TEST REPORT

Part 15 Subpart C 15.247

Equipment under test	Pogme
Model name	Bro-wifi01
FCC ID	2A2WX-BRO-WIFI01
Applicant	10pple
Manufacturer	10pple
Date of test(s)	2021.08.18 ~ 2021.08.23
Date of issue	2021.08.25

Issued to
10pple
26ho, Yeonji Square L,INDUK University, 12, Choansan-ro, Nowon-gu,
Seoul, Republic of Korea
Tel: +82-10-8661-2772

Issued by
KES Co., Ltd.
3701, 40, Simin-daero 365beon-gil, Dongan-gu, Anyang-si,
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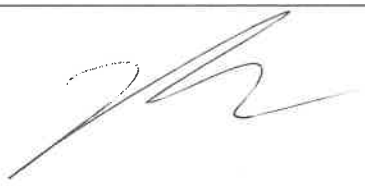
Test and report completed by :	**Report approval by :**
	
Gu-Bong, Kang Test engineer	Young-Jin, Lee Technical manager

Revision history

Revision	Date of issue	Test report No.	Description
-	2021.08.25	KES-RF1-21T0154	Initial

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1. General information

Applicant:	10pple
Applicant address:	26ho, Yeonji Square L,INDUK University, 12, Choansan-ro, Nowon-gu, Seoul, Republic of Korea
Test site:	KES Co., Ltd.
Test site address:	☐ 3701, 40, Simin-daero 365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Korea ☒ 473-29, Gayeo-ro, Yeoju-si, Gyeonggi-do, Korea
Test Facility	FCC Accreditation Designation No.: KR0100, Registration No.: 444148
FCC rule part(s):	15.247
Test device serial No.:	☒ Production ☐ Pre-production ☐ Engineering

1.1. EUT description

Equipment under test	Pogme
Frequency range	2 412 ㎒ ~ 2 462 ㎒ (802.11b/g/n_HT20) 2 422 ㎒ ~ 2 452 ㎒ (802.11n_HT40) 2 402 ㎒ ~ 2 480 ㎒ (LE 1Mbps)
Model:	Bro-wifi01
Modulation technique	WIFI : DSSS, OFDM LE : GFSK
Number of channels	2 412 ㎒ ~ 2 462 ㎒ (802.11b/g/n_HT20) : 11ch 2 422 ㎒ ~ 2 452 ㎒ (802.11n_HT40) : 7ch 2 402 ㎒ ~ 2 480 ㎒ (LE 1Mbps) : 40ch
Antenna specification	2.4G WiFi&BLE Antenna type : PCB antenna Peak gain : 3.40 ㏈i
Power source	AC 120 V (DC Adapter Output 12 V)
H/W version	v1.1
S/W version	v1.0

1.2. Test configuration

The **10pple // Pogme // Bro-wifi01** was tested according to the specification of EUT, the EUT must comply with following standards and KDB documents.

FCC Part 15.247
KDB 558074 D01 v05 r02
ANSI C63.10-2013

1.3. Device modifications

N/A

1.4. Information about Variant Model name

N/A

1.5. Frequency/channel operations

Ch.	Frequency (㎒)	Rate(Mbps)
01	2 412	802.11b/g/n_HT20
.	.	.
.	.	.
06	2 437	802.11b/g/n_HT20
.	.	.
.	.	.
11	2 462	802.11b/g/n_HT20

Ch.	Frequency (㎒)	Rate(Mbps)
03	2 422	802.11n_HT40
.	.	.
.	.	.
06	2 437	802.11n_HT40
.	.	.
.	.	.
09	2 452	802.11n_HT40

Ch.	Frequency (㎒)	Rate(Mbps)
00	2 402	LE 1 Mbps
.	.	.
.	.	.
20	2 442	LE 1 Mbps
.	.	.
.	.	.
39	2 480	LE 1 Mbps

1.6. Accessory information

Equipment	Manufacturer	Model	Serial No.	Power source
-	-	-	-	-

1.7. Measurement results explanation example

For all conducted test items

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Offset(㏈) = RF cable loss(㏈) + attenuator factor(㏈).
= 0.51 + 10 = 10.51

1.8. Measurement Uncertainty

Test Item		Uncertainty
Uncertainty for Conduction emission test		2.46 ㏈
Uncertainty for Radiation emission test (include Fundamental emission)	Below 1㎓	4.40 ㏈
	Above 1㎓	5.94 ㏈
Note. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.		

2. Summary of tests

Reference	Parameter	Test results
15.247(a)(2)	6 dB bandwidth	N/A(1)
15.247(b)(3)	Output power	Pass
15.247(e)	Power spectral density	N/A(1)
15.205 15.209	Radiated restricted band and emission	Pass
15.247(d)	Conducted spurious emission and band edge	N/A(1)
15.207(a)	AC conducted emissions	Pass

Note :

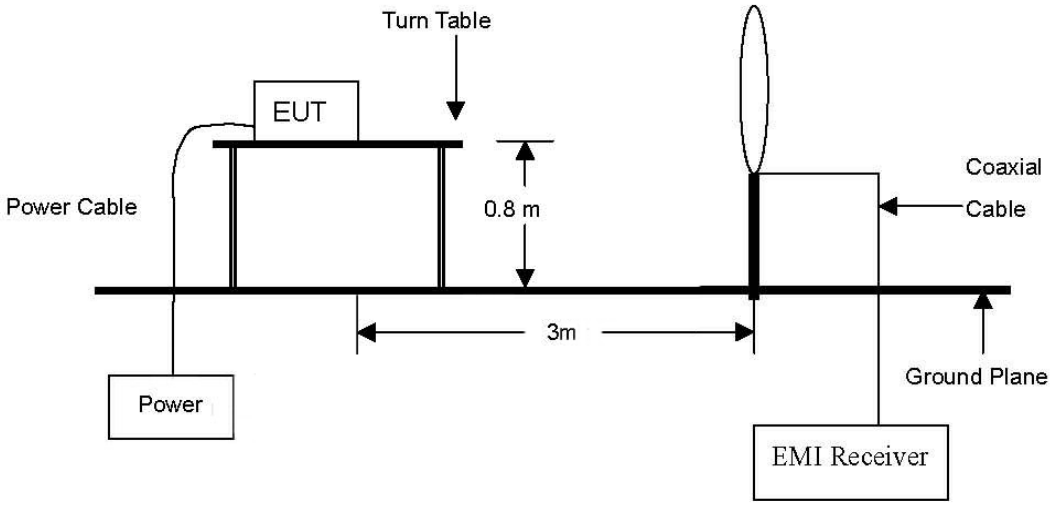
1) Please Refer to the approved Module Report (Report No.: RSHD200218007-00A) for result of existing test items.

3. Test results

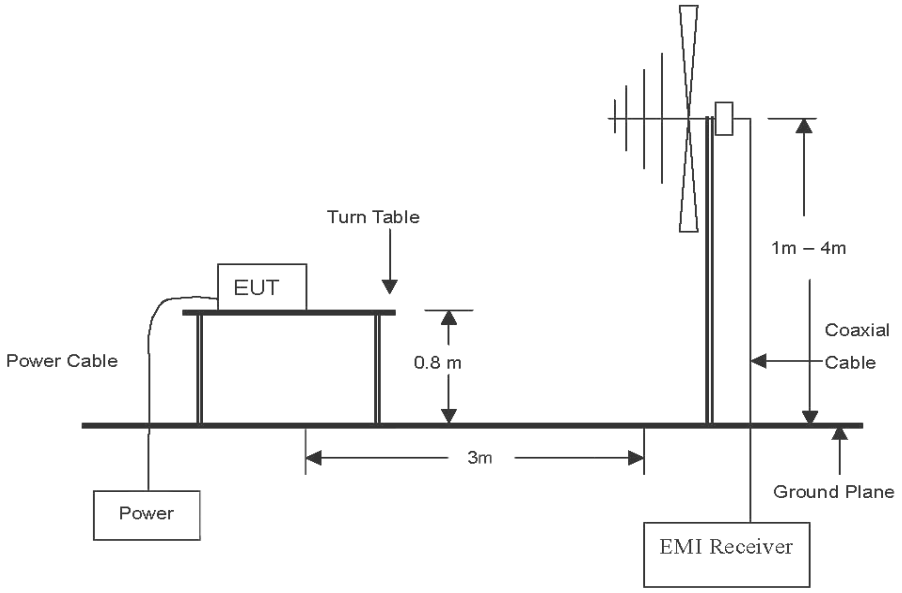
3.1. Radiated restricted band and emissions

Test setup

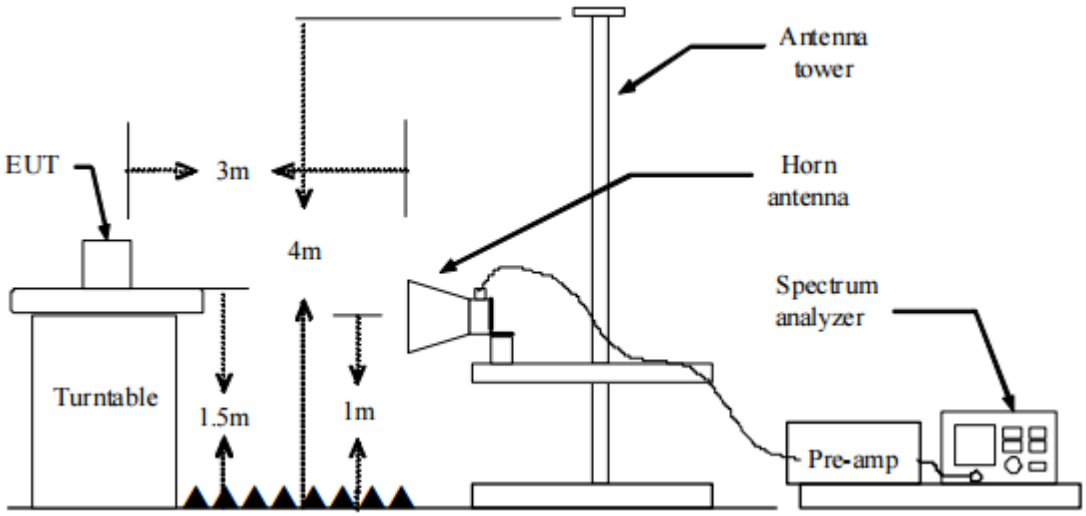
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 ㎑ to 30 ㎒ Emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 ㎒ to 1 ㎓ emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 ㎓ to the tenth harmonic of the highest fundamental frequency or to 40 ㎓ emissions, whichever is lower.



Test procedure

Radiated emissions from the EUT were measured according to the dictates in section 11.11 & 11.12 of ANSI C63.10-2013.

Test procedure below 30 ㎒

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel, ground parallel and perpendicular of the antenna are set to make the measurement. It was determined that **parallel** was worst-case orientation; therefore, all final radiated testing was performed with the EUT in **parallel.**
3. For each suspected emission, the EUT was arranged to its worst case and then the table was turned from 0 degrees to 360 degrees to find the maximum reading.
4. The test-receiver system was set to average or quasi peak detect function and Specified Bandwidth with Maximum hold mode.

Test procedure above 30 ㎒

1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The antenna is a bi-log antenna, a horn antenna ,and its height are varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
4. The test receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

5. Spectrum analyzer settings for f < 1 ㎓:
   ① Span = wide enough to fully capture the emission being measured
   ② RBW = 100 ㎑
   ③ VBW ≥ RBW
   ④ Detector = quasi peak
   ⑤ Sweep time = auto
   ⑥ Trace = max hold
6. Spectrum analyzer settings for f ≥1 ㎓: Peak
   ① Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
   ② RBW = 1 ㎒
   ③ VBW ≥ 3 ㎒
   ④ Detector = peak
   ⑤ Sweep time = auto
   ⑥ Trace = max hold
   ⑦ Trace was allowed to stabilize

7. Spectrum analyzer settings for $f \geq 1$ ㎓: Average
   ① Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
   ② RBW = 1 ㎒
   ③ VBW ≥ 3 × RBW
   ④ Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
   ⑤ Averaging type = power(i.e., RMS)
      1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
      2) Some instruments require linear display mode in order to use linear voltage averaging. Log or ㏈ averaging shall not be used.
   ⑥ Sweep = auto
   ⑦ Trace = max hold
   ⑧ Perform a trace average of at least 100 traces.
   ⑨ A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
      1) If power averaging (RMS) mode was used in step ⑤, then the applicable correction factor is 10 log(1/x), where x is the duty cycle.
      2) If linear voltage averaging mode was used in step ⑤, then the applicable correction factor is 20 log(1/x), where x is the duty cycle.
      3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

Note.

1. f <30 ㎒, extrapolation factor of 40 ㏈/decade of distance. $F_d = 40\log(D_m/Ds)$
   f ≥30 ㎒, extrapolation factor of 20 ㏈/decade of distance. $F_d = 20\log(D_m/Ds)$
   Where:
   F_d = Distance factor in ㏈
   D_m = Measurement distance in meters
   D_s = Specification distance in meters
2. Field strength(㏈㎶/m) = Level(㏈㎶) + CF (㏈) + or DCF(㏈)
3. Margin(㏈) = Limit(㏈㎶/m) - Field strength(㏈㎶/m)
4. Emissions below 18 ㎓ were measured at a 3 meter test distance while emissions above 18 ㎓ were measured at a 1 meter test distance with the application of a distance correction factor.
7. The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z, it was determined that **X orientation** was worst-case orientation; therefore, all final radiated testing was performed with the EUT in **X orientation.**
8. The worst-case emissions are reported however emissions whose levels were not within 20 ㏈ of respective limits were not reported.
9. According to exploratory test no any obvious emission were detected from 9 ㎑ to 30 ㎒. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30 m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Limit

According to 15.209(a), for an intentional radiator devices, the general required of field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values：

Frequency (㎒)	Distance (Meters)	Radiated (㎶/m)
0.009 ~ 0.490	300	2 400 / F(㎑)
0.490 ~ 1.705	30	24 000 / F(㎑)
1.705 ~ 30.0	30	30
30 ~ 88	3	100**
88 ~ 216	3	150**
216 ~ 960	3	200**
Above 960	3	500

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54 ~ 72 ㎒, 76 ~ 88 ㎒, 174 ~ 216 ㎒ or 470 ~ 806 ㎒. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

Duty cycle

Regarding to KDB 558074 D01_v04, 6.0, the maximum duty cycles of all modes were investigated and set the spectrum analyzer as below.

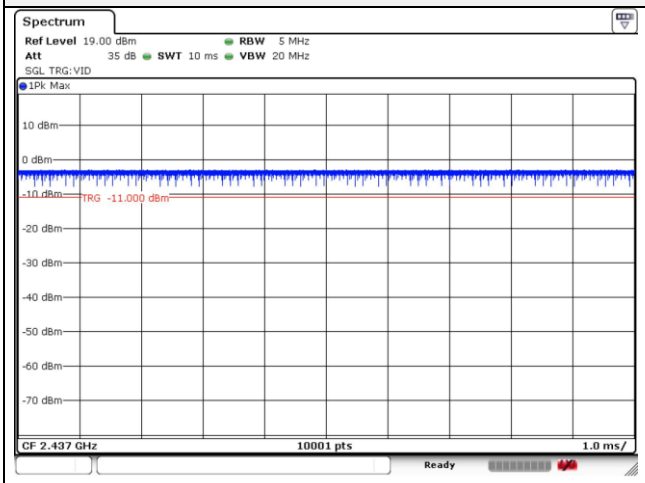
Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100.

Test mode	T_{on} time (㎳)	Period (㎳)	Duty cycle (Linear)	Duty cycle (%)	Duty cycle correction factor (㏈)
LE 1Mbps	2.10	2.50	0.84	84	0.76
802.11b	10	10	1.00	100	0
802.11g	10	10	1.00	100	0
802.11n(HT20)	10	10	1.00	100	0
802.11n(HT40)	10	10	1.00	100	0

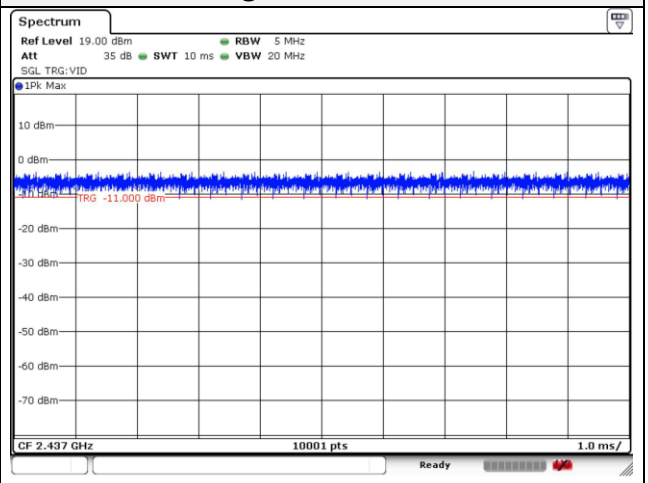
Duty cycle (Linear) = T_{on} time/Period

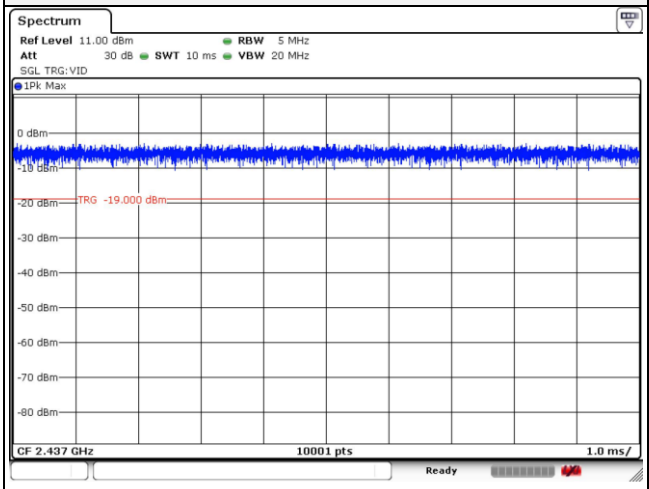
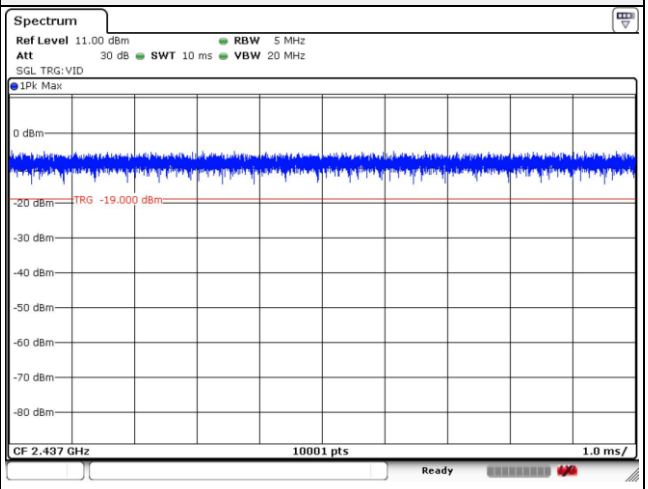
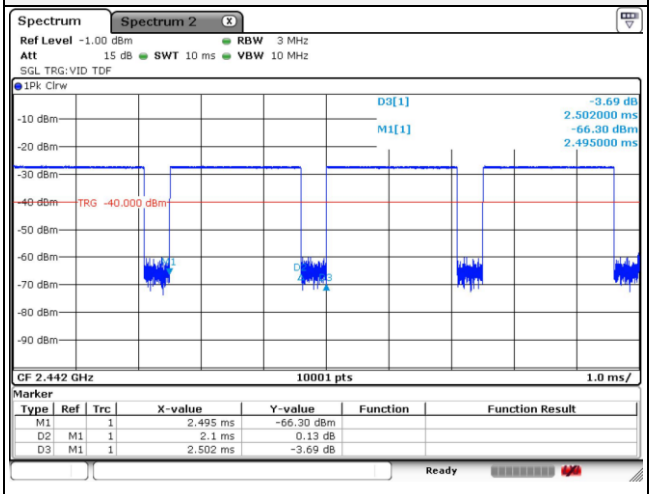
DCF(Duty cycle correction factor (㏈)) = 10log(1/duty cycle)

802.11b // Middle channel



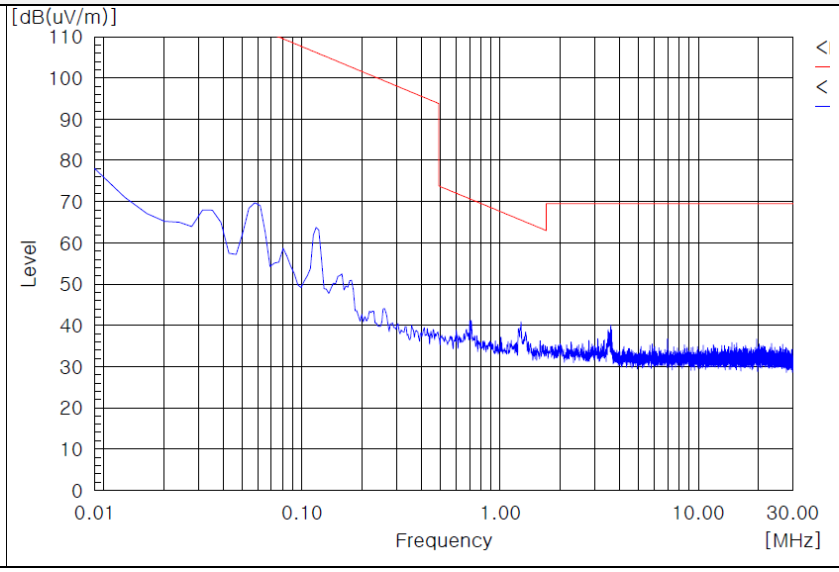
802.11g // Middle channel



802.11n(HT20) // Middle channel	802.11n(HT40) // Middle channel
	
LE 1Mbps // Middle channel	**-**
	**N/A**

Test results (Below 30 ㎒)

Mode:	LE
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	39(Worst case)

Horizontal	
	

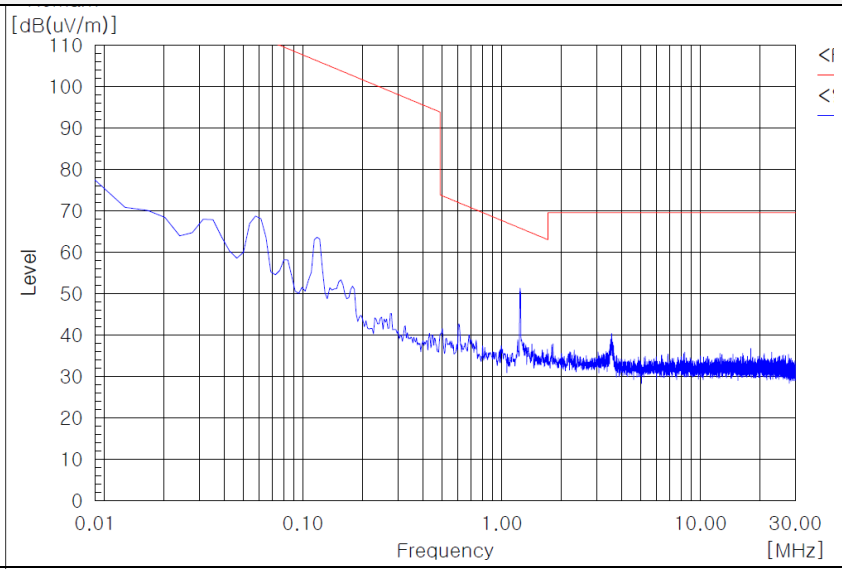
Note.

1. No spurious emission were detected under 30 ㎒

Test results (Below 30 ㎒)

Mode:	802.11b
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	06(Worst case)

Horizontal



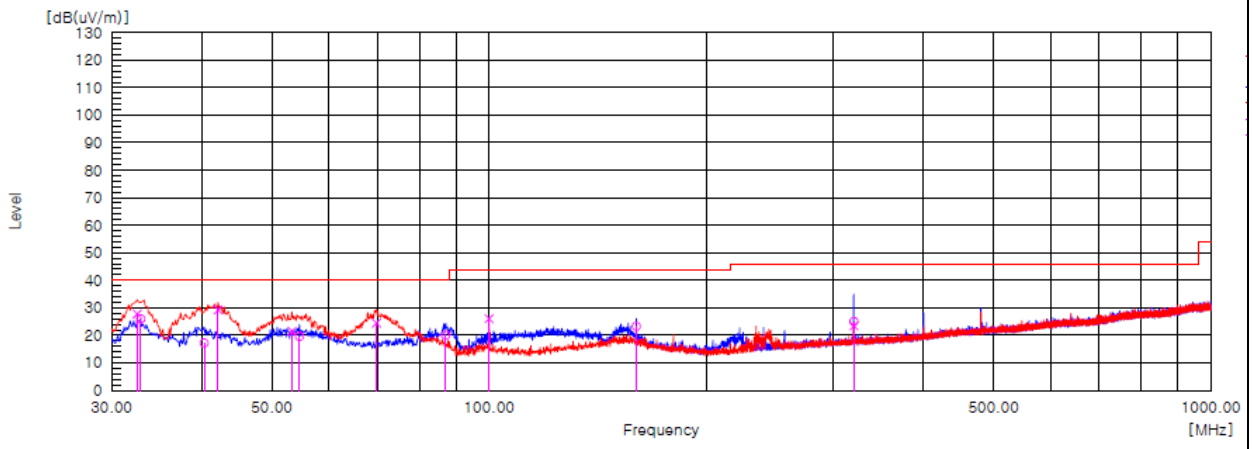
Note.

1. No spurious emission were detected under 30 ㎒

Test results (Below 1 000 ㎒)

Mode:	LE
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	39(Worst case)

Horizontal // Vertical



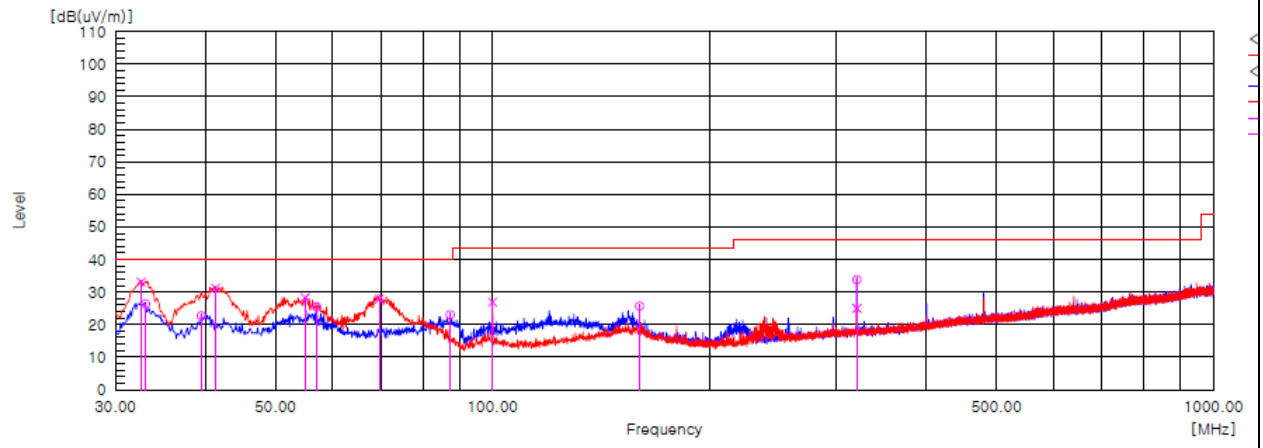
Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	32.546	V	41.7	-13.9	27.8	40.0	12.2	114.0	226.6	
2	32.910	H	39.8	-13.9	25.9	40.0	14.1	236.0	345.2	
3	40.306	H	30.3	-13.1	17.2	40.0	22.8	171.0	292.5	
4	42.125	V	42.1	-12.9	29.2	40.0	10.8	181.0	116.3	
5	53.280	V	34.1	-12.6	21.5	40.0	18.5	204.0	199.3	
6	54.614	H	32.3	-12.7	19.6	40.0	20.4	156.0	309.3	
7	69.770	V	39.0	-14.5	24.5	40.0	15.5	102.0	162.3	
8	87.109	H	38.1	-18.1	20.0	40.0	20.0	233.0	314.4	
9	99.961	V	43.7	-17.6	26.1	43.5	17.4	100.0	90.0	
10	159.980	H	36.0	-12.7	23.3	43.5	20.2	200.3	30.9	
11	320.030	H	36.7	-11.7	25.0	46.0	21.0	387.0	155.4	
12	320.030	V	35.1	-11.7	23.4	46.0	22.6	170.0	136.7	

Test results (Below 1 000 ㎒)

Mode:	802.11b
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	06(Worst case)

Horizontal // Vertical



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	32.546	V	47.0	-13.9	33.1	40.0	6.9	102.0	237.9	
2	33.031	H	40.3	-13.9	26.4	40.0	13.6	384.0	5.6	
3	39.458	H	35.9	-13.2	22.7	40.0	17.3	382.0	232.3	
4	41.276	V	44.3	-13.0	31.3	40.0	8.7	150.3	83.9	
5	54.978	V	41.0	-12.7	28.3	40.0	11.7	112.0	206.2	
6	57.039	H	38.1	-12.7	25.4	40.0	14.6	394.0	308.2	
7	69.649	V	42.3	-14.4	27.9	40.0	12.1	131.0	141.3	
8	87.351	H	41.1	-18.1	23.0	40.0	17.0	199.7	297.4	
9	99.961	V	44.5	-17.6	26.9	43.5	16.6	127.0	67.2	
10	159.980	H	38.4	-12.7	25.7	43.5	17.8	227.0	344.6	
11	320.030	H	45.5	-11.7	33.8	46.0	12.2	115.0	151.8	
12	320.030	V	36.7	-11.7	25.0	46.0	21.0	150.3	140.5	

Test results (Above 1 000 ㎒)

Mode:	LE
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	00

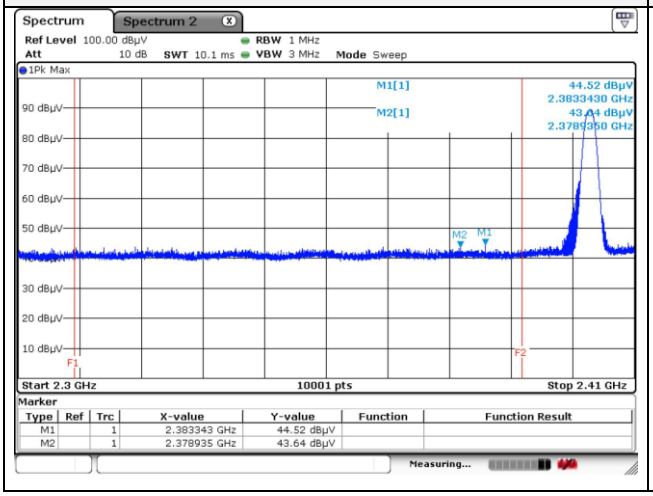
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 028.30	44.82	Peak	V	-11.01	-	33.81	74.00	40.19
1 038.50	45.05	Peak	V	-10.96	-	34.09	74.00	39.91
1 120.29	44.55	Peak	H	-10.52	-	34.03	74.00	39.97
1 259.87	43.85	Peak	H	-9.78	-	34.07	74.00	39.93

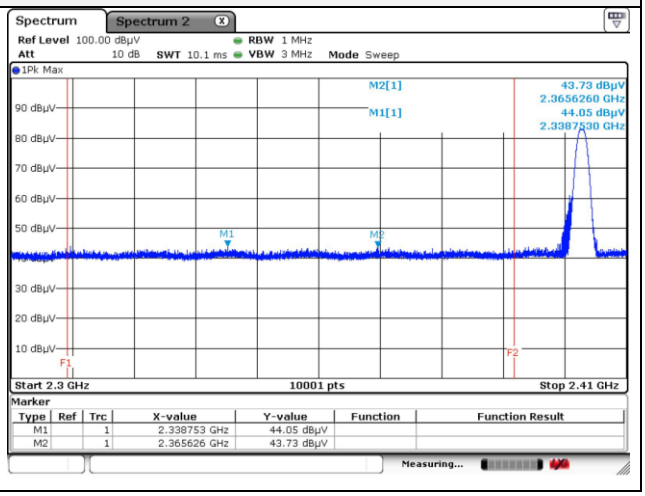
- **Band edge**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 338.75	44.05	Peak	V	2338.75	-	41.06	74.00	32.94
2 365.63	43.73	Peak	V	2365.63	-	40.86	74.00	33.14
2 378.94	43.64	Peak	H	2378.94	-	40.83	74.00	33.17
2 383.34	44.52	Peak	H	2383.34	-	41.73	74.00	32.27

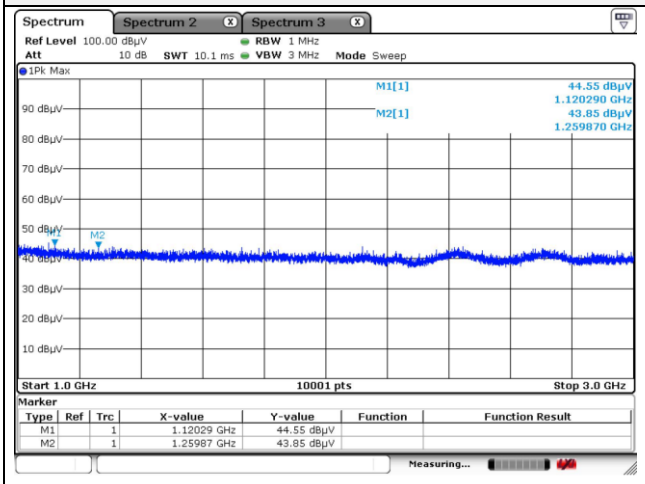
Restricted band // Horizontal // Peak



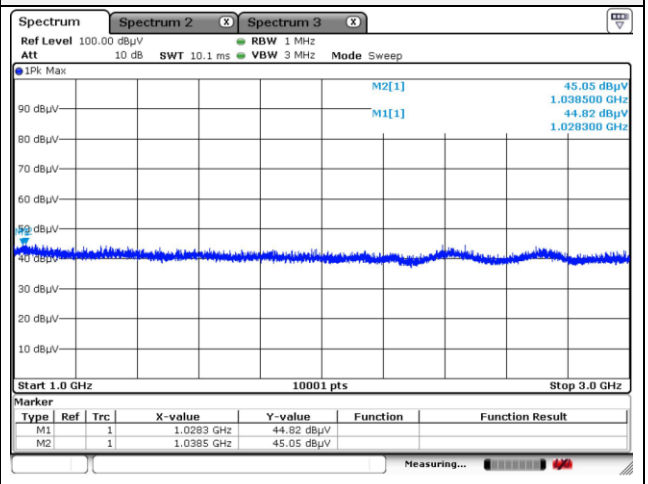
Restricted band // Vertical // Peak



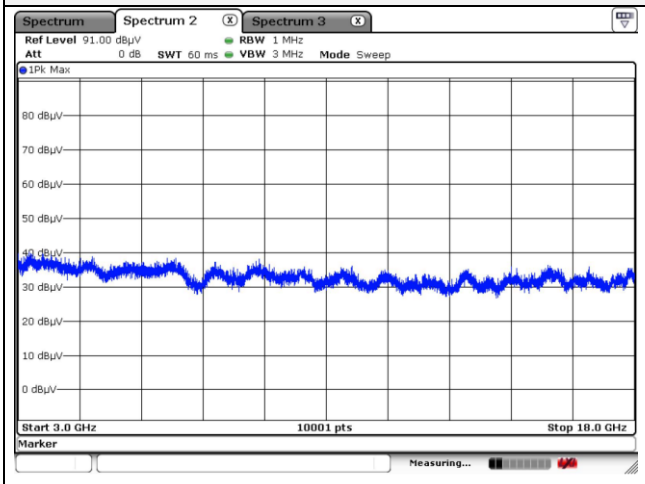
Horizontal // Peak for 1 ㎓ to 3 ㎓



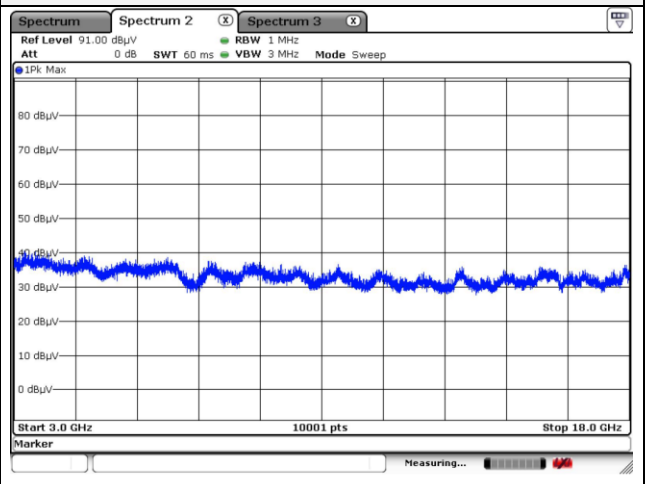
Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓



Vertical // Peak for 3 ㎓ to 18 ㎓



Note.

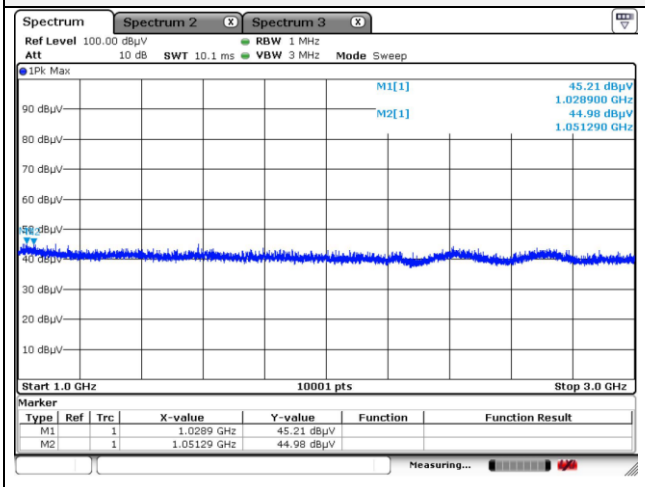
1. No spurious emission were detected above 3 ㎓.
2. Average test would be performed if the peak result were greater than the average limit.

Mode:	LE
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	20

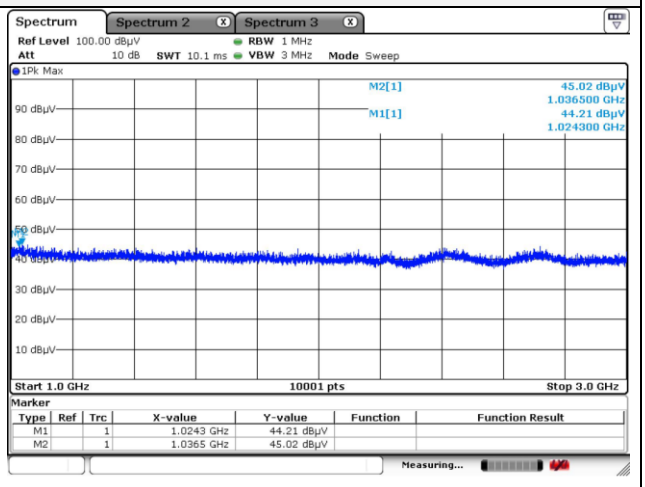
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 024.30	44.21	Peak	V	-11.03	-	33.18	74.00	40.82
1 028.90	45.21	Peak	H	-11.01	-	34.20	74.00	39.80
1 036.50	45.02	Peak	V	-10.97	-	34.05	74.00	39.95
1 051.29	44.98	Peak	H	-10.89	-	34.09	74.00	39.91

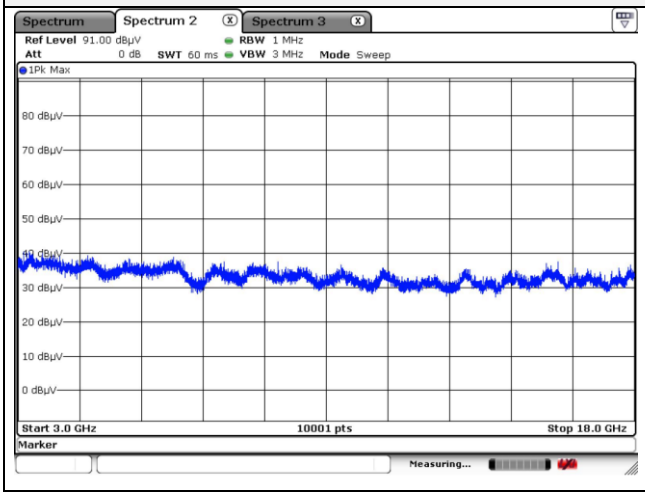
Horizontal // Peak for 1 ㎓ to 3 ㎓



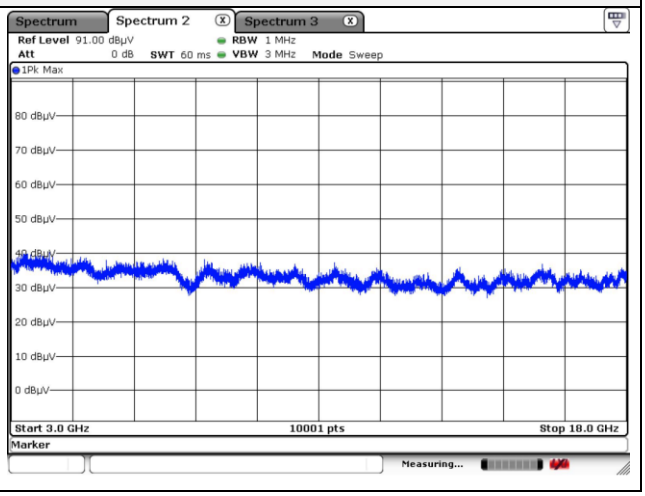
Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓



Vertical // Peak for 3 ㎓ to 18 ㎓



Note.

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

Mode:	LE
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	39

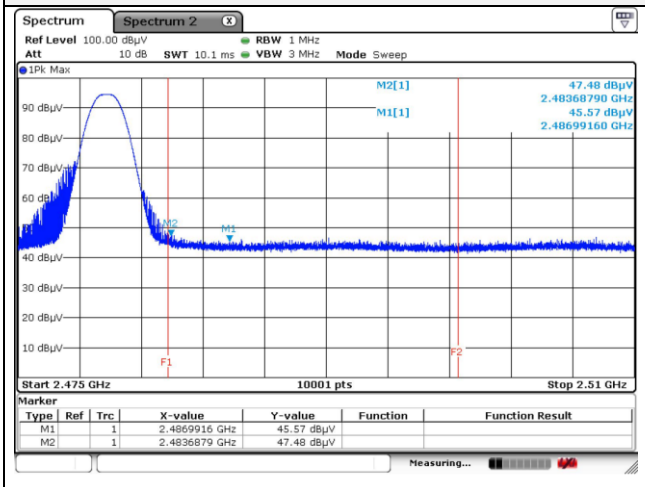
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 025.30	44.56	Peak	H	-11.03	-	33.53	74.00	40.47
1 039.50	45.47	Peak	V	-10.95	-	34.52	74.00	39.48
1 133.49	44.39	Peak	V	-10.45	-	33.94	74.00	40.06
2 672.33	43.42	Peak	H	-1.83	-	41.59	74.00	32.41

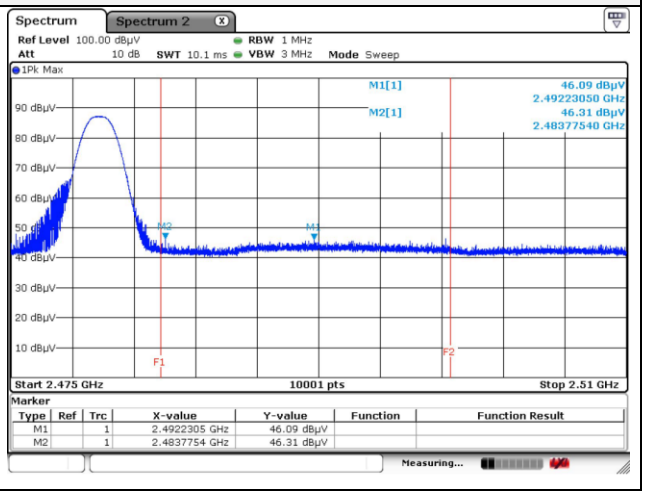
- **Band edge**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 483.69	47.48	Peak	H	-2.40	-	45.08	74.00	28.92
2 483.78	46.31	Peak	V	-2.40	-	43.91	74.00	30.09
2 486.99	45.57	Peak	H	-2.39	-	43.18	74.00	30.82
2 492.23	46.09	Peak	V	-2.37	-	43.72	74.00	30.28

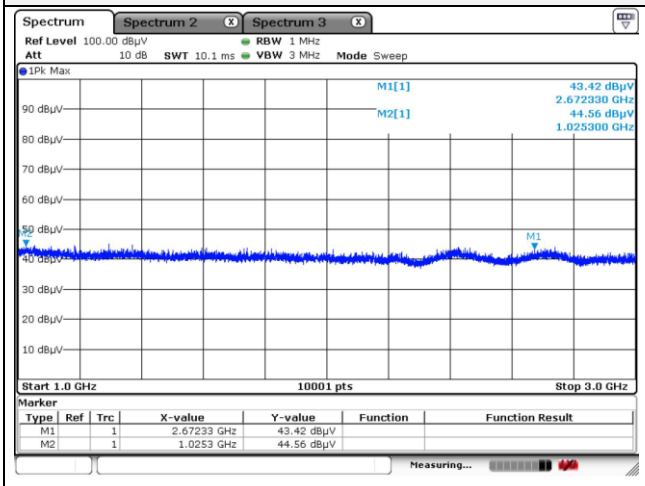
Restricted band // Horizontal // Peak



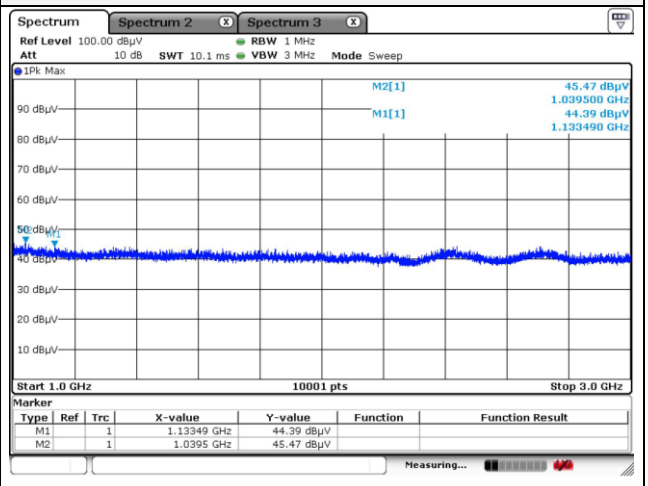
Restricted band // Vertical // Peak



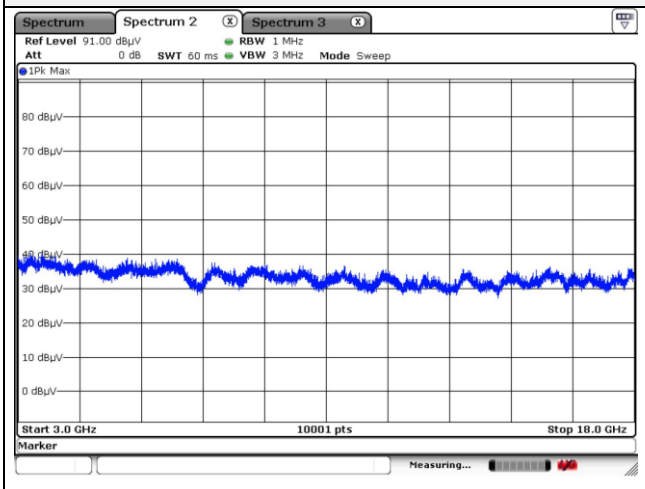
Horizontal // Peak for 1 ㎓ to 3 ㎓



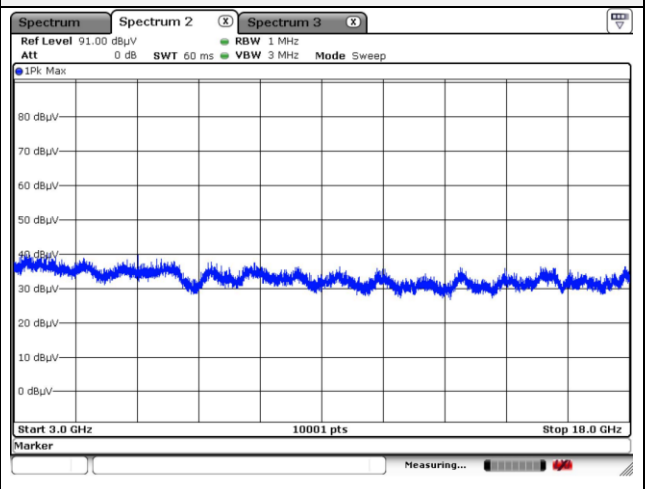
Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓



Vertical // Peak for 3 ㎓ to 18 ㎓

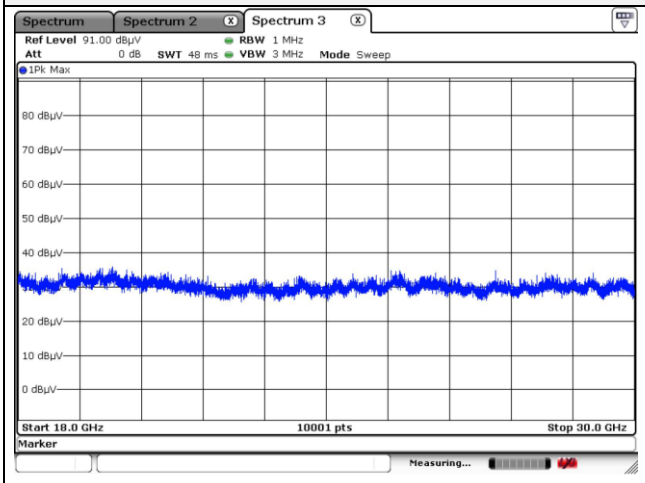
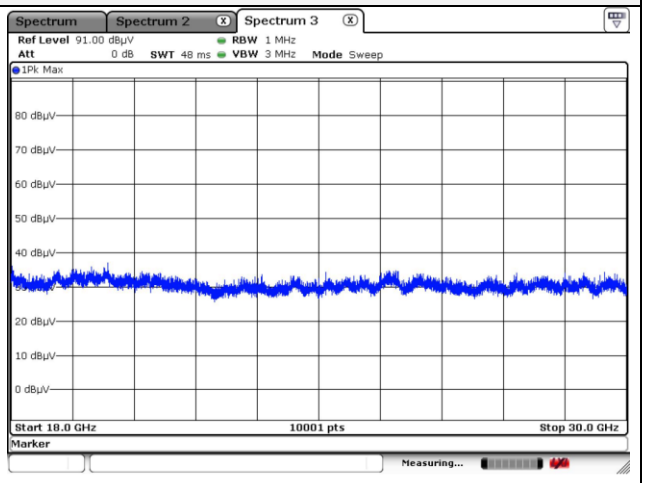


Note.

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

Test results (18 ㎓ to 30 ㎓)

Mode:	LE
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	39(Worst case)

Horizontal	Vertical
	

Note.

1. No spurious emission were detected above 18 ㎓.

Test results (Above 1 000 ㎒)

Mode:	802.11b
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	01

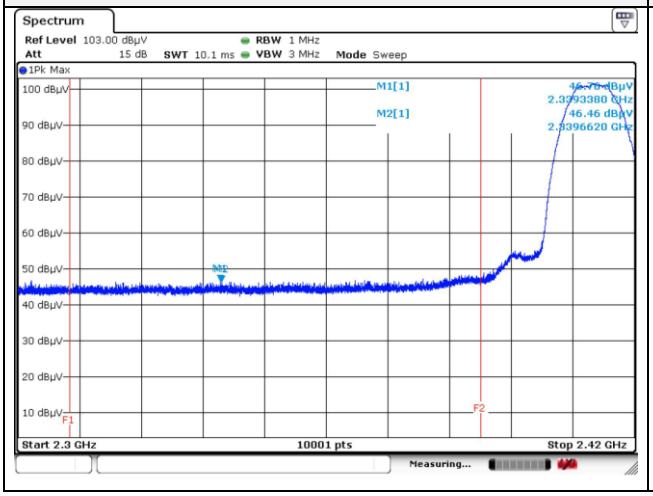
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 024.70	45.62	Peak	H	-11.03	-	34.59	74.00	39.41
1 040.10	45.23	Peak	V	-10.95	-	34.28	74.00	39.72
1 328.87	45.20	Peak	H	-9.41	-	35.79	74.00	38.21
1 733.03	49.09	Peak	V	-6.61	-	42.48	74.00	31.52

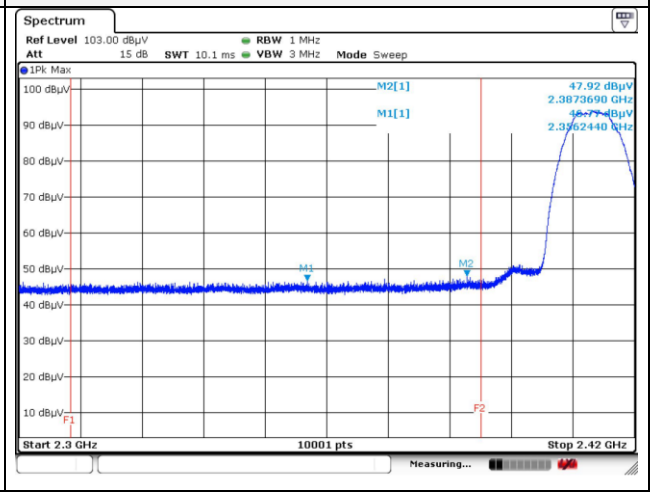
- **Band edge**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 339.34	46.76	Peak	H	-2.98	-	43.78	74.00	30.22
2 339.66	46.46	Peak	H	-2.98	-	43.48	74.00	30.52
2 356.24	46.77	Peak	V	-2.91	-	43.86	74.00	30.14
2 387.37	47.92	Peak	V	-2.78	-	45.14	74.00	28.86

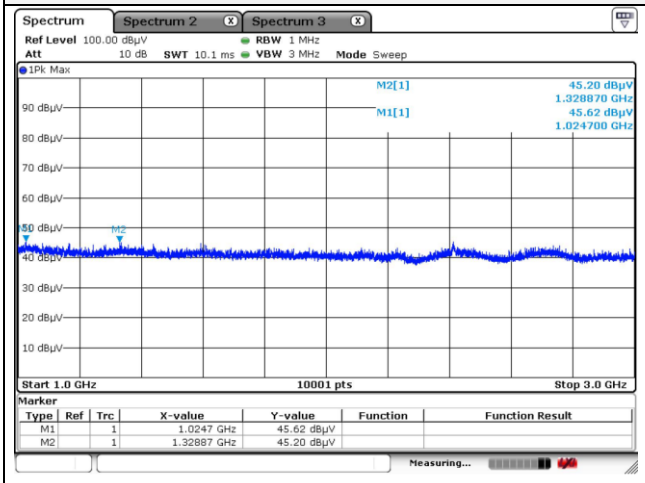
Restricted band // Horizontal // Peak



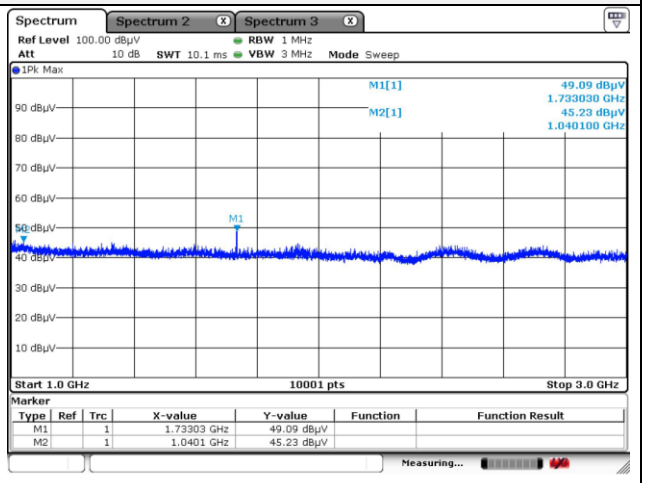
Restricted band // Vertical // Peak



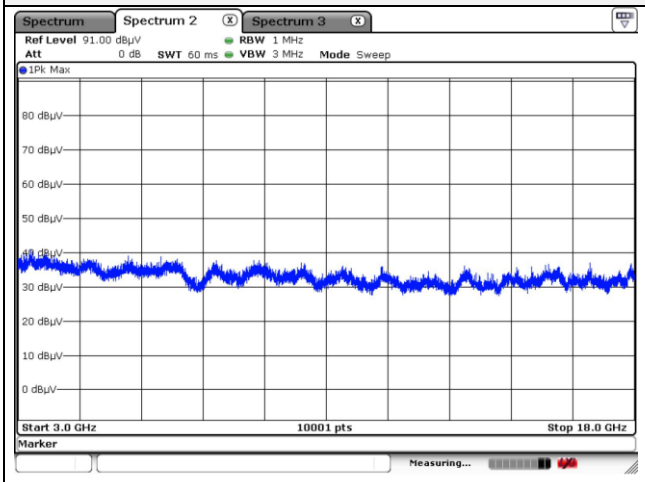
Horizontal // Peak for 1 ㎓ to 3 ㎓



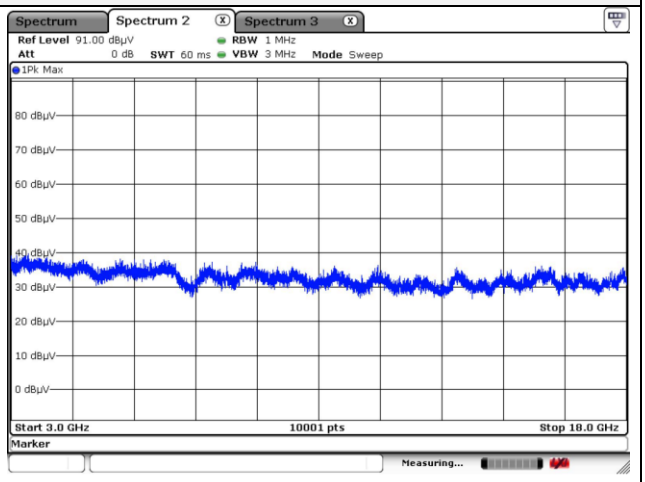
Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓



Vertical // Peak for 3 ㎓ to 18 ㎓



Note.

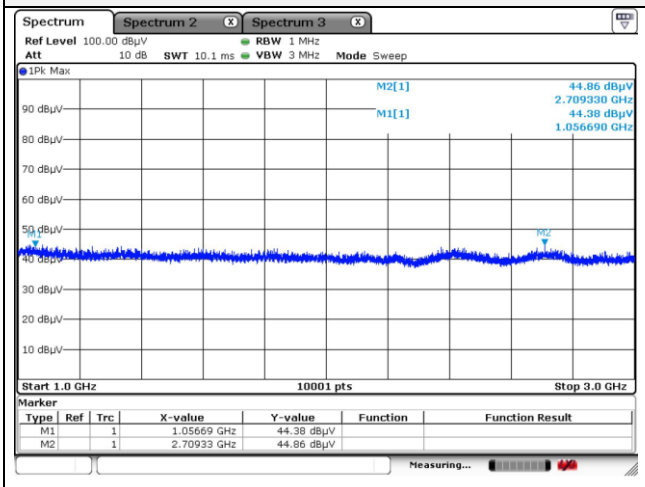
1. No spurious emission were detected above 3 ㎓.
2. Average test would be performed if the peak result were greater than the average limit.

Mode:	802.11b
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	06

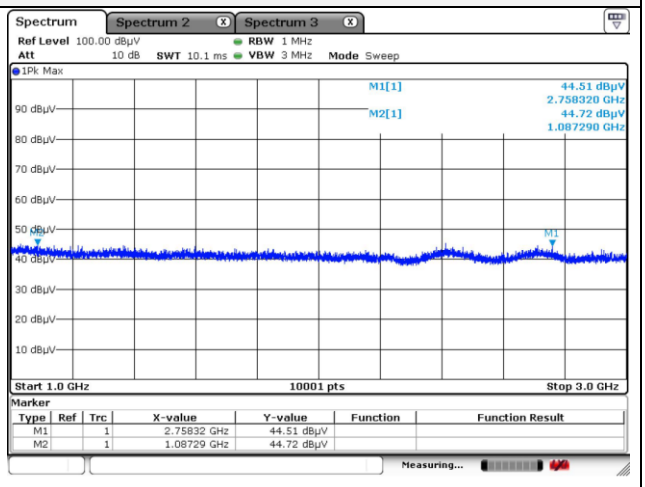
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 056.69	44.38	Peak	H	-10.86	-	33.52	74.00	40.48
1 087.29	44.72	Peak	V	-10.70	-	34.02	74.00	39.98
2 709.33	44.86	Peak	H	-1.71	-	43.15	74.00	30.85
2 758.32	44.51	Peak	V	-1.55	-	42.96	74.00	31.04

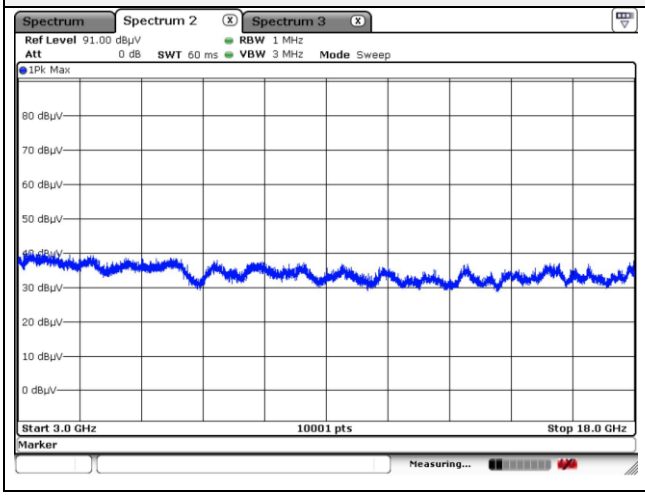
Horizontal // Peak for 1 ㎓ to 3 ㎓



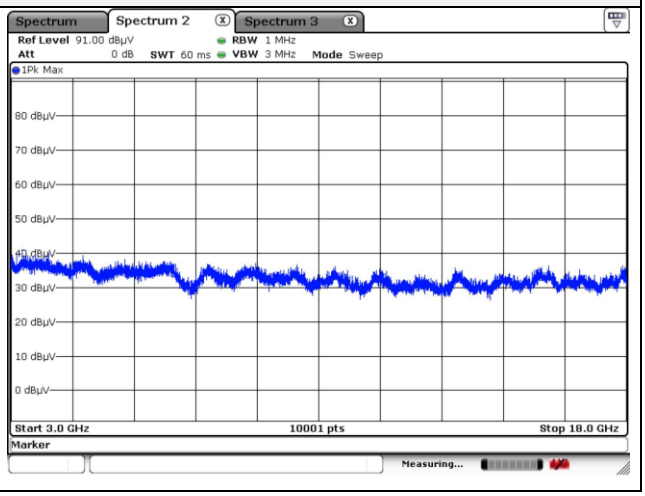
Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓



Vertical // Peak for 3 ㎓ to 18 ㎓



Note.

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

Mode:	802.11b
Transfer rate:	1 Mbps
Distance of measurement:	3 meter
Channel:	11

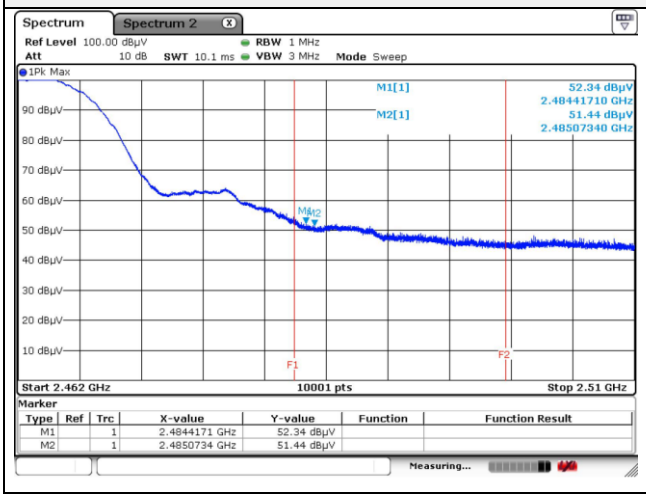
- **Spurious**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
1 017.50	45.17	Peak	V	1017.50	-	34.10	74.00	39.90
1 029.30	44.51	Peak	H	1029.30	-	33.51	74.00	40.49
1 722.03	48.90	Peak	H	1722.03	-	42.20	74.00	31.80
2 723.33	44.19	Peak	V	2723.33	-	42.52	74.00	31.48

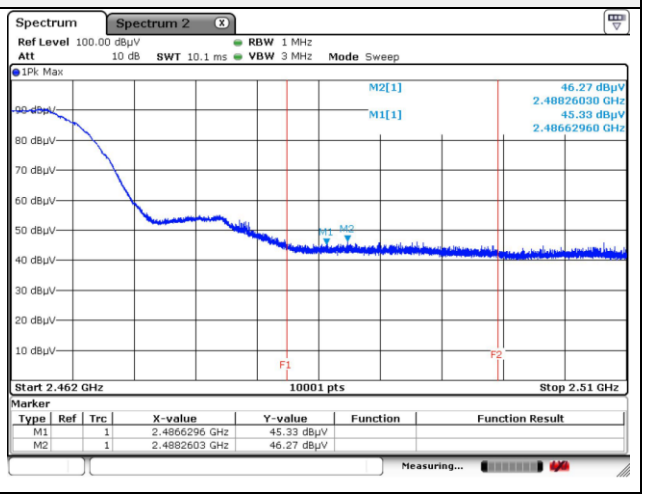
- **Band edge**

Frequency (㎒)	Level (dB㎶)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
2 484.42	52.34	Peak	H	-2.40	-	49.94	74.00	24.06
2 485.07	51.44	Peak	H	-2.39	-	49.05	74.00	24.95
2 486.63	45.33	Peak	V	-2.39	-	42.94	74.00	31.06
2 488.26	46.27	Peak	V	-2.38	-	43.89	74.00	30.11

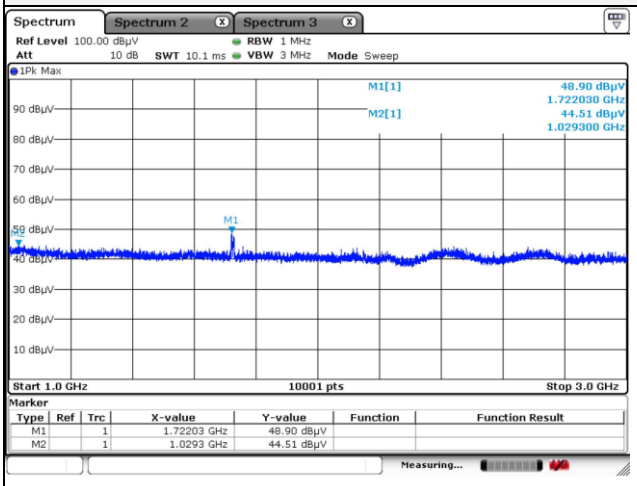
Restricted band // Horizontal // Peak



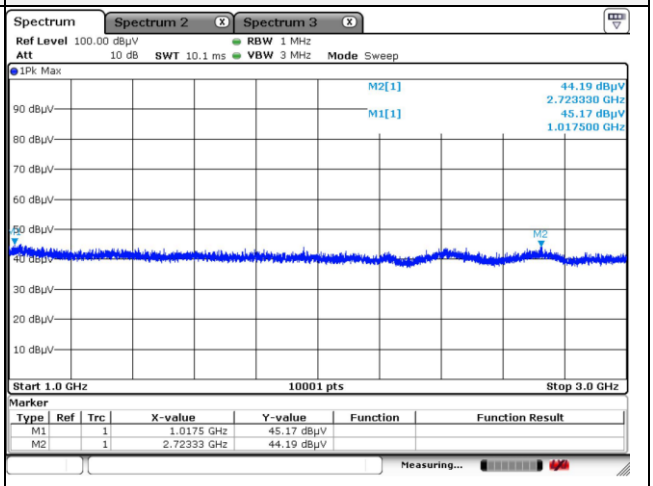
Restricted band // Vertical // Peak



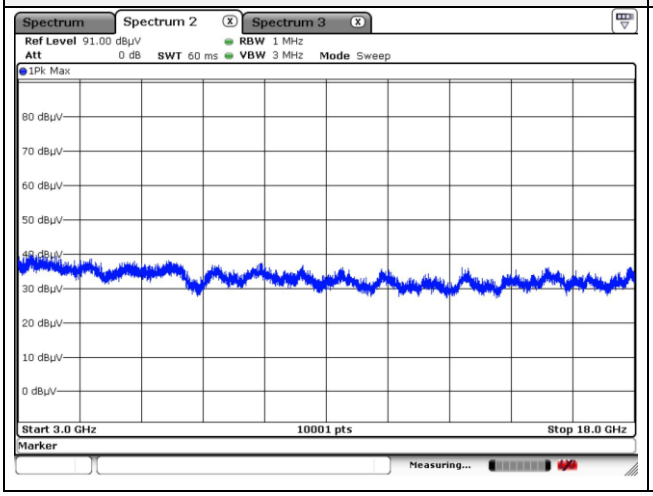
Horizontal // Peak for 1 ㎓ to 3 ㎓



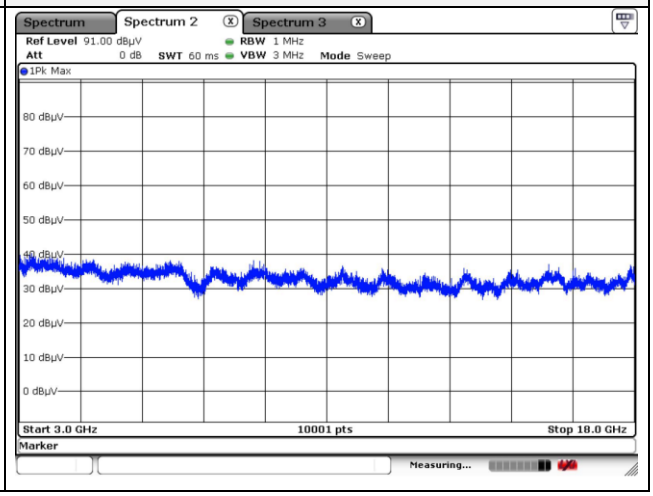
Vertical // Peak for 1 ㎓ to 3 ㎓



Horizontal // Peak for 3 ㎓ to 18 ㎓



Vertical // Peak for 3 ㎓ to 18 ㎓



Note.

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