



TEST REPORT



Report No. : KES-RF250775
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KES Co., Ltd.

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■ FCC TEST REPORT

1. Client

- Name : Sena Technologies Co., Ltd.
- Address : 19, Heolleung-ro 569-gil, Gangnam-gu, Seoul, South Korea

2. Sample Description

- Product item : Wireless Communication Systems
- Model name : WiFiCom Squad
- Manufacturer etc. : Sena Technologies Co., Ltd.

3. Date of test : 2025.11.24 ~ 2025.11.26

4. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

- Address : 473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, Korea

5. FCC Rule part(s) : Part 15 Subpart E 15.407

6. Test result : PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

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Affirmation	Tested by	Technical Manager
	Name : Gu-Bong, Kang (Signature)	Name : Yeong-Jun Cho (Signature)

[김구봉]2025/12/01

[조영준]2025/12/01

2025. 12. 01.

KES Co., Ltd.



REPORT REVISION HISTORY

Date	Test Report No.	Revision History
2025.12.01	KES-RF250775	Initial

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1. General information

Applicant: Sena Technologies Co., Ltd.
Applicant address: 19, Heolleung-ro 569-gil, Gangnam-gu, Seoul, South Korea
Test site: KES Co., Ltd.
Test site address: ☐ #3002, #3503, #3701, 40, Simin-daero365beon-gil,
Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Republic of Korea
☒ 473-21, Gayeo-ro, Yeoju-si, Gyeonggi-do, Korea
Test Facility: FCC Accreditation Designation No.: KR0100, Registration No.: 444148
FCC rule part(s): 15.407
FCC ID: S7A-SP185
Module FCC ID: VPYLBEE59B1LV
Test device serial No.: ☒ Production ☐ Pre-production ☐ Engineering

1.1. EUT description

Equipment under test: Wireless Communication Systems
Frequency range & Number of channels: 2 402 MHz ~ 2 480 MHz (BDR, EDR) : 79 ch
2 402 MHz ~ 2 480 MHz (LE 1 Mbps, LE 2 Mbps) : 4 ch
2 412 MHz ~ 2 462 MHz (802.11b/g/n_HT20) : 11 ch
UNII-1 5 180 MHz ~ 5 240 MHz (802.11a/n_HT20) : 4 ch
UNII-2A 5 260 MHz ~ 5 320 MHz (802.11a/n_HT20) : 4 ch
UNII-2C 5 500 MHz ~ 5 720 MHz (802.11a/n_HT20) : 12 ch
UNII-3 5 745 MHz ~ 5 825 MHz (802.11a/n_HT20) : 5 ch
Model: WiFiCom Squad
Modulation technique: DSSS, **OFDM**
Antenna specification: PCB Antenna // Peak gain: 2.4 GHz band : 0.9 dBi
5 GHz band : 2.0 dBi
Power source: DC 3.7 V (Battery)
Charging : AC 120 V (AC/DC Adapter output DC 5 V)
H/W version: 1.0
S/W version: 1.0
Serial Number: M10988



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1.2. Test configuration

The **Sena Technologies Co., Ltd. // Wireless Communication Systems // WiFiCom Squad**
// FCC ID: S7A-SP185 was tested according to the specification of EUT, the EUT must comply with following standards and KDB documents.

FCC Part 15.407
KDB 789033 D02 v02r01
ANSI C63.10-2020

1.3. Information about Variant model

N/A

1.4. Accessory information

Equipment	Manufacturer	Model	Serial No.	Power source
USB-C cable	-	-	-	-

1.5. Device modifications

N/A

1.6. Sample calculation

Where relevant, the following sample calculation is provided
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.

For Radiation test :

Field strength level (dB μ V/m) = Measured level (dB μ V) + Antenna factor (dB) + Cable loss (dB) – Amplifier gain (dB)

1.7. Measurement Uncertainty

Test Item		Uncertainty
Uncertainty for Conduction emission test		2.22 dB (SHIELD ROOM #6)
Uncertainty for Radiation emission test (include Fundamental emission)	Below 1 GHz	4.04 dB (SAC #6)
	Above 1 GHz	5.32 dB (SAC #5)
Note. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.		

1.8. Worst case data rate

1. Worst-case data rates were:

Mode	Data rate
802.11a	6 Mbps
802.11n_HT20	MCS0

**1.9. Frequency/channel operations**

Ch.	Frequency (MHz)	Rate(Mbps)
00	2 402	BDR 1 Mbps, EDR 2 Mbps, EDR 3 Mbps
.	.	.
40	2 442	BDR 1 Mbps, EDR 2 Mbps, EDR 3 Mbps
.	.	.
78	2 480	BDR 1 Mbps, EDR 2 Mbps, EDR 3 Mbps

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

Ch.	Frequency (MHz)	Mode
1	2 412	802.11b/g/n_HT20
.	.	.
6	2 437	802.11b/g/n_HT20
.	.	.
11	2 462	802.11b/g/n_HT20

UNII-1

Ch.	Frequency (MHz)
36	5 180
44	5 220
48	5 240

UNII-2A

Ch.	Frequency (MHz)
52	5 260
56	5 280
64	5 320

UNII-2C

Ch.	Frequency (MHz)
100	5 500
120	5 600
144	5 720

UNII-3

Ch.	Frequency (MHz)
149	5 745
157	5 785
165	5 825

802.11a/n_HT20



2. Summary of tests

Section in FCC Part 15	Parameter	Test results
15.407(a)	26 dB bandwidth & 99 % bandwidth	N/T ^{Note1}
15.407(a)	6 dB bandwidth	N/T ^{Note1}
15.407(a)	Maximum conducted output power	N/T ^{Note1}
15.407(a)	Power spectral density	N/T ^{Note1}
15.407(g)	Frequency stability	N/T ^{Note1}
15.205, 15.209, 15.407(b)	Radiated restricted band and emission	Pass
15.207(a)	AC conducted emissions	Pass
15.203	Antenna Requirement	Pass

Note.

1. It is equipped with an certified module and please refer to the module report for test results.
Module report No. : 1901WSU002-U2

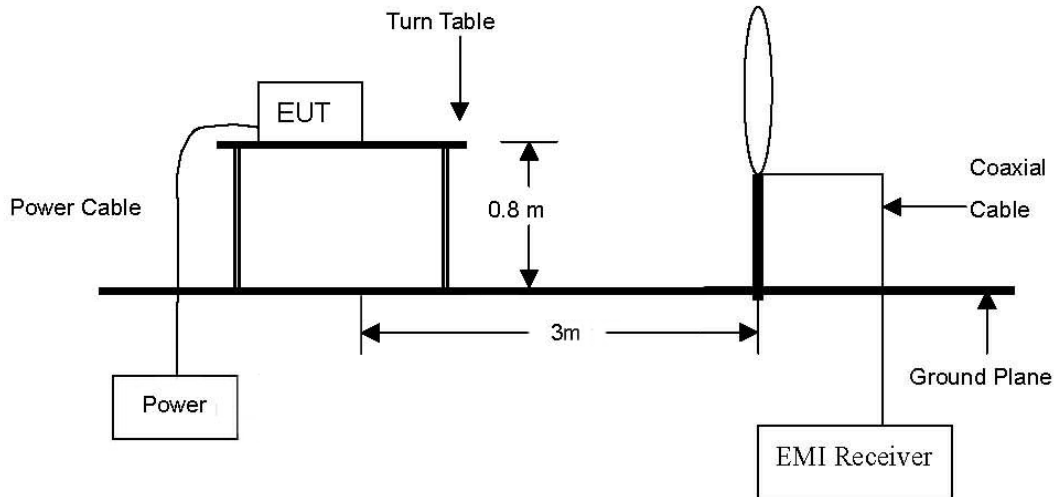


3. Test results

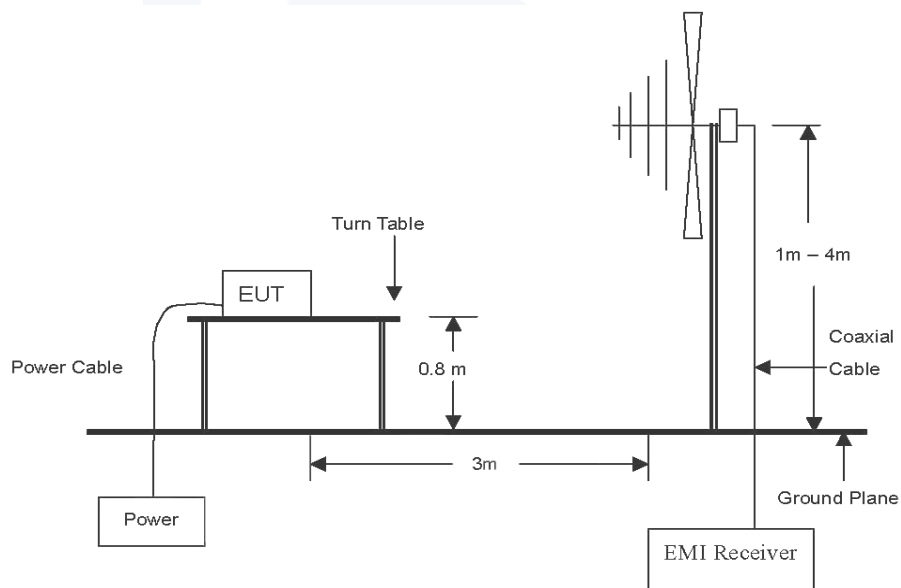
3.1. Radiated restricted band and emissions

Test setup

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

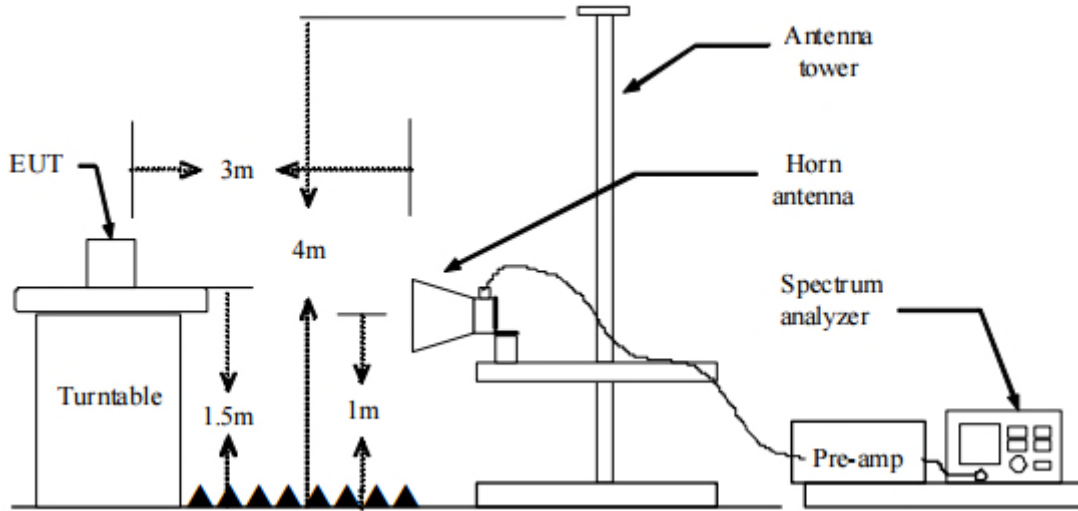


The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz emissions.





The diagram below shows the test setup that is utilized to make the measurements for emission from 1 GHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz 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 C63.10-2020.

Test procedure below 30 MHz

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 MHz

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground for 30 MHz-1 GHz and 1.5 meters for above 1 GHz 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 $f < 1$ GHz:
 - ① Span = wide enough to fully capture the emission being measured
 - ② RBW = 120 kHz
 - ③ VBW $\geq$ RBW
 - ④ Detector = quasi peak
 - ⑤ Sweep time = auto
 - ⑥ Trace = max hold



6. Spectrum analyzer settings for $f \geq 1$ GHz: Peak

- ① Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- ② RBW = 1 MHz
- ③ VBW ≥ 3 MHz
- ④ Detector = peak
- ⑤ Sweep time = auto
- ⑥ Trace = max hold
- ⑦ Trace was allowed to stabilize

7. Spectrum analyzer settings for $f \geq 1$ GHz: Average

- ① Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- ② RBW = 1 MHz
- ③ VBW $\geq 3 \times$ RBW
- ④ Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. 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 dB 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. $f < 30$ MHz, extrapolation factor of 40 dB/decade of distance. $F_d = 40\log(D_m/D_s)$
 $f \geq 30$ MHz, extrapolation factor of 20 dB/decade of distance. $F_d = 20\log(D_m/D_s)$
 Where:
 F_d = Distance factor in dB
 D_m = Measurement distance in meters
 D_s = Specification distance in meters
2. Field strength(dB μ V/m) = Level(dB μ V) + CF (dB) + or DCF(dB)
3. Margin(dB) = Limit(dB μ V/m) - Field strength(dB μ V/m)
4. Emissions below 18 GHz were measured at a 3 meter test distance while emissions above 18 GHz were measured at a 1 meter test distance with the application of a distance correction factor.
5. 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.
6. The worst-case emissions are reported however emissions whose levels were not within 20 dB of respective limits were not reported.
7. According to exploratory test no any obvious emission were detected from 9 kHz to 30 MHz. 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 (MHz)	Distance (Meters)	Radiated (μ V/m)
0.009 ~ 0.490	300	2400/F(kHz)
0.490 ~ 1.705	30	24000/F(kHz)
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 MHz, 76 ~ 88 MHz, 174 ~ 216 MHz or 470 ~ 806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.



According to 15.407(b), (b) Undesirable emission limits: Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p of –27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - i) All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm /MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm /MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
 - ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

**Duty cycle**

Regarding to KDB 789033 D02 v02r01, B)2)b), the maximum duty cycles of all modes were investigated and set the spectrum analyzer as below.

Set RBW $\geq$ 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 $> 50/T$, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100.

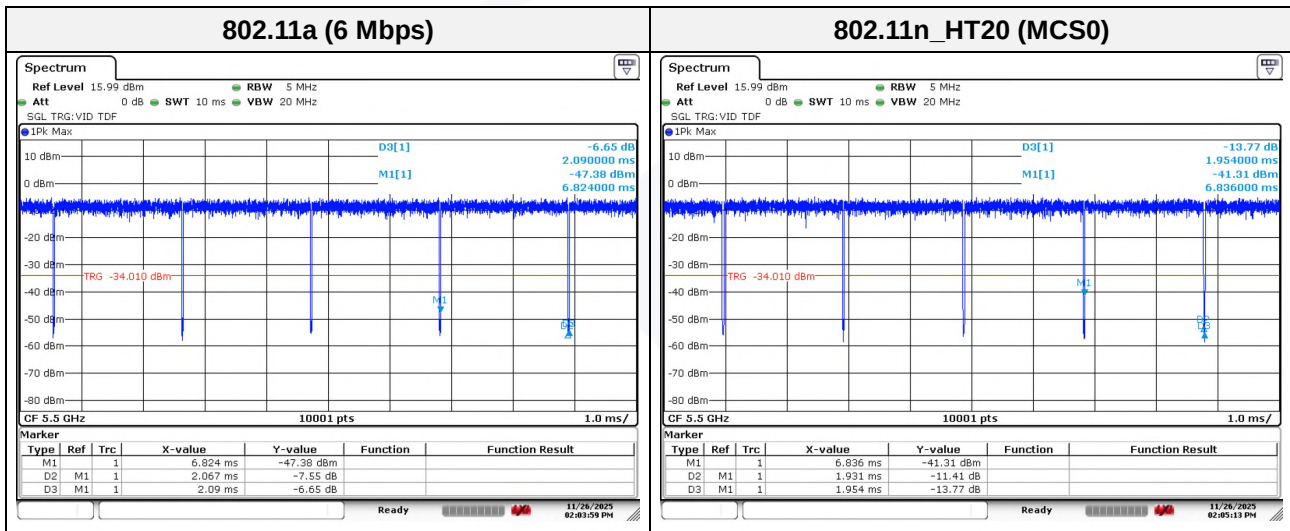
For the band 5.150-5.850 GHz

Test mode	T _{on} time (ms)	Period (ms)	Duty cycle (Linear)	Duty cycle (%)	Duty cycle correction factor (dB)
802.11a	2.067	2.090	0.99	98.90	-
802.11n_HT20	1.931	1.954	0.99	98.82	-

Note:

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

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

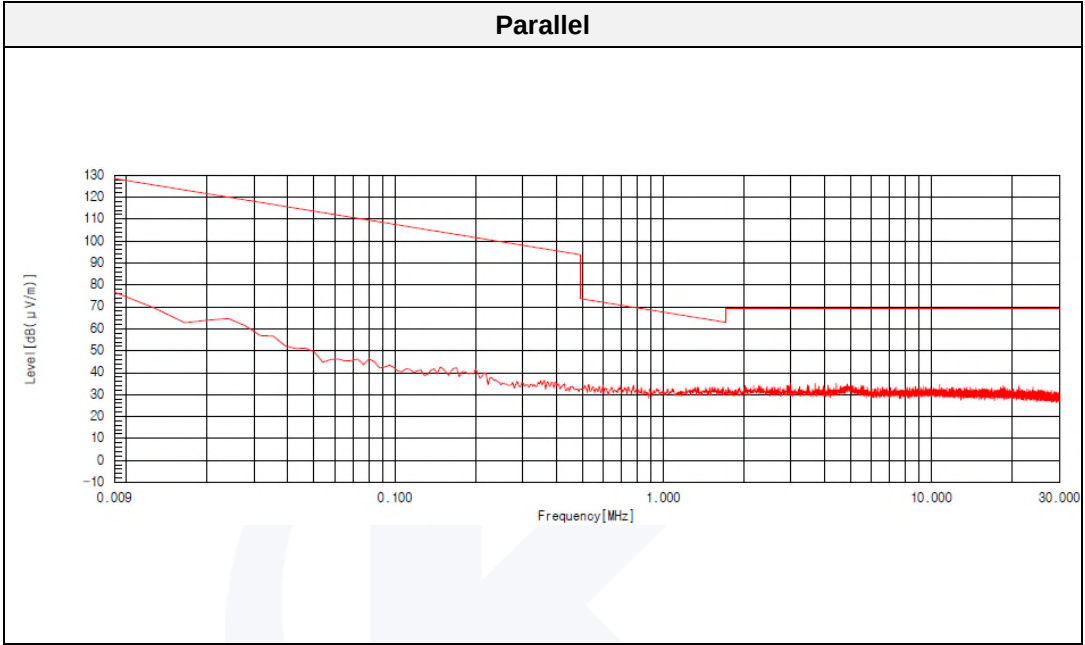
**Note.**

1. Tested with the maximum duty that can be set on the EUT.



Test results (Below 30 MHz)

Mode 802.11a (6 Mbps) (Worst case)
Distance of measurement: 3 meter
Channel 149 (Worst Case)



Note.

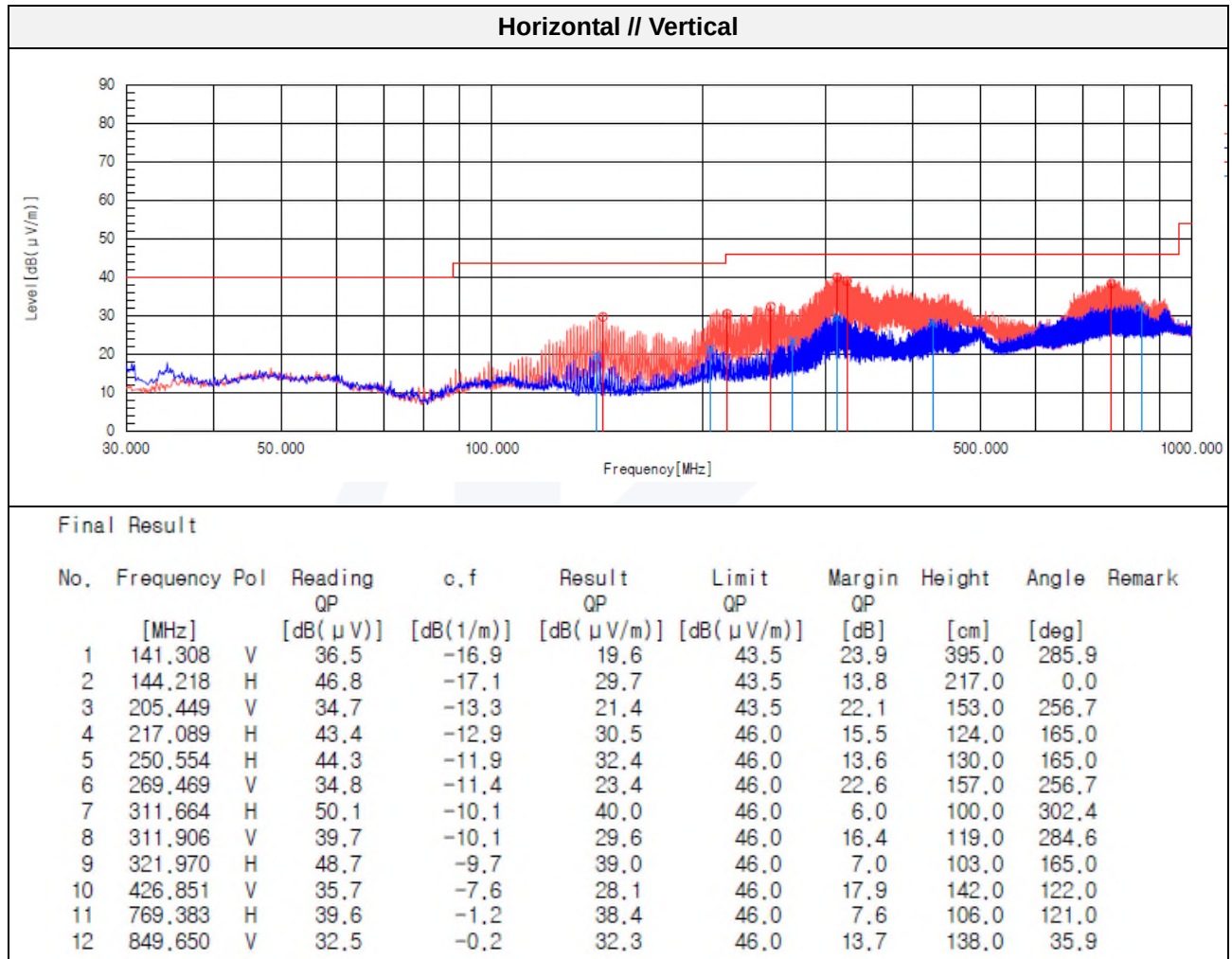
1. No spurious emission were detected under 30 MHz. Above data is peak result.

**Test results (Below 1 000 MHz)**

Mode 802.11a (6 Mbps) (Worst case)

Distance of measurement: 3 meter

Channel 149 (Worst Case)



**Test results (Above 1 000 MHz)**

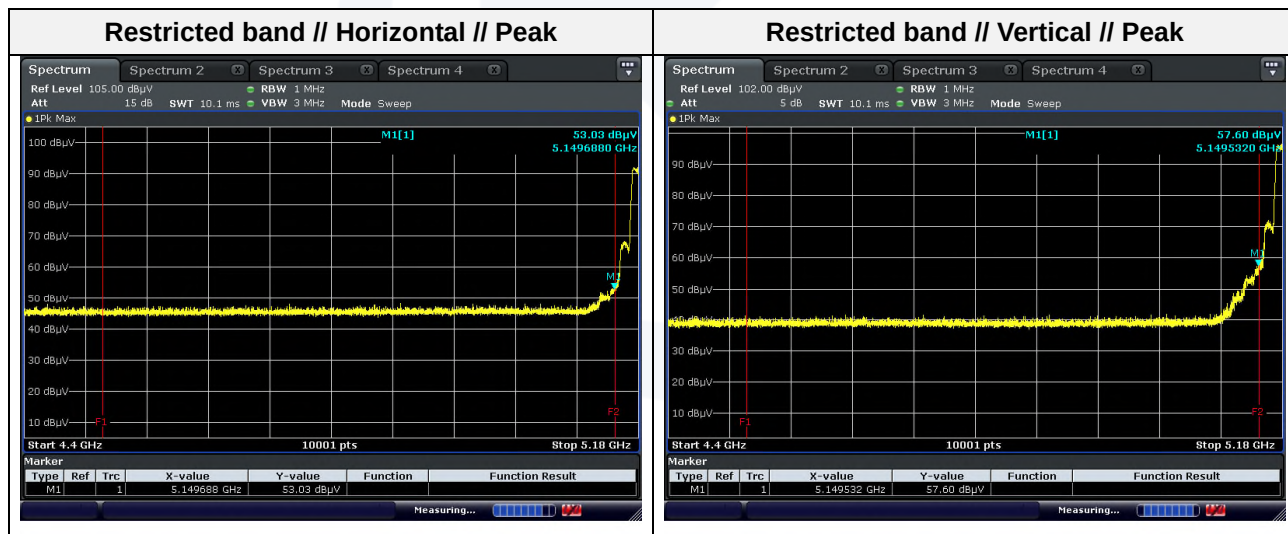
Mode: 802.11a (6 Mbps)
Distance of measurement: 3 meter
Channel: UNII-1 / 36

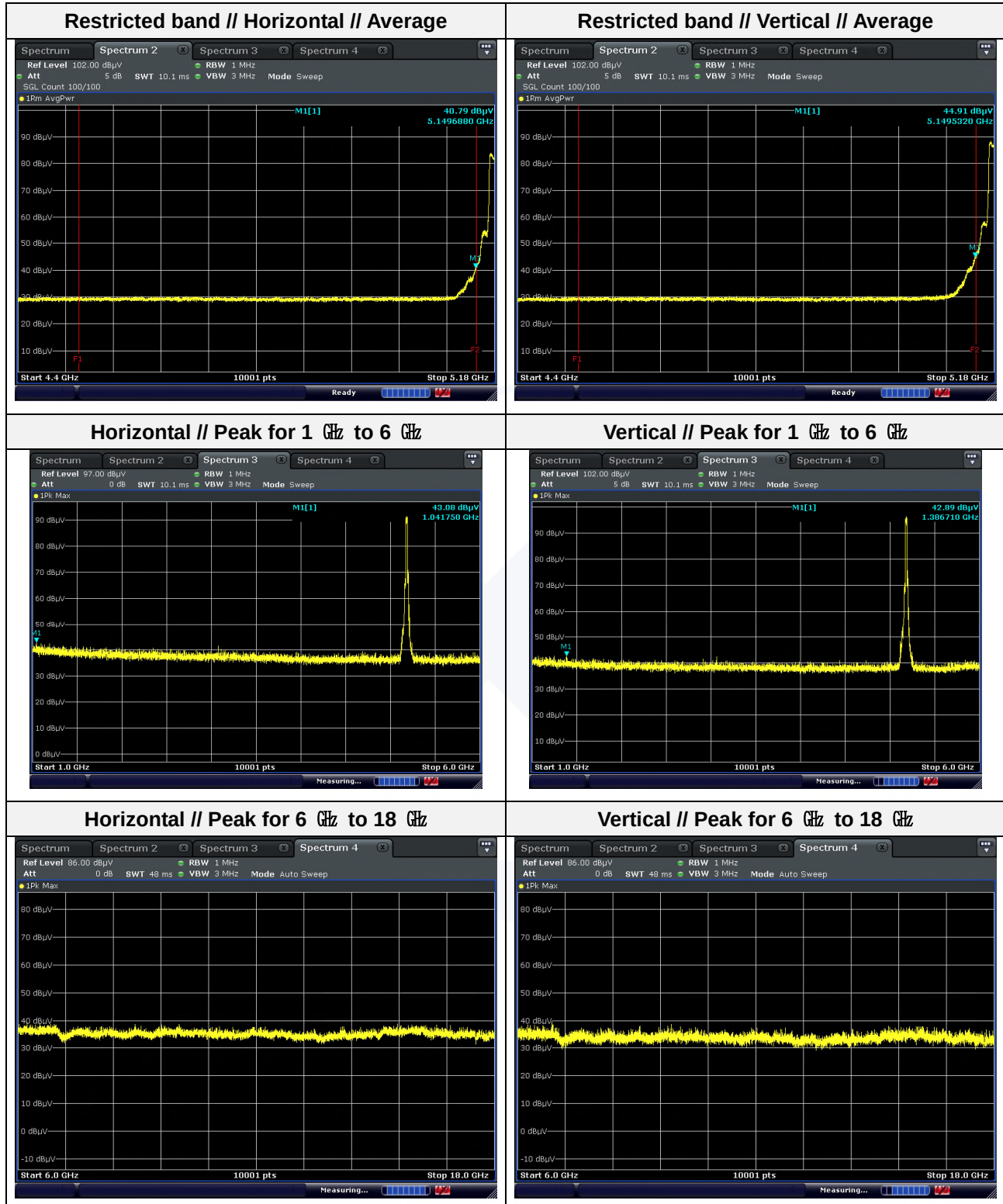
- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 041.75	43.08	Peak	H	-7.90	-	35.18	74.00	38.82
1 386.71	42.89	Peak	V	-5.60	-	37.29	74.00	36.71

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
5 149.53	57.60	Peak	V	7.54	-	65.14	74.00	8.86
5 149.53	44.91	Average	V	7.54	-	52.45	54.00	1.55
5 149.69	53.03	Peak	H	7.54	-	60.57	74.00	13.43
5 149.69	40.79	Average	H	7.54	-	48.33	54.00	5.67





Note.

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

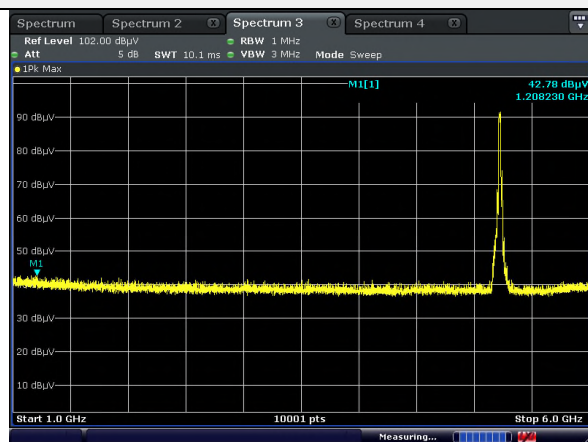
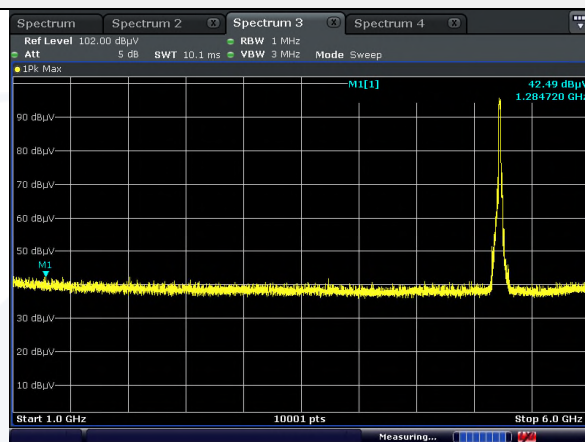
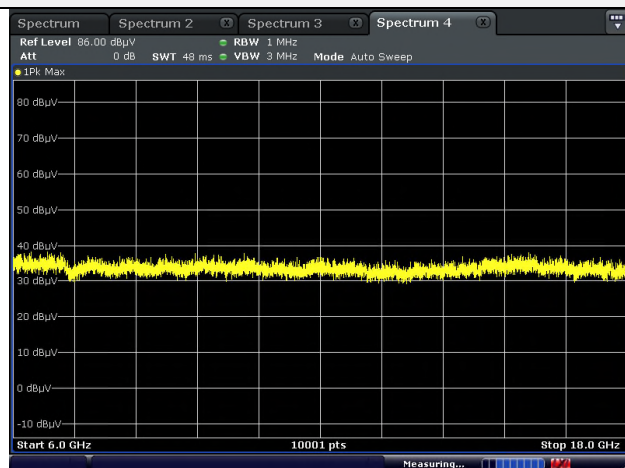
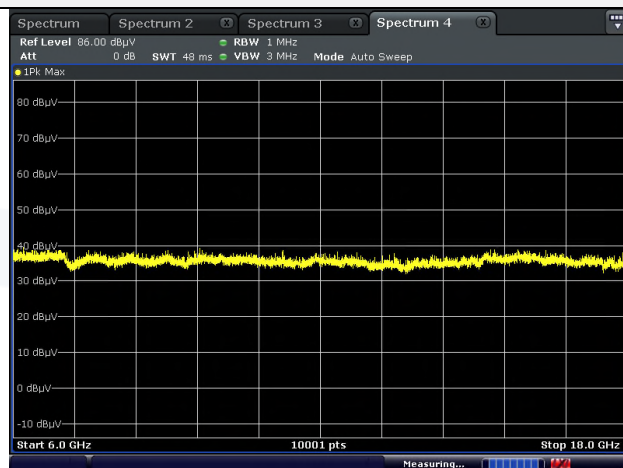


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Mode: 802.11a (6 Mbps)
Distance of measurement: 3 meter
Channel: UNII-1 / 44

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 208.23	42.78	Peak	H	-6.90	-	35.88	74.00	38.12
1 284.72	42.49	Peak	V	-6.34	-	36.15	68.23	32.08

Horizontal // Peak for 1 GHz to 6 GHz**Vertical // Peak for 1 GHz to 6 GHz****Horizontal // Peak for 6 GHz to 18 GHz****Vertical // Peak for 6 GHz to 18 GHz**

Note.

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

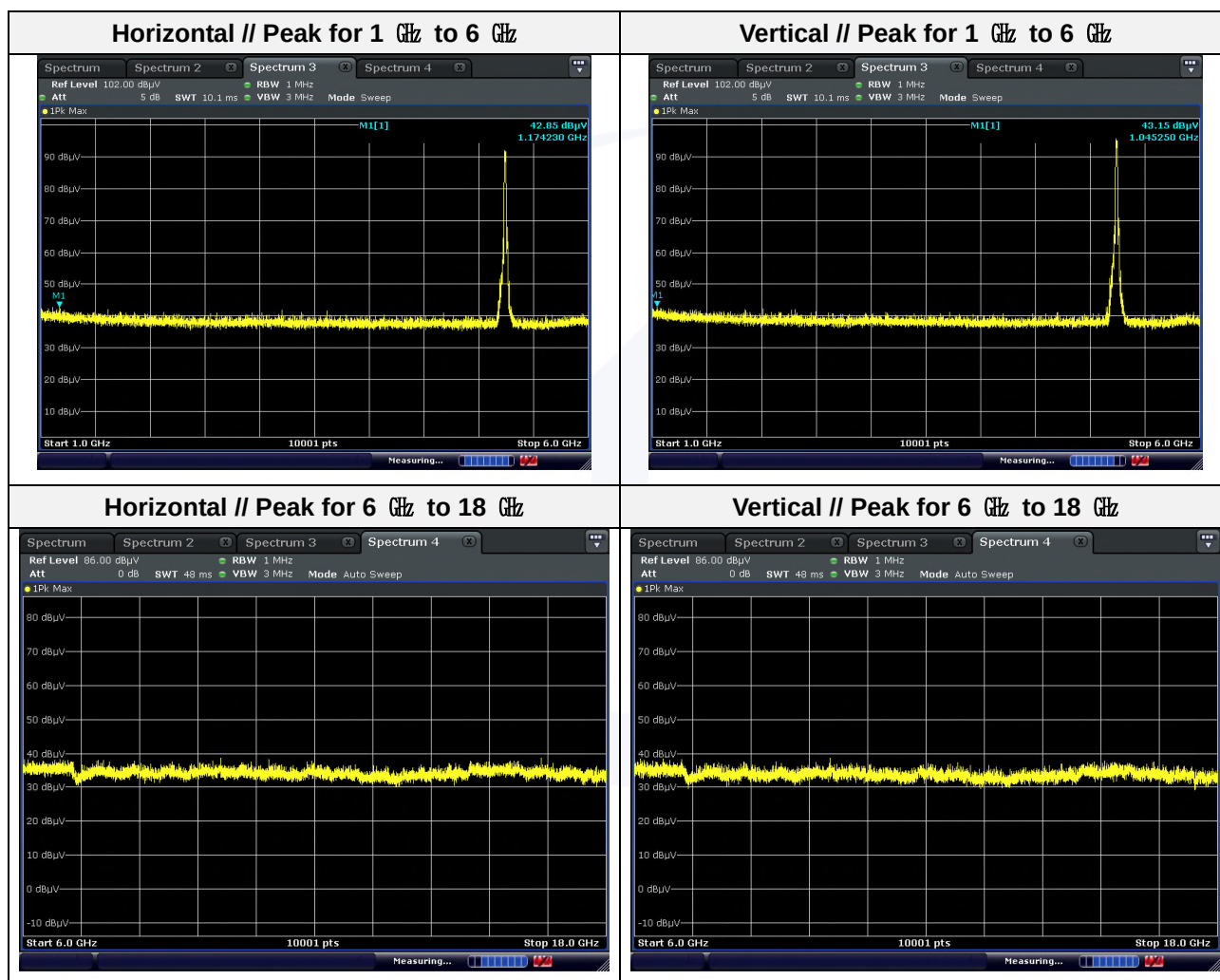


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Mode: 802.11a (6 Mbps)
Distance of measurement: 3 meter
Channel: UNII-1 / 48

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 045.25	43.15	Peak	V	-7.88	-	35.27	74.00	38.73
1 174.23	42.85	Peak	H	-7.11	-	35.74	74.00	38.26



Note.

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



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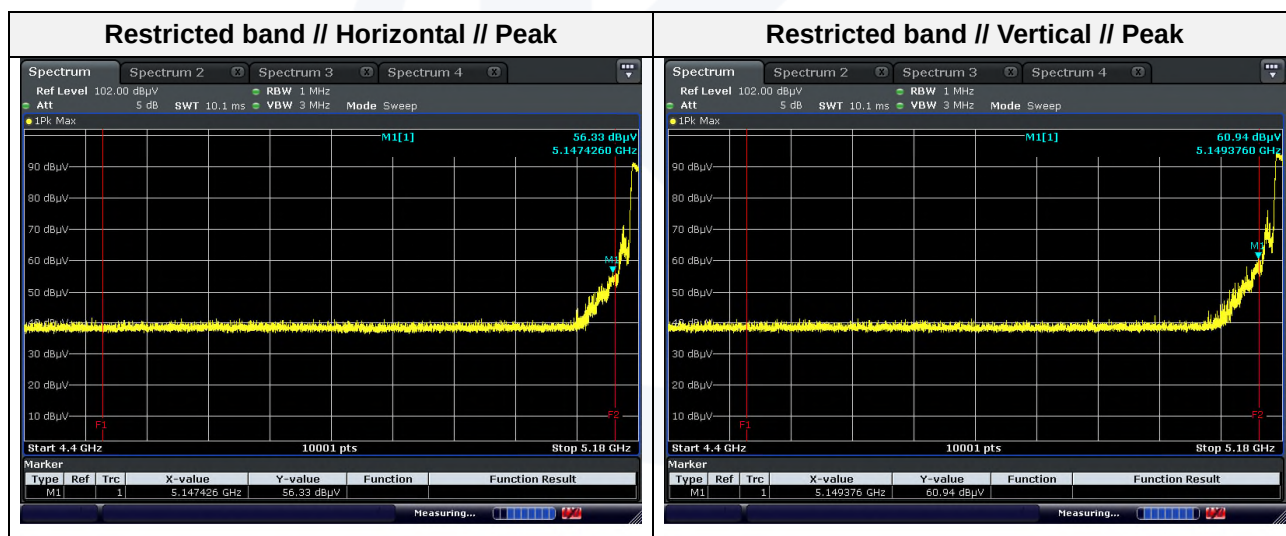
Mode: 802.11n_HT20 (MCS0)
Distance of measurement: 3 meter
Channel: UNII-1 / 36

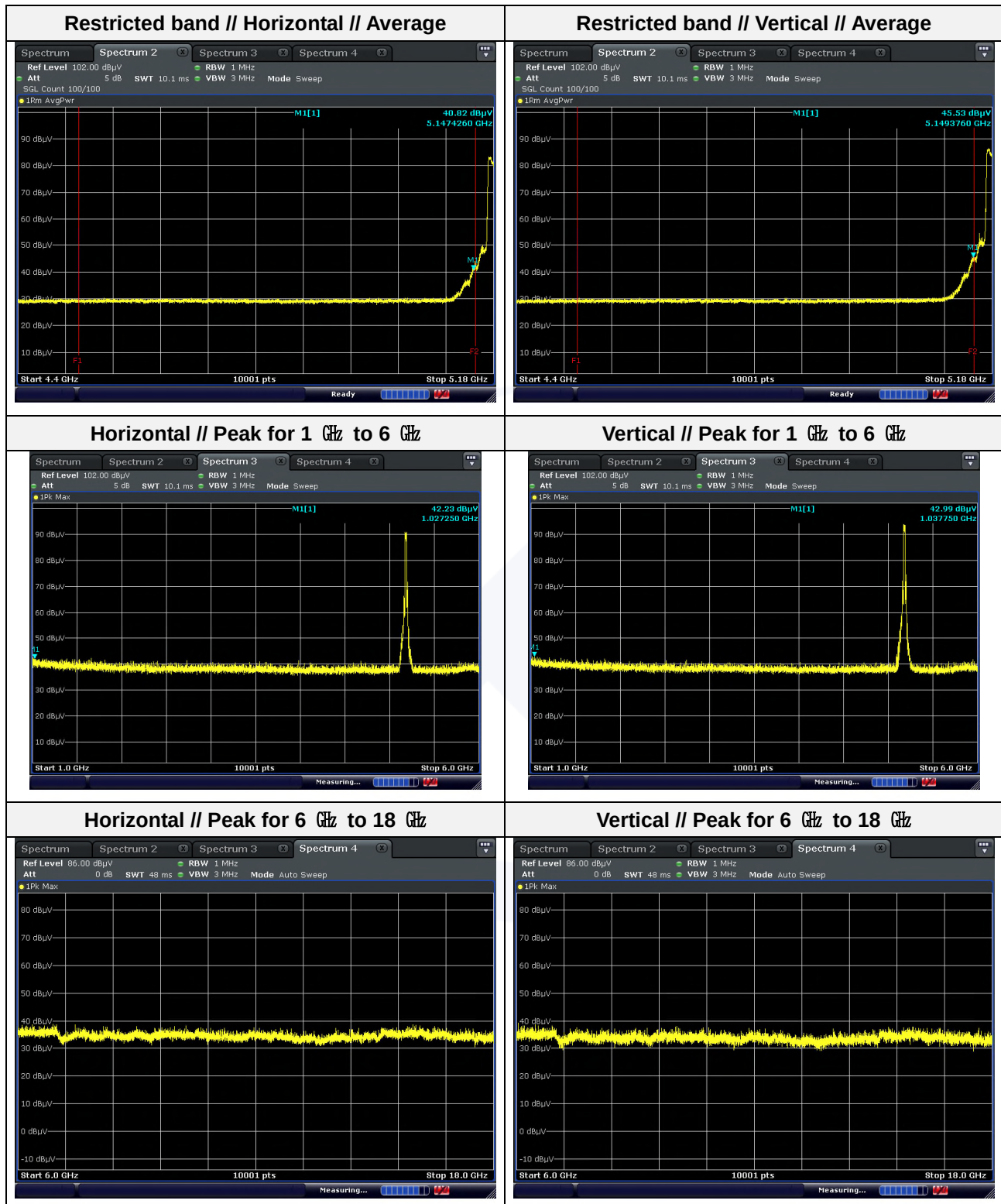
- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 027.25	42.23	Peak	H	-7.98	-	34.25	74.00	39.75
1 037.75	42.99	Peak	V	-7.92	-	35.07	74.00	38.93

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
5 147.43	56.33	Peak	H	7.54	-	63.87	74.00	10.13
5 147.43	40.82	Average	H	7.54	-	48.36	54.00	5.64
5 149.38	60.94	Peak	V	7.54	-	68.48	74.00	5.52
5 149.38	45.53	Average	V	7.54	-	53.07	54.00	0.93





Note.

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

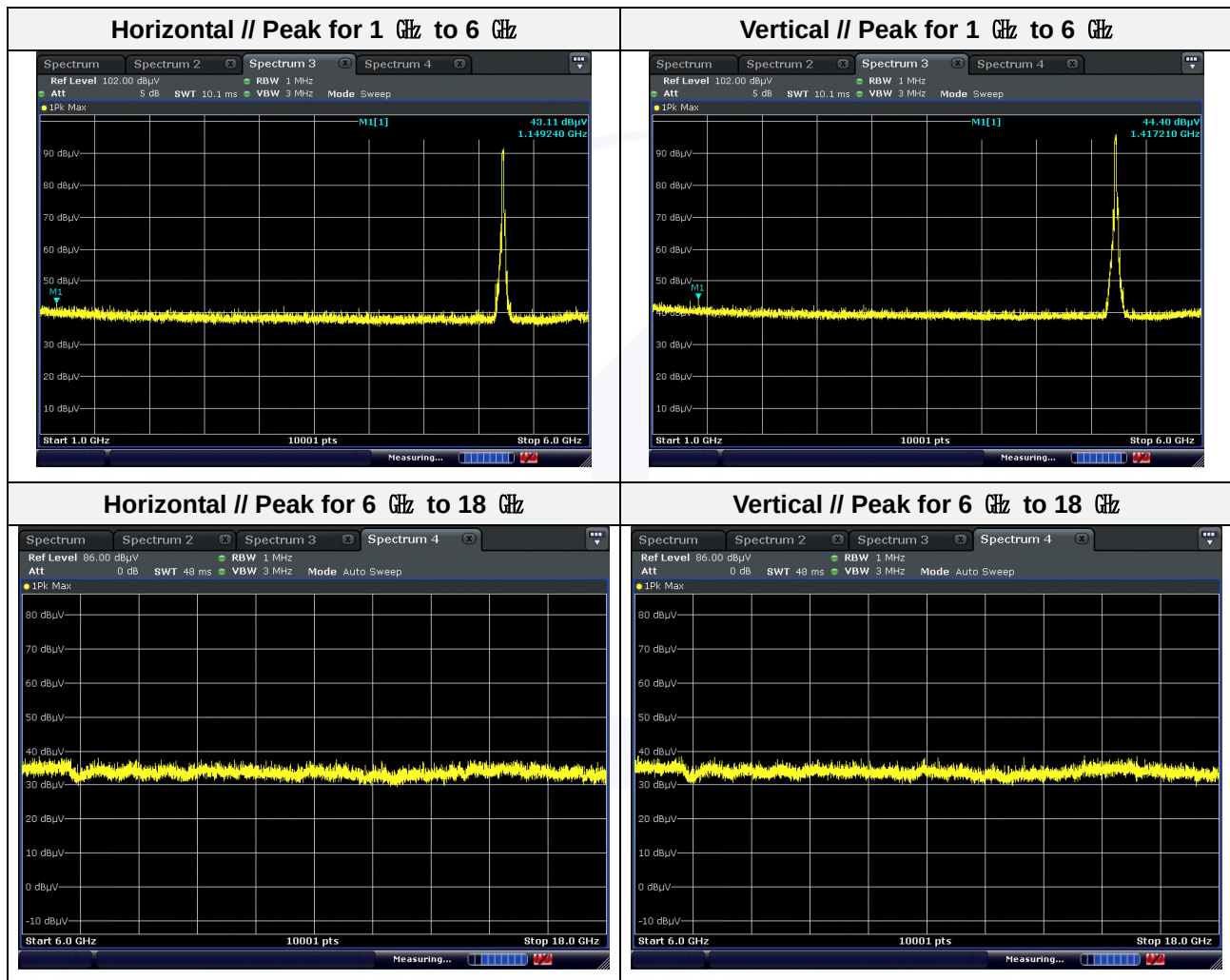


Report No. : KES-RF250775

Mode: 802.11n_HT20 (MCS0)
Distance of measurement: 3 meter
Channel: UNII-1 / 44

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 149.24	43.11	Peak	H	-7.26	-	35.85	74.00	38.15
1 417.21	44.40	Peak	V	-5.41	-	38.99	74.00	35.01



Note.

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

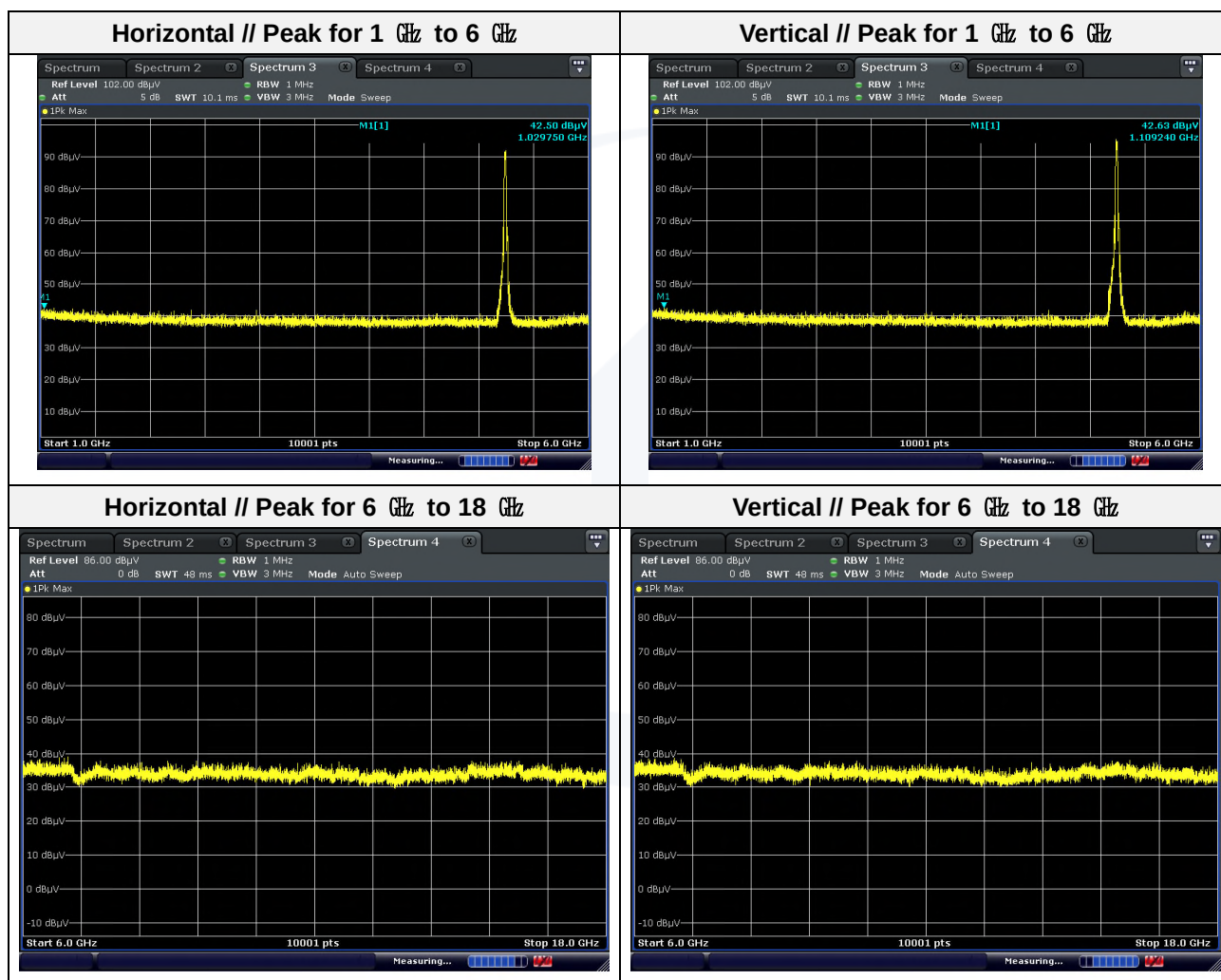


Report No. : KES-RF250775

Mode: 802.11n_HT20 (MCS0)
Distance of measurement: 3 meter
Channel: UNII-1 / 48

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 029.75	42.50	Peak	H	-7.97	-	34.53	74.00	39.47
1 109.24	42.63	Peak	V	-7.50	-	35.13	74.00	38.87



Note.

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

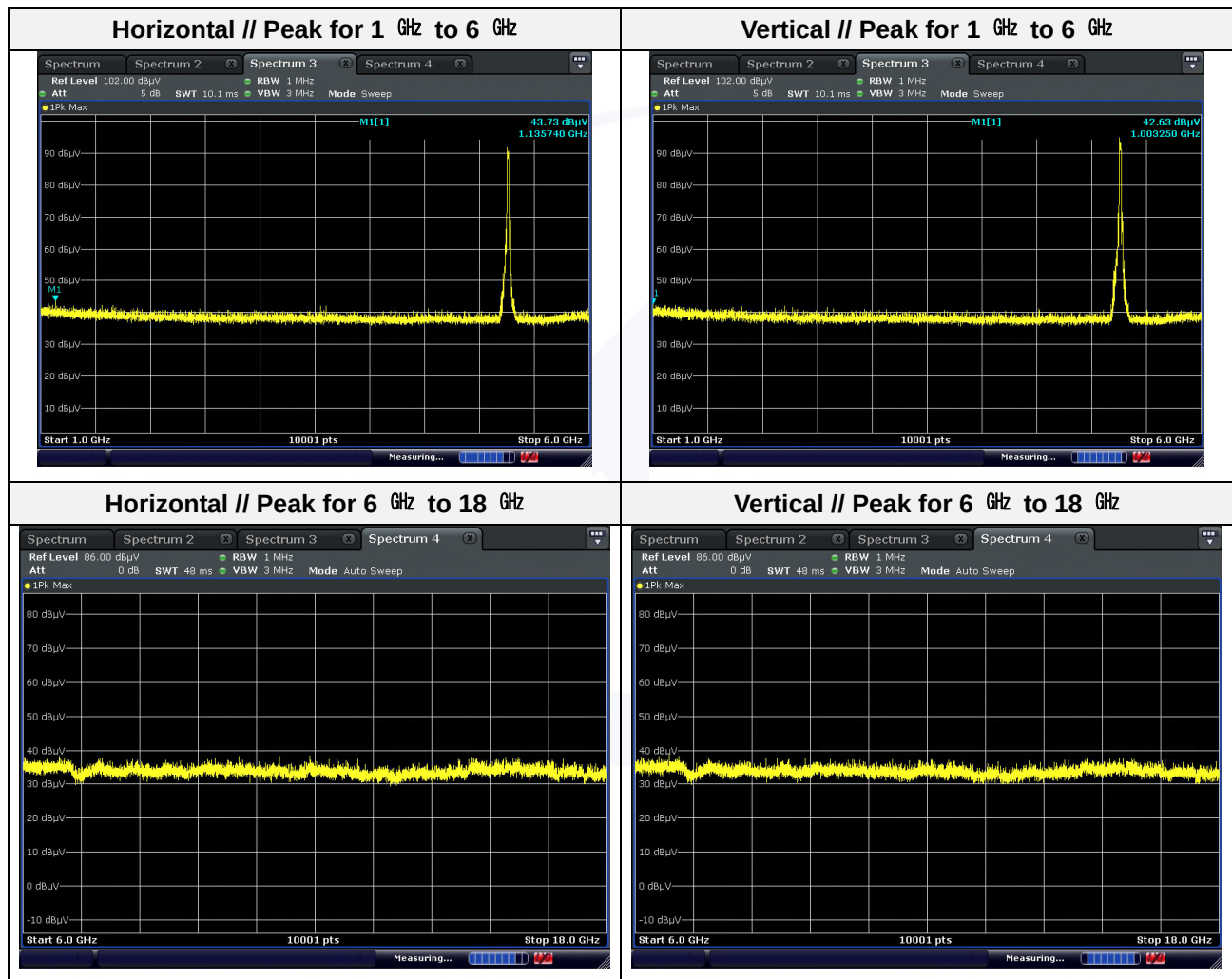


Report No. : KES-RF250775

Mode: 802.11a (6 Mbps)
Distance of measurement: 3 meter
Channel: UNII-2A / 52

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 003.25	42.63	Peak	V	-8.13	-	34.50	74.00	39.50
1 135.74	43.73	Peak	H	-7.34	-	36.39	74.00	37.61



Note.

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

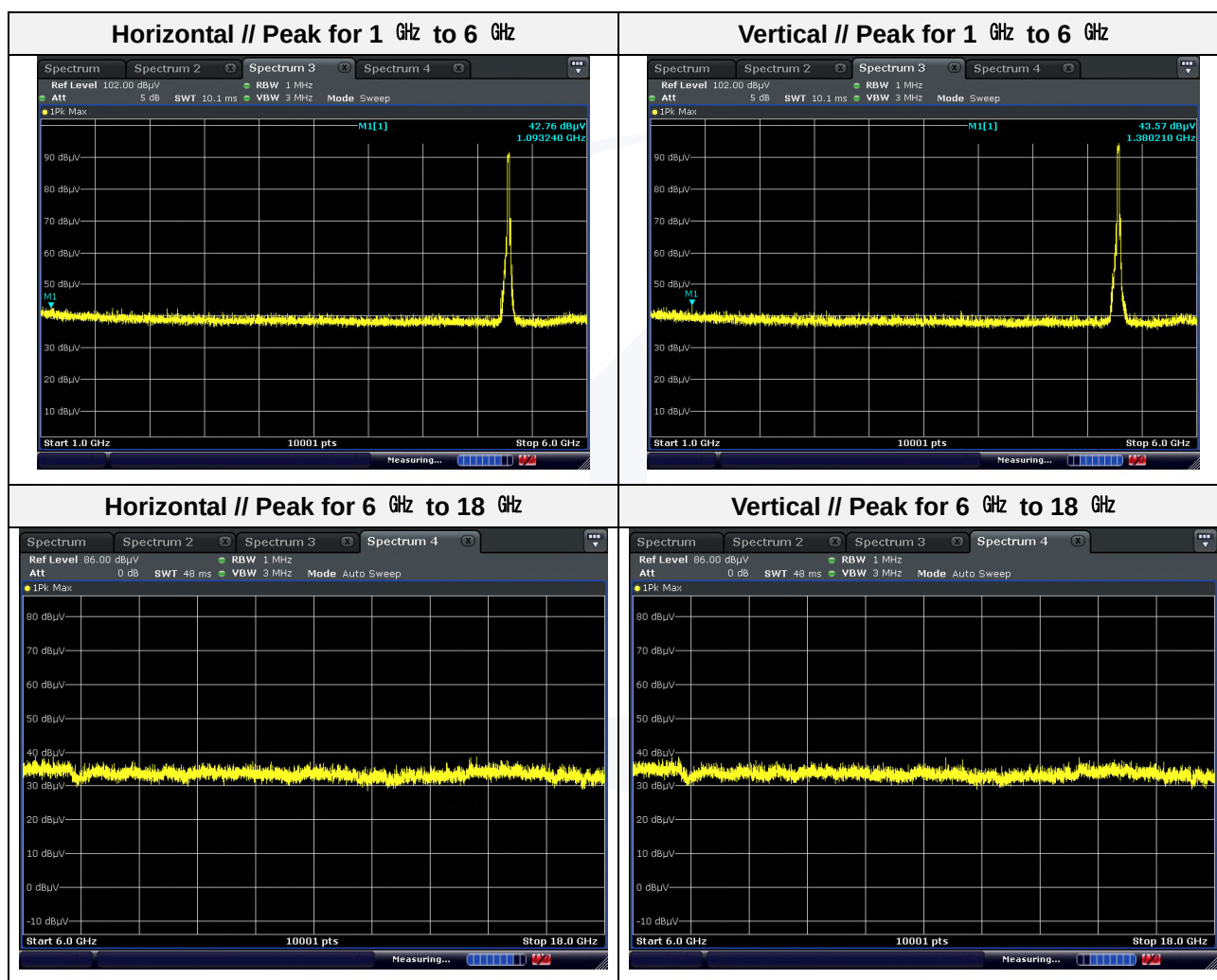


Report No. : KES-RF250775

Mode: 802.11a (6 Mbps)
Distance of measurement: 3 meter
Channel: UNII-2A / 60

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 093.24	42.76	Peak	H	-7.59	-	35.17	74.00	38.83
1 380.21	43.57	Peak	V	-5.65	-	37.92	74.00	36.08



Note.

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



Report No. : KES-RF250775

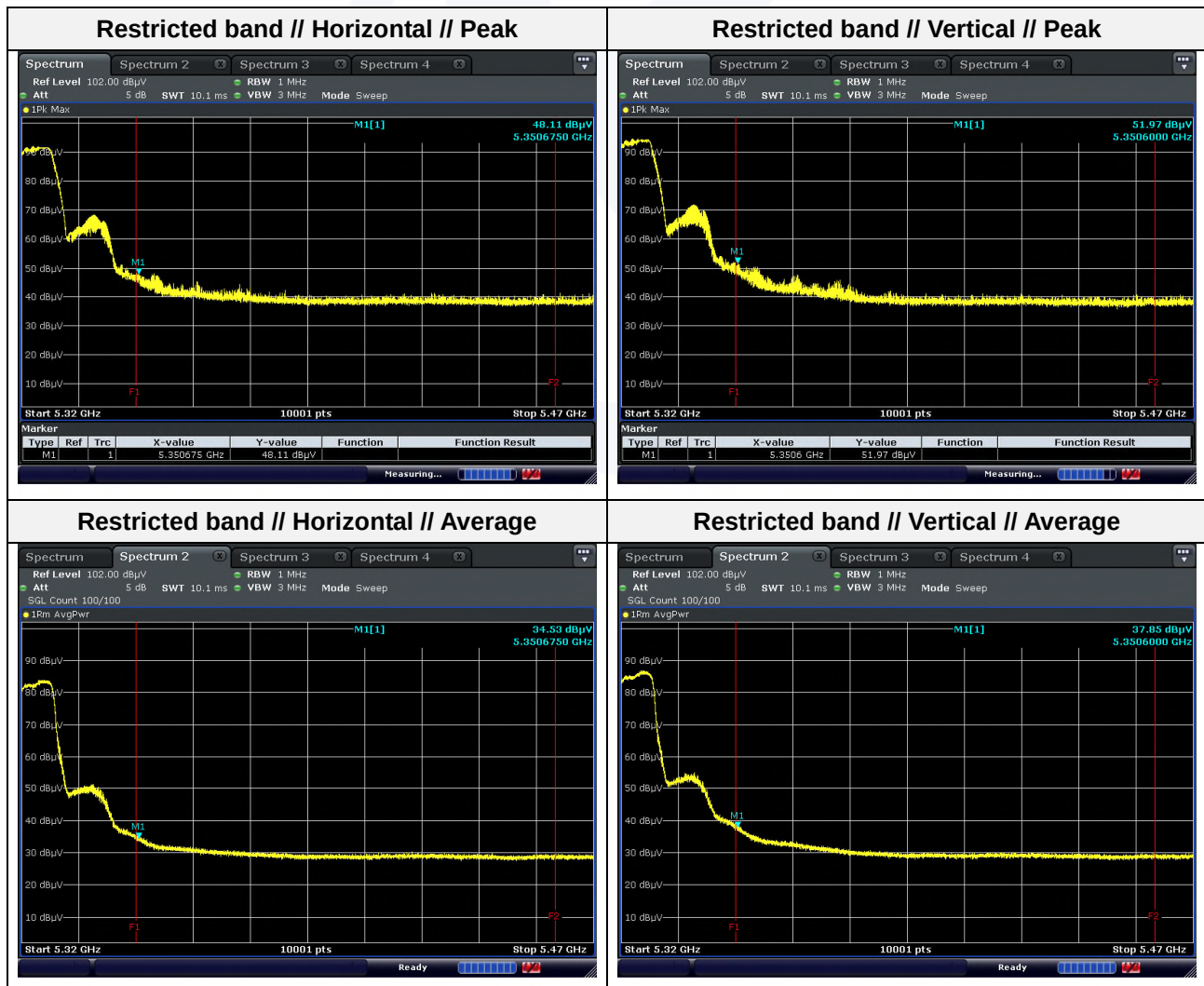
Mode: 802.11a (6 Mbps)
Distance of measurement: 3 meter
Channel: UNII-2A / 64

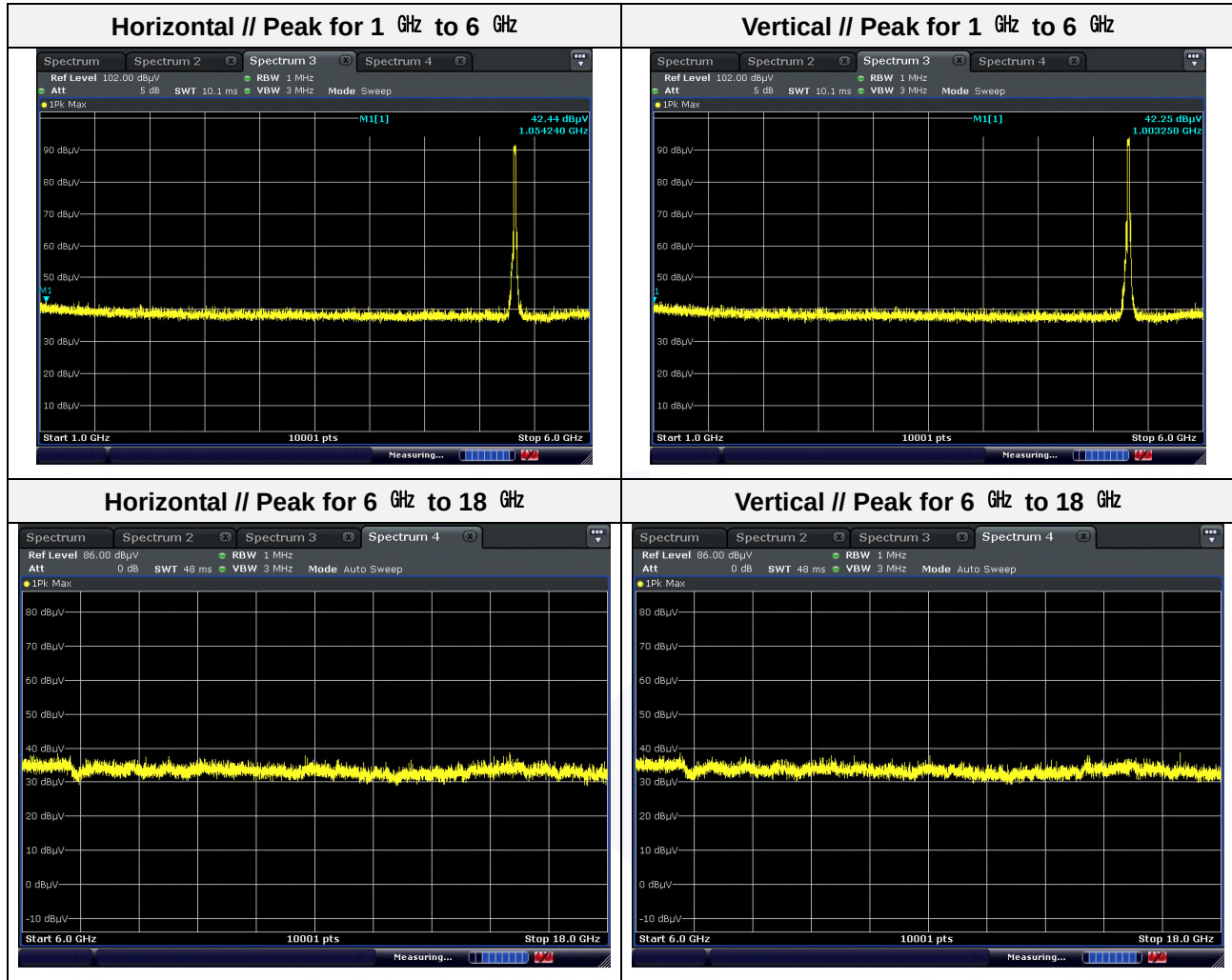
- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 003.25	42.25	Peak	V	-8.13	-	34.12	74.00	39.88
1 054.24	42.44	Peak	H	-7.82	-	34.62	74.00	39.38

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
5 350.60	51.97	Peak	V	7.78	-	59.75	74.00	14.25
5 350.60	37.85	Average	V	7.78	-	45.63	54.00	8.37
5 350.68	48.11	Peak	H	7.78	-	55.89	74.00	18.11
5 350.68	34.53	Average	H	7.78	-	42.31	54.00	11.69





Note.

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

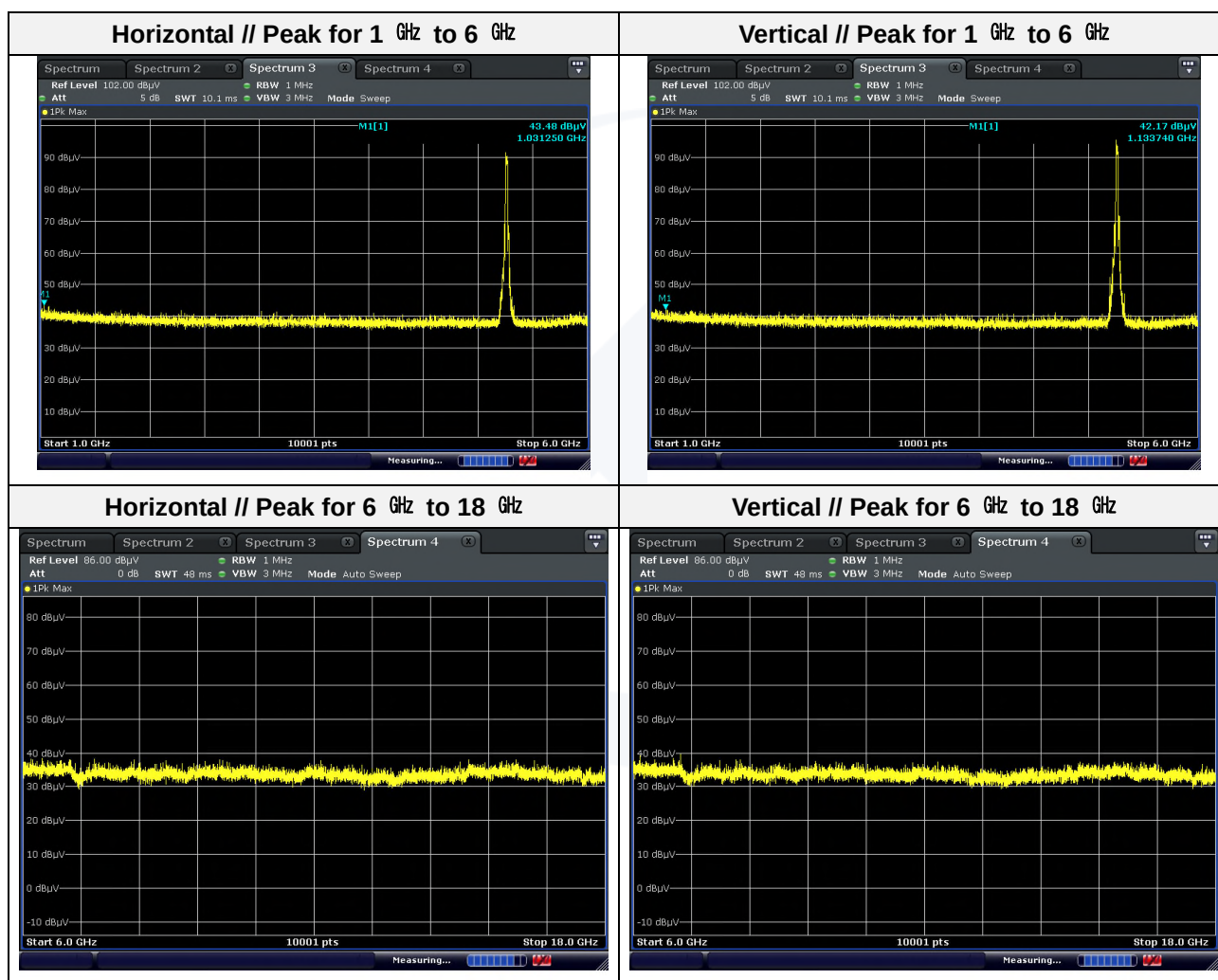


Report No. : KES-RF250775

Mode: 802.11n_HT20 (MCS 0)
Distance of measurement: 3 meter
Channel: UNII-2A / 52

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 031.25	43.48	Peak	H	-7.96	-	35.52	74.00	38.48
1 133.74	42.17	Peak	V	-7.35	-	34.82	74.00	39.18



Note.

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

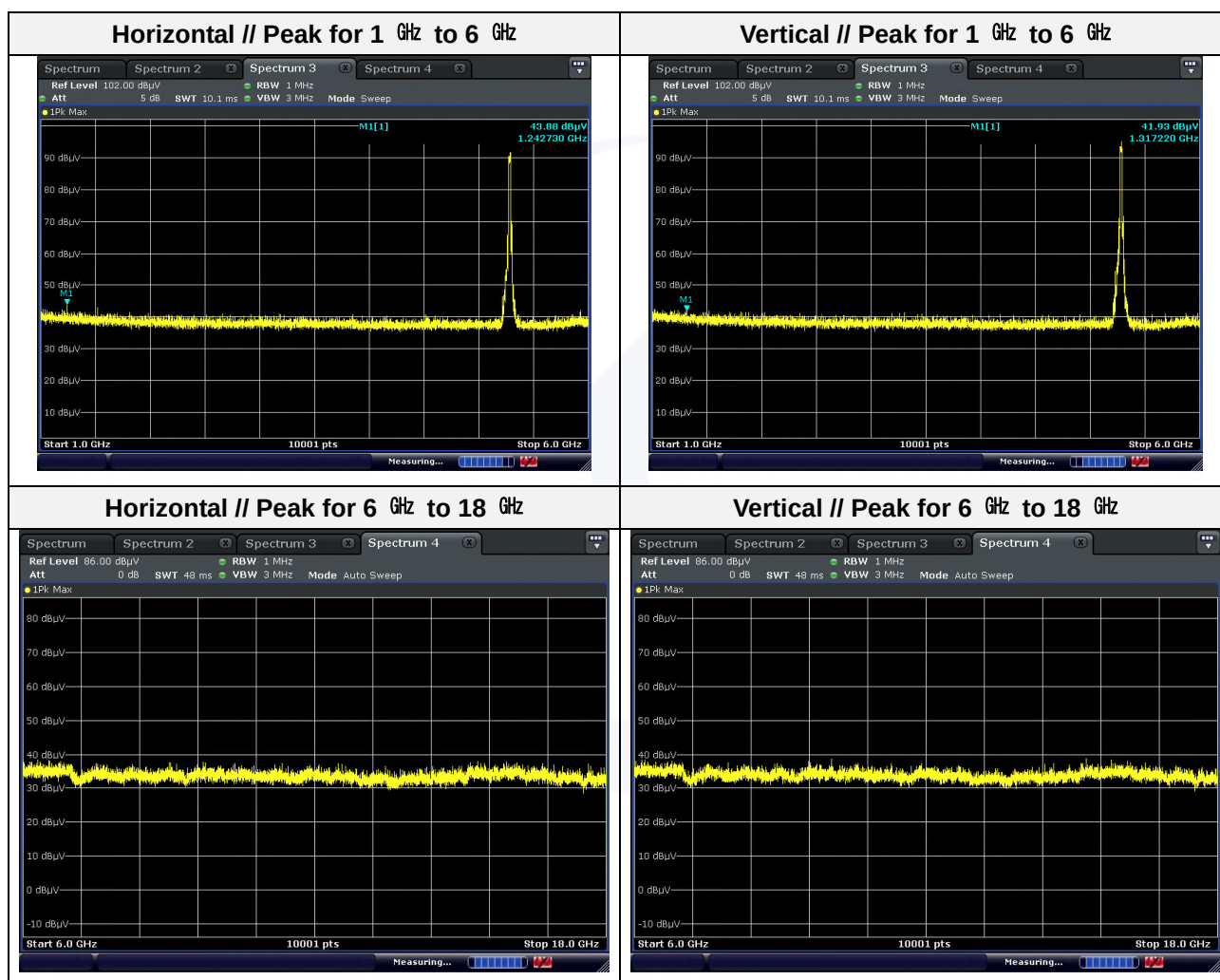


Report No. : KES-RF250775

Mode: 802.11n_HT20 (MCS 0)
Distance of measurement: 3 meter
Channel: UNII-2A / 60

- Spurious

Frequency (MHz)	Level (dBμV)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1 242.73	43.88	Peak	H	-6.64	-	37.24	68.23	30.99
1 317.22	41.93	Peak	V	-6.10	-	35.83	74.00	38.17



Note.

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



Report No. : KES-RF250775

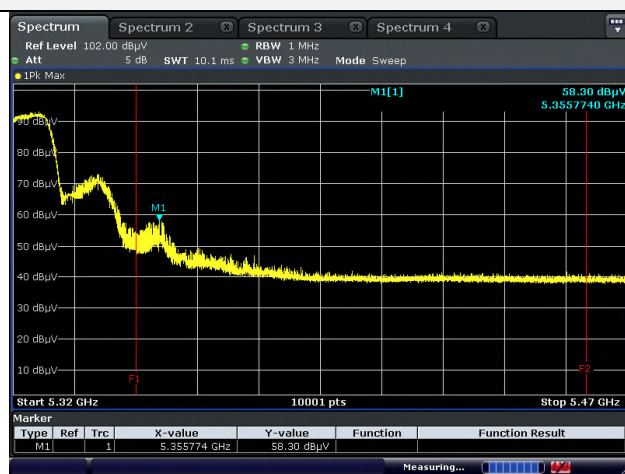
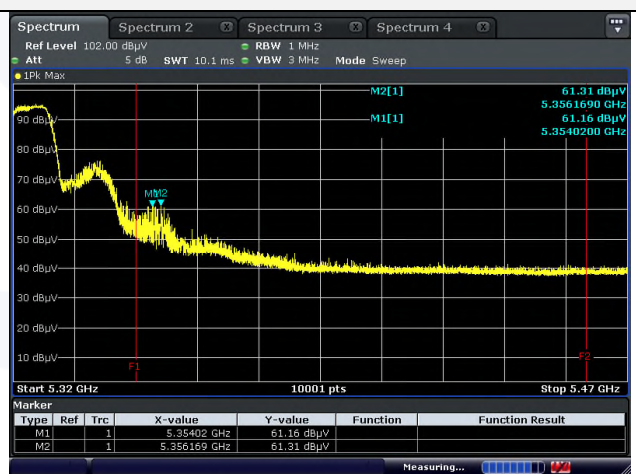
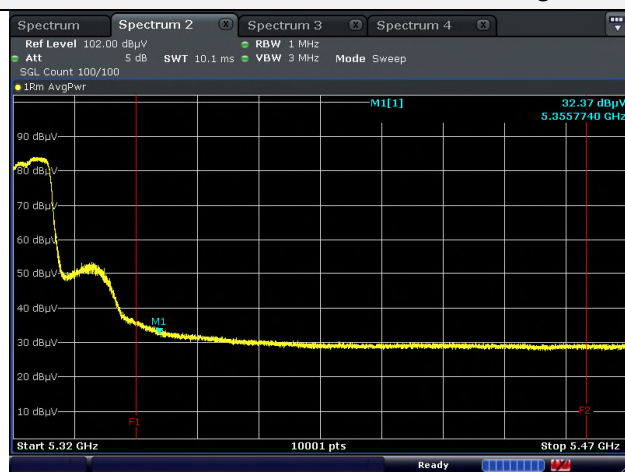
Mode: 802.11n_HT20 (MCS 0)
Distance of measurement: 3 meter
Channel: UNII-2A / 64

- Spurious

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1 022.75	42.32	Peak	H	-8.01	-	34.31	74.00	39.69
1 060.74	41.82	Peak	V	-7.78	-	34.04	74.00	39.96

- Band edge

Frequency (MHz)	Level (dB μ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
5 354.02	61.16	Peak	V	7.79	-	68.95	74.00	5.05
5 354.02	36.45	Average	V	7.79	-	44.24	54.00	9.76
5 355.77	58.30	Peak	H	7.79	-	66.09	74.00	7.91
5 355.77	32.37	Average	H	7.79	-	40.16	54.00	13.84
5 356.17	61.31	Peak	V	7.79	-	69.10	74.00	4.90
5 356.17	35.32	Average	V	7.79	-	43.11	54.00	10.89

Restricted band // Horizontal // Peak**Restricted band // Vertical // Peak****Restricted band // Horizontal // Average****Restricted band // Vertical // Average**