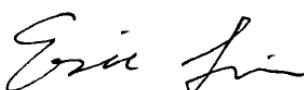


TEST REPORT

Application No.:	KSCR2210001962AT
FCC ID:	2AXVM-HM-TR2E
IC:	26572-HMTR2E
Applicant:	Hangzhou Microimage Software Co.,Ltd
Address of Applicant:	Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang
Manufacturer:	Hangzhou Microimage Software Co.,Ltd
Address of Manufacturer:	Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang
Factory:	Hangzhou Microimage Intelligent Technology Co., Ltd.
Address of Factory:	Floor 2, Building A1, 299 Qushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou City, Zhejiang Province
Equipment Under Test (EUT):	
EUT Name:	Digital Night Vision Scope/Digital Night Vision Monocular
Model No.:	C32F-S,C32F-SN,C32F-R,C32F,C32F-RN,C32F-N,C32F-SL,C32F-SNL,C32F-RL,C32F-L,C32F-RNL,C32F-NL♣
Add Model No.:	HM-TR2E-32Q/W-C32F-SL, HM-TR2E-32Q/W-C32F-SNL, HM-TR2E-32Q/W-C32F-RL, HM-TR2E-32Q/W-C32F-L, HM-TR2E-32Q/W-C32F-RNL, HM-TR2E-32Q/W-C32F-NL
For IC Model No:	C32F-S, C32F-SN
Add IC Model No.:	C32F-SNL, C32F-RL, C32F-L, C32F-RNL, C32F-NL, C32F-SL
Trade Mark:	HIKMICRO
Standard(s) :	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017 RSS-Gen Issue 5 Amendment 2 (February 2021)
Date of Receipt:	2022-10-18
Date of Test:	2022-10-19 to 2022-10-27
Date of Issue:	2022-10-27
Test Result:	Pass*

* In the configuration tested, the EUT complied with the standards specified above.



Eric Lin
Laboratory Manager



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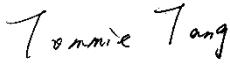
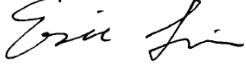
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 2 of 69

Revision Record			
Version	Description	Date	Remark
00	1. Changed WIFI antenna 2. Added the laser module 3. Added some models 4. Changed appearance of lens cap	2022-10-27	Based on KSCR220800134701

Authorized for issue by:			
	 Tommie Tang		
	Tommie_Tang/Project Engineer		
	 Eric Lin		
	Eric Lin /Reviewer		

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2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	ANSI C63.10 (2013) Section 6.10.5	Pass
Radiated Spurious Emissions Below 1GHz	ANSI C63.10 (2013) Section 6.4,6.5	RSS-247 Section 3.3 & RSS-Gen Section 8.9	ANSI C63.10 (2013) Section 6.10.5	Pass
Radiated Spurious Emissions Above 1GHz	ANSI C63.10 (2013) Section 6.6	RSS-247 Section 3.3 & RSS-Gen Section 8.9	ANSI C63.10 (2013) Section 6.4,6.5,6.6	Pass

Note 1: This report was an additional report copied from the report KSCR220800134701, new report changed antenna, appearance of lens cap, added the laser device and added some models, and test items for Radiated Emissions which fall in the restricted bands Emissions which fall in the restricted bands, Radiated Spurious Emissions.

Note 2: There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model C32F-SL was tested since their differences were the model number.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 5V by USB or DC 3.6V by battery Battery Model: HM-3632DC Rated Voltage: 3.6V Capacity: 3200mAh Energy: 11.52Wh
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz; 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK); 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels:	802.11b/g/n(HT20): 11; 802.11n(HT40): 7
Channel Spacing:	5MHz
Antenna Type:	LDS Antenna
Antenna Gain:	1.15dBi(Provided by the manufacturer)

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Notebook	LENOVO	K27	/
SecureCRT	VanDyke	V 6.2.0	/
Serial port adapter plate	/	/	/
Adapter	Sichuan Jiuzhou Electronic Technology Co.,Ltd	DYS05200CQ-U	/



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4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

- SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
- SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS**

Compliance Certification Services (Kunshan) Inc. is accredited by the China National Accreditation Service for Conformity Assessment (CNAS). Registration No. CNAS L4354

- **A2LA**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

- **ISED**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

- **VCCI**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/22/2022	08/21/2023
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/22/2022	08/21/2023
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/22/2022	01/21/2023
4	Signal Generator	R&S	SMW200A	KSEM020-1	08/22/2022	08/21/2023
5	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/22/2022	08/21/2023
6	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/22/2022	08/21/2023
7	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	04/01/2022	03/31/2023
8	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/22/2022	08/21/2023
9	Switcher	CCSRF	FY562	KUS2001M001-3	08/22/2022	08/21/2023
10	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
11	DC Power Supply	Agilent	E3632A	KS301180	N.C.R	N.C.R
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/16/2022	01/15/2023
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	04/01/2021	03/31/2023
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	04/14/2022	04/13/2023
15	Software	BST	TST-PASS	/	N/A	N/A
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
3	Signal Generator	Agilent	E8257C	KS301066	08/22/2022	08/21/2023
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	04/02/2022	04/01/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/22/2021	02/21/2023
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/17/2022	03/16/2023
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/22/2022	01/21/2023
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/22/2022	01/21/2023
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	11/14/2021	11/13/2022
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	31/03/2023
14	Software	Faratronic	EZ_EMCA-3A1	/	N/A	N/A

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6 Radio Spectrum Matter Test Results

6.1 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C Humidity: 58.5 % RH Atmospheric Pressure: 1010 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.



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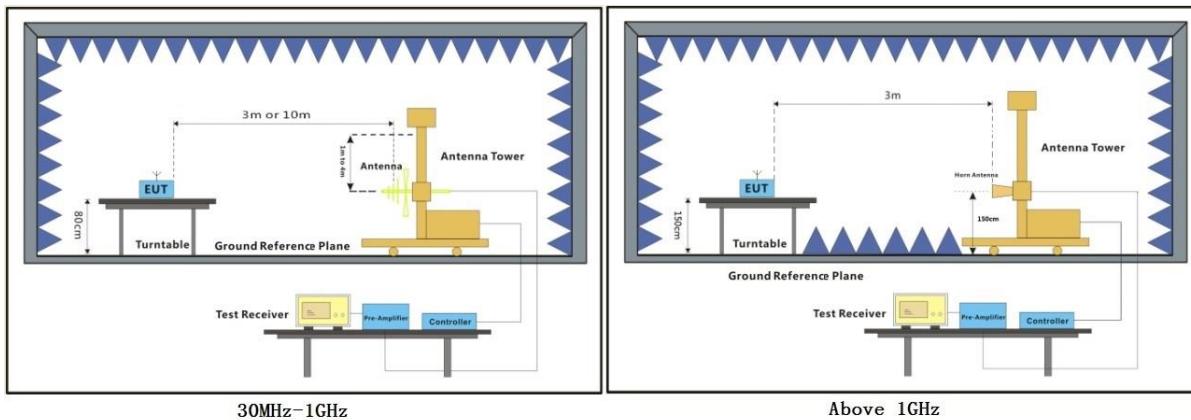
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6.1.3 Test Setup Diagram



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6.1.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is 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.
- e. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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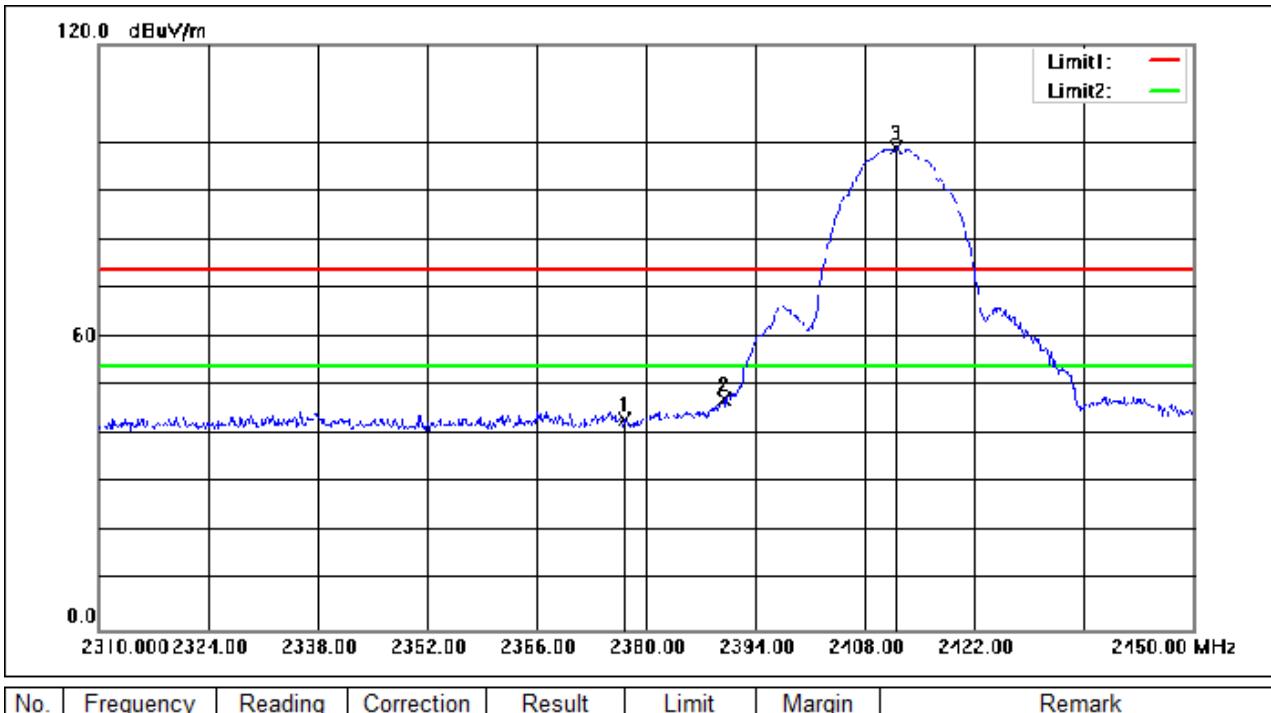
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2377.200	61.77	-18.76	43.01	74.00	-30.99	peak
2	2390.000	66.08	-18.75	47.33	74.00	-26.67	peak
3	2412.060	117.50	-18.71	98.79	74.00	24.79	peak

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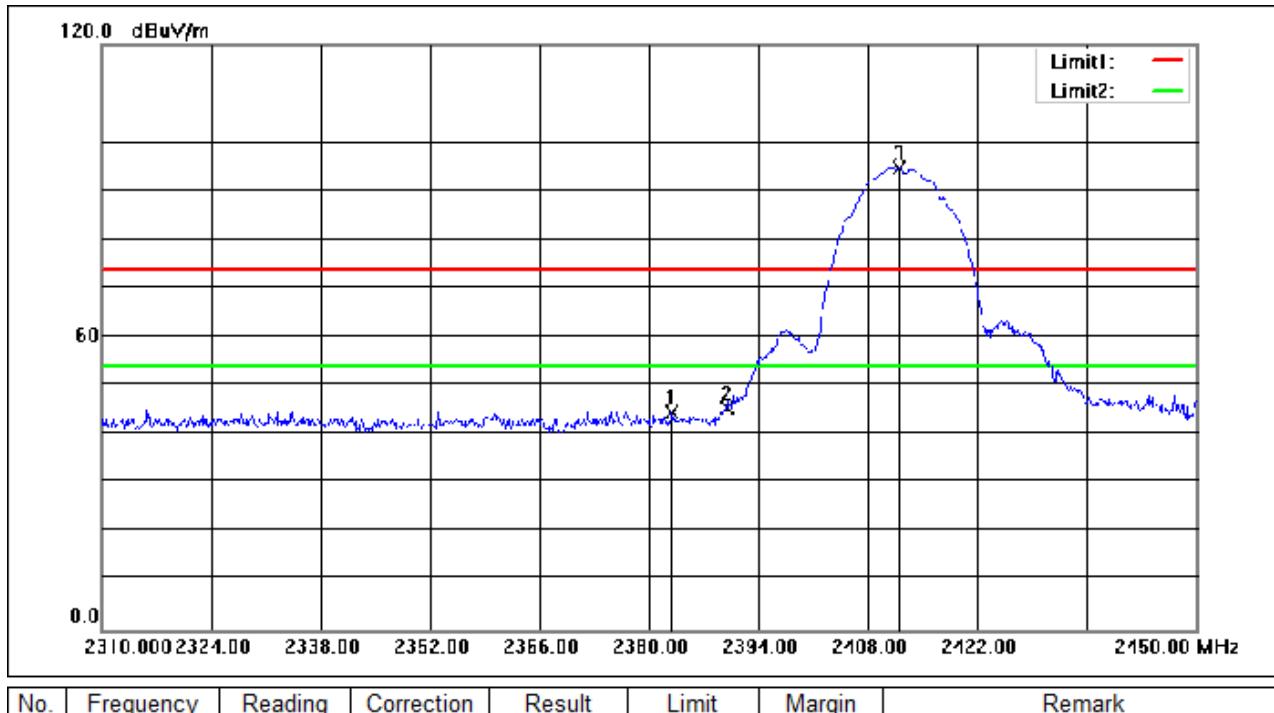


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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2382.940	63.22	-18.76	44.46	74.00	-29.54	peak
2	2390.000	64.35	-18.75	45.60	74.00	-28.40	peak
3	2412.060	113.43	-18.71	94.72	74.00	20.72	peak

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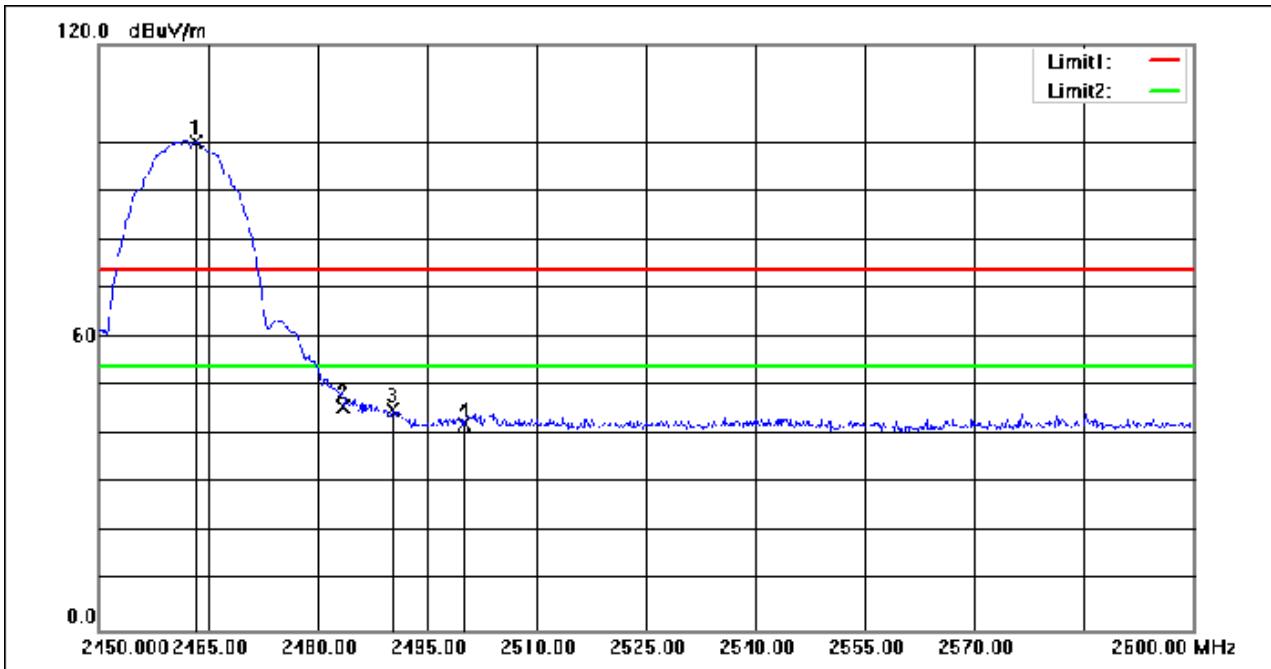
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.200	118.67	-18.52	100.15	74.00	26.15	peak
2	2483.500	64.09	-18.45	45.64	74.00	-28.36	peak
3	2490.350	63.54	-18.42	45.12	74.00	-28.88	peak
4	2500.000	60.49	-18.38	42.11	74.00	-31.89	peak



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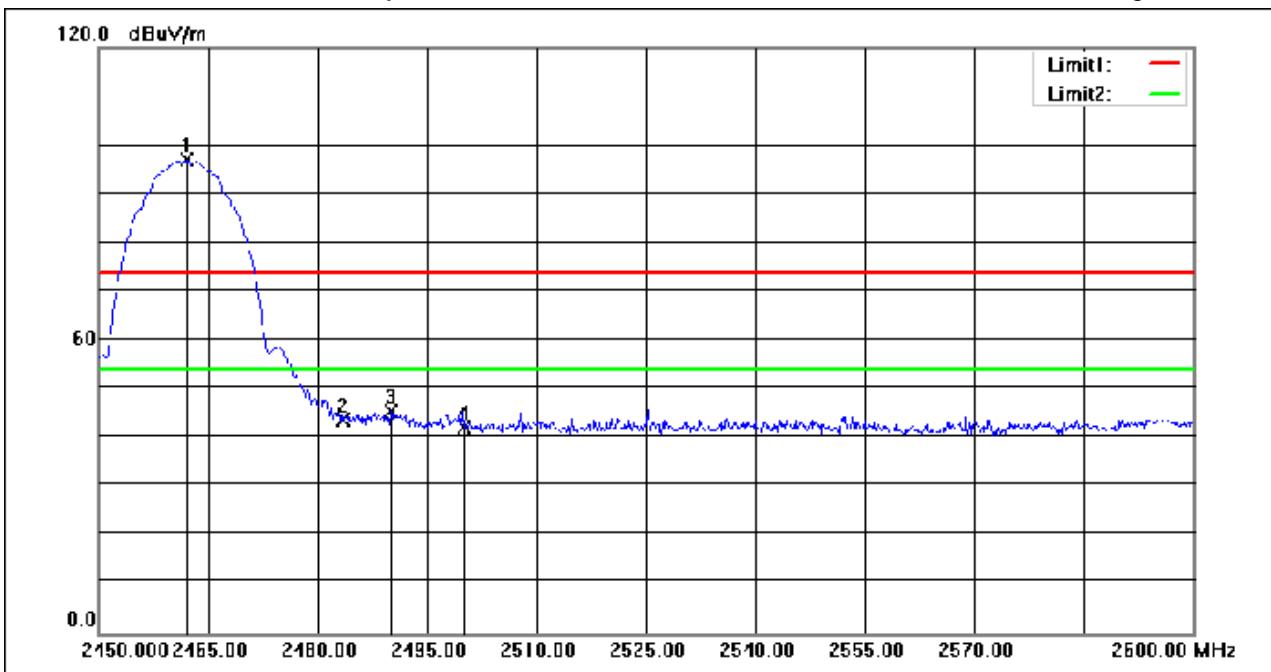
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.000	115.53	-18.53	97.00	74.00	23.00	peak
2	2483.500	62.01	-18.45	43.56	74.00	-30.44	peak
3	2490.050	63.81	-18.42	45.39	74.00	-28.61	peak
4	2500.000	60.57	-18.38	42.19	74.00	-31.81	peak

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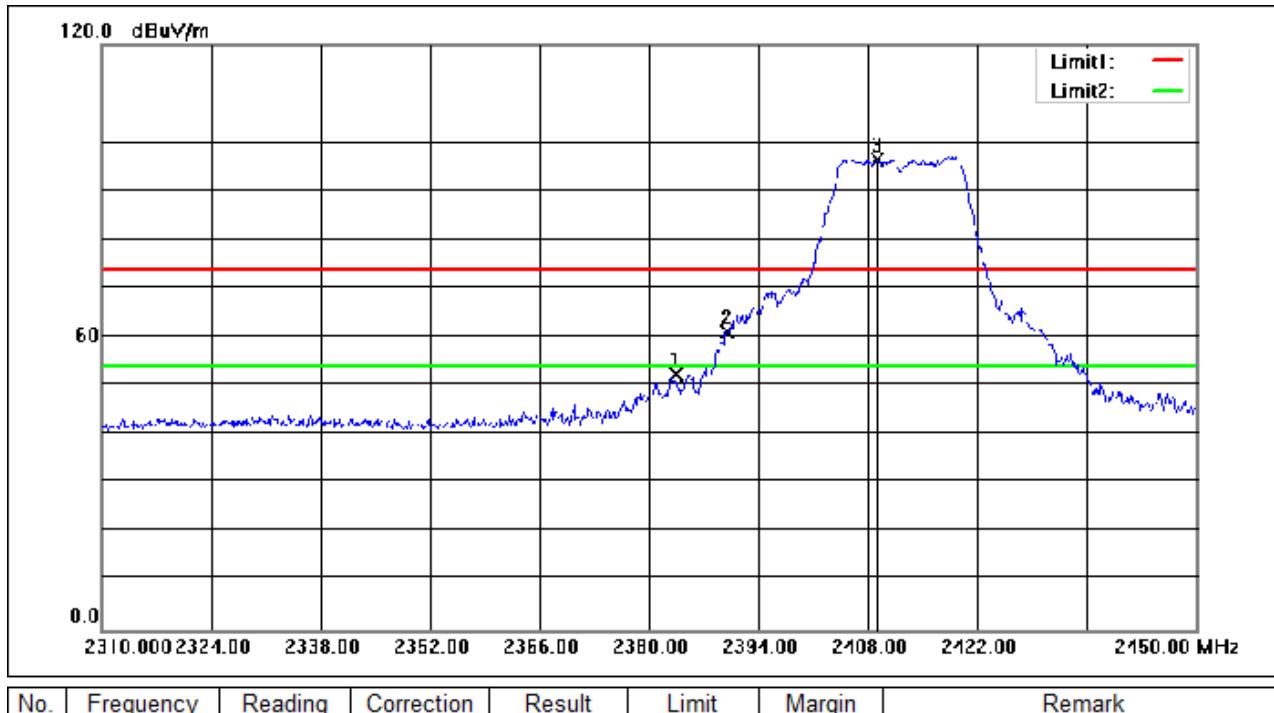
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.500	71.15	-18.76	52.39	74.00	-21.61	peak
2	2390.000	79.67	-18.75	60.92	74.00	-13.08	peak
3	2409.260	115.09	-18.71	96.38	74.00	22.38	peak

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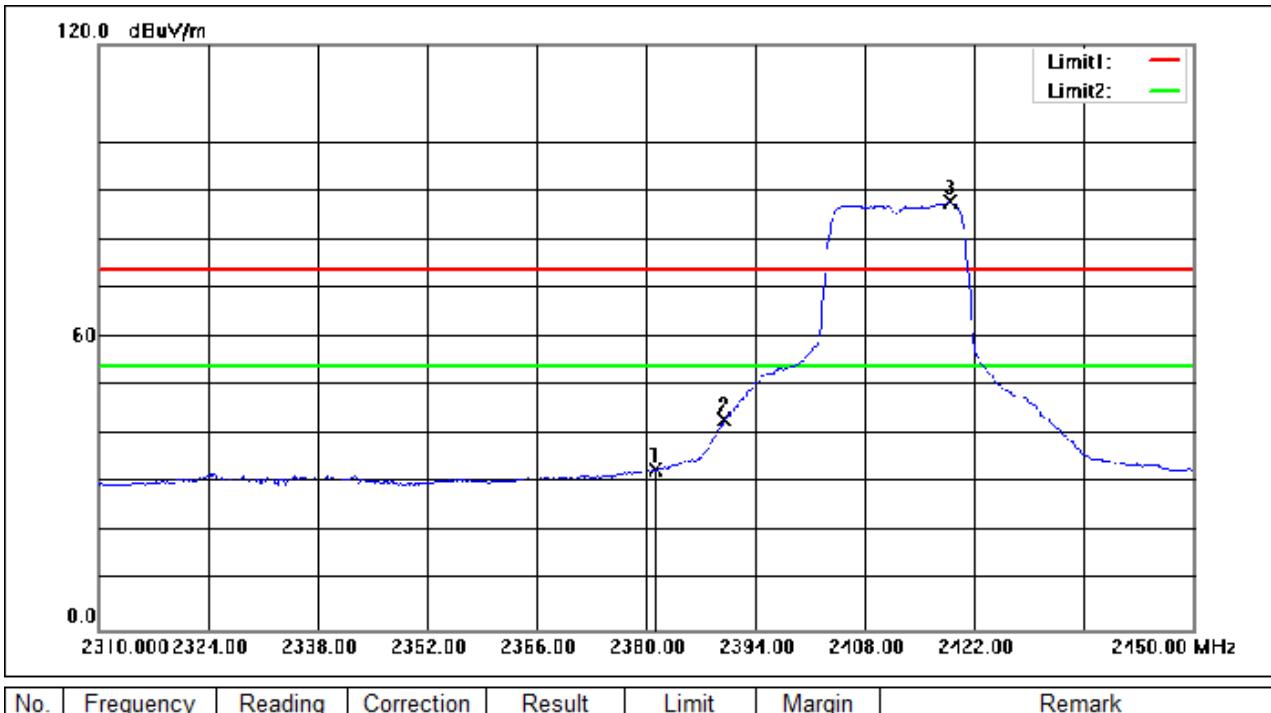
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.260	51.60	-18.75	32.85	54.00	-21.15	AVG
2	2390.000	61.70	-18.75	42.95	54.00	-11.05	AVG
3	2418.920	106.40	-18.68	87.72	54.00	33.72	AVG



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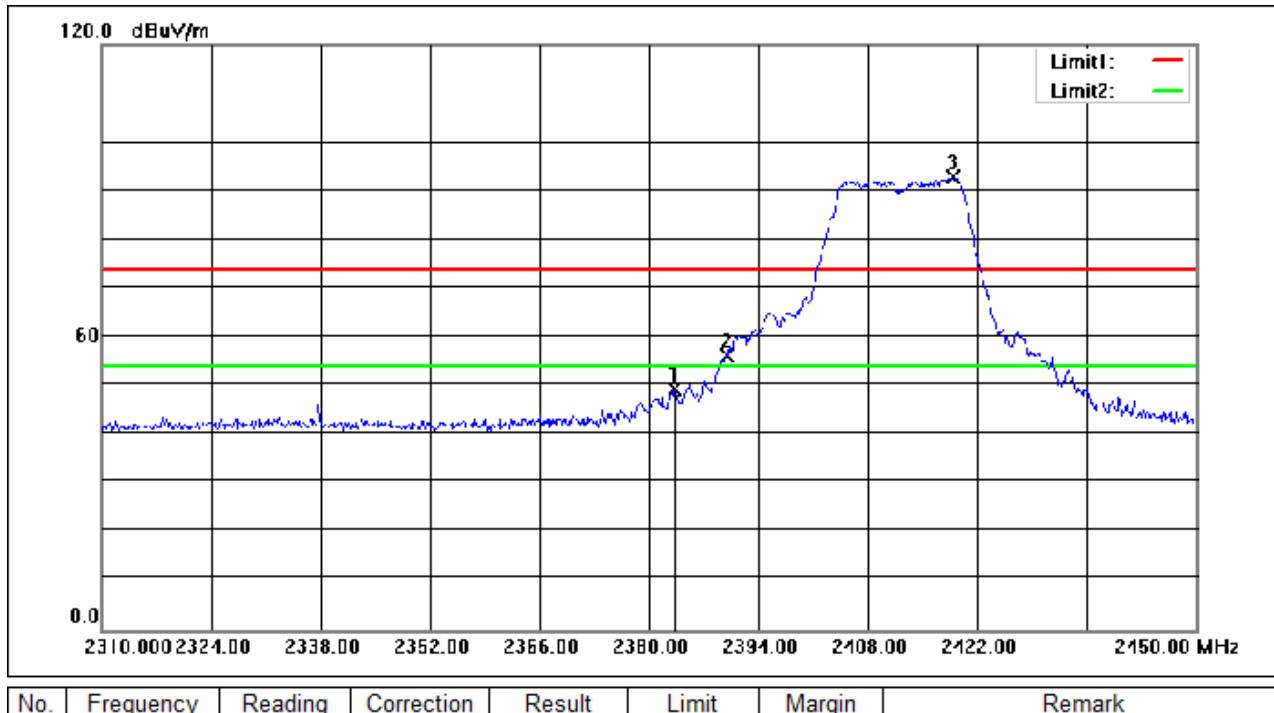
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.220	68.09	-18.76	49.33	74.00	-24.67	peak
2	2390.000	75.10	-18.75	56.35	74.00	-17.65	peak
3	2418.920	111.63	-18.68	92.95	74.00	18.95	peak



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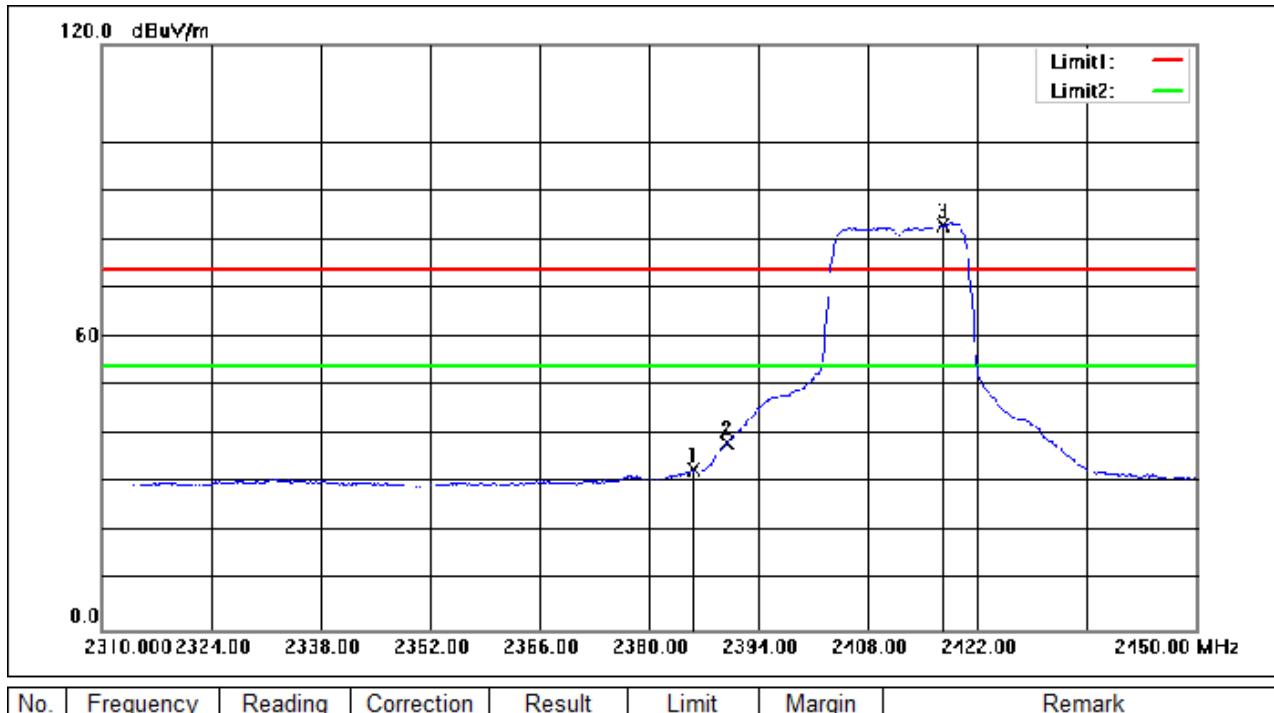
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.740	51.55	-18.76	32.79	54.00	-21.21	AVG
2	2390.000	57.11	-18.75	38.36	54.00	-15.64	AVG
3	2417.660	101.57	-18.68	82.89	54.00	28.89	AVG



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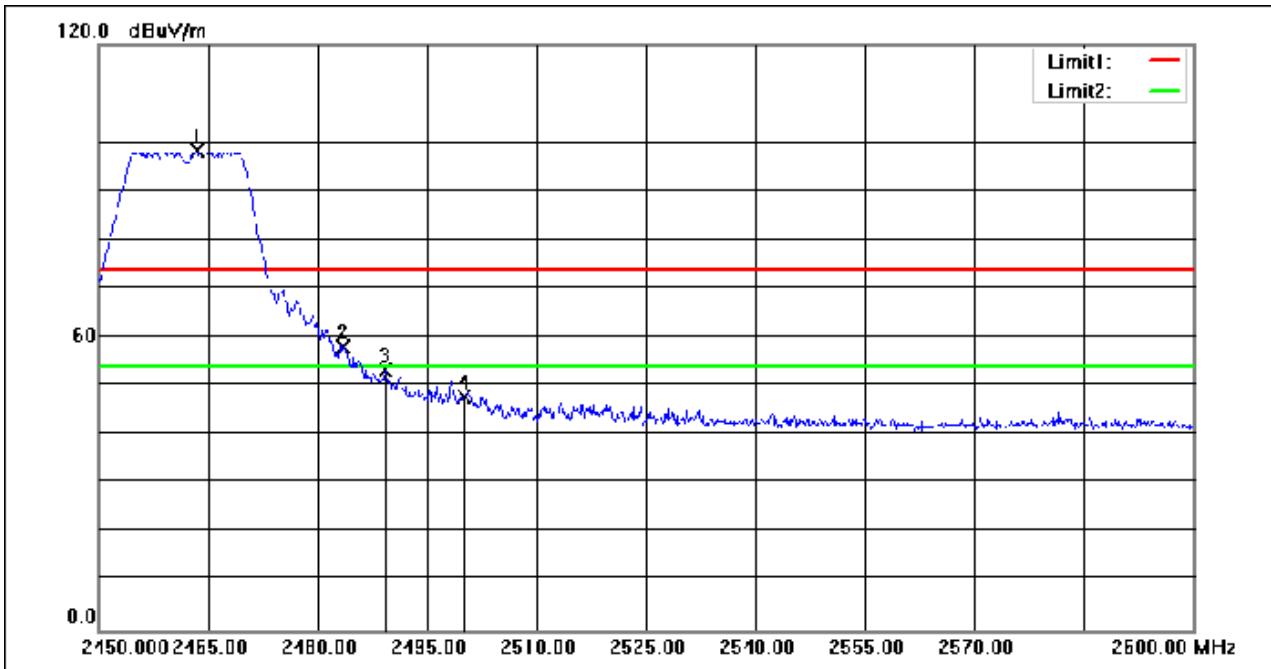
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.500	116.77	-18.52	98.25	74.00	24.25	peak
2	2483.500	76.61	-18.45	58.16	74.00	-15.84	peak
3	2489.300	71.53	-18.42	53.11	74.00	-20.89	peak
4	2500.000	66.37	-18.38	47.99	74.00	-26.01	peak



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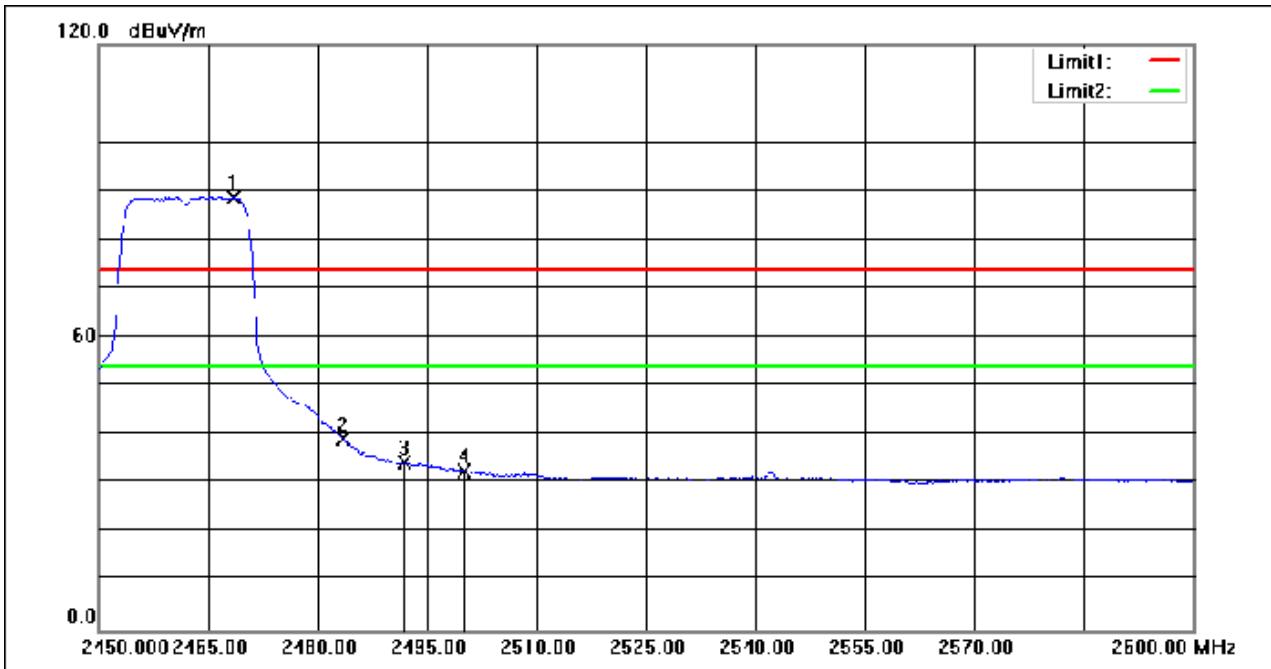
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2468.450	107.23	-18.50	88.73	54.00	34.73	AVG
2	2483.500	57.58	-18.45	39.13	54.00	-14.87	AVG
3	2491.850	52.63	-18.41	34.22	54.00	-19.78	AVG
4	2500.000	51.05	-18.38	32.67	54.00	-21.33	AVG



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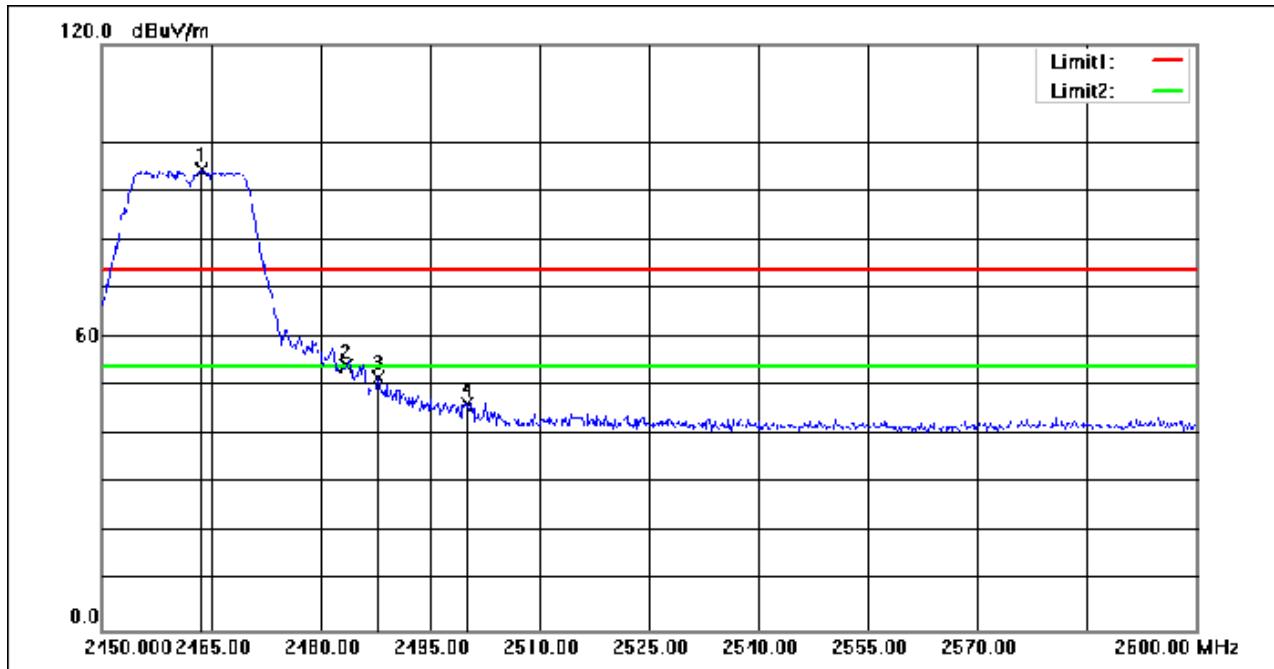
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 22 of 69

Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.650	112.73	-18.52	94.21	74.00	20.21	peak
2	2483.500	72.49	-18.45	54.04	74.00	-19.96	peak
3	2487.950	70.07	-18.43	51.64	74.00	-22.36	peak
4	2500.000	64.69	-18.38	46.31	74.00	-27.69	peak



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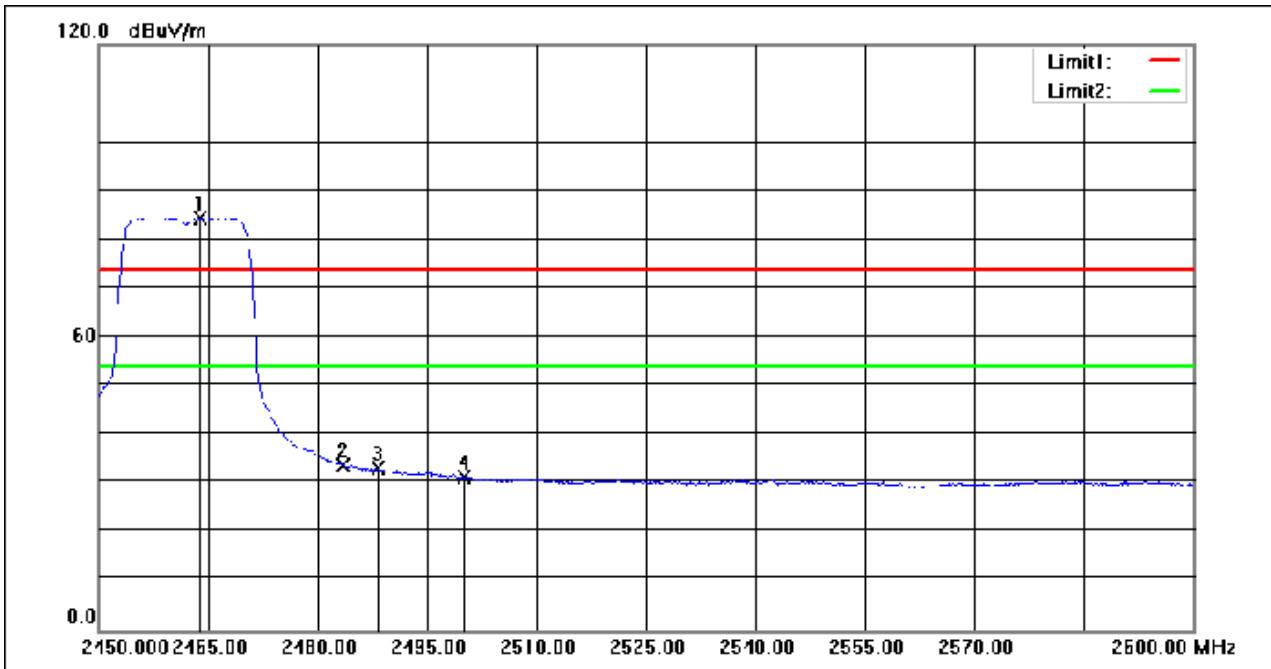
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.950	103.08	-18.52	84.56	54.00	30.56	AVG
2	2483.500	52.19	-18.45	33.74	54.00	-20.26	AVG
3	2488.250	51.61	-18.42	33.19	54.00	-20.81	AVG
4	2500.000	49.64	-18.38	31.26	54.00	-22.74	AVG



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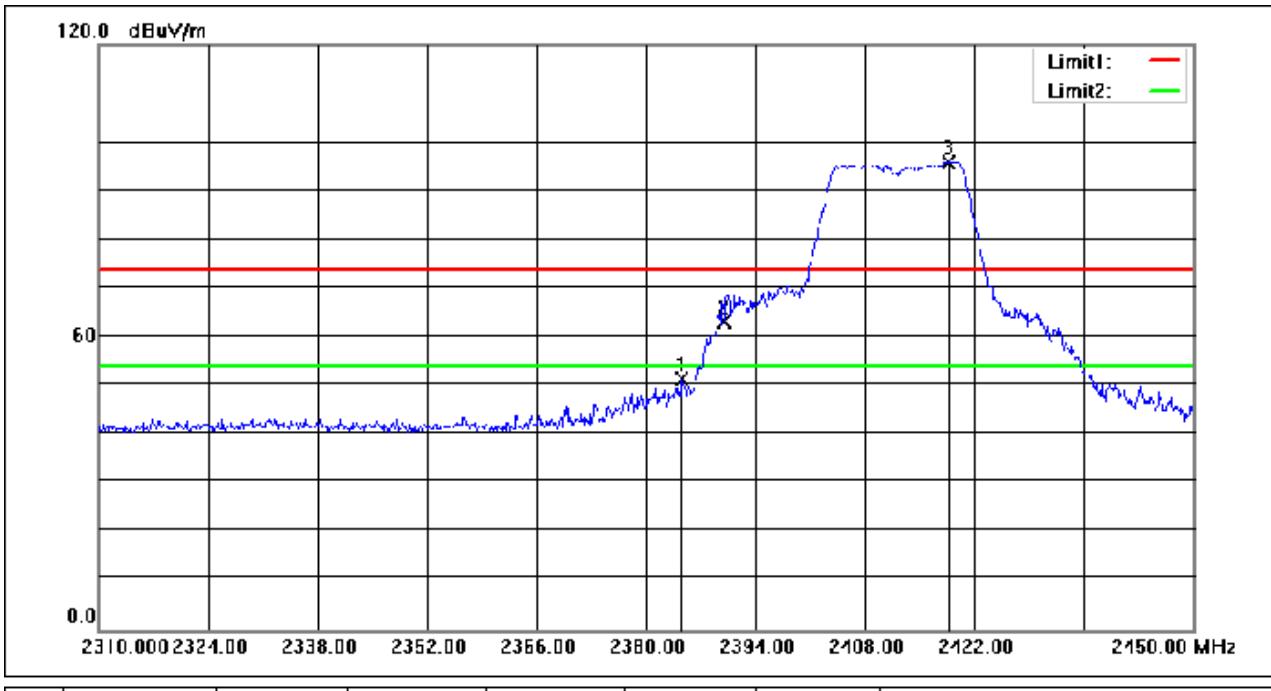
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.620	70.34	-18.76	51.58	74.00	-22.42	peak
2	2390.000	81.82	-18.75	63.07	74.00	-10.93	peak
3	2418.640	114.68	-18.68	96.00	74.00	22.00	peak



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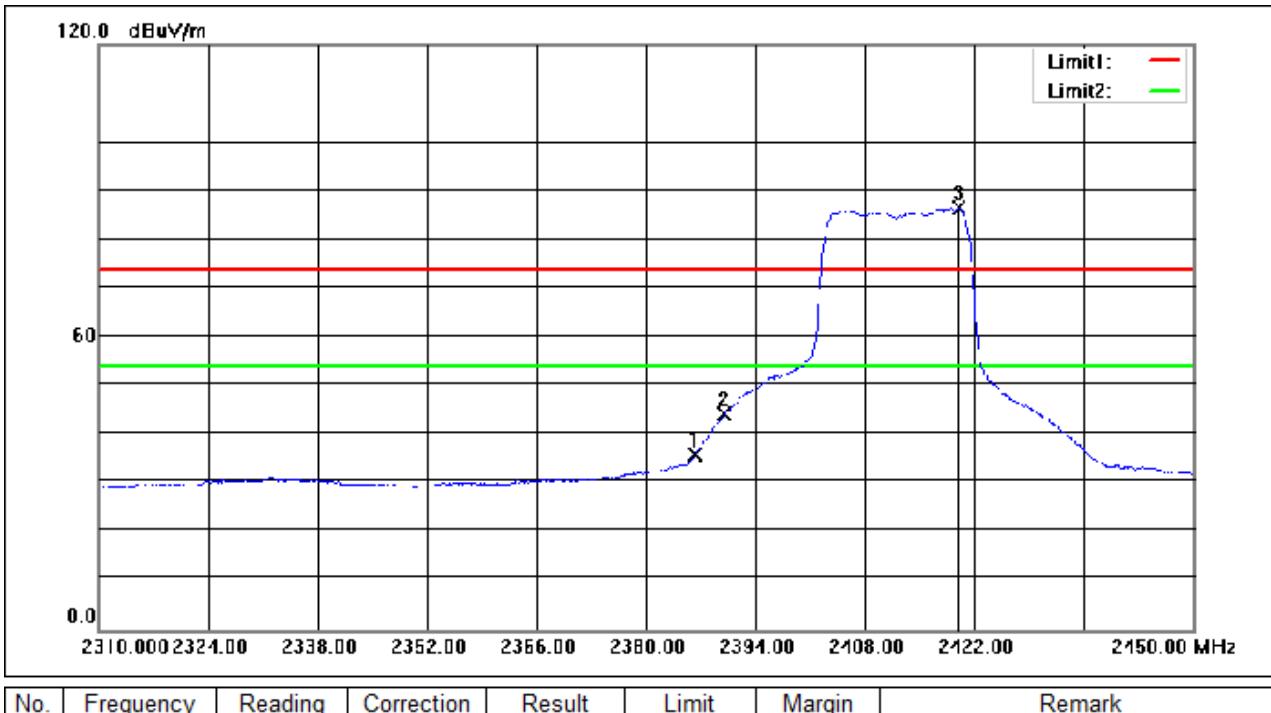
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.300	54.71	-18.76	35.95	54.00	-18.05	AVG
2	2390.000	63.13	-18.75	44.38	54.00	-9.62	AVG
3	2420.040	105.21	-18.67	86.54	54.00	32.54	AVG



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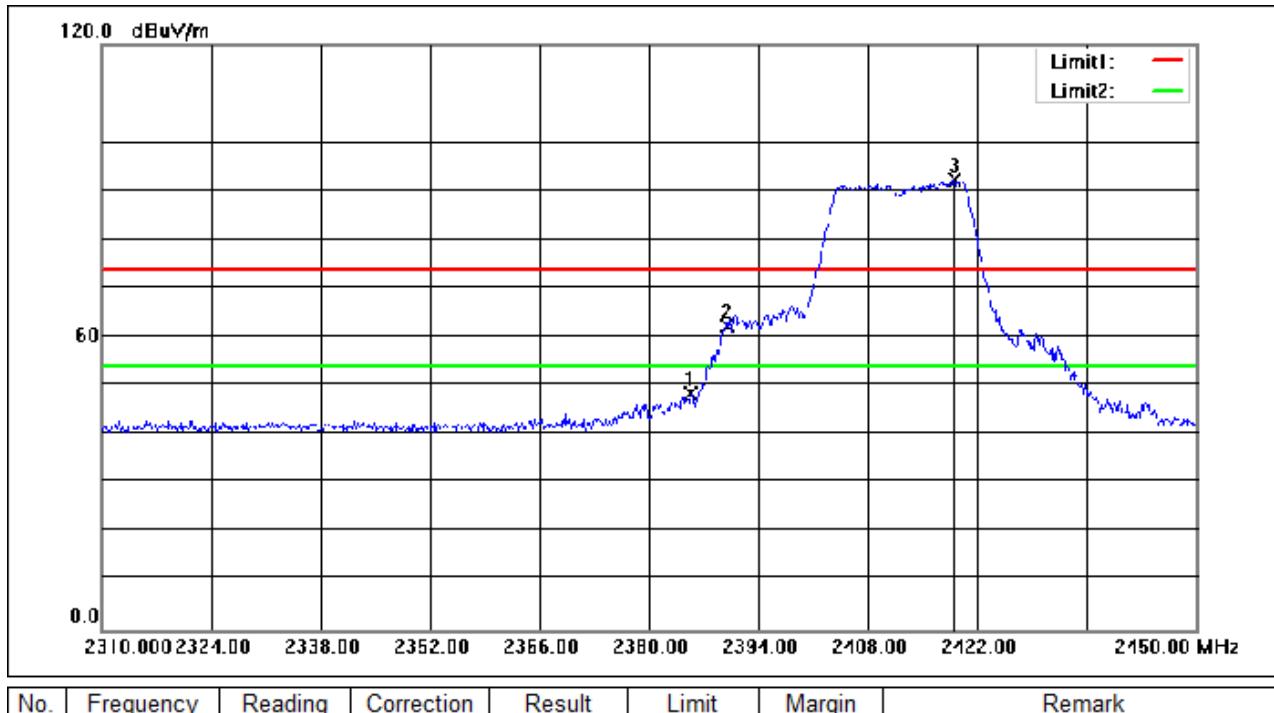
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.320	67.18	-18.76	48.42	74.00	-25.58	peak
2	2390.000	81.13	-18.75	62.38	74.00	-11.62	peak
3	2419.060	110.89	-18.68	92.21	74.00	18.21	peak



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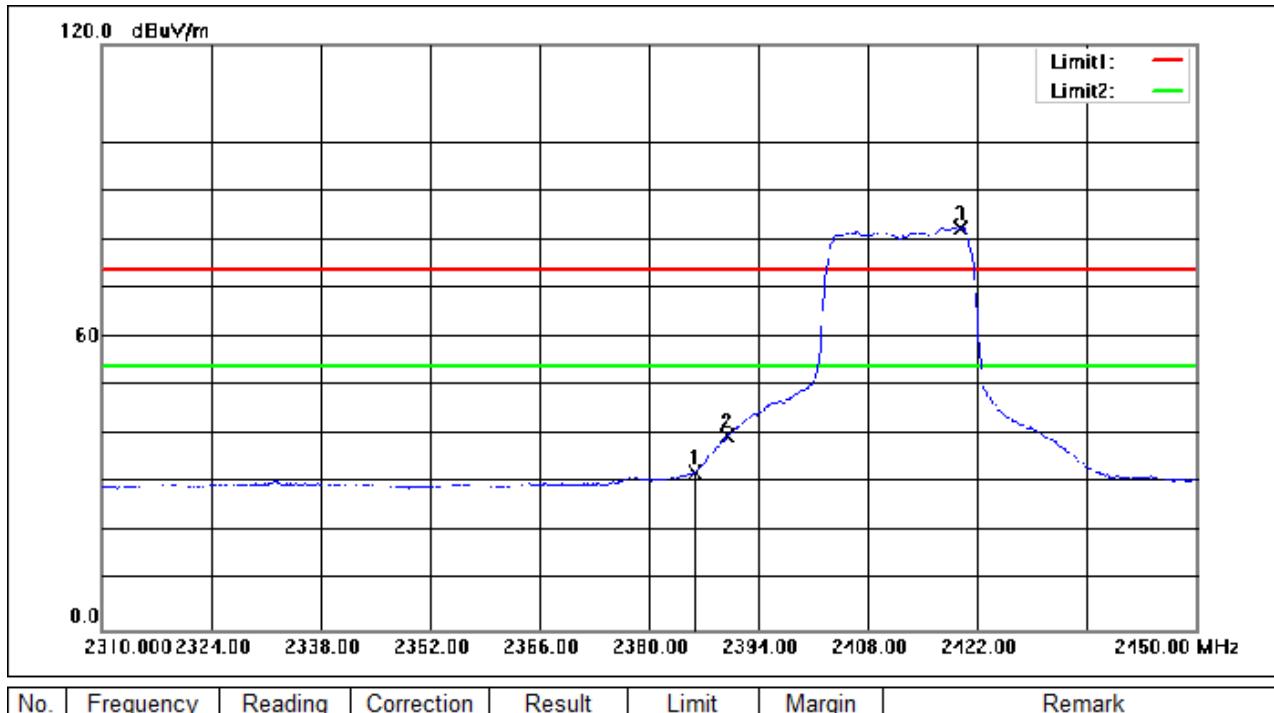
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.880	51.02	-18.76	32.26	54.00	-21.74	AVG
2	2390.000	58.56	-18.75	39.81	54.00	-14.19	AVG
3	2419.900	101.15	-18.67	82.48	54.00	28.48	AVG

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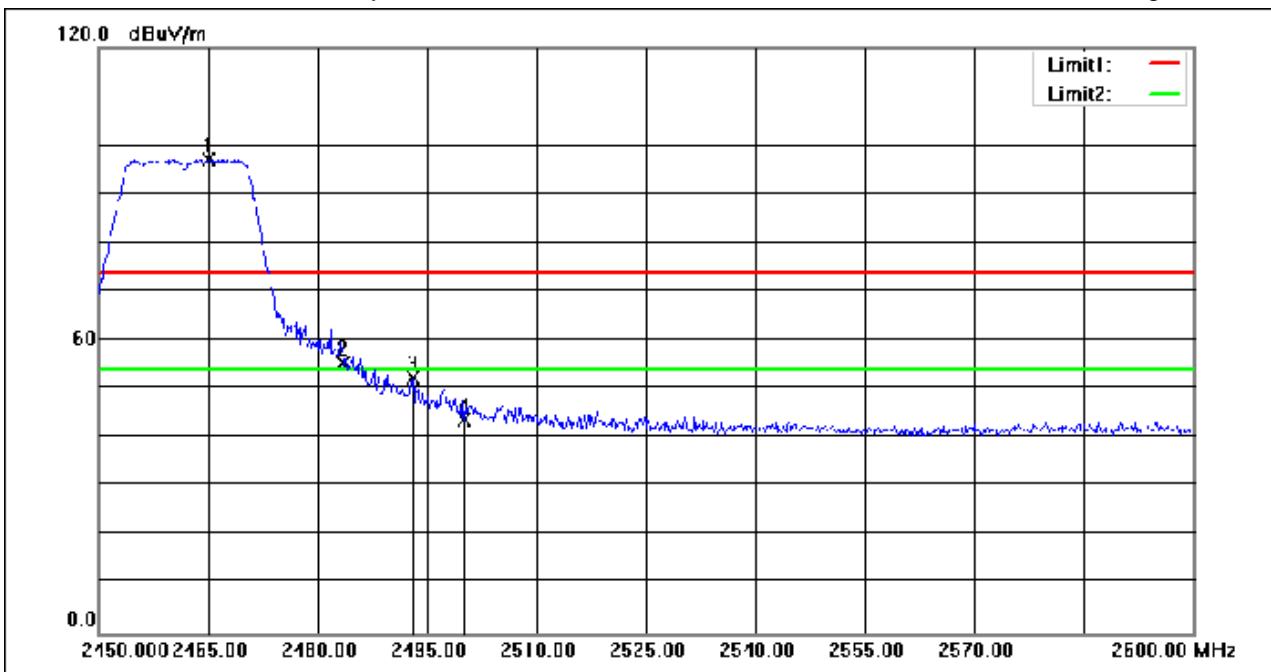
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2465.150	115.61	-18.51	97.10	74.00	23.10	peak
2	2483.500	73.87	-18.45	55.42	74.00	-18.58	peak
3	2493.050	70.63	-18.41	52.22	74.00	-21.78	peak
4	2500.000	62.11	-18.38	43.73	74.00	-30.27	peak



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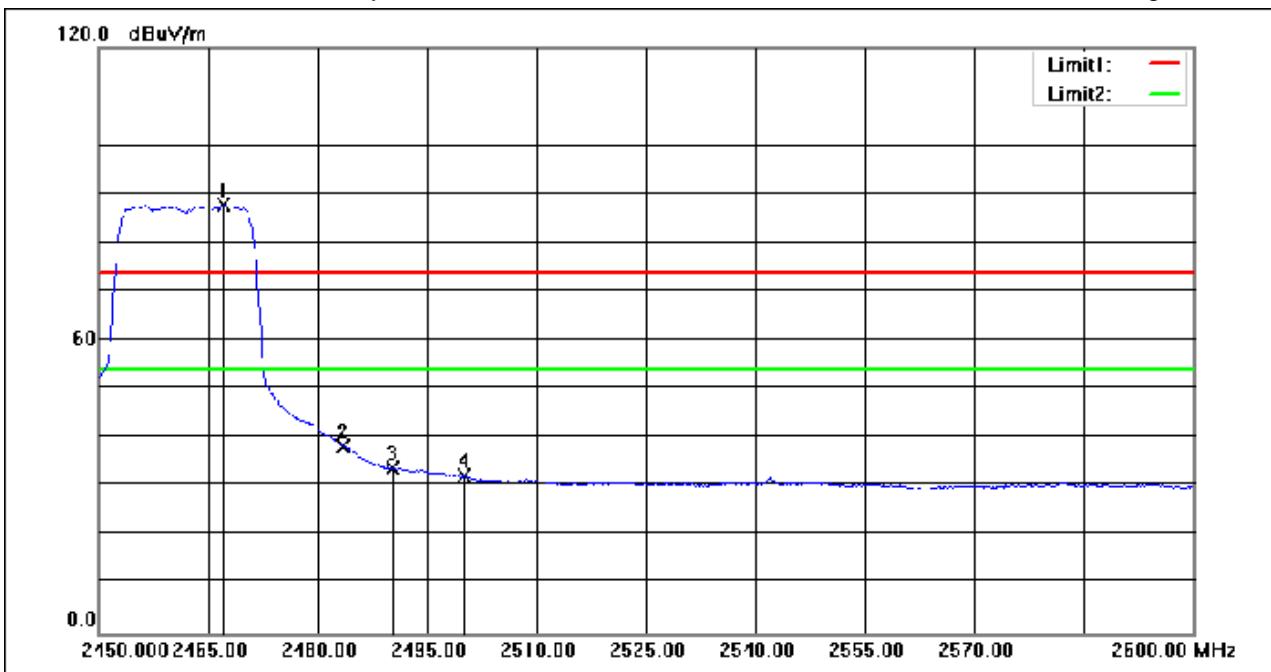
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Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.100	106.20	-18.50	87.70	54.00	33.70	AVG
2	2483.500	56.67	-18.45	38.22	54.00	-15.78	AVG
3	2490.200	52.32	-18.42	33.90	54.00	-20.10	AVG
4	2500.000	50.59	-18.38	32.21	54.00	-21.79	AVG



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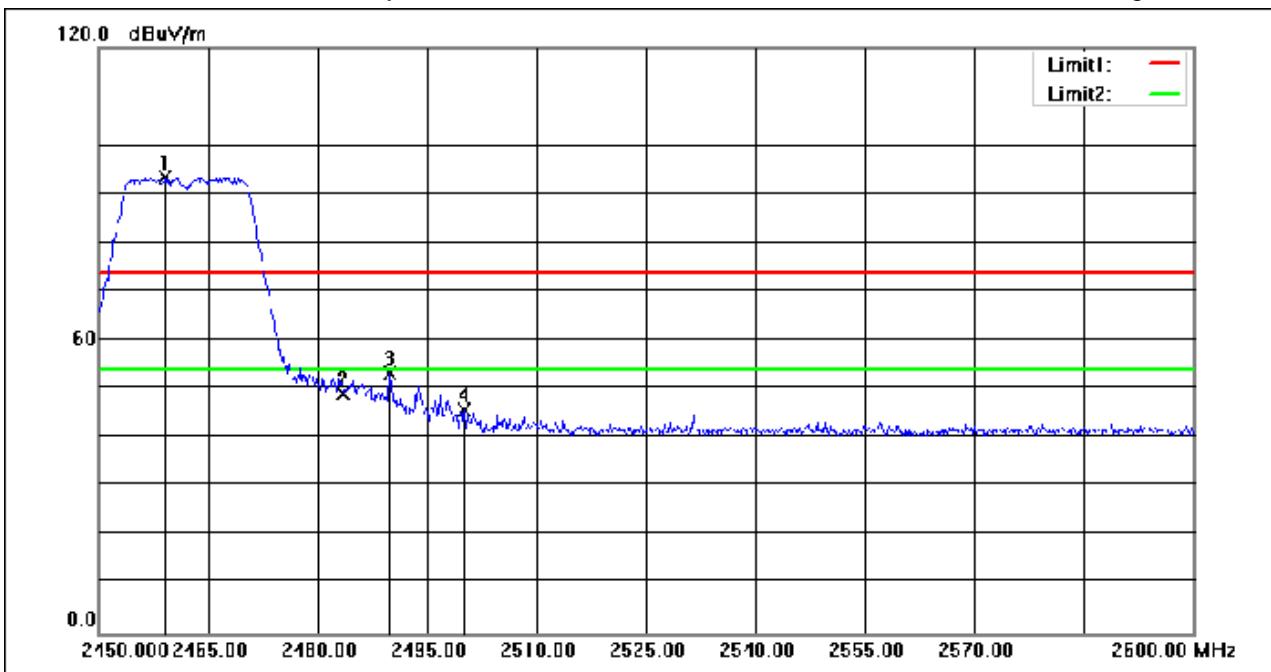
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2459.150	111.96	-18.53	93.43	74.00	19.43	peak
2	2483.500	67.45	-18.45	49.00	74.00	-25.00	peak
3	2489.900	71.59	-18.42	53.17	74.00	-20.83	peak
4	2500.000	64.23	-18.38	45.85	74.00	-28.15	peak



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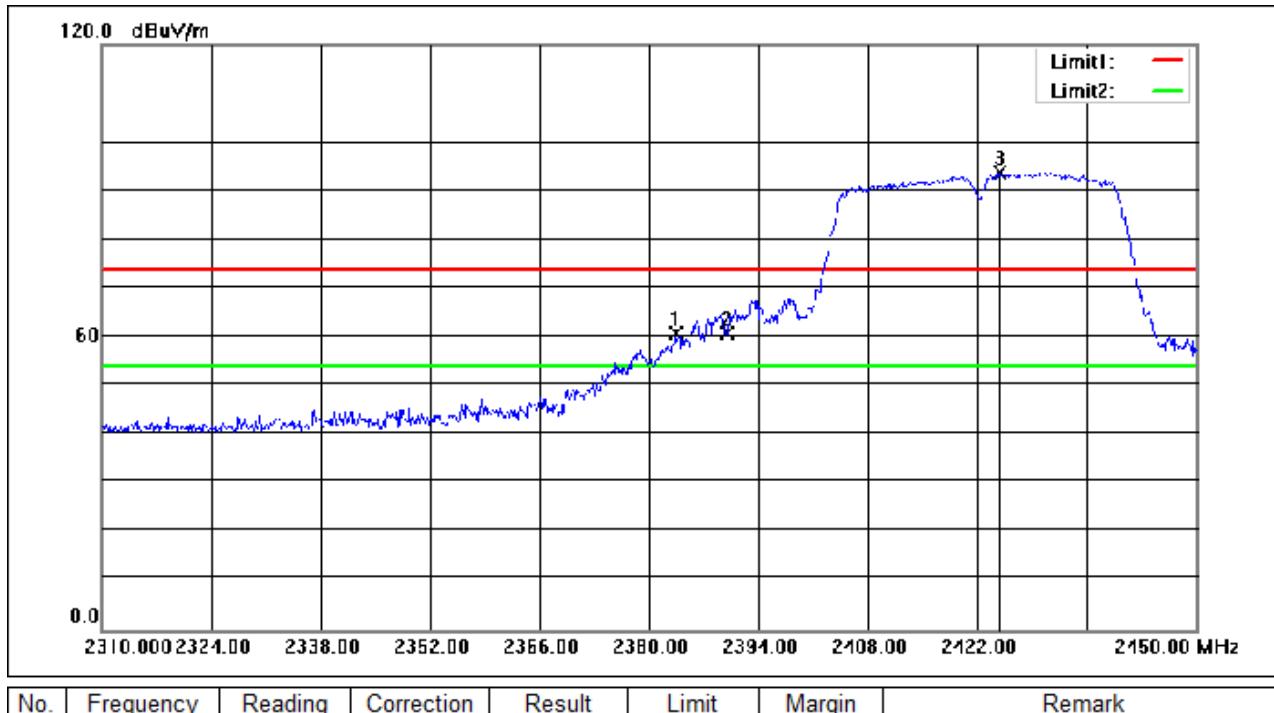
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.360	79.47	-18.76	60.71	74.00	-13.29	peak
2	2390.000	79.37	-18.75	60.62	74.00	-13.38	peak
3	2424.800	112.47	-18.66	93.81	74.00	19.81	peak



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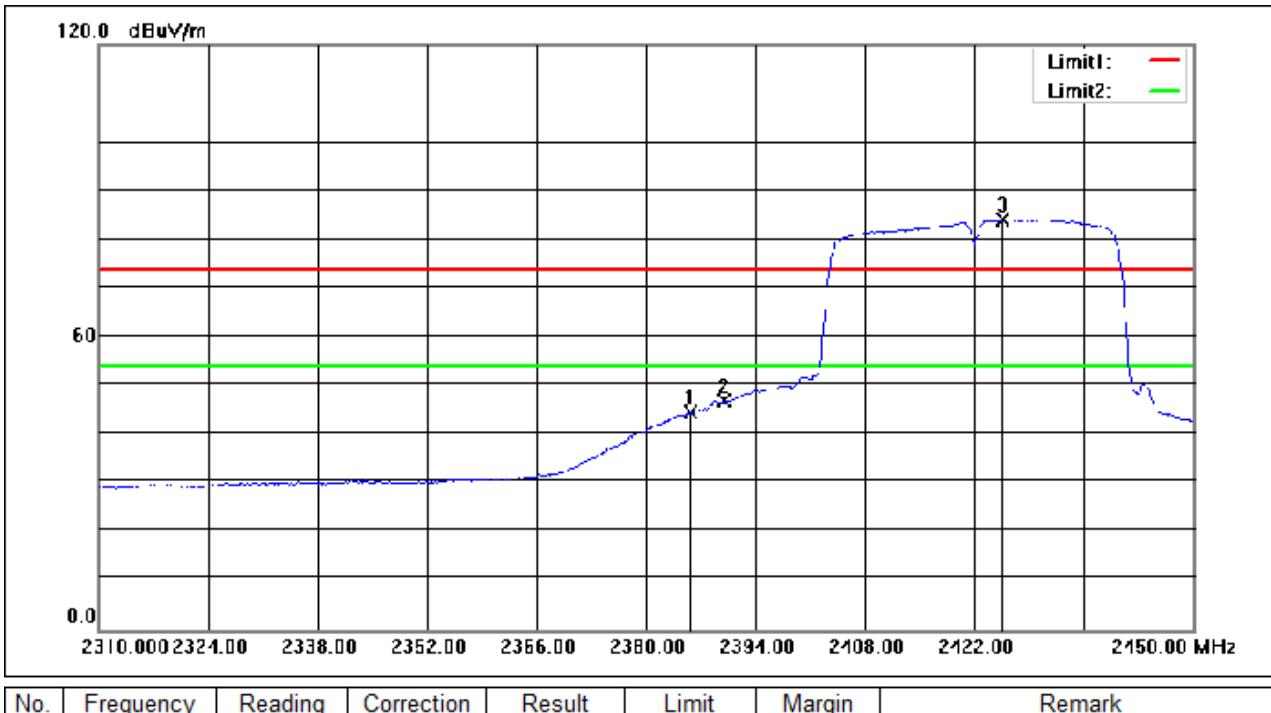
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.740	63.20	-18.76	44.44	54.00	-9.56	AVG
2	2390.000	65.61	-18.75	46.86	54.00	-7.14	AVG
3	2425.640	102.87	-18.66	84.21	54.00	30.21	AVG



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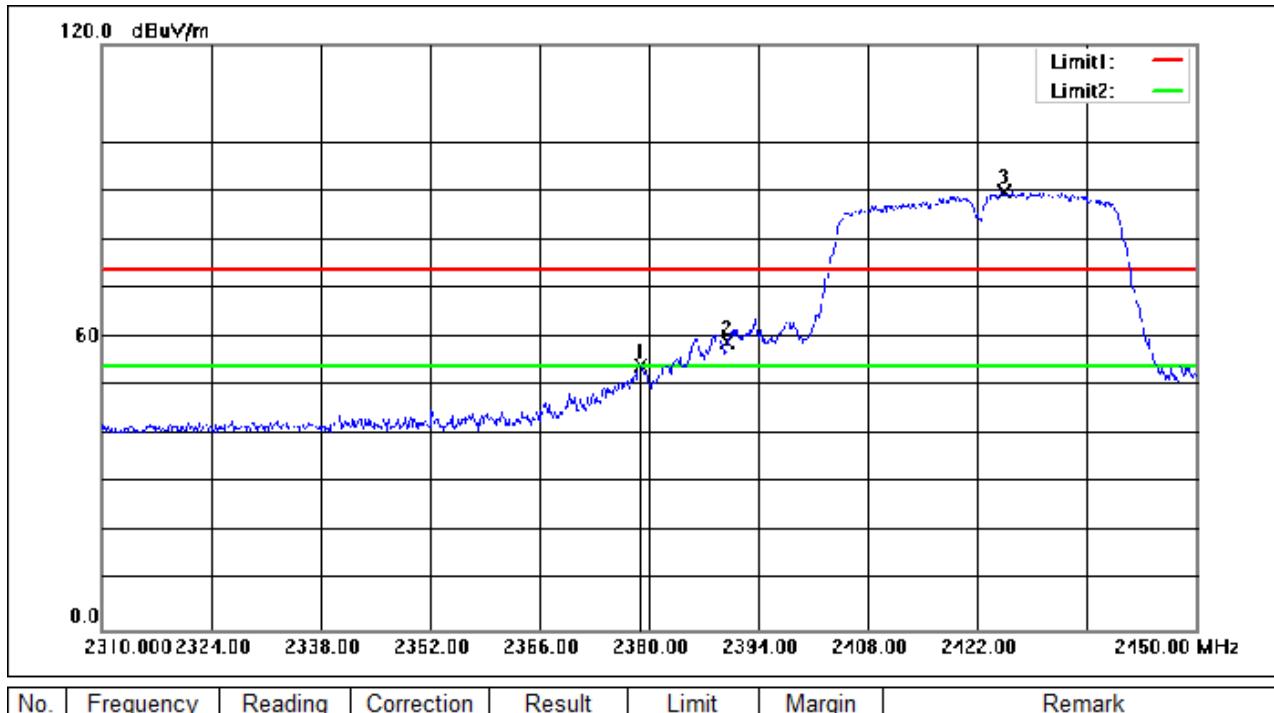
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.880	72.77	-18.76	54.01	74.00	-19.99	peak
2	2390.000	77.58	-18.75	58.83	74.00	-15.17	peak
3	2425.500	108.41	-18.66	89.75	74.00	15.75	peak

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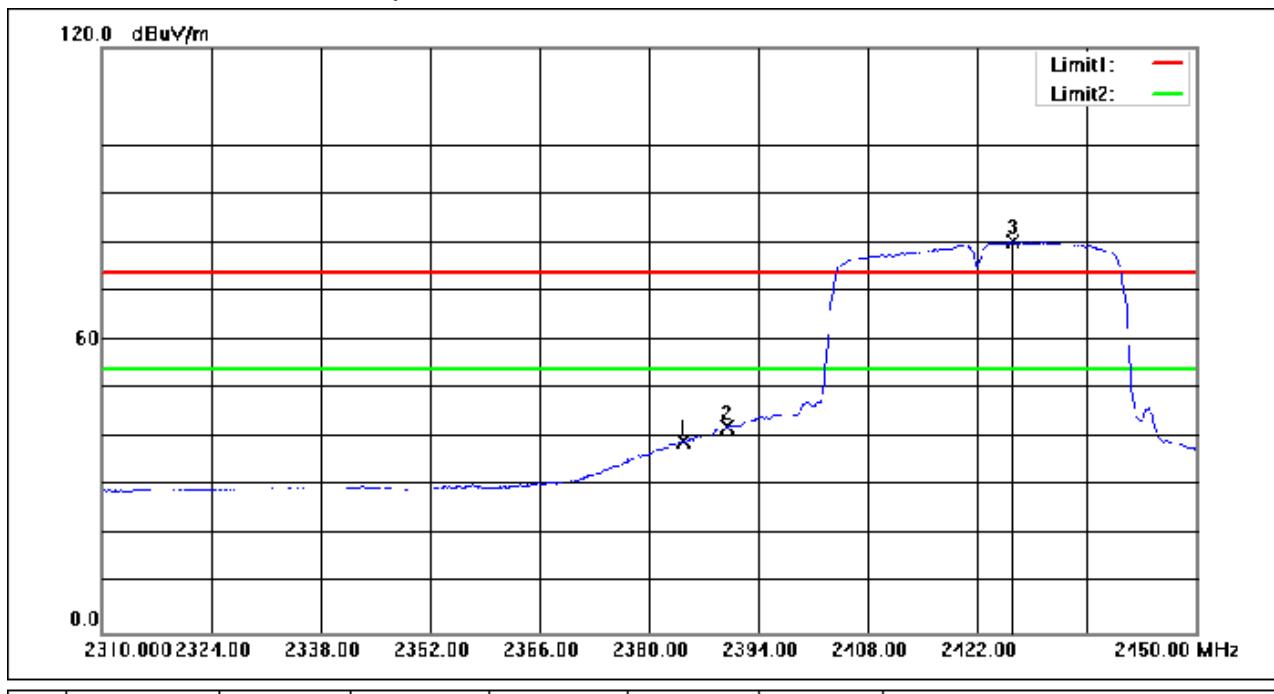
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Report No.: KSCR221000196201

Page: 34 of 69

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.340	57.96	-18.76	39.20	54.00	-14.80	AVG
2	2390.000	60.96	-18.75	42.21	54.00	-11.79	AVG
3	2426.480	98.93	-18.66	80.27	54.00	26.27	AVG



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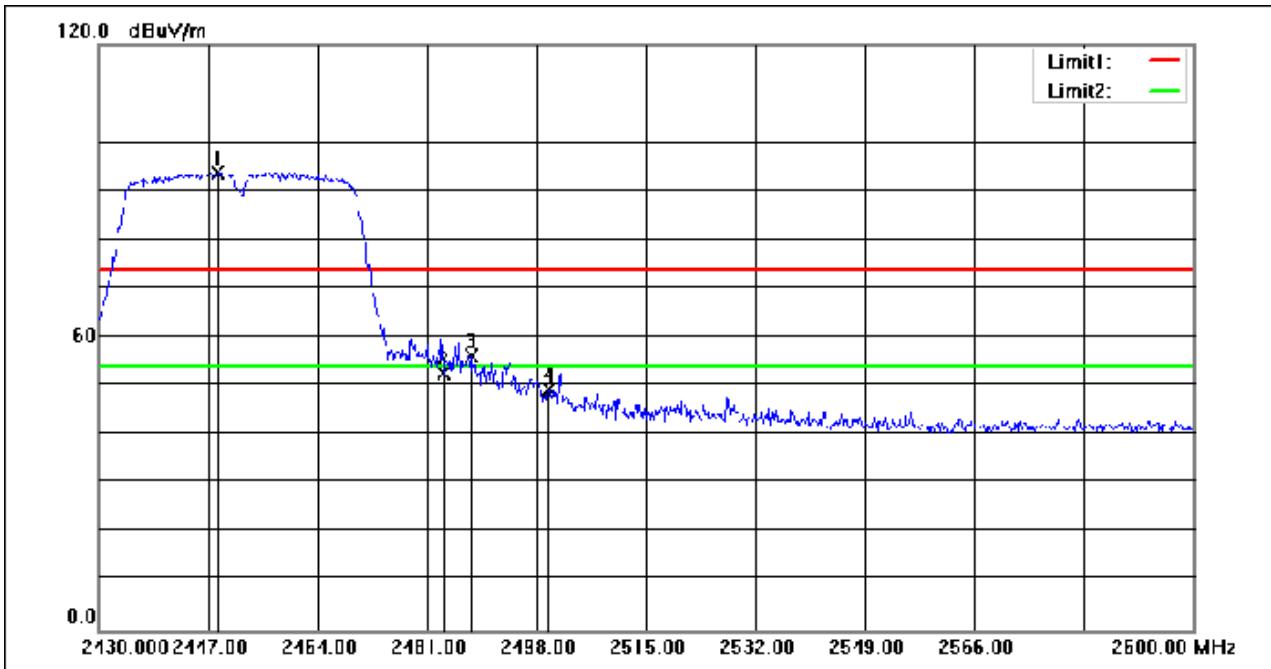
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2448.530	112.45	-18.57	93.88	74.00	19.88	peak
2	2483.500	70.96	-18.45	52.51	74.00	-21.49	peak
3	2487.800	74.81	-18.43	56.38	74.00	-17.62	peak
4	2500.000	67.75	-18.38	49.37	74.00	-24.63	peak



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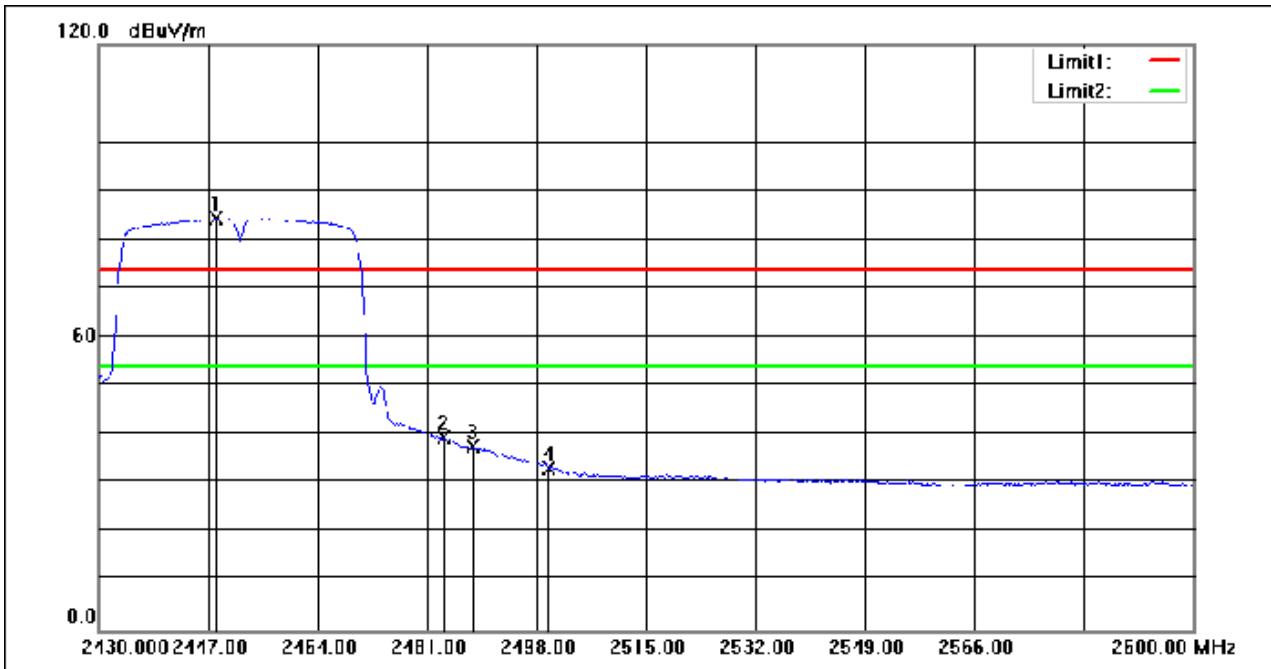
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2448.190	103.11	-18.58	84.53	54.00	30.53	AVG
2	2483.500	57.83	-18.45	39.38	54.00	-14.62	AVG
3	2488.140	56.10	-18.43	37.67	54.00	-16.33	AVG
4	2500.000	51.51	-18.38	33.13	54.00	-20.87	AVG



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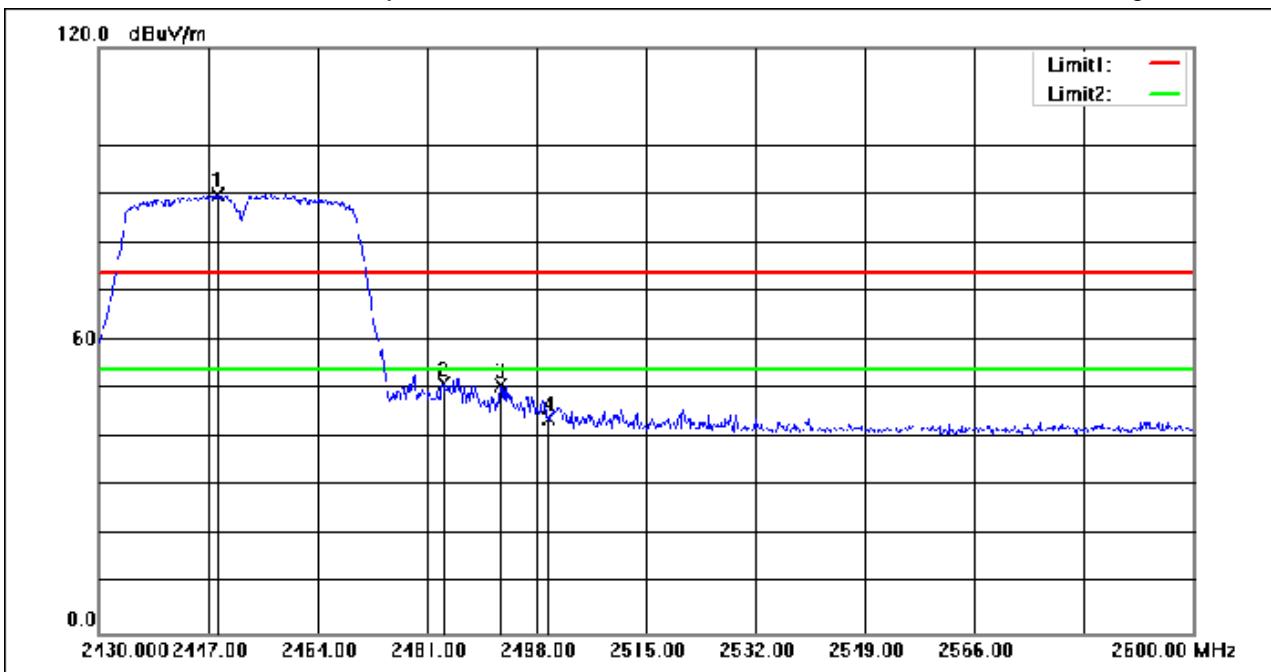
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2448.530	108.47	-18.57	89.90	74.00	15.90	peak
2	2483.500	69.63	-18.45	51.18	74.00	-22.82	peak
3	2492.390	69.11	-18.41	50.70	74.00	-23.30	peak
4	2500.000	62.41	-18.38	44.03	74.00	-29.97	peak



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EMC Laboratory

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6.2 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 58.3 % RH

Atmospheric Pressure: 1010 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

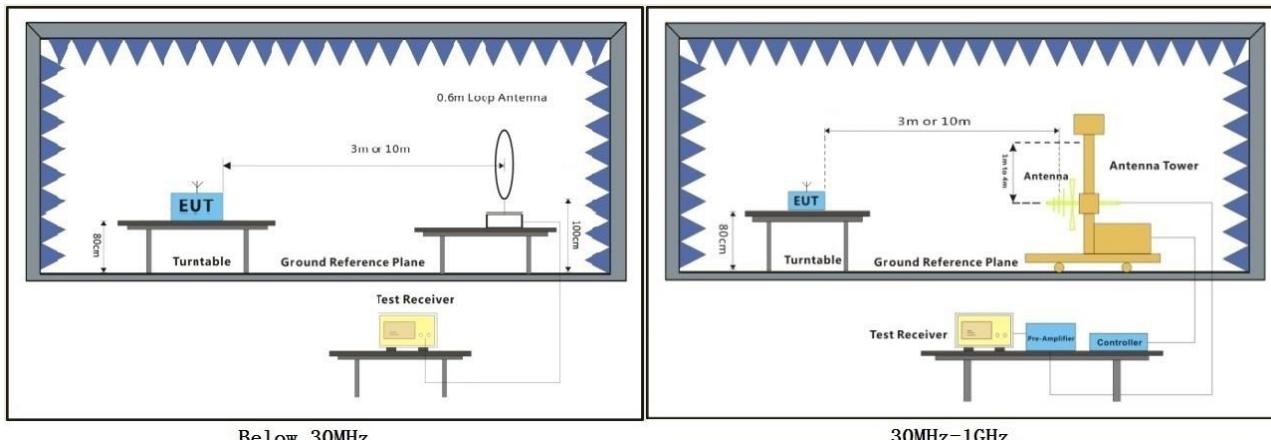
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6.2.3 Test Setup Diagram

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6.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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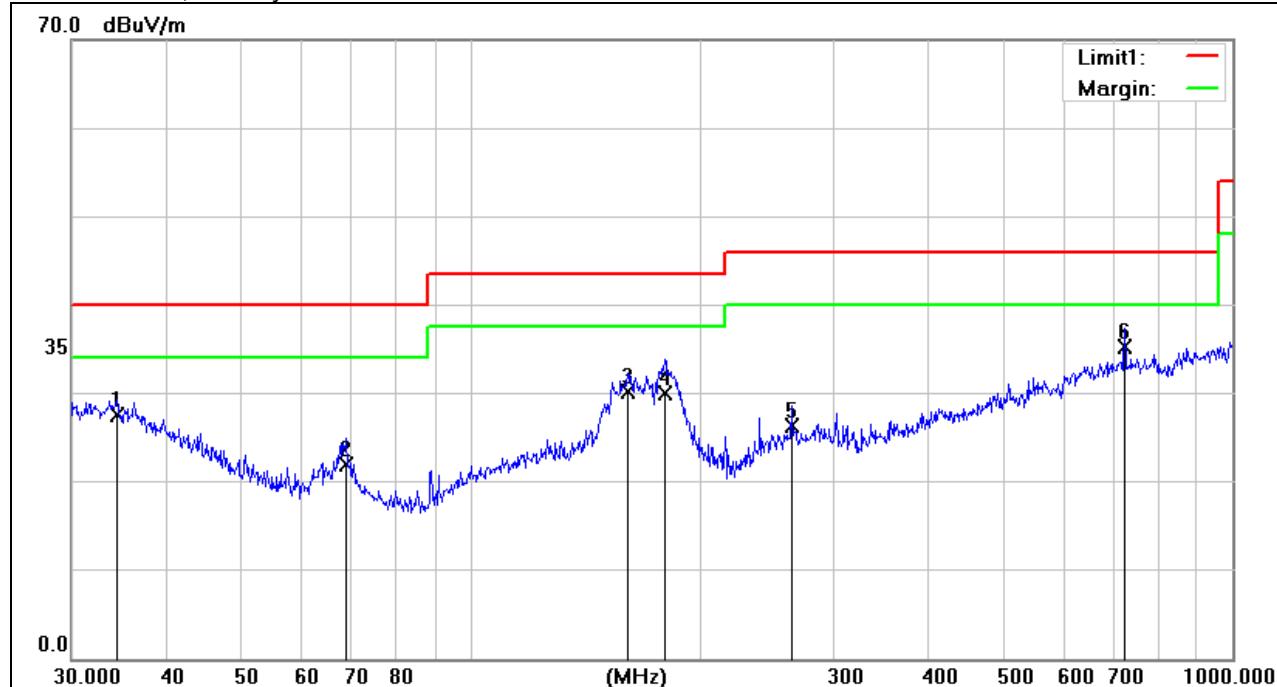
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Test Mode: 00; Polarity: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	34.3964	2.83	24.80	27.63	40.00	-12.37	100	16	QP
2	68.8721	6.37	15.61	21.98	40.00	-18.02	100	71	QP
3	160.9090	12.83	17.42	30.25	43.50	-13.25	100	84	QP
4	180.0165	13.42	16.63	30.05	43.50	-13.45	100	94	QP
5	263.8190	5.28	21.02	26.30	46.00	-19.70	100	84	QP
6	721.7260	32.77	2.43	35.20	46.00	-10.80	100	0	QP



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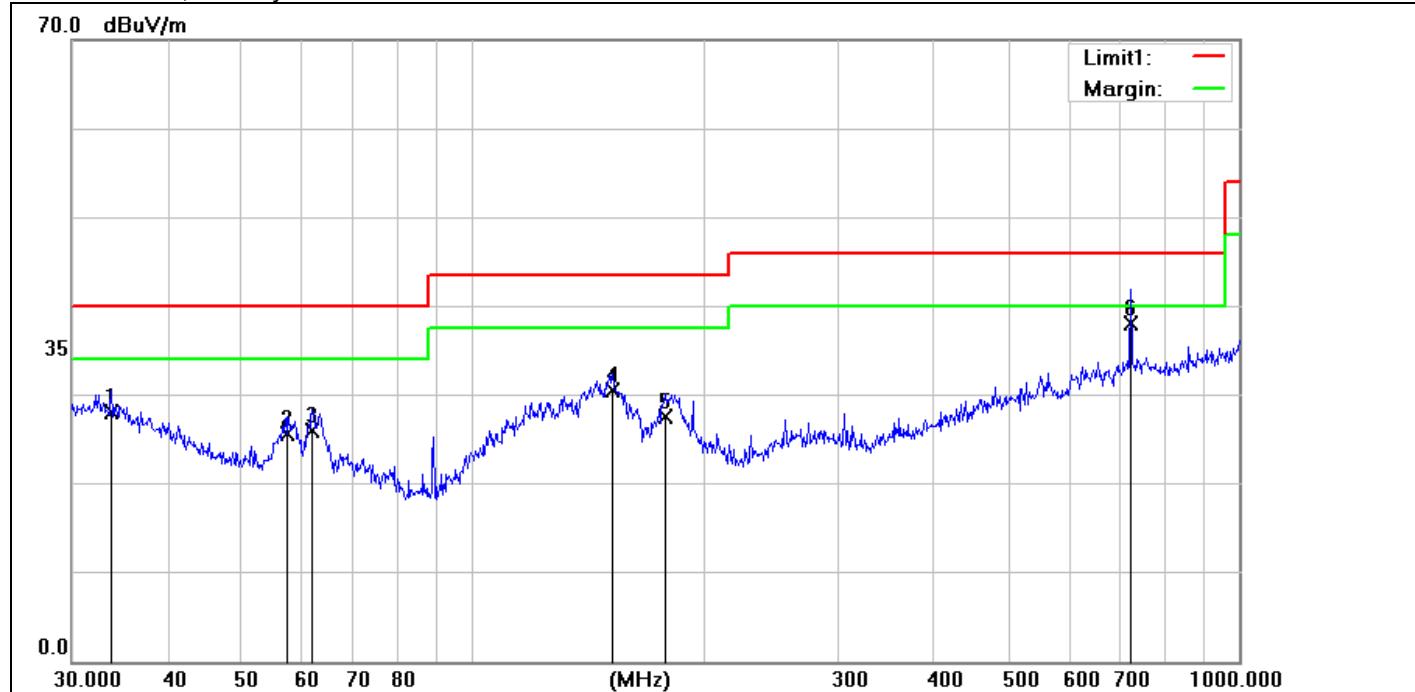
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Test Mode: 00; Polarity: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	33.7986	3.12	24.93	28.05	40.00	-11.95	100	223	QP
2	57.3923	10.18	15.42	25.60	40.00	-14.40	100	50	QP
3	61.7781	11.28	14.70	25.98	40.00	-14.02	100	34	QP
4	152.1297	12.75	17.76	30.51	43.50	-12.99	99	360	QP
5	178.7584	10.85	16.67	27.52	43.50	-15.98	100	348	QP
6	721.7260	35.59	2.43	38.02	46.00	-7.98	100	49	QP



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6.3 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

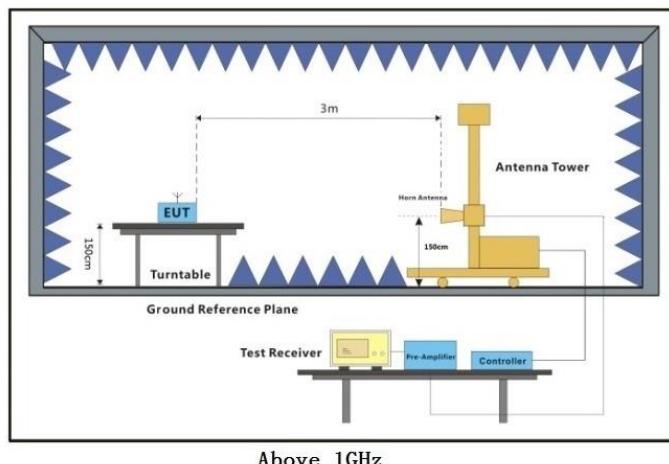
6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 57.6 % RH Atmospheric Pressure: 1010 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

6.3.3 Test Setup Diagram

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6.3.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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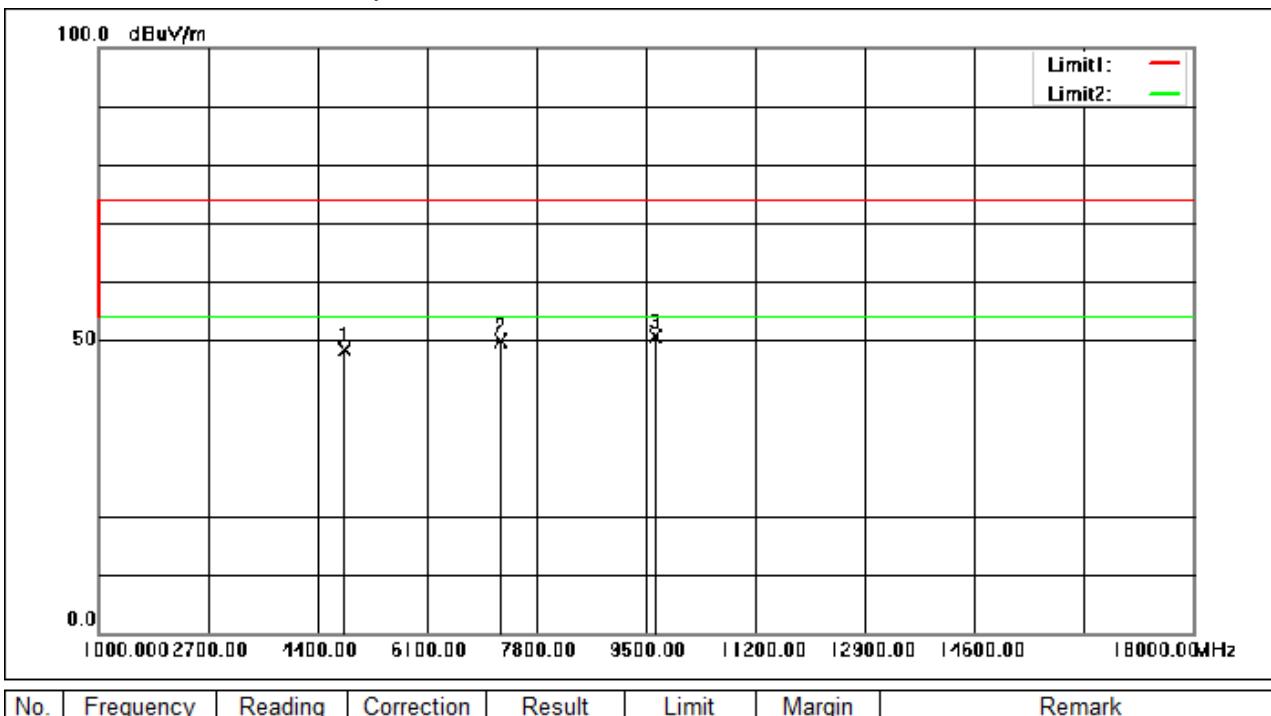
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.10	-8.78	48.32	74.00	-25.68	peak
2	7236.000	55.78	-5.86	49.92	74.00	-24.08	peak
3	9648.000	52.05	-1.31	50.74	74.00	-23.26	peak



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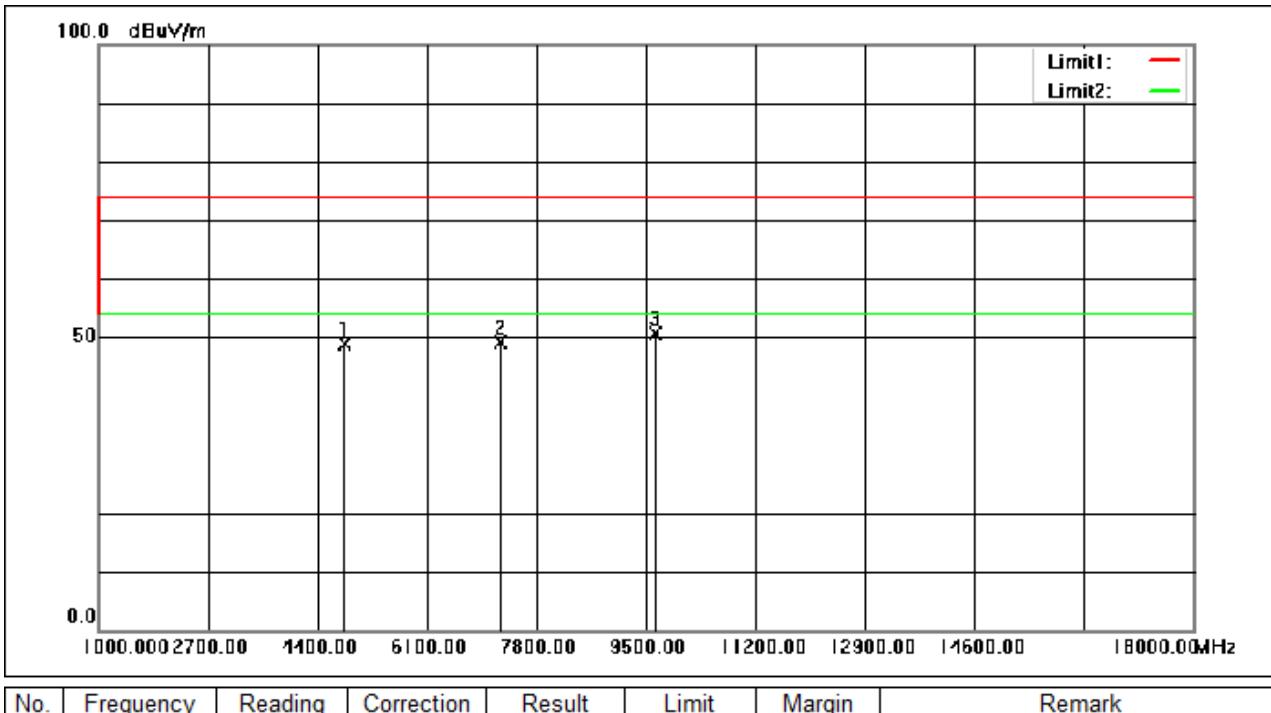
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 46 of 69

Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.56	-8.78	48.78	74.00	-25.22	peak
2	7236.000	55.03	-5.86	49.17	74.00	-24.83	peak
3	9648.000	52.01	-1.31	50.70	74.00	-23.30	peak



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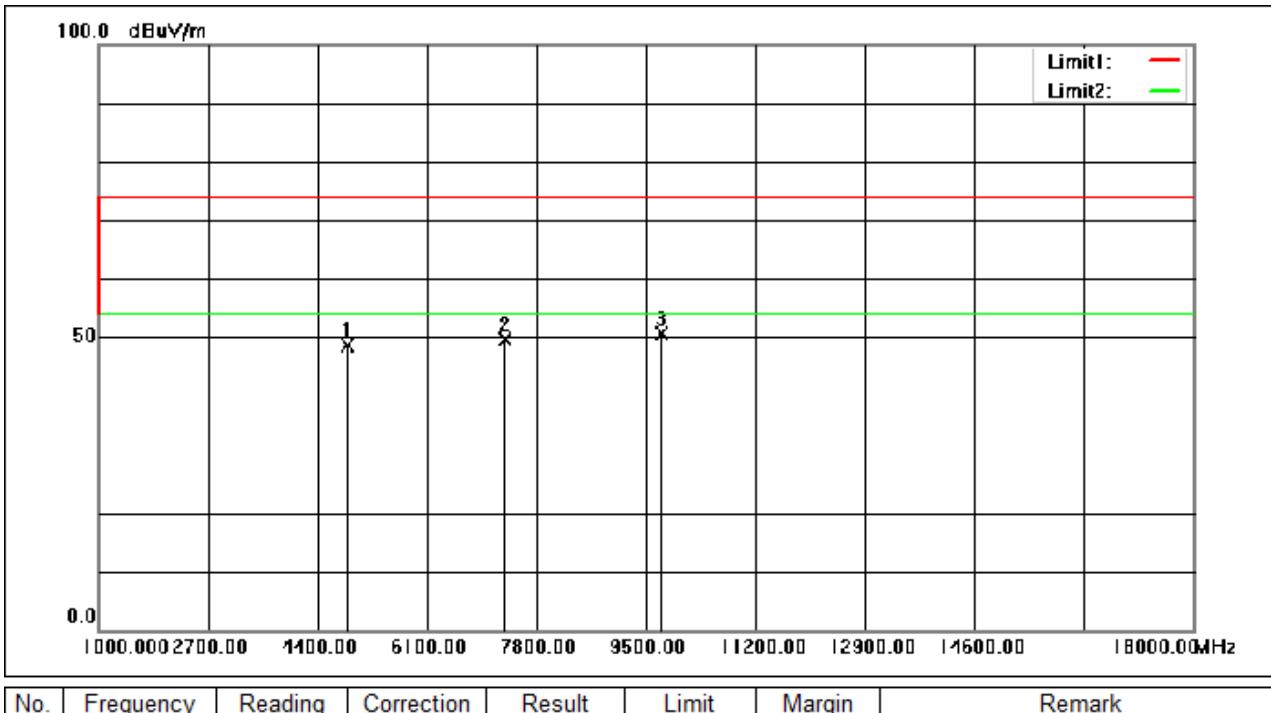
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	57.35	-8.61	48.74	74.00	-25.26	peak
2	7311.000	55.42	-5.78	49.64	74.00	-24.36	peak
3	9748.000	52.06	-1.43	50.63	74.00	-23.37	peak



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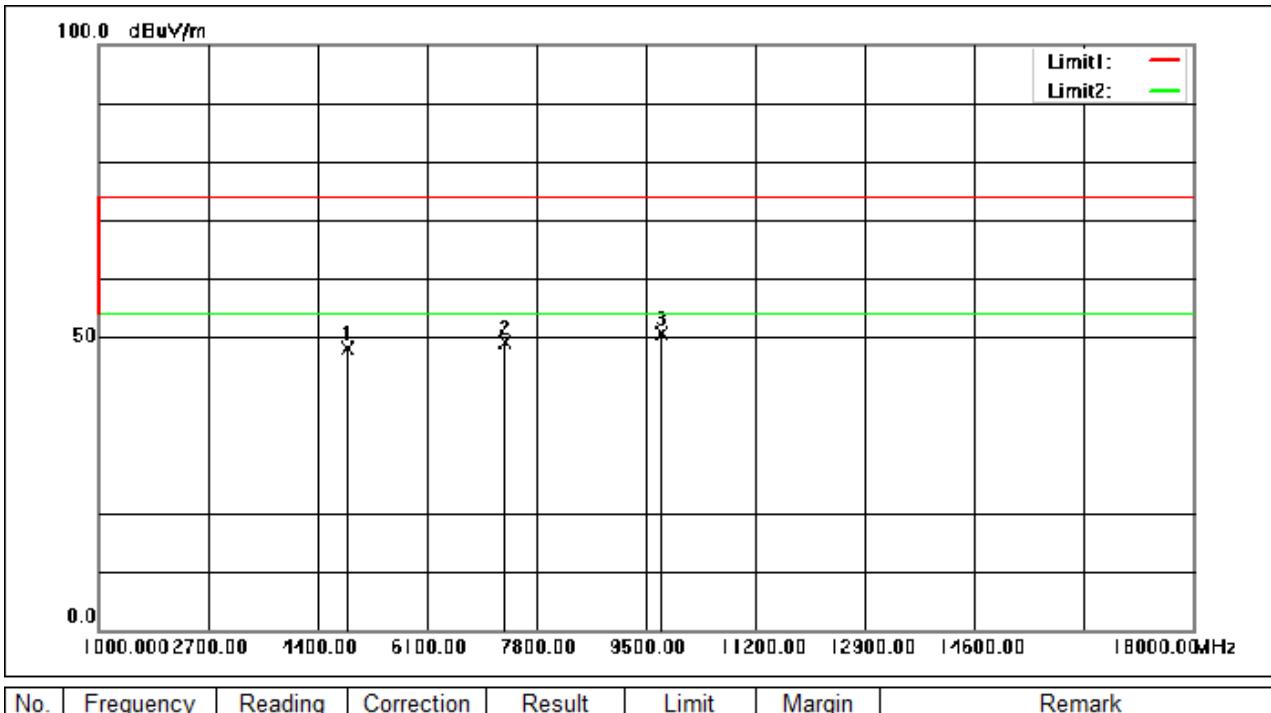
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Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.80	-8.61	48.19	74.00	-25.81	peak
2	7311.000	54.84	-5.78	49.06	74.00	-24.94	peak
3	9748.000	52.14	-1.43	50.71	74.00	-23.29	peak



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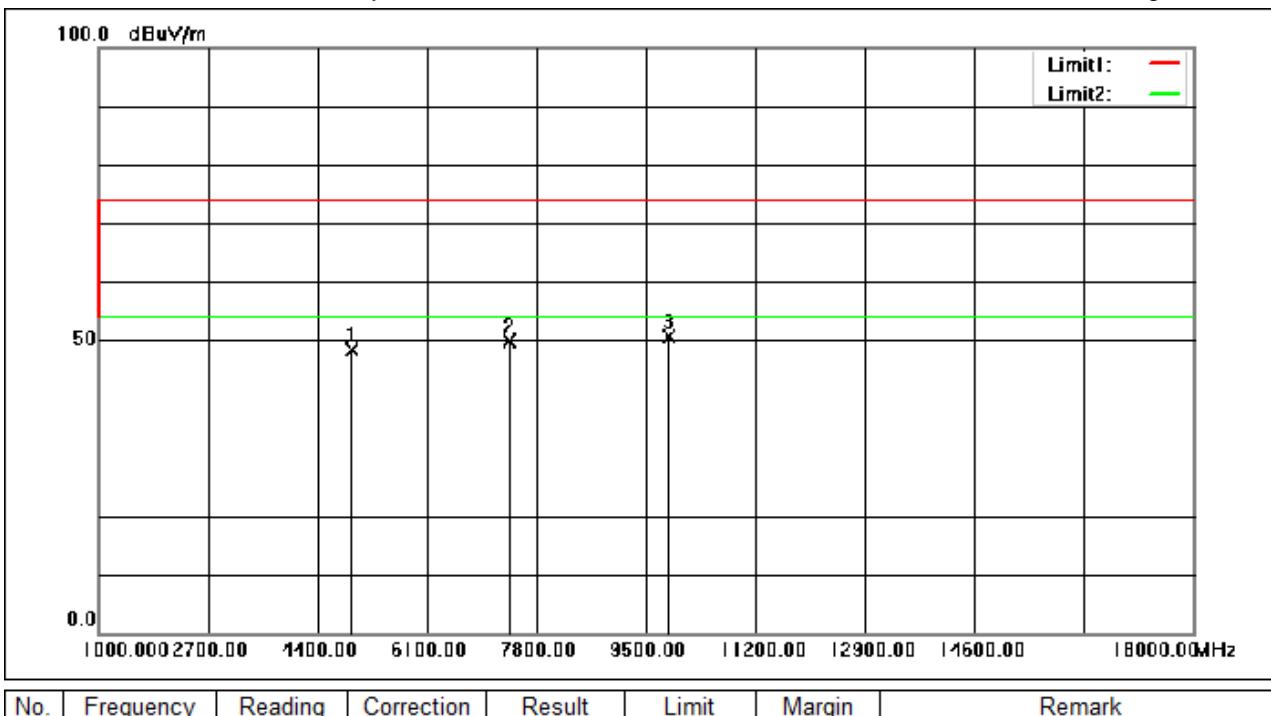
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.71	-8.44	48.27	74.00	-25.73	peak
2	7386.000	55.56	-5.69	49.87	74.00	-24.13	peak
3	9848.000	52.01	-1.27	50.74	74.00	-23.26	peak

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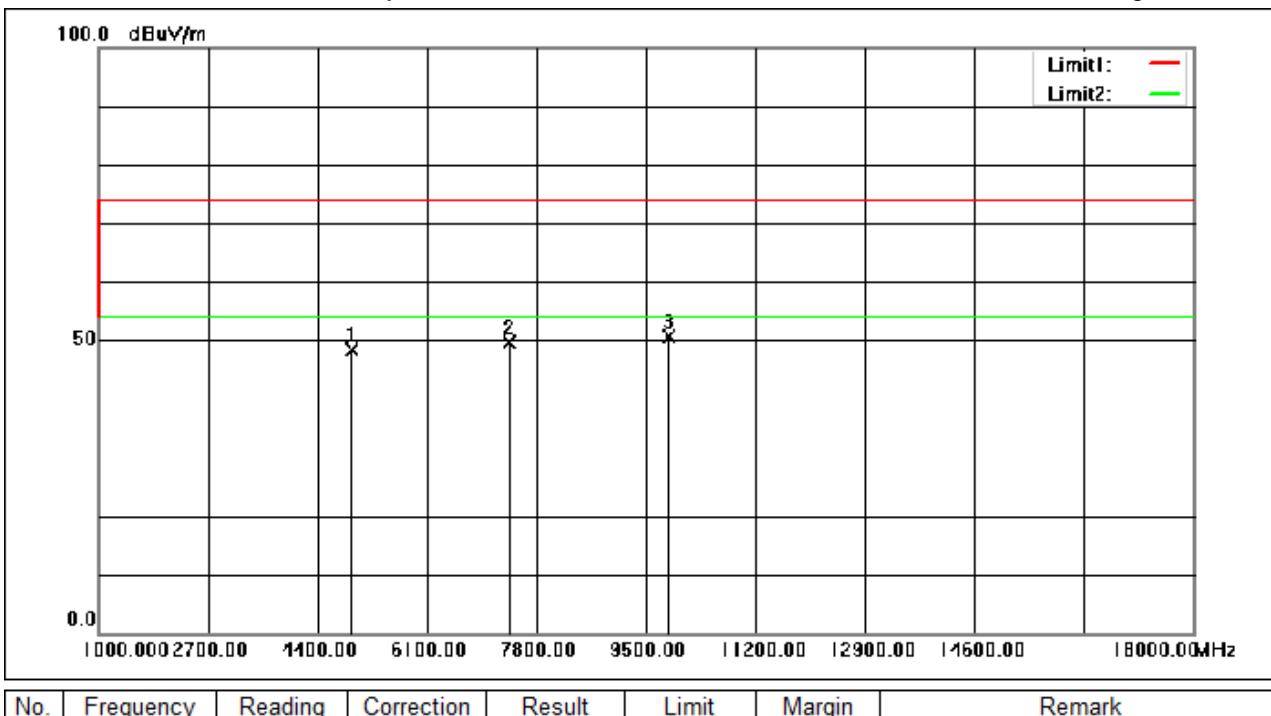
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Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.83	-8.44	48.39	74.00	-25.61	peak
2	7386.000	55.34	-5.69	49.65	74.00	-24.35	peak
3	9848.000	51.98	-1.27	50.71	74.00	-23.29	peak



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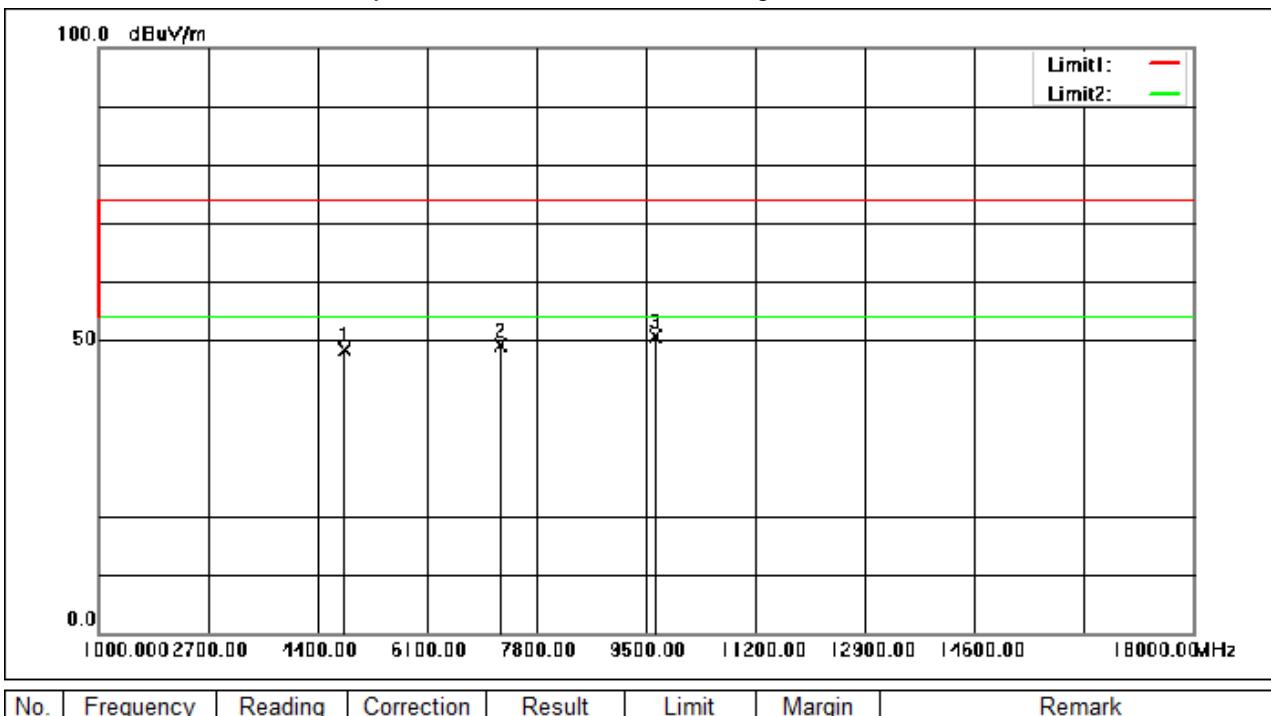
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.14	-8.78	48.36	74.00	-25.64	peak
2	7236.000	55.08	-5.86	49.22	74.00	-24.78	peak
3	9648.000	52.02	-1.31	50.71	74.00	-23.29	peak



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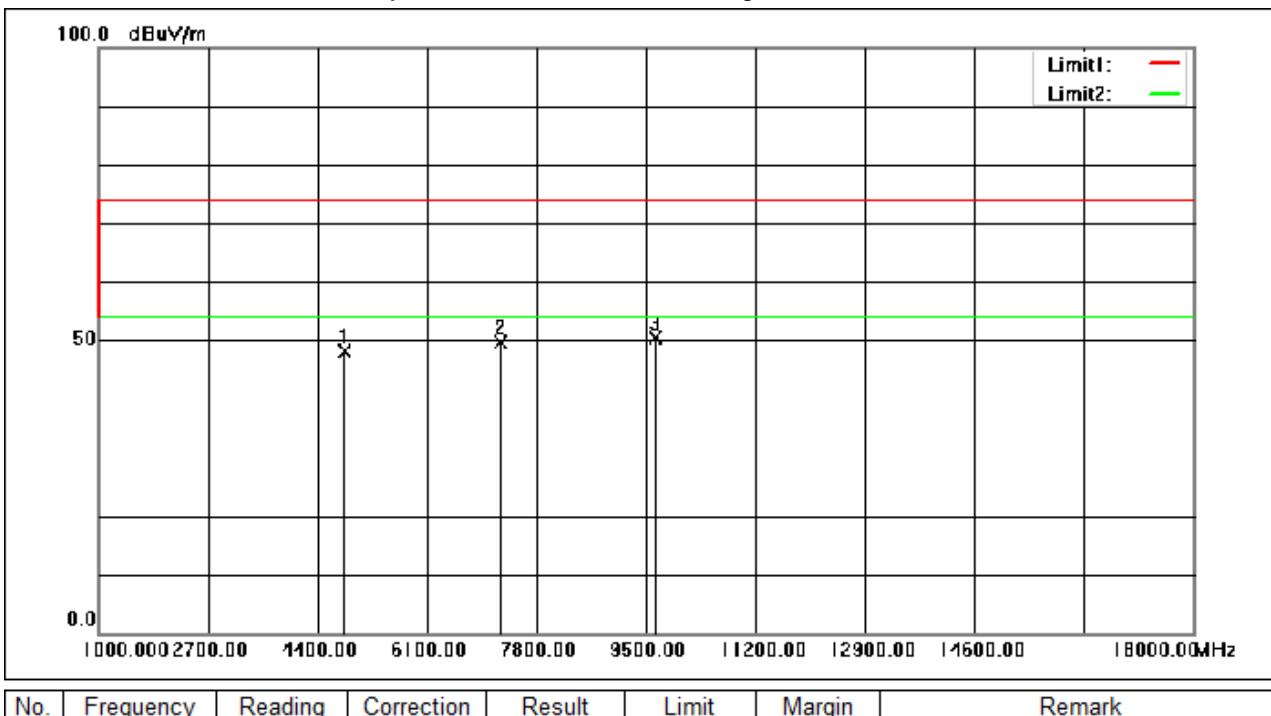
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.03	-8.78	48.25	74.00	-25.75	peak
2	7236.000	55.42	-5.86	49.56	74.00	-24.44	peak
3	9648.000	51.58	-1.31	50.27	74.00	-23.73	peak



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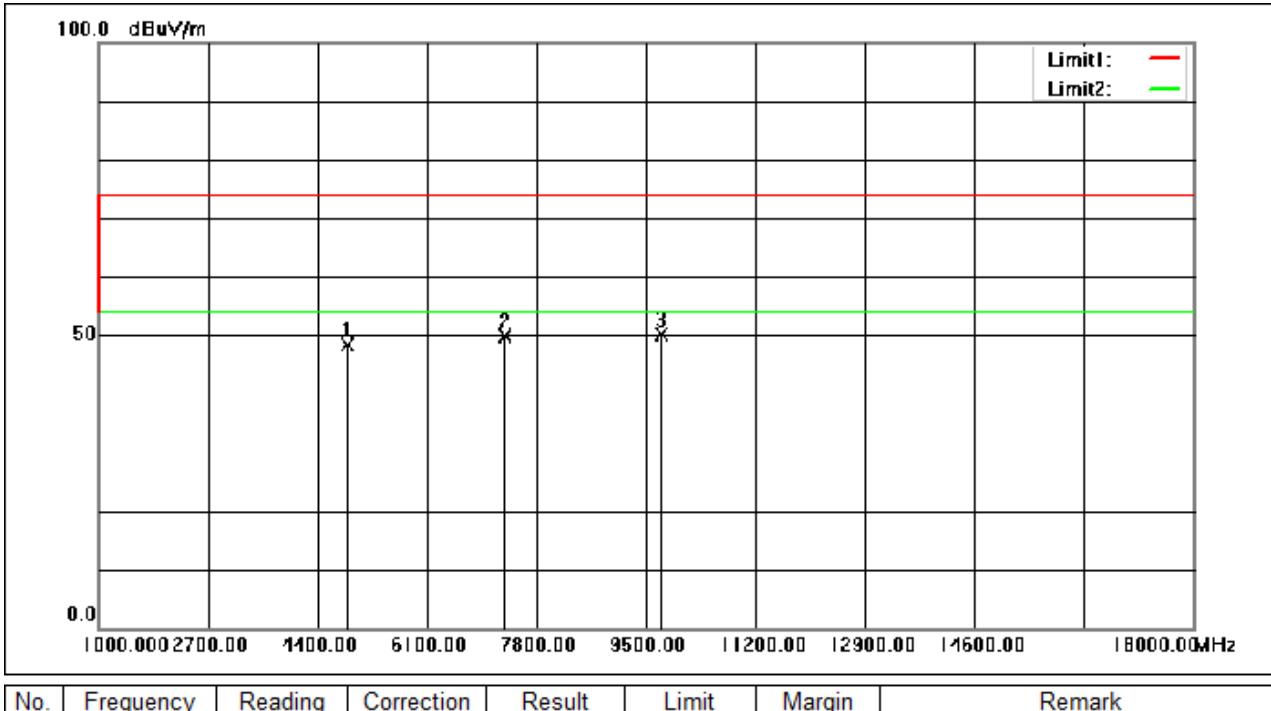
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.93	-8.61	48.32	74.00	-25.68	peak
2	7311.000	55.55	-5.78	49.77	74.00	-24.23	peak
3	9748.000	51.57	-1.43	50.14	74.00	-23.86	peak



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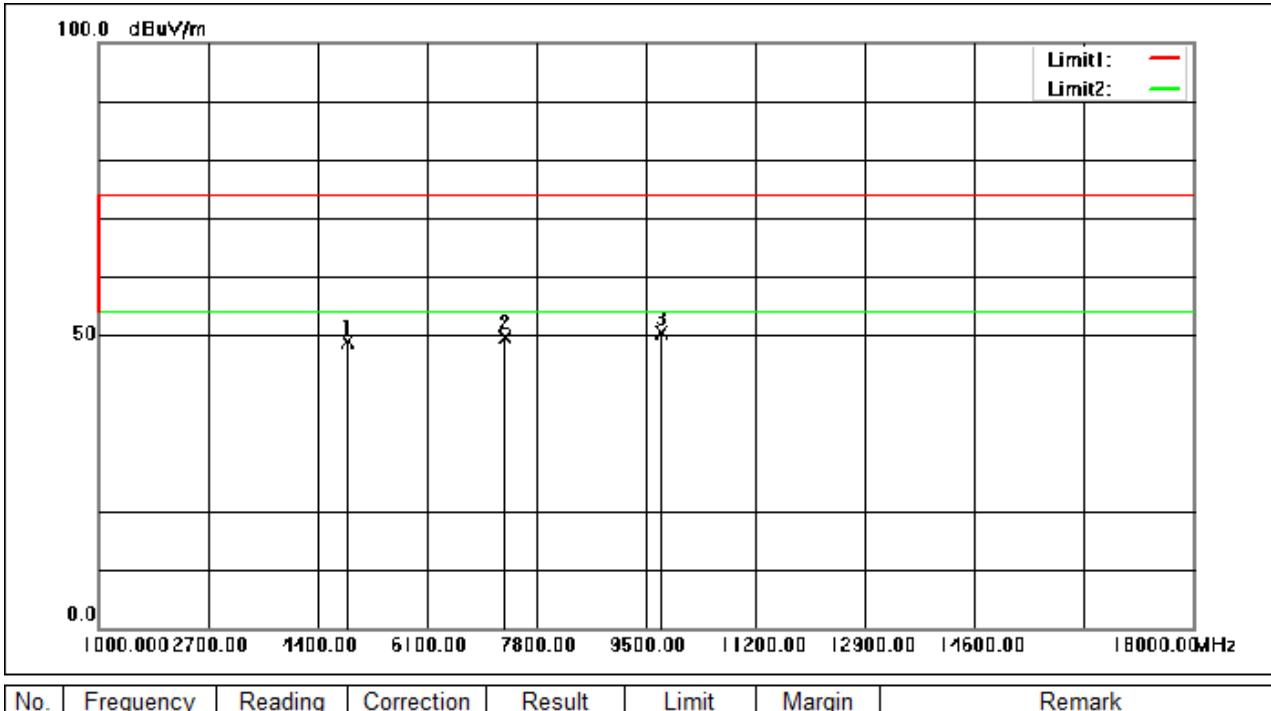
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 54 of 69

Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	57.38	-8.61	48.77	74.00	-25.23	peak
2	7311.000	55.52	-5.78	49.74	74.00	-24.26	peak
3	9748.000	51.88	-1.43	50.45	74.00	-23.55	peak



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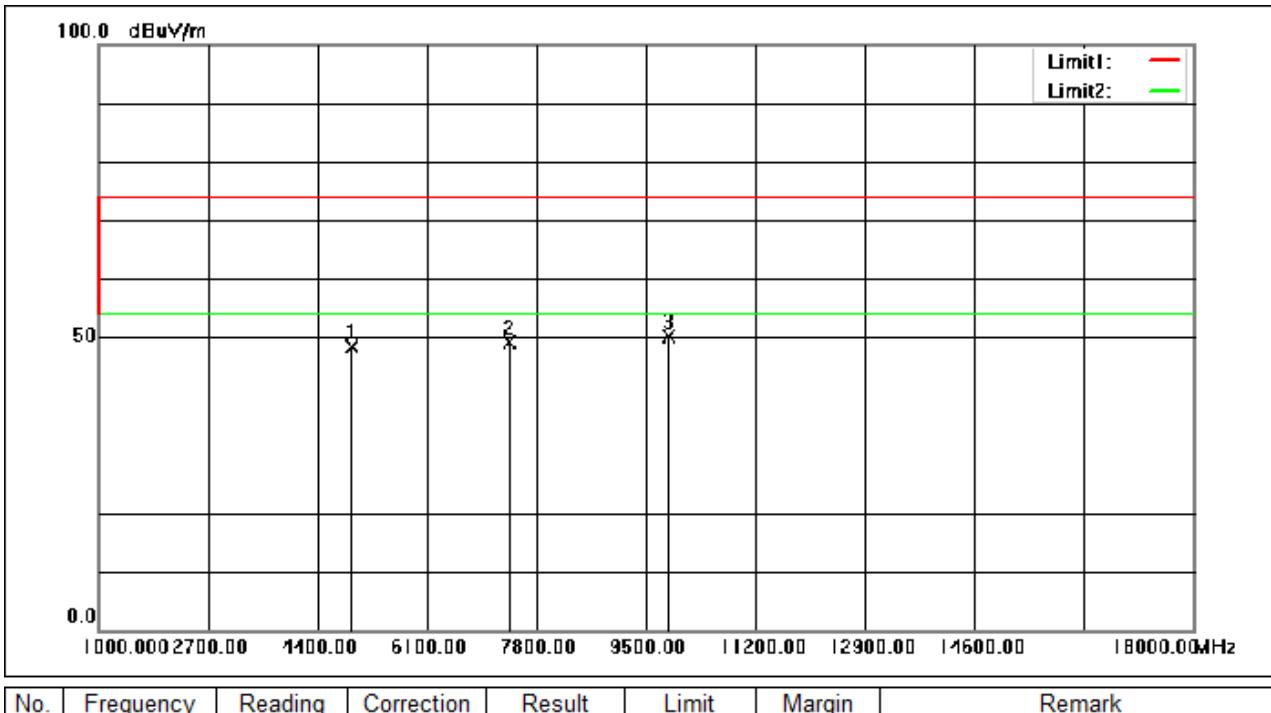
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 55 of 69

Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.83	-8.44	48.39	74.00	-25.61	peak
2	7386.000	54.90	-5.69	49.21	74.00	-24.79	peak
3	9848.000	51.42	-1.27	50.15	74.00	-23.85	peak



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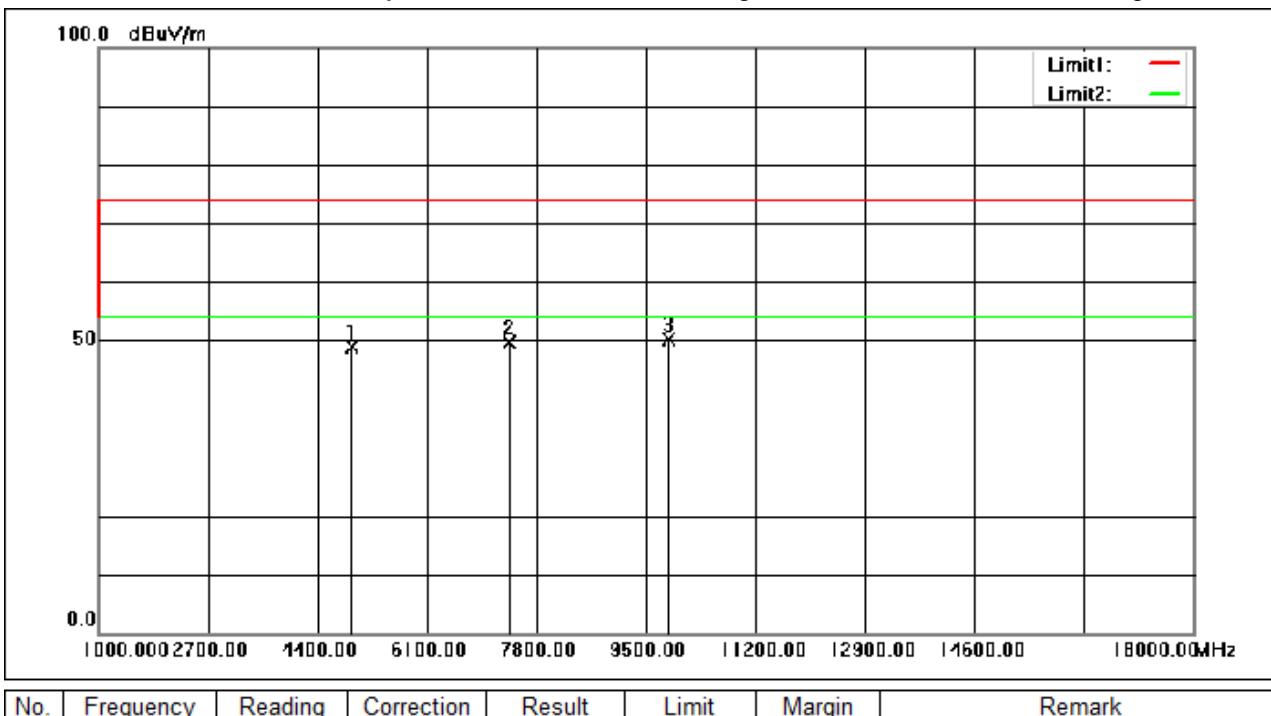
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	57.33	-8.44	48.89	74.00	-25.11	peak
2	7386.000	55.36	-5.69	49.67	74.00	-24.33	peak
3	9848.000	51.50	-1.27	50.23	74.00	-23.77	peak



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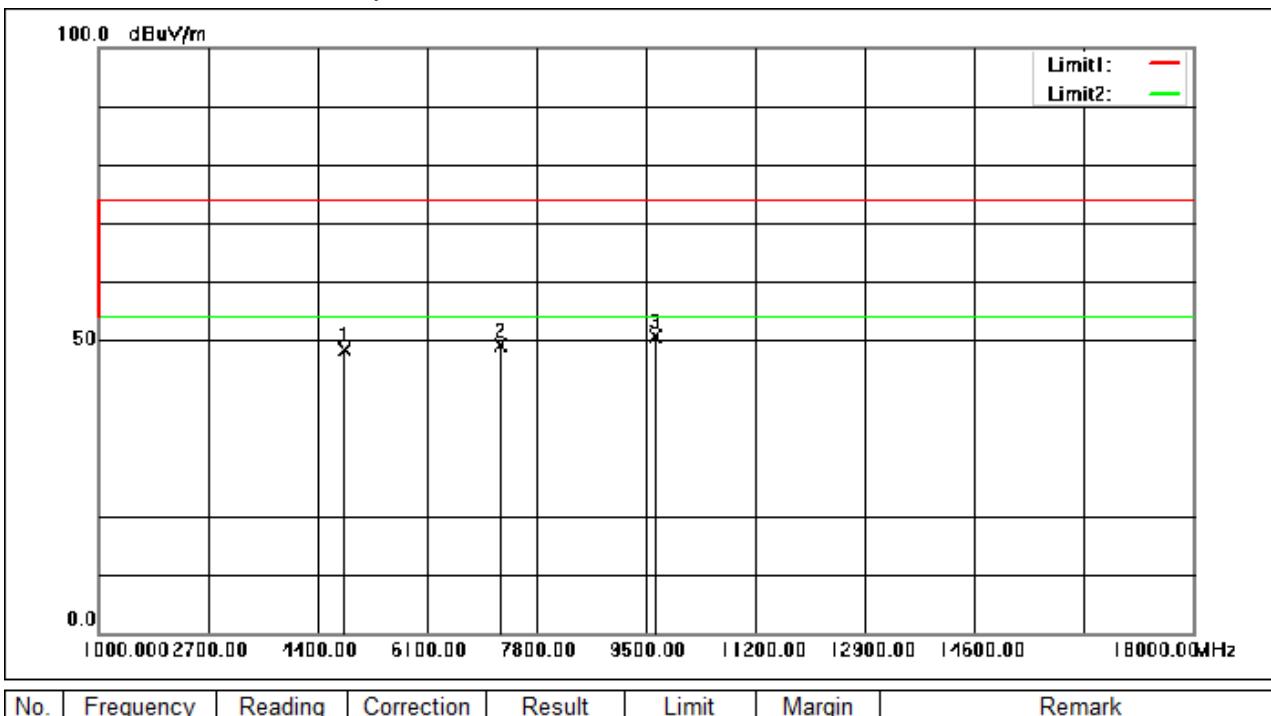
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.25	-8.78	48.47	74.00	-25.53	peak
2	7236.000	54.94	-5.86	49.08	74.00	-24.92	peak
3	9648.000	51.89	-1.31	50.58	74.00	-23.42	peak



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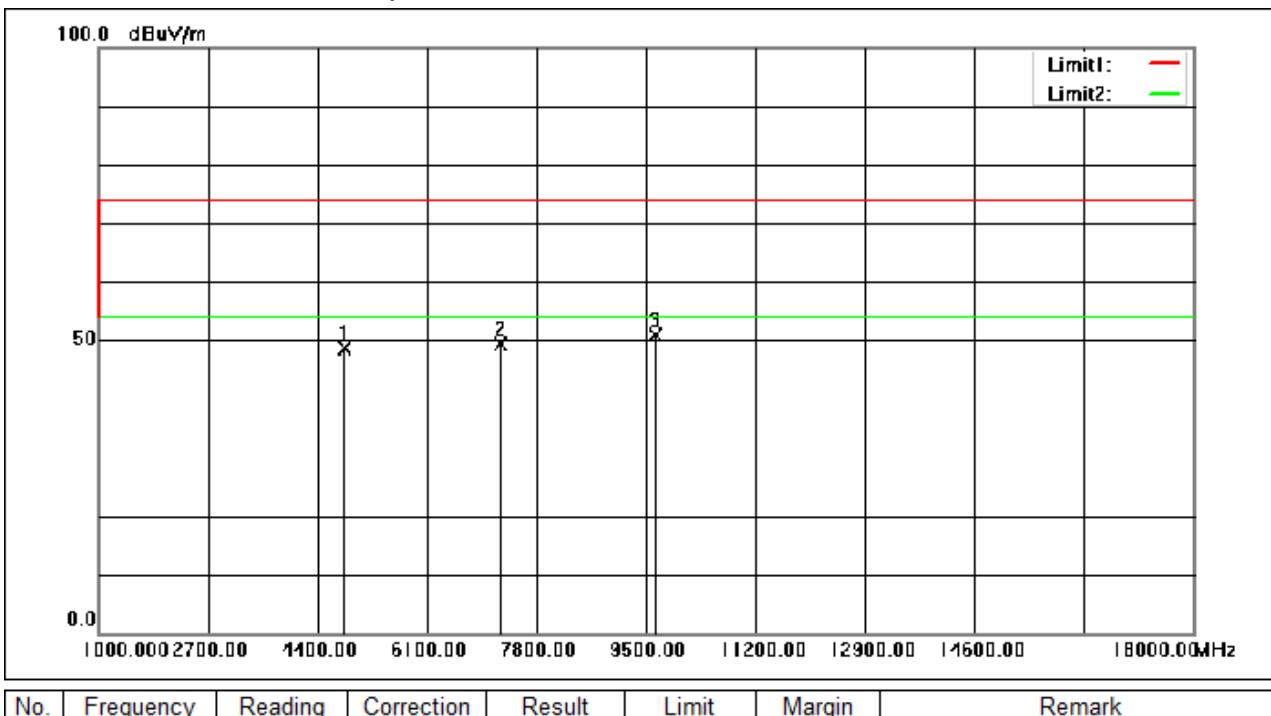
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.36	-8.78	48.58	74.00	-25.42	peak
2	7236.000	55.14	-5.86	49.28	74.00	-24.72	peak
3	9648.000	52.13	-1.31	50.82	74.00	-23.18	peak



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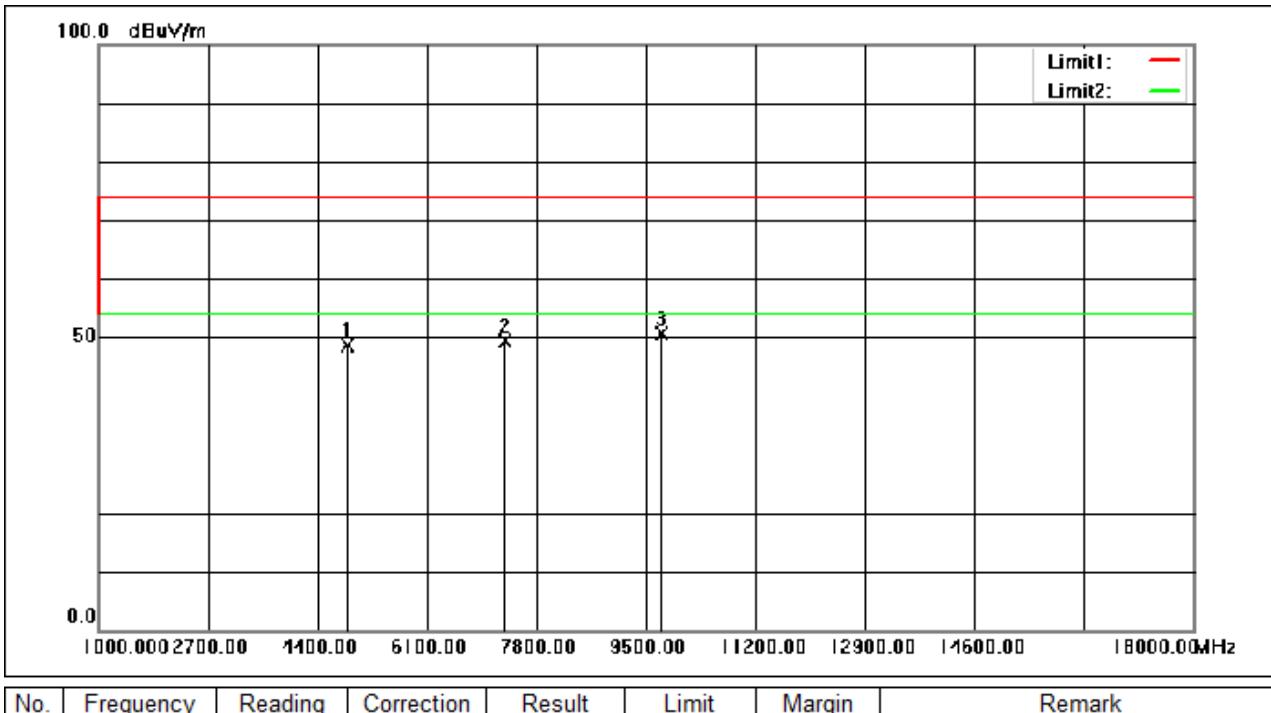
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	57.36	-8.61	48.75	74.00	-25.25	peak
2	7311.000	55.06	-5.78	49.28	74.00	-24.72	peak
3	9748.000	52.04	-1.43	50.61	74.00	-23.39	peak



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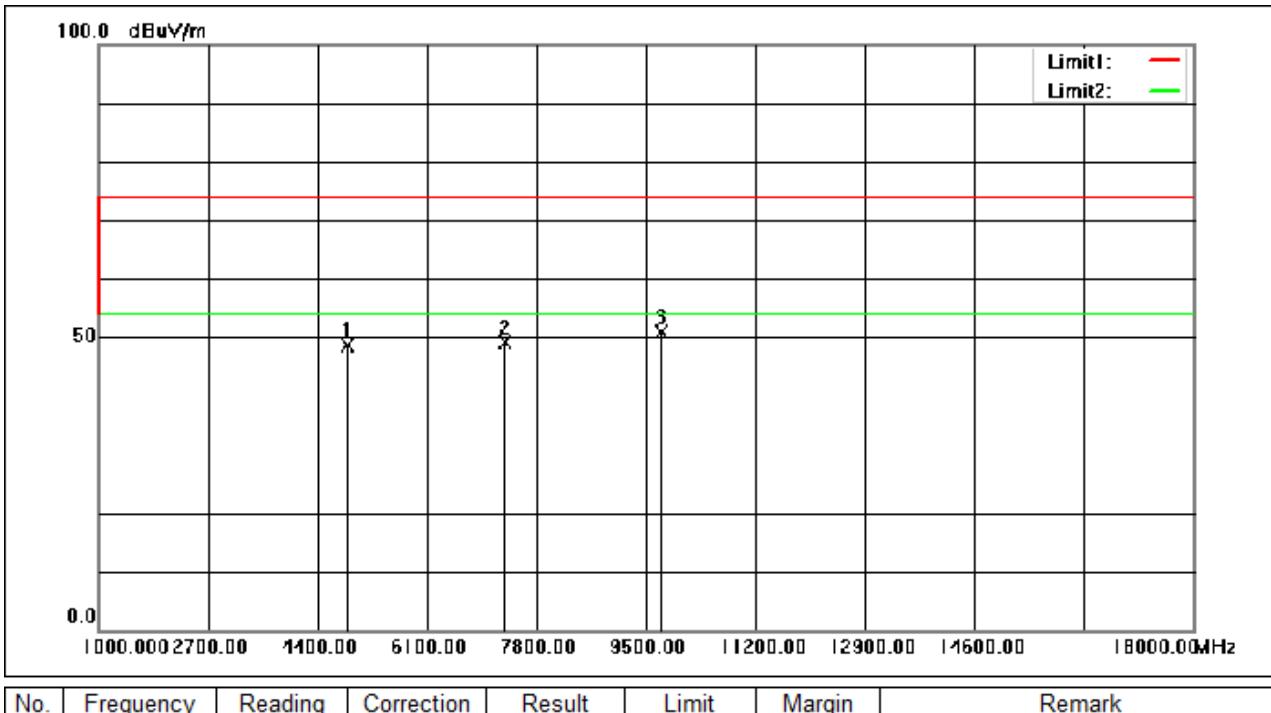
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	57.12	-8.61	48.51	74.00	-25.49	peak
2	7311.000	54.80	-5.78	49.02	74.00	-24.98	peak
3	9748.000	52.36	-1.43	50.93	74.00	-23.07	peak



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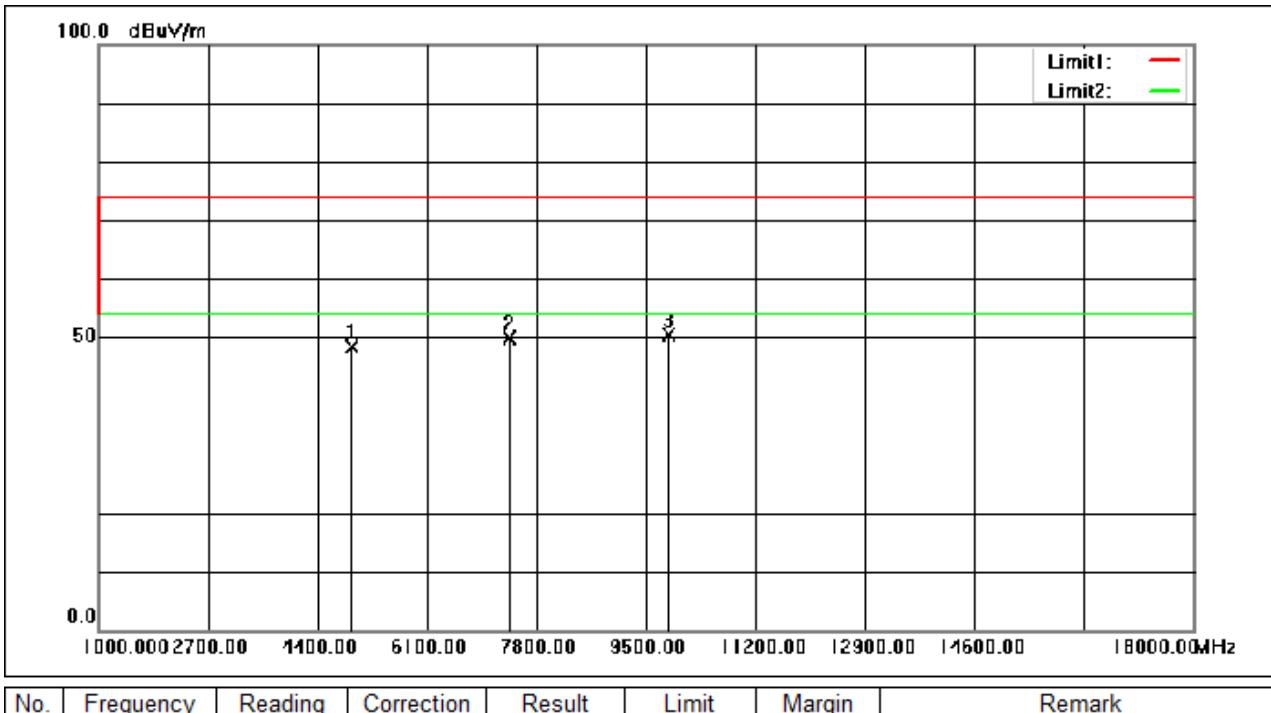
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.89	-8.44	48.45	74.00	-25.55	peak
2	7386.000	55.51	-5.69	49.82	74.00	-24.18	peak
3	9848.000	51.76	-1.27	50.49	74.00	-23.51	peak



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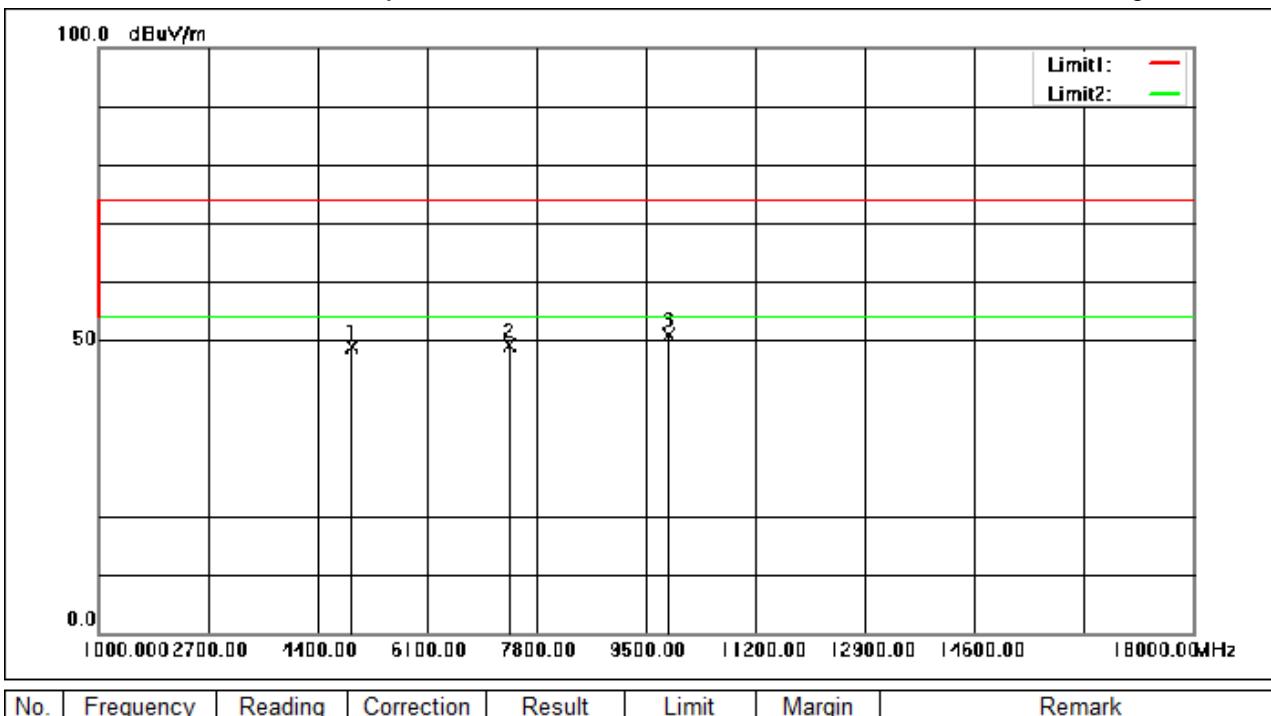
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	57.43	-8.44	48.99	74.00	-25.01	peak
2	7386.000	54.84	-5.69	49.15	74.00	-24.85	peak
3	9848.000	52.15	-1.27	50.88	74.00	-23.12	peak



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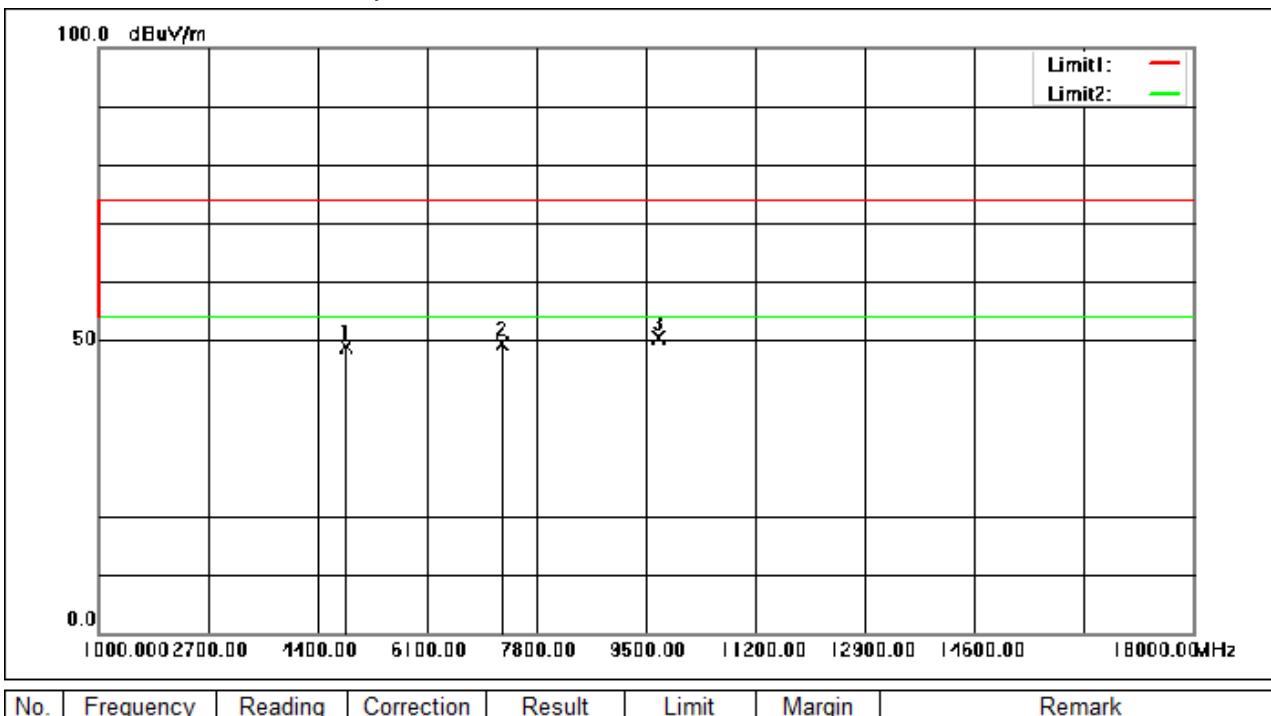
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	57.67	-8.71	48.96	74.00	-25.04	peak
2	7266.000	55.26	-5.83	49.43	74.00	-24.57	peak
3	9688.000	51.62	-1.36	50.26	74.00	-23.74	peak



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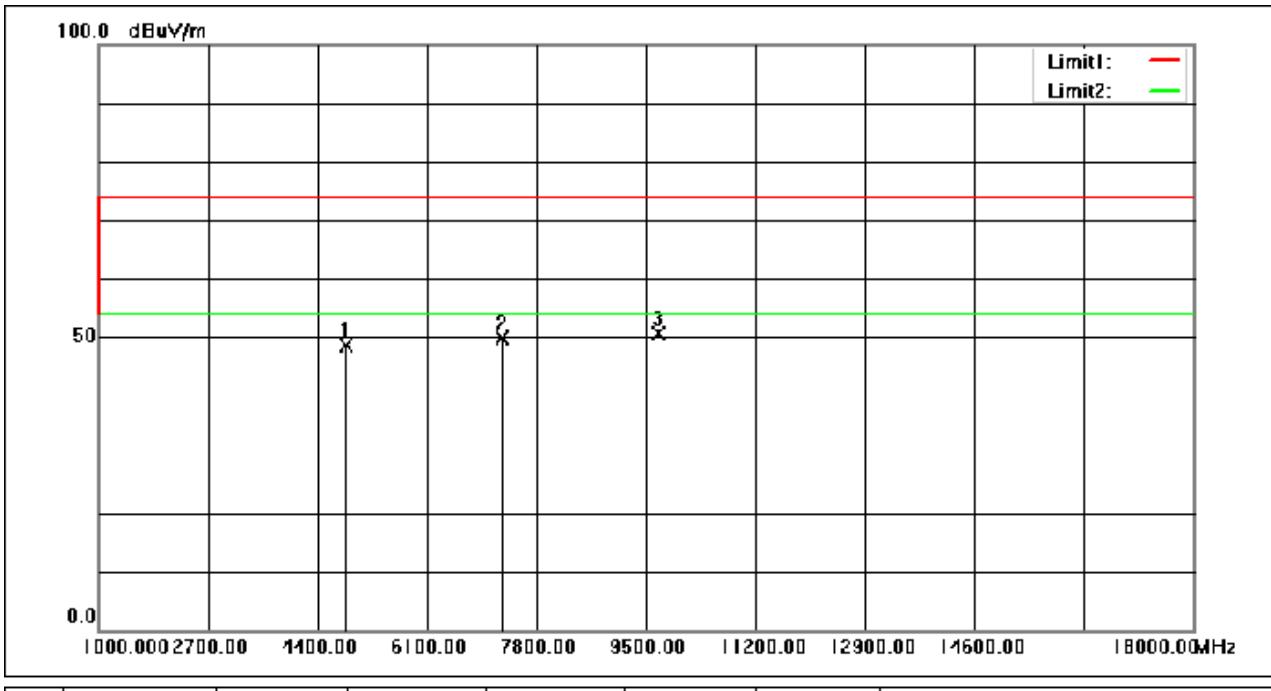
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 64 of 69

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	57.32	-8.71	48.61	74.00	-25.39	peak
2	7266.000	55.78	-5.83	49.95	74.00	-24.05	peak
3	9688.000	51.98	-1.36	50.62	74.00	-23.38	peak



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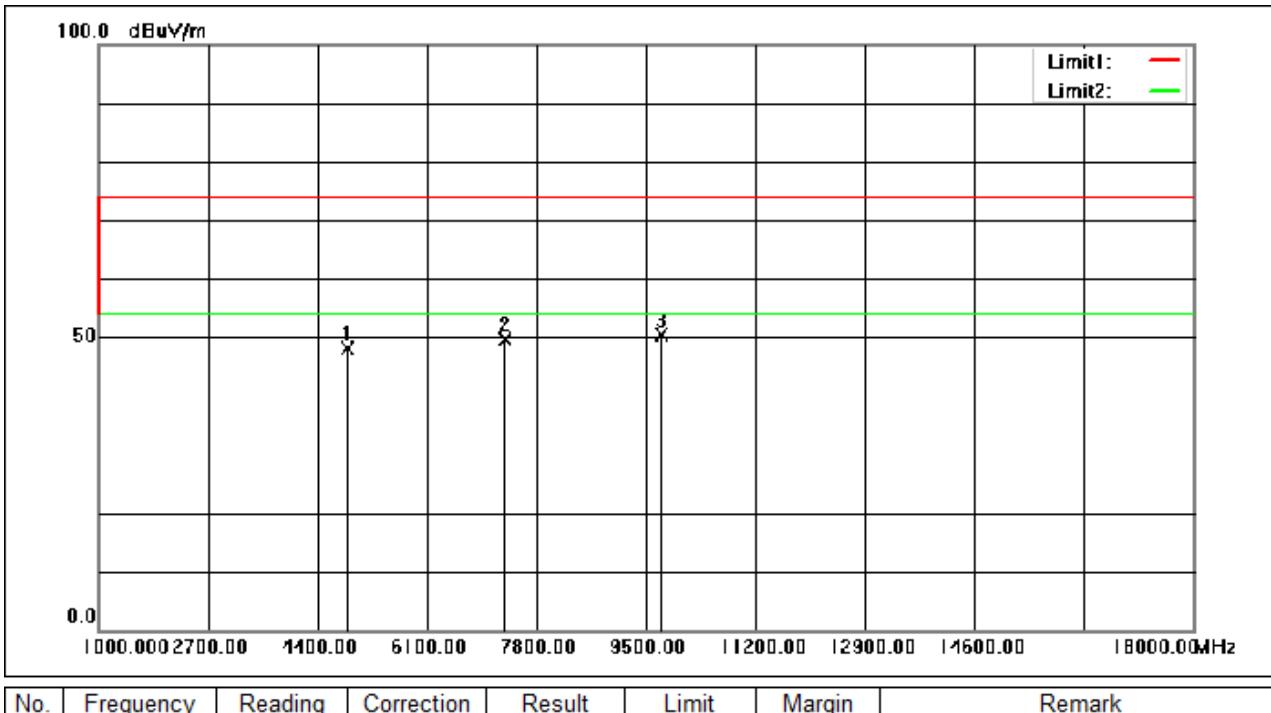
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.62	-8.61	48.01	74.00	-25.99	peak
2	7311.000	55.41	-5.78	49.63	74.00	-24.37	peak
3	9748.000	51.71	-1.43	50.28	74.00	-23.72	peak



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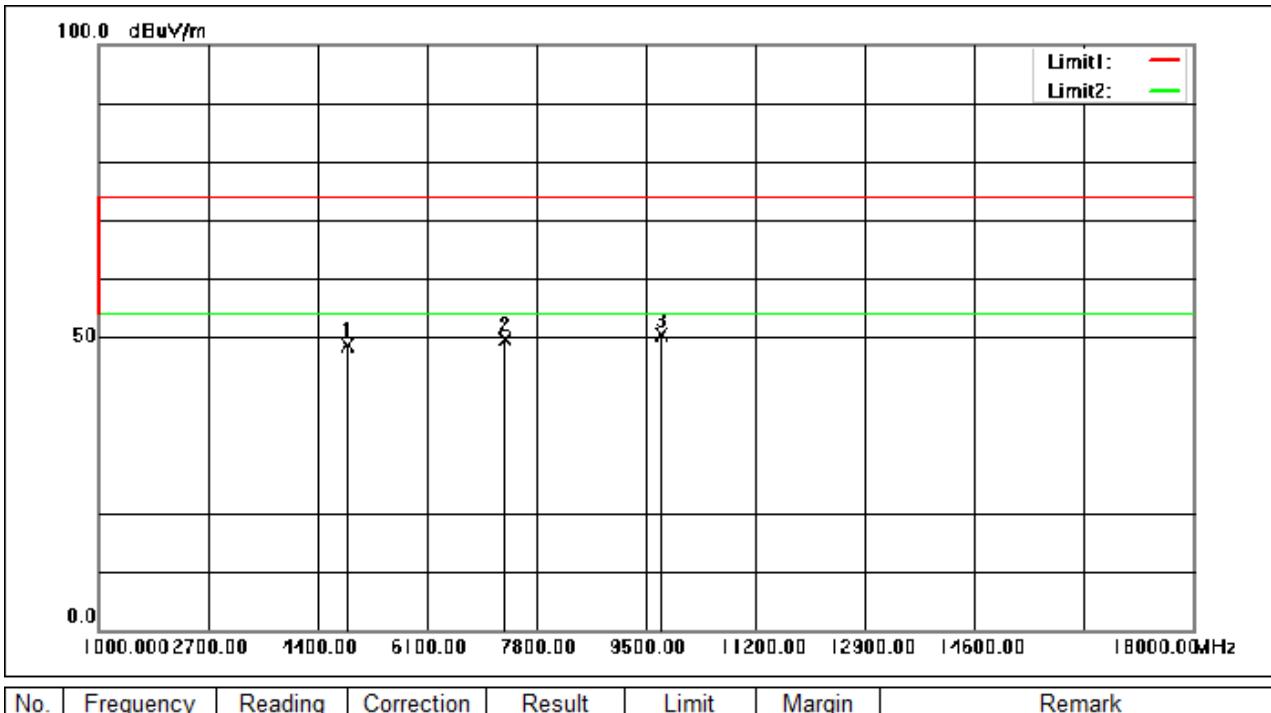
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

Page: 66 of 69

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	57.35	-8.61	48.74	74.00	-25.26	peak
2	7311.000	55.32	-5.78	49.54	74.00	-24.46	peak
3	9748.000	51.92	-1.43	50.49	74.00	-23.51	peak

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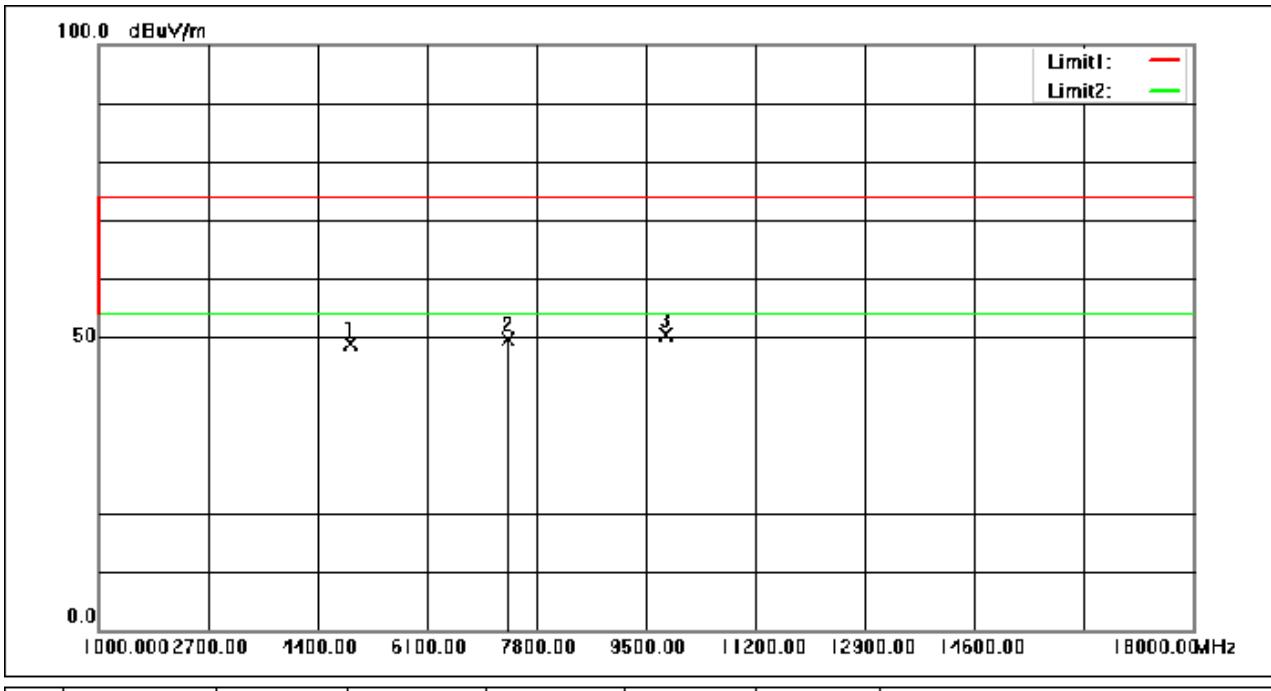
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	57.47	-8.51	48.96	74.00	-25.04	peak
2	7356.000	55.38	-5.73	49.65	74.00	-24.35	peak
3	9808.000	51.83	-1.47	50.36	74.00	-23.64	peak



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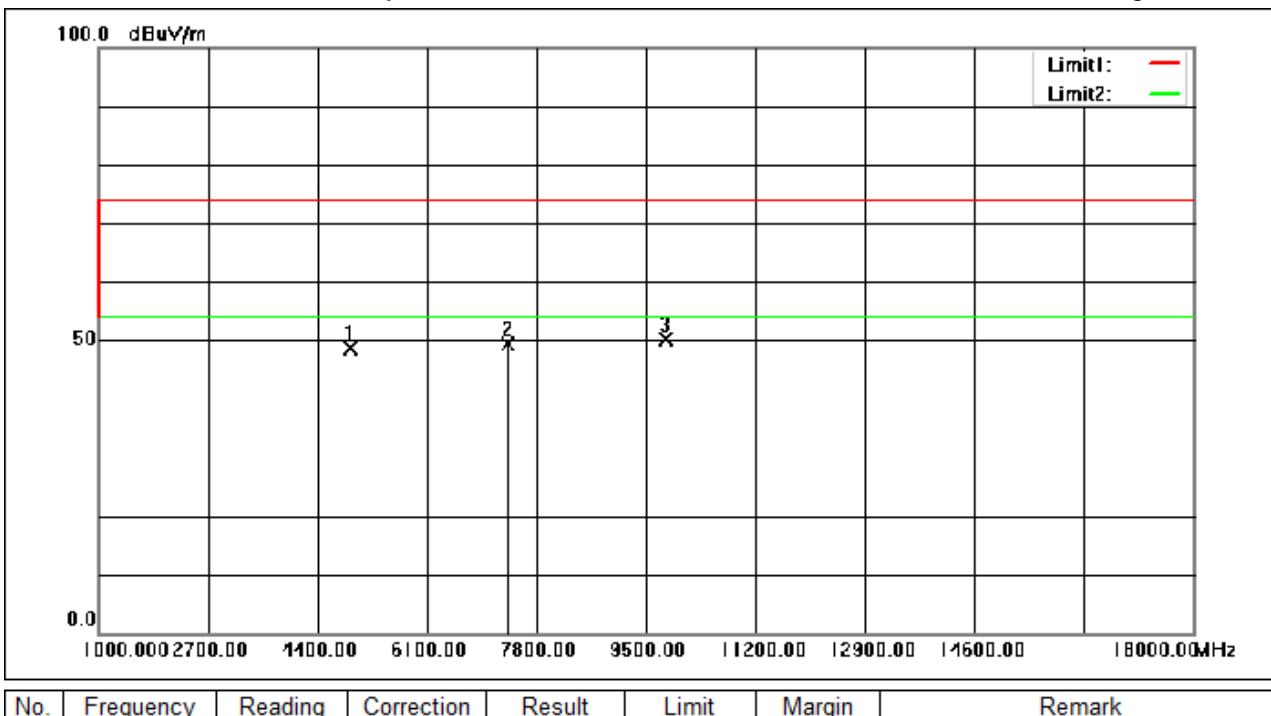
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000196201

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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	57.17	-8.51	48.66	74.00	-25.34	peak
2	7356.000	55.09	-5.73	49.36	74.00	-24.64	peak
3	9808.000	51.70	-1.47	50.23	74.00	-23.77	peak



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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2210001962AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2210001962AT

- End of the Report -



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