



## KES Co., Ltd.

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KES-RF-23T0099-R1  
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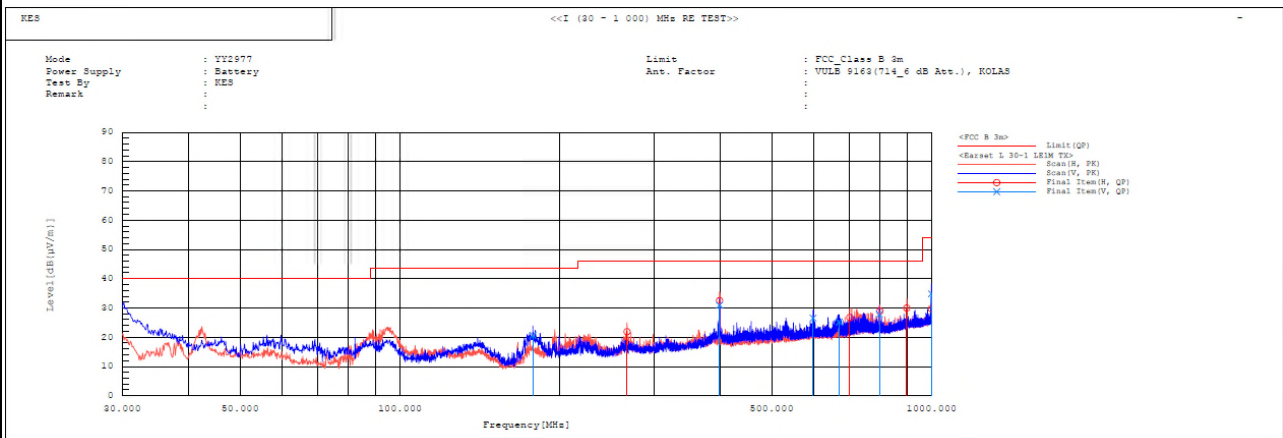
### Test results (Below 1 000 MHz)

Mode: LE 1 Mbps(Left Unit)

Distance of measurement: 3 meter

Channel: 00 (Worst case)

### Horizontal // Vertical



### Final Result

No.	Frequency	Pol	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dB (μV)]	[dB (1/m)]	[dB (μV/m)]	[dB (μV/m)]	[dB]	[cm]	[deg]	
1	177.804	V	35.0	-14.3	20.7	43.5	22.8	100.0	244.2	
2	267.408	H	32.6	-10.7	21.9	46.0	24.1	200.0	0.0	
3	398.964	H	39.7	-7.2	32.5	46.0	13.5	187.0	10.1	
4	398.964	V	38.1	-7.2	30.9	46.0	15.1	100.0	222.8	
5	598.784	V	30.1	-3.6	26.5	46.0	19.5	100.0	308.6	
6	670.079	V	28.7	-3.5	25.2	46.0	20.8	121.0	27.4	
7	701.483	H	30.0	-3.3	26.7	46.0	19.3	189.0	139.1	
8	797.513	V	29.9	-2.1	27.8	46.0	18.2	100.0	0.0	
9	799.453	H	31.0	-2.1	28.9	46.0	17.1	200.0	332.3	
10	897.908	H	29.8	0.2	30.0	46.0	16.0	178.0	314.4	
11	999.273	H	27.0	2.7	29.7	54.0	24.3	200.0	314.4	
12	999.394	V	32.1	2.7	34.8	54.0	19.2	100.0	22.8	

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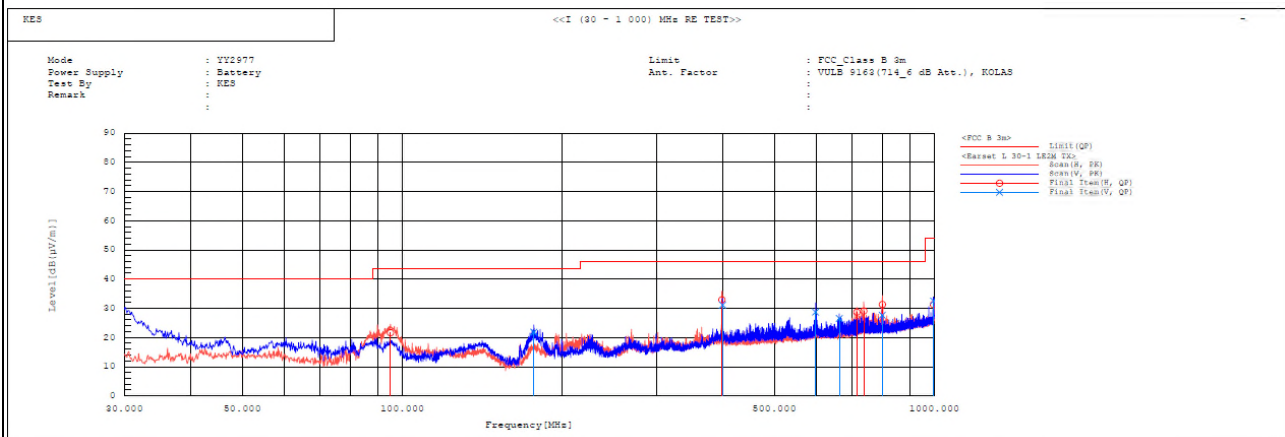
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Mode: LE 2 Mbps(Left Unit)

Distance of measurement: 3 meter

Channel: 00 (Worst case)

### Horizontal // Vertical



### Final Result

No.	Frequency	Pol	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		QP		QP	QP	QP	[cm]	[deg]	
			[dB (μV)]	[dB (1/m)]	[dB (μV/m)]	[dB (μV/m)]	[dB]			
1	94.990	H	36.0	-14.4	21.6	43.5	21.9	200.0	227.5	
2	176.713	V	36.1	-14.3	21.8	43.5	21.7	100.0	136.5	
3	398.721	H	40.1	-7.2	32.9	46.0	13.1	200.0	241.6	
4	399.934	V	38.3	-7.2	31.1	46.0	14.9	100.0	247.4	
5	598.056	V	32.3	-3.6	28.7	46.0	17.3	121.0	0.1	
6	663.289	V	30.1	-3.6	26.5	46.0	19.5	100.0	70.7	
7	715.305	H	31.7	-3.0	28.7	46.0	17.3	189.0	308.7	
8	737.251	H	31.7	-2.6	29.1	46.0	16.9	211.0	353.2	
9	797.998	V	29.7	-2.1	27.6	46.0	18.4	100.0	0.1	
10	798.725	H	33.4	-2.1	31.3	46.0	14.7	200.0	89.7	
11	995.999	H	28.7	2.6	31.3	54.0	22.7	177.0	46.0	
12	996.726	V	29.9	2.6	32.5	54.0	21.5	100.0	291.1	

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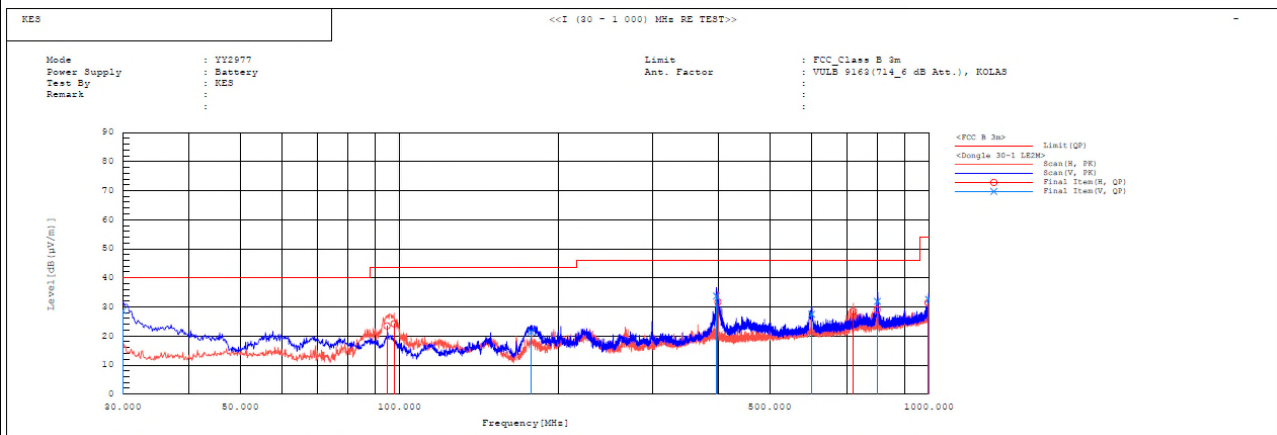
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Mode: LE 1 Mbps(Right Unit)

Distance of measurement: 3 meter

Channel: 00 (Worst case)

### Horizontal // Vertical



### Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB (μV)]	c.f [dB (1/m)]	Result QP [dB (μV/m)]	Limit QP [dB (μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	30.000	V	44.0	-15.3	28.7	40.0	11.3	100.0	332.5	
2	94.626	H	37.9	-14.4	23.5	43.5	20.0	200.0	71.3	
3	97.658	H	38.1	-13.9	24.2	43.5	19.3	200.0	226.1	
4	177.440	V	35.6	-14.3	21.3	43.5	22.2	100.0	314.5	
5	396.903	V	41.0	-7.3	33.7	46.0	12.3	100.0	226.9	
6	399.449	H	38.9	-7.2	31.7	46.0	14.3	188.0	225.0	
7	600.724	V	31.1	-3.6	27.5	46.0	18.5	100.0	51.1	
8	719.791	H	31.4	-2.9	28.5	46.0	17.5	190.0	335.9	
9	798.119	H	31.1	-2.1	29.0	46.0	17.0	200.0	137.6	
10	799.574	V	34.0	-2.1	31.9	46.0	14.1	121.0	27.5	
11	996.605	H	28.9	2.6	31.5	54.0	22.5	200.0	313.2	
12	998.666	V	30.0	2.6	32.6	54.0	21.4	100.0	293.0	

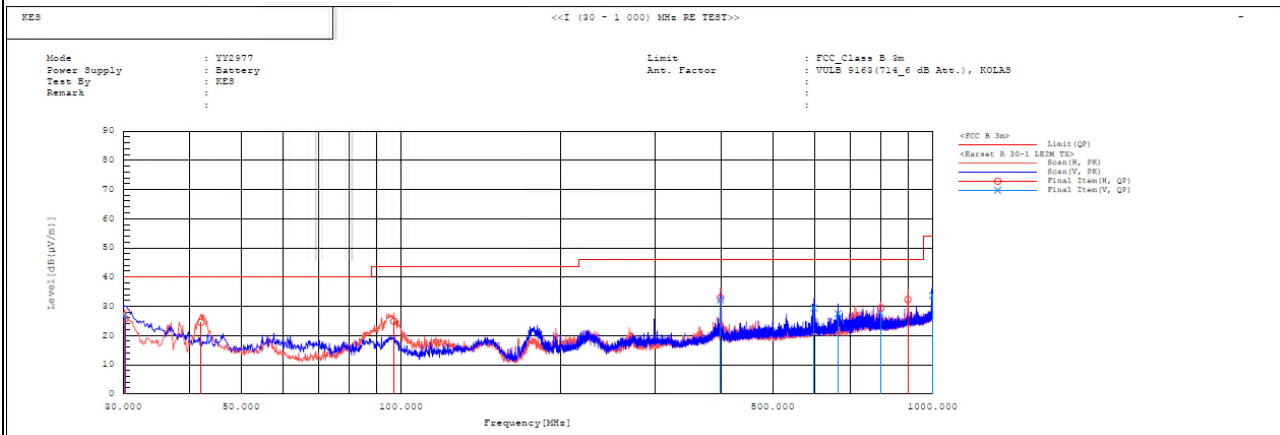
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Mode: LE 2 Mbps(Right Unit)  
Distance of measurement: 3 meter  
Channel: 00 (Worst case)

**Horizontal // Vertical****Final Result**

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	30.121	V	42.1	-15.3	26.8	40.0	13.2	100.0	310.5	
2	30.243	H	41.0	-15.3	25.7	40.0	14.3	200.0	4.5	
3	42.004	H	37.4	-12.9	24.5	40.0	15.5	200.0	4.5	
4	96.930	H	38.9	-14.0	24.9	43.5	18.6	200.0	66.6	
5	398.964	H	40.1	-7.2	32.9	46.0	13.1	178.0	137.2	
6	399.085	V	39.4	-7.2	32.2	46.0	13.8	100.0	156.0	
7	598.663	V	33.0	-3.6	29.4	46.0	16.6	100.0	265.0	
8	664.380	V	31.1	-3.6	27.5	46.0	18.5	131.0	293.3	
9	797.876	V	29.8	-2.1	27.7	46.0	18.3	134.0	208.9	
10	799.695	H	31.5	-2.1	29.4	46.0	16.6	200.0	43.8	
11	898.756	H	32.1	0.2	32.3	46.0	13.7	200.0	113.3	
12	999.636	V	31.0	2.7	33.7	54.0	20.3	134.0	165.4	

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### Test results (Above 1 000 MHz)

Mode: LE 1 Mbps  
(Left Unit)

Distance of measurement: 3 meter

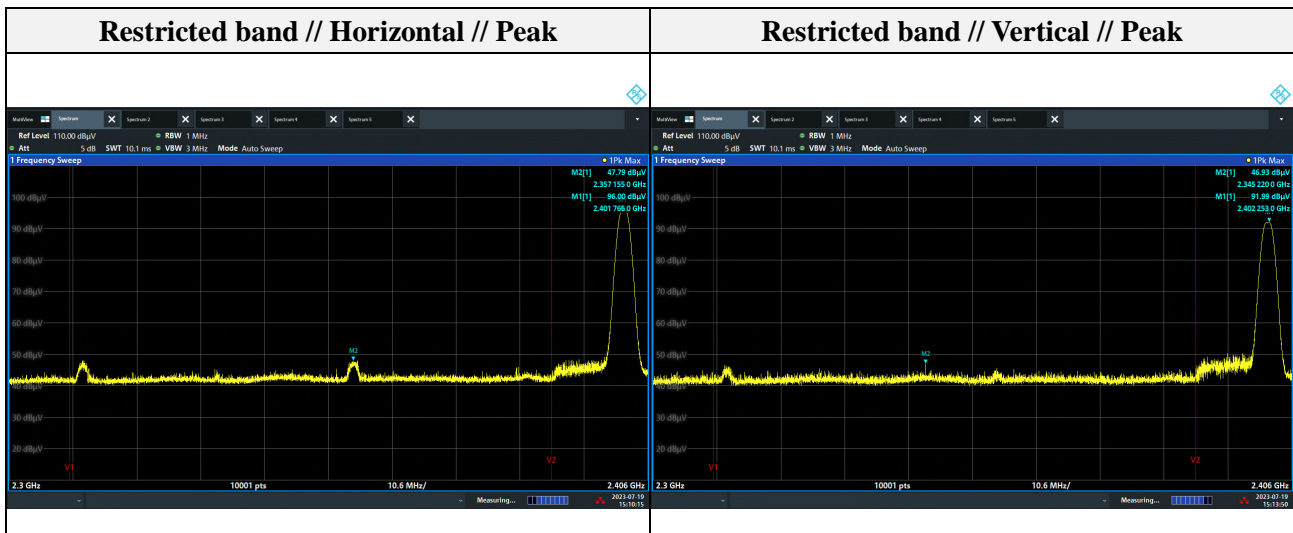
Channel: 00

#### - Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 331.27	46.78	Peak	H	-6.72	-	40.06	74.00	33.94
1 796.02	55.37	Peak	V	-4.60	-	50.77	74.00	23.23
1 991.80	53.73	Peak	V	-4.28	-	49.45	74.00	24.55
2 357.16	46.82	Peak	H	-3.69	--	43.13	74.00	30.87
2 590.94	54.61	Peak	V	-2.80	-	51.81	74.00	22.19

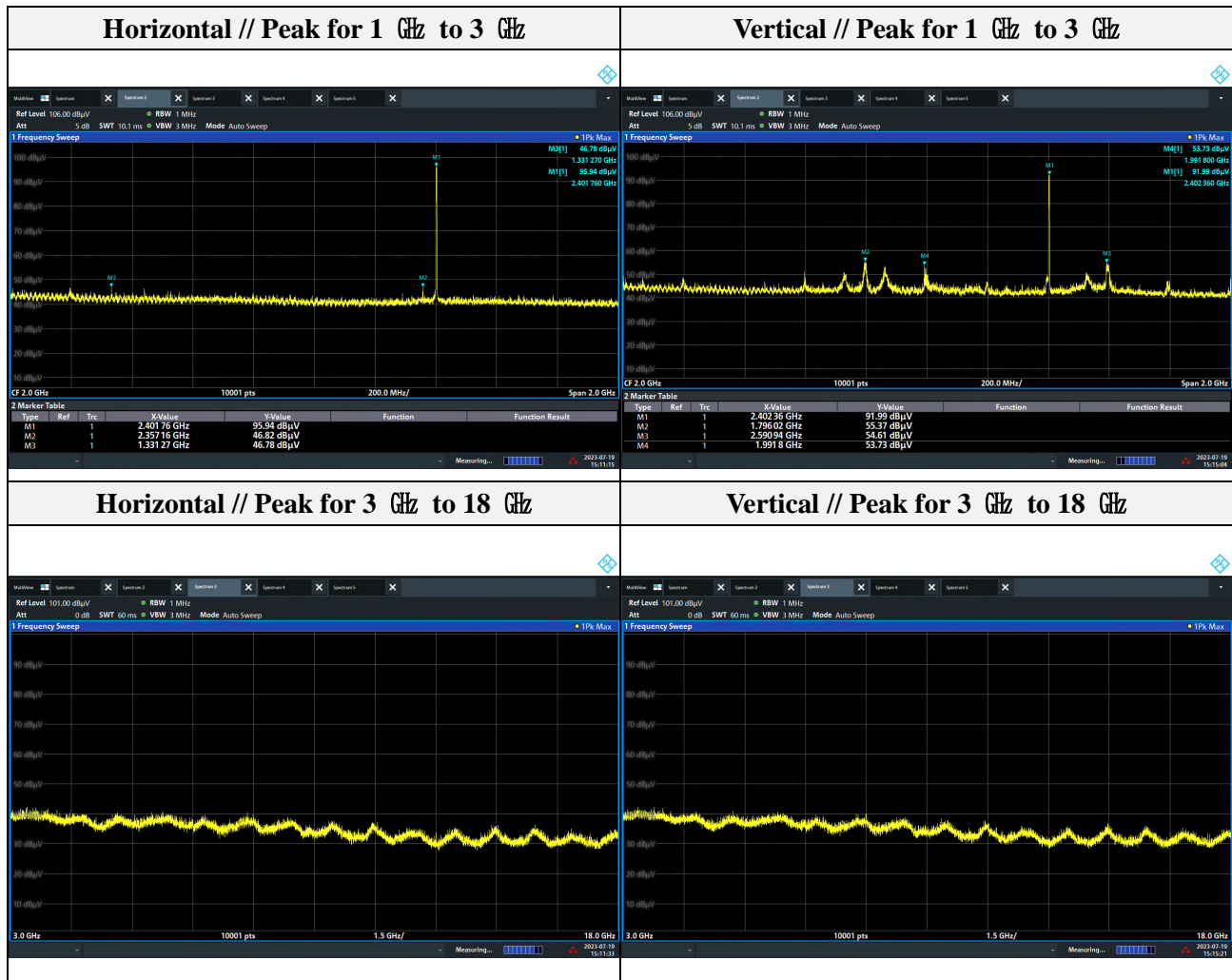
#### - Band edge

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2 345.22	46.93	Peak	V	-3.71	-	43.22	74.00	30.78
2 357.16	47.79	Peak	H	-3.69	-	44.10	74.00	29.90



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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.

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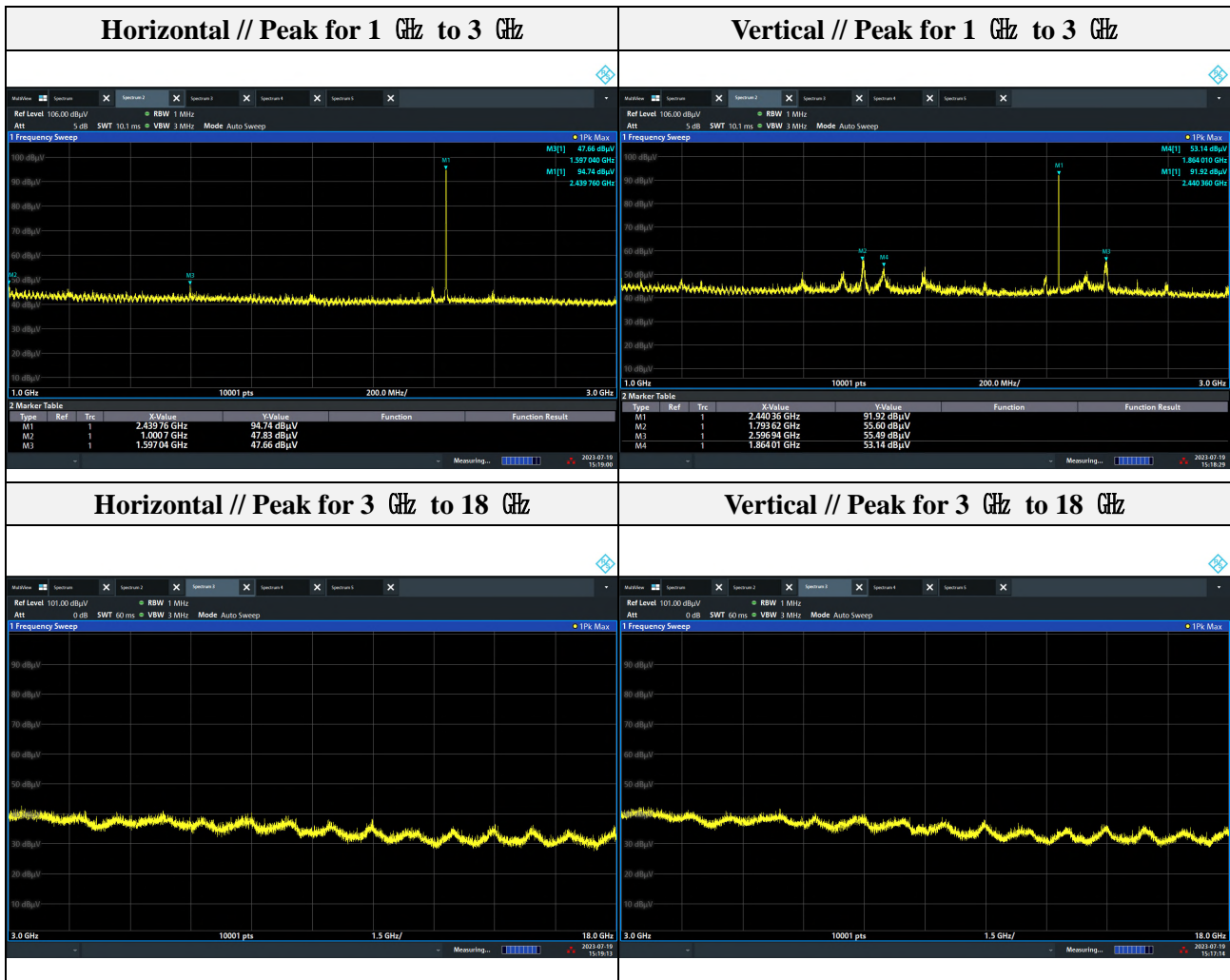
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Mode: LE 1 Mbps  
(Left Unit)  
Distance of measurement: 3 meter  
Channel: 19

**- Spurious**

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 000.70	47.83	Peak	H	-8.58	-	39.25	74.00	34.75
1 597.04	47.66	Peak	H	-6.04	-	41.62	74.00	32.38
1 793.62	55.60	Peak	V	-4.62	-	50.98	74.00	23.02
1 864.01	53.14	Peak	V	-4.48	-	48.66	74.00	25.34
2 596.94	55.49	Peak	V	-2.76	-	52.73	74.00	21.27

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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.





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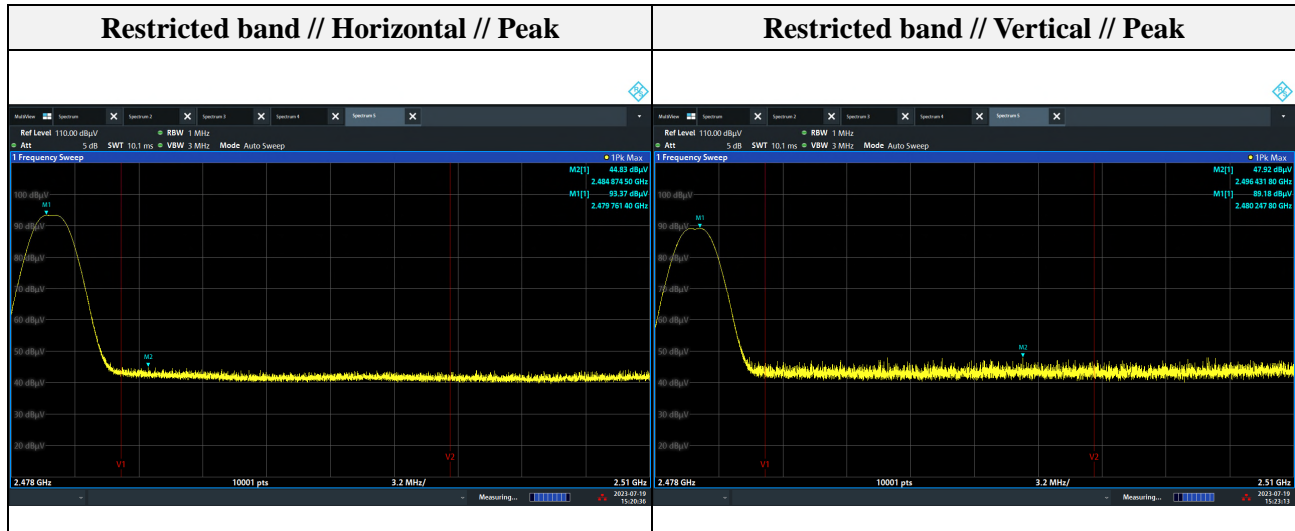
Mode: LE 1 Mbps  
(Left Unit)  
Distance of measurement: 3 meter  
Channel: 39

### - Spurious

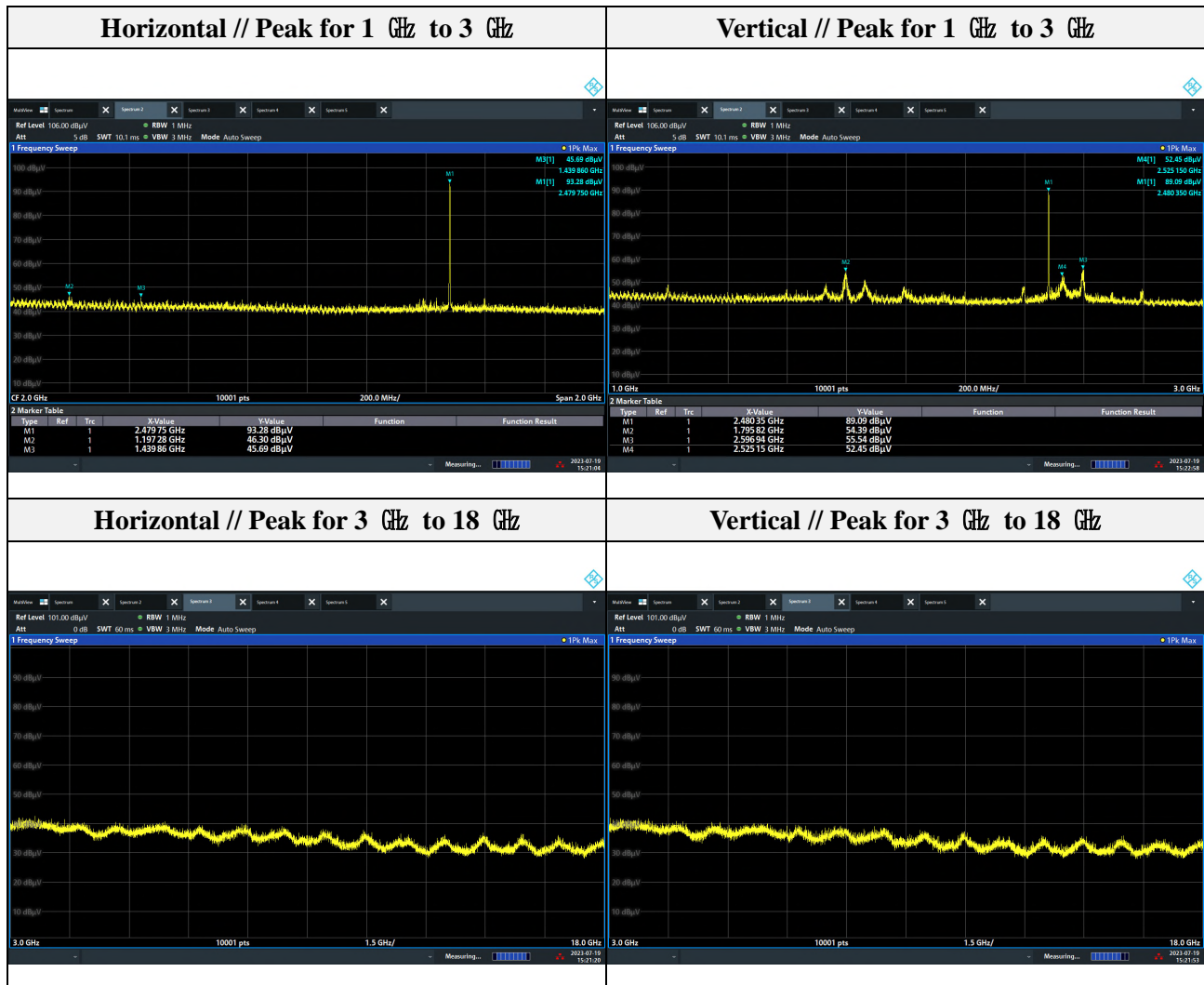
Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 197.28	46.30	Peak	H	-7.61	-	38.69	74.00	35.31
1 439.86	45.69	Peak	H	-6.22	-	39.47	74.00	34.53
1 795.82	54.39	Peak	V	-4.61	-	49.78	74.00	24.22
2 525.15	52.45	Peak	V	-3.19	-	49.26	74.00	24.74
2 596.94	55.54	Peak	V	-2.76	-	52.78	74.00	21.22

### - 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)
2 484.87	44.83	Peak	H	-3.38	-	41.45	74.00	32.55
2 496.43	47.92	Peak	V	-3.35	-	45.24	74.00	28.76



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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.



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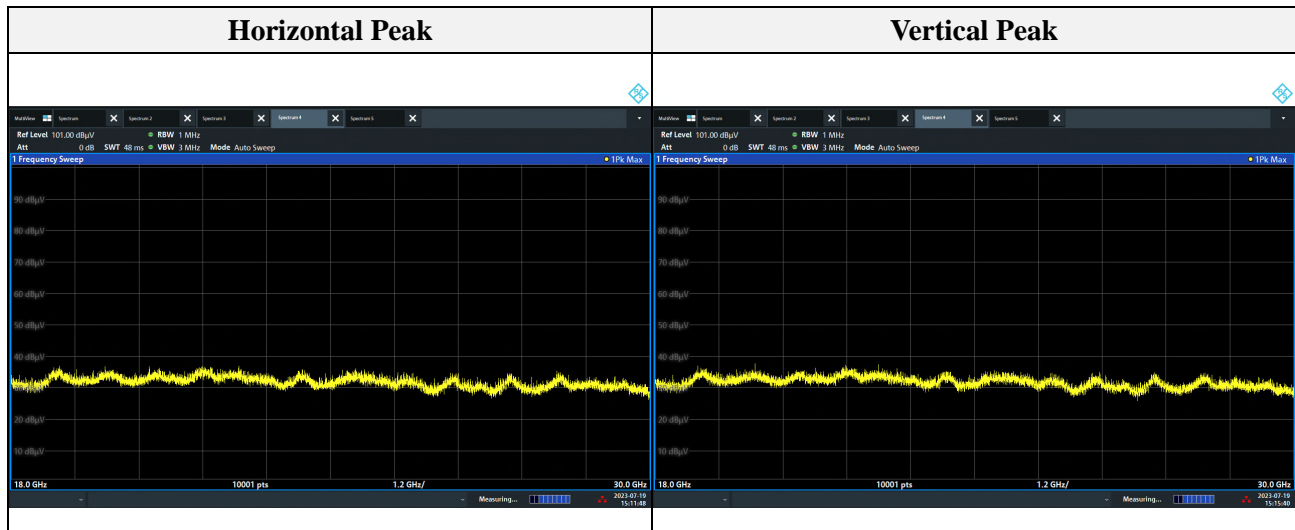
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### Test results (18 GHz to 30 GHz)

Mode: LE 1 Mbps  
(Left Unit)

Distance of measurement: 3 meter

Channel: 00 (Worst case)



Note.  
No spurious emission were detected above 18 GHz.

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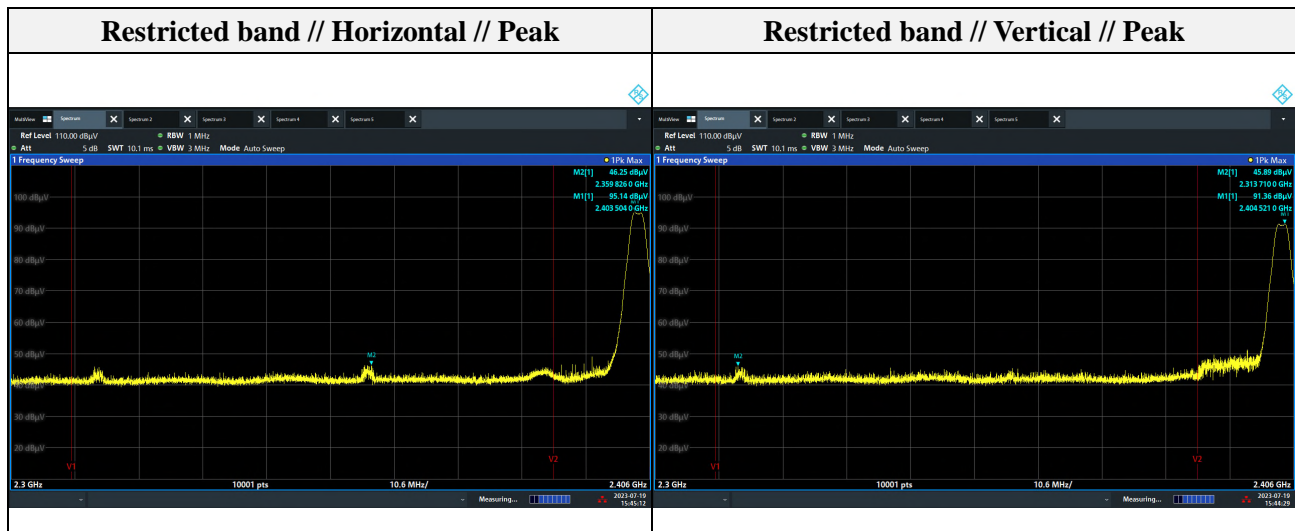
Mode: LE 2 Mbps  
(Left Unit)  
Distance of measurement: 3 meter  
Channel: 01

### - Spurious

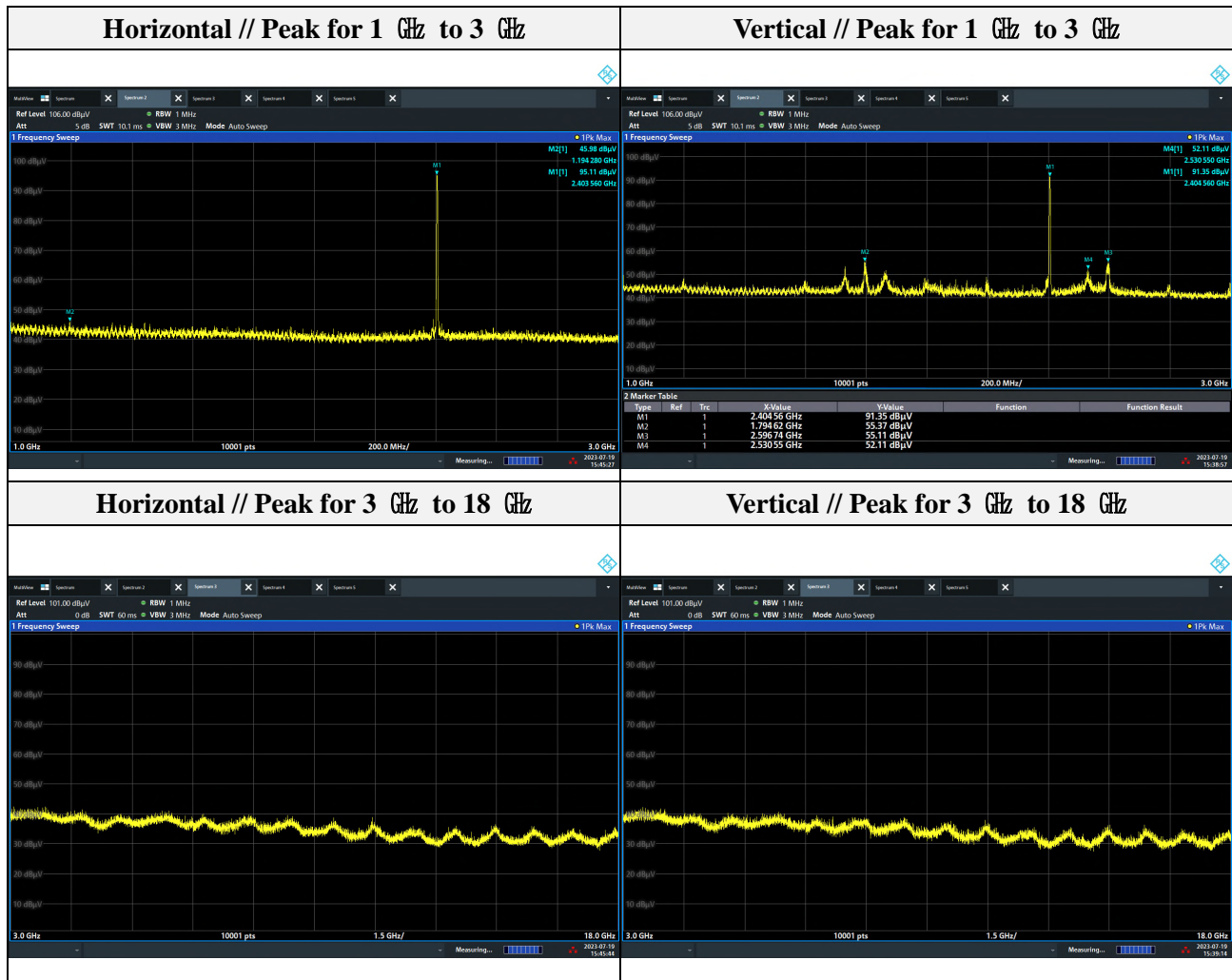
Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 194.28	45.98	Peak	H	-7.63	-	38.35	74.00	35.65
1 794.62	55.37	Peak	V	-4.61	-	50.76	74.00	23.24
2 530.55	52.11	Peak	V	-3.15	-	48.96	74.00	25.04
2 596.74	55.11	Peak	V	-2.76	-	52.35	74.00	21.65

### - 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)
2 313.71	45.89	Peak	V	-3.74	-	42.15	74.00	31.85
2 359.83	46.25	Peak	H	-3.69	-	42.56	74.00	31.44



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Note.

1. No spurious emission were detected above 3 GHz.
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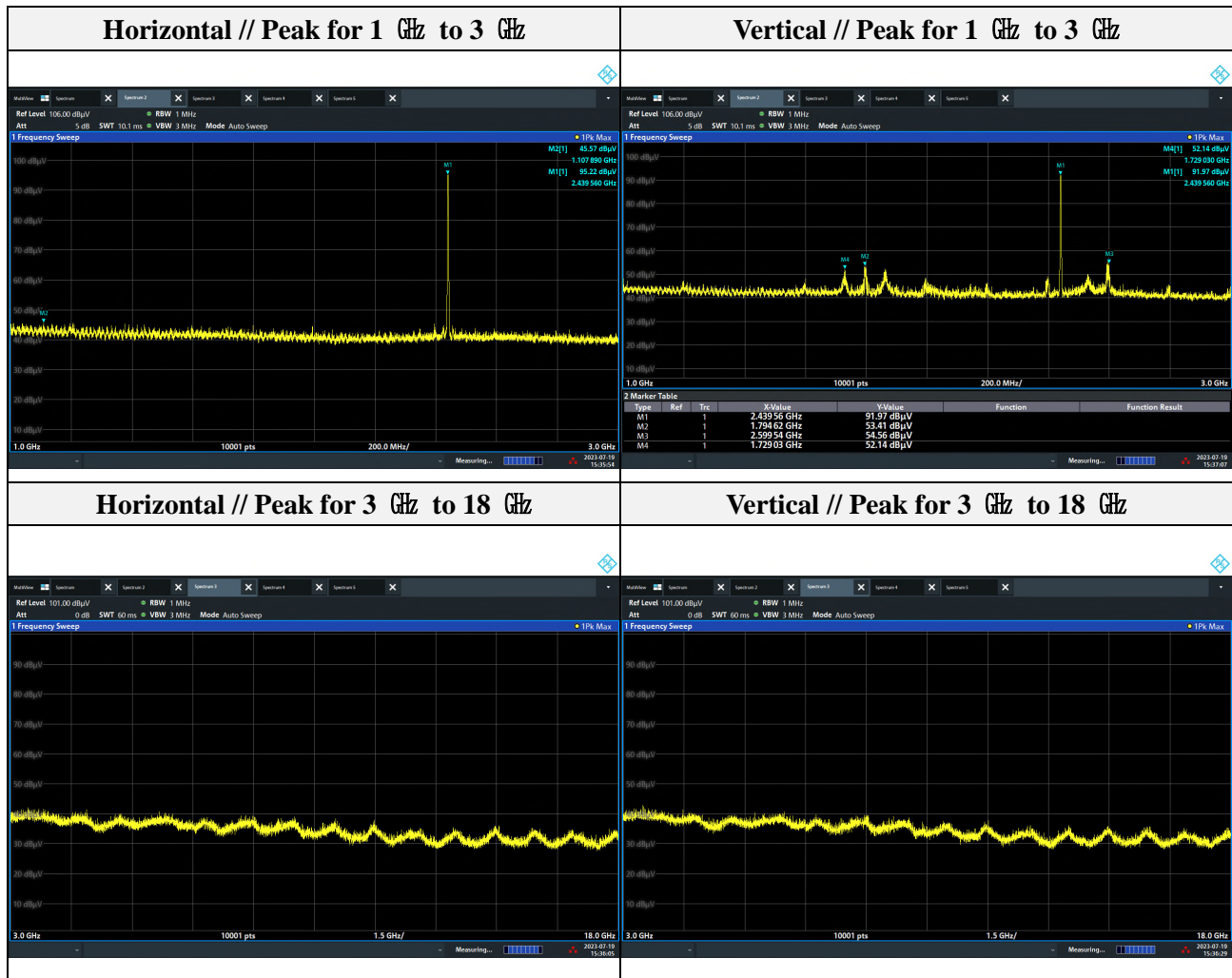
Mode: LE 2 Mbps  
(Left Unit)  
Distance of measurement: 3 meter  
Channel: 18

**- Spurious**

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 107.89	45.57	Peak	H	-8.05	-	37.52	74.00	36.48
1 729.03	52.14	Peak	V	-5.09	-	47.05	74.00	26.95
1 794.62	53.41	Peak	V	-4.61	-	48.80	74.00	25.20
2 599.54	54.56	Peak	V	-2.75	-	51.81	74.00	22.19

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Note.

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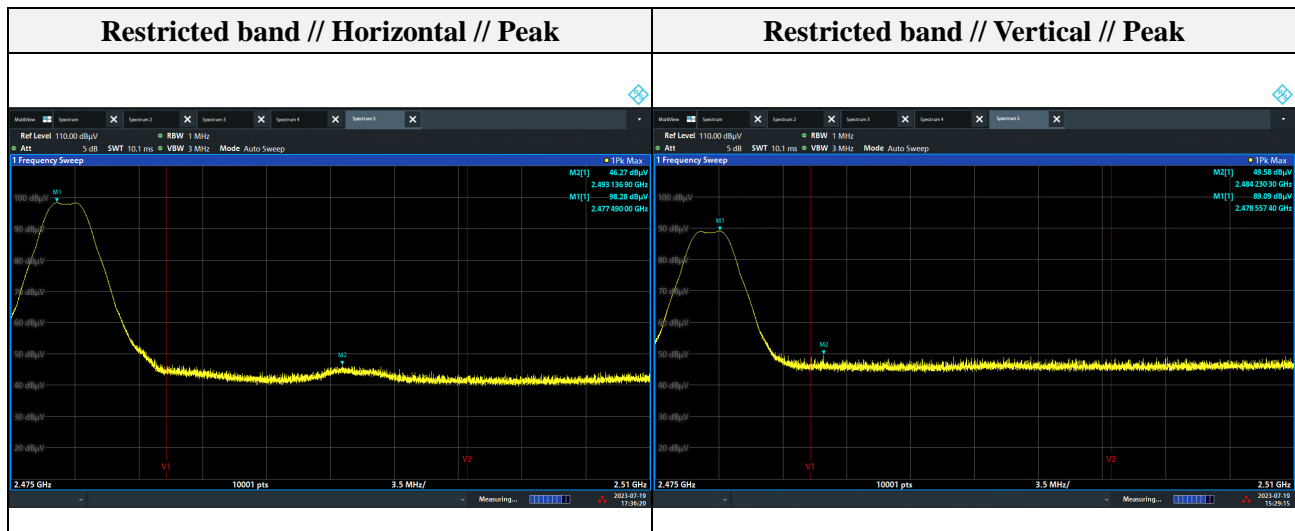
Mode: LE 2 Mbps  
(Left Unit)  
Distance of measurement: 3 meter  
Channel: 37

### - Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 197.48	46.67	Peak	H	-7.61	-	39.06	74.00	34.94
1 799.42	54.59	Peak	V	-4.58	-	50.01	74.00	23.99
1 865.21	50.71	Peak	V	-4.48	-	46.23	74.00	27.77
2 596.74	55.38	Peak	V	-2.76	-	52.62	74.00	21.38

### - 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)
2 484.23	49.58	Peak	V	-3.38	-	46.20	74.00	27.80
2 493.14	46.27	Peak	H	-3.36	-	42.91	74.00	31.09



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



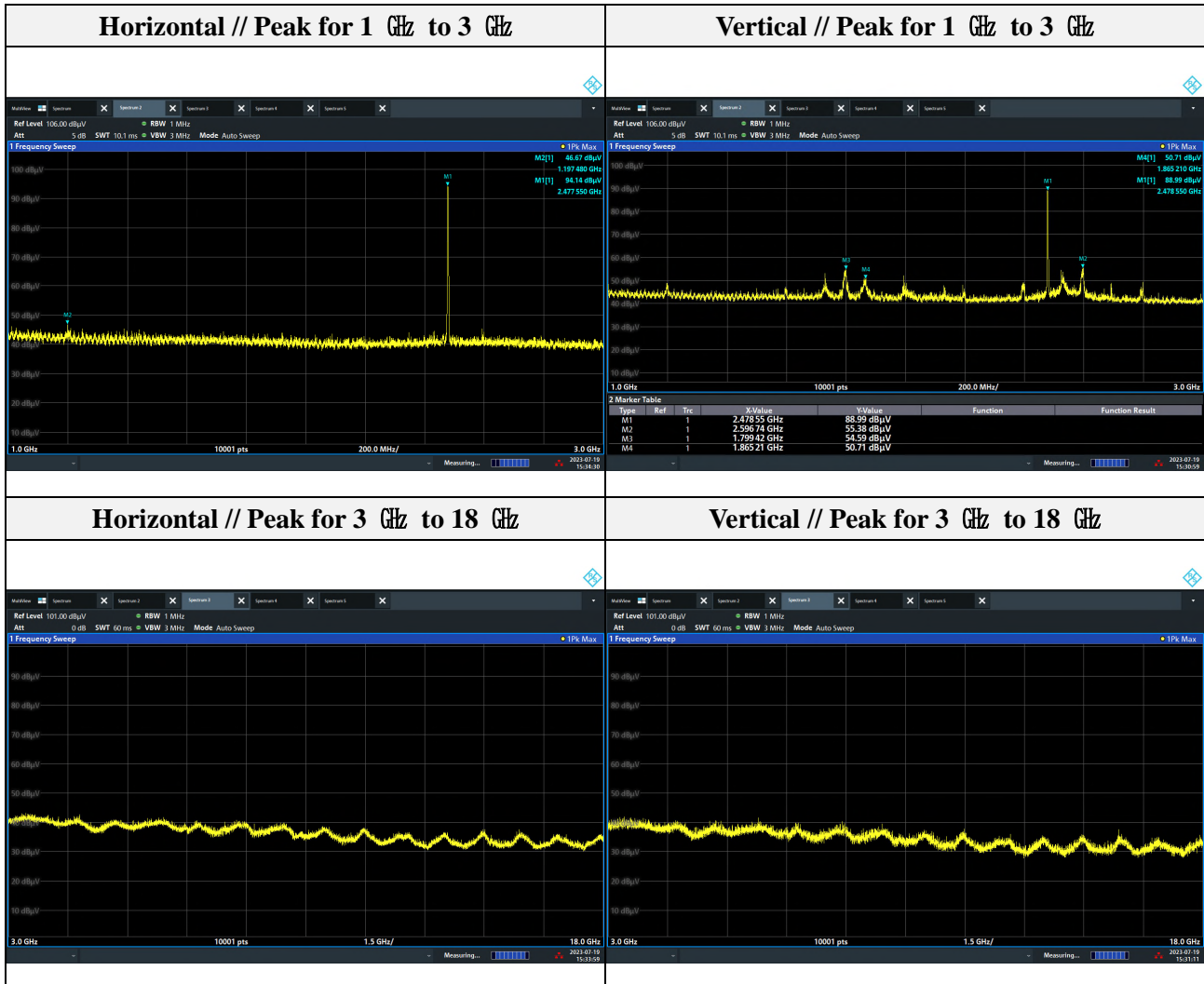
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KES-QP16-F01(00-23-01-01)



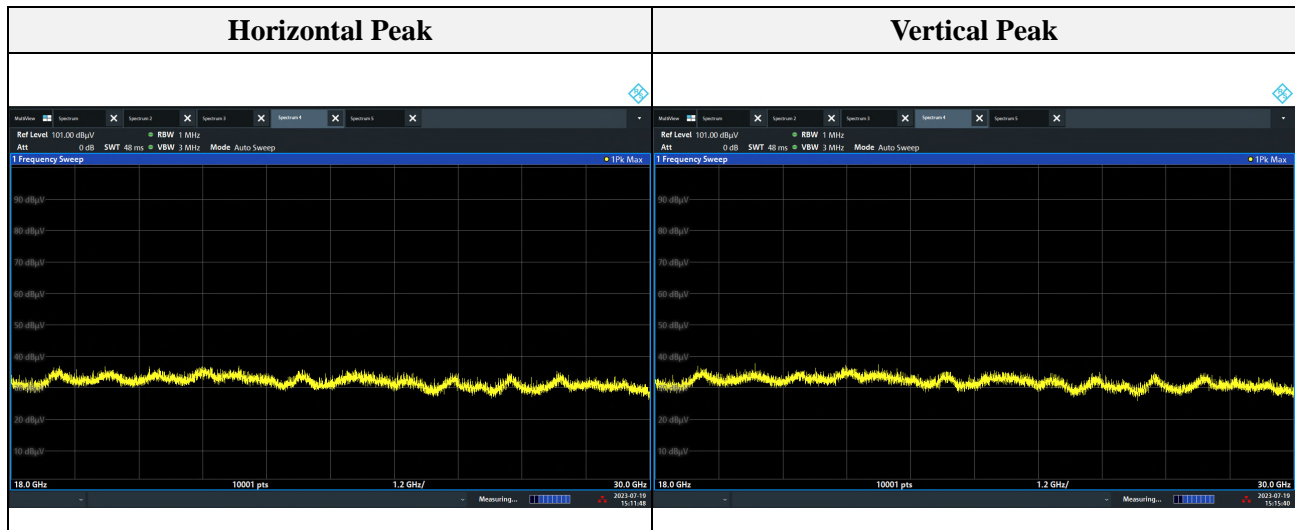
## KES Co., Ltd.

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### Test results (18 GHz to 30 GHz)

Mode: LE 2 Mbps  
(Left Unit)  
Distance of measurement: 3 meter  
Channel: 01 (Worst case)



Note.  
No spurious emission were detected above 18 GHz.

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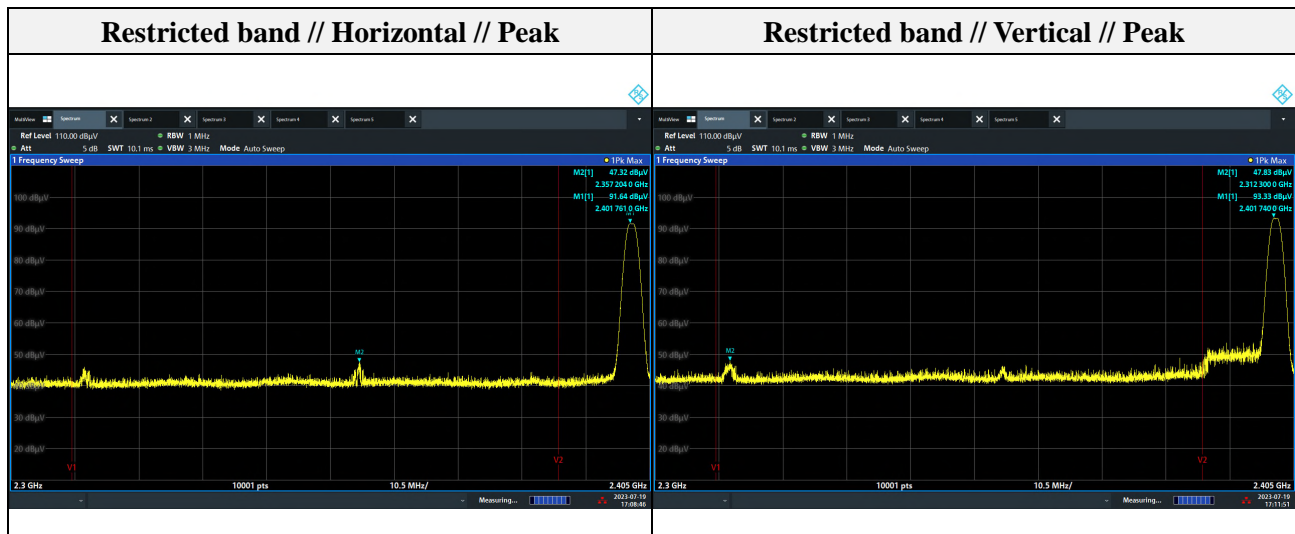
Mode: LE 1 Mbps  
(Right Unit)  
Distance of measurement: 3 meter  
Channel: 00

### - Spurious

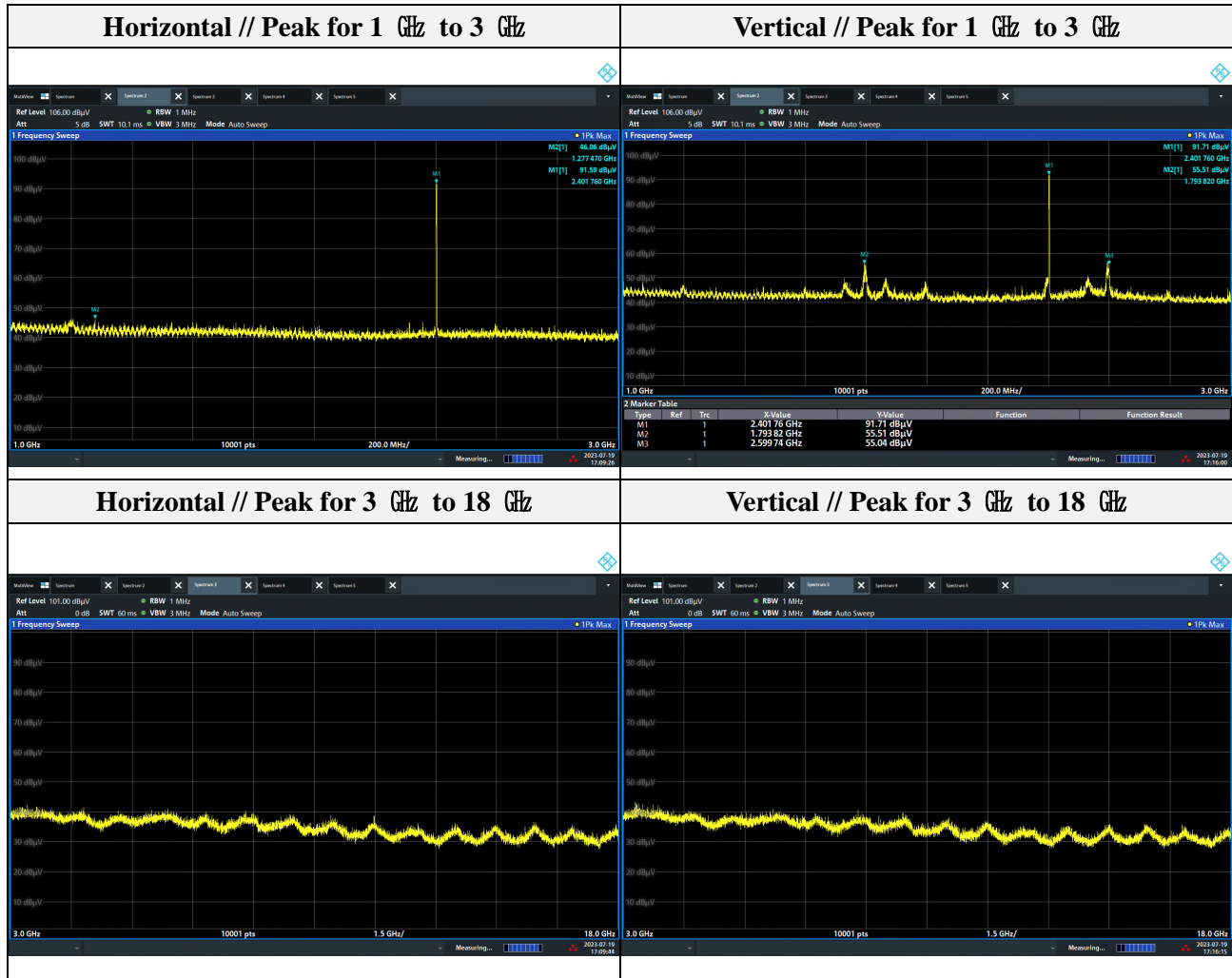
Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 277.47	46.06	Peak	H	-7.08	-	38.98	74.00	35.02
1 793.82	55.51	Peak	V	-4.62	-	50.89	74.00	23.11
2 599.74	55.04	Peak	V	-2.75	-	52.29	74.00	21.71

### - 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)
2 312.30	47.83	Peak	H	-3.74	-	44.09	74.00	29.91
2 357.20	47.32	Peak	V	-3.69	-	43.63	74.00	30.37



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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.



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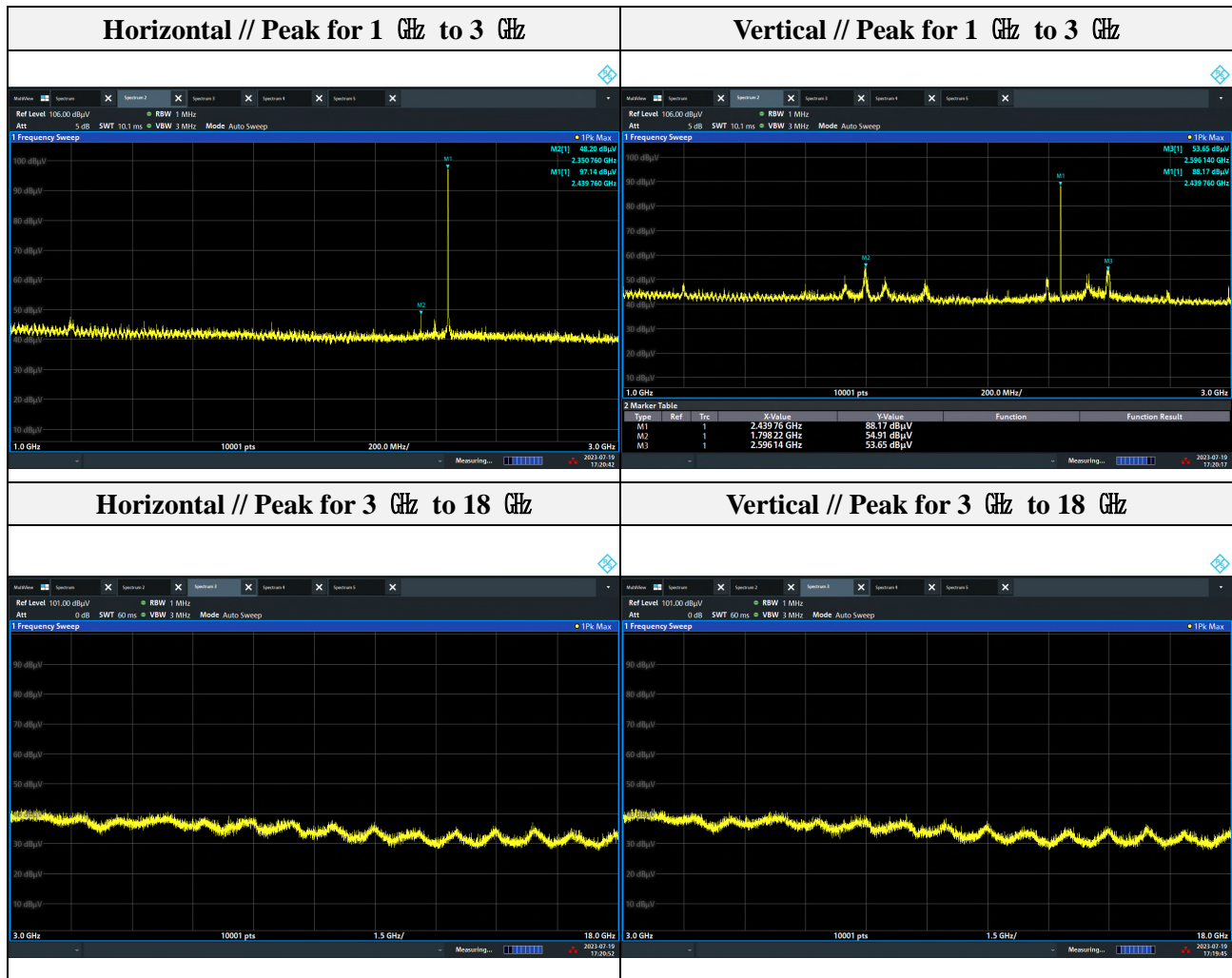
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Mode: LE 1 Mbps  
(Right Unit)  
Distance of measurement: 3 meter  
Channel: 19

**- Spurious**

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 798.22	54.91	Peak	V	-4.59	-	50.32	74.00	23.68
2 350.76	48.20	Peak	H	-3.70	-	44.50	74.00	29.50
2 596.14	53.65	Peak	V	-2.77	-	50.88	74.00	23.12

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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.



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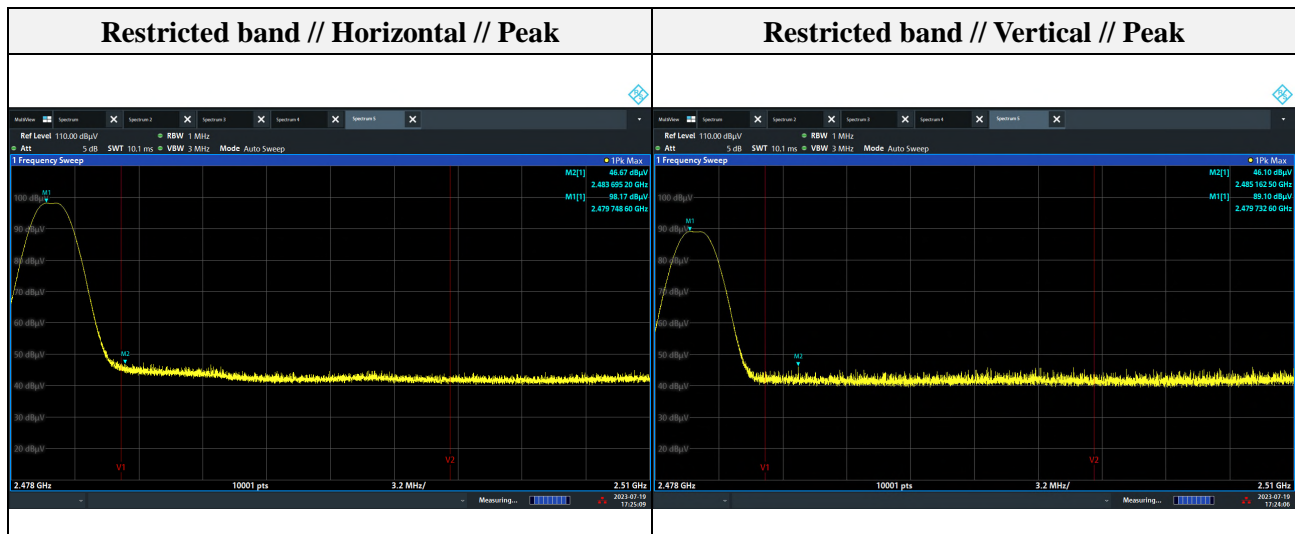
Mode: LE 1 Mbps  
(Right Unit)  
Distance of measurement: 3 meter  
Channel: 39

### - Spurious

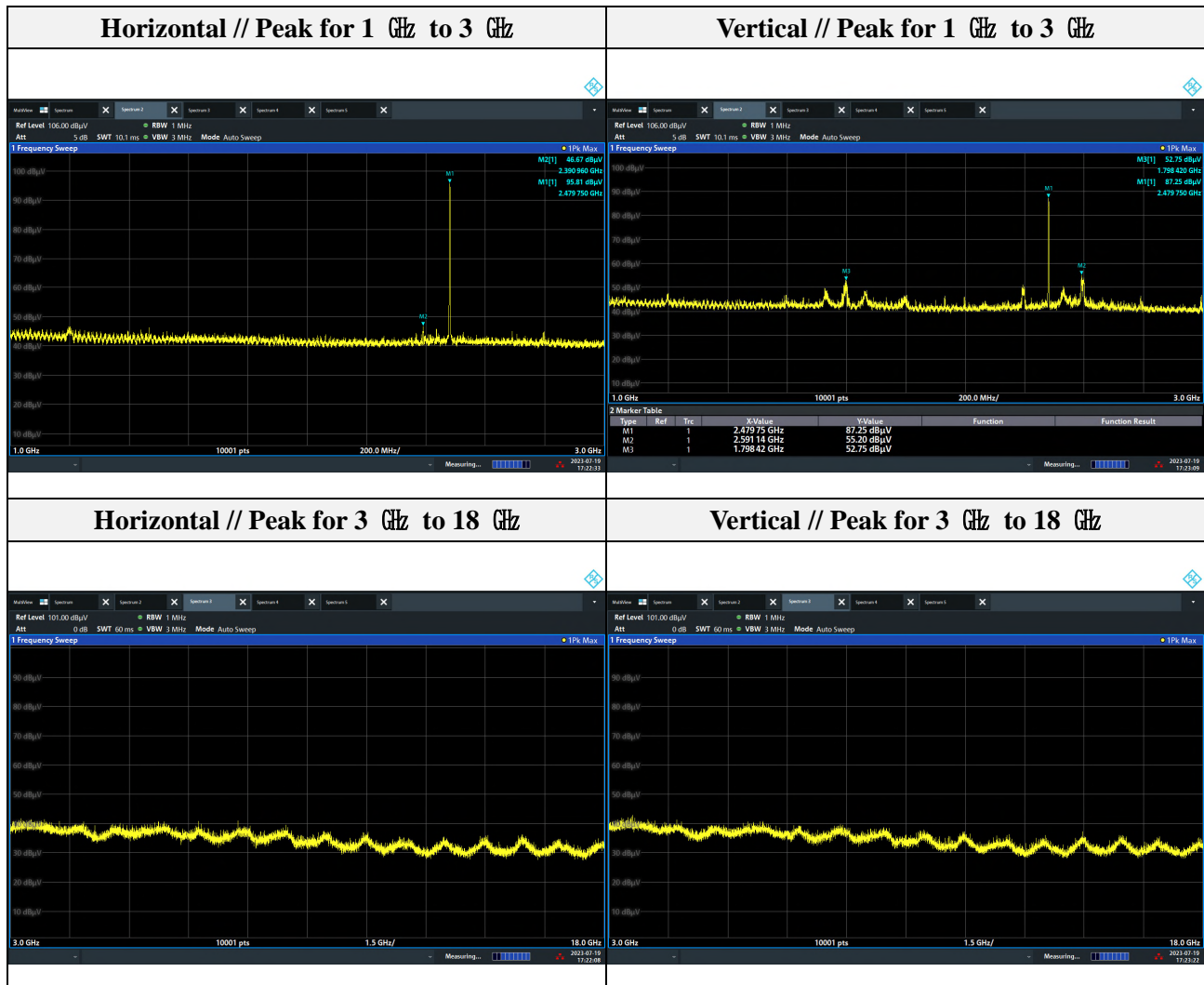
Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 798.42	52.75	Peak	V	-4.59	-	48.16	74.00	25.84
2 390.96	46.67	Peak	H	-3.66	-	43.01	74.00	30.99
2 591.14	55.20	Peak	V	-2.80	-	52.40	74.00	21.60

### - 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)
2 483.70	46.67	Peak	H	-3.39	-	43.28	74.00	30.72
2 485.16	46.10	Peak	V	-3.38	-	42.72	74.00	31.28



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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.



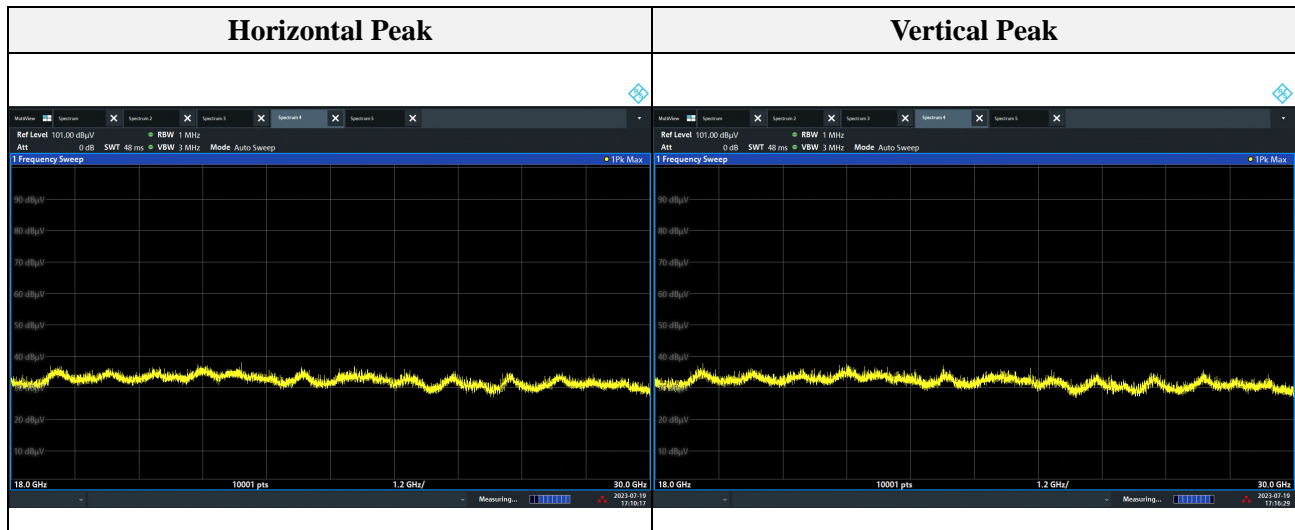
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### Test results (18 GHz to 30 GHz)

Mode: LE 1 Mbps  
(Right Unit)  
Distance of measurement: 3 meter  
Channel: 00 (Worst case)



Note.  
No spurious emission were detected above 18 GHz.

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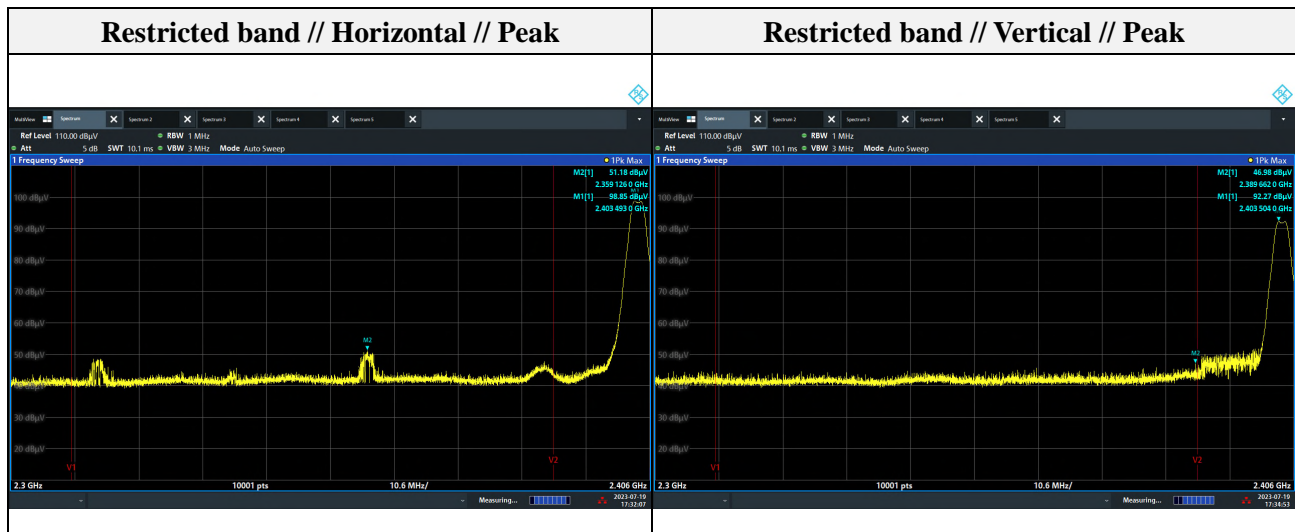
Mode: LE 2 Mbps  
(Right Unit)  
Distance of measurement: 3 meter  
Channel: 01

### - Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 796.42	52.36	Peak	V	-4.60	-	47.76	74.00	26.24
2 359.76	49.45	Peak	H	-3.69	-	45.76	74.00	28.24
2 590.34	54.60	Peak	V	-2.80	-	51.80	74.00	22.20

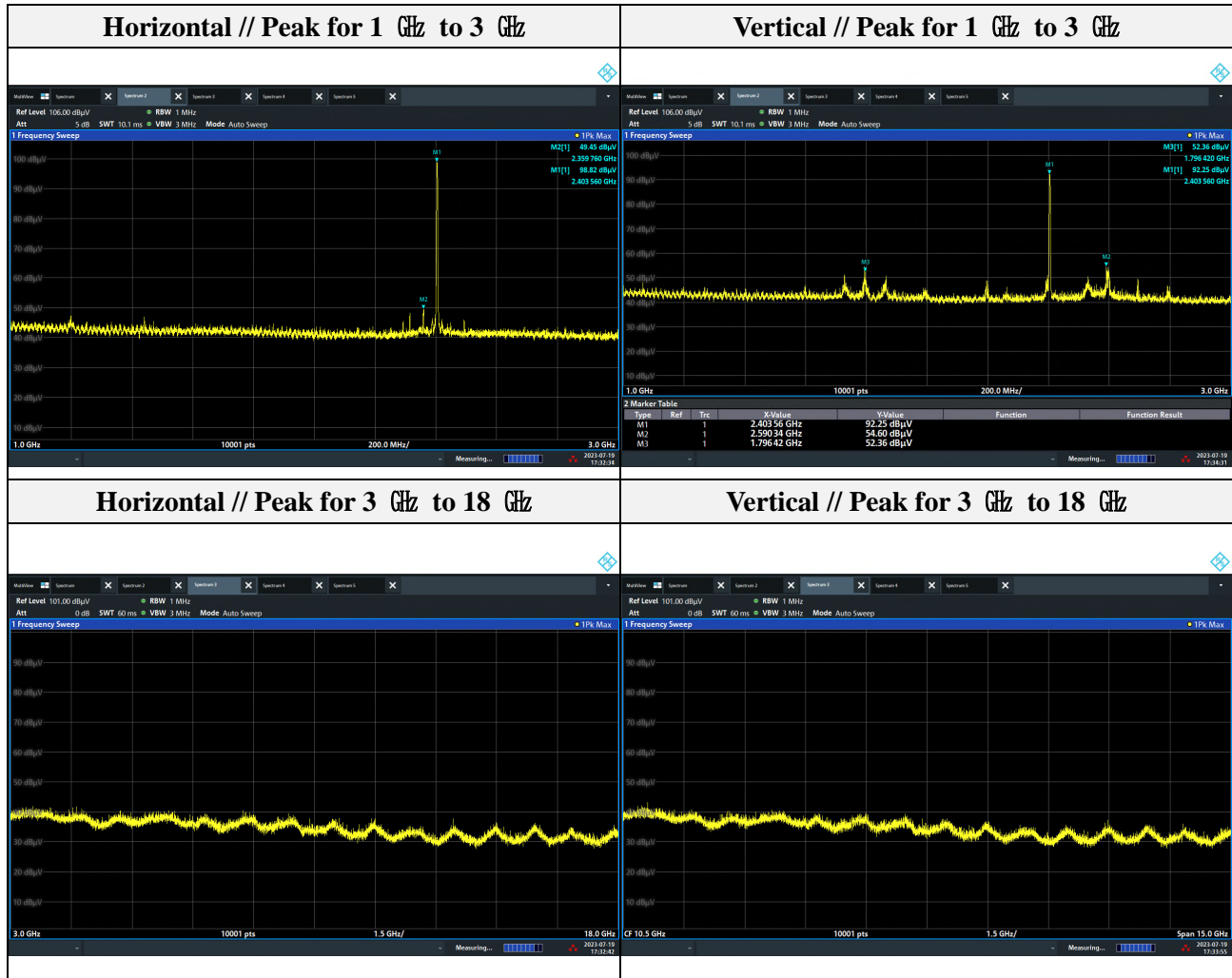
### - Band edge

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2 359.13	51.18	Peak	H	-3.69	-	47.49	74.00	26.51
2 389.66	46.98	Peak	V	-3.66	-	43.32	74.00	30.68



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Note.

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