Mode: 802.11b_DC 12 V

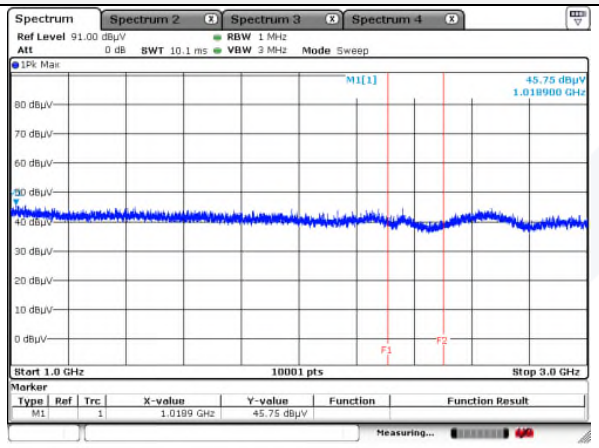
Distance of measurement: 3 meter

Channel: 06

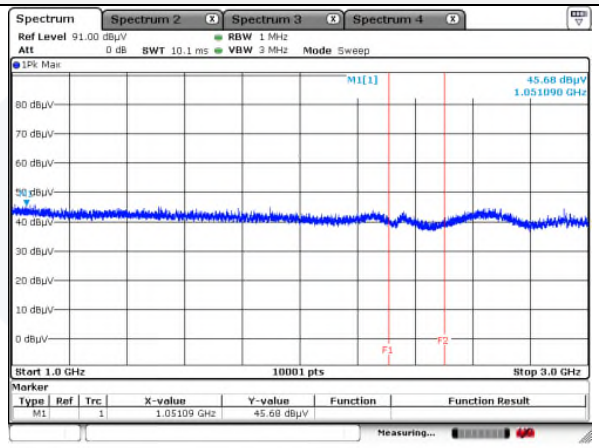
- **Spurious**

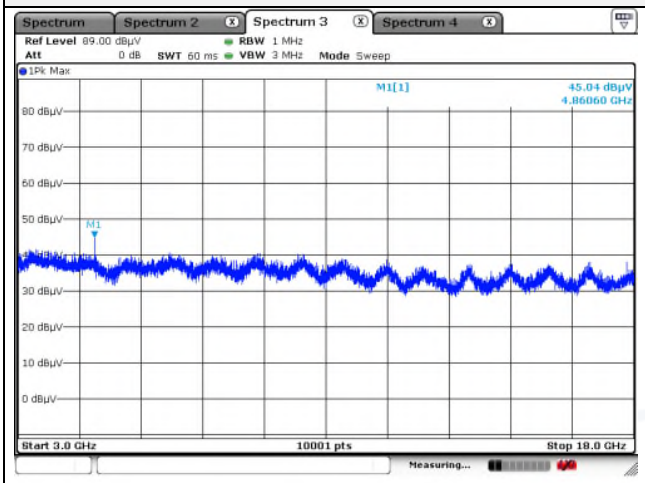
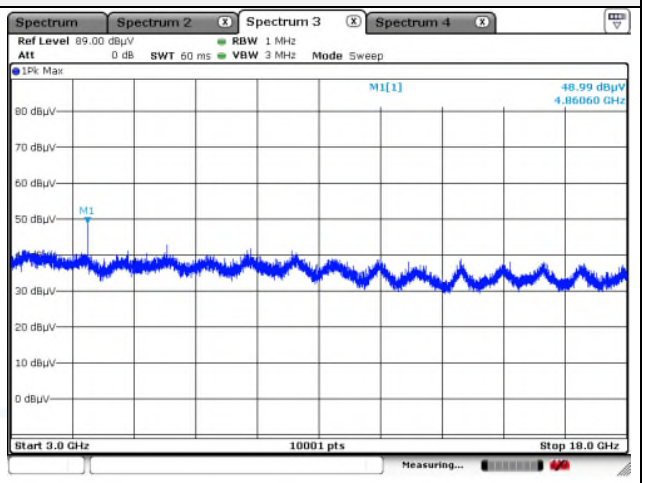
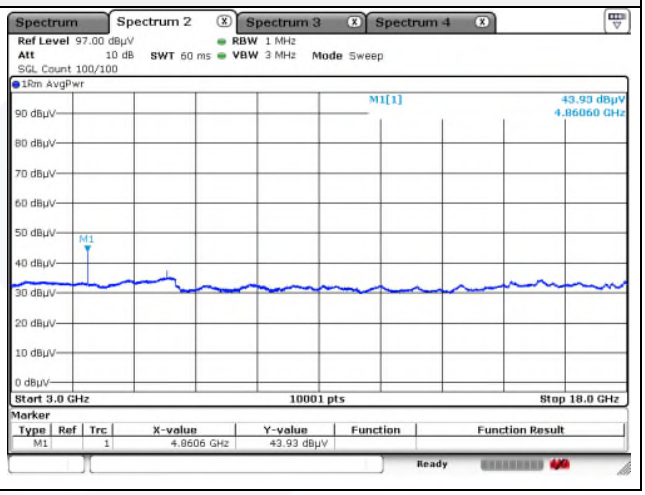
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 018.90	45.75	Peak	H	-9.28	-	36.47	74.00	37.53
1 051.09	45.68	Peak	V	-9.08	-	36.60	74.00	37.40
4 860.60	45.04	Peak	H	6.73	-	51.77	74.00	22.23
4 860.60	48.99	Peak	V	6.73	-	55.72	74.00	18.28
4 860.60	43.93	Average	V	6.73	0.04	50.70	54.00	3.30

Horizontal // Peak for 1 ㎓ to 3 ㎓



Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓	Vertical // Peak for 3 ㎓ to 18 ㎓
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

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

Mode: 802.11b_DC 12 V

Distance of measurement: 3 meter

Channel: 11

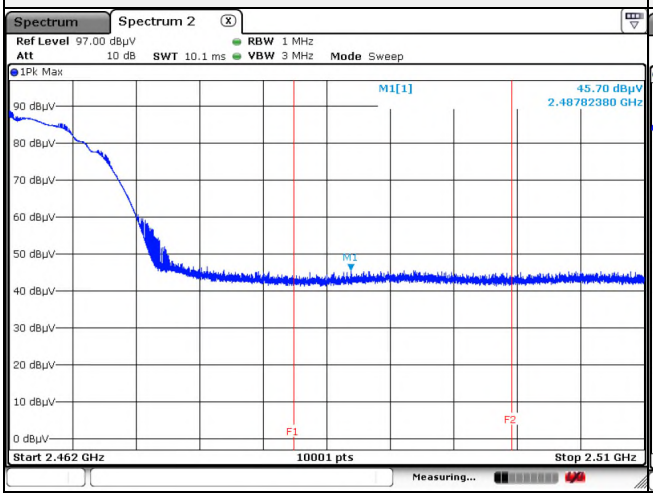
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 020.10	46.25	Peak	H	-9.28	-	36.97	74.00	37.03
1 032.90	45.09	Peak	V	-9.19	-	35.90	74.00	38.10
4 860.60	45.52	Peak	H	6.73	-	52.25	74.00	21.75
4 860.60	48.88	Peak	V	6.73	-	55.61	74.00	18.39
4 860.60	43.12	Average	V	6.73	0.04	49.89	54.00	4.11

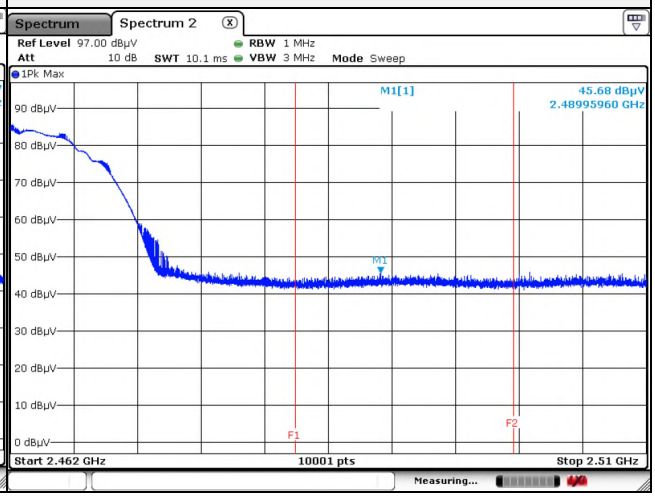
- **Band edge**

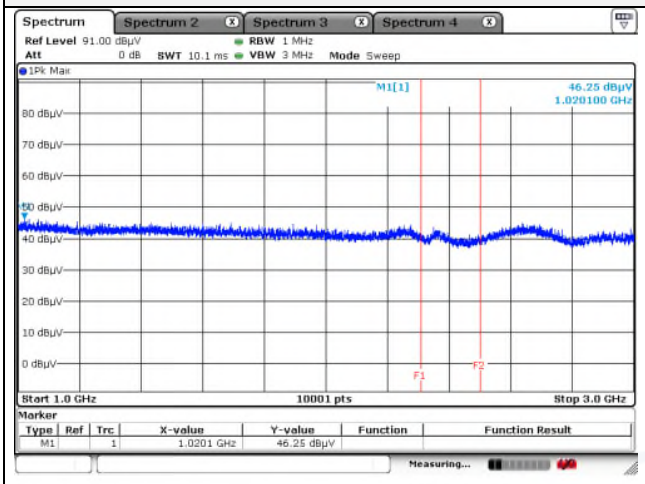
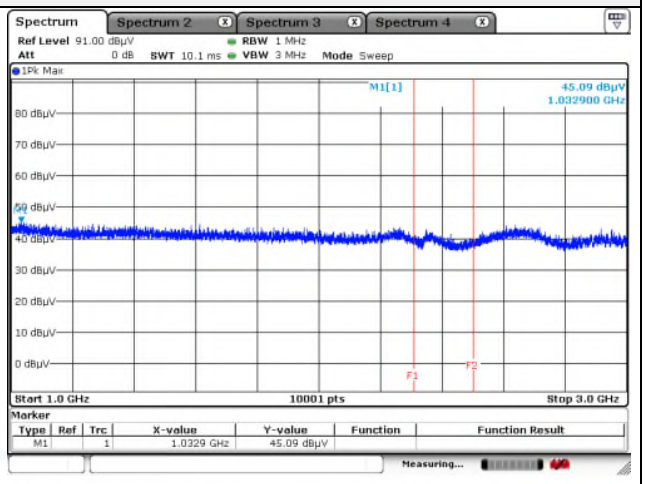
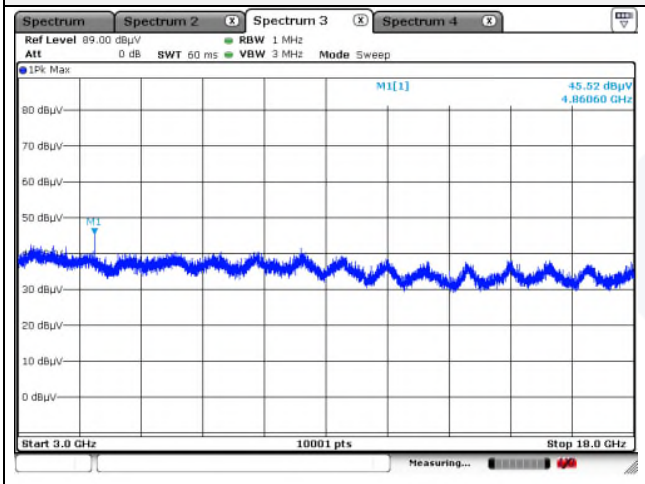
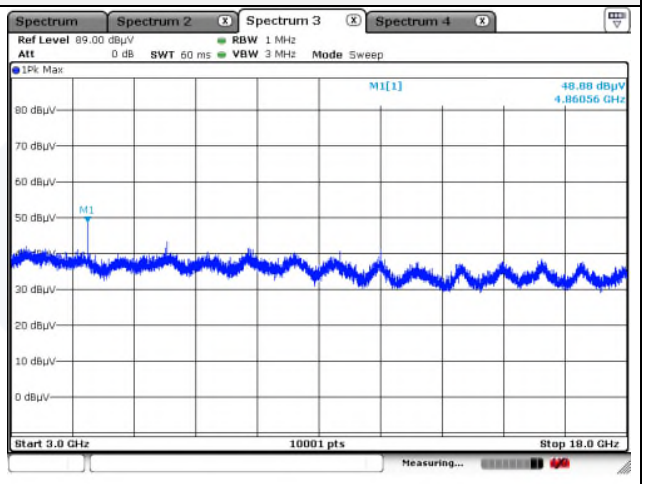
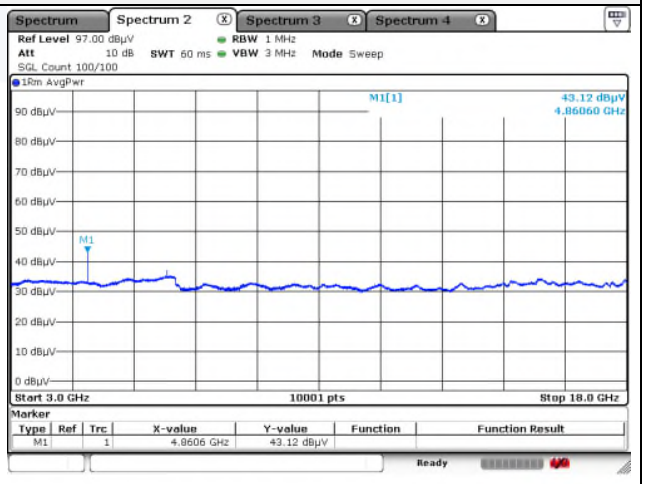
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 487.82	45.70	Peak	H	-0.27	-	45.43	74.00	28.57
2 489.96	45.68	Peak	V	-0.27	-	45.41	74.00	28.59

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode:	802.11b_DC 24 V
Distance of measurement:	3 meter
Channel:	01

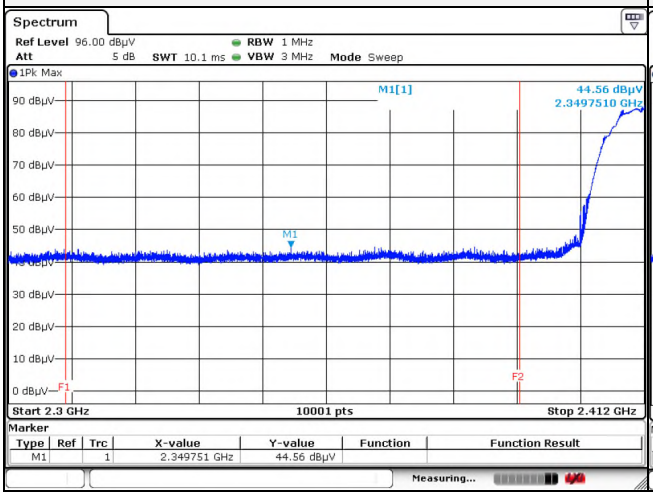
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 050.09	45.65	Peak	H	-9.09	-	36.56	74.00	37.44
1 051.89	46.55	Peak	V	-9.07	-	37.48	74.00	36.52
4 860.60	46.30	Peak	H	6.73	-	53.03	74.00	20.97
4 860.60	49.99	Peak	V	6.73	-	56.72	74.00	17.28
4 860.60	42.73	Average	V	6.73	0.04	49.50	54.00	4.50

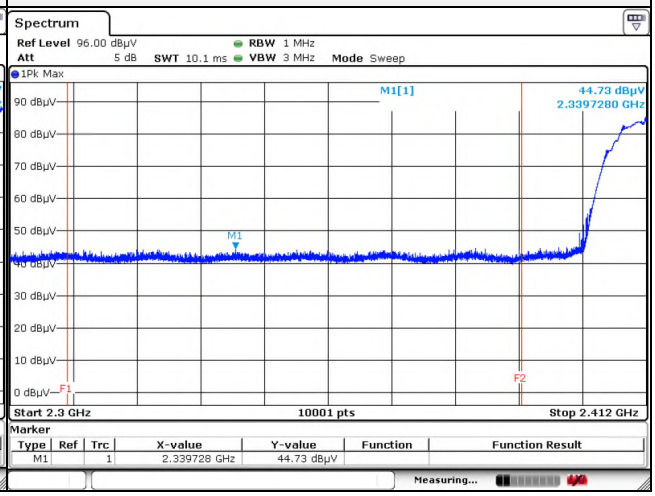
- **Band edge**

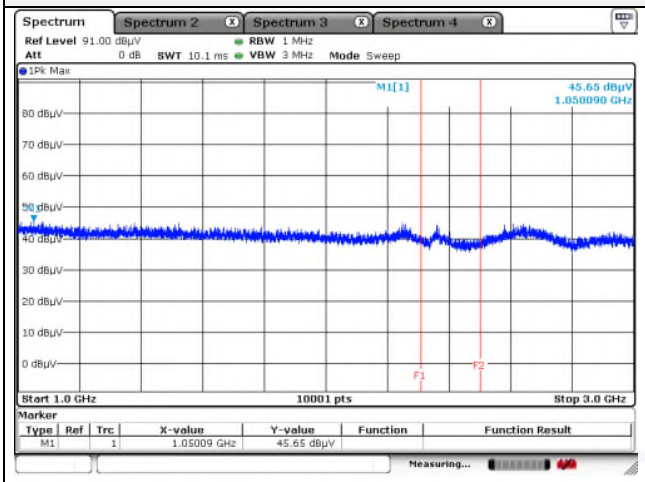
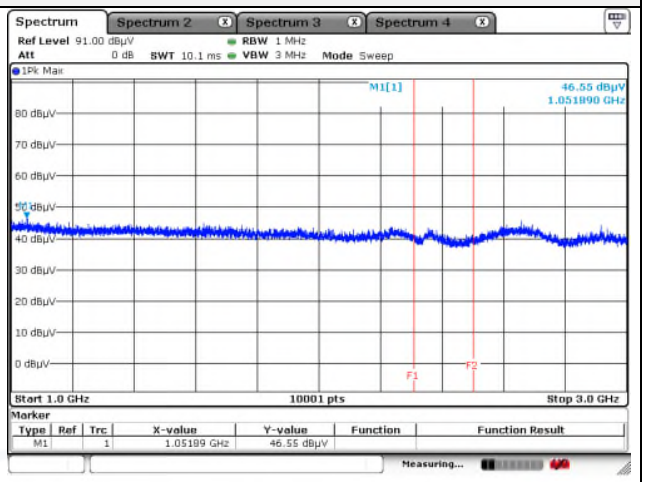
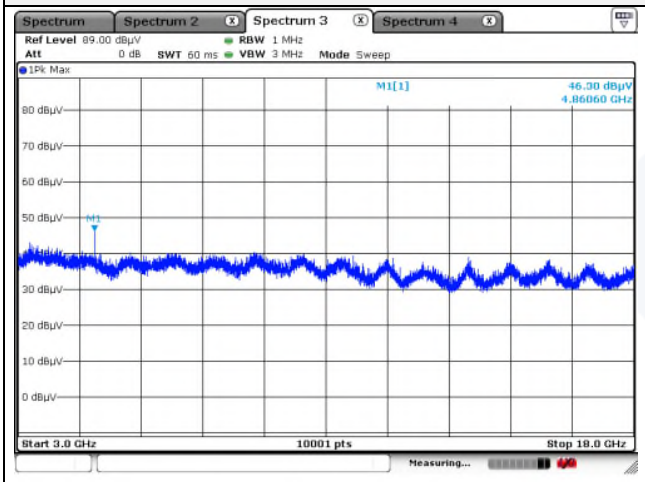
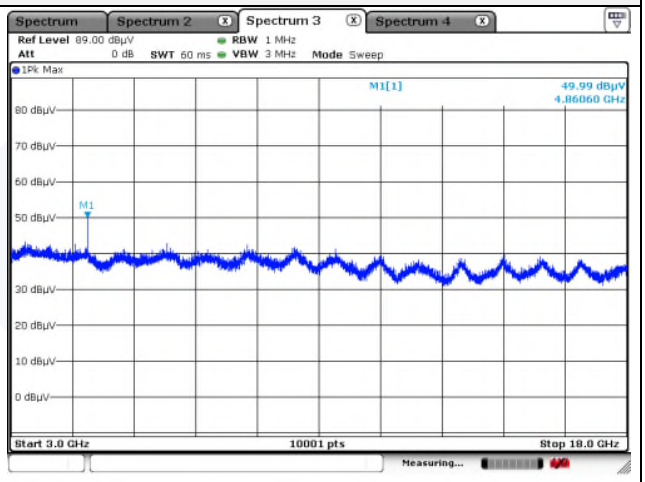
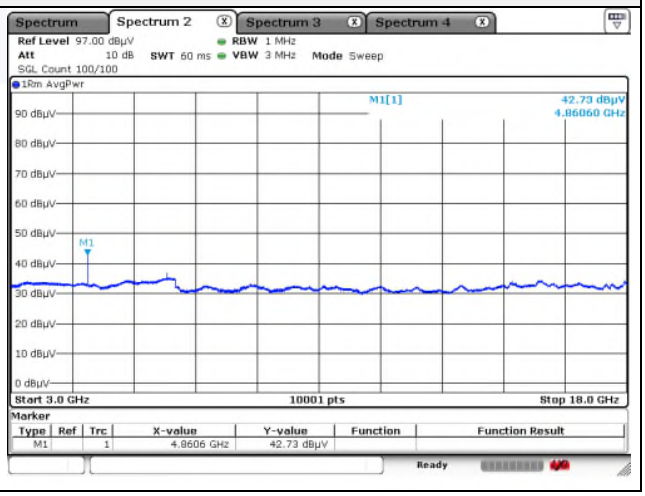
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 339.73	44.73	Peak	V	-0.51	-	44.22	74.00	29.78
2 349.75	44.56	Peak	H	-0.48	-	44.08	74.00	29.92

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

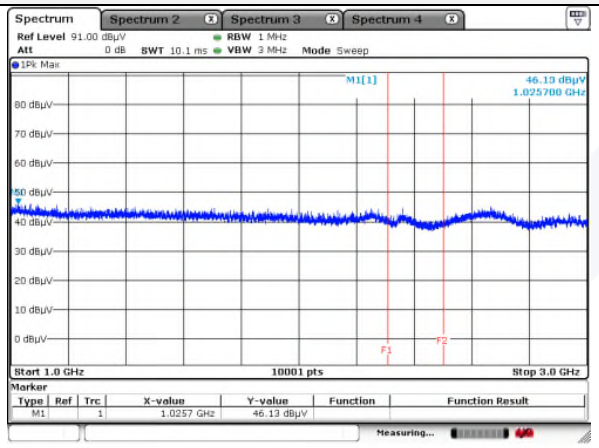
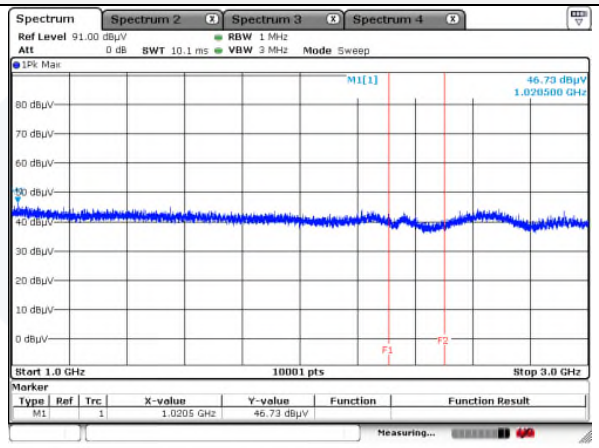
Mode: 802.11b_DC 24 V

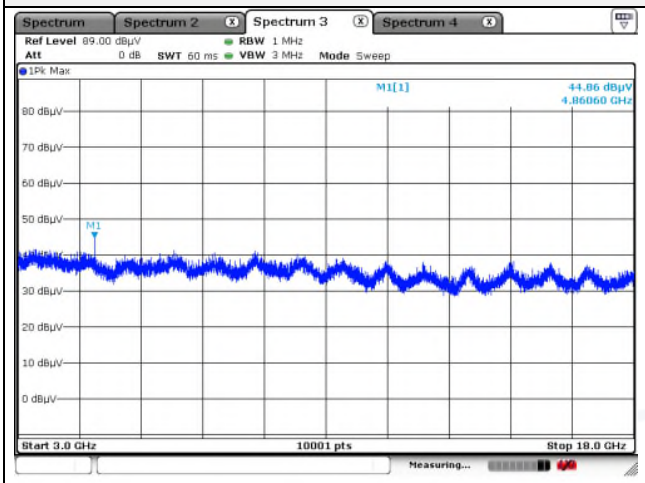
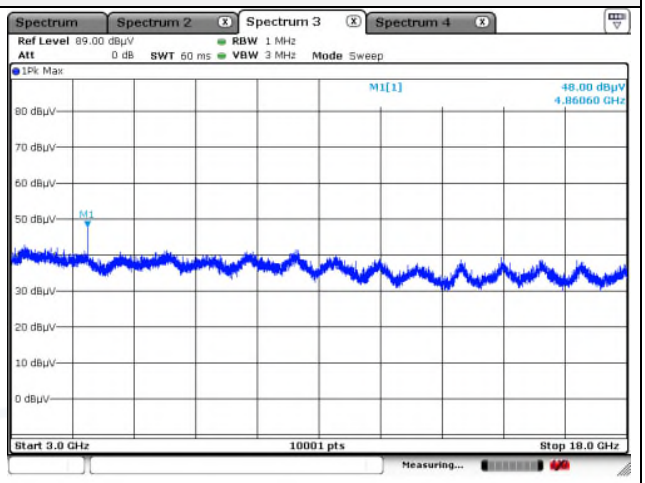
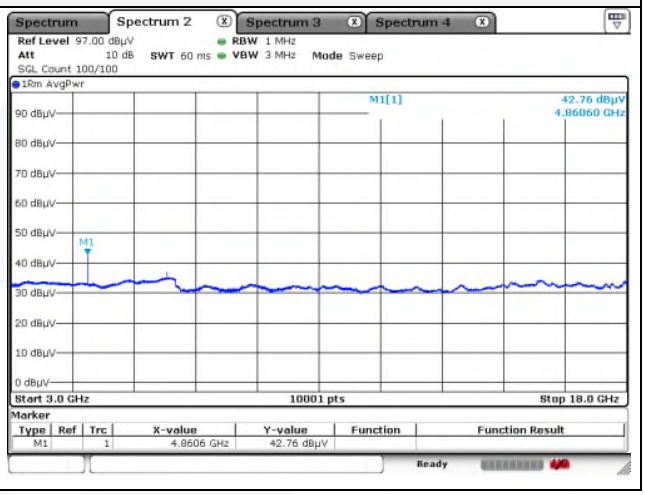
Distance of measurement: 3 meter

Channel: 06

- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 020.50	46.73	Peak	V	-9.27	-	37.46	74.00	36.54
1 025.70	46.13	Peak	H	-9.24	-	36.89	74.00	37.11
4 860.60	44.86	Peak	H	6.73	-	51.59	74.00	22.41
4 860.60	48.00	Peak	V	6.73	-	54.73	74.00	19.27
4 860.60	42.76	Average	V	6.73	0.04	49.53	54.00	4.47

Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	

Horizontal // Peak for 3 ㎓ to 18 ㎓	Vertical // Peak for 3 ㎓ to 18 ㎓
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

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

Mode: 802.11b_DC 24 V

Distance of measurement: 3 meter

Channel: 11

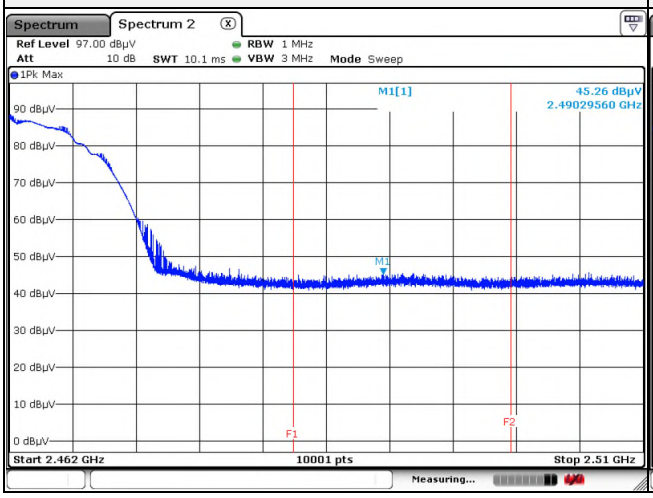
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 009.30	46.22	Peak	V	-9.34	-	36.88	74.00	37.12
1 041.90	45.72	Peak	H	-9.14	-	36.58	74.00	37.42
4 860.60	45.54	Peak	H	6.73	-	52.27	74.00	21.73
4 860.60	47.05	Peak	V	6.73	-	53.78	74.00	20.22
4 860.60	42.68	Average	V	6.73	0.04	49.45	54.00	4.55

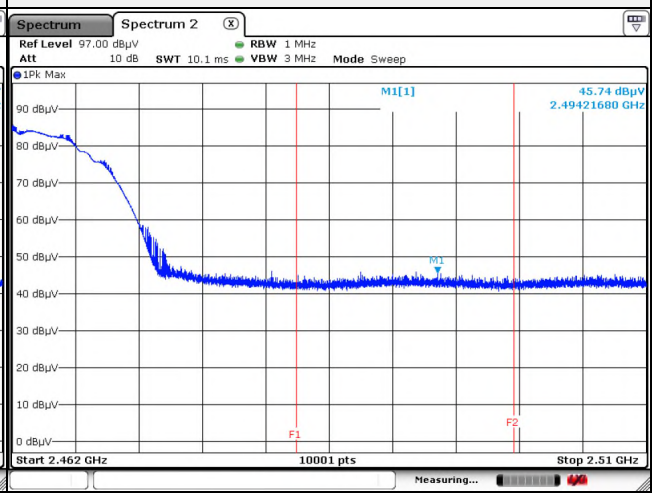
- **Band edge**

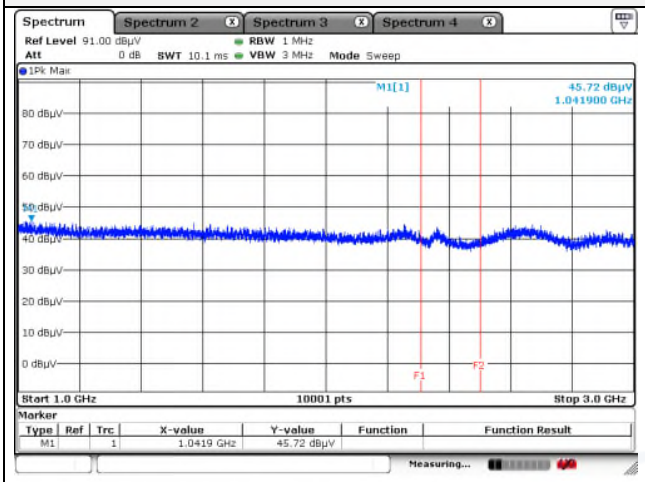
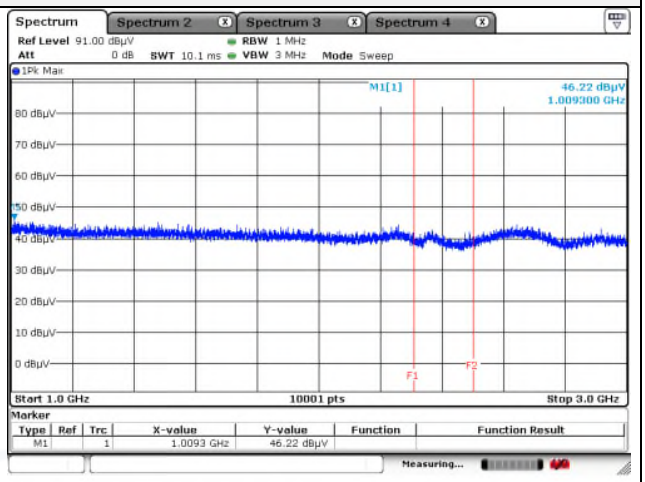
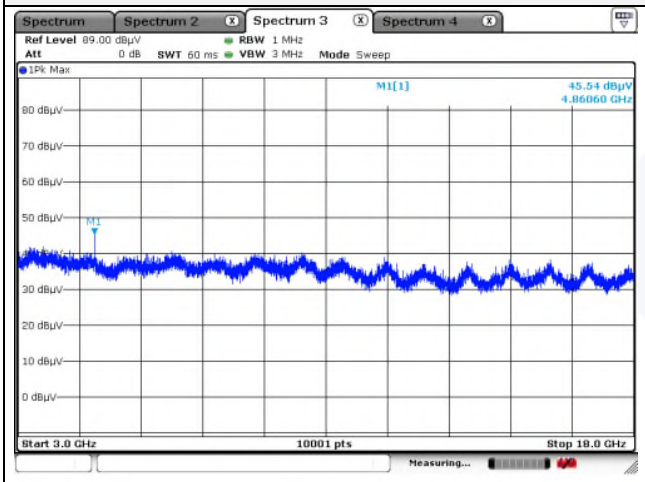
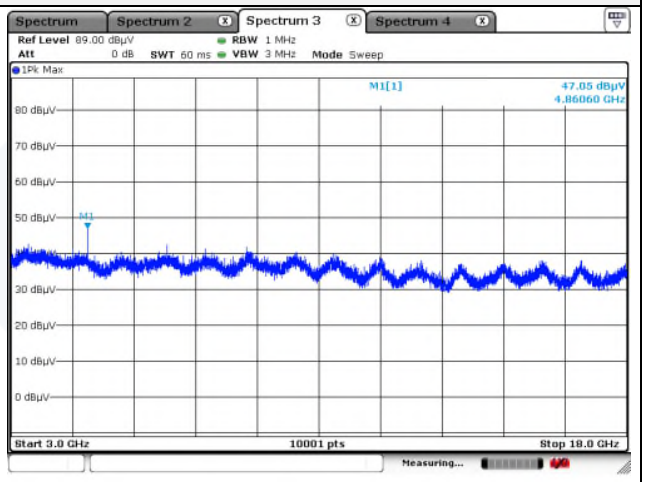
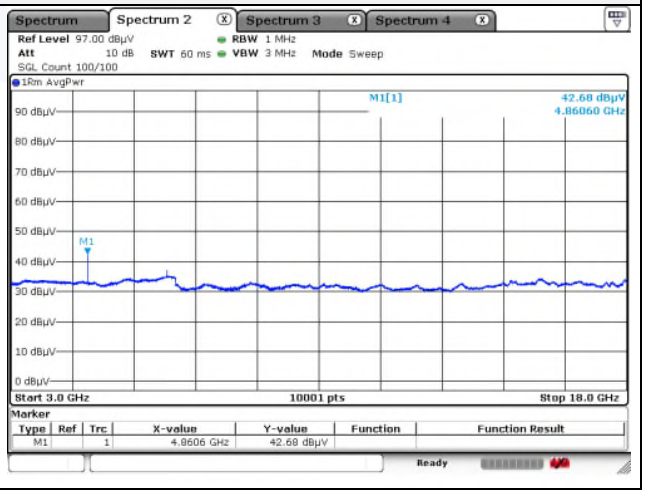
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 490.30	45.26	Peak	H	-0.27	-	44.99	74.00	29.01
2 494.22	45.74	Peak	V	-0.27	-	45.47	74.00	28.53

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode: 802.11g_DC 12 V

Distance of measurement: 3 meter

Channel: 01

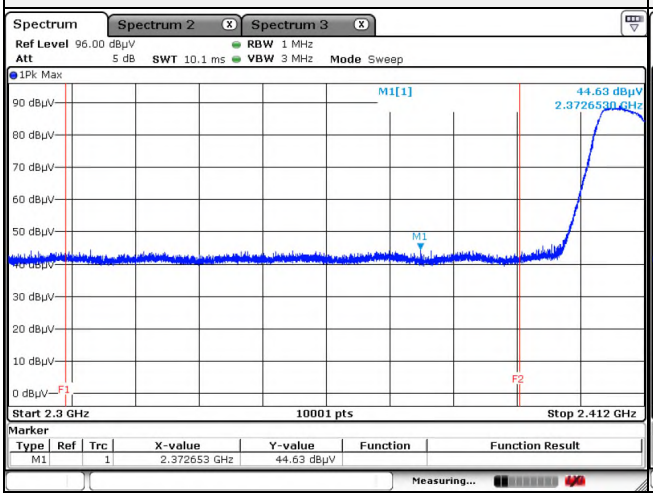
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 009.10	46.21	Peak	H	-9.34	-	36.87	74.00	37.13
1 012.70	45.76	Peak	V	-9.32	-	36.44	74.00	37.56
4 860.60	45.05	Peak	H	6.73	-	51.78	74.00	22.22
4 860.60	47.09	Peak	V	6.73	-	53.82	74.00	20.18
4 860.60	42.92	Average	V	6.73	0.18	49.83	54.00	4.17

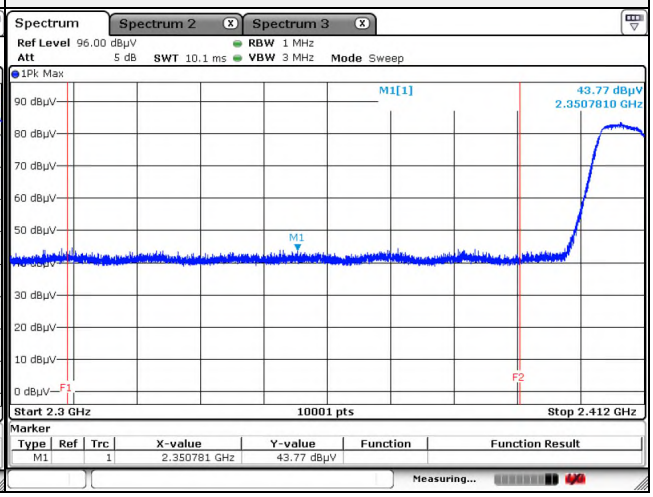
- **Band edge**

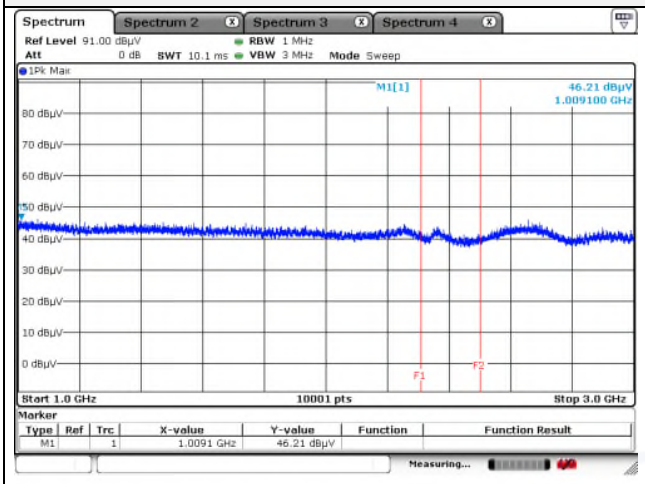
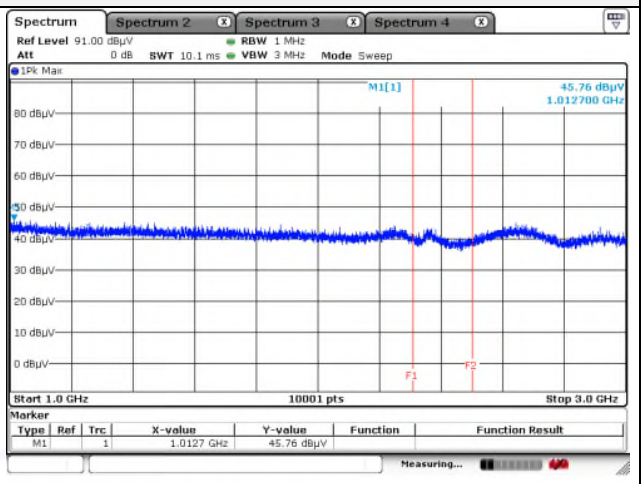
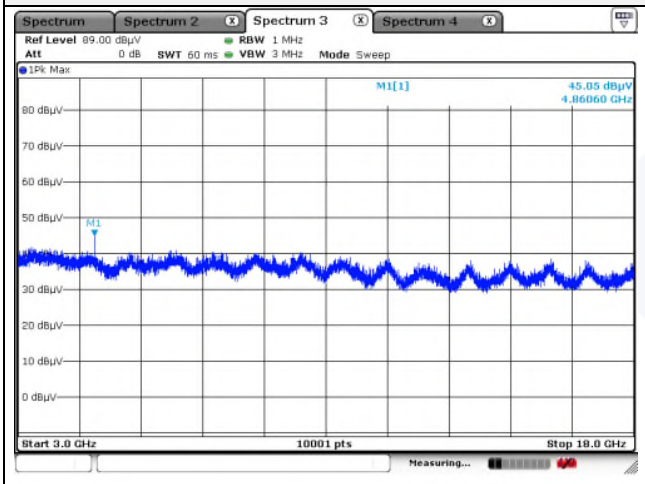
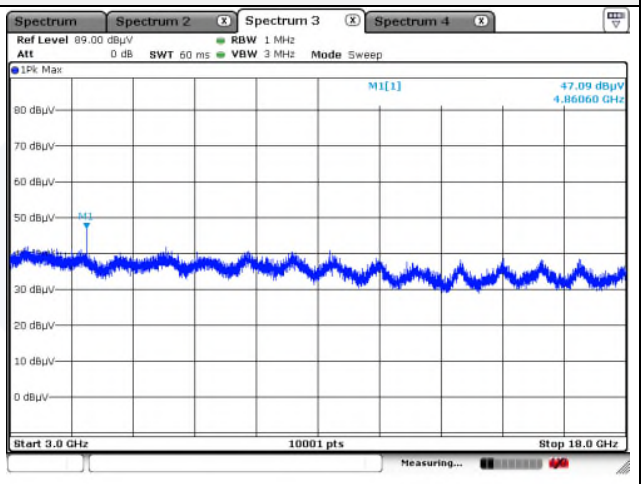
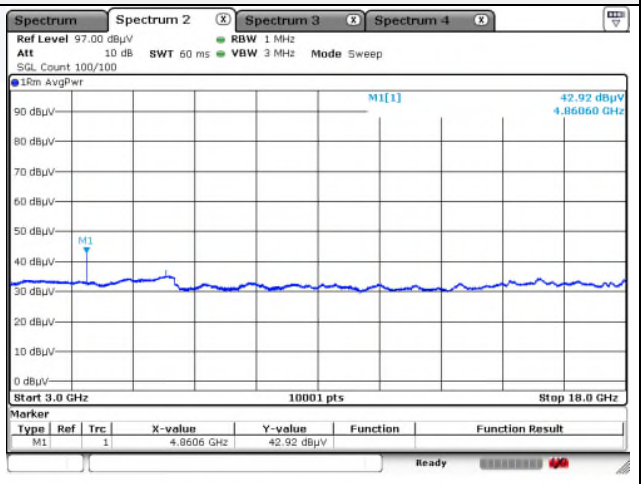
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 350.78	43.77	Peak	V	-0.47	-	43.30	74.00	30.70
2 372.65	44.63	Peak	H	-0.40	-	44.23	74.00	29.77

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

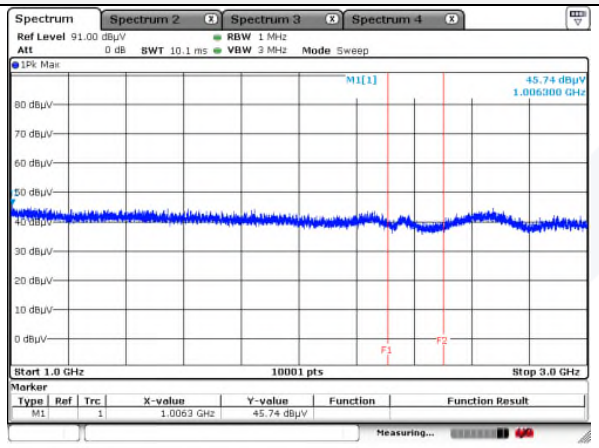
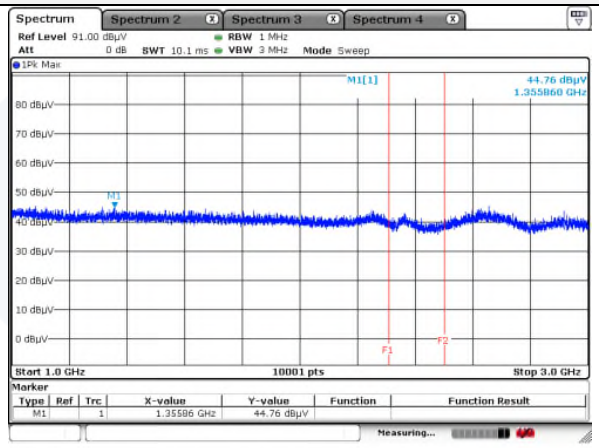
Mode: 802.11g_DC 12 V

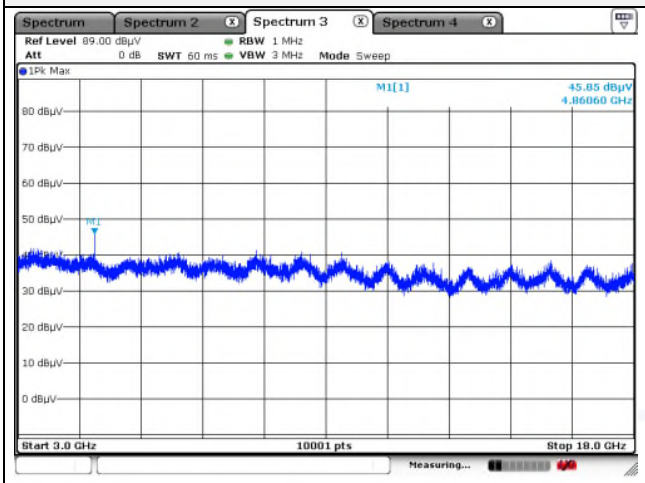
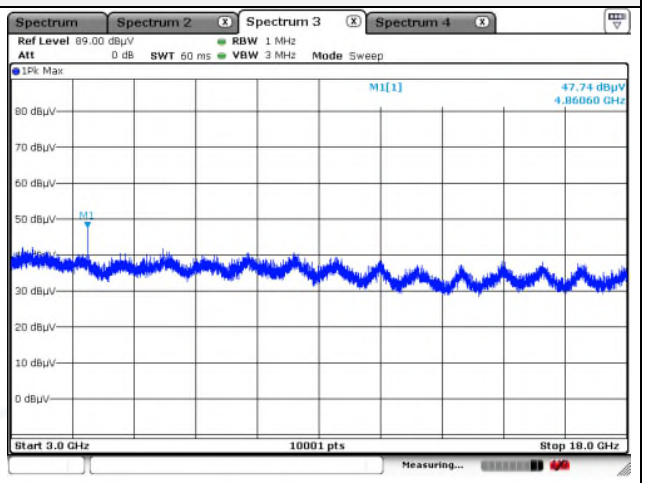
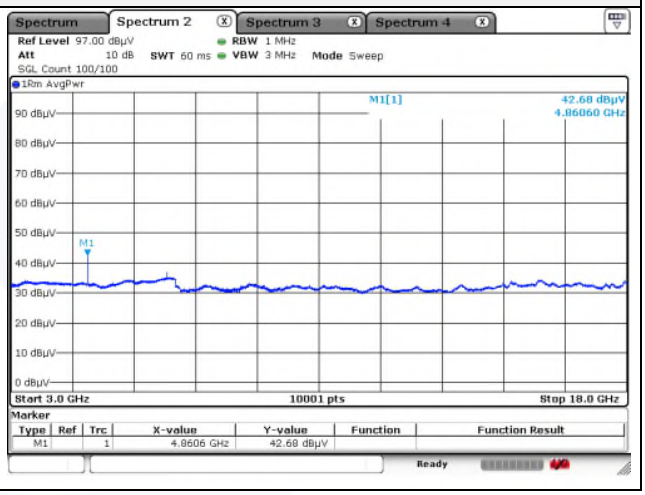
Distance of measurement: 3 meter

Channel: 06

- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 006.30	45.74	Peak	H	-9.36	-	36.38	74.00	37.62
1 355.86	44.76	Peak	V	-7.17	-	37.59	74.00	36.41
4 860.60	45.85	Peak	H	6.73	-	52.58	74.00	21.42
4 860.60	47.74	Peak	V	6.73	-	54.47	74.00	19.53
4 860.60	42.68	Average	V	6.73	0.18	49.59	54.00	4.41

Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	

Horizontal // Peak for 3 ㎓ to 18 ㎓	Vertical // Peak for 3 ㎓ to 18 ㎓
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

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

Mode: 802.11g_DC 12 V

Distance of measurement: 3 meter

Channel: 11

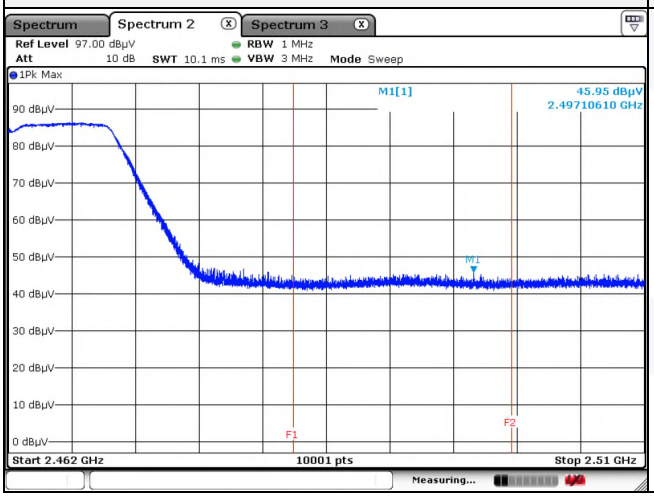
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 066.69	45.54	Peak	H	-8.98	-	36.56	74.00	37.44
1 902.21	45.13	Peak	V	-2.33	-	42.80	74.00	31.20
4 860.60	44.53	Peak	H	6.73	-	51.26	74.00	22.74
4 860.60	48.03	Peak	V	6.73	-	54.76	74.00	19.24
4 860.60	42.91	Average	V	6.73	0.18	49.59	54.00	4.41

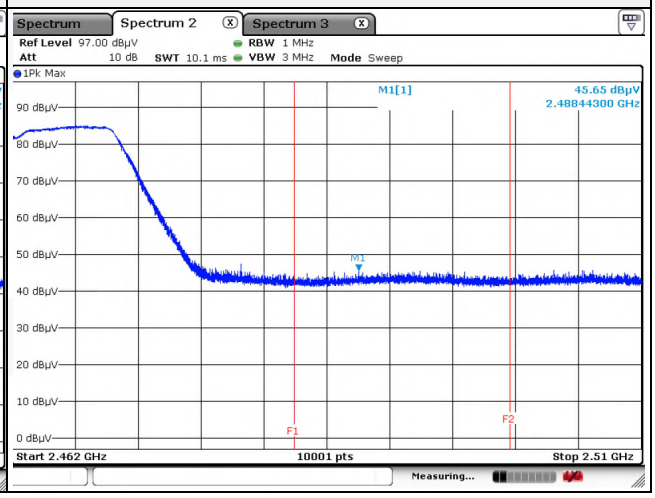
- **Band edge**

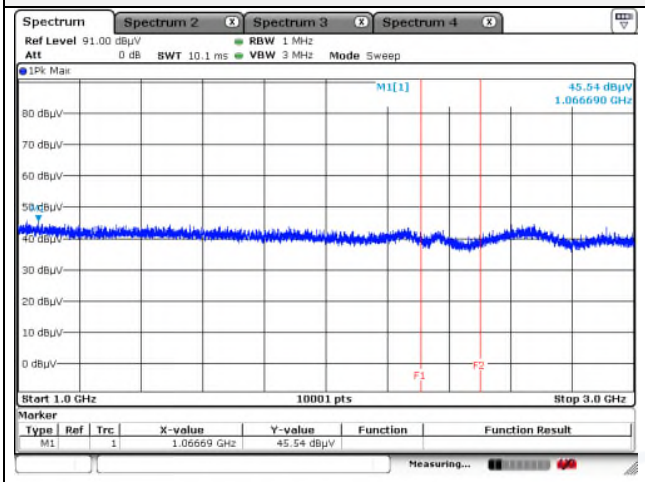
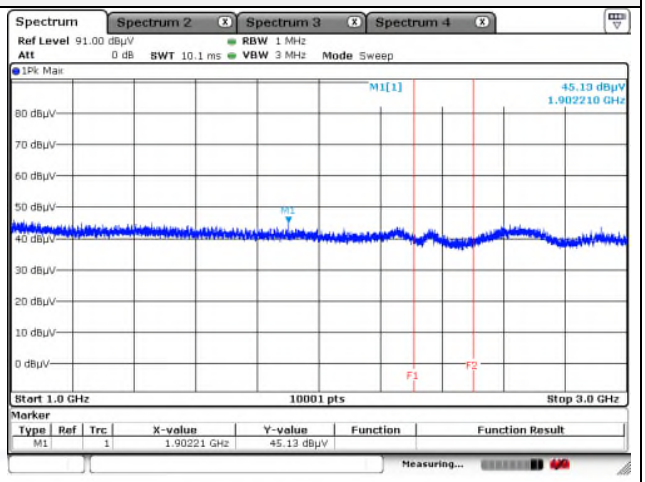
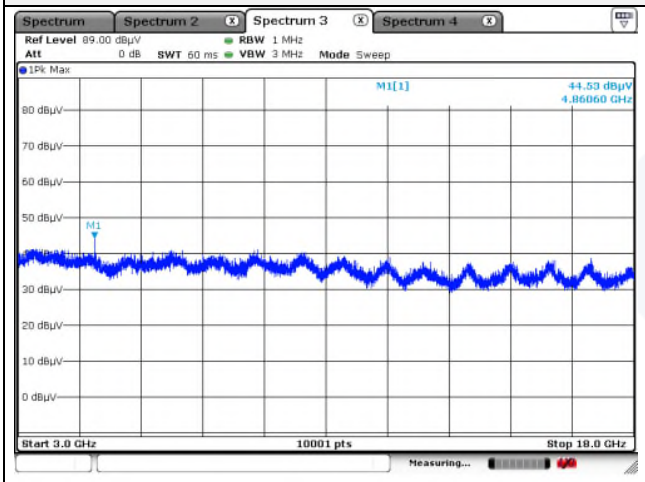
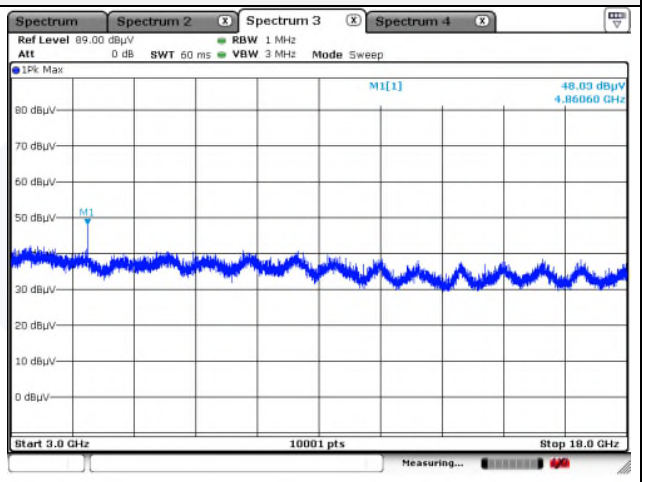
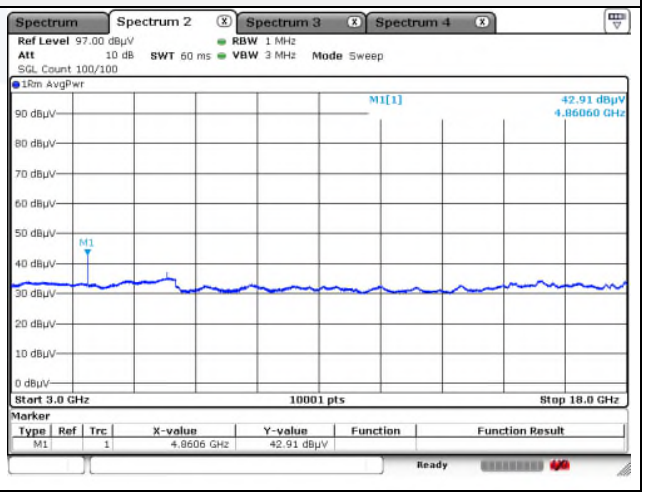
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 488.44	45.65	Peak	V	-0.27	-	45.38	74.00	28.62
2 497.11	45.95	Peak	H	-0.27	-	45.68	74.00	28.32

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode:	802.11g_DC 24 V
Distance of measurement:	3 meter
Channel:	01

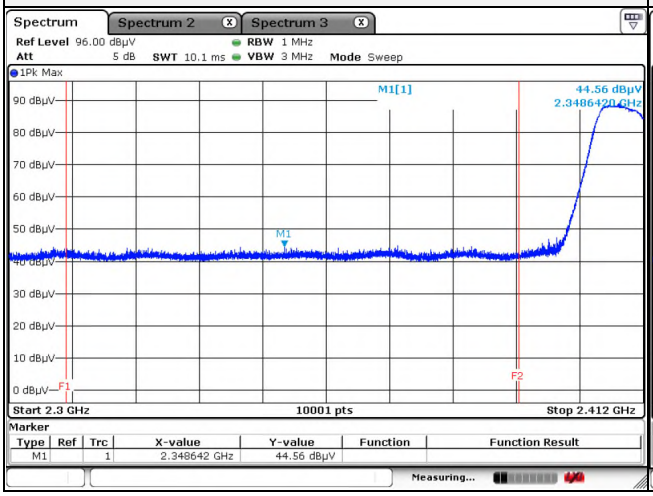
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 018.90	46.21	Peak	V	-9.28	-	36.93	74.00	37.07
1 021.10	45.28	Peak	H	-9.27	-	36.01	74.00	37.99
4 860.60	45.34	Peak	H	6.73	-	52.07	74.00	21.93
4 860.60	47.19	Peak	V	6.73	-	53.92	74.00	20.08
4 860.60	42.79	Average	V	6.73	0.18	49.70	54.00	4.30

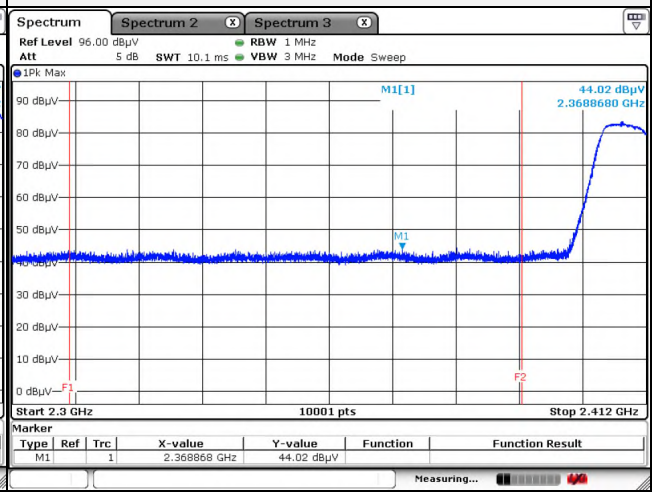
- **Band edge**

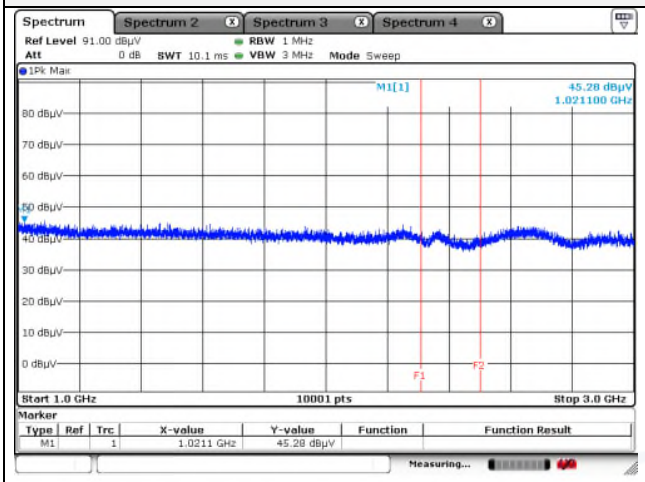
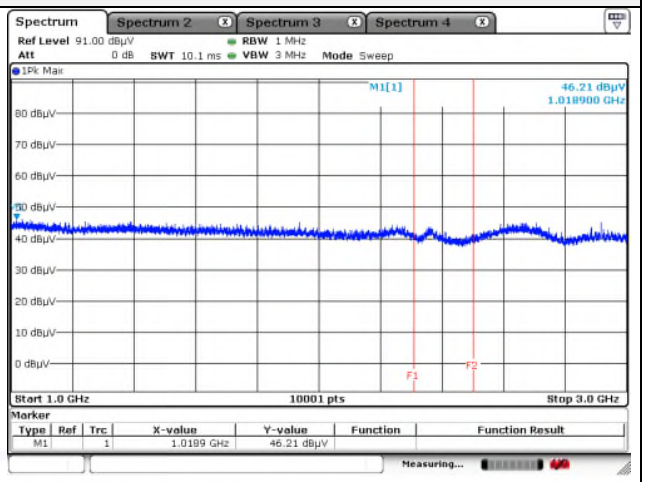
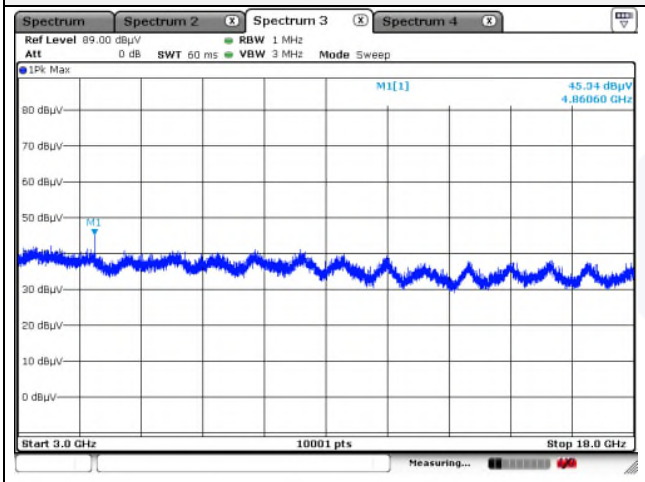
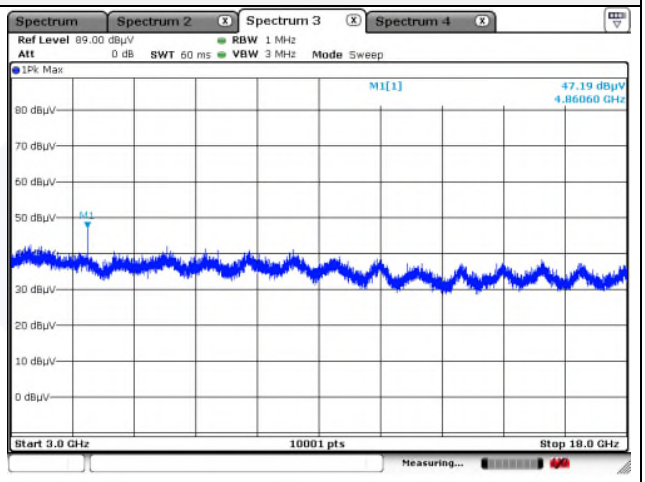
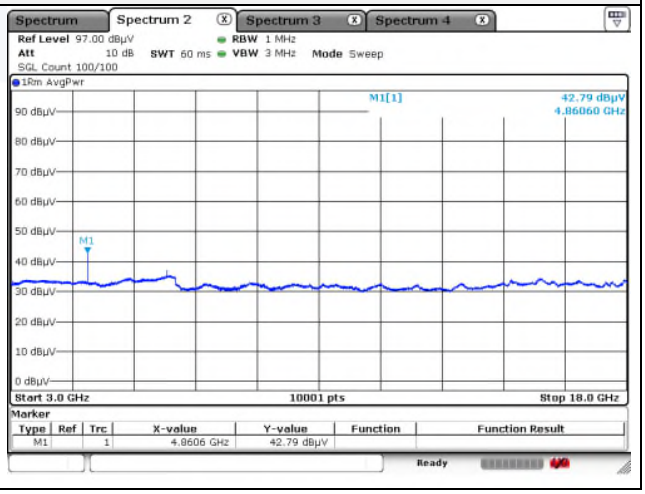
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 348.64	44.56	Peak	H	-0.48	-	44.08	74.00	29.92
2 368.87	44.02	Peak	V	-0.41	-	43.61	74.00	30.39

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode: 802.11g_DC 24 V

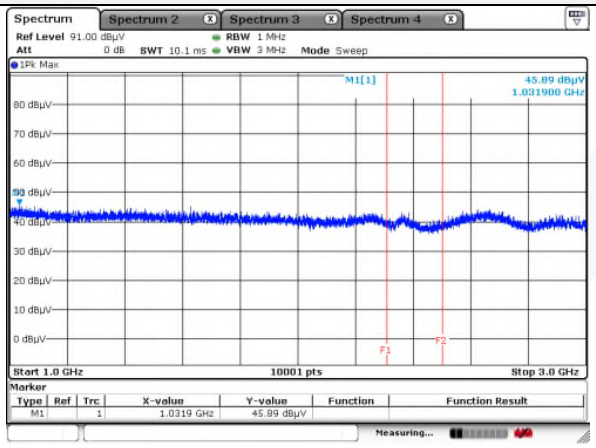
Distance of measurement: 3 meter

Channel: 06

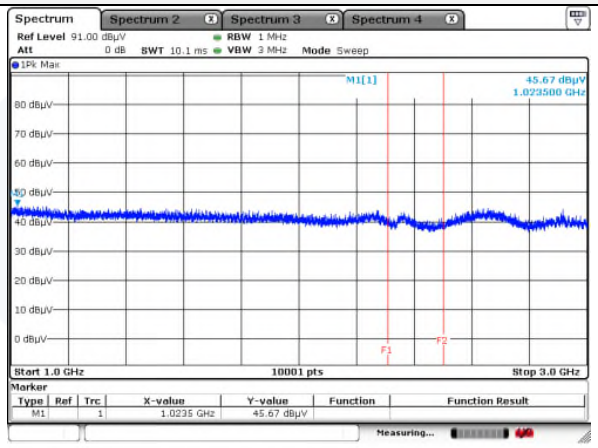
- **Spurious**

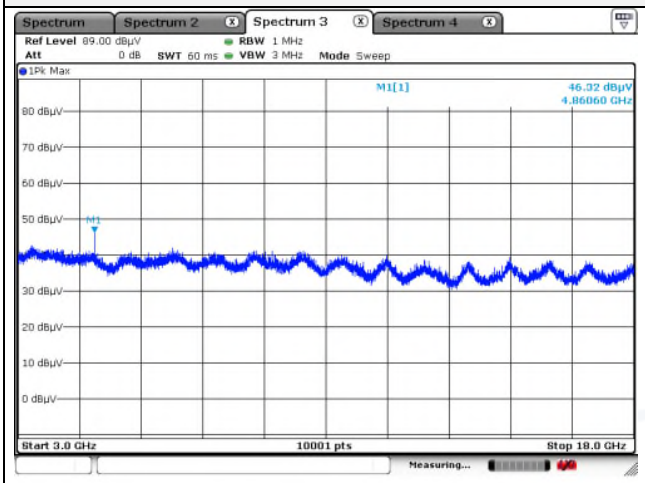
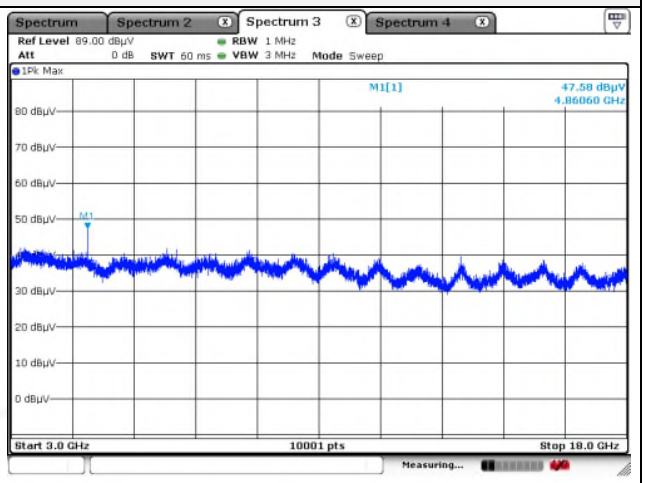
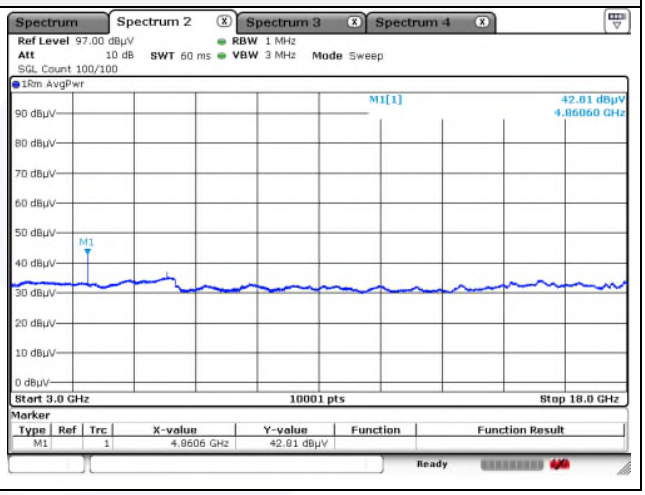
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 023.50	45.67	Peak	V	-9.25	-	36.42	74.00	37.58
1 031.90	45.89	Peak	H	-9.20	-	36.69	74.00	37.31
4 860.60	46.32	Peak	H	6.73	-	53.05	74.00	20.95
4 860.60	47.58	Peak	V	6.73	-	54.31	74.00	19.69
4 860.60	42.81	Average	V	6.73	0.18	49.72	54.00	4.28

Horizontal // Peak for 1 ㎓ to 3 ㎓



Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓	Vertical // Peak for 3 ㎓ to 18 ㎓
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

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

Mode:	802.11g_DC 24 V
Distance of measurement:	3 meter
Channel:	11

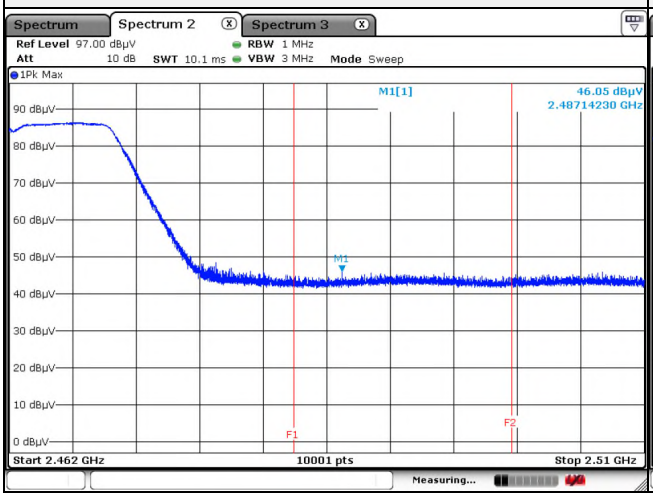
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 009.90	45.83	Peak	H	-9.34	-	36.49	74.00	37.51
1 023.10	45.37	Peak	V	-9.26	-	36.11	74.00	37.89
4 860.60	45.32	Peak	H	6.73	-	52.05	74.00	21.95
4 860.60	47.33	Peak	V	6.73	-	54.06	74.00	19.94
4 860.60	42.85	Average	V	6.73	0.18	49.76	54.00	4.24

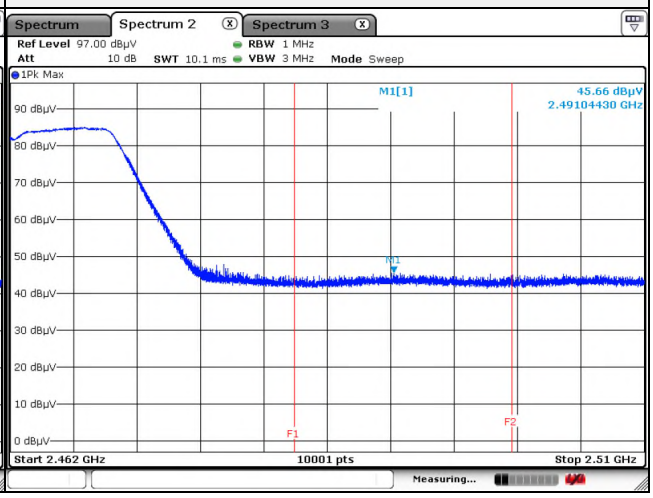
- **Band edge**

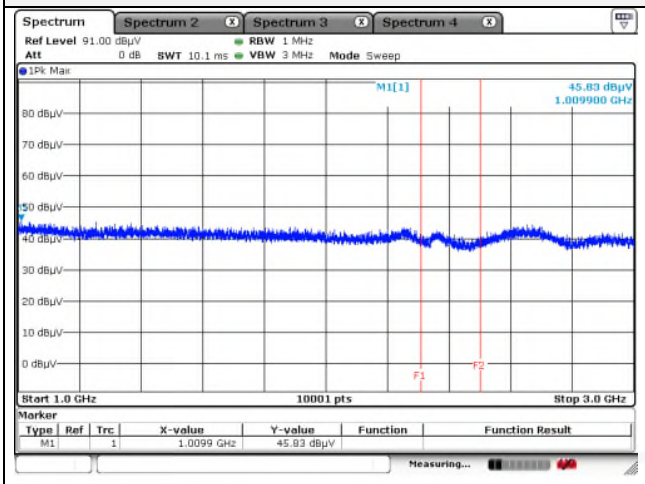
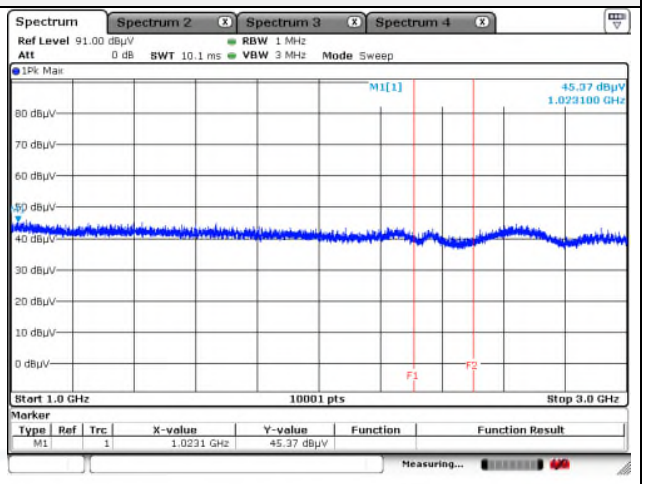
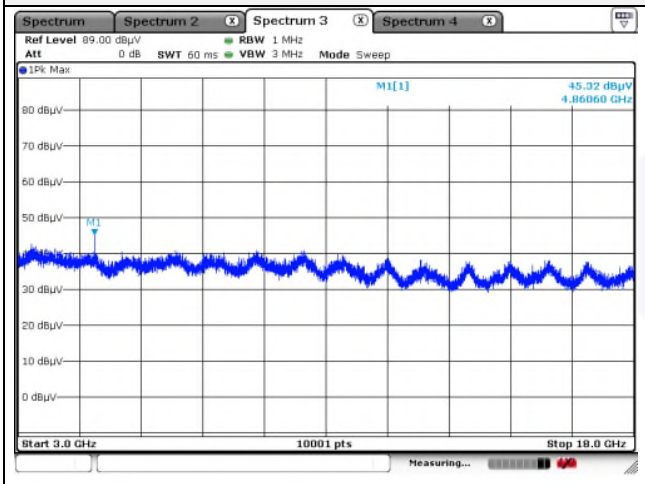
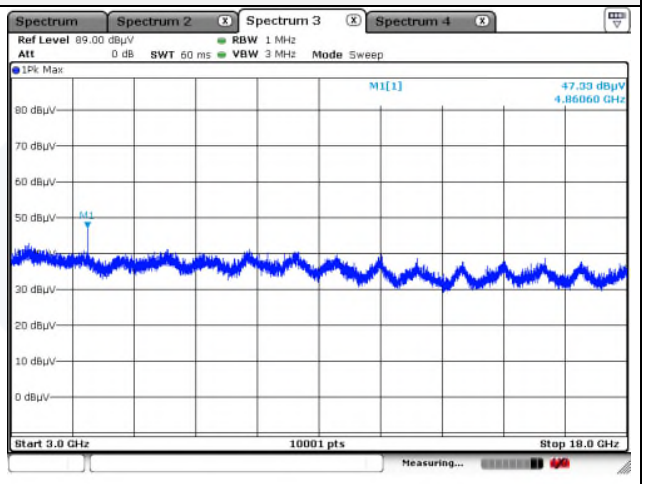
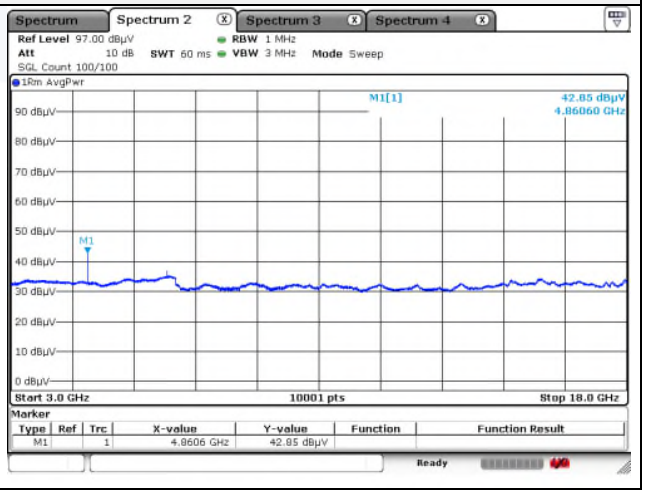
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 487.14	46.05	Peak	H	-0.27	-	45.78	74.00	28.22
2 491.04	45.66	Peak	V	-0.27	-	45.39	74.00	28.61

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode: 802.11n_HT20_DC 12 V

Distance of measurement: 3 meter

Channel: 01

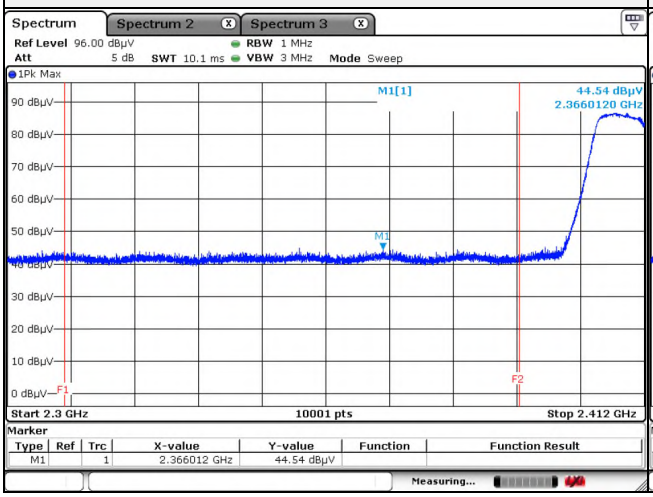
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 081.09	45.41	Peak	H	-8.89	-	36.52	74.00	37.48
1 132.29	45.22	Peak	V	-8.57	-	36.65	74.00	37.35
4 860.60	45.34	Peak	H	6.73	-	52.07	74.00	21.93
4 860.60	47.68	Peak	V	6.73	-	54.41	74.00	19.59
4 860.60	42.70	Average	V	6.73	0.32	49.75	54.00	4.25

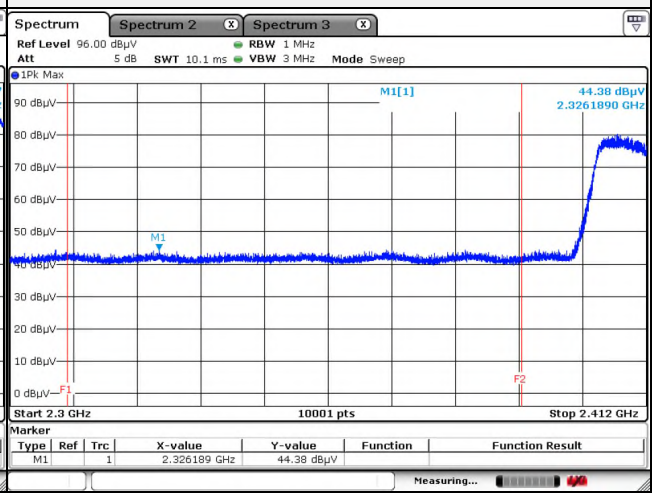
- **Band edge**

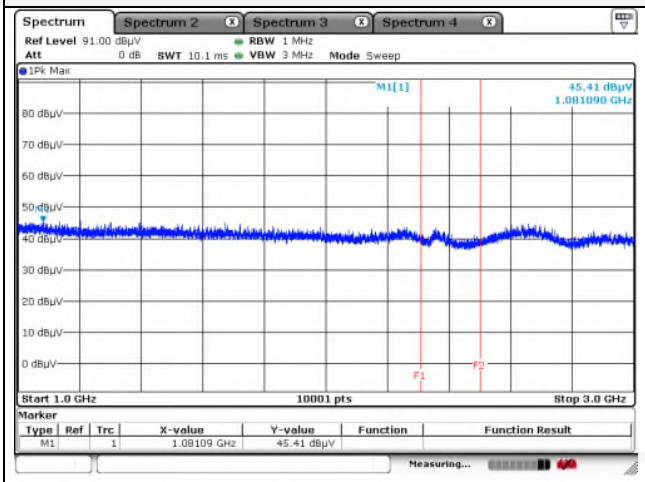
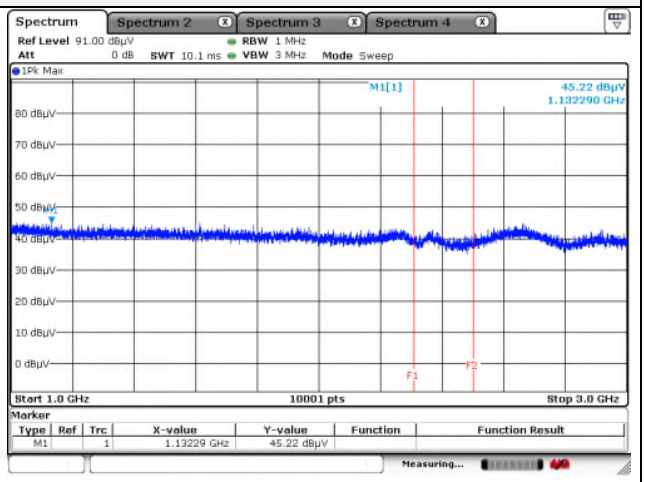
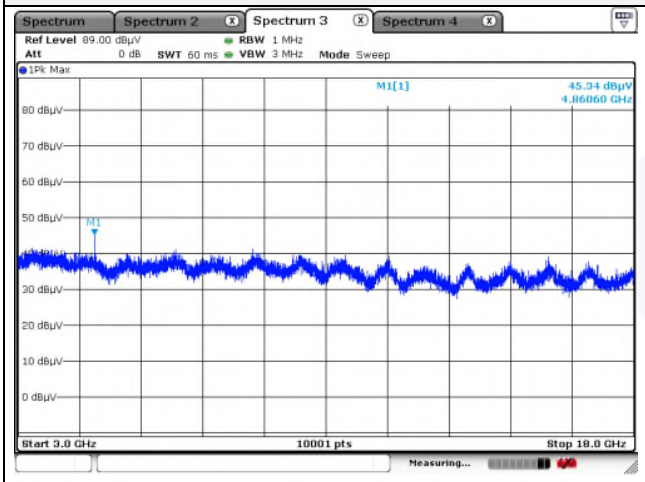
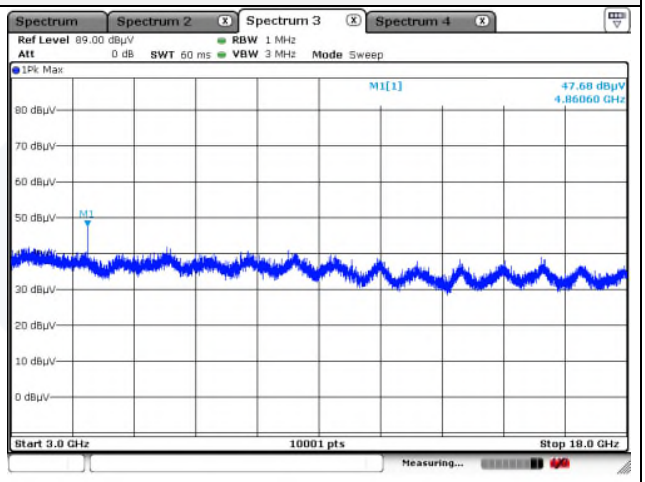
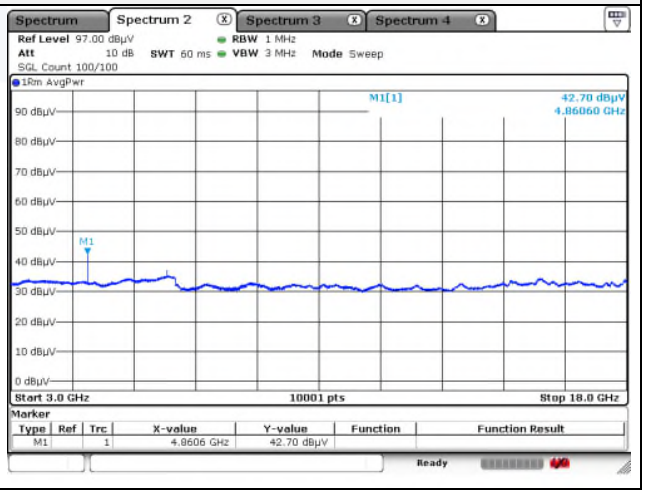
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 326.19	44.38	Peak	V	-0.55	-	43.83	74.00	30.17
2 366.01	44.54	Peak	H	-0.42	-	44.12	74.00	29.88

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode: 802.11n_HT20_DC 12 V

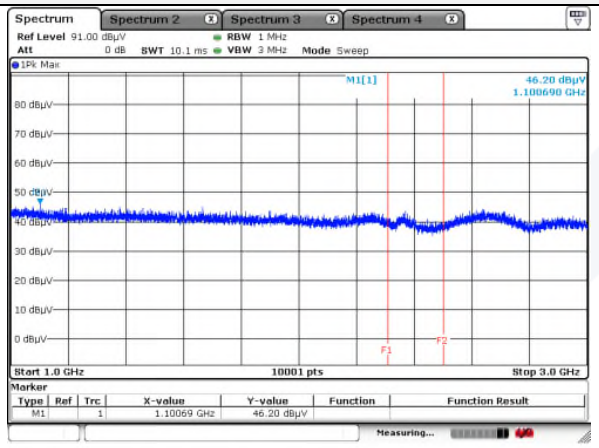
Distance of measurement: 3 meter

Channel: 06

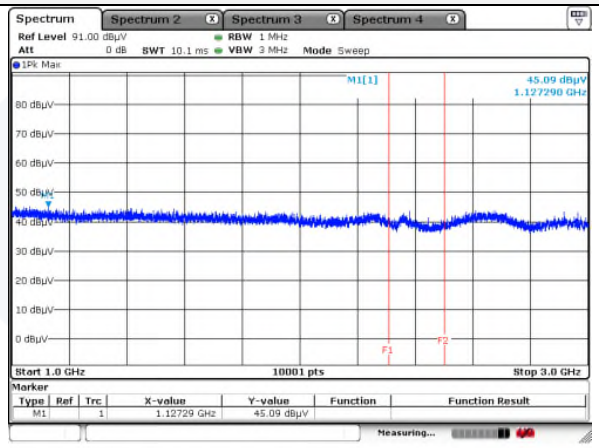
- **Spurious**

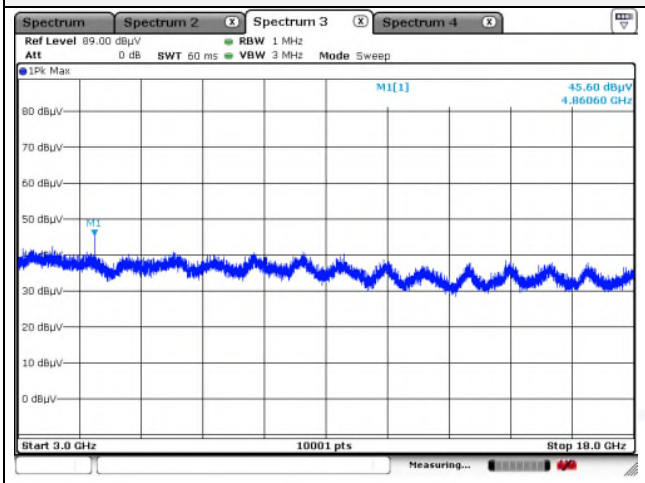
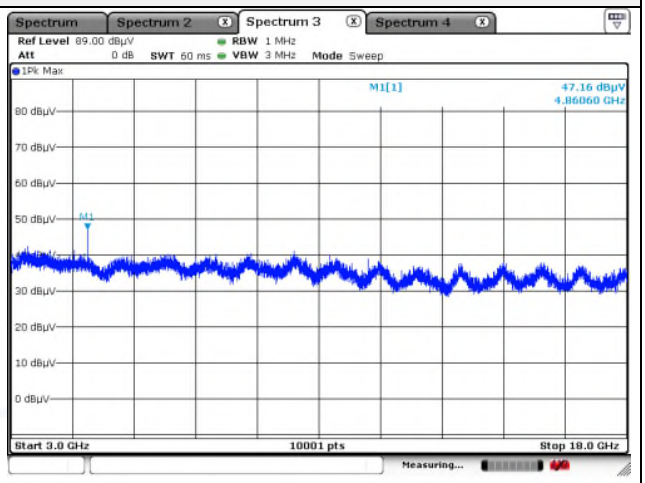
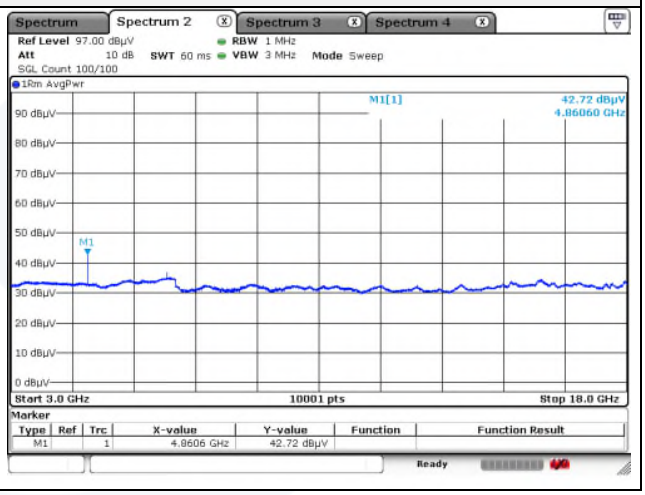
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 100.69	46.20	Peak	H	-8.77	-	37.43	74.00	36.57
1 127.29	45.09	Peak	V	-8.60	-	36.49	74.00	37.51
4 860.60	45.60	Peak	H	6.73	-	52.33	74.00	21.67
4 860.60	47.16	Peak	V	6.73	-	53.89	74.00	20.11
4 860.60	42.72	Average	V	6.73	0.32	49.77	54.00	4.23

Horizontal // Peak for 1 ㎓ to 3 ㎓



Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓	Vertical // Peak for 3 ㎓ to 18 ㎓
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

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

Mode: 802.11n_HT20_DC 12 V

Distance of measurement: 3 meter

Channel: 11

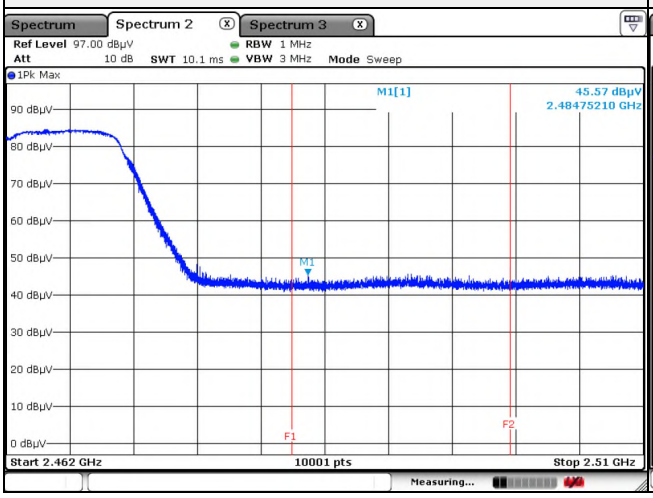
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 036.50	46.21	Peak	H	-9.17	-	37.04	74.00	36.96
1 268.87	45.75	Peak	V	-7.71	-	38.04	74.00	35.96
4 860.60	45.76	Peak	H	6.73	-	52.49	74.00	21.51
4 860.60	46.76	Peak	V	6.73	-	53.49	74.00	20.51
4 860.60	42.74	Average	V	6.73	0.32	49.79	54.00	4.21

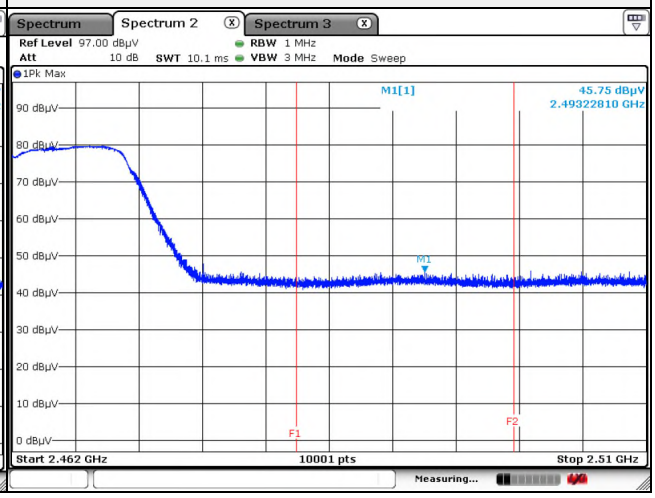
- **Band edge**

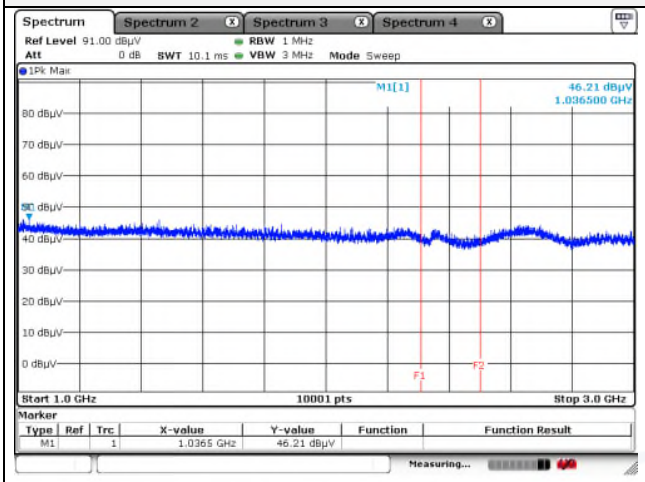
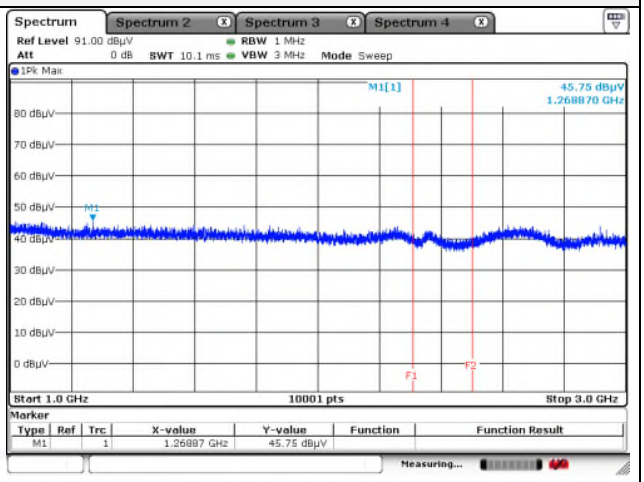
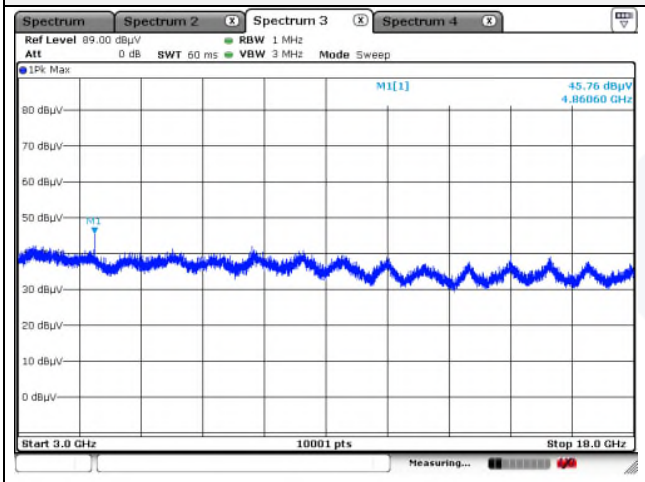
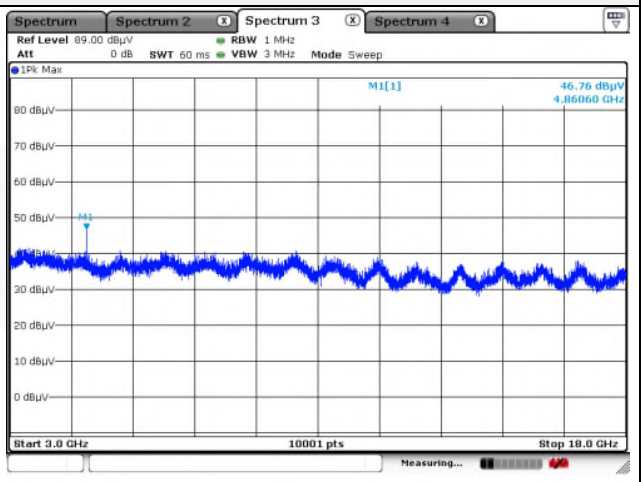
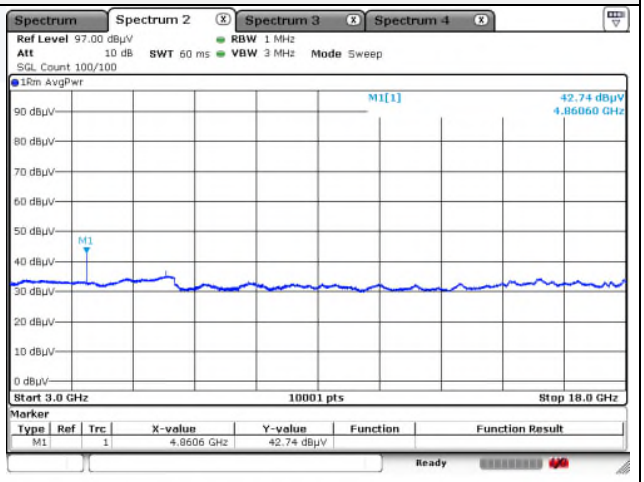
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 484.75	45.57	Peak	H	-0.27	-	45.30	74.00	28.70
2 493.23	45.75	Peak	V	-0.27	-	45.48	74.00	28.52

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

Mode:	802.11n_HT20_DC 24 V
Distance of measurement:	3 meter
Channel:	01

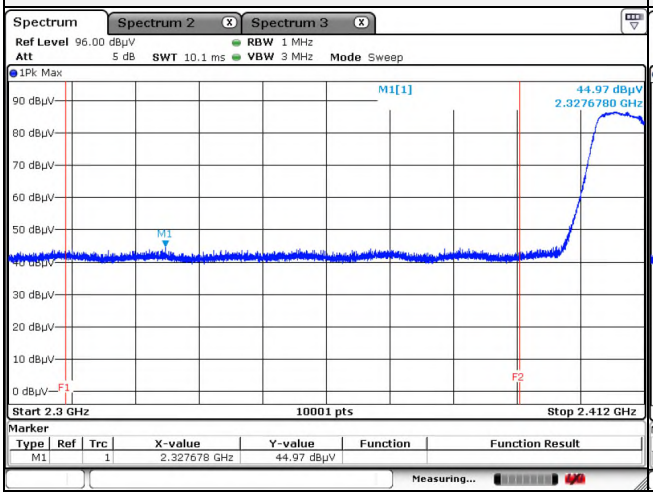
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 076.09	45.50	Peak	H	-8.92	-	36.58	74.00	37.42
1 078.69	45.15	Peak	V	-8.91	-	36.24	74.00	37.76
4 860.60	44.61	Peak	H	6.73	-	51.34	74.00	22.66
4 860.60	46.84	Peak	V	6.73	-	53.57	74.00	20.43
4 860.60	42.83	Average	V	6.73	0.32	49.88	54.00	4.12

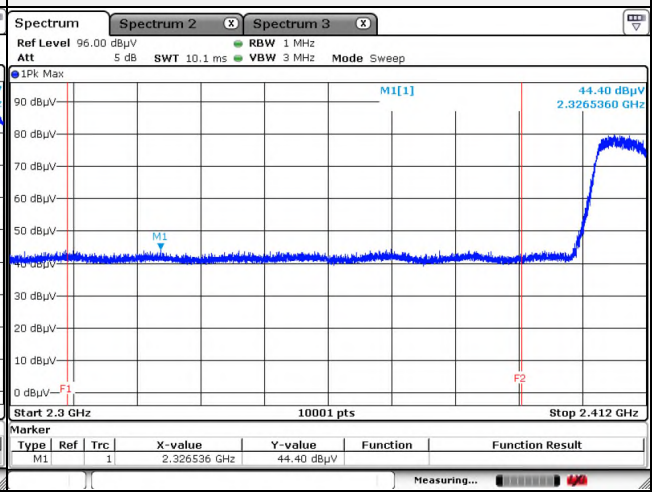
- **Band edge**

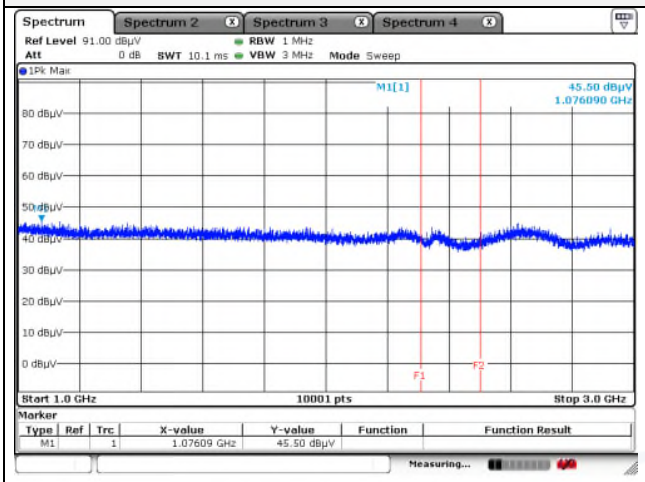
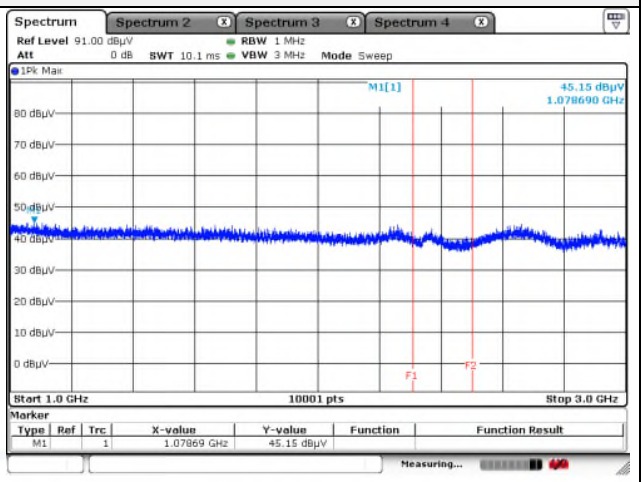
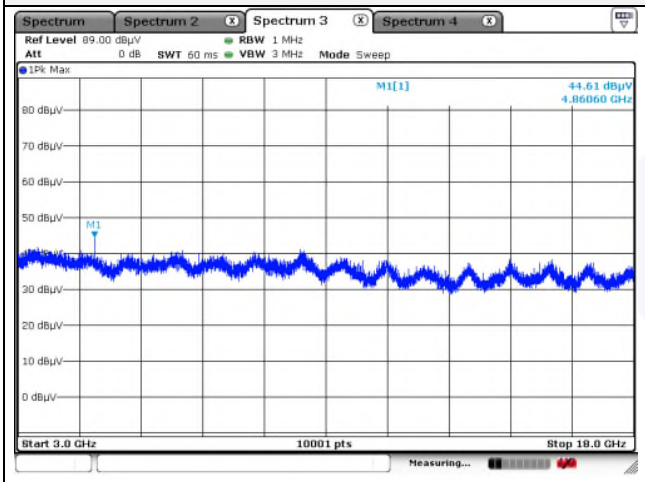
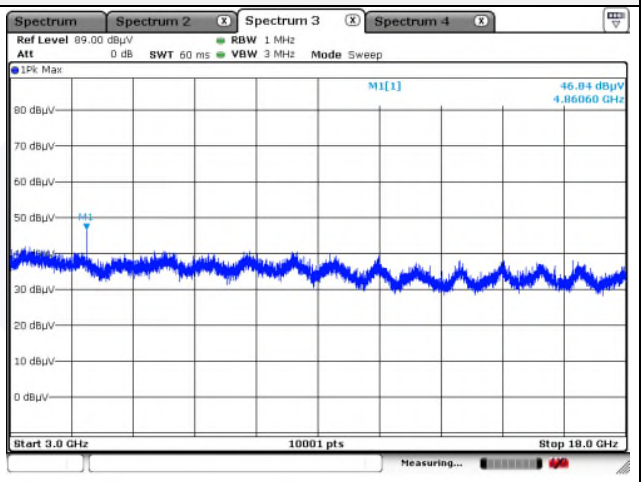
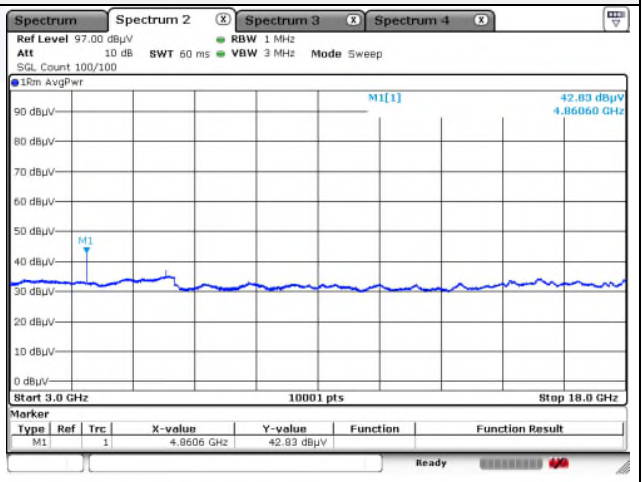
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 326.54	44.40	Peak	V	-0.55	-	43.85	74.00	30.15
2 327.68	44.97	Peak	H	-0.55	-	44.42	74.00	29.58

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

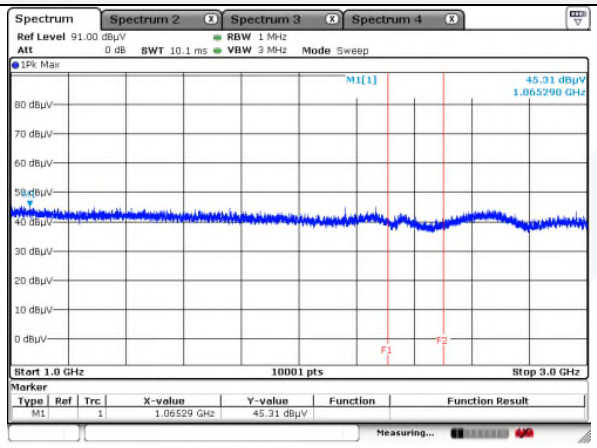
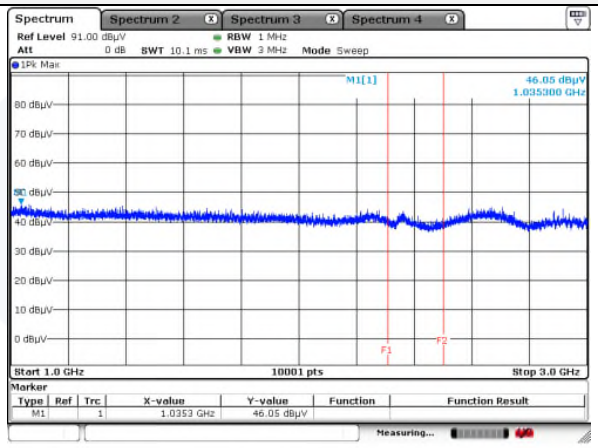
Mode: 802.11n_HT20_DC 24 V

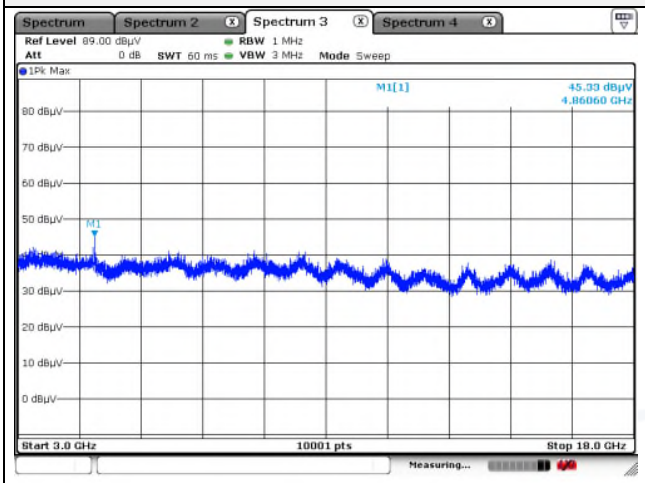
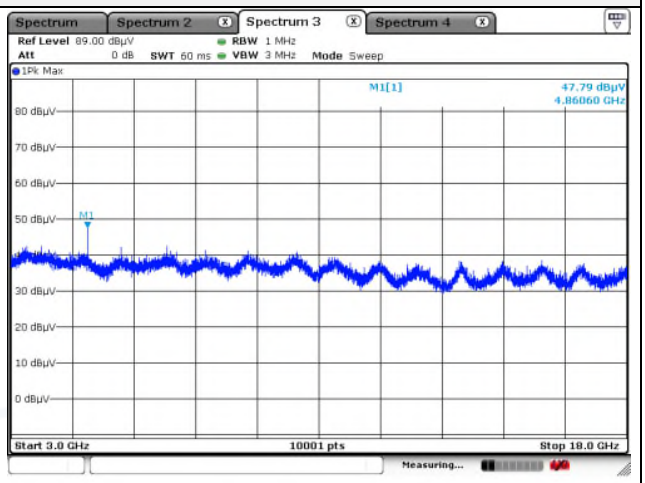
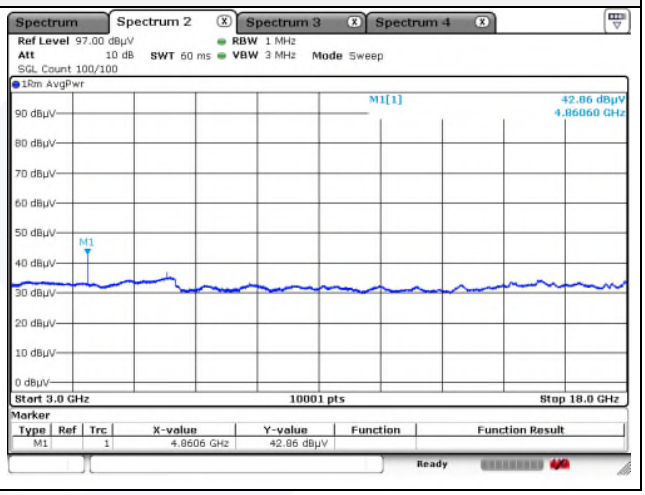
Distance of measurement: 3 meter

Channel: 06

- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 035.30	46.05	Peak	V	-9.18	-	36.87	74.00	37.13
1 065.29	45.31	Peak	H	-8.99	-	36.32	74.00	37.68
4 860.60	45.33	Peak	H	6.73	-	52.06	74.00	21.94
4 860.60	47.79	Peak	V	6.73	-	54.52	74.00	19.48
4 860.60	42.86	Average	V	6.73	0.32	49.91	54.00	4.09

Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	

Horizontal // Peak for 3 ㎓ to 18 ㎓	Vertical // Peak for 3 ㎓ to 18 ㎓
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

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

Mode: 802.11n_HT20_DC 24 V

Distance of measurement: 3 meter

Channel: 11

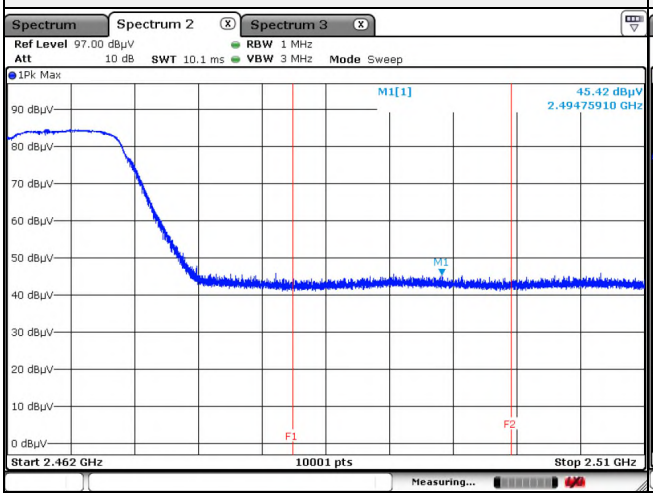
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 013.10	44.82	Peak	V	-9.32	-	35.50	74.00	38.50
1 030.90	45.23	Peak	H	-9.21	-	36.02	74.00	37.98
4 860.60	45.39	Peak	H	6.73	-	52.12	74.00	21.88
4 860.60	47.70	Peak	V	6.73	-	54.43	74.00	19.57
4 860.60	42.80	Average	V	6.73	0.32	49.85	54.00	4.15

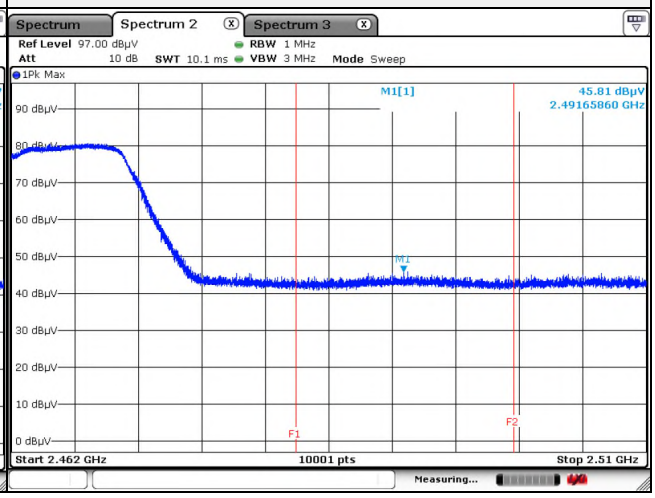
- **Band edge**

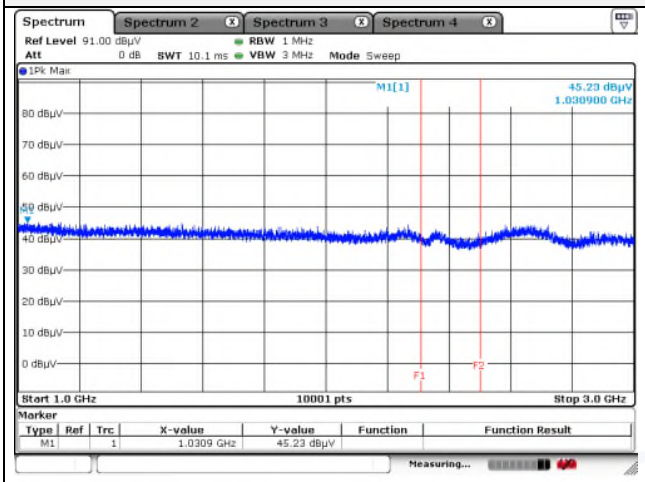
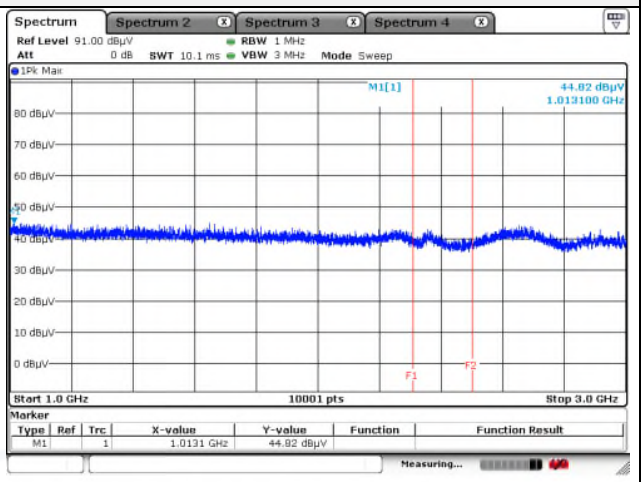
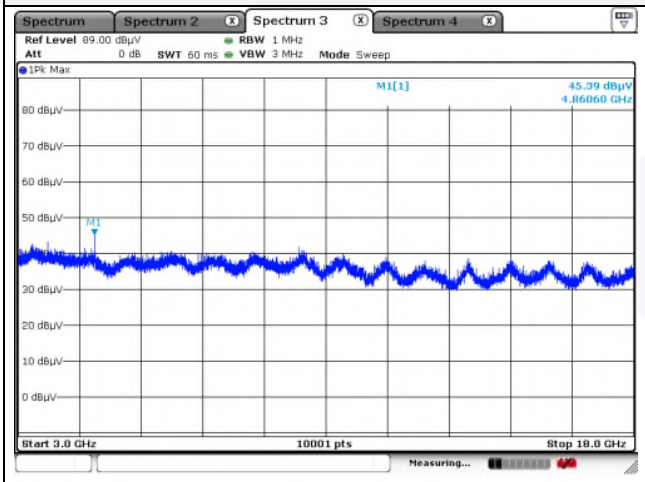
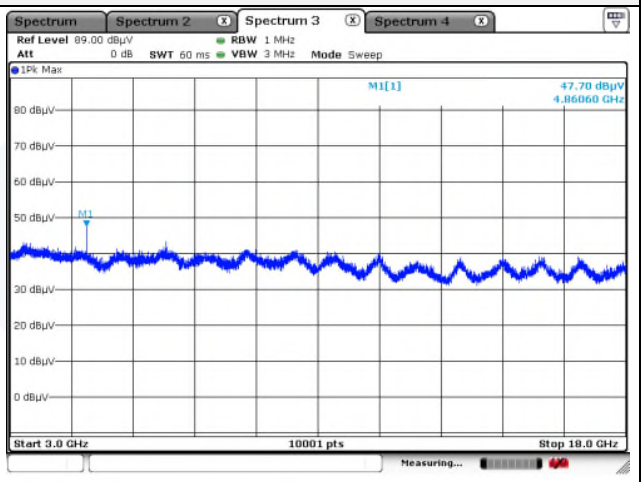
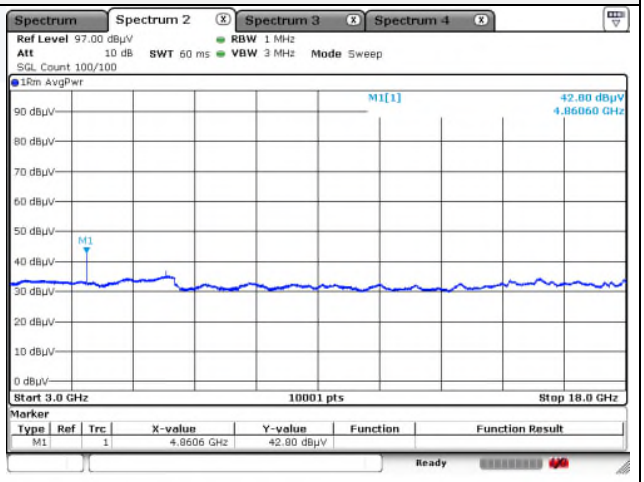
Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 491.66	45.81	Peak	V	-0.27	-	45.54	74.00	28.46
2 494.76	45.42	Peak	H	-0.27	-	45.15	74.00	28.85

Restricted band // Horizontal // Peak



Restricted band // Vertical // Peak



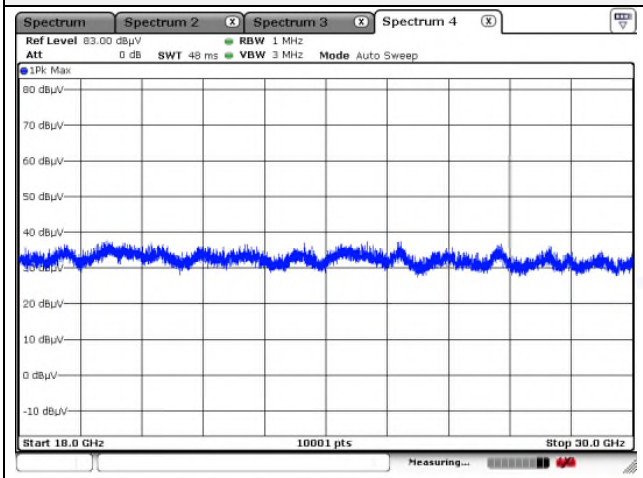
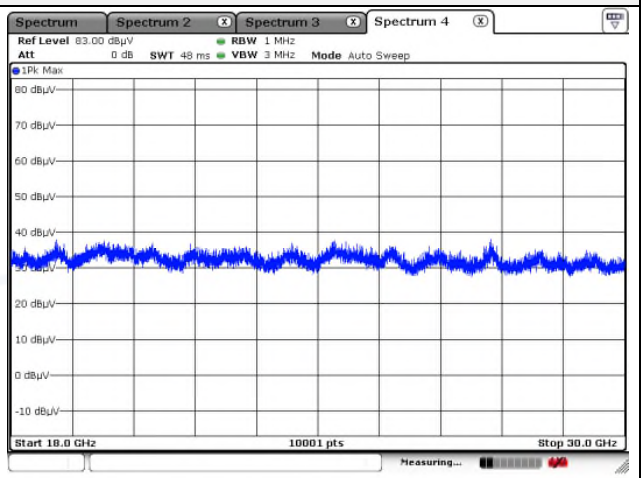
Horizontal // Peak for 1 ㎓ to 3 ㎓	Vertical // Peak for 1 ㎓ to 3 ㎓
	
Horizontal // Peak for 3 ㎓ to 18 ㎓	**Vertical // Peak for 3 ㎓ to 18 ㎓**
	
Horizontal // Average for 3 ㎓ to 18 ㎓	**Vertical // Average for 3 ㎓ to 18 ㎓**
Blank	

Note.

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

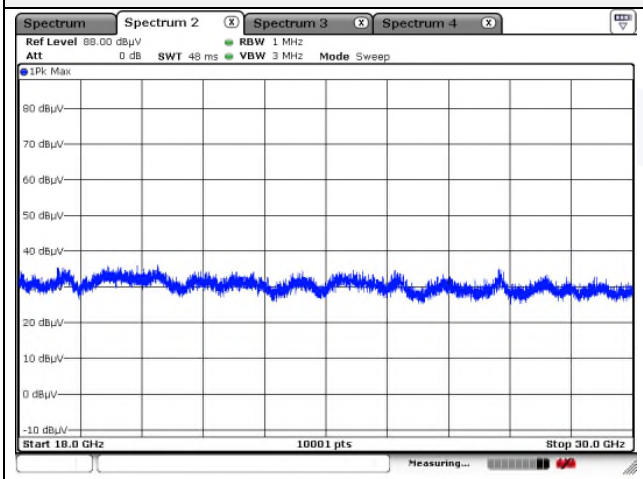
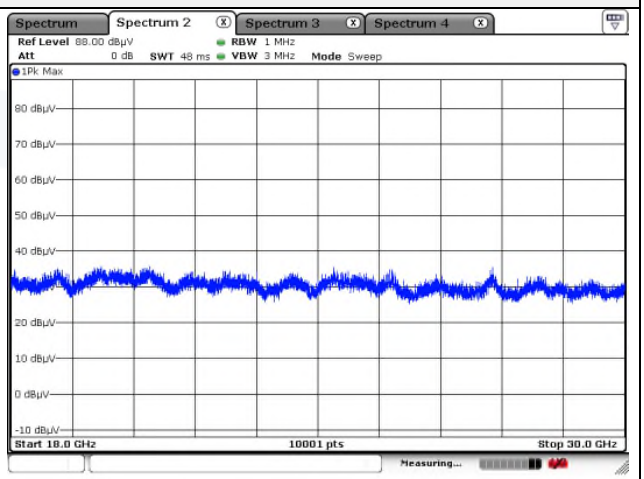
Test results (18 ㎓ to 30 ㎓) – Worst case

Mode:	LE 1 Mbps_DC 12 V
Distance of measurement:	3 meter
Channel:	00 (Worst case)

Horizontal // Peak	Vertical // Peak
	

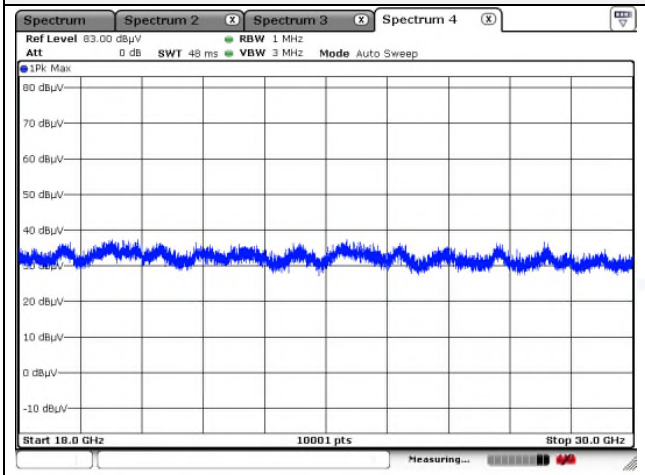
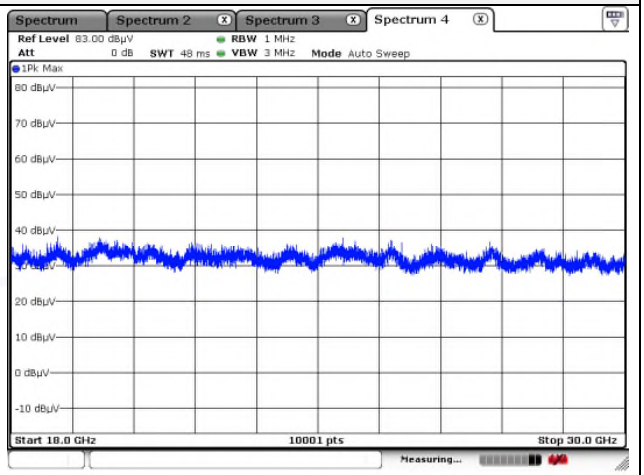
Note.
1. No spurious emission were detected above 18 ㎓.

Mode:	LE 1 Mbps_DC 24 V
Distance of measurement:	3 meter
Channel:	00 (Worst case)

Horizontal // Peak	Vertical // Peak
	

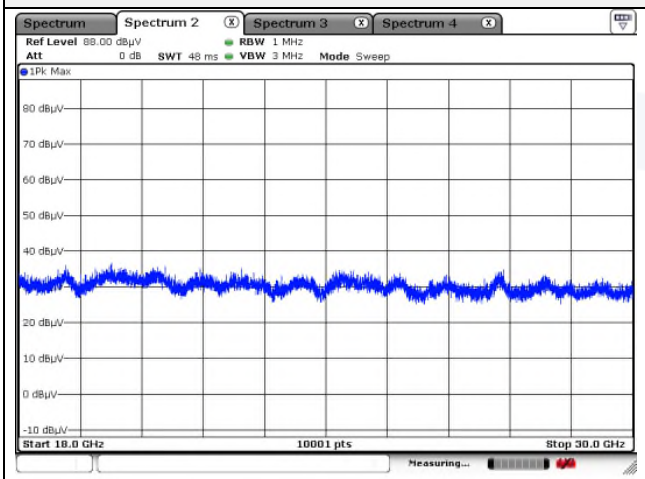
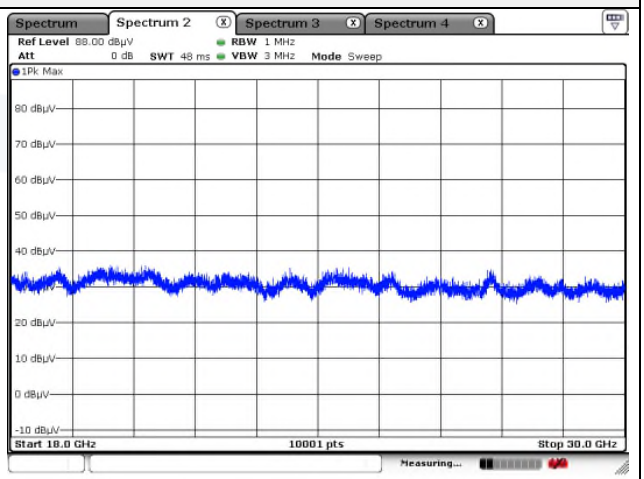
Note.
1. No spurious emission were detected above 18 ㎓.

Mode:	802.11g (Worst case)_DC 12 V
Distance of measurement:	3 meter
Channel:	06 (Worst case)

Horizontal // Peak	Vertical // Peak
	

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

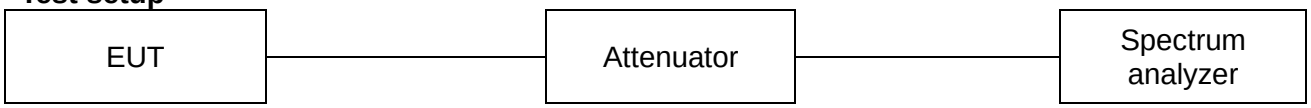
Mode:	802.11g (Worst case)_DC 12 V
Distance of measurement:	3 meter
Channel:	06 (Worst case)

Horizontal // Peak	Vertical // Peak
	

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

3.6. Conducted spurious emissions & band edge

Test setup



Test procedure

Band edge

ANSI C63.10-2013 - Section 11.11

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Set the RBW = 100 ㎑
4. Set the VBW = [3 × RBW].
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow trace to fully stabilize.

Out of band emissions

ANSI C63.10-2013 - Section 11.11

1. Start frequency was set to 30 ㎒ and stop frequency was set to 25 ㎓ for 2.4 ㎓ frequencies and 40 ㎓ for 5 ㎓ frequencies
2. Set the RBW = 100 ㎑
3. Set the VBW = [3 × RBW].
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow trace to fully stabilize.

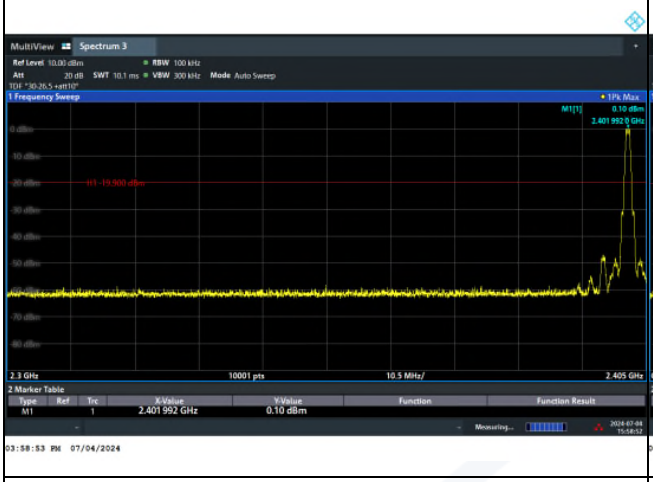
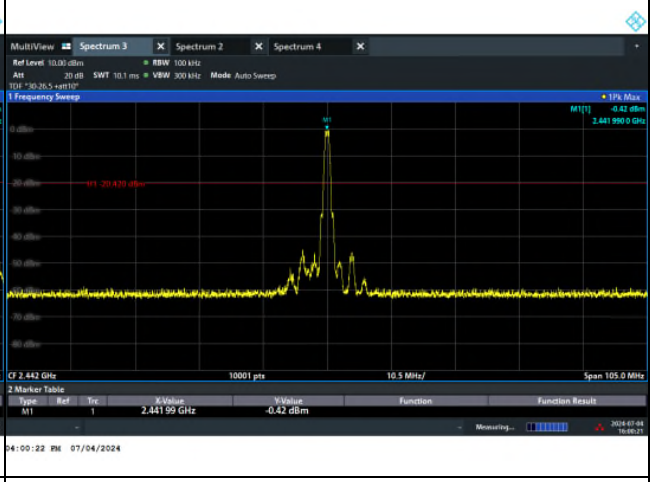
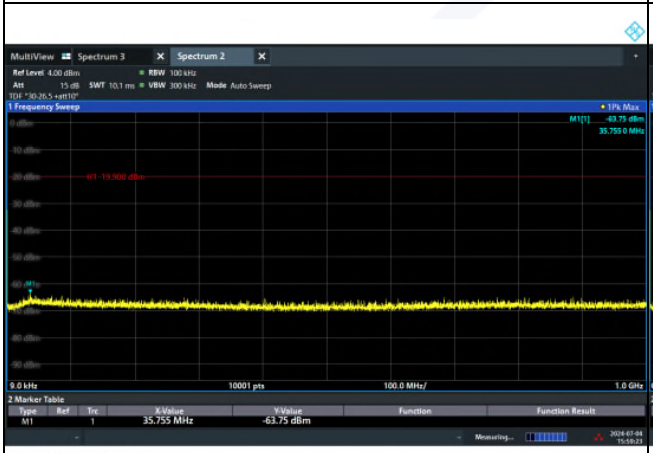
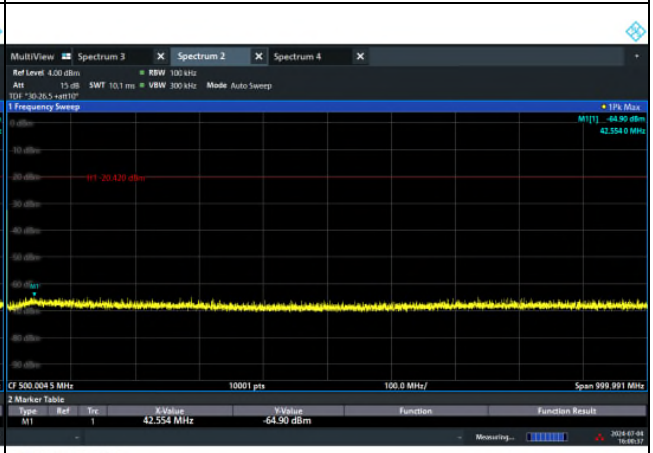
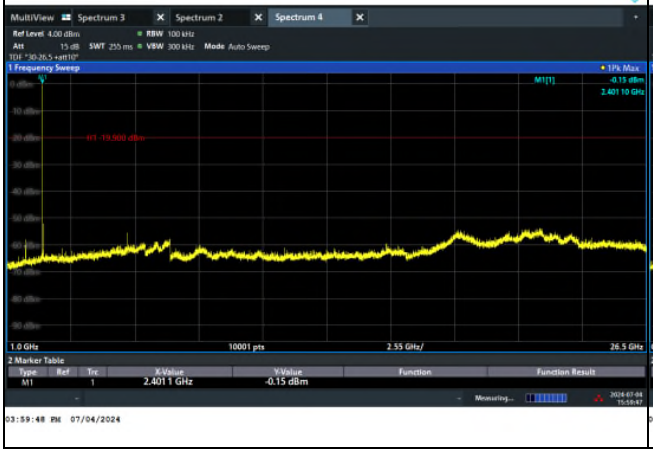
FCC Limit

According to 15.247(d), in any 100 ㎑ bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 ㏈ below that in the 100 ㎑ bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval , as permitted under paragraph(b)(3) of this section , the attenuation required under this paragraph shall be 30 ㏈ instead of 20 ㏈. Attenuation below the general limits specified in section 15.209(a) is not required. In addition, radiated emission which in the restricted band, as define in section 15.205(a), must also comply the radiated emission limits specified in section 15.209(a) (see section 15.205(c))

IC Limit

According to RSS-247 5.5, In any 100 ㎑ bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 ㏈ below that in the 100 ㎑ bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 ㏈ instead of 20 ㏈. Attenuation below the general field strength limits specified in RSS-Gen is not required.

Test results

LE 1 Mbps	
2 402 ㎒	**2 442 ㎒**
	
	
	

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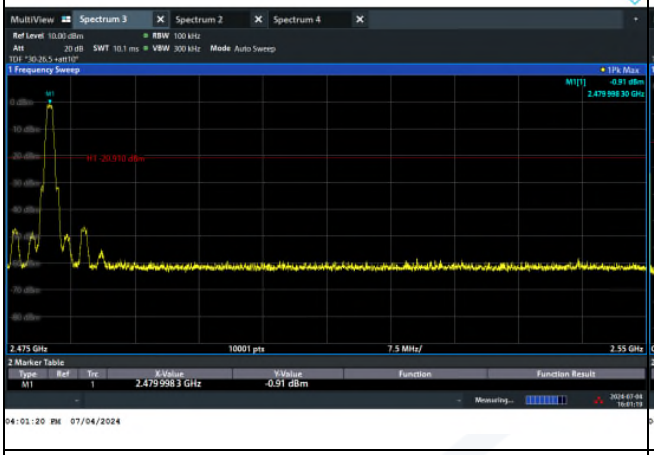
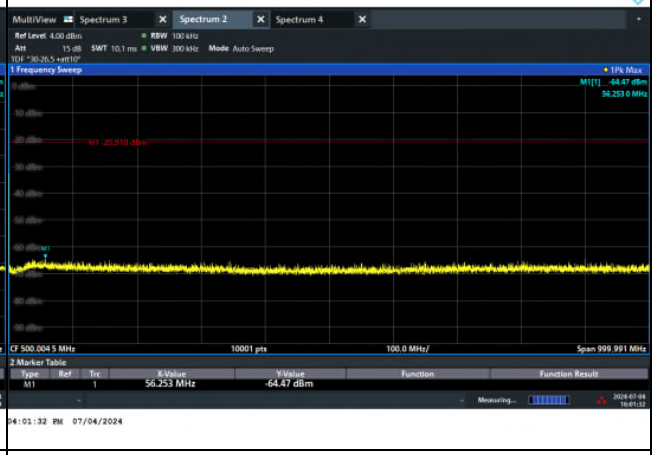
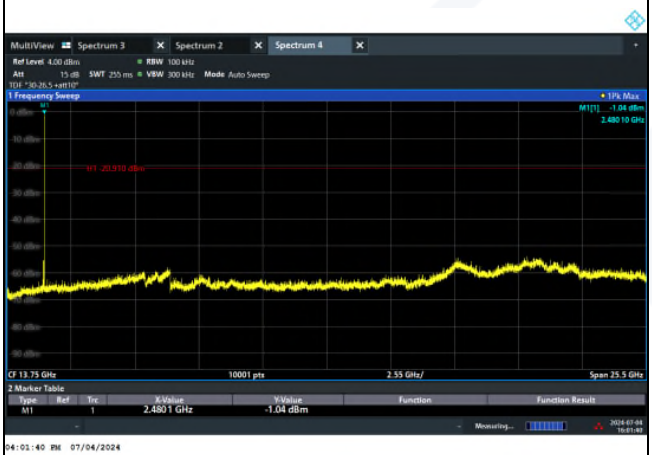
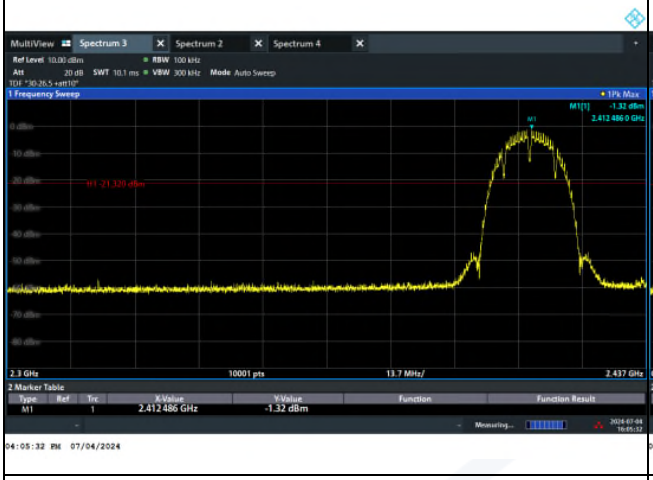
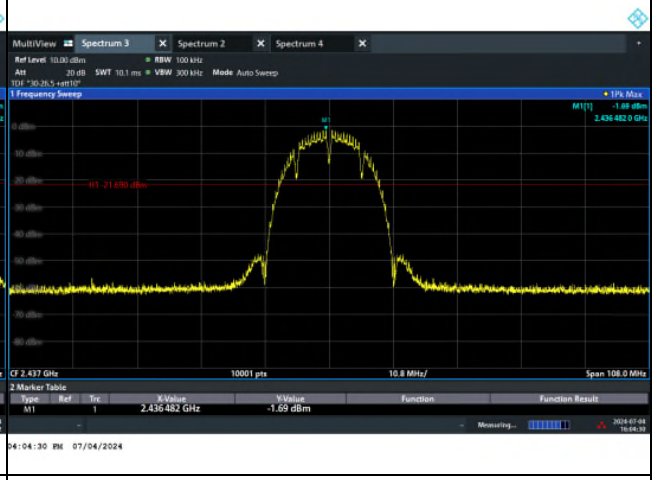
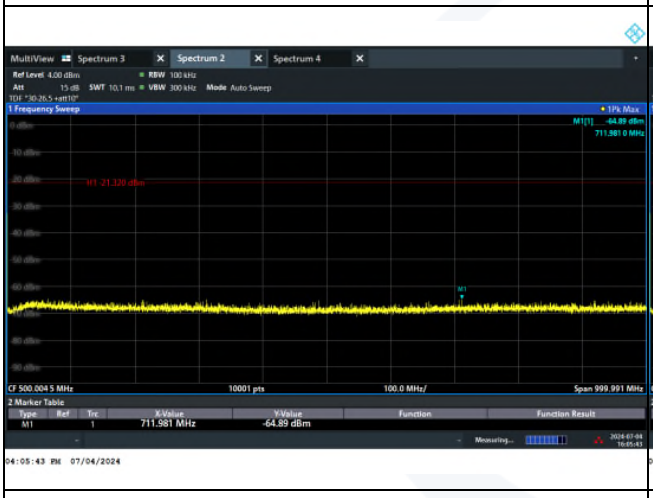
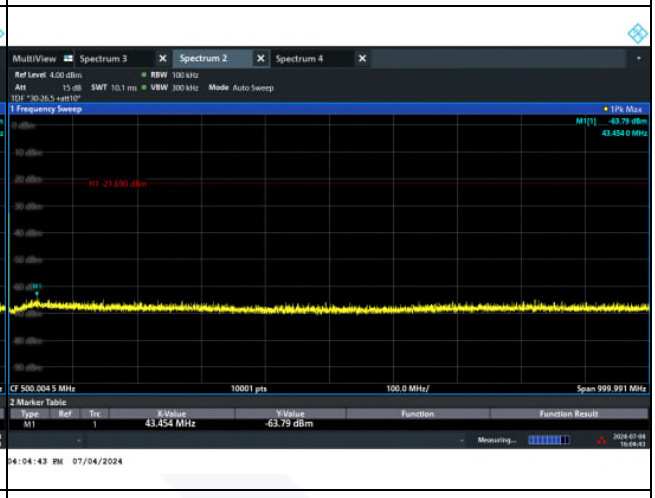
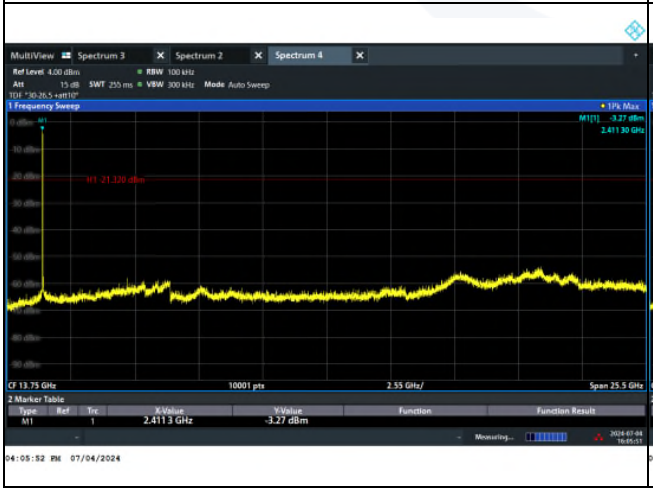
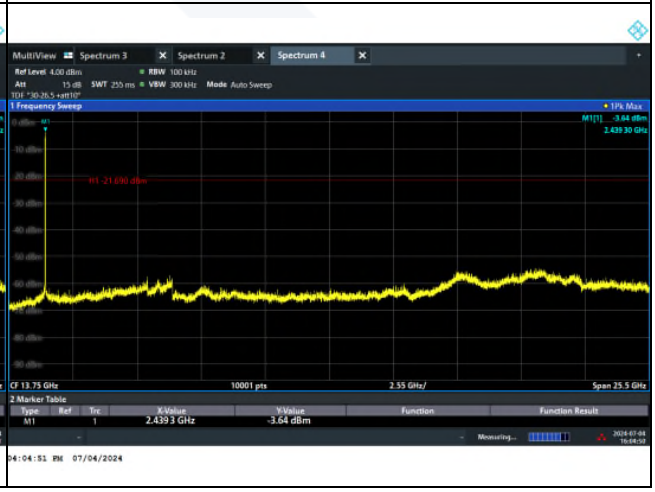
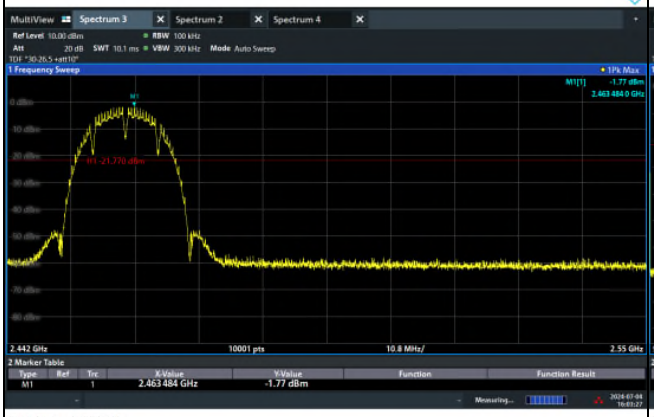
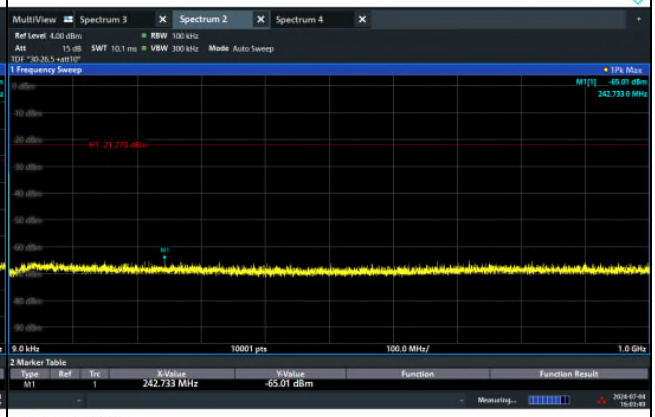
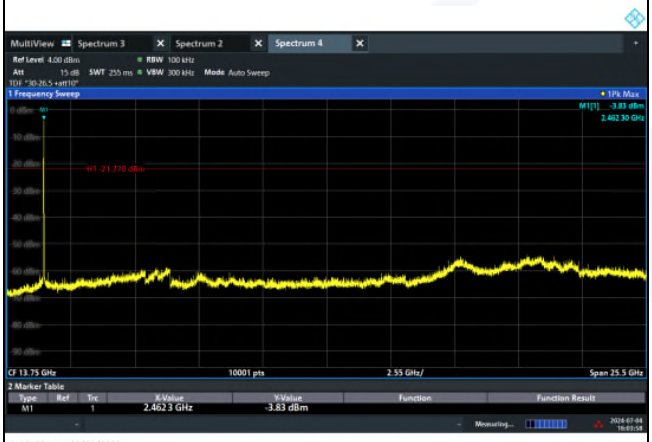
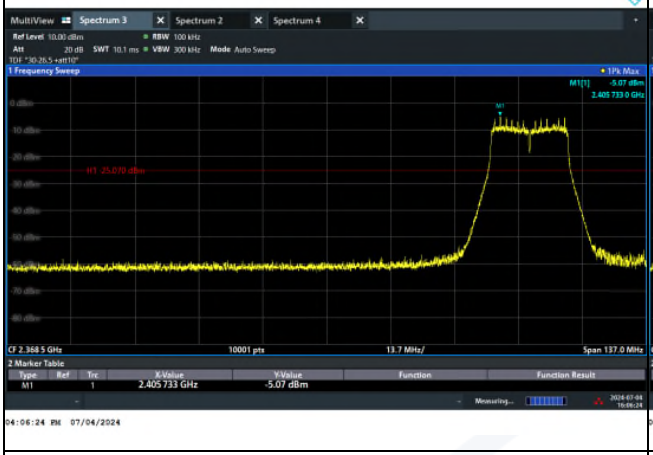
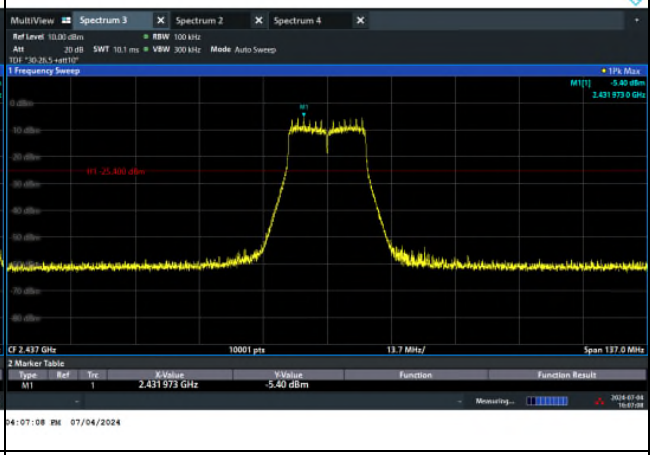
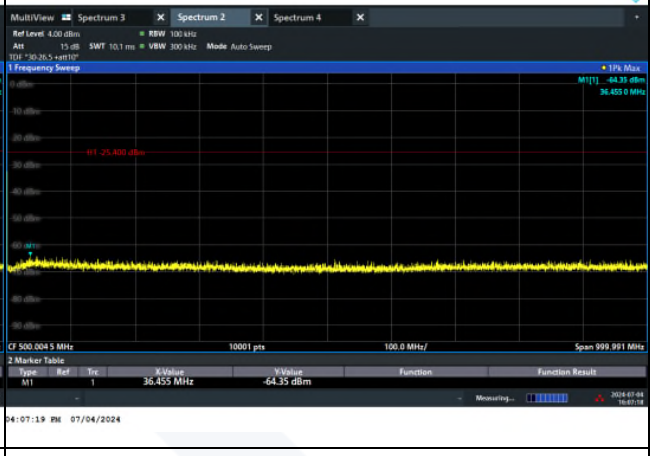
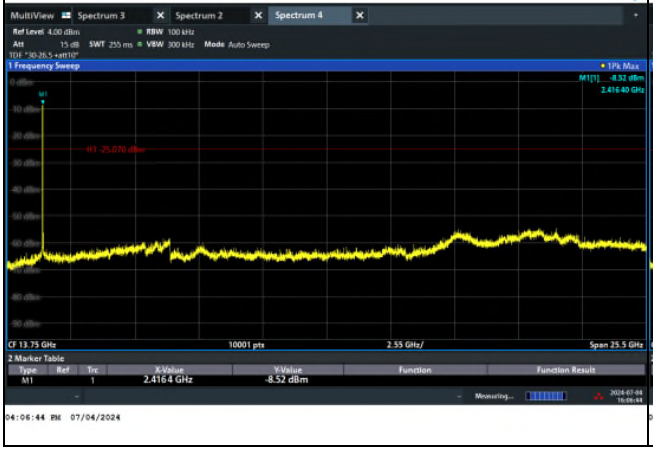
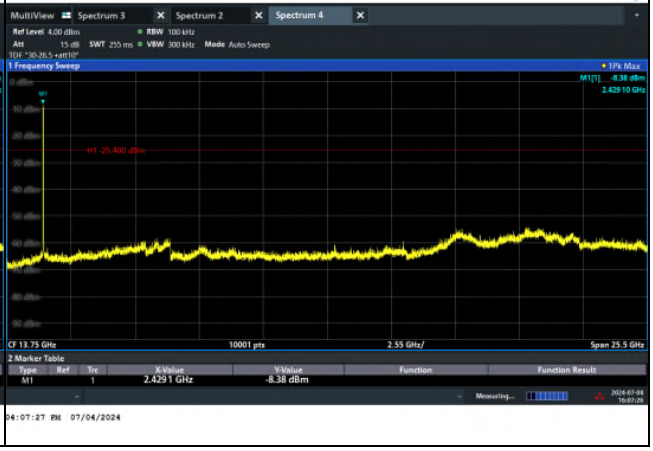
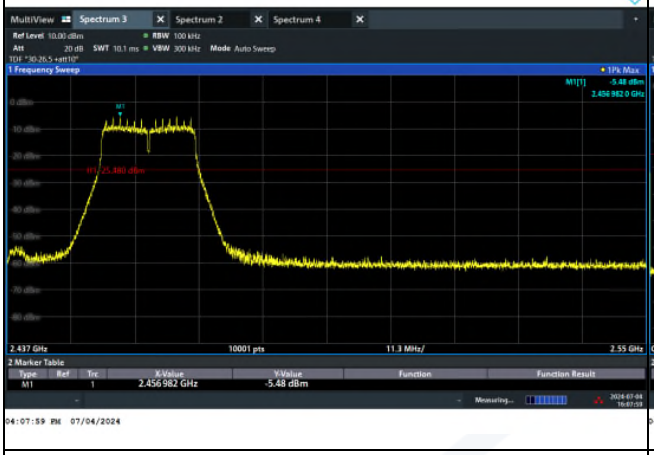
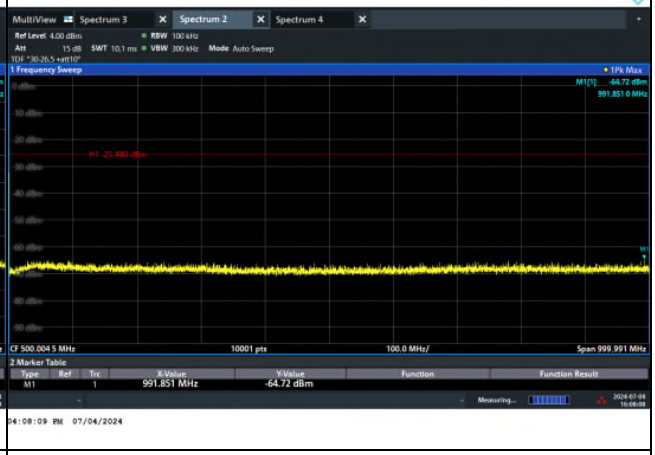
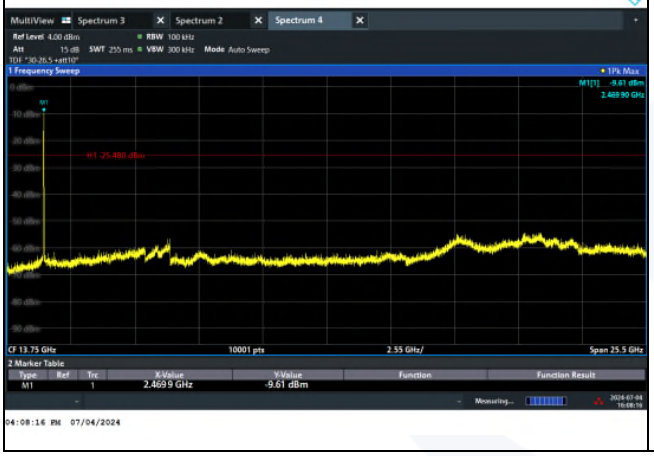
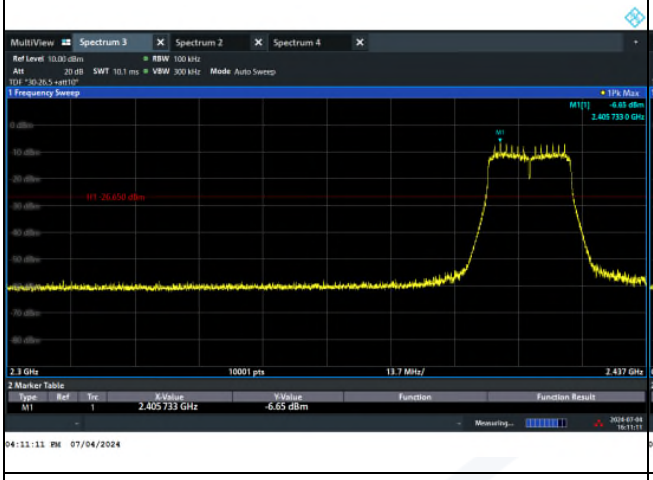
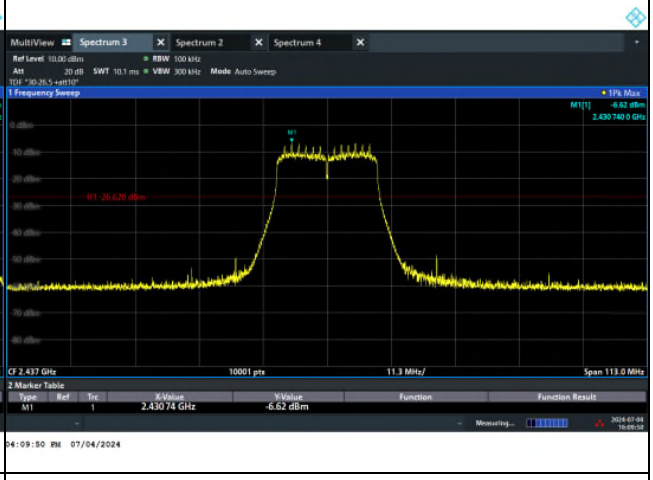
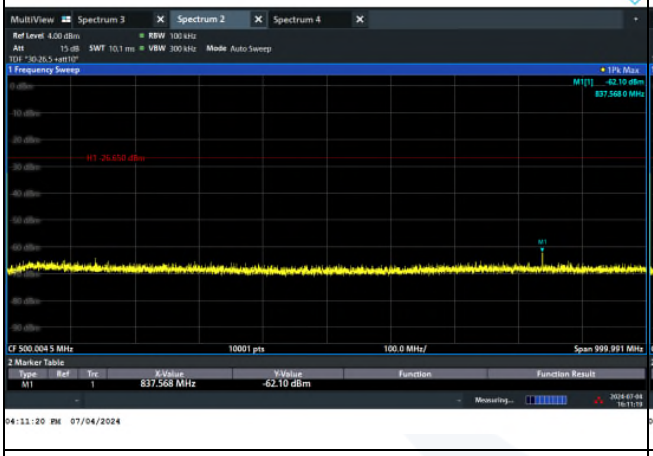
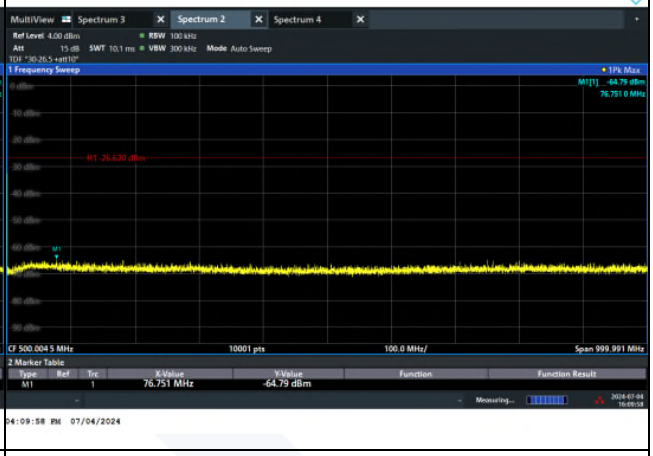
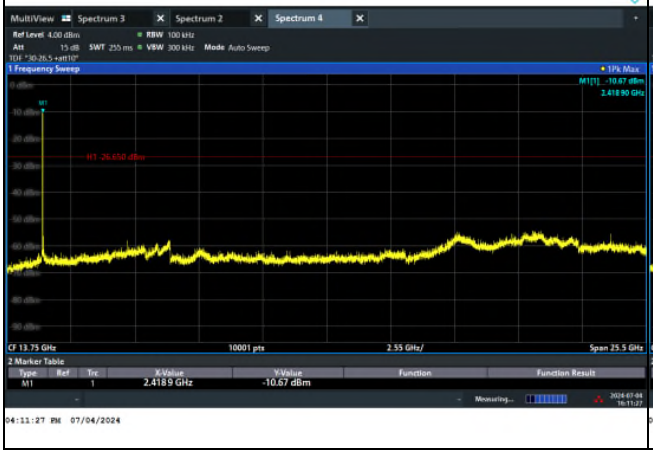
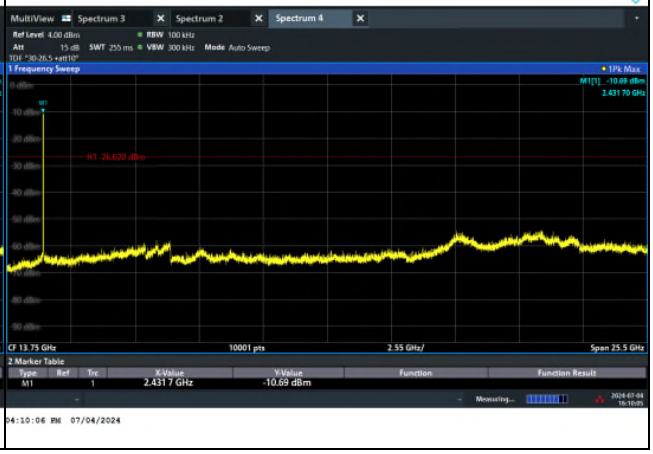
2 480 ㎒	
	
	Blank

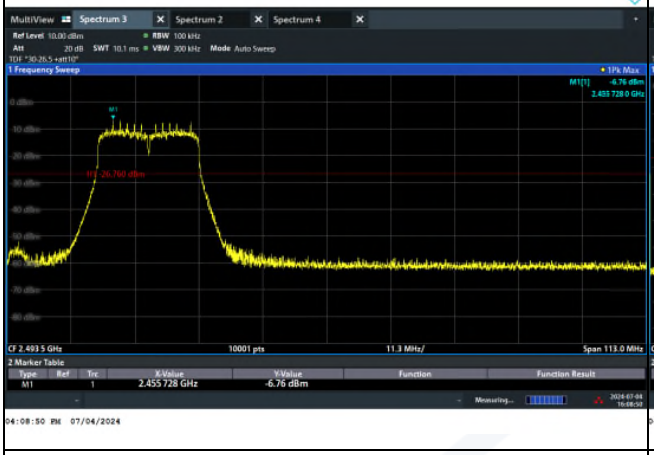
802.11b	
2 412 ㎒	**2 437 ㎒**
	
	
	

802.11b	
2 462 ㎒	
	
	Blank

802.11g	
2 412 MHz	**2 437 MHz**
	
	
	

802.11g	
2 462 ㎒	
	
	Blank

802.11n_HT20	
2 412 MHz	**2 437 MHz**
	
	
	

802.11n_HT20	
2 462 MHz	
	
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3.7. Antenna Requirement

According to 15.207(a), An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

Appendix A. Measurement equipment

Equipment	Manufacturer	Model	Serial No.	Calibration interval	Calibration due.
Spectrum analyzer	R&S	FSV40	101725	1 year	2025.06.12
Spectrum analyzer	R&S	FSV3044	101272	1 year	2025.03.12
SIGNAL GENERATOR	KEYSIGHT	N5182B	MY59100115	1 year	2025.04.15
SIGNAL GENERATOR	Anritsu	68369B	002118	1 year	2025.04.15
Power Meter	Anritsu	ML2495A	2010001	1 year	2025.04.15
Pulse Power Sensor	Anritsu	MA2411B	1911111	1 year	2025.04.15
Attenuator	Mini-Circuits	BW-S10-2W263+	3	1 year	2025.01.15
BAND REJECT FILTER	MICRO-TRONICS	BRM50702	G272	1 year	2025.01.12
ACTIVE LOOP ANTENNA	SCHWARZBECK	FMZB 1513	1513-257	2 years	2025.11.16
TRILOG-BROADBAND ANTENNA	Schwarzbeck	VULB 9163	714	2 years	2026.04.19
Attenuator	HUBER+SHHNER	6806.17.A	NONE	1 year	2025.02.13
Horn Antenna	A.H.	SAS-571	414	1 year	2025.01.16
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA 9170550	1 year	2025.01.16
Amplifier	SONOMA INSTRUMENT	310N	401123	1 year	2025.02.13
PREAMPLIFIER	HP	8449B	3008A00538	1 year	2025.04.30
BROADBAND AMPLIFIER	SCHWARZBECK	BBV9721	PS9721-003	1 year	2025.01.15
DC POWER SUPPLY	SORENSEN	DCS40-75E	1408A02745	1 year	2025.01.12
EMI Test Receiver	R&S	ESU26	100552	1 year	2025.02.13

* Statement of Traceability: KES Co., Ltd. attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Peripheral devices

Device	Manufacturer	Model No.	Serial No.
Notebook computer	LG Electronics Inc.,	LGS53	306QCZP560949
Test Jig Board	N/A	N/A	N/A

The end of test report.