.37	-	35.98	74.00	38.02
1 066.24	45.28	Peak	V	-9.37	-	35.91	74.00	38.09

- 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)
5 851.28	40.70	Peak	V	10.44	-	51.14	119.31	68.17
5 887.56	40.62	Peak	H	10.78	-	51.40	82.08	30.68





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

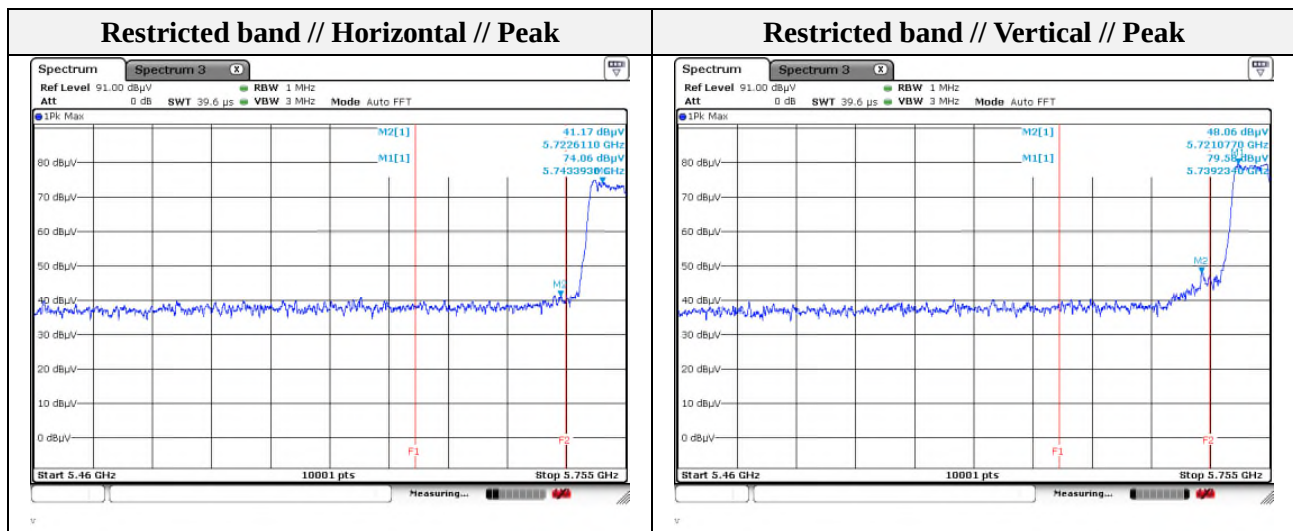
Mode: 802.11an_HT40
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 151

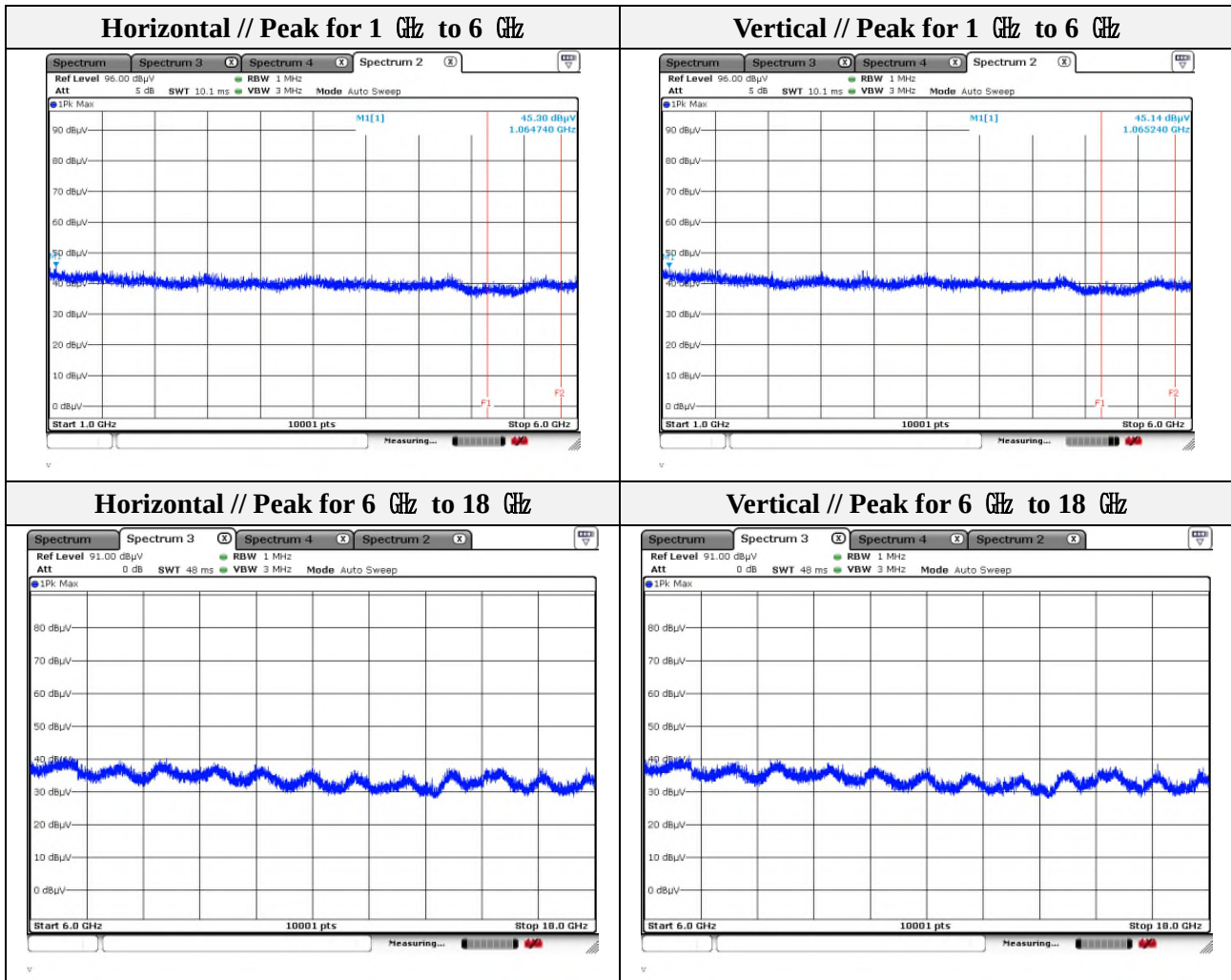
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 064.74	45.30	Peak	H	-9.38	-	35.92	74.00	38.08
1 065.24	45.14	Peak	V	-9.38	-	35.76	74.00	38.24

- 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)
5 721.08	48.06	Peak	V	9.67	-	57.73	113.29	55.56
5 722.61	41.17	Peak	H	9.67	-	50.84	116.78	65.94





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

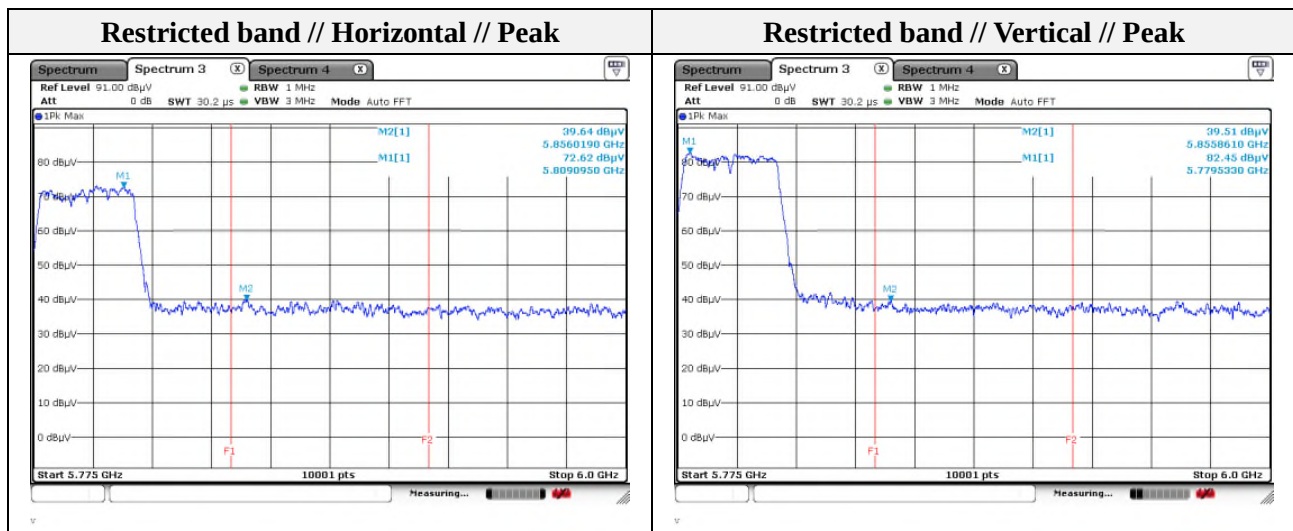
Mode: 802.11an_HT40
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 159

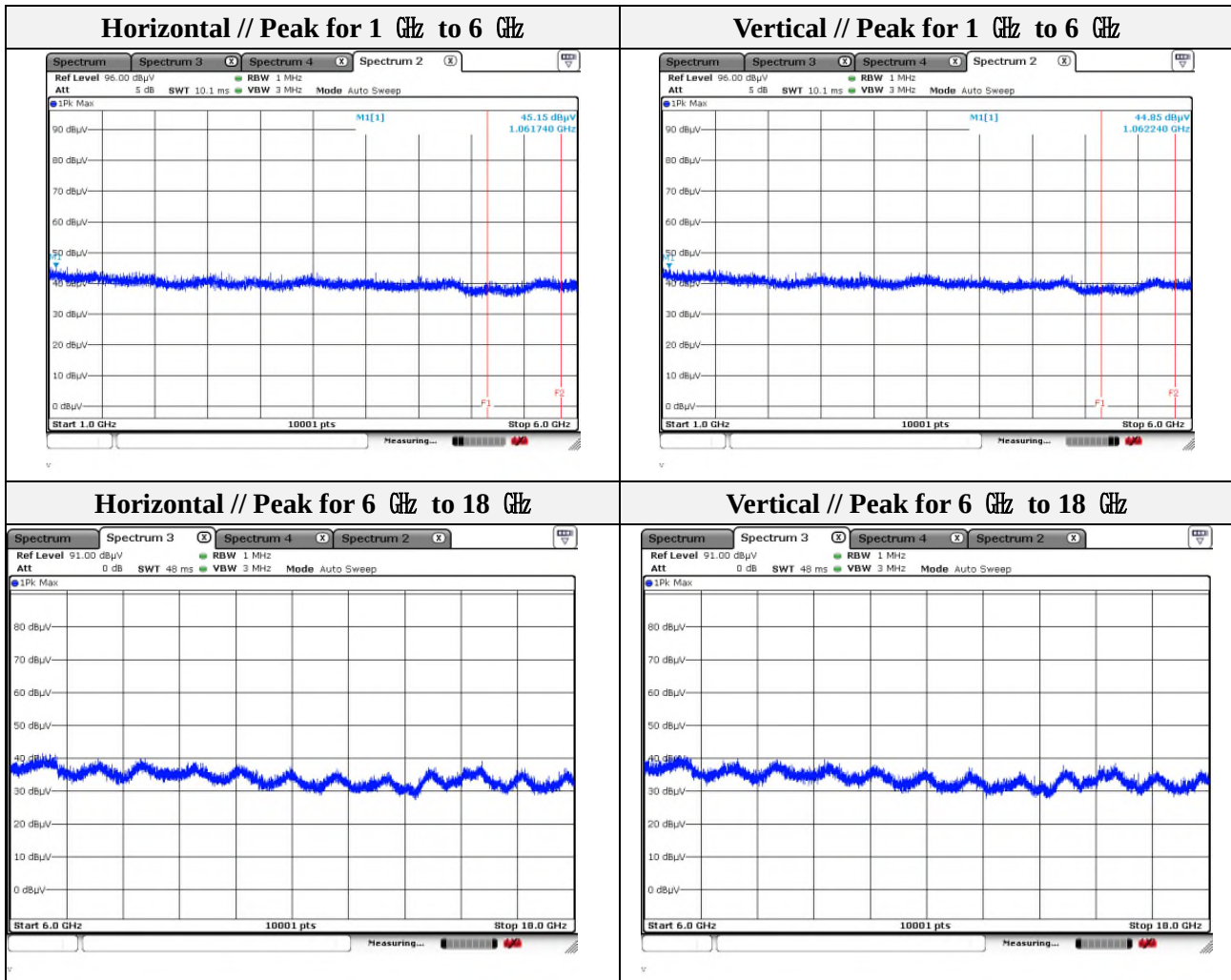
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 061.74	45.15	Peak	V	-9.38	-	35.77	74.00	38.23
1 062.24	44.85	Peak	H	-9.38	-	35.47	74.00	38.53

- 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)
5 855.86	39.51	Peak	V	10.48	-	49.99	93.81	43.82
5 856.02	39.64	Peak	H	10.48	-	50.12	93.75	43.63





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

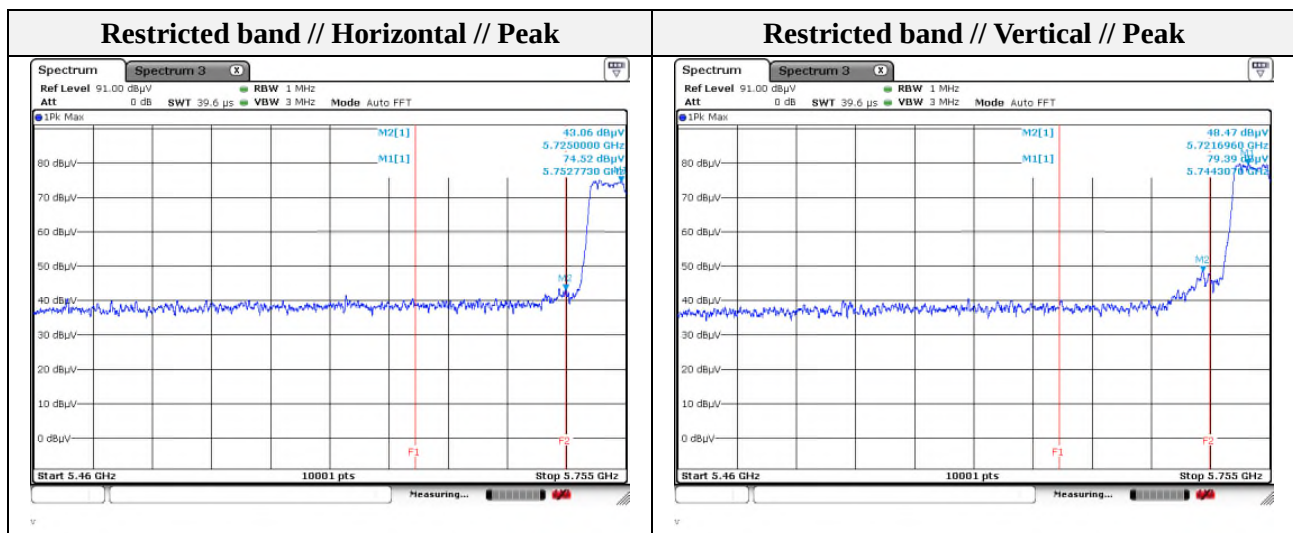
Mode:	802.11ac_VHT40
Band:	UNII-3
Distance of measurement:	3 meter
Channel:	151

- **Spurious**

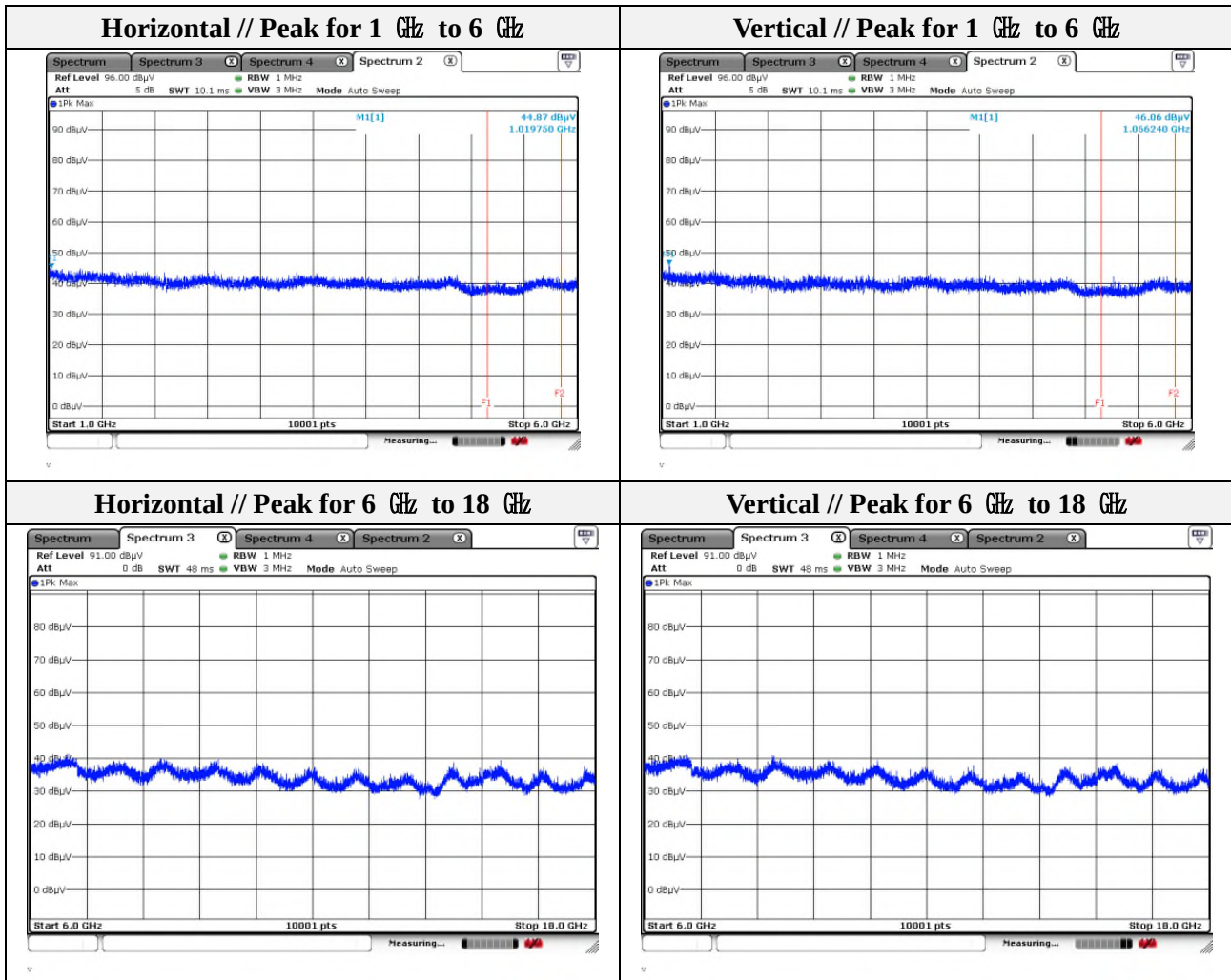
Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 019.75	44.87	Peak	H	-9.42	-	35.45	74.00	38.55
1 066.24	46.06	Peak	V	-9.37	-	36.69	74.00	37.31

- **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)
5 721.70	48.47	Peak	V	9.67	-	58.14	114.71	56.57
5 725.00	43.06	Peak	H	9.68	-	52.74	122.23	69.49



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Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

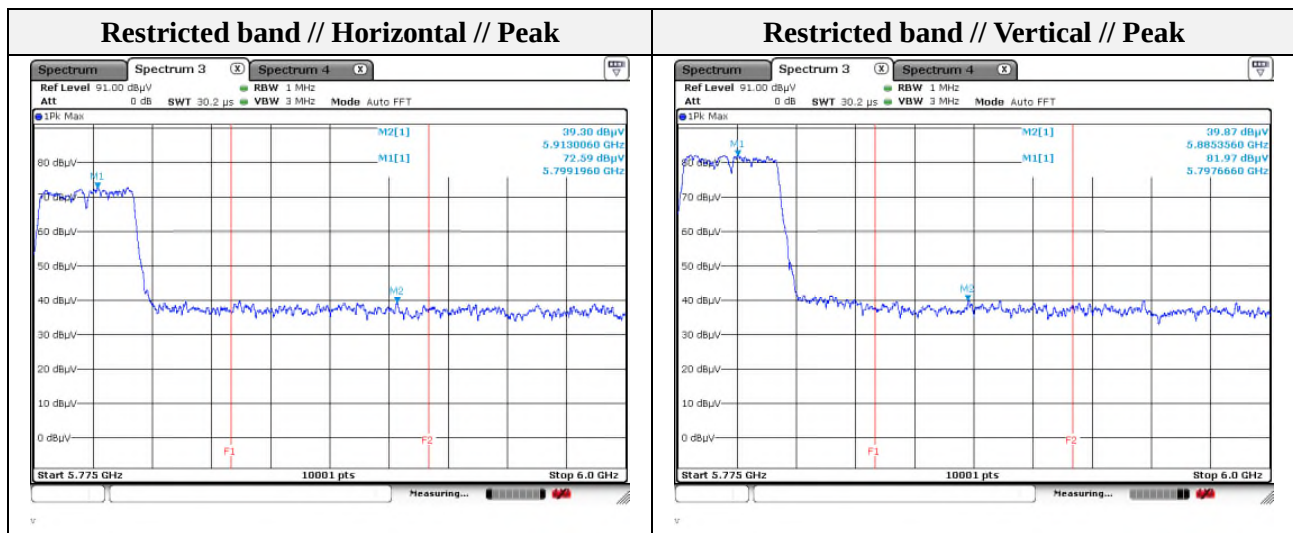
Mode: 802.11ac_VHT40
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 159

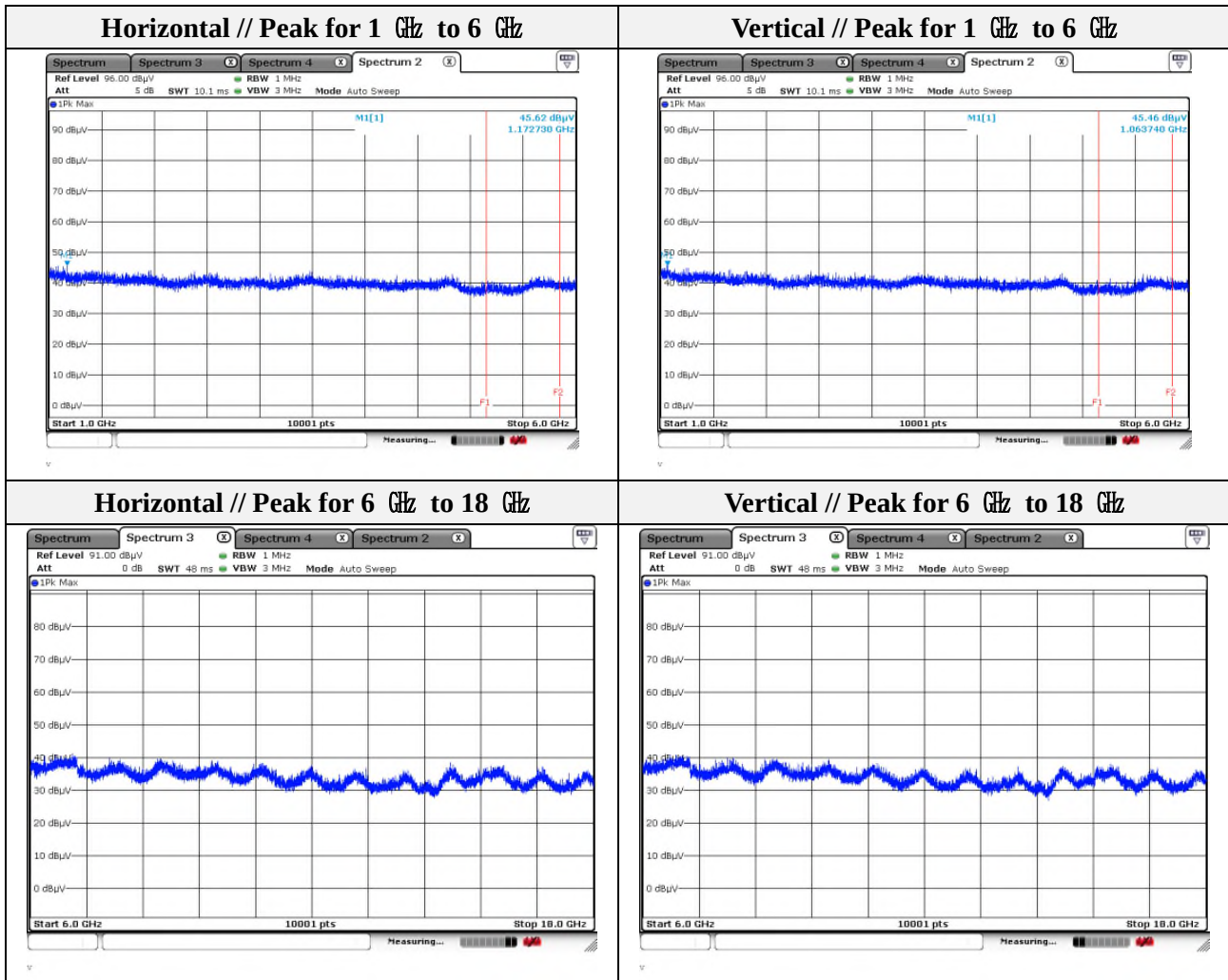
- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 063.74	45.46	Peak	V	-9.38	-	36.08	74.00	37.92
1 172.73	45.62	Peak	H	-9.27	-	36.35	74.00	37.65

- 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)
5 885.36	39.87	Peak	V	10.75	-	50.62	82.90	32.28
5 913.01	39.30	Peak	H	11.01	-	50.31	72.67	22.36





Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

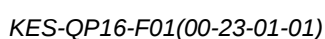
Mode: 802.11ac_VHT80
 Band: UNII-3
 Distance of measurement: 3 meter
 Channel: 155

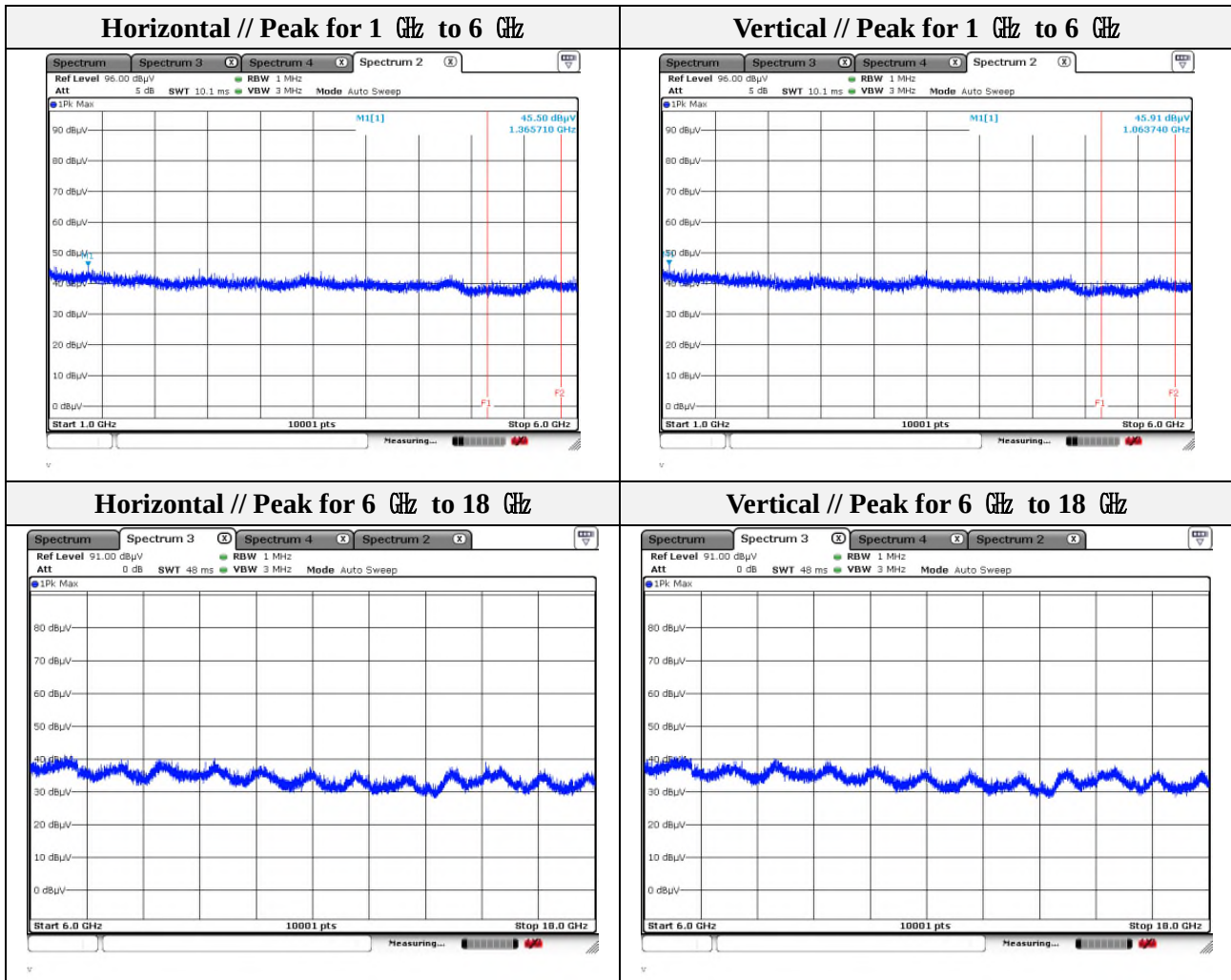
- **Spurious**

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 063.74	45.91	Peak	V	-9.38	-	36.53	74.00	37.47
1 365.71	45.50	Peak	H	-9.01	-	36.49	74.00	37.51

- **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)
5 693.80	42.53	Peak	V	9.57	-	52.10	100.64	48.54
5 704.45	40.12	Peak	H	9.60	-	49.72	106.48	56.76
5 853.63	39.58	Peak	V	10.46	-	50.04	113.95	63.91
5 856.02	39.64	Peak	H	10.48	-	50.12	93.75	43.63



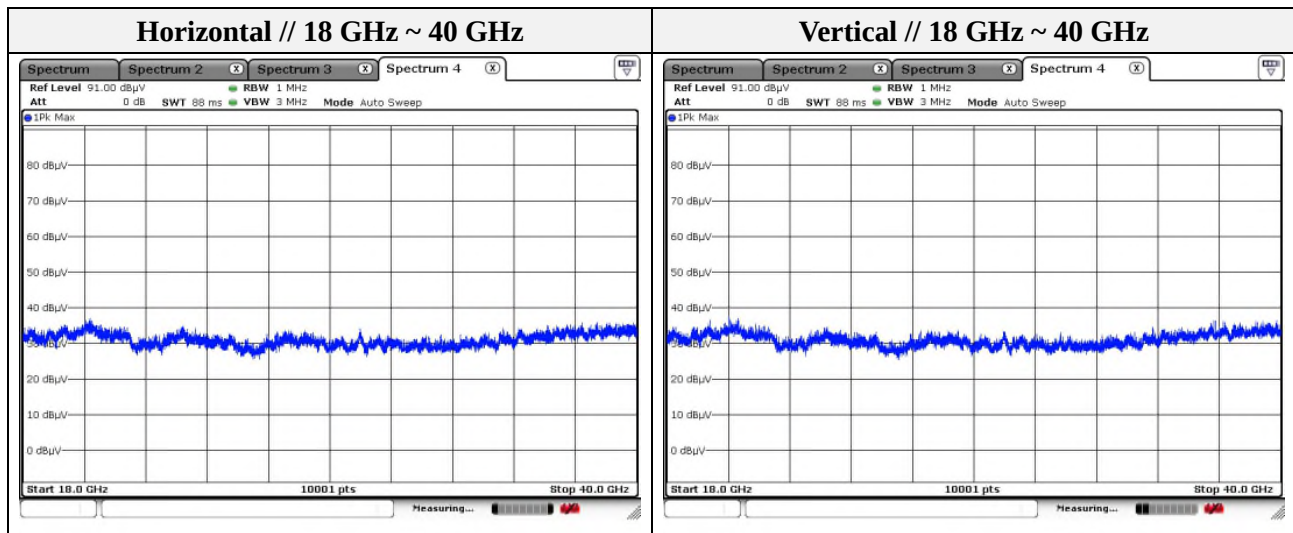


Note.

1. No spurious emission were detected above 6 GHz.
2. Average test would be performed if the peak result were greater than the average limit.

Test results (18 GHz to 40 GHz)

Mode: 802.11an_HT40
 Band: UNII-1
 Channel: 38 (Worst Case)
 Distance of measurement: 3 meter



Note.

1. No spurious emission were detected above 18 GHz.

3.7. AC conducted emissions

Limit

According to 15.207(a), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

Frequency of Emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

According to RSS-Gen 8.8, For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

Frequency of Emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

Test results

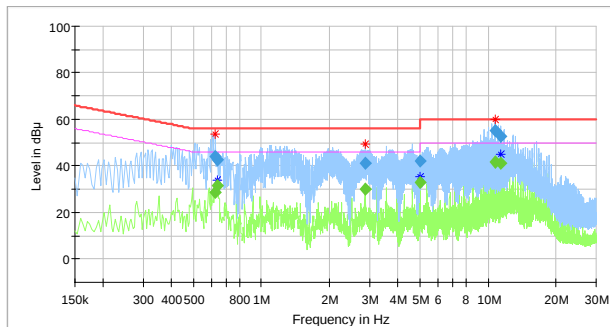
ANT1

Mode: 802.11an_HT40

Band: UNII-1

Channel: 38 (Worst Case)

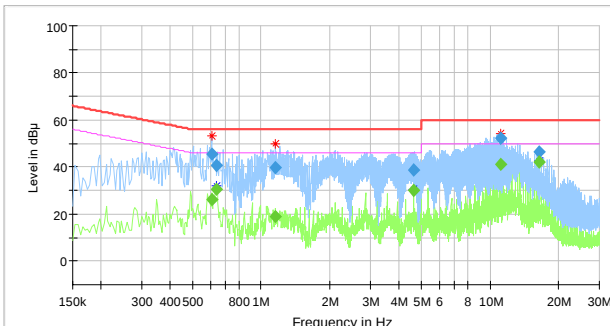
Hot Line



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.626000	---	28.41	46.00	17.59	1000.0	9.000	L1	20.0
0.626000	43.80	---	56.00	12.20	1000.0	9.000	L1	20.0
0.634000	---	31.36	46.00	14.64	1000.0	9.000	L1	20.0
0.634000	42.70	---	56.00	13.30	1000.0	9.000	L1	20.0
2.858000	---	29.94	46.00	16.06	1000.0	9.000	L1	20.4
2.858000	40.93	---	56.00	15.07	1000.0	9.000	L1	20.4
4.998000	---	33.03	46.00	12.97	1000.0	9.000	L1	19.9
4.998000	41.88	---	56.00	14.12	1000.0	9.000	L1	19.9
10.714000	---	41.40	50.00	8.60	1000.0	9.000	L1	20.4
10.714000	55.07	---	60.00	4.93	1000.0	9.000	L1	20.4
11.422000	---	41.26	50.00	8.74	1000.0	9.000	L1	20.4
11.422000	52.52	---	60.00	7.48	1000.0	9.000	L1	20.4

Neutral Line



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.606000	---	26.00	46.00	20.00	1000.0	9.000	N	19.9
0.606000	45.30	---	56.00	10.70	1000.0	9.000	N	19.9
0.634000	---	30.47	46.00	15.53	1000.0	9.000	N	20.0
0.634000	40.79	---	56.00	15.21	1000.0	9.000	N	20.0
1.154000	---	18.99	46.00	27.01	1000.0	9.000	N	20.2
1.154000	39.81	---	56.00	16.19	1000.0	9.000	N	20.2
4.642000	---	29.95	46.00	16.05	1000.0	9.000	N	19.9
4.642000	38.64	---	56.00	17.36	1000.0	9.000	N	19.9
11.074000	---	41.29	50.00	8.71	1000.0	9.000	N	20.4
11.074000	52.37	---	60.00	7.63	1000.0	9.000	N	20.4
16.430000	---	41.99	50.00	8.01	1000.0	9.000	N	20.5
16.430000	46.47	---	60.00	13.53	1000.0	9.000	N	20.5

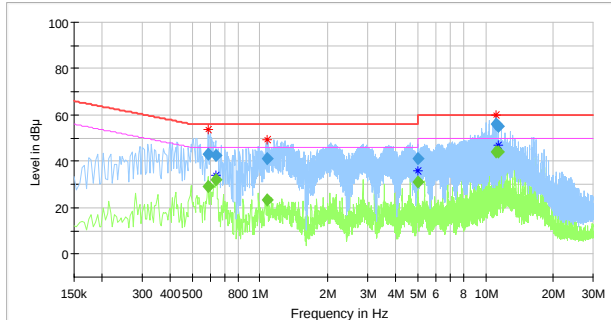
ANT2

Mode: 802.11an_HT40

Band: UNII-1

Channel: 38 (Worst Case)

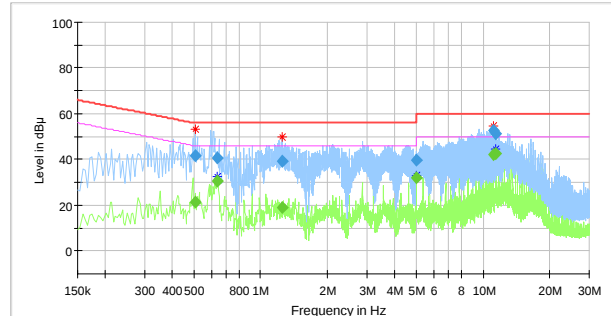
Hot Line



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.586000	---	28.91	46.00	17.09	1000.0	9.000	L1	20.0
0.586000	42.85	---	56.00	13.15	1000.0	9.000	L1	20.0
0.638000	---	32.13	46.00	13.87	1000.0	9.000	L1	20.0
0.638000	42.60	---	56.00	13.40	1000.0	9.000	L1	20.0
1.074000	---	23.25	46.00	22.75	1000.0	9.000	L1	20.2
1.074000	41.37	---	56.00	14.63	1000.0	9.000	L1	20.2
4.998000	---	31.05	46.00	14.95	1000.0	9.000	L1	19.9
4.998000	41.22	---	56.00	14.78	1000.0	9.000	L1	19.9
11.070000	---	43.87	50.00	6.13	1000.0	9.000	L1	20.4
11.070000	56.10	---	60.00	3.90	1000.0	9.000	L1	20.4
11.430000	---	43.92	50.00	6.08	1000.0	9.000	L1	20.4
11.430000	55.12	---	60.00	4.88	1000.0	9.000	L1	20.4

Neutral Line



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.506000	---	21.59	46.00	24.41	1000.0	9.000	N	19.8
0.506000	41.70	---	56.00	14.30	1000.0	9.000	N	19.8
0.634000	---	30.47	46.00	15.53	1000.0	9.000	N	20.0
0.634000	40.69	---	56.00	15.31	1000.0	9.000	N	20.0
1.250000	---	18.76	46.00	27.24	1000.0	9.000	N	20.2
1.250000	39.41	---	56.00	16.59	1000.0	9.000	N	20.2
4.998000	---	31.98	46.00	14.02	1000.0	9.000	N	19.9
4.998000	39.55	---	56.00	16.45	1000.0	9.000	N	19.9
11.070000	---	42.22	50.00	7.78	1000.0	9.000	N	20.4
11.070000	52.66	---	60.00	7.34	1000.0	9.000	N	20.4
11.426000	---	42.38	50.00	7.62	1000.0	9.000	N	20.4
11.426000	51.27	---	60.00	8.73	1000.0	9.000	N	20.4

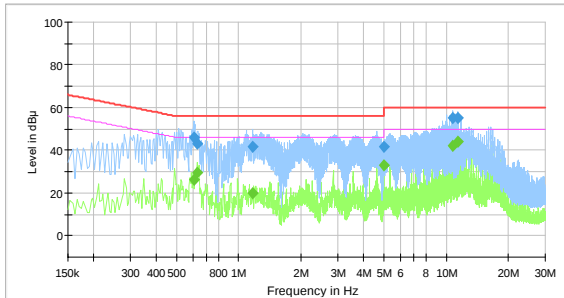
MIMO

Mode: 802.11an_HT40

Band: UNII-1

Channel: 38 (Worst Case)

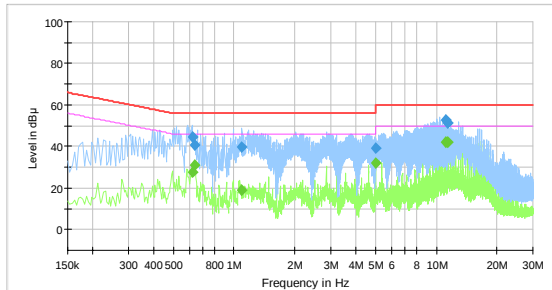
Hot Line



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.606000	---	26.42	46.00	19.58	1000.0	9.000	L1	20.0
0.606000	45.98	---	56.00	10.02	1000.0	9.000	L1	20.0
0.630000	---	29.63	46.00	16.37	1000.0	9.000	L1	20.0
0.630000	43.19	---	56.00	12.81	1000.0	9.000	L1	20.0
1.166000	---	19.93	46.00	26.07	1000.0	9.000	L1	20.3
1.166000	41.71	---	56.00	14.29	1000.0	9.000	L1	20.3
4.998000	---	33.07	46.00	12.93	1000.0	9.000	L1	19.9
4.998000	41.81	---	56.00	14.19	1000.0	9.000	L1	19.9
10.714000	---	42.18	50.00	7.82	1000.0	9.000	L1	20.4
10.714000	55.33	---	60.00	4.67	1000.0	9.000	L1	20.4
11.430000	---	44.03	50.00	5.97	1000.0	9.000	L1	20.4
11.430000	54.95	---	60.00	5.05	1000.0	9.000	L1	20.4

Neutral Line



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.622000	---	27.46	46.00	18.54	1000.0	9.000	N	20.0
0.622000	44.64	---	56.00	11.36	1000.0	9.000	N	20.0
0.638000	---	31.23	46.00	14.77	1000.0	9.000	N	20.0
0.638000	40.51	---	56.00	15.49	1000.0	9.000	N	20.0
1.094000	---	19.02	46.00	26.98	1000.0	9.000	N	20.2
1.094000	39.85	---	56.00	16.15	1000.0	9.000	N	20.2
4.998000	---	31.81	46.00	14.19	1000.0	9.000	N	19.9
4.998000	39.35	---	56.00	16.65	1000.0	9.000	N	19.9
11.070000	---	42.14	50.00	7.86	1000.0	9.000	N	20.4
11.070000	52.62	---	60.00	7.38	1000.0	9.000	N	20.4
11.426000	---	42.32	50.00	7.68	1000.0	9.000	N	20.4
11.426000	51.25	---	60.00	8.75	1000.0	9.000	N	20.4

Appendix A. Measurement equipment

Equipment	Manufacturer	Model	Serial No.	Calibration interval	Calibration due.
Spectrum analyzer	R&S	FSV3044	101272	1 year	2023.03.14
Spectrum analyzer	R&S	FSV40-N	102194	1 year	2023.08.11
SIGNAL GENERATOR	KEYSIGHT	N5182B	MY59100115	1 year	2023.04.27
SIGNAL GENERATOR	Anritsu	68369B	002118	1 year	2023.05.13
Power Meter	Anritsu	ML2495A	2010001	1 year	2023.04.27
Pulse Power Sensor	Anritsu	MA2411B	1911111	1 year	2023.04.27
Attenuator	Mini-Circuits	BW-S10-2W263+	3	1 year	2023.01.17
Loop Antenna	Schwarzbeck	FMZB1513	225	2 years	2023.01.18
TRILOG-BROADBAND ANTENNA	Schwarzbeck	VULB 9163	714	2 years	2024.04.19
Attenuator	HUBER+SHHNER	6806.17.A	NONE	1 year	2023.04.01
Horn Antenna	A.H	SAS-571	414	1 year	2023.01.18
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA 9170550	1 year	2023.01.18
Amplifier	SONOMA INSTRUMENT	310N	100517	1 year	2023.08.01
PREAMPLIFIER	HP	8449B	3008A00538	1 year	2023.06.02
BROADBAND AMPLIFIER	SCHWARZBECK	BBV9721	PS9721-003	1 year	2023.01.17
DC Power supply	Agilent	6632B	MY43004090	1 year	2023.06.21
EMI Test Receiver	R&S	ESU26	100517	1 year	2023.08.01
EMI Test Receiver	R&S	ESR3	101783	1 year	2023.11.11
PULSE LIMITER	R&S	ESH2-Z2	101915	1 year	2023.11.10
BAND REJECT FILTER	MICRO-TRONICS	BRM50716	G199	1 year	2023.01.14
LISN	R&S	ENV216	101787	1 year	2023.11.10
Temp. & Humid. Chamber	ESPEC	SH642	93012658	1 year	2023.06.16

Peripheral devices

Device	Manufacturer	Model No.	Serial No.
Notebook computer	LG Electronics Inc.,	LGS53	306QCZP560949

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