

# TEST REPORT

## Part 15 C & RSS-247 (Issue 2)

**Equipment under test** Remote Controller  
**Model name** C4-HALO-TS-BL  
**Derivative Model name** C4-HALO-TS-AS  
**FCC ID** 2AJAC-C4HALOTS  
**IC Certification No** 7848A-C4HALOTS  
**Applicant** Snap One, LLC  
**Manufacturer** Remote Solution Co.,Ltd.  
**Date of test(s)** 2023.02.27 ~ 2023.03.06  
**Date of issue** 2023.03.13

**Issued to**



**Snap One, LLC**

1800 Continental Blvd, Suite 300 Charlotte, NC 28273  
Tel: 801-523-3187 / Fax: 801-523-3100

**Issued by**

**KES Co., Ltd.**

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Test and report completed by :	Report approval by :
	
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This test report is not related to KS Q ISO/IEC 17025 and KOLAS.



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**Revision history**

Revision	Date of issue	Test report No.	Description
-	2023.03.13	KES-RF-23T0038	Initial

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### 1. General information

Applicant: Snap One, LLC  
Applicant address: 1800 Continental Blvd, Suite 300 Charlotte, NC 28273  
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, Yeosu-si, Gyeonggi-do, Korea  
Test Facility: FCC Accreditation Designation No.: KR0100, Registration No.: 444148  
ISED Registration No.: 23298  
FCC rule part(s): 15.247  
IC rule part(s): RSS-247  
FCC ID: 2AJAC-C4HALOTS  
IC Certification No: 7848A-C4HALOTS  
Test device serial No.:  Production  Pre-production  Engineering

#### 1.1. EUT description

Equipment under test: Remote Controller  
Frequency range: **2 412 MHz ~ 2 462 MHz (802.11b/g/n\_HT20)**  
5 180 MHz ~ 5 240 MHz (802.11a/n\_HT20/ac\_VHT20)  
5 260 MHz ~ 5 320 MHz (802.11a/n\_HT20/ac\_VHT20)  
5 500 MHz ~ 5 720 MHz (802.11a/n\_HT20/ac\_VHT20)  
5 745 MHz ~ 5 825 MHz (802.11a/n\_HT20/ac\_VHT20)  
5 190 MHz ~ 5 230 MHz (802.11n\_HT40/ac\_VHT40)  
5 270 MHz ~ 5 310 MHz (802.11n\_HT40/ac\_VHT40)  
5 510 MHz ~ 5 710 MHz (802.11n\_HT40/ac\_VHT40)  
5 755 MHz ~ 5 795 MHz (802.11n\_HT40/ac\_VHT40)  
5 210 MHz (802.11ac\_VHT80)  
5 290 MHz (802.11ac\_VHT80)  
5 530 MHz ~ 5 690 MHz (802.11ac\_VHT80)  
5 775 MHz (802.11ac\_VHT80)  
Model: C4-HALO-TS-BL  
Derivative Model: C4-HALO-TS-AS  
Modulation technique: DSSS, **OFDM**  
Antenna specification: PIFA Antenna // 2.4 GHz Peak gain: 1.15 dBi  
// 5 GHz Peak gain: 0.62 dBi  
Power source: DC 3.8 V

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Number of channels	<b>2 412 MHz ~ 2 462 MHz (802.11b/g/n_HT20): 11 ch</b> 5 180 MHz ~ 5 240 MHz (802.11a/n_HT20/ac_VHT20): 4 ch 5 260 MHz ~ 5 320 MHz (802.11a/n_HT20/ac_VHT20): 4 ch 5 500 MHz ~ 5 720 MHz (802.11a/n_HT20/ac_VHT20): 12 ch 5 745 MHz ~ 5 825 MHz (802.11a/n_HT20/ac_VHT20): 5 ch 5 190 MHz ~ 5 230 MHz (802.11n_HT40/ac_VHT40): 2 ch 5 270 MHz ~ 5 310 MHz (802.11n_HT40/ac_VHT40): 2 ch 5 510 MHz ~ 5 710 MHz (802.11n_HT40/ac_VHT40): 6 ch 5 755 MHz ~ 5 795 MHz (802.11n_HT40/ac_VHT40): 2ch 5 210 MHz (802.11ac_VHT80): 1 ch 5 290 MHz (802.11ac_VHT80): 1 ch 5 530 MHz ~ 5 690 MHz (802.11ac_VHT80): 3 ch 5 775 MHz (802.11ac_VHT80): 1 ch
H/W Version	V1.0
S/W Version	V1.0
Serial No	ST2235000100E1F224

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**1.2. Test configuration**

The Snap One, LLC // Remote Controller // C4-HALO-TS-BL

FCC ID: 2AJAC-C4HALOTS // IC: 7848A-C4HALOTS was tested according to the specification of EUT, the EUT must comply with following standards and KDB documents.

FCC Part 15.247  
ISED RSS-247 Issue 2 and RSS-Gen Issue 5  
KDB 558074 D01 v05 r02  
ANSI C63.10-2013

**1.3. Derivative Model Information**

C4-HALO-TS-AS

**1.4. Accessory information**

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

**1.5. 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.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 0.68 + 10 = 10.68 \text{ (dB)} \end{aligned}$$

For Radiation test :

$$\text{Field strength level (dB}\mu\text{V/m)} = \text{Measured level (dB}\mu\text{V)} + \text{Antenna factor (dB)} + \text{Cable loss (dB)} - \text{Amplifier gain (dB)}$$

**1.6. Measurement Uncertainty**

Test Item	Uncertainty	
Uncertainty for Conduction emission test	2.38 dB	
Uncertainty for Radiation emission test (include Fundamental emission)	Below 1GHz	4.50 dB
	Above 1GHz	4.90 dB
Note. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.		

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**1.7. Frequency/channel operations**

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

Ch.	Frequency (MHz)	Mode
36	5 180	802.11a/n_HT20/ac_VHT20
40	5 200	802.11a/n_HT20/ac_VHT20
48	5 240	802.11a/n_HT20/ac_VHT20
52	5 260	802.11a/n_HT20/ac_VHT20
56	5 280	802.11a/n_HT20/ac_VHT20
64	5 320	802.11a/n_HT20/ac_VHT20
100	5 500	802.11a/n_HT20/ac_VHT20
120	5 600	802.11a/n_HT20/ac_VHT20
140	5 700	802.11a/n_HT20/ac_VHT20
149	5 745	802.11a/n_HT20/ac_VHT20
157	5 785	802.11a/n_HT20/ac_VHT20
165	5 825	802.11a/n_HT20/ac_VHT20

Ch.	Frequency (MHz)	Mode
38	5 190	802.11n_HT40/ac_VHT40
46	5 230	802.11n_HT40/ac_VHT40
54	5 270	802.11n_HT40/ac_VHT40
62	5 310	802.11n_HT40/ac_VHT40
102	5 510	802.11n_HT40/ac_VHT40
118	5 590	802.11n_HT40/ac_VHT40
134	5 670	802.11n_HT40/ac_VHT40
151	5 755	802.11n_HT40/ac_VHT40
159	5 795	802.11n_HT40/ac_VHT40

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Ch.	Frequency (MHz)	Mode
42	5 210	802.11n_ac_VHT80
58	5 290	802.11n_ac_VHT80
106	5 530	802.11n_ac_VHT80
122	5 610	802.11n_ac_VHT80
155	5 775	802.11n_ac_VHT80

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### 2. Summary of tests

Section in FCC Part 15	Section in RSS-247 & Gen	Parameter	Test results
-	RSS-Gen 6.7	99% occupied bandwidth	N/A <sup>(1)</sup>
15.247(a)(2)	RSS-247 5.2(a)	6 dB bandwidth	N/A <sup>(1)</sup>
15.247(b)(3)	RSS-247 5.4(d)	Output power	Pass
15.247(e)	RSS-247 5.2(b)	Power spectral density	N/A <sup>(1)</sup>
15.205 15.209	RSS-247 5.5 RSS-Gen 8.9, 8.10	Radiated restricted band and emission	Pass
15.247(d)	RSS-247 5.5	Conducted spurious emission and band edge	N/A <sup>(1)</sup>
15.207(a)	RSS-Gen 8.8	AC Conducted emissions	Pass

Note :

1. This product is equipped with an approved module, please refer to Module Report for details.  
Report No. : 1802WSU008-U1
2. This report contains only the worst case results at the request of the applicant with condition below:  
Worst case : 802.11g(6 Mbps)
3. This product is powered by DC 3.8 V.

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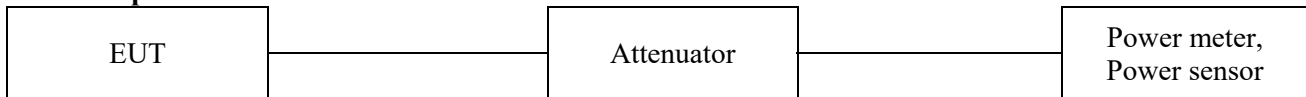
### 3. Test results

#### 3.1. Output power

##### Test procedure

ANSI C63.10-2013 - Section 11.9.1.3 and 11.9.2.3.2

##### Test setup



##### ANSI C63.10-2013 - Section 11.9.1.3

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

##### ANSI C63.10-2013 - Section 11.9.2.3.2

Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction is required.

##### Limit

According to §15.247(b)(3), For systems using digital modulation in the 902~928 MHz, 2 400~2 483.5 MHz, and 5 725~5 850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted out-put power. Maximum Conducted Out-put Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

According to §15.247(b)(4), The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to RSS-247 5.4 (d), For DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W. The e.i.r.p. shall not exceed 4 W, except as provided in Section 5.4(e).

As an alternative to a peak power measurement, compliance can be based on a measurement of the maximum conducted output power. The maximum conducted output power is the total transmit power delivered to all antennas and antenna elements, averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or transmitting at a reduced power level. If multiple modes of operation are implemented, the maximum conducted output power is the highest total transmit power occurring in any mode.

**Test results**

Measured output power (dBm)							
Mode	Antenna	2 412 MHz		2 437 MHz		2 462 MHz	
		Average	Peak	Average	Peak	Average	Peak
802.11b	1	16.52	19.66	16.71	19.95	16.64	19.98
	2	16.63	19.61	16.75	19.66	16.61	19.92

Measured output power (dBm)							
Mode	Antenna	2 412 MHz		2 437 MHz		2 462 MHz	
		Average	Peak	Average	Peak	Average	Peak
802.11g	1	11.44	21.43	14.65	<b>24.66</b>	11.63	21.38
	2	11.36	21.51	14.72	<b>24.71</b>	11.74	21.42

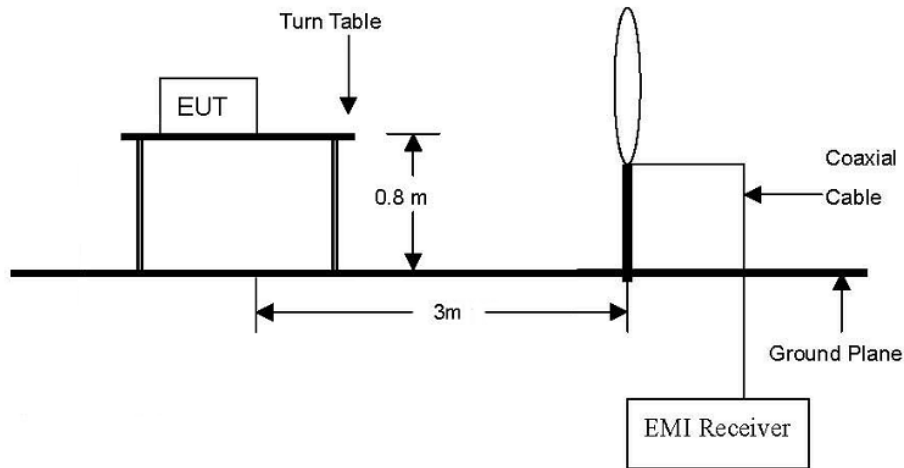
Measured output power (dBm)							
Mode	Antenna	2 412 MHz		2 437 MHz		2 462 MHz	
		Average	Peak	Average	Peak	Average	Peak
802.11n (HT20)	1	10.96	20.79	12.56	22.84	11.17	21.06
	2	11.02	21.06	12.43	22.03	11.27	21.11

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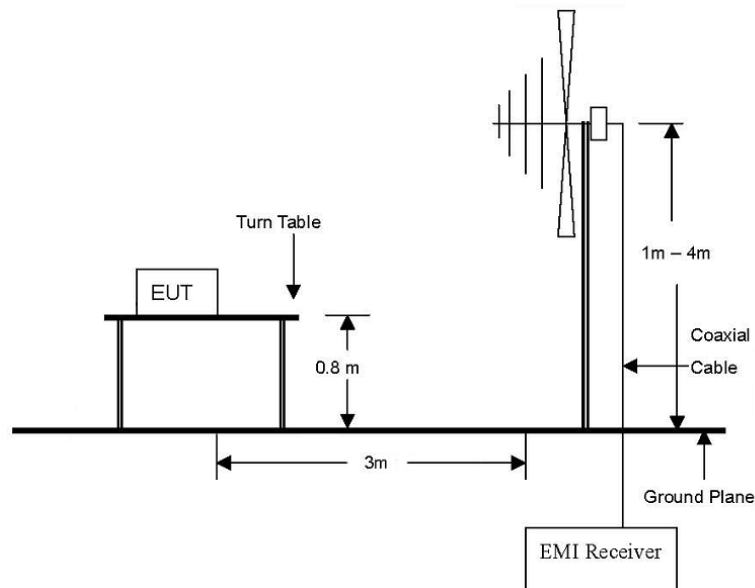
### 3.2. Radiated restricted band and emissions

#### 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.

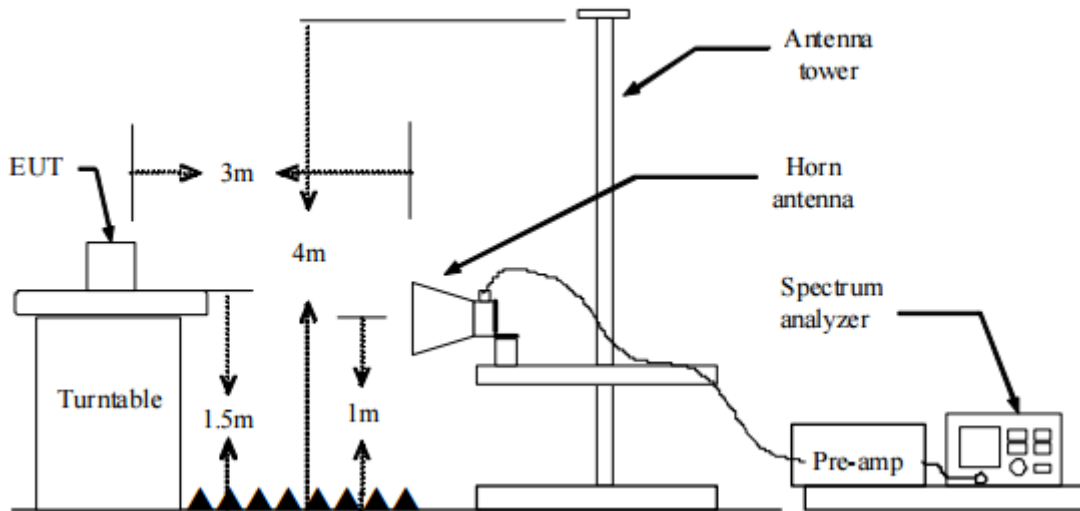


The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz emissions.



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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.



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## 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 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 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  $f < 1$  GHz:
  - ① Span = wide enough to fully capture the emission being measured
  - ② RBW = 100 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  $\geq$  3 MHz
  - ④ Detector = peak
  - ⑤ Sweep time = auto
  - ⑥ Trace = max hold
  - ⑦ Trace was allowed to stabilize

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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 span/(# of points in sweep)  $\leq$  (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 ( $\geq 98$  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 $\mu$ V/m) = Level(dB $\mu$ V) + CF (dB) + or DCF(dB)
3. Margin(dB) = Limit(dB $\mu$ V/m) - Field strength(dB $\mu$ 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.
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 dB of respective limits were not reported.
9. 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 ( $\mu V/m$ )
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 RSS-Gen, Except when the requirements applicable to a given device state otherwise, emissions from licence-exempt transmitters shall comply with the field strength limits :

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

\* Unless otherwise specified, for all frequencies greater than 1 GHz, the radiated emission limits for licence-exempt radio apparatus stated in applicable RSSs (including RSS-Gen) are based on measurements using a linear average detector function having a minimum resolution bandwidth of 1 MHz. If an average limit is specified for the EUT, then the peak emission shall also be measured with instrumentation properly adjusted for such factors as pulse desensitization to ensure the peak emission is less than 20 dB above the average limit.

**Note:** Transmitting devices are not permitted in restricted frequency bands unless stated otherwise in the specific RSS.

**Duty cycle**

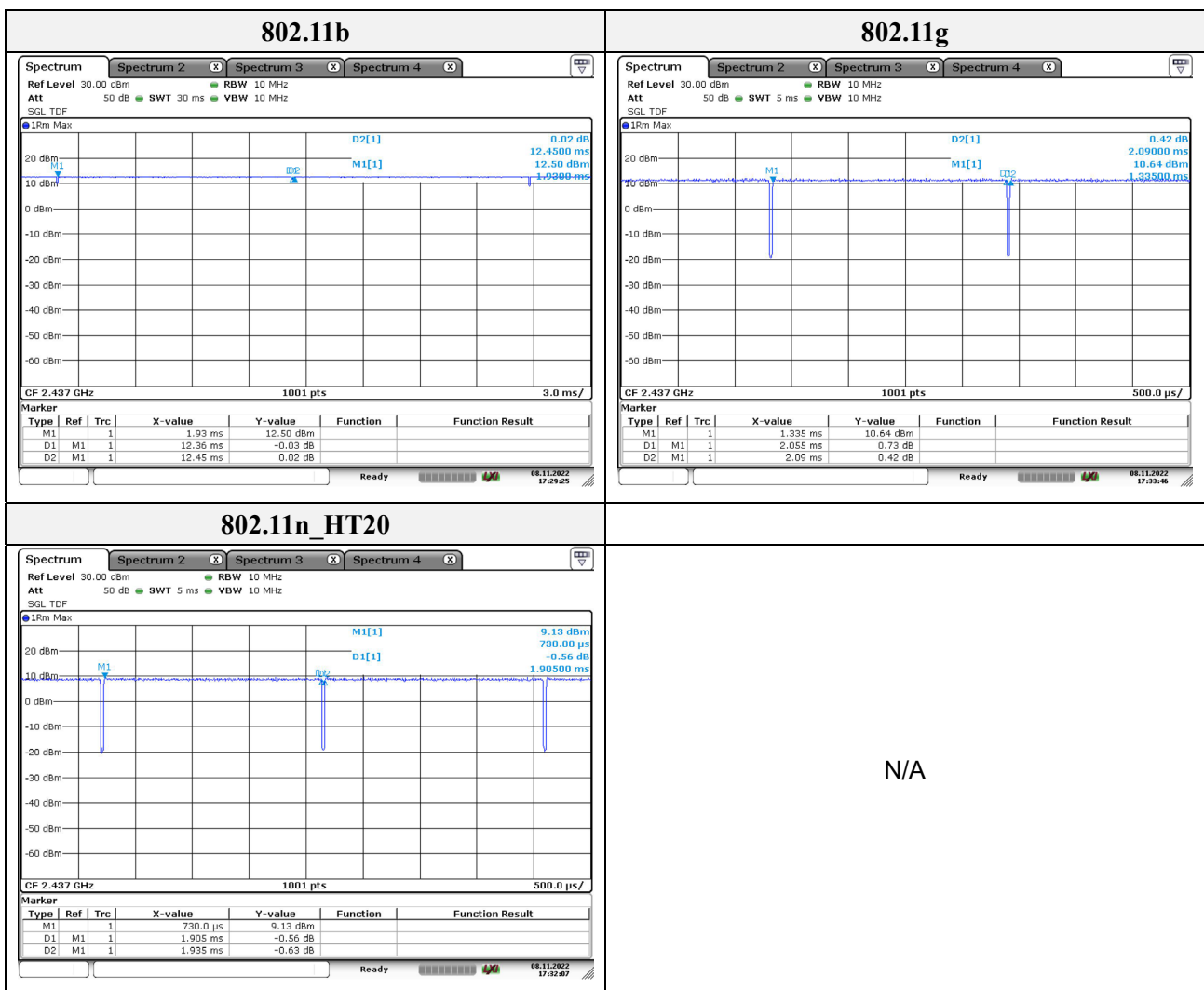
Regarding to KDB 558074 D01\_v04, 6.0, the maximum duty cycles of all modes were investigated and set the spectrum analyzer as below.

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 <sub>on</sub> time (ms)	Period (ms)	Duty cycle (Linear)	Duty cycle (%)	Duty cycle correction factor (dB)
802.11b	12.360	12.450	0.993	99.277	-
802.11g	2.055	2.090	0.983	98.325	-
802.11n_HT20	1.905	1.935	0.984	98.450	-

Duty cycle (Linear) = T<sub>on</sub> time/Period

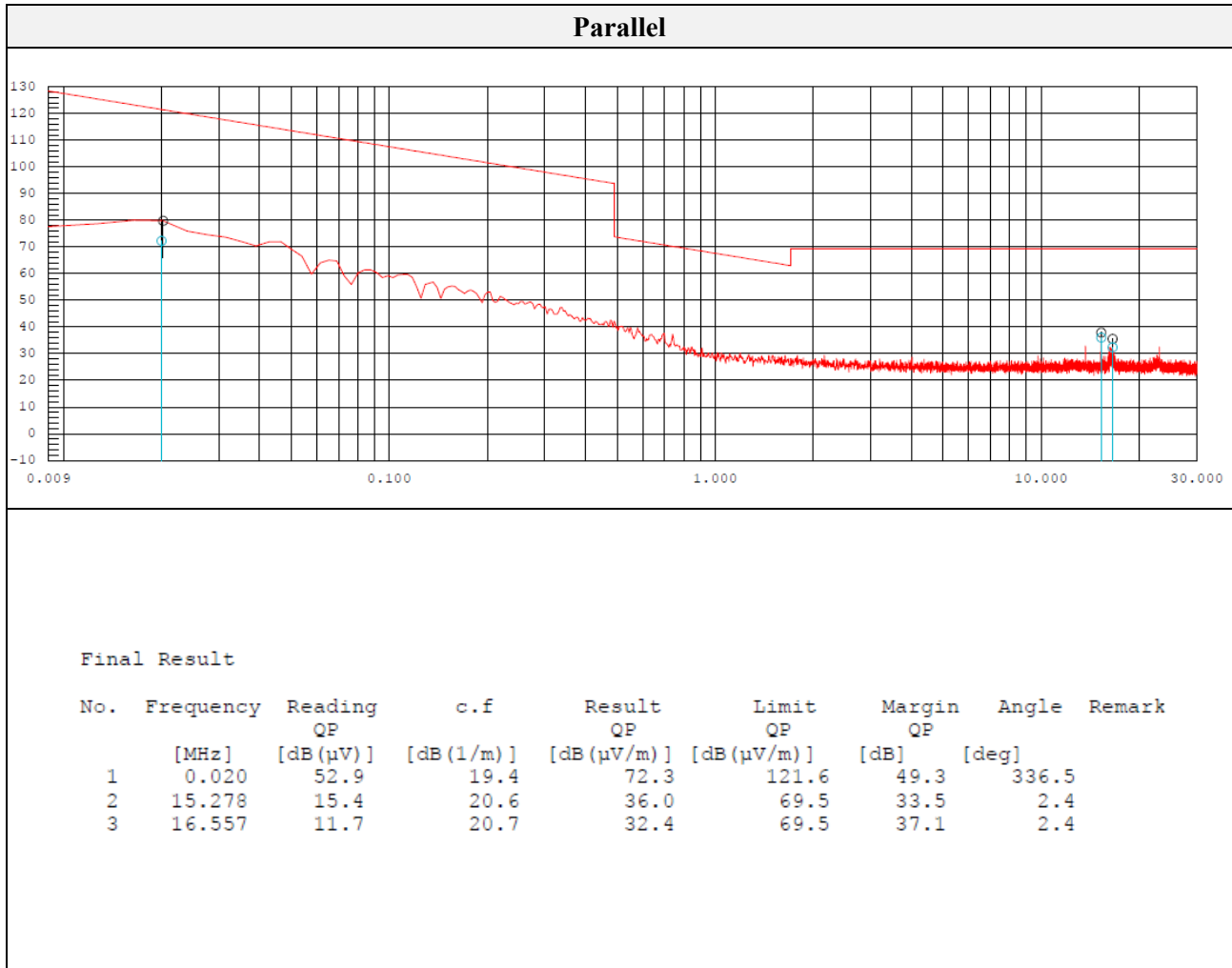
DCF(Duty cycle correction factor (dB)) = 10log(1/duty cycle)



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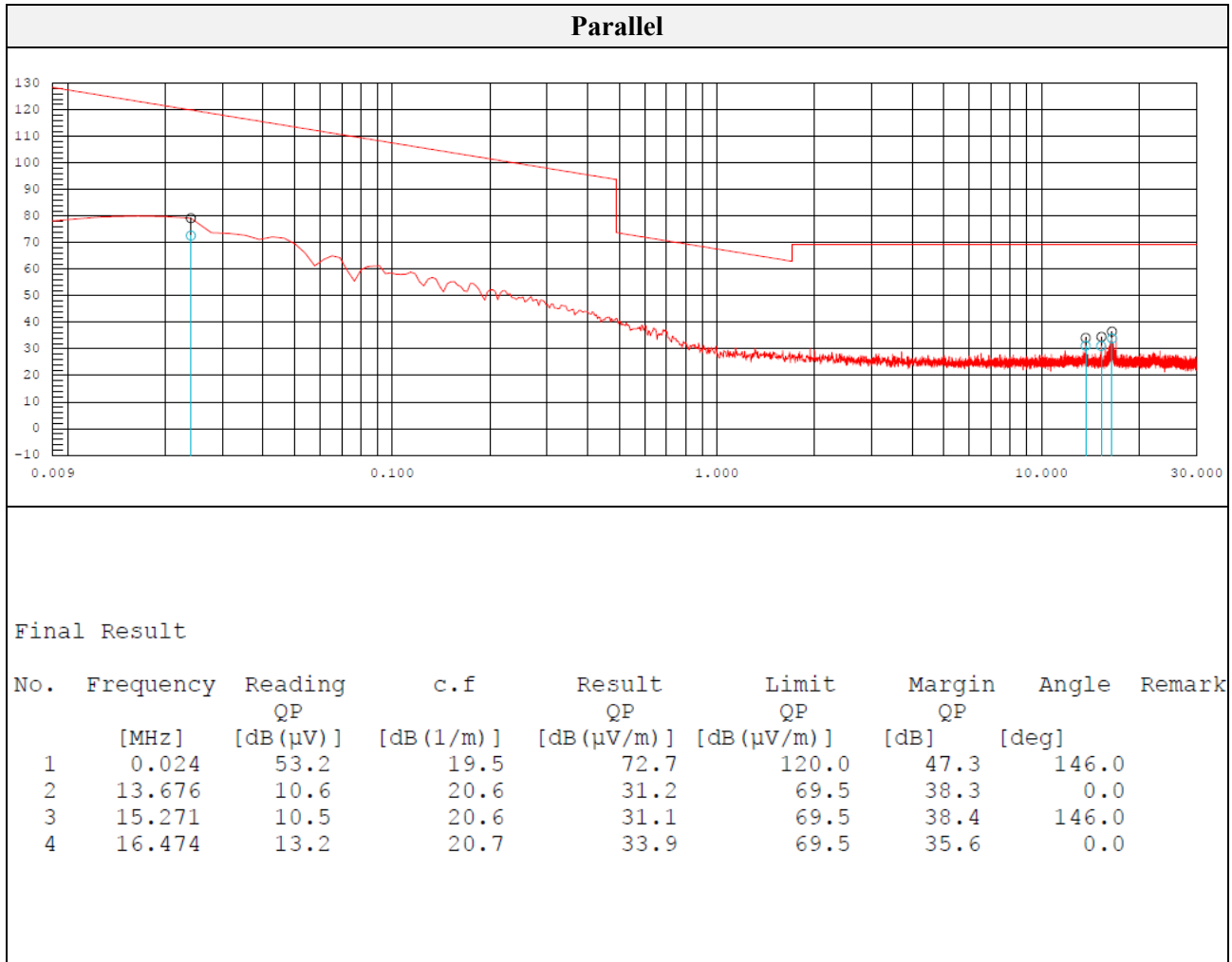
**Test results (Below 30 MHz)**

Mode: 802.11g\_ANT 1  
 Channel: 06 (Worst case)  
 Distance of measurement: 3 meter



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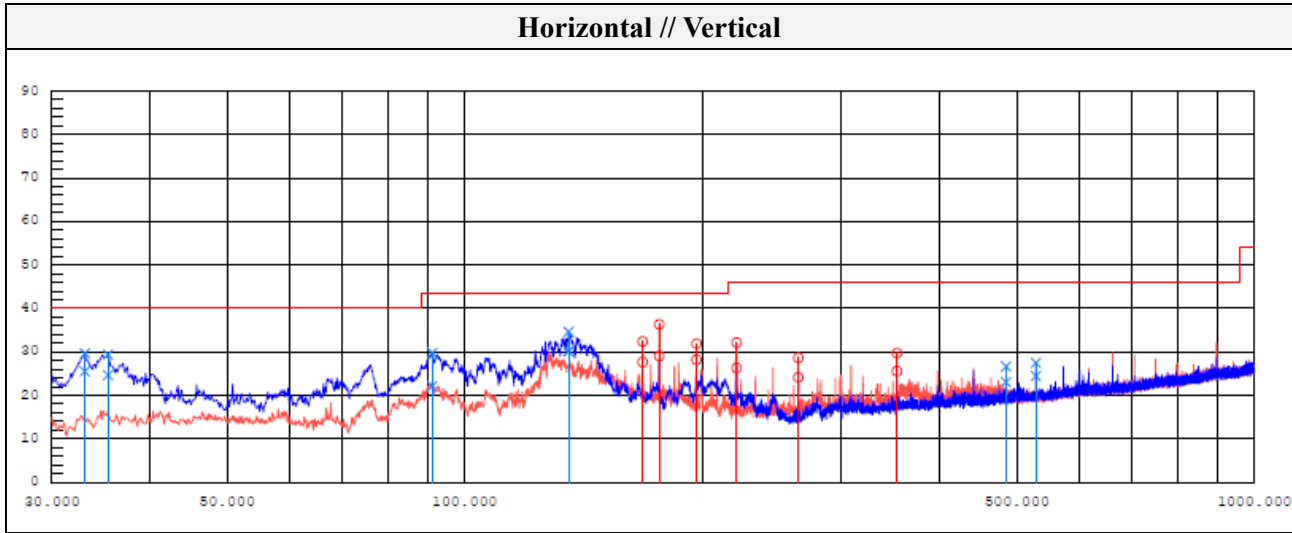
Mode: 802.11g\_ANT 2  
 Channel: 06 (Worst case)  
 Distance of measurement: 3 meter



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

Mode: 802.11g\_ANT 1  
 Channel: 06 (Worst case)  
 Distance of measurement: 3 meter

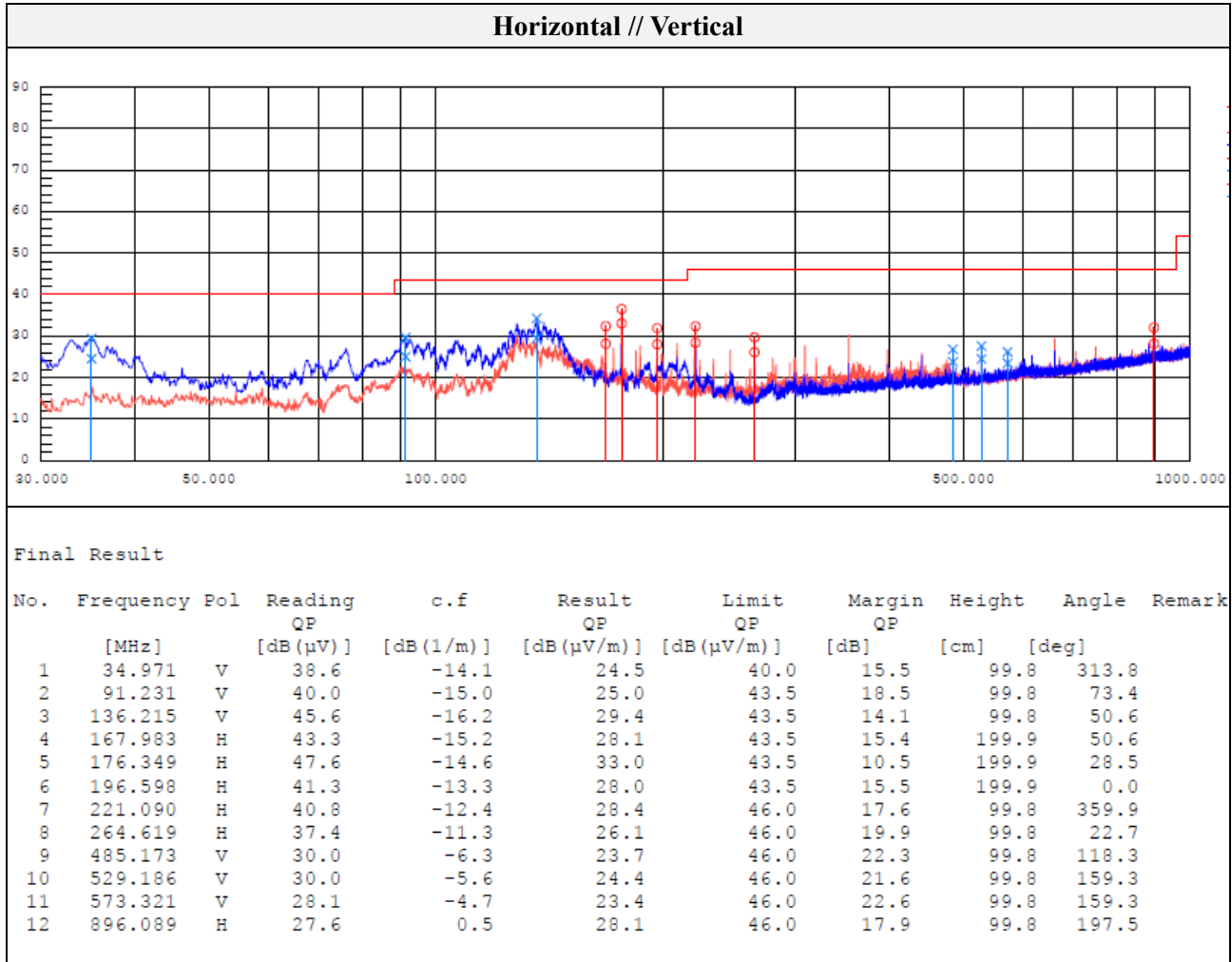


Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB (µV)]	c.f [dB (1/m)]	Result QP [dB (µV/m)]	Limit QP [dB (µV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	33.031	V	40.0	-14.5	25.5	40.0	14.5	99.8	220.4	
2	35.335	V	38.6	-14.0	24.6	40.0	15.4	99.8	263.9	
3	90.989	V	37.1	-15.0	22.1	43.5	21.4	99.8	46.0	
4	135.366	V	46.2	-16.1	30.1	43.5	13.4	99.8	153.3	
5	167.983	H	42.9	-15.2	27.7	43.5	15.8	200.2	154.7	
6	176.349	H	43.7	-14.6	29.1	43.5	14.4	200.2	133.0	
7	196.598	H	41.5	-13.3	28.2	43.5	15.3	99.8	0.5	
8	221.090	H	38.7	-12.4	26.3	46.0	19.7	99.8	31.5	
9	264.619	H	35.5	-11.3	24.2	46.0	21.8	99.8	31.5	
10	352.768	H	34.2	-8.6	25.6	46.0	20.4	99.8	9.1	
11	485.051	V	29.3	-6.3	23.0	46.0	23.0	99.8	65.4	
12	529.186	V	30.0	-5.6	24.4	46.0	21.6	99.8	153.3	

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Mode: 802.11g\_ANT 2  
Channel: 06(Worst case)  
Distance of measurement: 3 meter



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### Test results (Above 1 000 MHz)

Mode: 802.11g (6 Mbps)\_ANT 1  
Channel: 01  
Distance of measurement: 3 meter

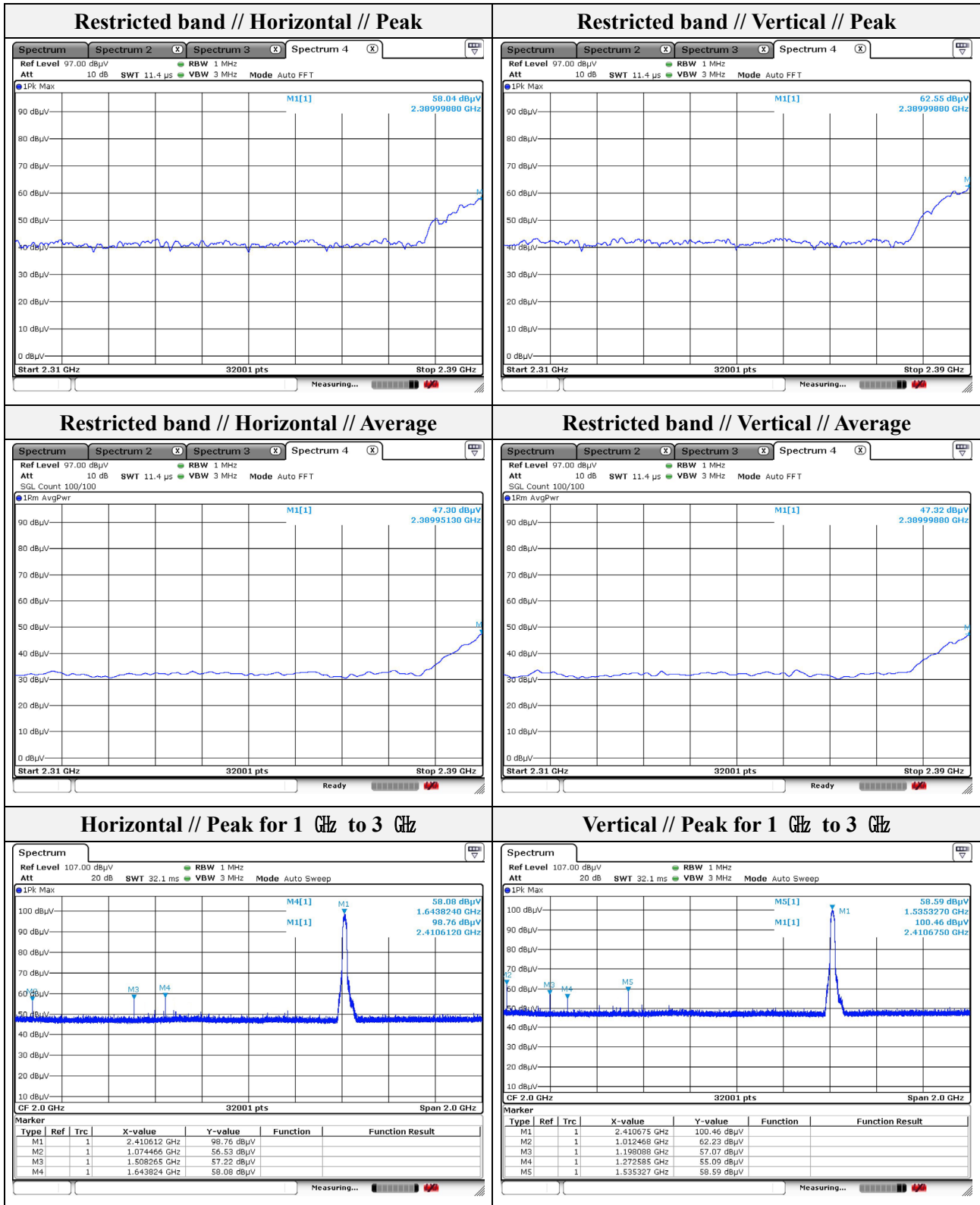
#### - Spurious

Frequency (MHz)	Level (dB $\mu$ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1 012.47	62.23	Peak	V	-9.89	-	52.34	74.00	21.66
1 074.47	56.53	Peak	H	-9.48	-	47.05	74.00	26.95
1 198.09	57.07	Peak	V	-8.66	-	48.41	74.00	25.59
1 272.59	55.09	Peak	V	-8.04	-	47.05	74.00	26.95
1 508.27	57.22	Peak	H	-6.62	-	50.60	74.00	23.40
1 535.33	58.59	Peak	V	-6.45	-	52.14	74.00	21.86
1 643.82	58.08	Peak	H	-5.48	-	52.60	74.00	21.40
3 759.59	42.49	Peak	V	1.91	-	44.40	74.00	29.60
4 825.49	32.47	Peak	H	5.31	-	37.78	74.00	36.22

#### - Band edge

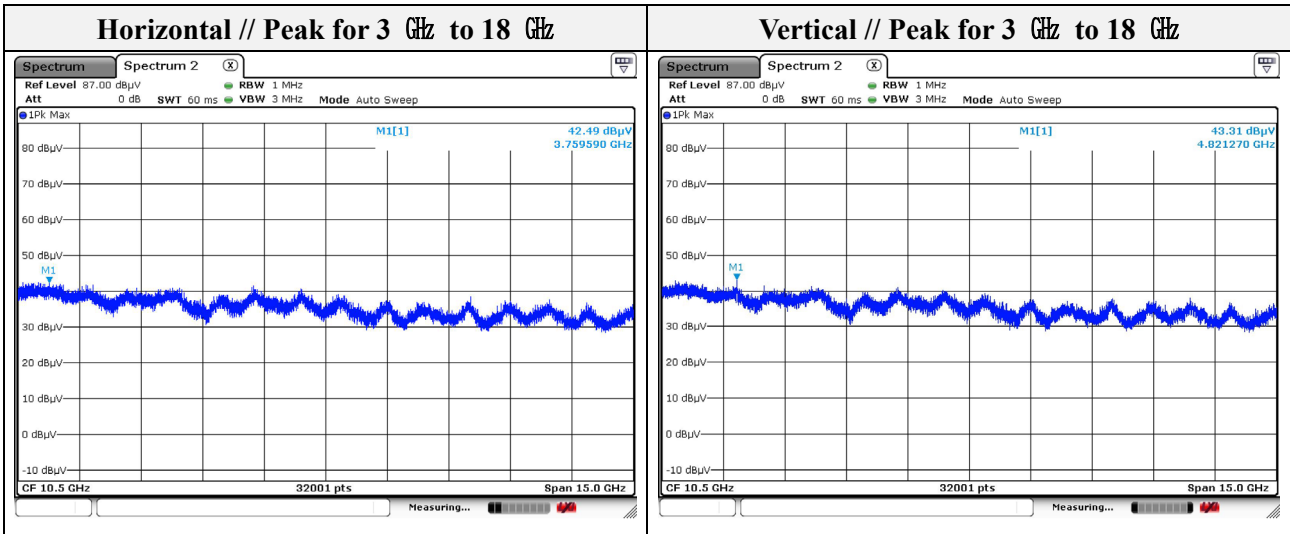
Frequency (MHz)	Level (dB $\mu$ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
2 389.95	47.30	Average	H	-1.86	-	45.44	54.00	8.56
2 390.00	58.04	Peak	H	-1.86	-	56.18	74.00	17.82
2 390.00	62.55	Peak	V	-1.86	-	60.69	74.00	13.31
2 390.00	47.32	Average	H	-1.86	-	45.46	54.00	8.54

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Note.

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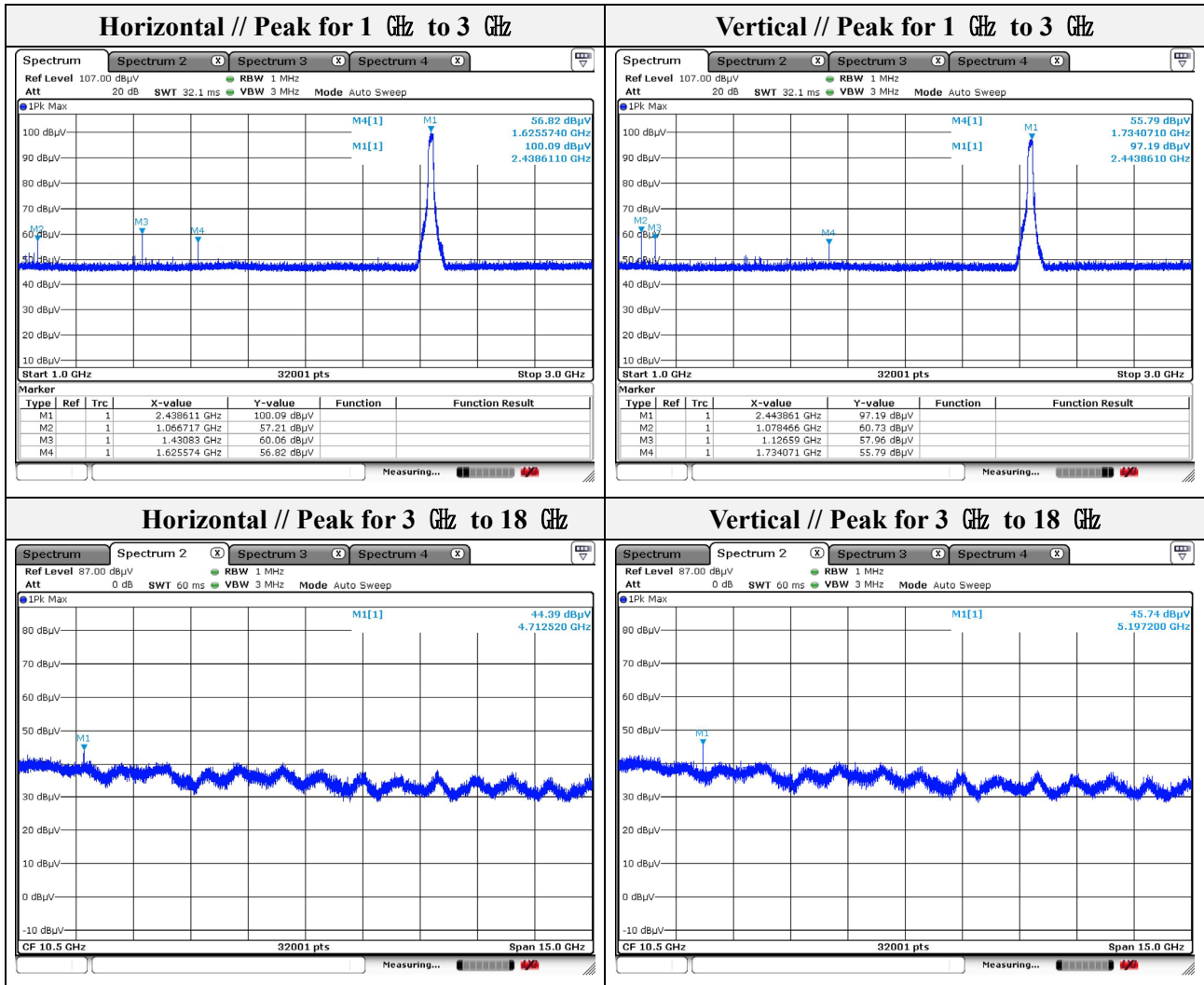
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Mode: 802.11g (6 Mbps)\_ANT 1  
Channel 06  
Distance of measurement: 3 meter

- **Spurious**

Frequency (MHz)	Level (dB $\mu$ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1 066.72	57.21	Peak	H	-9.53	-	47.68	74.00	26.32
1 078.47	60.73	Peak	V	-9.45	-	51.28	74.00	22.72
1 126.59	57.96	Peak	V	-9.13	-	48.83	74.00	25.17
1 430.83	60.06	Peak	H	-6.88	-	53.18	74.00	20.82
1 625.57	56.82	Peak	H	-5.71	-	51.11	74.00	22.89
1 734.07	55.79	Peak	V	-4.35	-	51.44	74.00	22.56
4 712.52	44.39	Peak	H	4.73	-	49.12	74.00	24.88
5 197.20	45.74	Peak	V	6.43	-	52.17	74.00	21.83

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Note.

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



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Mode: 802.11g (6 Mbps)\_ANT 1  
Channel: 11  
Distance of measurement: 3 meter

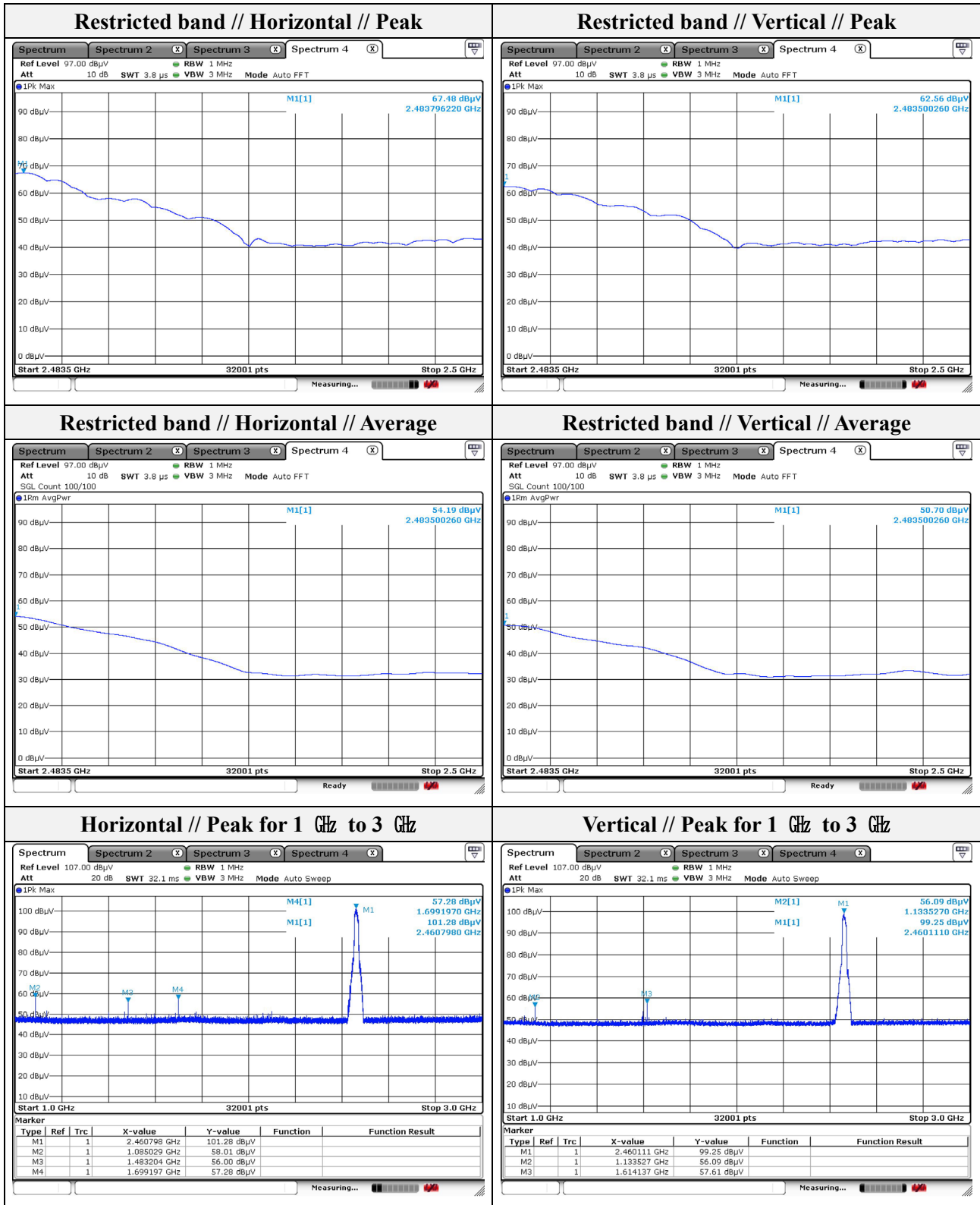
## - Spurious

Frequency (MHz)	Level (dB $\mu$ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1 085.03	58.01	Peak	H	-9.41	-	48.60	74.00	25.40
1 133.53	56.09	Peak	V	-9.09	-	47.00	74.00	27.00
1 483.20	56.00	Peak	H	-6.72	-	49.28	74.00	24.72
1 614.14	57.61	Peak	V	-5.86	-	51.75	74.00	22.25
1 699.20	57.28	Peak	H	-4.79	-	52.49	74.00	21.51
4 795.96	43.39	Peak	V	5.12	-	48.51	74.00	25.49
4 920.17	44.51	Peak	H	5.96	-	50.47	74.00	23.53

## - Band edge

Frequency (MHz)	Level (dB $\mu$ V)	Detect mode	Ant. Pol. (H/V)	CF (dB)	DCF (dB)	Field strength (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
2 483.50	62.56	Peak	H	-1.66	-	60.90	74.00	13.10
2 483.50	54.19	Average	V	-1.66	-	52.53	54.00	1.47
2 483.50	50.70	Average	H	-1.66	-	49.04	54.00	4.96
2 483.80	67.48	Peak	V	-1.66	-	65.82	74.00	8.18

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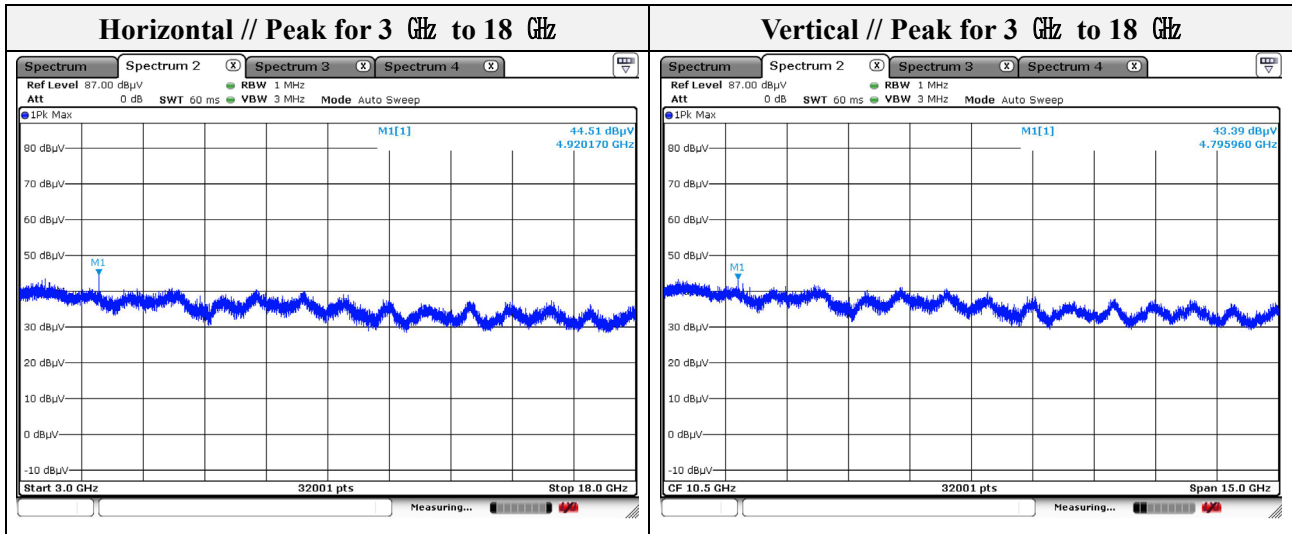
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