



Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240800162604

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TEST REPORT

Application No.: KSCR2408001626AT
FCC ID: 2ASCB-DH055TLB
Name of Testing Laboratory preparing the Report: Compliance Certification Services (Kunshan) Inc.
Address of Testing Laboratory preparing the Report: No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.
Applicant: D2G Group LLC
Address of Applicant: 81 Commerce Drive Fall River, MA 02720 USA
Manufacturer: D2G Group LLC
Address of Manufacturer: 81 Commerce Drive Fall River, MA 02720 USA
Factory: Zhejiang Uniview System Technology Co., Ltd.
Address of Factory: No.1277 Qingfeng South Road (South), Tongxiang Economic Development Zone, Tongxiang City, Jiaxing City, 314500, Zhejiang, China
Equipment Under Test (EUT):
EUT Name: Digital Signage
Model No.: DH055TLB, DH055NLB ♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2024-08-23
Date of Test: 2024-09-12 to 2024-10-12
Date of Issue: 2024-10-15

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2024-10-15	/

Authorized for issue by:			
Tested By		Maker Qi	
		Maker Qi /Project Engineer	
Approved By		Terry Hou	
		Terry Hou /Reviewer	

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2 Test Summary

Radio Spectrum Technical Requirement					
Item	Standard	Method	Requirement	Result	Test Lab*
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Customer Declaration	N/A
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass	N/A

Radio Spectrum Matter Part					
Item	Standard	Method	Requirement	Result	Test Lab*
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass	B
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass	A
99% Bandwidth		KDB 789033 II D	N/A	Pass	A
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass	A
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass	A
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Non-Occupancy Period		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A

Note: There are series models mentioned in this report and they are the identical in electrical and electronic characters. Only the model DH055TLB was tested since their differences were the model number and appearance.

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4 General Information

4.1 Details of E.U.T.

Power supply:	AC 120V/60Hz
Test voltage:	AC 120V/60Hz
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-1: 5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency/Number of channels (80MHz):	U-NII-1: 5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channels); U-NII-3: 5775MHz (1 Channel)
Modulation Type:	OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n/ac/ax 40: 40MHz; 802.11ac/ax 80: 80MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	Dipole Antenna
Antenna Gain:	3dBi (Provided by the manufacturer)

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Notebook	LENOVO	K27	EB24537645
Router	HAWEI	AX5400	/

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4.3 Power level setting using in test

Channel	802.11a	802.11ac(VHT20)	802.11ax(HE20)
	Ant 1	Ant 1	Ant 1
36	19	20	20
40	19	20	20
48	18	20	19
52	18	19	18
60	18	20	19
64	17	17	18
149	17	17	16
157	19	17	19
165	18	17	17
Channel	802.11ac(VHT40)	802.11ax(HE40)	
	Ant 1	Ant 1	
38	19	19	
46	19	19	
54	18	18	
62	19	18	
151	18	18	
159	18	20	
Channel	802.11ac(VHT80)	802.11ax(HE80)	
	Ant 1	Ant 1	
42	18	20	
58	18	19	
155	18	22	

4.4 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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4.5 Test Location

Lab A:

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

Lab B:

Conducted Emissions at AC Power Line (150kHz-30MHz); Radiated Emissions; Radiated Emissions which fall in the restricted bands test at:

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)

Pilot Free Trade Zone

Note:

1. 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).
2. 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).
3. Sample source: sent by customer.

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4.6 Test Facility

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

Lab A:

• 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.

Lab B:

• A2LA (Certificate No. 6336.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

• Innovation, Science and Economic Development Canada

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

• FCC –Designation Number: CN1312

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Lab A:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/24/2024	08/23/2025
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/24/2024	08/23/2025
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/15/2024	01/14/2025
4	Signal Generator	R&S	SMBV100B	KSEM032	03/19/2024	03/18/2025
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/24/2024	08/23/2025
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/24/2024	08/23/2025
7	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/24/2024	08/23/2025
8	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	03/19/2024	03/18/2025
9	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/24/2024	08/23/2025
10	Switcher	TST	FY562	KUS2001M001-4	01/15/2024	01/14/2025
11	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
13	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/15/2024	01/14/2025
14	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	08/24/2024	08/23/2025
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	03/19/2024	03/18/2025
16	Software	BST	TST-PASS	/	NCR	NCR



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Lab B:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2/1/2024	1/31/2025
2	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/8/2024	2/7/2025
3	Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2/4/2024	2/3/2025
4	Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2/4/2024	2/3/2025
5	Measurement Software	Tonscend	JS32-CE	SUWI-02-09-05	NCR	NCR
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-02	6/3/2023	6/2/2026
2	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-13	2/8/2024	2/7/2025
3	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	5/8/2024	5/7/2025
4	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-06	11/21/2023	11/20/2024
5	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2/1/2024	1/31/2025
6	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9168	SUWI-01-11-04	11/25/2023	11/24/2024
7	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-05	11/25/2023	11/24/2024
8	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/12/2023	5/11/2025
9	Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/13/2023	5/12/2025
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2/1/2024	1/31/2025
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2/1/2024	1/31/2025
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2/1/2024	1/31/2025
13	Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR
14	Measurement Software	Tonscend	JS32-RSE	SUWI-02-09-06	NCR	NCR

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

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.

EUT Antenna:

The antenna is Dipole Antenna on the main PCB and no consideration of replacement. The best case gain of the antenna is 3dBi.

Antenna location: Refer to internal photo.



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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.1 °C

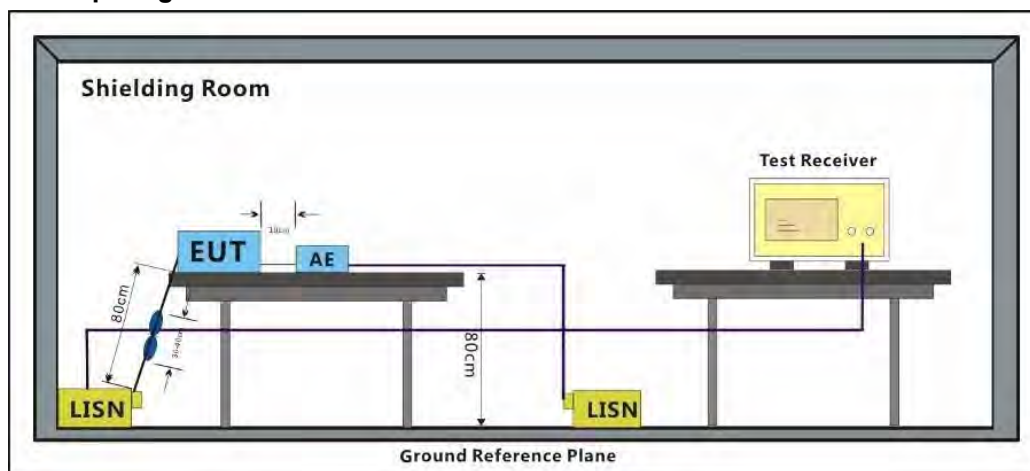
Humidity: 53.3 % RH

Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

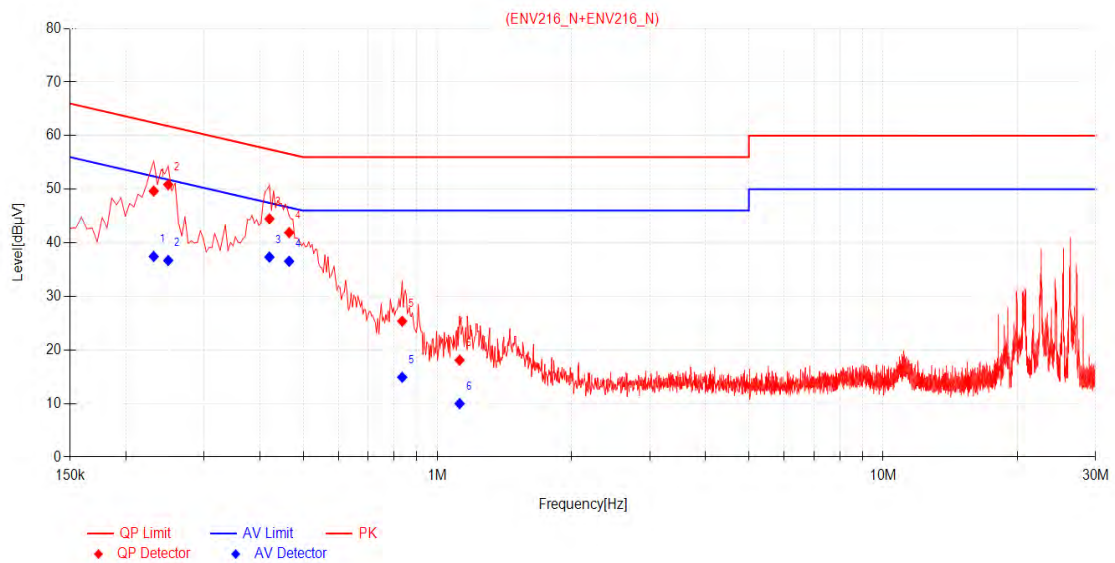
Remark: Level=Read Level+ Cable Loss+ LISN Factor

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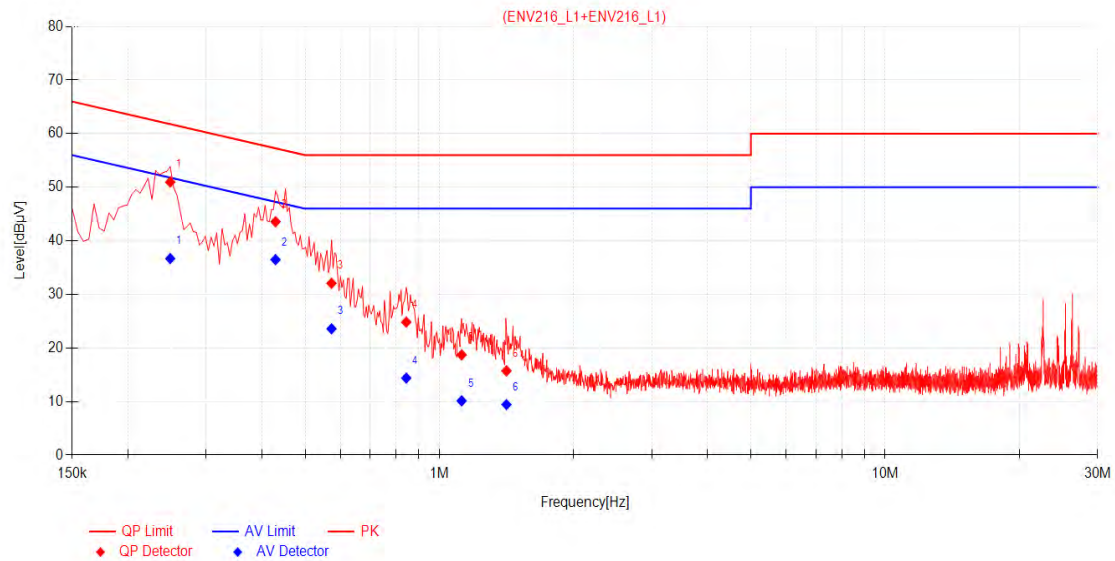
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2310	10.17	39.48	49.65	62.41	12.76	27.28	37.45	52.41	14.96	PASS
2	0.2490	10.16	40.69	50.85	61.79	10.94	26.55	36.71	51.79	15.08	PASS
3	0.4200	10.16	34.31	44.47	57.45	12.98	27.18	37.34	47.45	10.11	PASS
4	0.4650	10.16	31.74	41.90	56.60	14.70	26.40	36.56	46.60	10.04	PASS
5	0.8340	10.15	15.21	25.36	56.00	30.64	4.76	14.91	46.00	31.09	PASS
6	1.1220	10.09	8.01	18.10	56.00	37.90	-0.11	9.98	46.00	36.02	PASS

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NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2490	10.16	40.81	50.97	61.79	10.82	26.53	36.69	51.79	15.10	PASS
2	0.4290	10.17	33.40	43.57	57.27	13.70	26.32	36.49	47.27	10.78	PASS
3	0.5730	10.19	21.89	32.08	56.00	23.92	13.39	23.58	46.00	22.42	PASS
4	0.8430	10.14	14.69	24.83	56.00	31.17	4.25	14.39	46.00	31.61	PASS
5	1.1220	10.08	8.63	18.71	56.00	37.29	0.05	10.13	46.00	35.87	PASS
6	1.4145	10.08	5.64	15.72	56.00	40.28	-0.65	9.43	46.00	36.57	PASS

7.2 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) or 11dBm+10logB*
5470-5725	≤250mW(24dBm) or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.1 °C

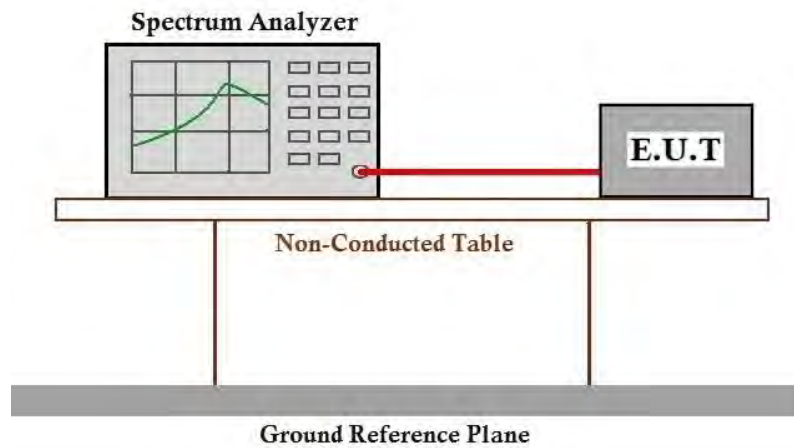
Humidity: 53.3 % RH

Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

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
960-1000	500	3

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

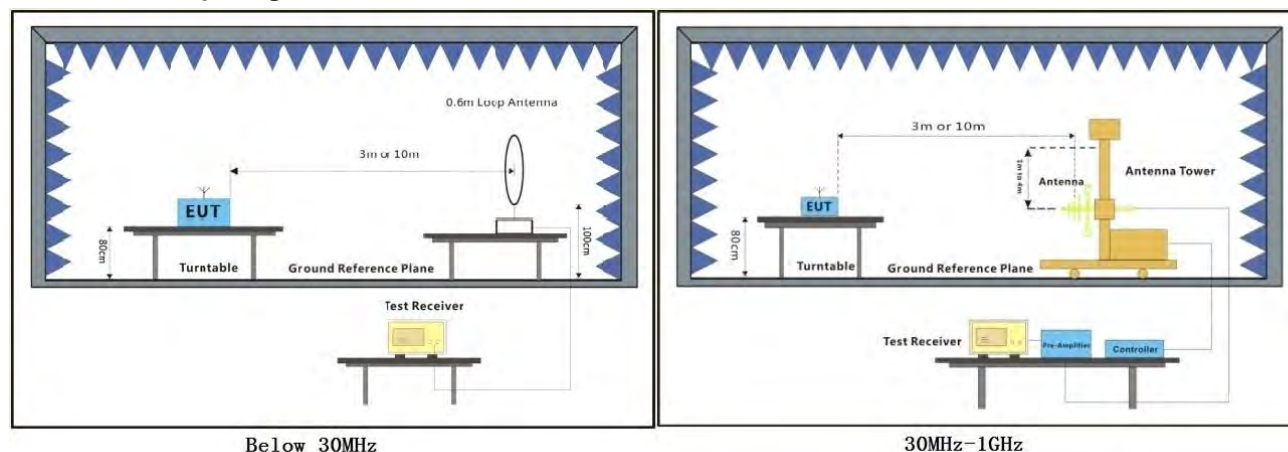
Humidity: 46 % RH

Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



7.3.4 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 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:

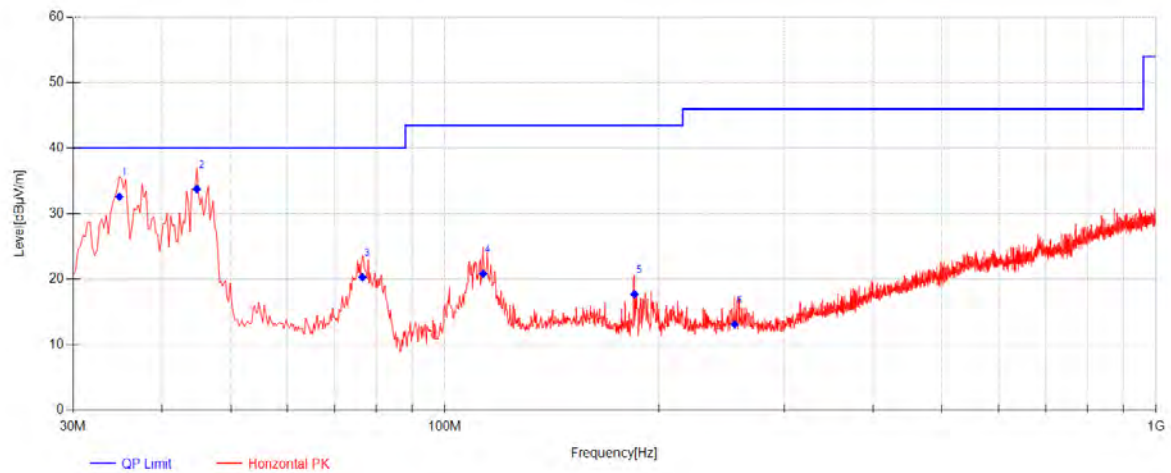
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamplifier Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points 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.
4. 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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Final Data List

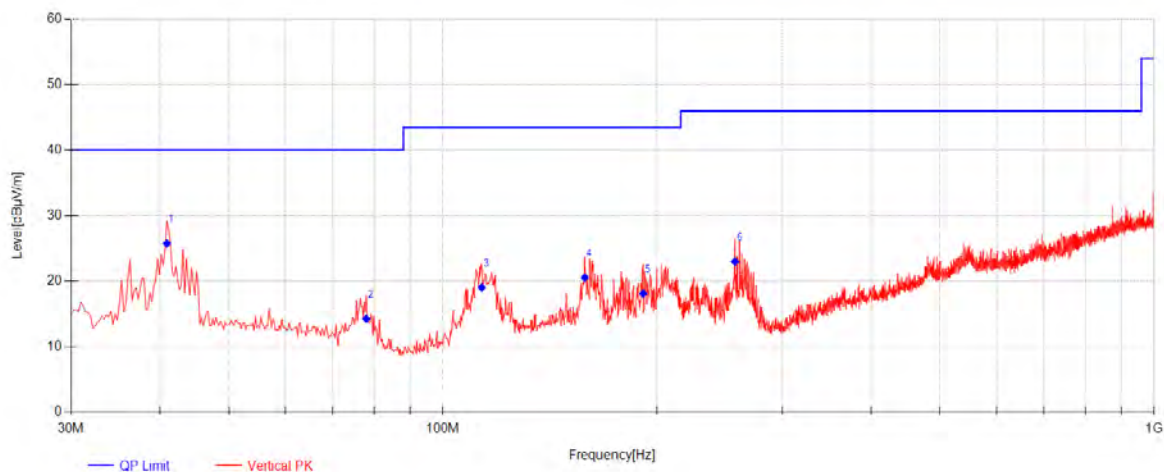
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	34.85	56.28	-42.36	18.68	32.59	40.00	7.41	Horizontal
2	44.7925	56.87	-42.35	19.26	33.79	40.00	6.21	Horizontal
3	76.56	46.10	-41.92	16.08	20.27	40.00	19.73	Horizontal
4	113.1775	45.96	-41.77	16.62	20.81	43.50	22.69	Horizontal
5	184.715	42.36	-40.99	16.35	17.72	43.50	25.78	Horizontal
6	255.525	36.22	-40.42	17.29	13.09	46.00	32.91	Horizontal

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Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	40.9125	48.56	-42.33	19.54	25.77	40.00	14.23	Vertical
2	78.015	40.31	-41.88	15.84	14.27	40.00	25.73	Vertical
3	113.42	44.16	-41.77	16.64	19.03	43.50	24.47	Vertical
4	158.2825	42.86	-40.81	18.49	20.54	43.50	22.96	Vertical
5	191.2625	43.23	-40.96	15.86	18.13	43.50	25.37	Vertical
6	257.465	46.13	-40.38	17.25	23.00	46.00	23.00	Vertical

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7.4 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
*(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. 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.		

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

Humidity: 46 % RH

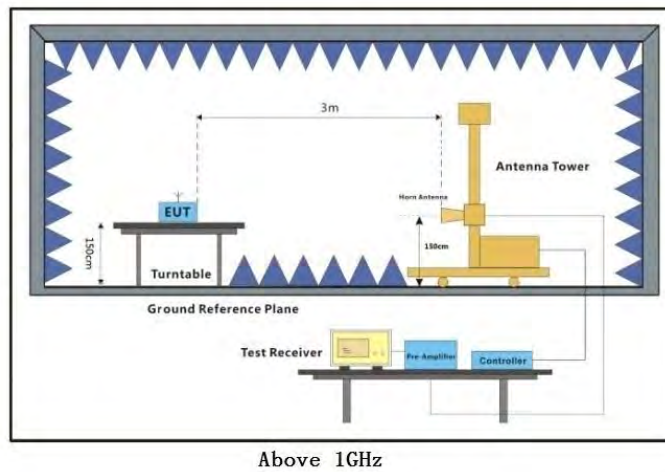
Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
--	--	--

7.4.3 Test Setup Diagram



7.4.4 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 18GHz to 40GHz, 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.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle<98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

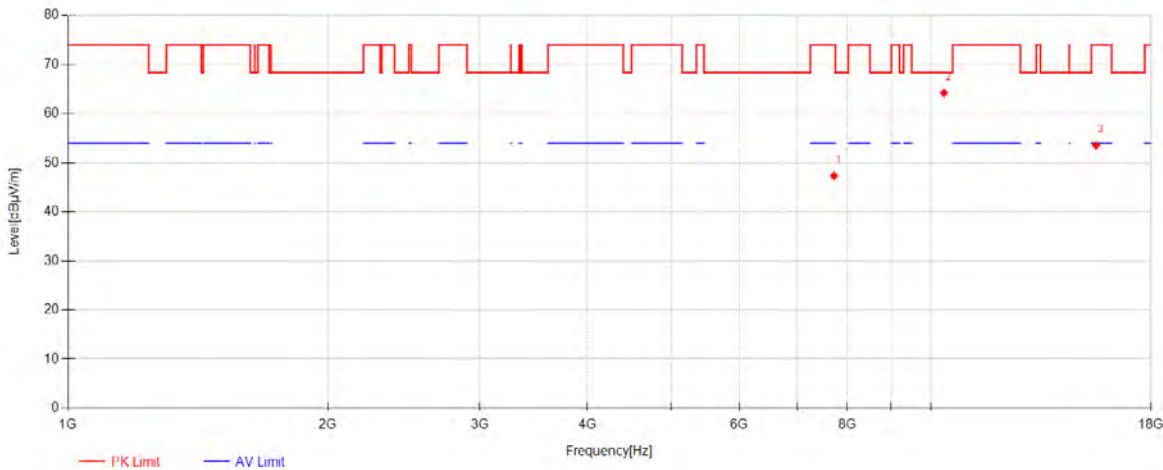
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802.11a_Channel 36



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.44	36.71	-42.87	47.28	74.00	26.72	Horizontal
2	10356.333	64.49	38.54	-38.83	64.20	68.30	4.10	Horizontal
3	15544.270	47.84	40.46	-34.78	53.51	74.00	20.49	Horizontal

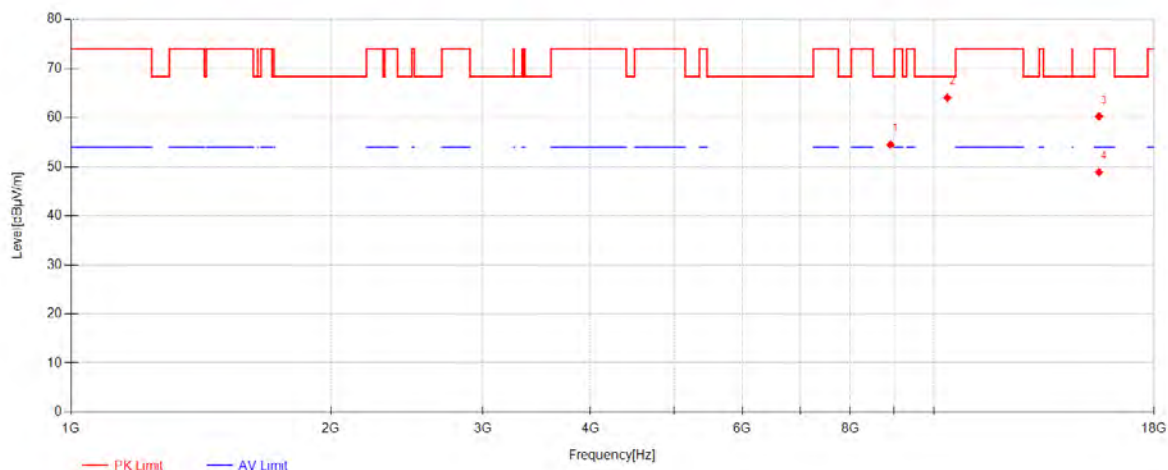
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	58.84	36.55	-40.91	54.49	68.30	13.81	Vertical
2	10368.312	64.31	38.54	-38.80	64.05	68.30	4.25	Vertical
3	15540.437	54.61	40.47	-34.81	60.26	74.00	13.74	Vertical
4	15540.916	43.20	40.46	-34.81	48.86	54.00	5.14	Vertical

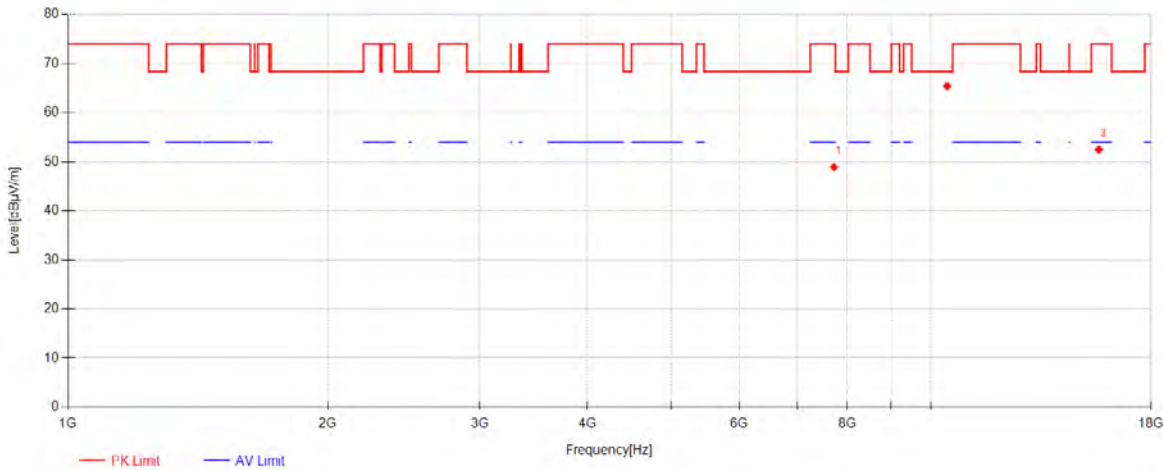
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802.11a_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	55.03	36.71	-42.87	48.87	74.00	25.13	Horizontal
2	10444.020	65.60	38.54	-38.74	65.41	68.30	2.89	Horizontal
3	15653.520	46.00	40.23	-33.78	52.45	74.00	21.55	Horizontal

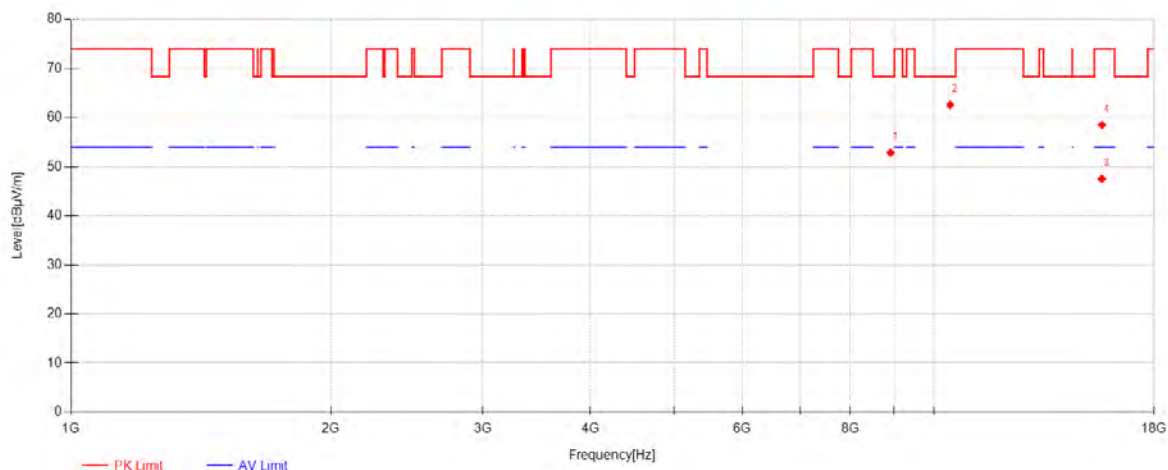
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802.11a_Channel 44



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	57.16	36.55	-40.91	52.81	68.30	15.49	Vertical
2	10444.020	62.77	38.54	-38.74	62.58	68.30	5.72	Vertical
3	15656.395	41.01	40.22	-33.74	47.49	54.00	6.51	Vertical
4	15659.270	52.00	40.22	-33.71	58.50	74.00	15.50	Vertical

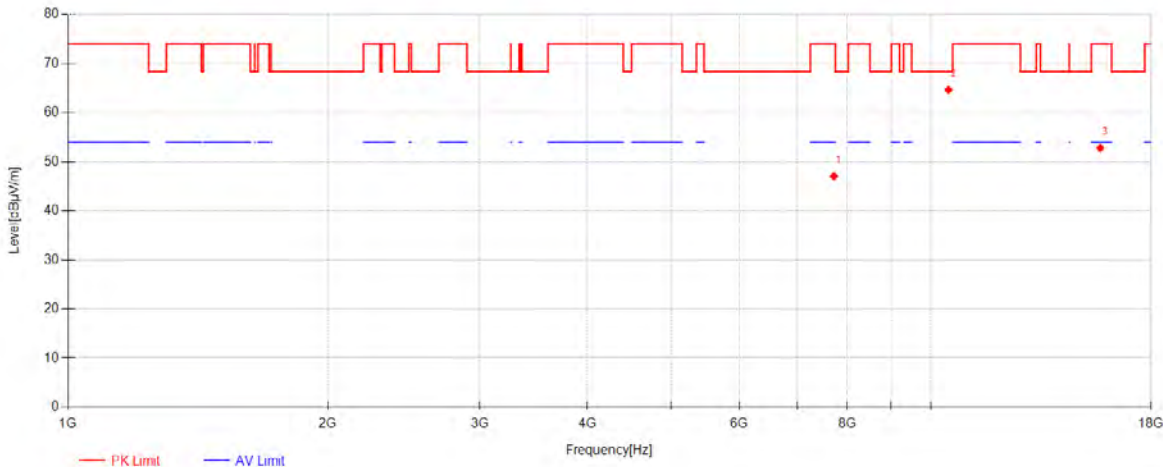
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802.11a_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.18	36.71	-42.87	47.02	74.00	26.98	Horizontal
2	10484.270	64.84	38.55	-38.75	64.63	68.30	3.67	Horizontal
3	15719.166	45.89	40.09	-33.22	52.76	74.00	21.24	Horizontal

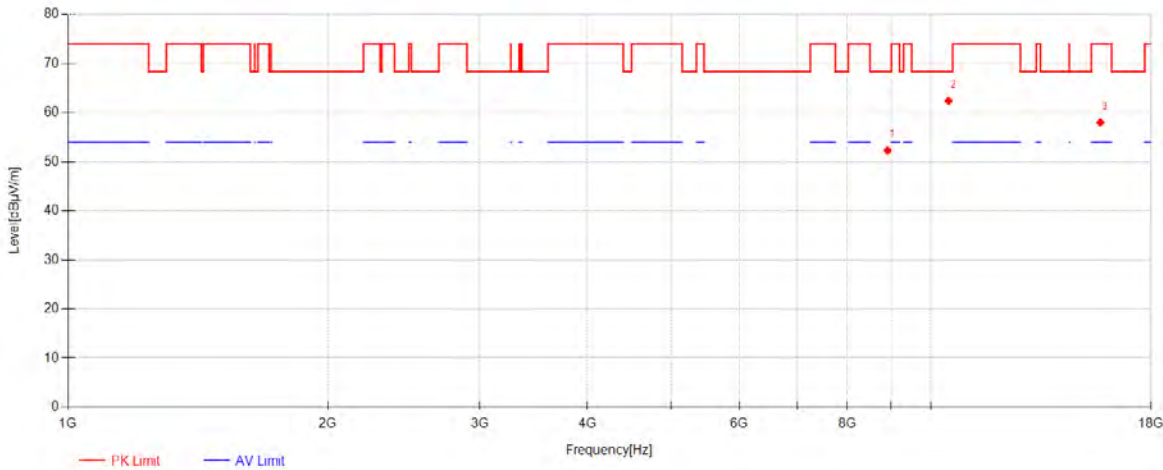
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802.11a_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.60	36.55	-40.91	52.25	68.30	16.05	Vertical
2	10483.791	62.60	38.55	-38.75	62.39	68.30	5.91	Vertical
3	15723	51.09	40.08	-33.21	57.96	74.00	16.04	Vertical

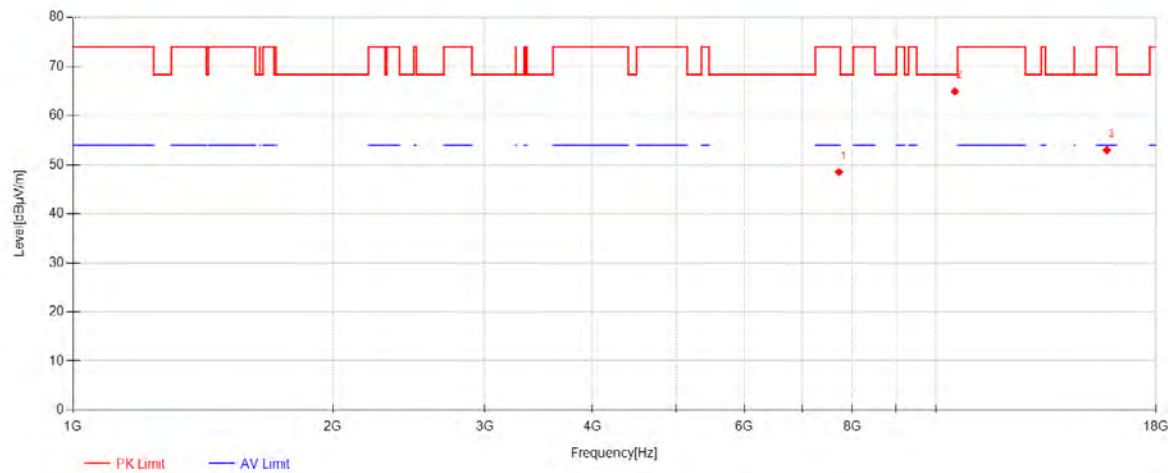
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802.11a_Channel 52



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	54.64	36.71	-42.87	48.48	74.00	25.52	Horizontal
2	10520.208	64.98	38.55	-38.61	64.92	68.30	3.38	Horizontal
3	15783.375	46.08	39.95	-33.09	52.94	74.00	21.06	Horizontal

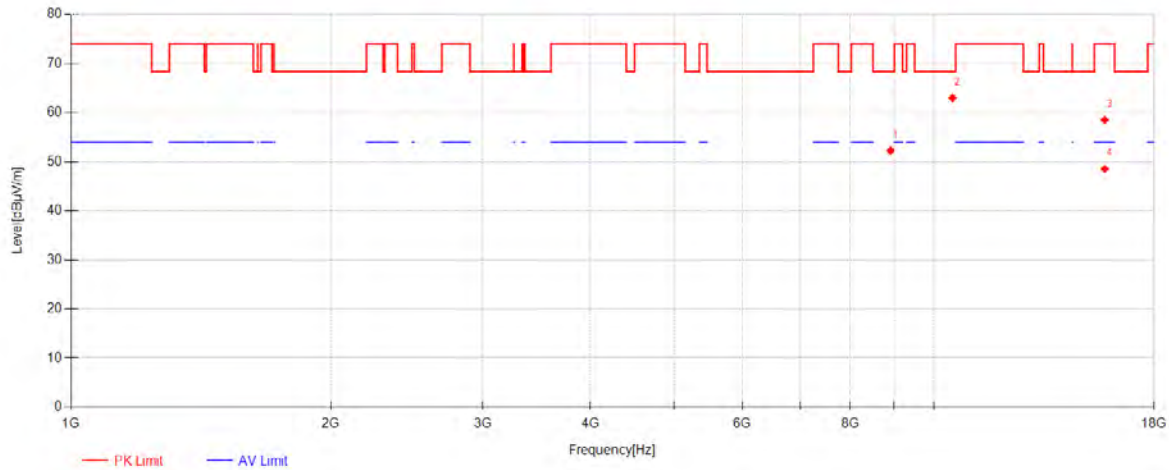
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.57	36.55	-40.91	52.22	68.30	16.08	Vertical
2	10513.5	63.09	38.55	-38.66	62.98	68.30	5.32	Vertical
3	15777.625	51.64	39.97	-33.10	58.50	74.00	15.50	Vertical
4	15781.937	41.64	39.96	-33.10	48.50	54.00	5.50	Vertical

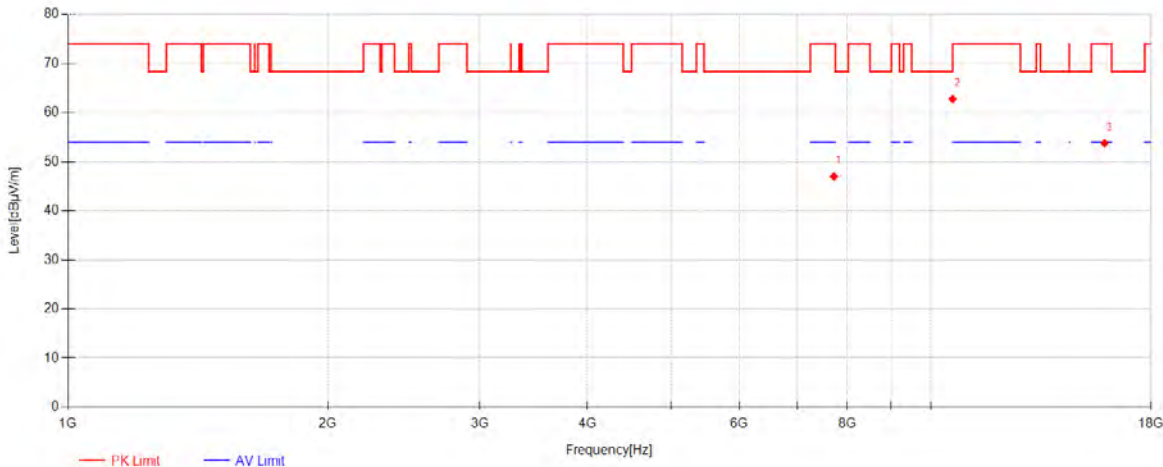
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802.11a_Channel 60



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	53.12	36.71	-42.87	46.96	74.00	27.04	Horizontal
2	10598.312	62.20	38.56	-38.02	62.74	68.30	5.56	Horizontal
3	15903.645	48.20	39.70	-34.16	53.74	74.00	20.26	Horizontal

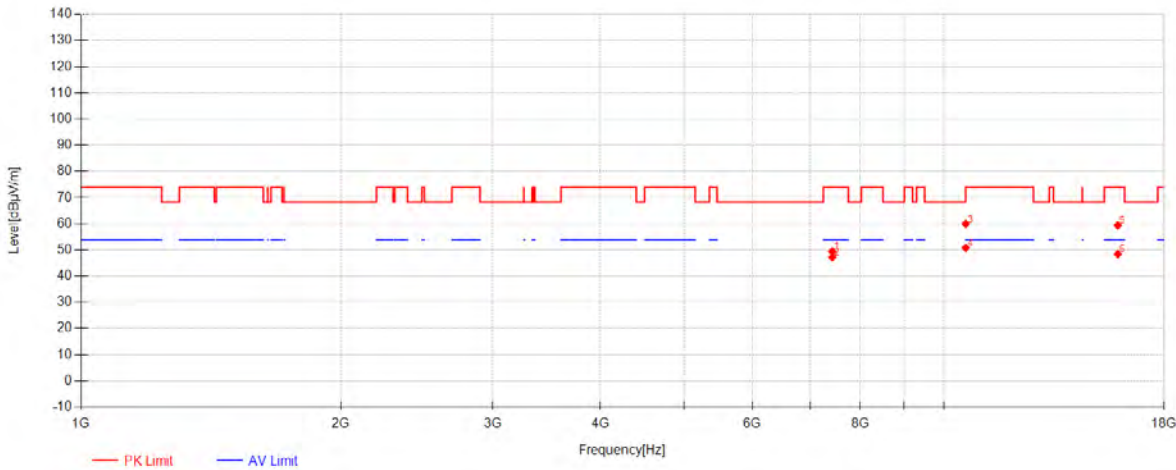
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802.11a_Channel 60



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	56.12	36.19	-42.88	49.43	74.00	24.57	Vertical
2	7424.7917	53.93	36.19	-42.88	47.24	54.00	6.76	Vertical
3	10600.229	59.39	38.56	-38.01	59.94	74.00	14.06	Vertical
4	10602.145	50.23	38.56	-38.00	50.79	54.00	3.21	Vertical
5	15907.479	53.85	39.69	-34.19	59.35	74.00	14.65	Vertical
6	15907.958	42.91	39.69	-34.20	48.41	54.00	5.59	Vertical

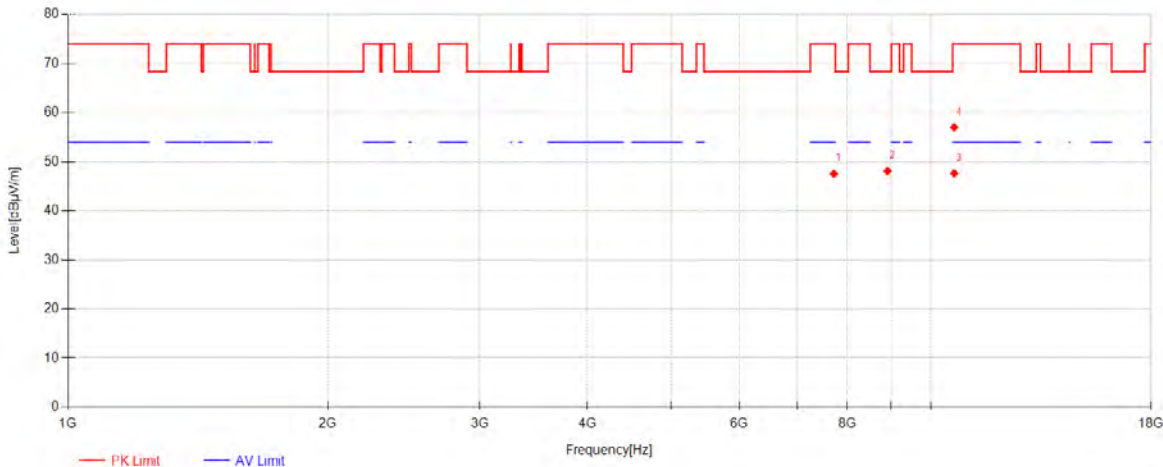
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802.11a_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	53.65	36.71	-42.87	47.49	74.00	26.51	Horizontal
2	8909.25	52.40	36.55	-40.91	48.05	68.30	20.25	Horizontal
3	10642.395	46.83	38.56	-37.79	47.60	54.00	6.40	Horizontal
4	10642.395	56.22	38.56	-37.79	56.99	74.00	17.01	Horizontal

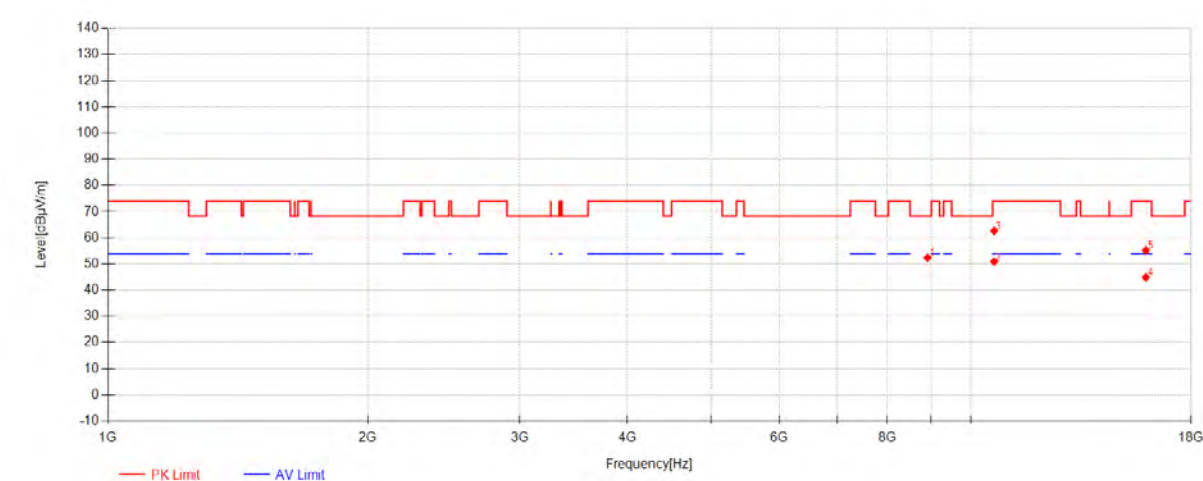
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.74	36.55	-40.91	52.39	68.30	15.91	Vertical
2	10639.520	50.09	38.56	-37.80	50.85	54.00	3.15	Vertical
3	10641.437	61.84	38.56	-37.79	62.61	74.00	11.39	Vertical
4	15954.916	39.94	39.59	-34.59	44.95	54.00	9.05	Vertical
5	15956.354	50.23	39.59	-34.60	55.22	74.00	18.78	Vertical

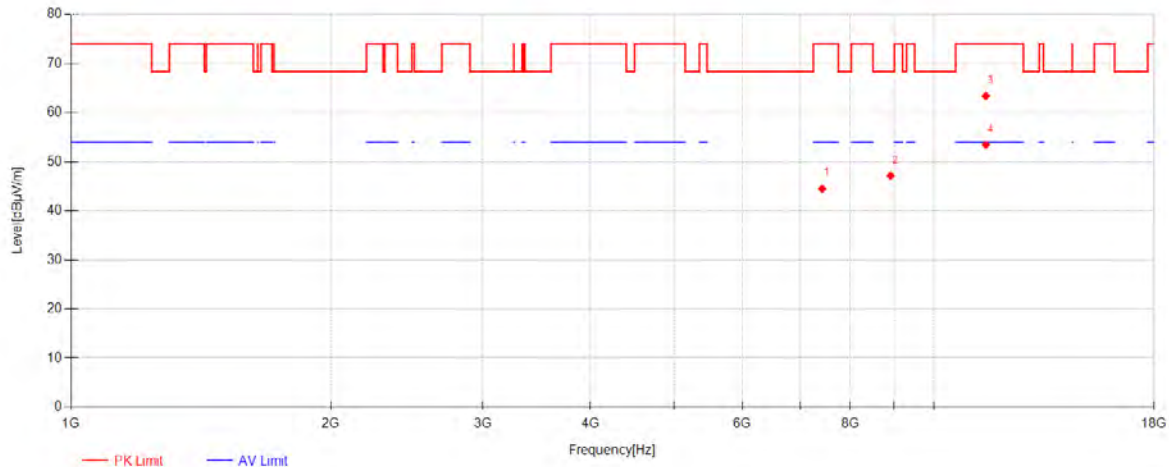
Compliance Certification Services (Kunshan) Inc.

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802.11a_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7423.8333	51.20	36.19	-42.88	44.51	74.00	29.49	Horizontal
2	8909.7292	51.46	36.55	-40.91	47.11	68.30	21.19	Horizontal
3	11488.604	61.13	38.84	-36.62	63.35	74.00	10.65	Horizontal
4	11491.958	51.15	38.85	-36.59	53.41	54.00	0.59	Horizontal

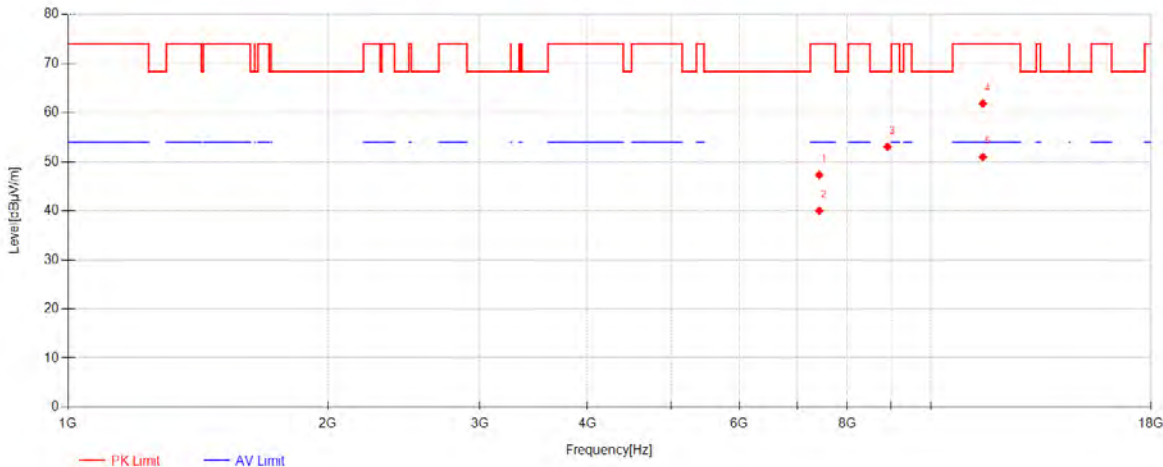
Compliance Certification Services (Kunshan) Inc.

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802.11a_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	53.94	36.19	-42.88	47.25	74.00	26.75	Vertical
2	7424.7917	46.71	36.19	-42.88	40.02	54.00	13.98	Vertical
3	8909.25	57.35	36.55	-40.91	53.00	68.30	15.30	Vertical
4	11489.562	59.58	38.84	-36.61	61.81	74.00	12.19	Vertical
5	11490.041	48.72	38.85	-36.61	50.96	54.00	3.04	Vertical

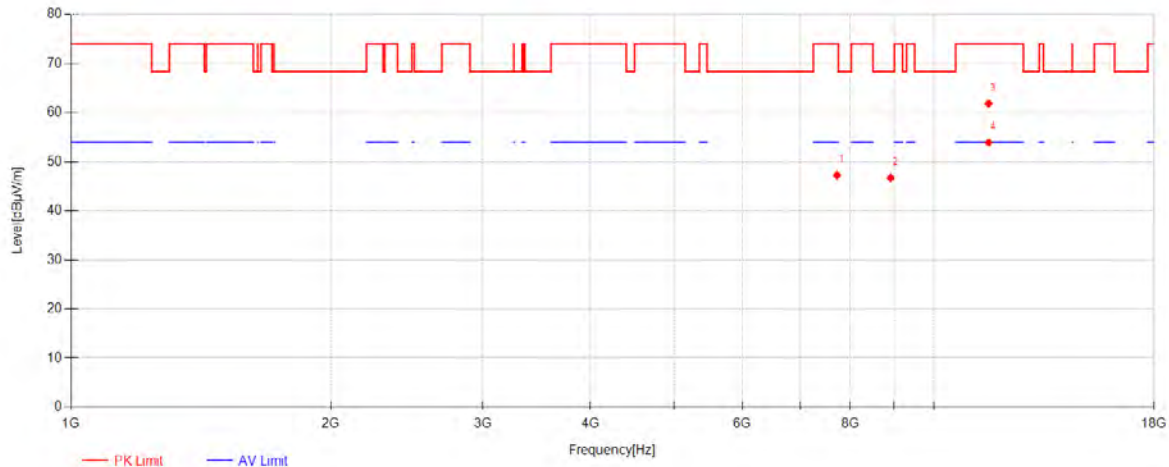
Compliance Certification Services (Kunshan) Inc.

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802.11a_Channel 157



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	53.36	36.71	-42.87	47.20	74.00	26.80	Horizontal
2	8909.25	51.05	36.55	-40.91	46.70	68.30	21.60	Horizontal
3	11571.020	59.78	38.89	-36.84	61.82	74.00	12.18	Horizontal
4	11571.979	51.84	38.89	-36.85	53.88	54.00	0.12	Horizontal

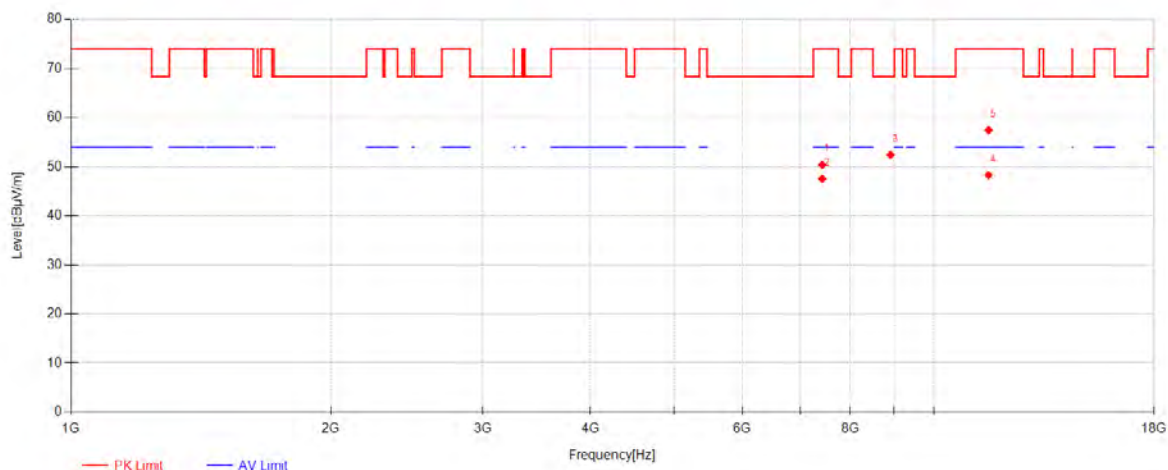
Compliance Certification Services (Kunshan) Inc.

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802.11a_Channel 157



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	57.06	36.19	-42.88	50.37	74.00	23.63	Vertical
2	7424.7917	54.18	36.19	-42.88	47.49	54.00	6.51	Vertical
3	8909.25	56.72	36.55	-40.91	52.37	68.30	15.93	Vertical
4	11569.583	46.20	38.88	-36.84	48.25	54.00	5.75	Vertical
5	11573.416	55.40	38.89	-36.86	57.43	74.00	16.57	Vertical

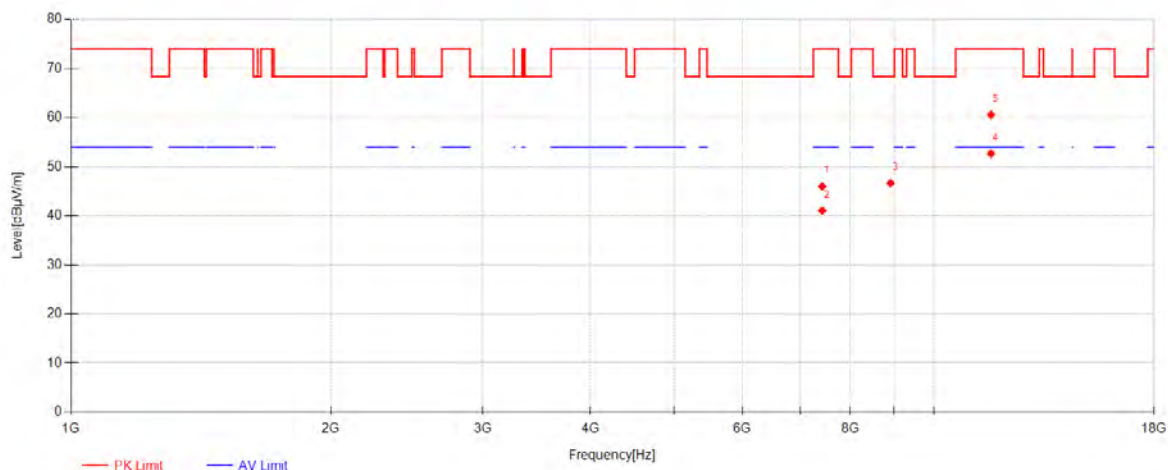
Compliance Certification Services (Kunshan) Inc.

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802.11a_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	52.67	36.19	-42.88	45.98	74.00	28.02	Horizontal
2	7424.7917	47.73	36.19	-42.88	41.04	54.00	12.96	Horizontal
3	8909.25	50.99	36.55	-40.91	46.64	68.30	21.66	Horizontal
4	11647.687	50.27	38.92	-36.56	52.64	54.00	1.36	Horizontal
5	11648.645	58.22	38.92	-36.55	60.60	74.00	13.40	Horizontal

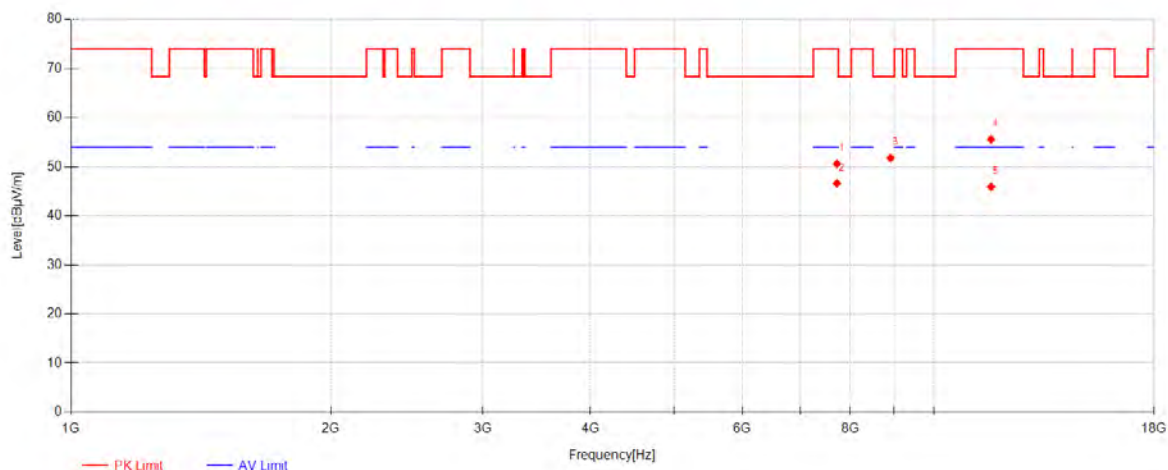
Compliance Certification Services (Kunshan) Inc.

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802.11a_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	56.76	36.71	-42.87	50.60	74.00	23.40	Vertical
2	7721.875	52.75	36.71	-42.87	46.59	54.00	7.41	Vertical
3	8909.7292	56.10	36.55	-40.91	51.75	68.30	16.55	Vertical
4	11647.687	53.18	38.92	-36.56	55.55	74.00	18.45	Vertical
5	11651.520	43.51	38.93	-36.52	45.91	54.00	8.09	Vertical

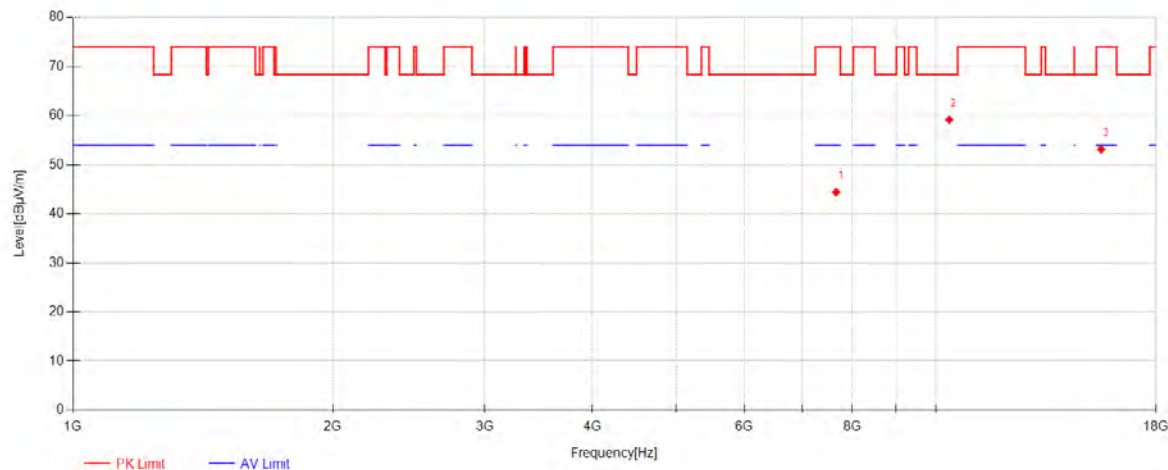
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7664.375	50.67	36.63	-42.88	44.42	74.00	29.58	Horizontal
2	10363.041	59.44	38.54	-38.81	59.16	68.30	9.14	Horizontal
3	15542.354	47.46	40.46	-34.80	53.12	74.00	20.88	Horizontal

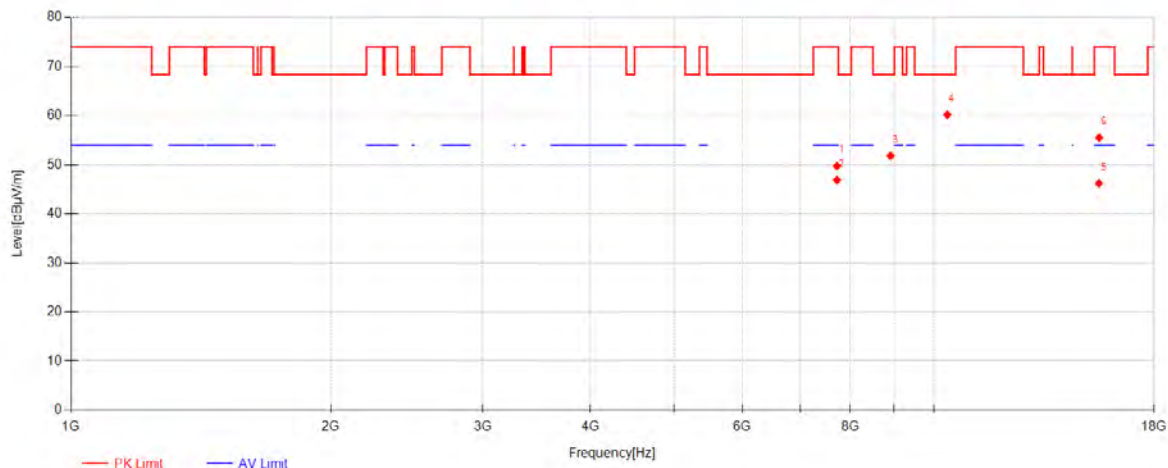
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 36



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	55.89	36.71	-42.87	49.73	74.00	24.27	Vertical
2	7721.875	53.00	36.71	-42.87	46.84	54.00	7.16	Vertical
3	8909.25	56.14	36.55	-40.91	51.79	68.30	16.51	Vertical
4	10365.916	60.46	38.54	-38.81	60.19	68.30	8.11	Vertical
5	15538.041	40.54	40.47	-34.83	46.18	54.00	7.82	Vertical
6	15546.666	49.81	40.45	-34.76	55.50	74.00	18.50	Vertical

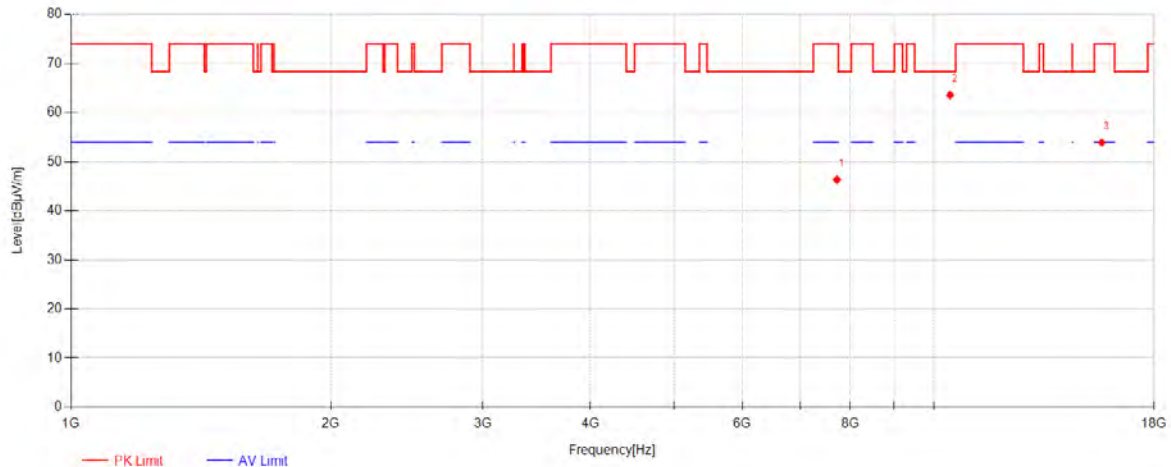
Compliance Certification Services (Kunshan) Inc.

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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	52.46	36.71	-42.87	46.30	74.00	27.70	Horizontal
2	10442.104	63.74	38.54	-38.74	63.55	68.30	4.75	Horizontal
3	15653.041	47.44	40.23	-33.78	53.89	74.00	20.11	Horizontal

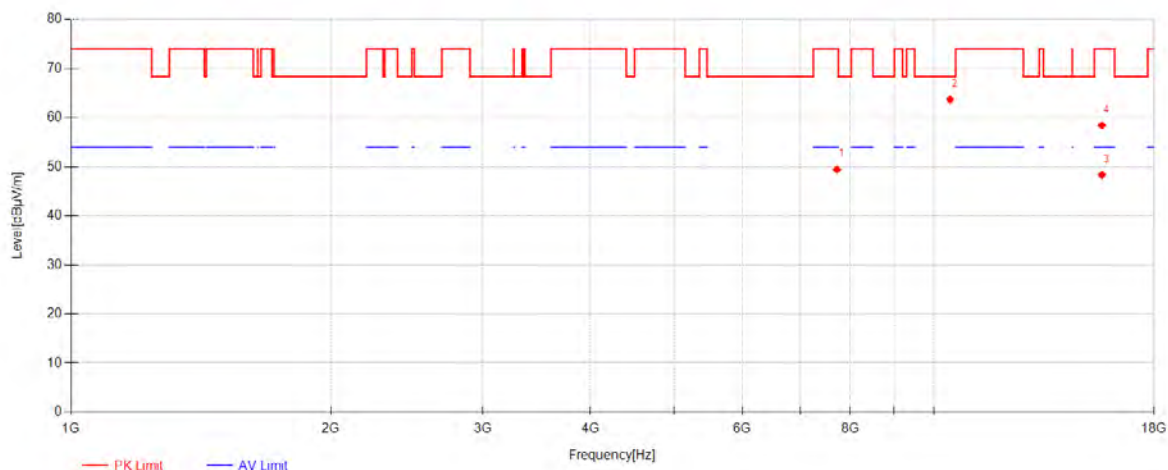
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 44



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	55.58	36.71	-42.87	49.42	74.00	24.58	Vertical
2	10444.020	63.86	38.54	-38.74	63.67	68.30	4.63	Vertical
3	15659.270	41.81	40.22	-33.71	48.31	54.00	5.69	Vertical
4	15660.229	51.88	40.21	-33.70	58.39	74.00	15.61	Vertical

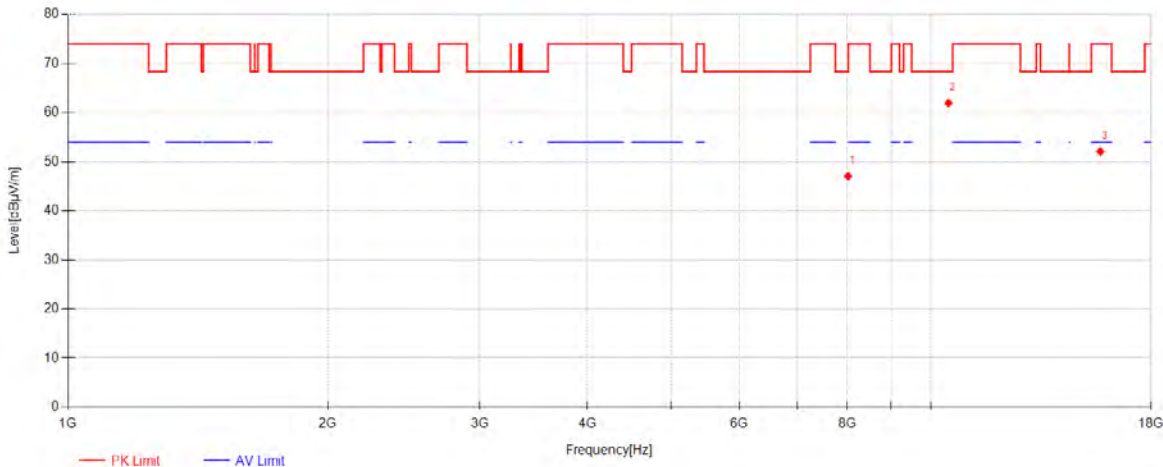
Compliance Certification Services (Kunshan) Inc.

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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8018.4792	51.92	37.09	-41.98	47.02	68.30	21.28	Horizontal
2	10480.916	62.14	38.55	-38.75	61.94	68.30	6.36	Horizontal
3	15722.041	45.20	40.08	-33.22	52.07	74.00	21.93	Horizontal

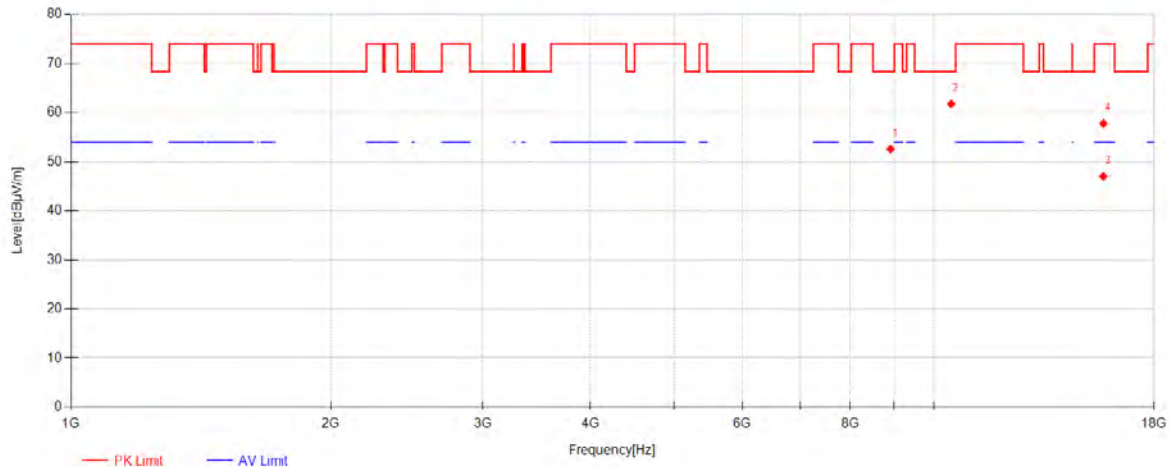
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 48



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.7292	56.91	36.55	-40.91	52.56	68.30	15.74	Vertical
2	10474.687	61.96	38.55	-38.75	61.76	68.30	6.54	Vertical
3	15721.083	40.11	40.09	-33.22	46.98	54.00	7.02	Vertical
4	15723.958	50.86	40.08	-33.21	57.73	74.00	16.27	Vertical

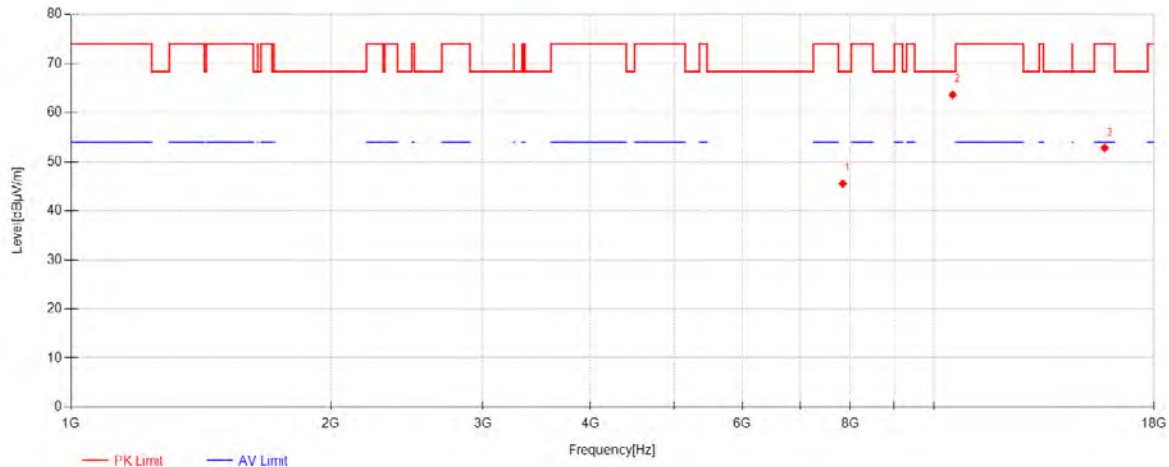
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 52



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7842.1458	51.29	36.88	-42.65	45.52	68.30	22.78	Horizontal
2	10513.5	63.70	38.55	-38.66	63.59	68.30	4.71	Horizontal
3	15777.145	45.89	39.97	-33.11	52.75	74.00	21.25	Horizontal

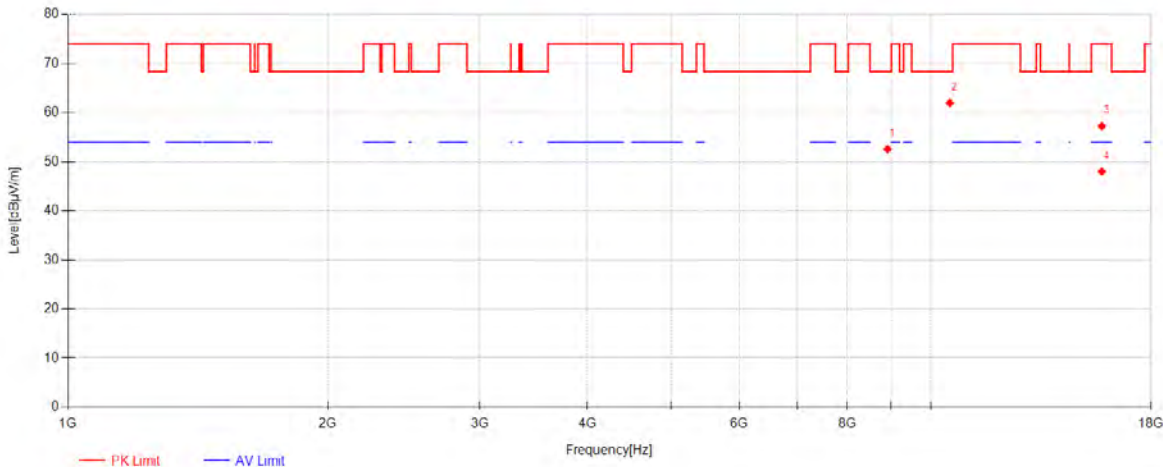
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 52



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.89	36.55	-40.91	52.54	68.30	15.76	Vertical
2	10519.25	62.03	38.55	-38.62	61.97	68.30	6.33	Vertical
3	15782.895	50.35	39.96	-33.09	57.21	74.00	16.79	Vertical
4	15782.895	41.10	39.96	-33.09	47.96	54.00	6.04	Vertical

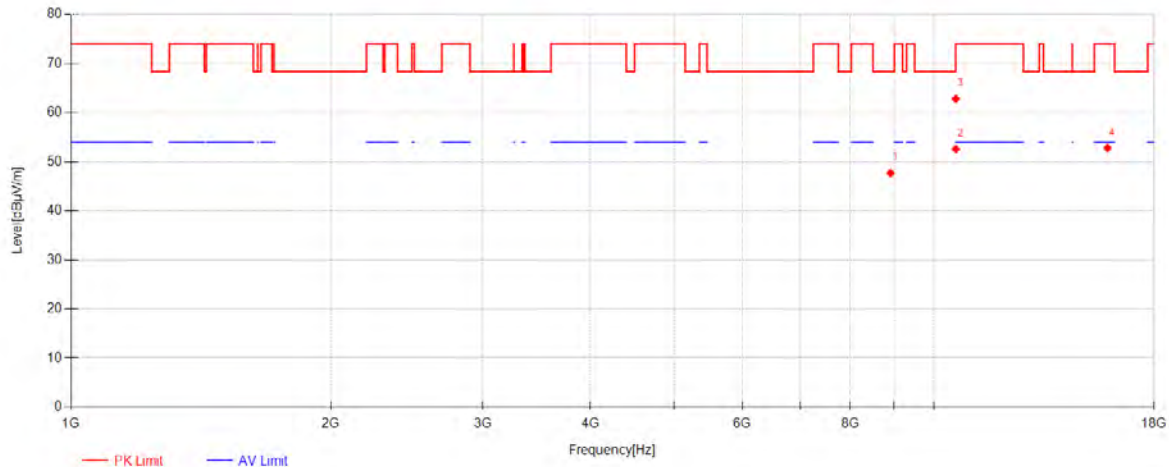
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 60



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	52.01	36.55	-40.91	47.66	68.30	20.64	Horizontal
2	10603.104	51.98	38.56	-37.99	52.55	54.00	1.45	Horizontal
3	10604.062	62.21	38.56	-37.99	62.78	74.00	11.22	Horizontal
4	15895.5	47.11	39.72	-34.08	52.75	74.00	21.25	Horizontal

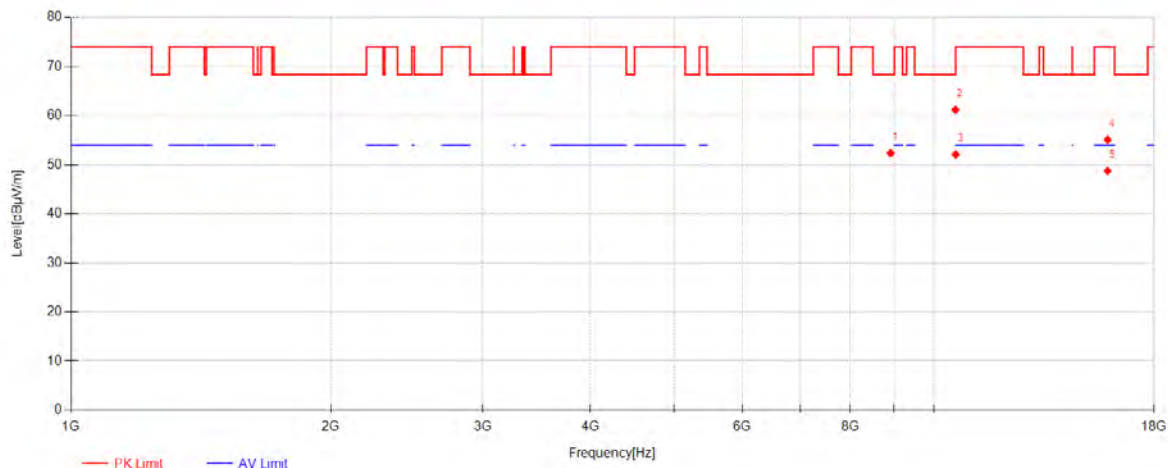
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 60



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.68	36.55	-40.91	52.33	68.30	15.97	Vertical
2	10593.520	60.68	38.56	-38.06	61.18	68.30	7.12	Vertical
3	10600.229	51.53	38.56	-38.01	52.08	54.00	1.92	Vertical
4	15899.333	49.51	39.71	-34.12	55.10	74.00	18.90	Vertical
5	15899.812	43.16	39.71	-34.13	48.74	54.00	5.26	Vertical

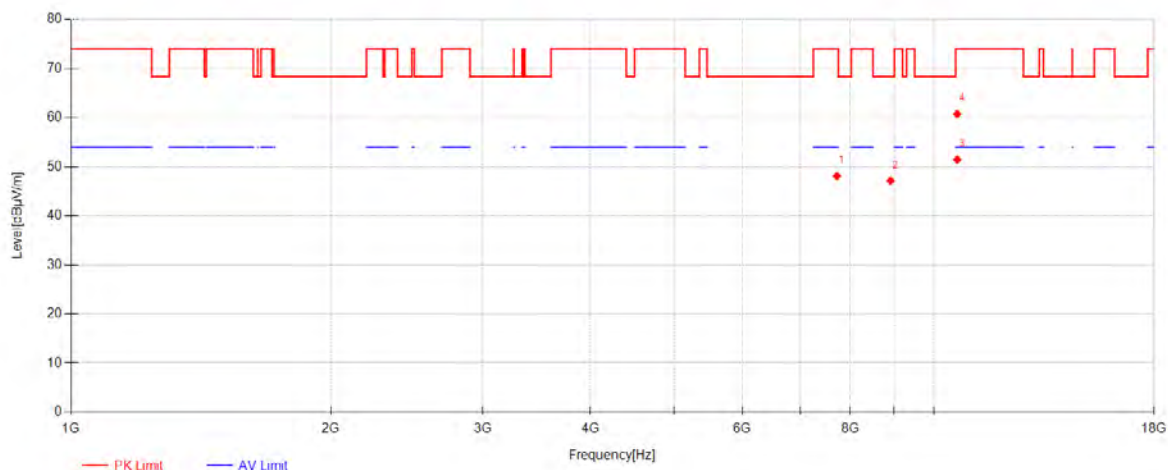
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	54.21	36.71	-42.87	48.05	74.00	25.95	Horizontal
2	8909.25	51.46	36.55	-40.91	47.11	68.30	21.19	Horizontal
3	10643.354	50.64	38.56	-37.78	51.42	54.00	2.58	Horizontal
4	10644.791	59.95	38.56	-37.78	60.74	74.00	13.26	Horizontal

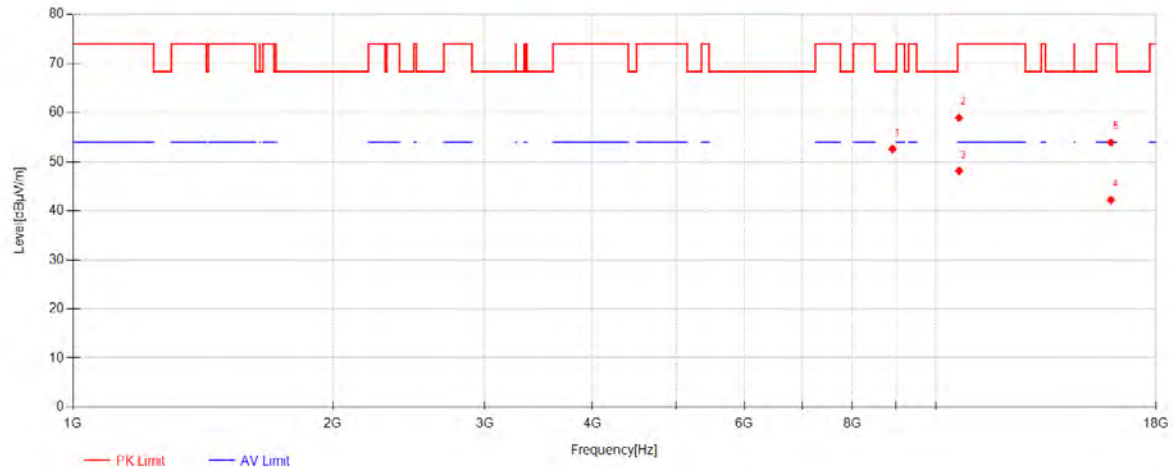
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.92	36.55	-40.91	52.57	68.30	15.73	Vertical
2	10635.687	58.18	38.56	-37.82	58.92	74.00	15.08	Vertical
3	10640.479	47.33	38.56	-37.80	48.09	54.00	5.91	Vertical
4	15956.833	37.19	39.59	-34.60	42.18	54.00	11.82	Vertical
5	15957.312	48.92	39.59	-34.61	53.90	74.00	20.10	Vertical

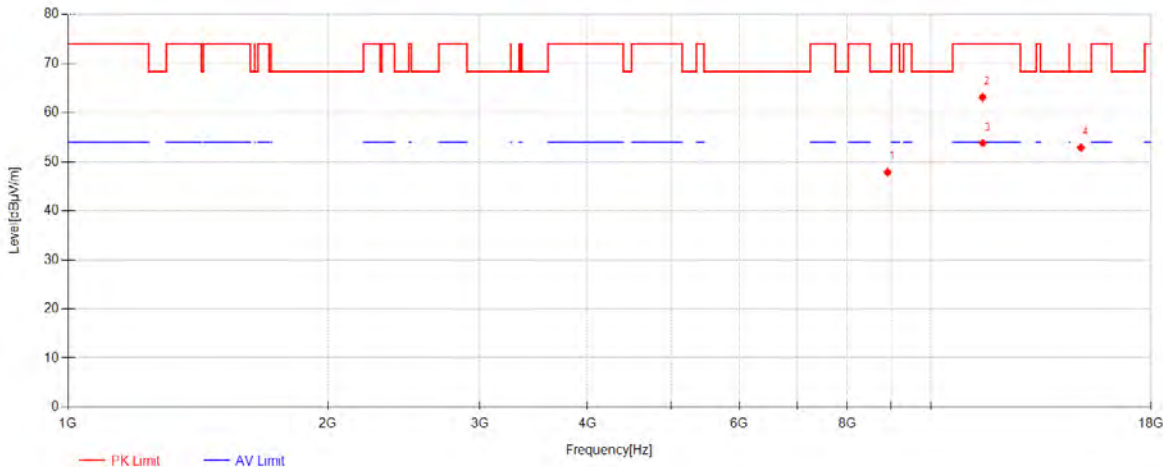
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	52.15	36.55	-40.91	47.80	68.30	20.50	Horizontal
2	11481.416	60.96	38.84	-36.70	63.10	74.00	10.90	Horizontal
3	11489.562	51.54	38.84	-36.61	53.77	54.00	0.23	Horizontal
4	14926.145	46.20	41.54	-34.94	52.80	68.30	15.50	Horizontal

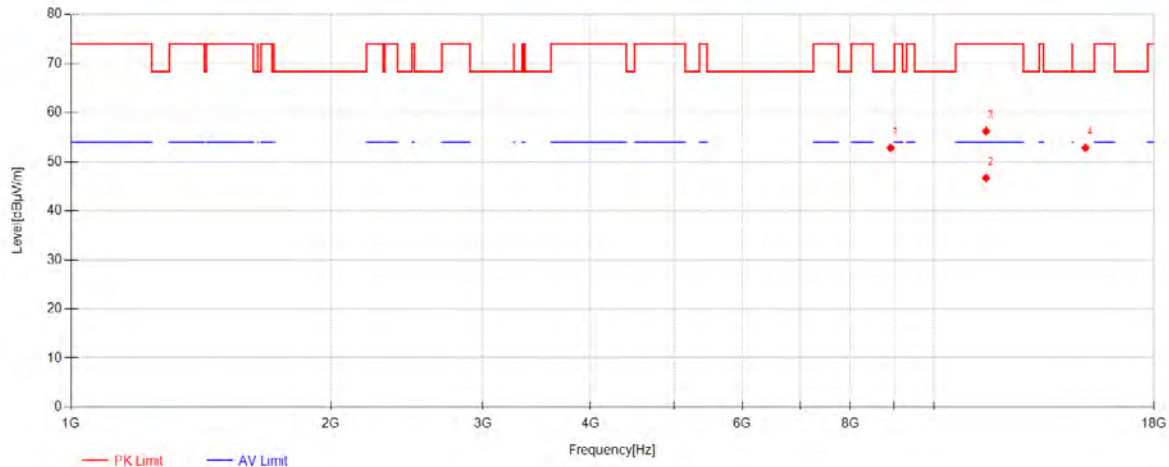
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.7292	57.12	36.55	-40.91	52.77	68.30	15.53	Vertical
2	11494.354	44.40	38.85	-36.57	46.68	54.00	7.32	Vertical
3	11495.791	53.90	38.85	-36.55	56.20	74.00	17.80	Vertical
4	14985.562	45.70	41.59	-34.52	52.77	68.30	15.53	Vertical

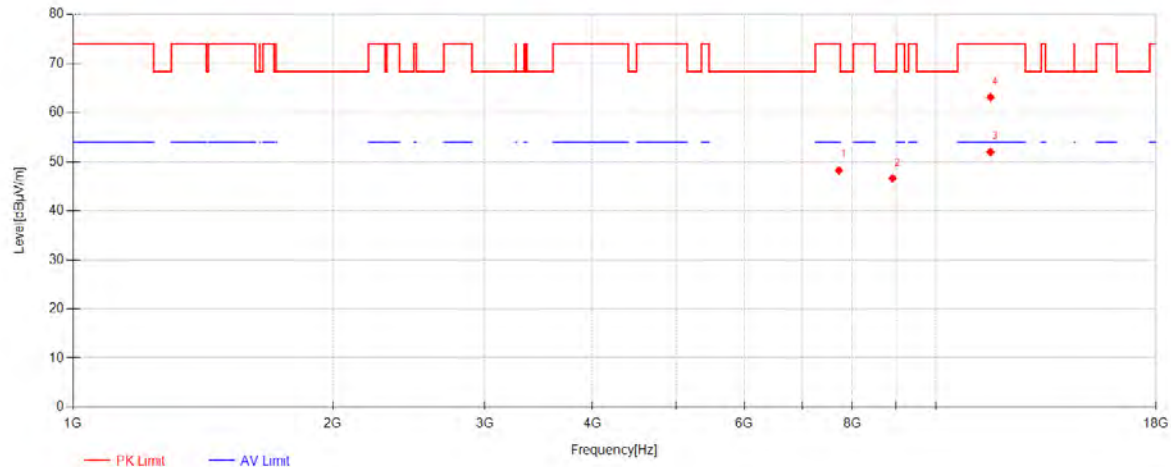
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 157



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	54.34	36.71	-42.87	48.18	74.00	25.82	Horizontal
2	8909.25	50.95	36.55	-40.91	46.60	68.30	21.70	Horizontal
3	11567.666	49.89	38.88	-36.83	51.95	54.00	2.05	Horizontal
4	11573.895	61.07	38.89	-36.86	63.10	74.00	10.90	Horizontal

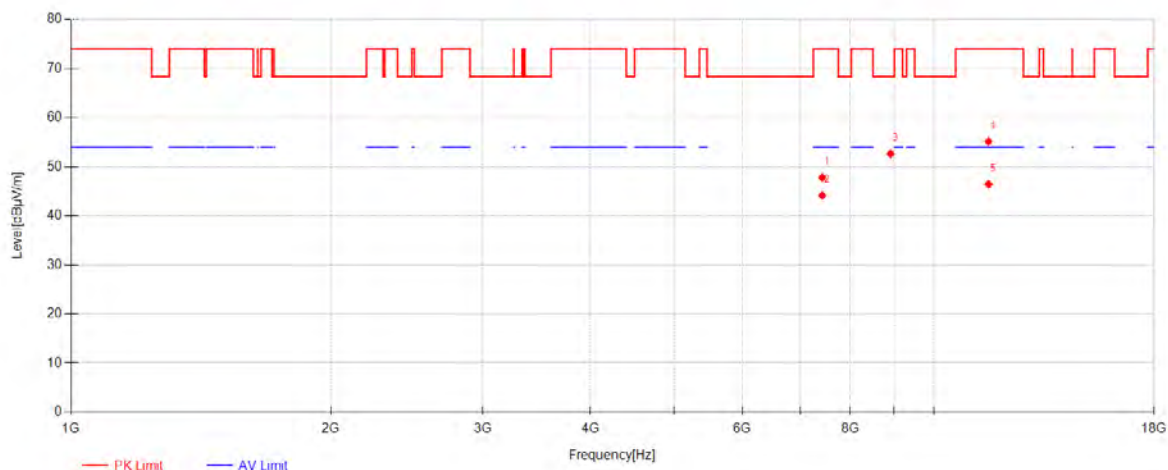
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.7917	54.43	36.19	-42.88	47.74	74.00	26.26	Vertical
2	7424.7917	50.83	36.19	-42.88	44.14	54.00	9.86	Vertical
3	8909.25	56.95	36.55	-40.91	52.60	68.30	15.70	Vertical
4	11569.583	53.08	38.88	-36.84	55.13	74.00	18.87	Vertical
5	11572.937	44.37	38.89	-36.85	46.40	54.00	7.60	Vertical

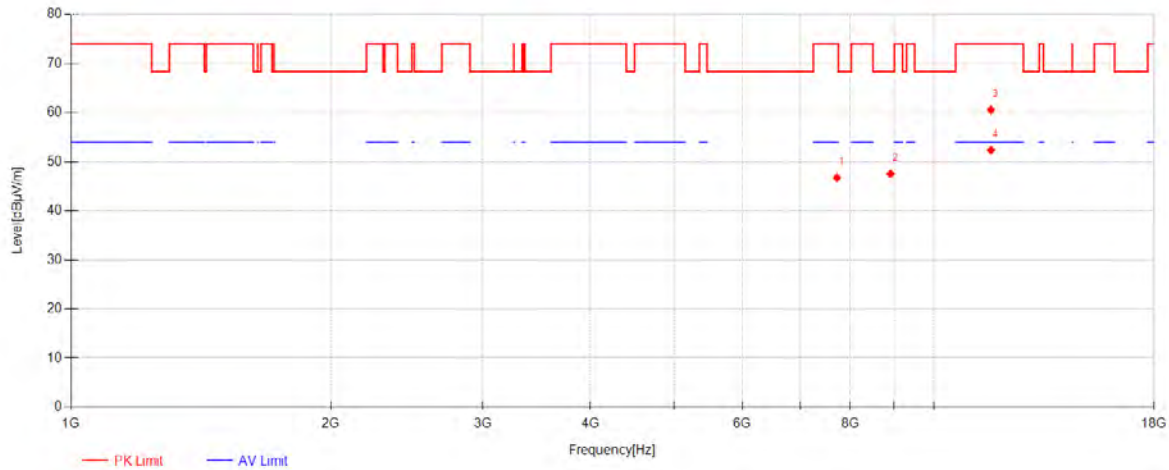
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802.11ac20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	52.88	36.71	-42.87	46.72	74.00	27.28	Horizontal
2	8909.7292	51.85	36.55	-40.91	47.50	68.30	20.80	Horizontal
3	11646.25	58.24	38.92	-36.57	60.59	74.00	13.41	Horizontal
4	11649.604	49.93	38.92	-36.54	52.32	54.00	1.68	Horizontal

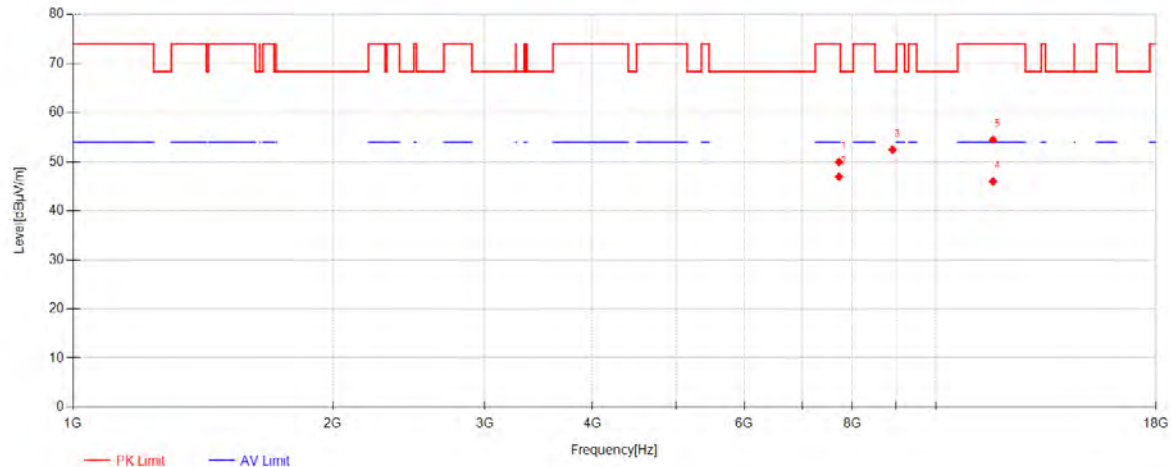
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	56.13	36.71	-42.87	49.97	74.00	24.03	Vertical
2	7721.875	53.07	36.71	-42.87	46.91	54.00	7.09	Vertical
3	8909.25	56.76	36.55	-40.91	52.41	68.30	15.89	Vertical
4	11647.687	43.61	38.92	-36.56	45.98	54.00	8.02	Vertical
5	11648.166	52.09	38.92	-36.55	54.46	74.00	19.54	Vertical

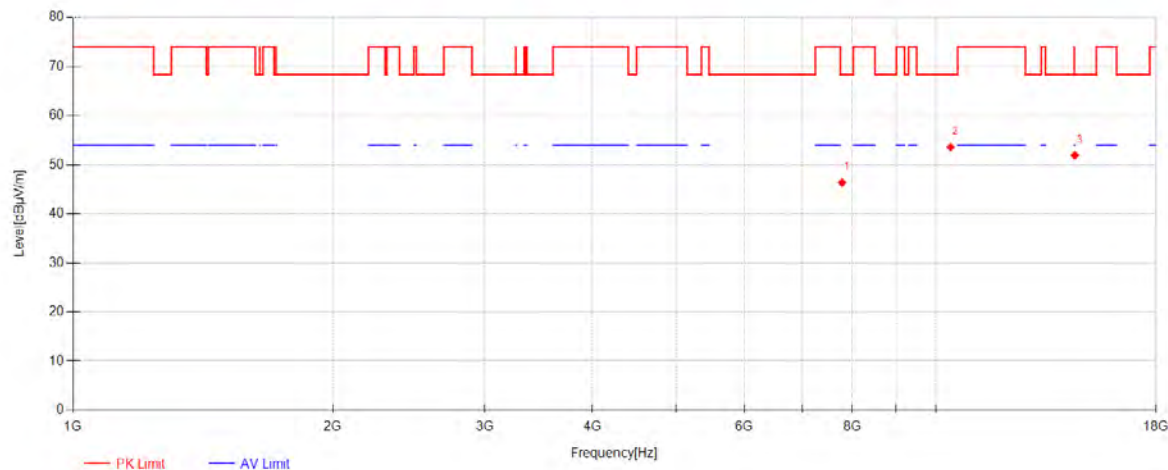
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7787.0417	52.15	36.80	-42.63	46.32	68.30	21.98	Horizontal
2	10399.937	53.75	38.54	-38.72	53.57	68.30	14.73	Horizontal
3	14492.5	44.98	41.19	-34.29	51.88	74.00	22.12	Horizontal

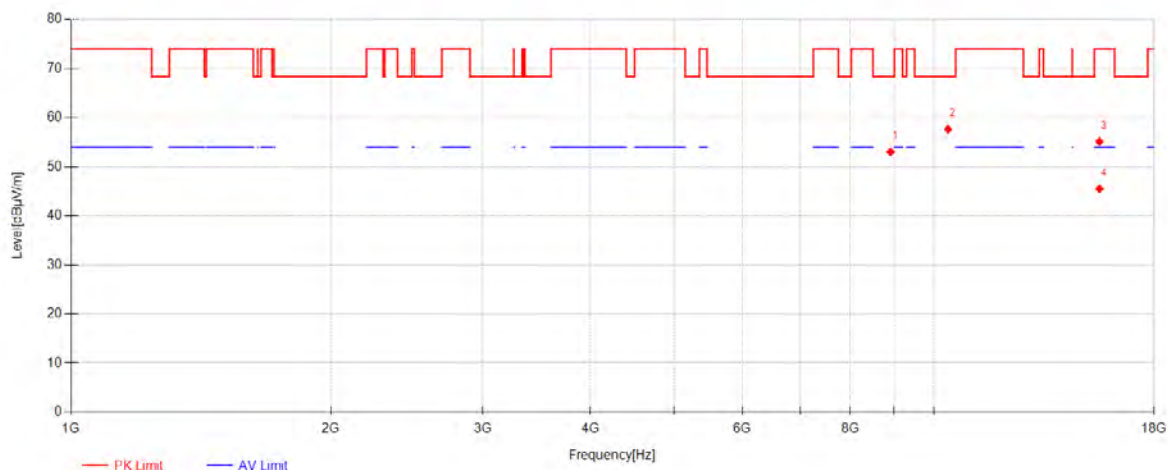
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	57.32	36.55	-40.91	52.97	68.30	15.33	Vertical
2	10384.604	57.81	38.54	-38.76	57.59	68.30	10.71	Vertical
3	15558.166	49.37	40.43	-34.68	55.12	74.00	18.88	Vertical
4	15558.645	39.74	40.43	-34.68	45.49	54.00	8.51	Vertical

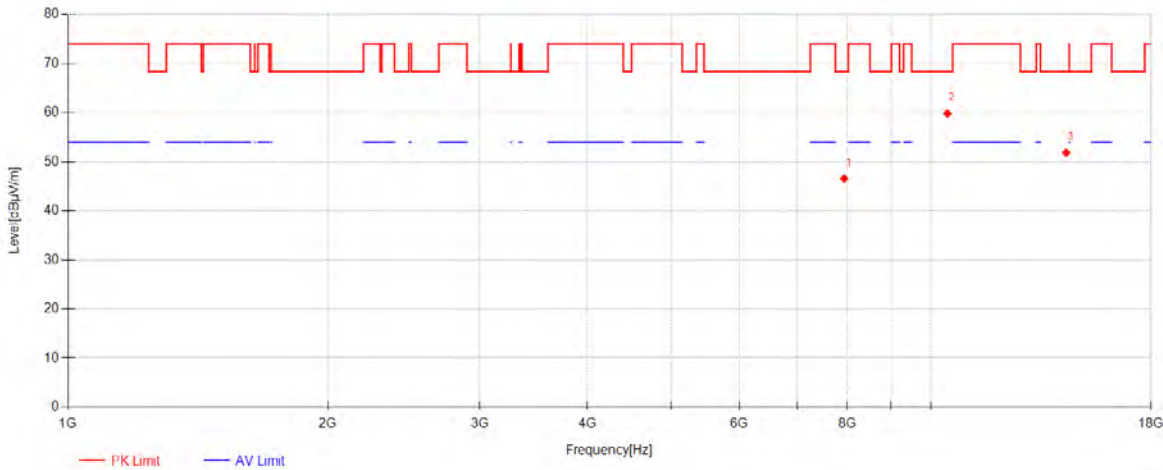
Compliance Certification Services (Kunshan) Inc.

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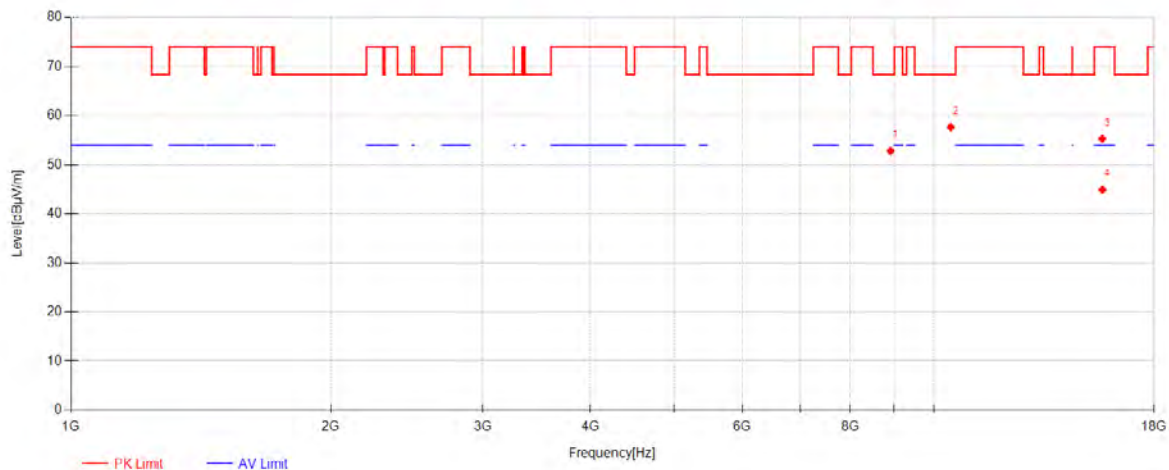
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802.11ac40_Channel 46



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7935.1042	52.07	37.01	-42.53	46.55	68.30	21.75	Horizontal
2	10450.729	60.03	38.55	-38.74	59.83	68.30	8.47	Horizontal
3	14352.583	46.16	41.08	-35.45	51.79	68.30	16.51	Horizontal

802.11ac40_Channel 46



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	57.11	36.55	-40.91	52.76	68.30	15.54	Vertical
2	10459.354	57.83	38.55	-38.74	57.63	68.30	10.67	Vertical
3	15671.729	48.66	40.19	-33.57	55.28	74.00	18.72	Vertical
4	15687.062	38.15	40.16	-33.40	44.90	54.00	9.10	Vertical

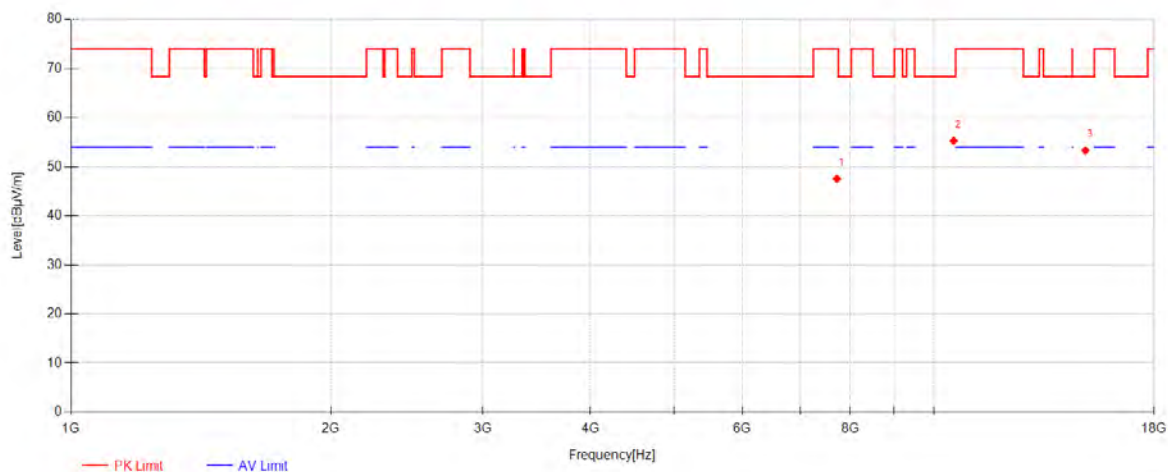
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 54



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	53.65	36.71	-42.87	47.49	74.00	26.51	Horizontal
2	10543.208	55.15	38.55	-38.44	55.27	68.30	13.03	Horizontal
3	14983.166	46.23	41.59	-34.54	53.28	68.30	15.02	Horizontal

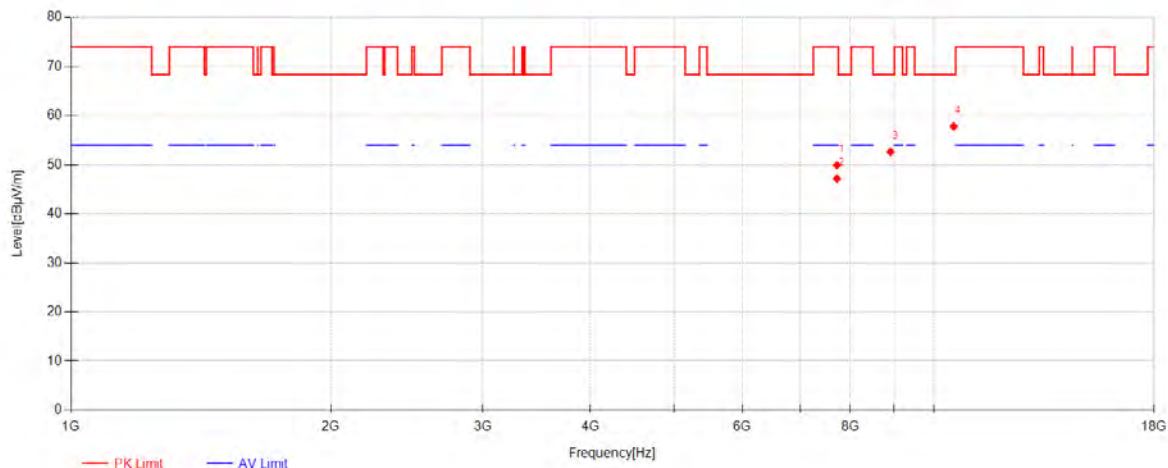
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 54



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	56.08	36.71	-42.87	49.92	74.00	24.08	Vertical
2	7721.875	53.29	36.71	-42.87	47.13	54.00	6.87	Vertical
3	8909.25	56.94	36.55	-40.91	52.59	68.30	15.71	Vertical
4	10545.604	57.61	38.55	-38.42	57.75	68.30	10.55	Vertical

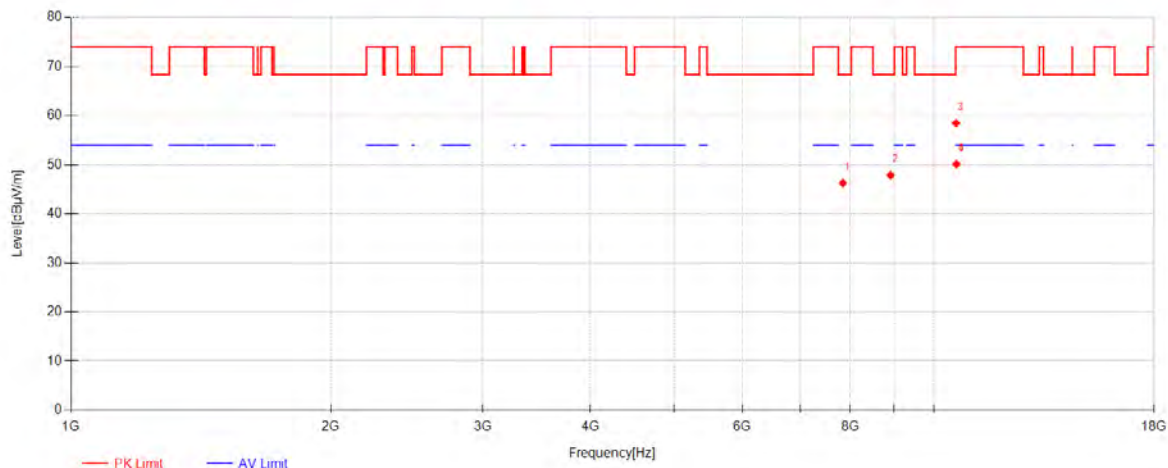
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7845.0208	52.00	36.88	-42.65	46.23	68.30	22.07	Horizontal
2	8909.25	52.16	36.55	-40.91	47.81	68.30	20.49	Horizontal
3	10609.812	57.84	38.56	-37.96	58.44	74.00	15.56	Horizontal
4	10622.270	49.46	38.56	-37.89	50.13	54.00	3.87	Horizontal

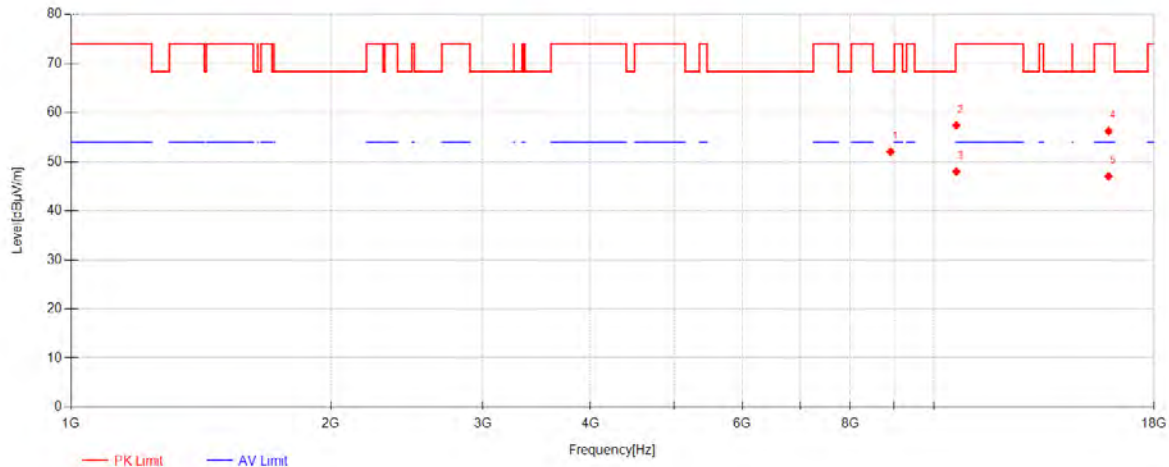
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.36	36.55	-40.91	52.01	68.30	16.29	Vertical
2	10618.437	56.70	38.56	-37.91	57.35	74.00	16.65	Vertical
3	10618.916	47.28	38.56	-37.91	47.93	54.00	6.07	Vertical
4	15942.458	51.07	39.62	-34.48	56.21	74.00	17.79	Vertical
5	15942.937	41.87	39.62	-34.49	47.00	54.00	7.00	Vertical

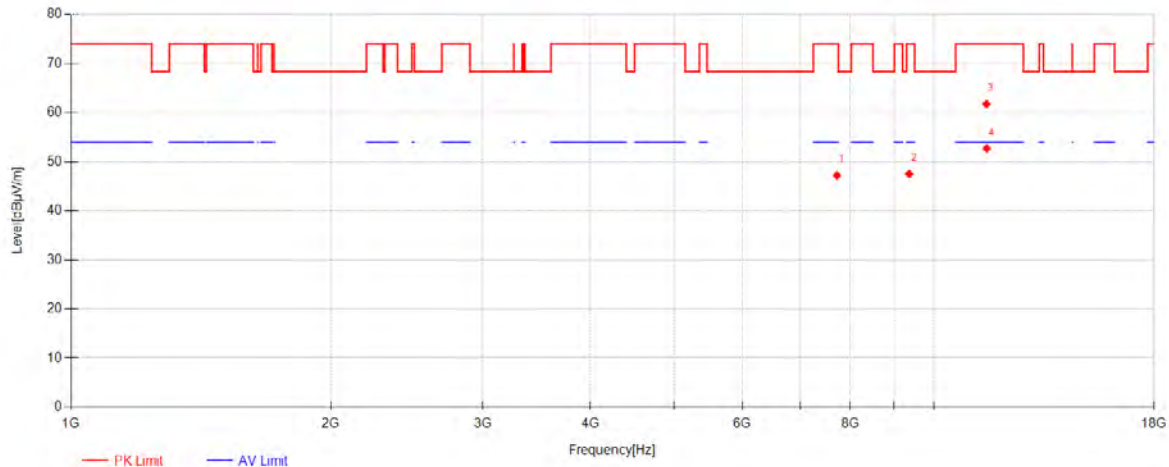
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	53.33	36.71	-42.87	47.17	74.00	26.83	Horizontal
2	9365.4167	50.21	37.23	-39.97	47.47	74.00	26.53	Horizontal
3	11508.25	59.42	38.85	-36.55	61.73	74.00	12.27	Horizontal
4	11515.437	50.37	38.86	-36.58	52.65	54.00	1.35	Horizontal

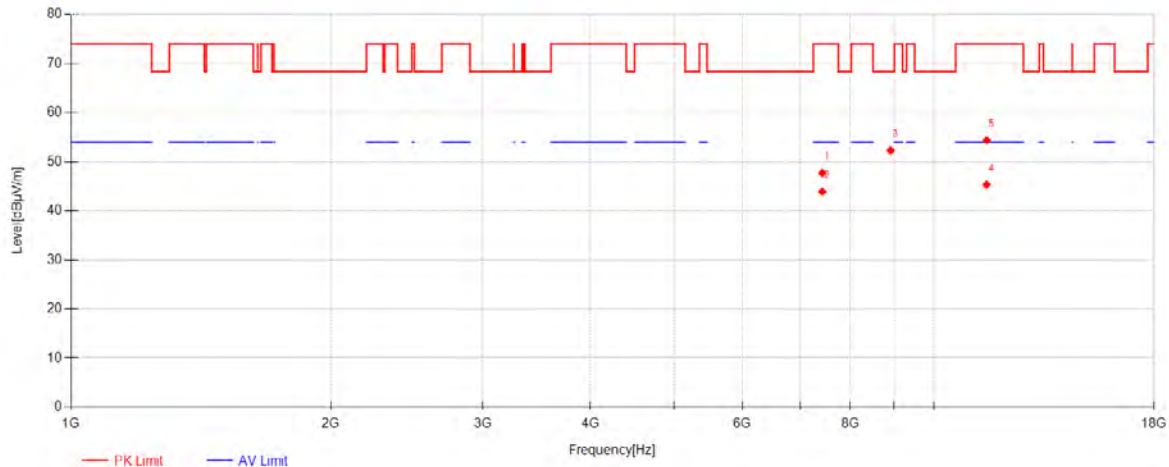
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	54.35	36.19	-42.88	47.66	74.00	26.34	Vertical
2	7424.7917	50.60	36.19	-42.88	43.91	54.00	10.09	Vertical
3	8909.7292	56.61	36.55	-40.91	52.26	68.30	16.04	Vertical
4	11512.562	43.01	38.86	-36.57	45.30	54.00	8.70	Vertical
5	11516.395	52.11	38.86	-36.59	54.38	74.00	19.62	Vertical

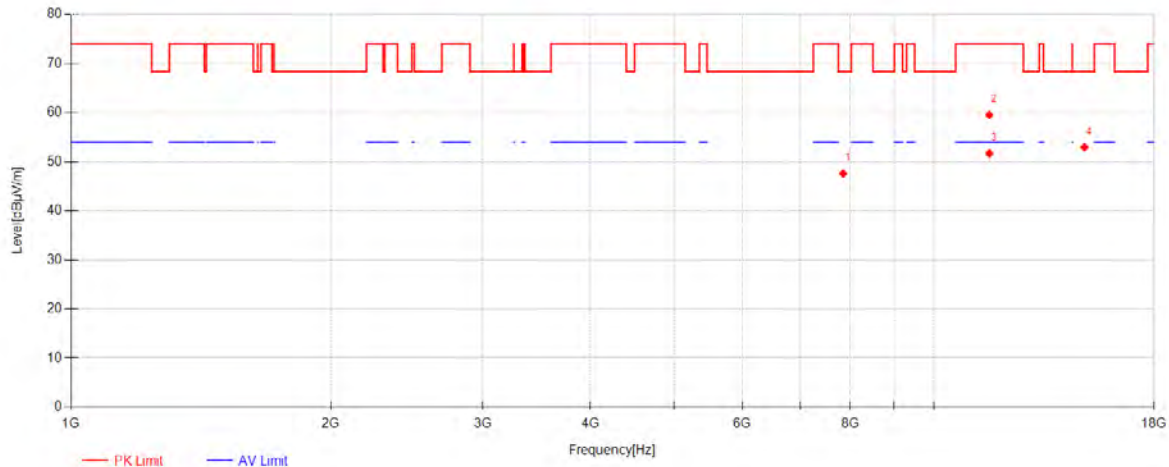
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7849.8125	53.32	36.89	-42.66	47.55	68.30	20.75	Horizontal
2	11593.541	57.57	38.90	-36.95	59.52	74.00	14.48	Horizontal
3	11596.895	49.74	38.90	-36.97	51.67	54.00	2.33	Horizontal
4	14949.145	46.12	41.56	-34.78	52.90	68.30	15.40	Horizontal

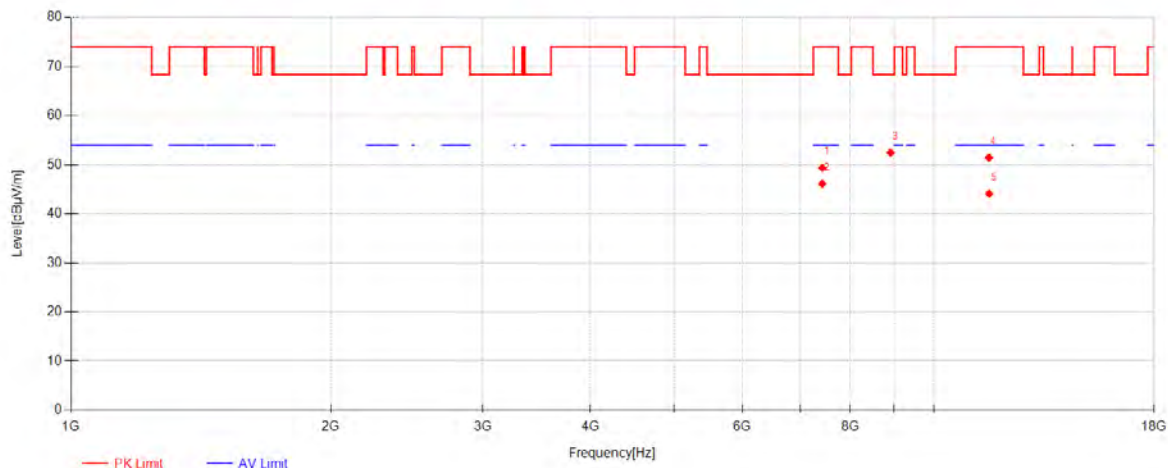
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.7917	56.03	36.19	-42.88	49.34	74.00	24.66	Vertical
2	7424.7917	52.80	36.19	-42.88	46.11	54.00	7.89	Vertical
3	8909.25	56.78	36.55	-40.91	52.43	68.30	15.87	Vertical
4	11582.041	49.43	38.89	-36.90	51.43	74.00	22.57	Vertical
5	11588.270	42.14	38.89	-36.92	44.11	54.00	9.89	Vertical

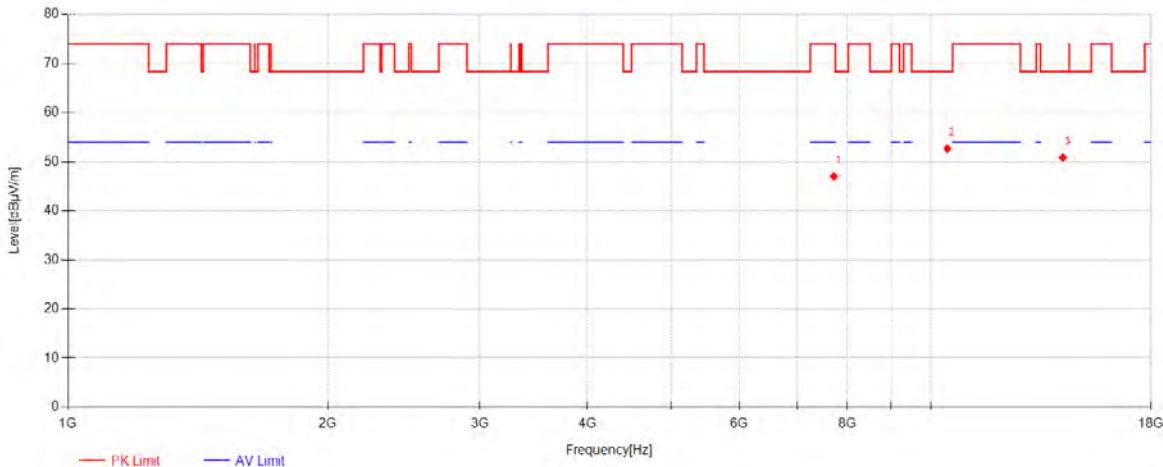
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 42



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.14	36.71	-42.87	46.98	74.00	27.02	Horizontal
2	10448.812	52.82	38.54	-38.74	52.63	68.30	15.67	Horizontal
3	14224.166	45.29	40.98	-35.44	50.83	68.30	17.47	Horizontal

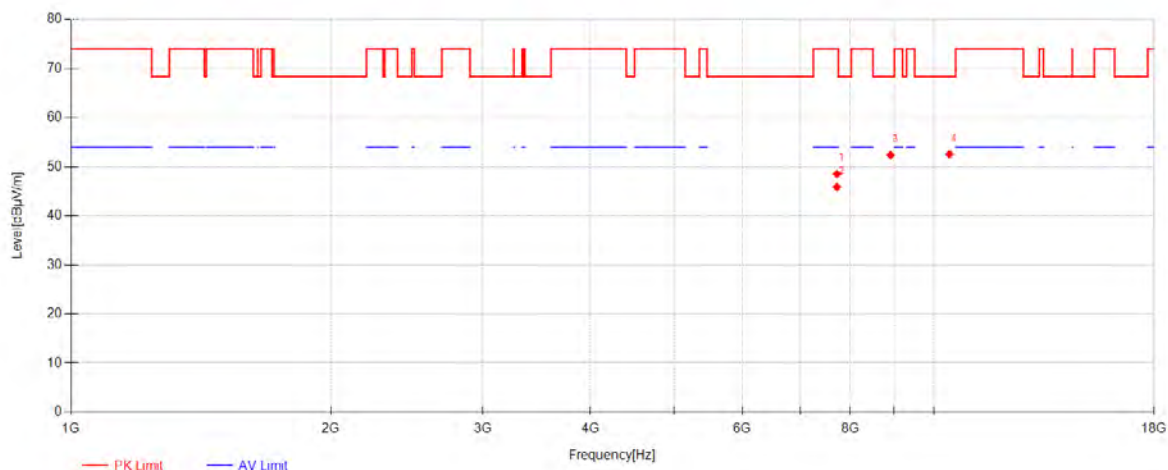
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 42



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.875	54.65	36.71	-42.87	48.49	74.00	25.51	Vertical
2	7721.875	52.00	36.71	-42.87	45.84	54.00	8.16	Vertical
3	8909.25	56.69	36.55	-40.91	52.34	68.30	15.96	Vertical
4	10424.854	52.71	38.54	-38.73	52.52	68.30	15.78	Vertical

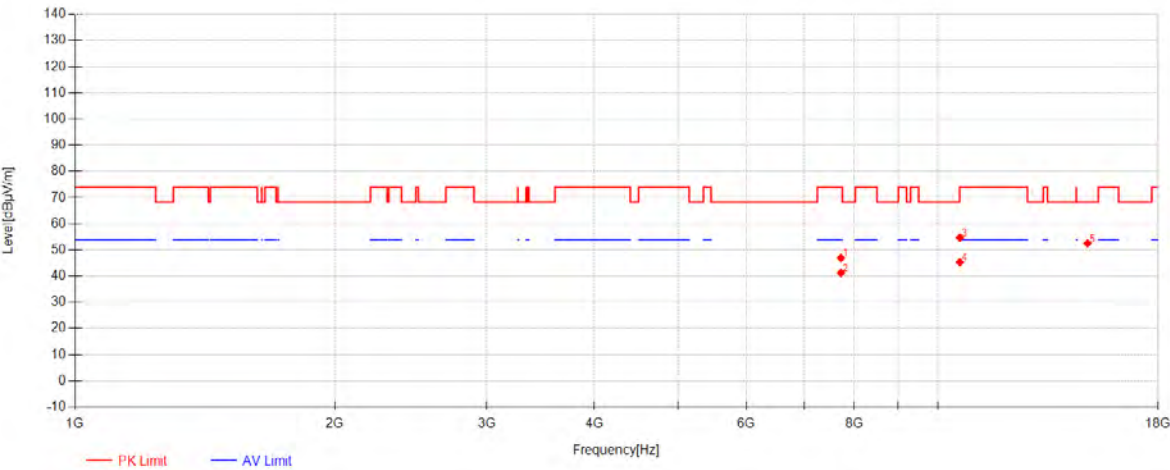
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 58



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.10	36.71	-42.87	46.94	74.00	27.06	Horizontal
2	7721.875	47.38	36.71	-42.87	41.22	54.00	12.78	Horizontal
3	10605.5	54.18	38.56	-37.98	54.76	74.00	19.24	Horizontal
4	10605.979	44.82	38.56	-37.98	45.40	54.00	8.60	Horizontal
5	14909.854	46.05	41.53	-35.06	52.52	68.30	15.78	Horizontal

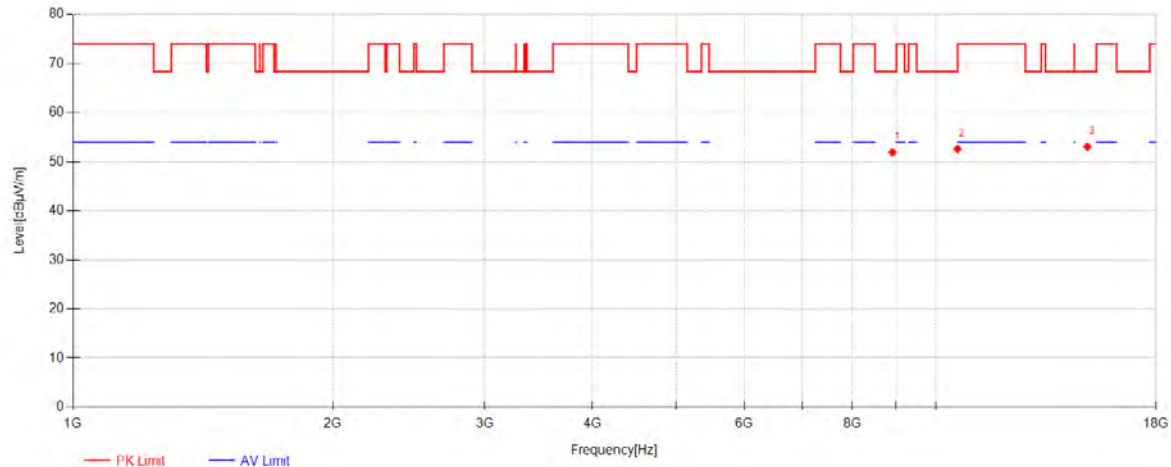
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 58



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.24	36.55	-40.91	51.89	68.30	16.41	Vertical
2	10593.520	52.06	38.56	-38.06	52.56	68.30	15.74	Vertical
3	14984.604	45.97	41.59	-34.53	53.03	68.30	15.27	Vertical

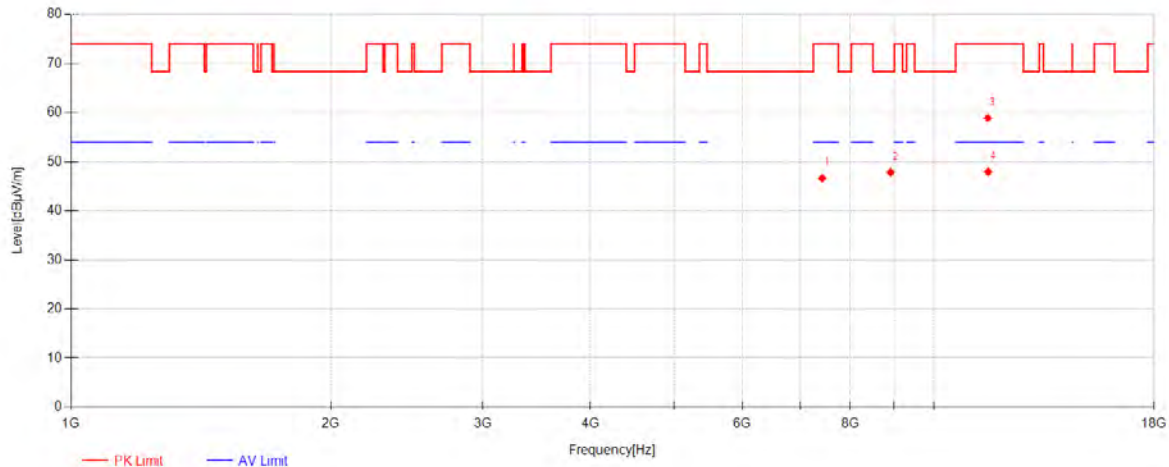
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802.11ac80_Channel 155



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	53.31	36.19	-42.88	46.62	74.00	27.38	Horizontal
2	8909.25	52.14	36.55	-40.91	47.79	68.30	20.51	Horizontal
3	11546.104	56.74	38.87	-36.73	58.89	74.00	15.11	Horizontal
4	11559.041	45.80	38.88	-36.79	47.89	54.00	6.11	Horizontal

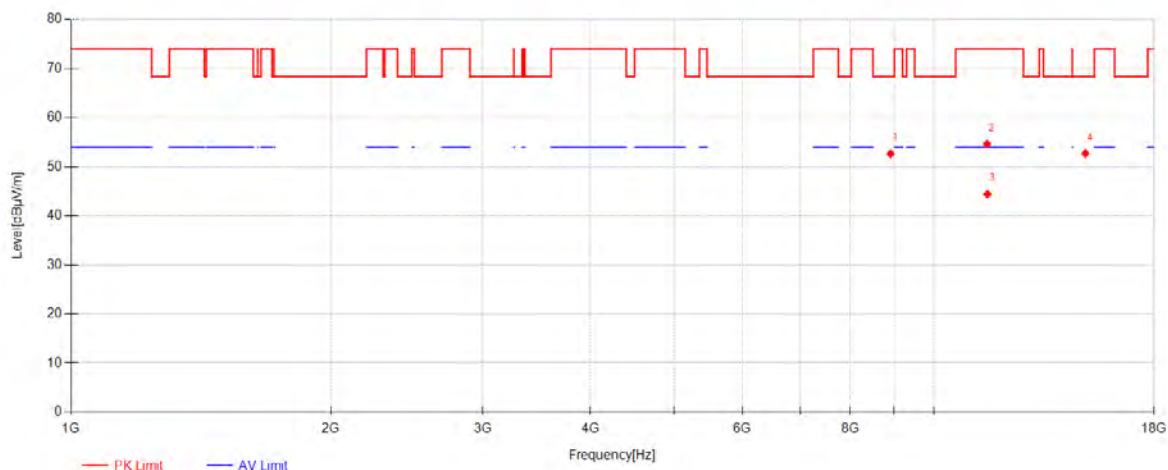
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 155



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.7292	56.96	36.55	-40.91	52.61	68.30	15.69	Vertical
2	11525.5	52.40	38.86	-36.63	54.63	74.00	19.37	Vertical
3	11537.958	42.23	38.87	-36.69	44.41	54.00	9.59	Vertical
4	14986.041	45.60	41.59	-34.52	52.67	68.30	15.63	Vertical

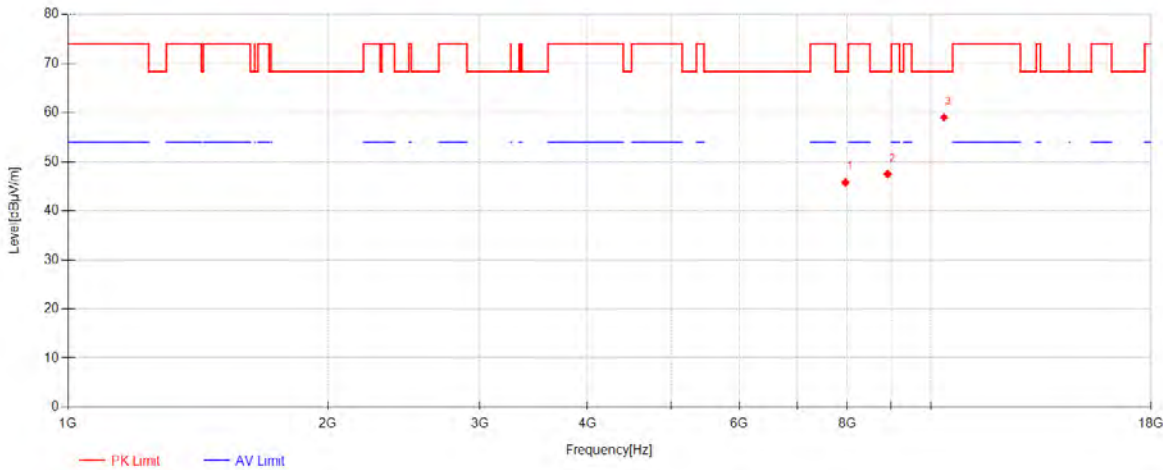
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7962.4167	51.07	37.05	-42.36	45.76	68.30	22.54	Horizontal
2	8909.7292	51.80	36.55	-40.91	47.45	68.30	20.85	Horizontal
3	10357.770	59.30	38.54	-38.83	59.01	68.30	9.29	Horizontal

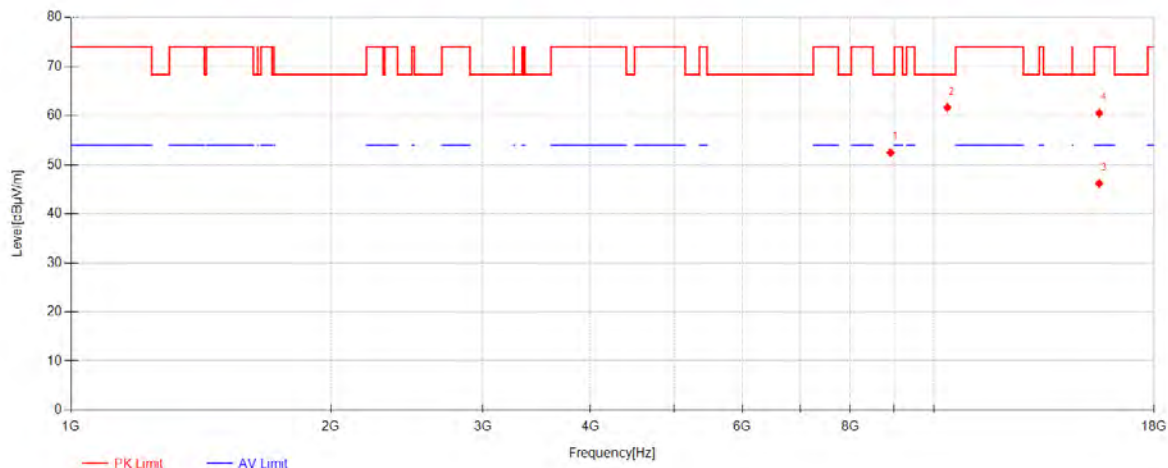
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 36



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.77	36.55	-40.91	52.42	68.30	15.88	Vertical
2	10367.354	61.90	38.54	-38.80	61.64	68.30	6.66	Vertical
3	15544.75	40.49	40.46	-34.78	46.17	54.00	7.83	Vertical
4	15549.541	54.82	40.45	-34.74	60.52	74.00	13.48	Vertical

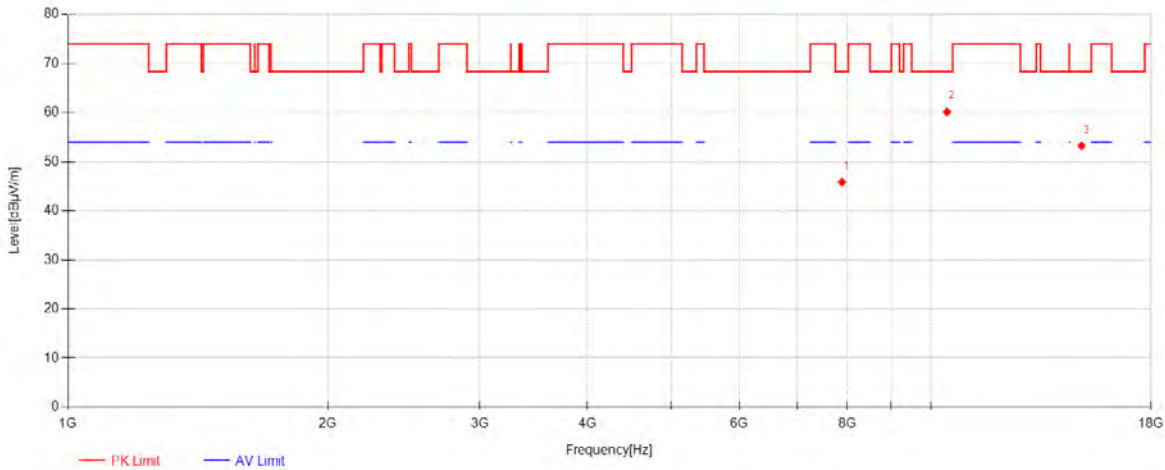
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7888.625	51.60	36.94	-42.72	45.82	68.30	22.48	Horizontal
2	10440.666	60.35	38.54	-38.74	60.16	68.30	8.14	Horizontal
3	14947.708	46.45	41.56	-34.79	53.22	68.30	15.08	Horizontal

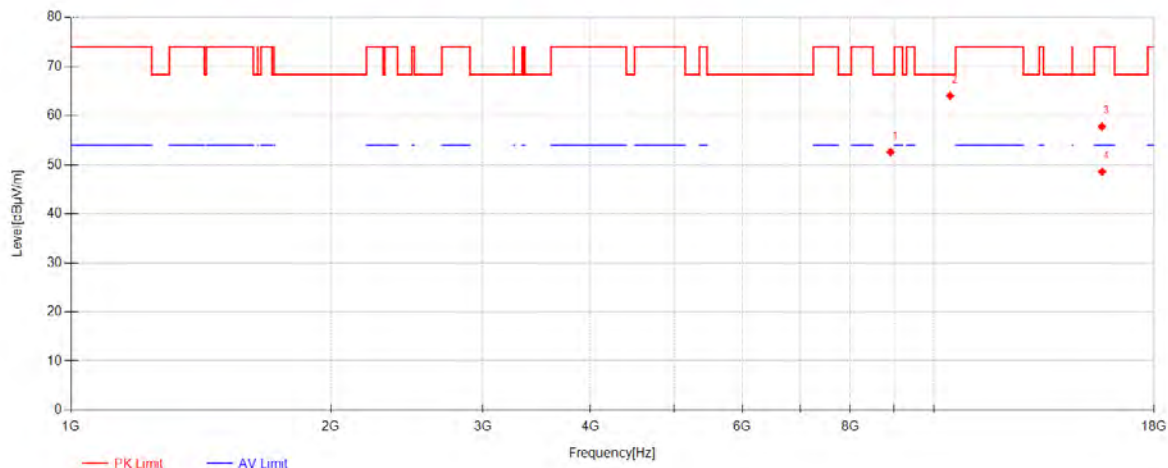
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.90	36.55	-40.91	52.55	68.30	15.75	Vertical
2	10442.104	64.21	38.54	-38.74	64.02	68.30	4.28	Vertical
3	15660.229	51.21	40.21	-33.70	57.72	74.00	16.28	Vertical
4	15663.104	42.02	40.21	-33.67	48.56	54.00	5.44	Vertical

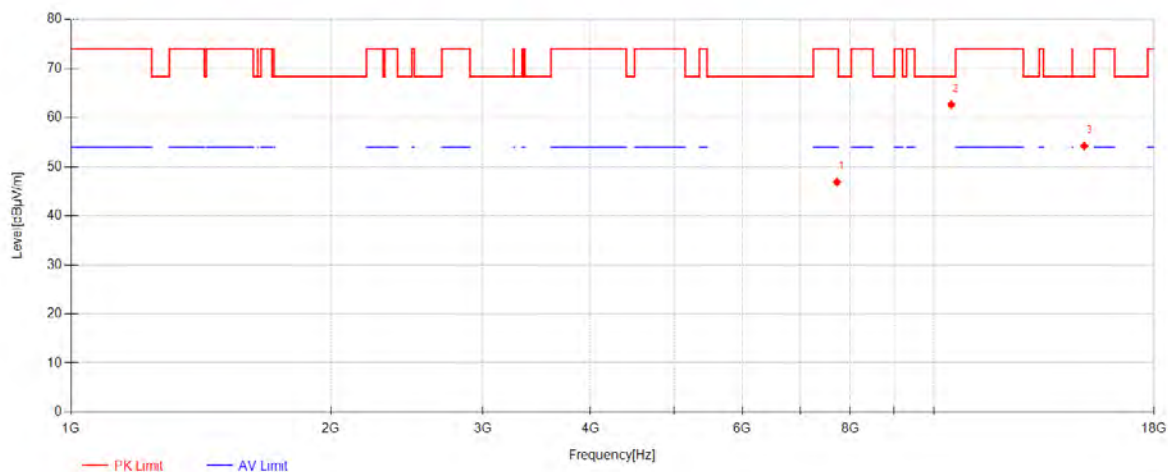
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.00	36.71	-42.87	46.84	74.00	27.16	Horizontal
2	10477.562	62.82	38.55	-38.75	62.62	68.30	5.68	Horizontal
3	14940.041	47.50	41.55	-34.85	54.21	68.30	14.09	Horizontal

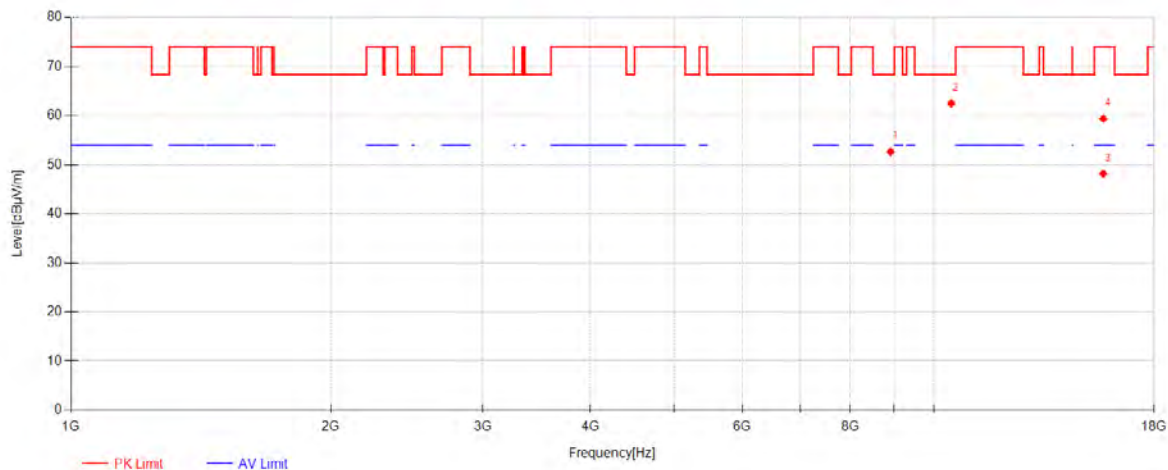
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 48



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.96	36.55	-40.91	52.61	68.30	15.69	Vertical
2	10474.687	62.69	38.55	-38.75	62.49	68.30	5.81	Vertical
3	15718.687	41.26	40.09	-33.22	48.13	54.00	5.87	Vertical
4	15722.520	52.51	40.08	-33.21	59.38	74.00	14.62	Vertical

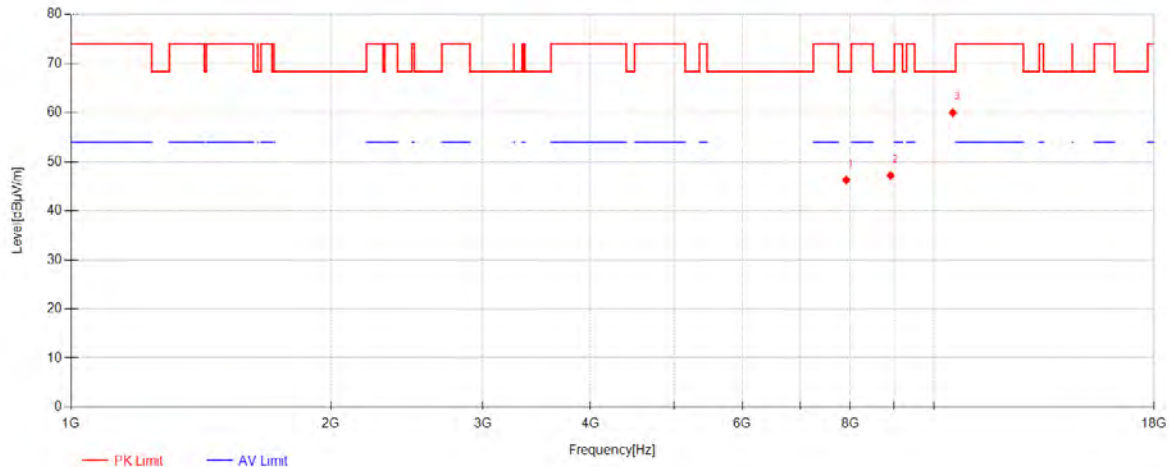
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 52



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7914.9792	51.92	36.98	-42.65	46.25	68.30	22.05	Horizontal
2	8909.25	51.50	36.55	-40.91	47.15	68.30	21.15	Horizontal
3	10519.25	60.05	38.55	-38.62	59.99	68.30	8.31	Horizontal

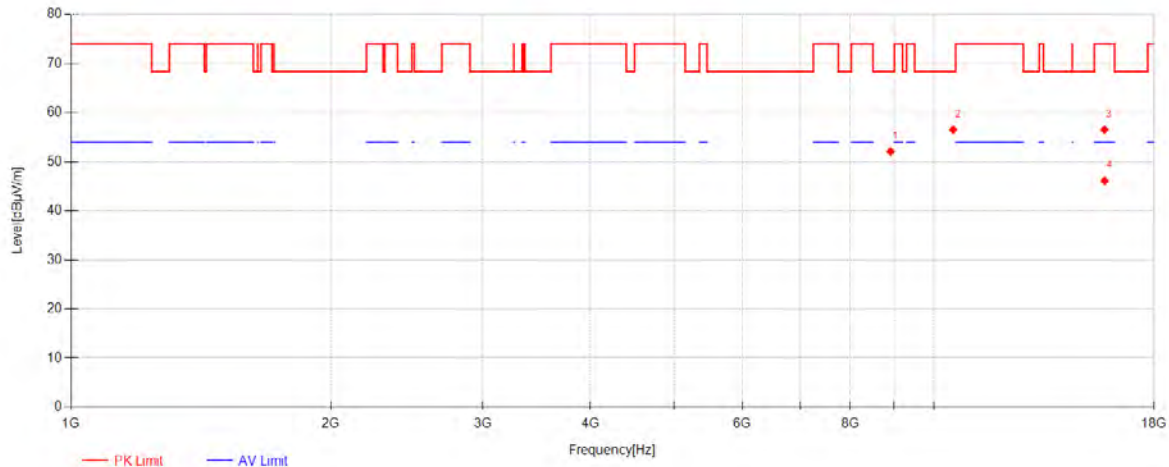
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 52



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.7292	56.41	36.55	-40.91	52.06	68.30	16.24	Vertical
2	10528.833	56.50	38.55	-38.54	56.51	68.30	11.79	Vertical
3	15769.958	49.66	39.98	-33.12	56.52	74.00	17.48	Vertical
4	15774.270	39.24	39.97	-33.11	46.10	54.00	7.90	Vertical

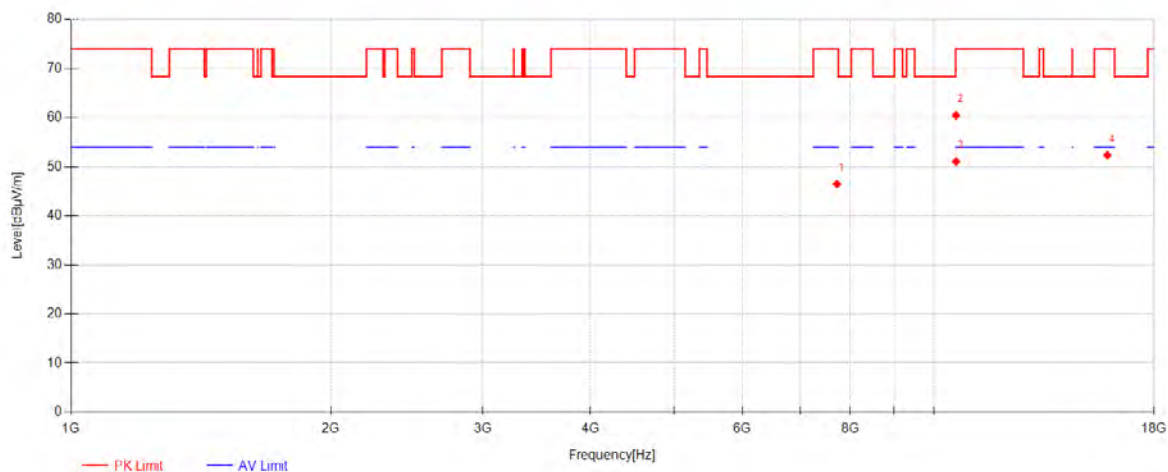
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 60



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	52.61	36.71	-42.87	46.45	74.00	27.55	Horizontal
2	10609.333	59.87	38.56	-37.96	60.47	74.00	13.53	Horizontal
3	10609.812	50.46	38.56	-37.96	51.06	54.00	2.94	Horizontal
4	15891.187	46.62	39.73	-34.04	52.31	74.00	21.69	Horizontal

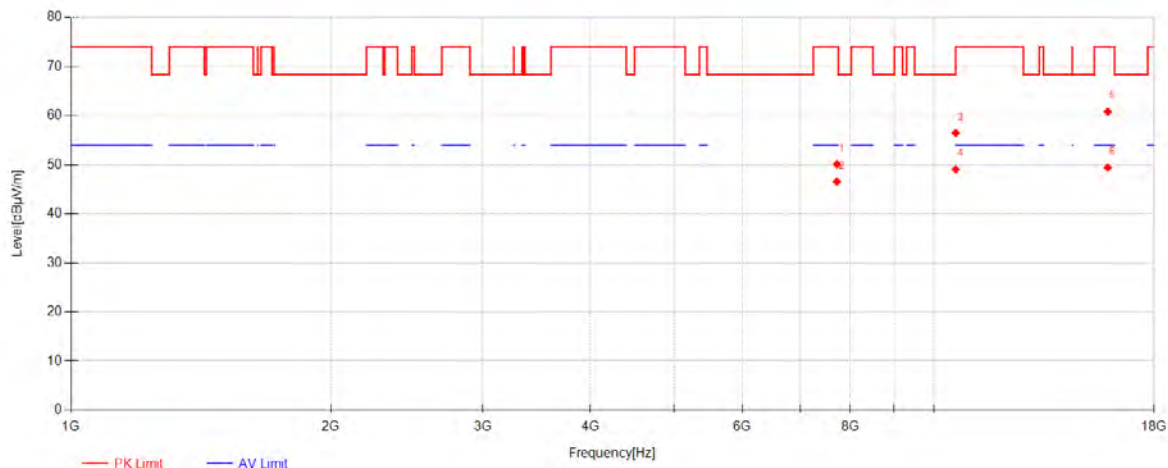
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 60



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	56.27	36.71	-42.87	50.11	74.00	23.89	Vertical
2	7721.875	52.69	36.71	-42.87	46.53	54.00	7.47	Vertical
3	10600.229	55.91	38.56	-38.01	56.46	74.00	17.54	Vertical
4	10600.708	48.49	38.56	-38.01	49.04	54.00	4.96	Vertical
5	15907.479	55.32	39.69	-34.19	60.82	74.00	13.18	Vertical
6	15907.958	43.93	39.69	-34.20	49.43	54.00	4.57	Vertical

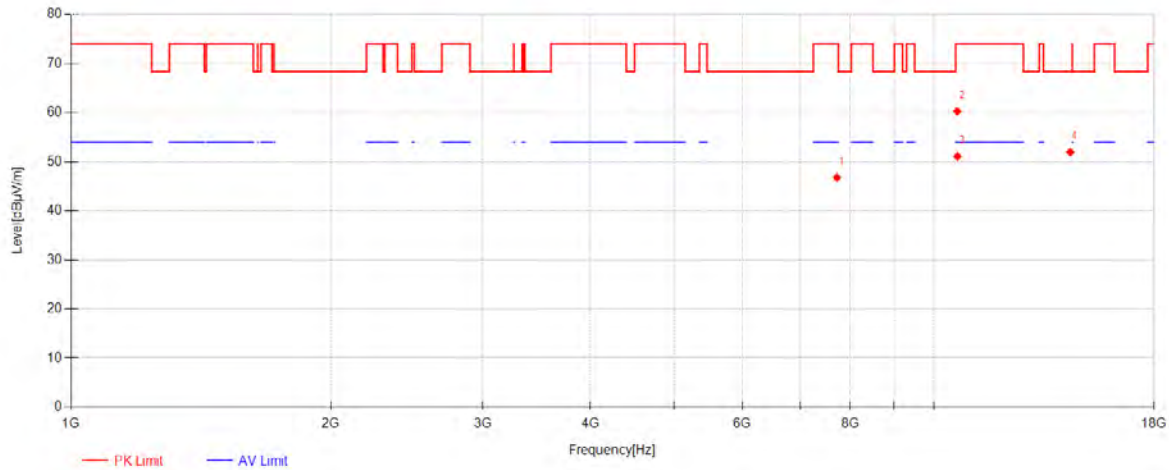
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802.11ax20_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	52.91	36.71	-42.87	46.75	74.00	27.25	Horizontal
2	10644.312	59.50	38.56	-37.78	60.28	74.00	13.72	Horizontal
3	10651.5	50.26	38.57	-37.74	51.08	54.00	2.92	Horizontal
4	14392.354	45.95	41.11	-35.14	51.92	68.30	16.38	Horizontal

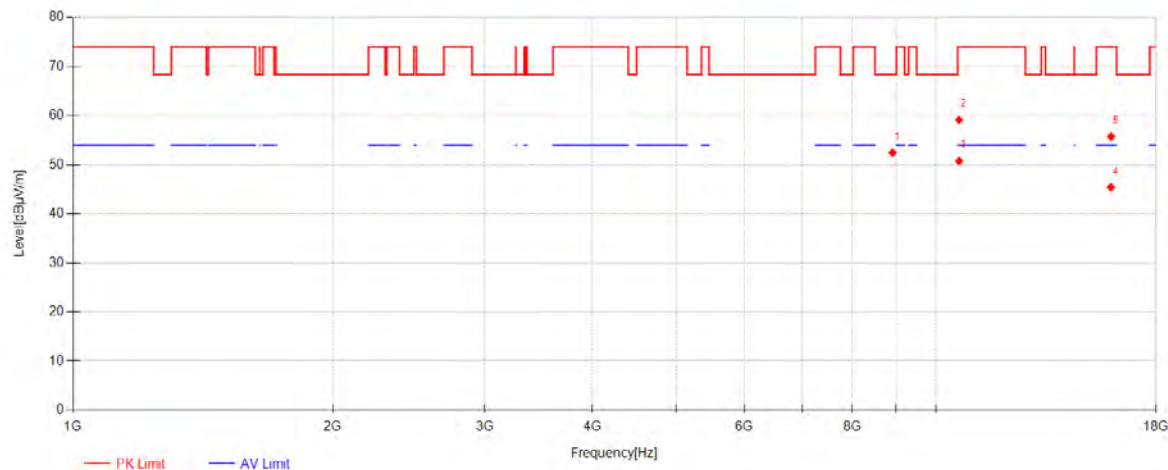
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802.11ax20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.76	36.55	-40.91	52.41	68.30	15.89	Vertical
2	10639.520	58.35	38.56	-37.80	59.11	74.00	14.89	Vertical
3	10640	49.96	38.56	-37.80	50.72	54.00	3.28	Vertical
4	15956.833	40.39	39.59	-34.60	45.38	54.00	8.62	Vertical
5	15964.5	50.81	39.57	-34.67	55.72	74.00	18.28	Vertical

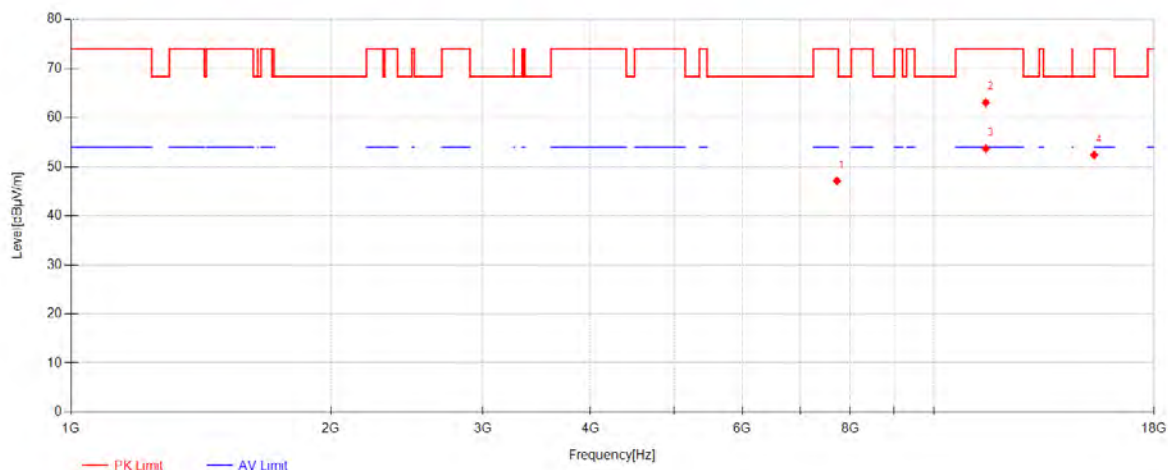
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.25	36.71	-42.87	47.09	74.00	26.91	Horizontal
2	11489.083	60.80	38.84	-36.62	63.03	74.00	10.97	Horizontal
3	11490.041	51.44	38.85	-36.61	53.68	54.00	0.32	Horizontal
4	15341.104	45.44	40.88	-33.98	52.35	68.30	15.95	Horizontal

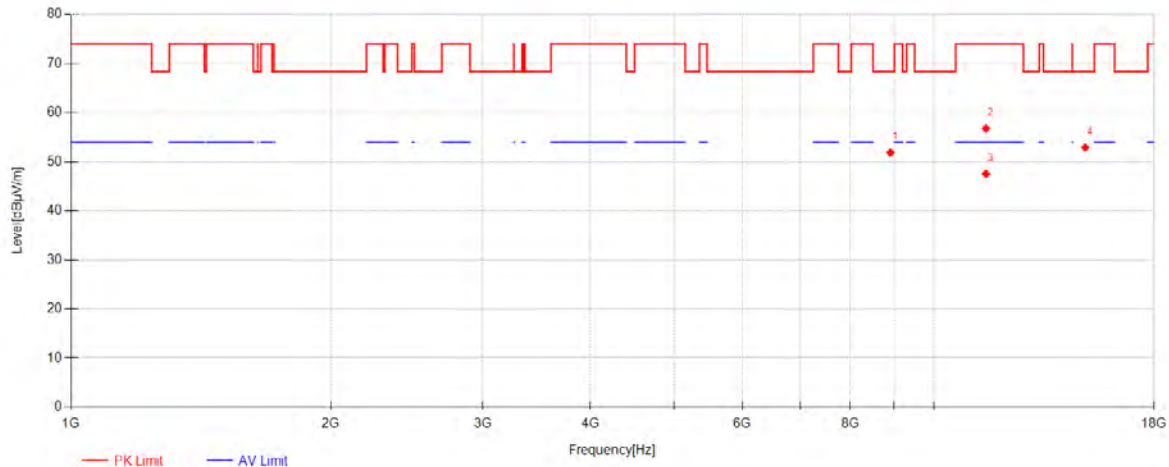
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802.11ax20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.7292	56.17	36.55	-40.91	51.82	68.30	16.48	Vertical
2	11494.354	54.45	38.85	-36.57	56.73	74.00	17.27	Vertical
3	11494.833	45.20	38.85	-36.56	47.49	54.00	6.51	Vertical
4	14979.812	45.82	41.58	-34.56	52.84	68.30	15.46	Vertical

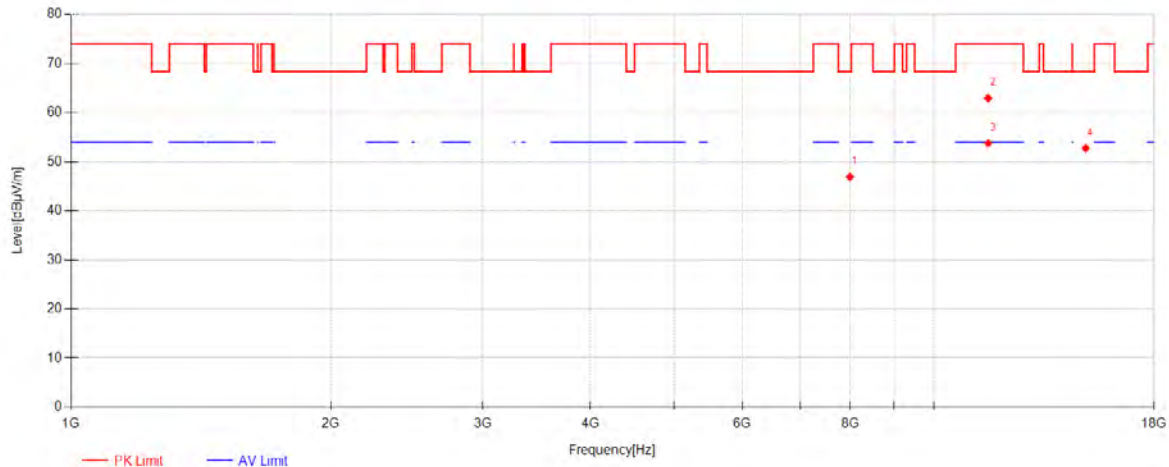
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 157



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7993.0833	51.94	37.09	-42.17	46.86	68.30	21.44	Horizontal
2	11559.041	60.82	38.88	-36.79	62.91	74.00	11.09	Horizontal
3	11559.520	51.64	38.88	-36.79	53.73	54.00	0.27	Horizontal
4	14997.541	45.54	41.60	-34.44	52.70	68.30	15.60	Horizontal

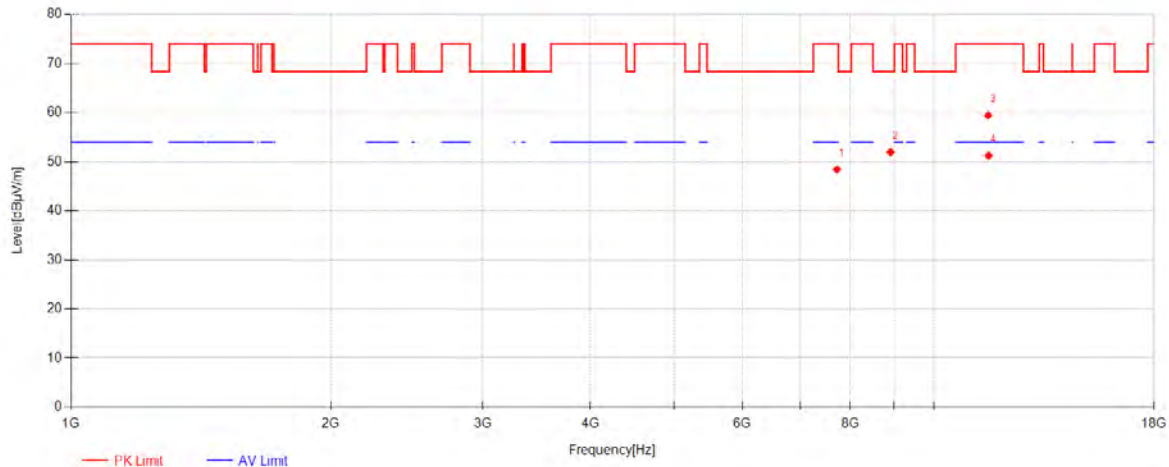
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 157



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	54.54	36.71	-42.87	48.38	74.00	25.62	Vertical
2	8909.25	56.28	36.55	-40.91	51.93	68.30	16.37	Vertical
3	11561.916	57.36	38.88	-36.80	59.44	74.00	14.56	Vertical
4	11573.895	49.19	38.89	-36.86	51.22	54.00	2.78	Vertical

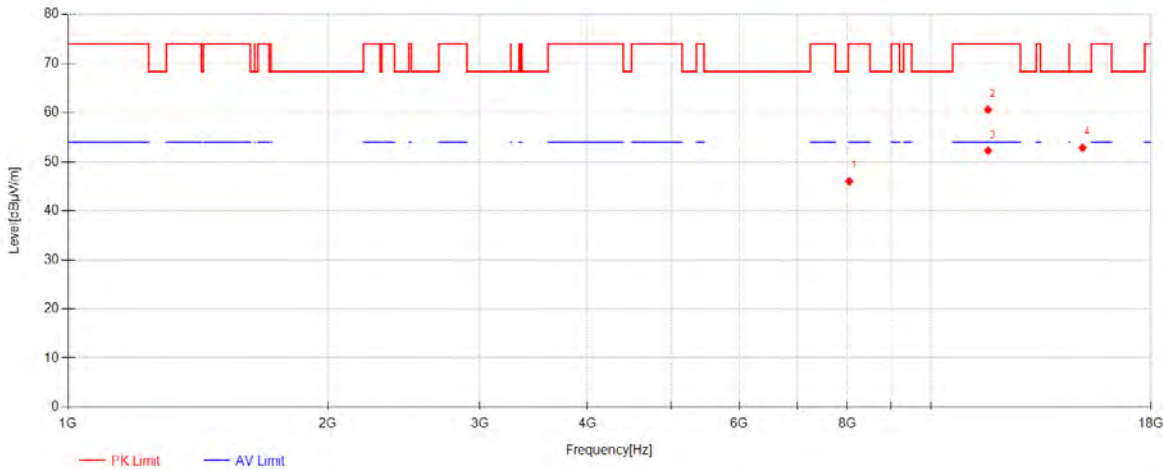
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802.11ax20_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8043.3958	50.71	37.07	-41.79	46.00	74.00	28.00	Horizontal
2	11647.208	58.25	38.92	-36.56	60.61	74.00	13.39	Horizontal
3	11650.562	49.83	38.93	-36.53	52.23	54.00	1.77	Horizontal
4	14992.75	45.66	41.59	-34.47	52.78	68.30	15.52	Horizontal

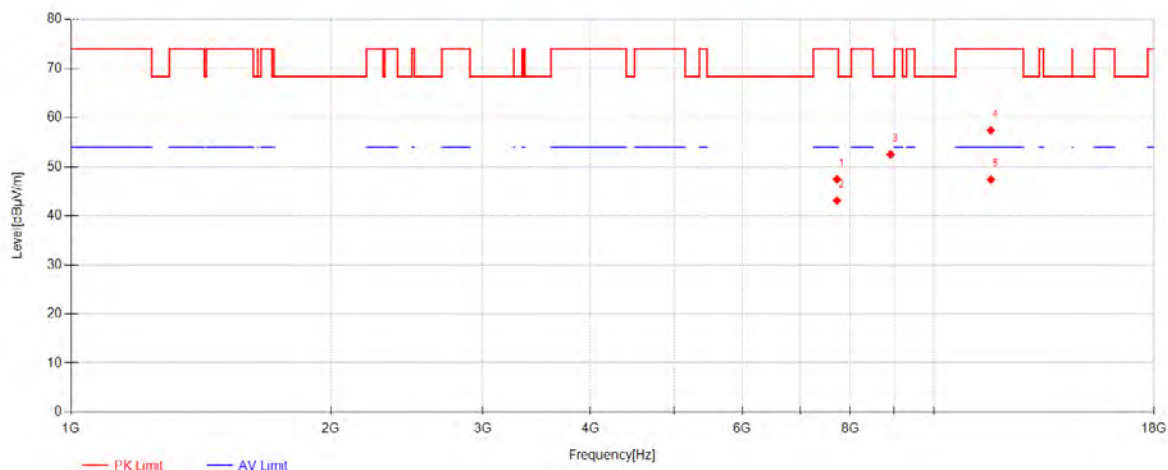
Compliance Certification Services (Kunshan) Inc.

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802.11ax20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.56	36.71	-42.87	47.40	74.00	26.60	Vertical
2	7721.875	49.24	36.71	-42.87	43.08	54.00	10.92	Vertical
3	8909.25	56.83	36.55	-40.91	52.48	68.30	15.82	Vertical
4	11641.937	55.07	38.92	-36.61	57.38	74.00	16.62	Vertical
5	11646.729	44.96	38.92	-36.56	47.32	54.00	6.68	Vertical

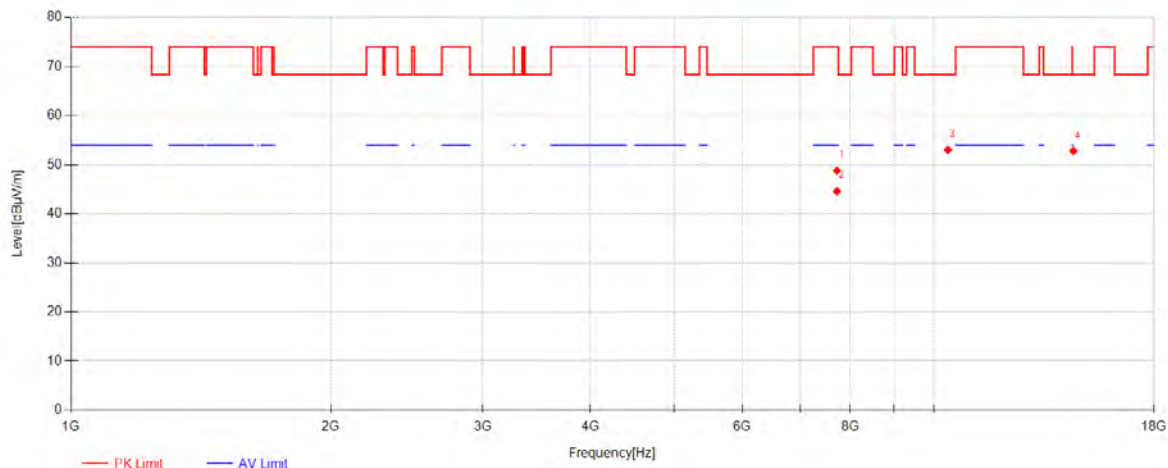
Compliance Certification Services (Kunshan) Inc.

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802.11ax40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	54.93	36.71	-42.87	48.77	74.00	25.23	Horizontal
2	7721.875	50.75	36.71	-42.87	44.59	54.00	9.41	Horizontal
3	10380.291	53.23	38.54	-38.77	53.00	68.30	15.30	Horizontal
4	14513.583	45.92	41.21	-34.38	52.75	68.30	15.55	Horizontal

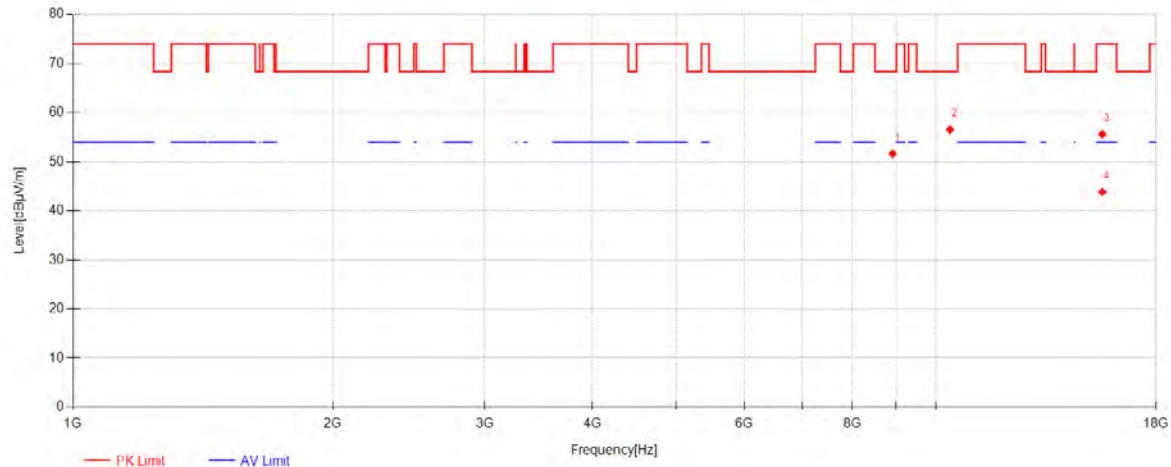
Compliance Certification Services (Kunshan) Inc.

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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	55.96	36.55	-40.91	51.61	68.30	16.69	Vertical
2	10383.166	56.76	38.54	-38.76	56.54	68.30	11.76	Vertical
3	15591.708	49.67	40.36	-34.43	55.60	74.00	18.40	Vertical
4	15592.666	37.89	40.36	-34.42	43.82	54.00	10.18	Vertical

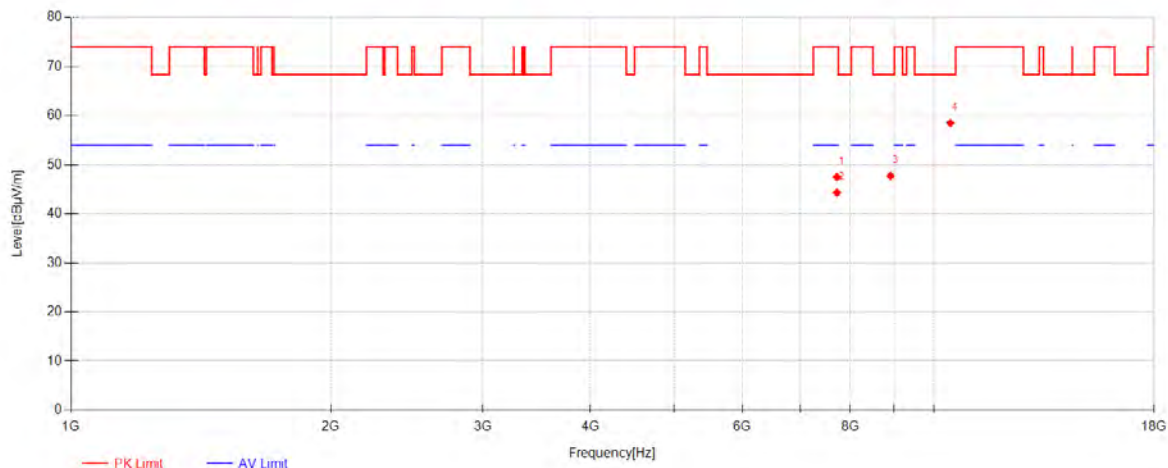
Compliance Certification Services (Kunshan) Inc.

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802.11ax40_Channel 46



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	53.61	36.71	-42.87	47.45	74.00	26.55	Horizontal
2	7721.875	50.47	36.71	-42.87	44.31	54.00	9.69	Horizontal
3	8909.25	52.04	36.55	-40.91	47.69	68.30	20.61	Horizontal
4	10449.770	58.65	38.54	-38.74	58.46	68.30	9.84	Horizontal

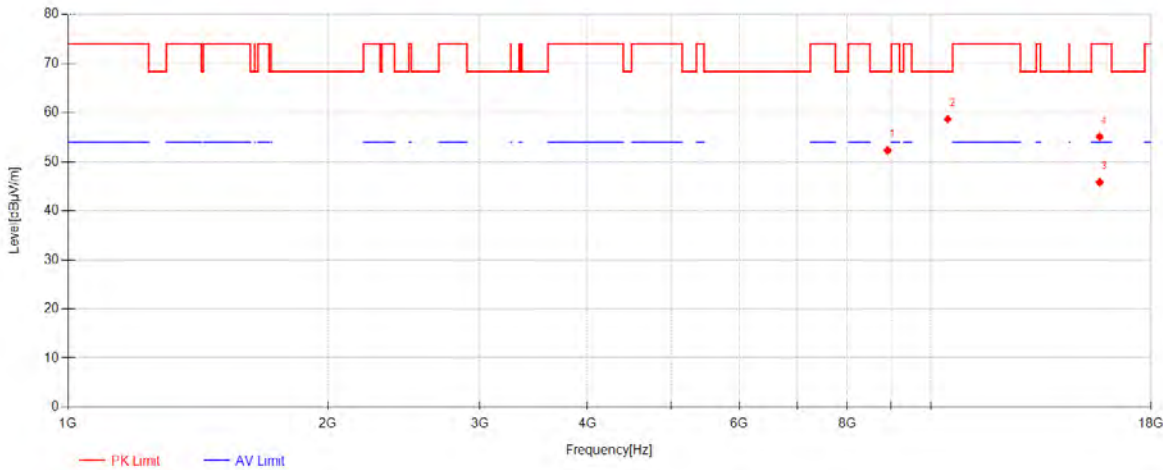
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.62	36.55	-40.91	52.27	68.30	16.03	Vertical
2	10459.833	58.88	38.55	-38.74	58.68	68.30	9.62	Vertical
3	15693.770	38.99	40.14	-33.33	45.80	54.00	8.20	Vertical
4	15694.25	48.27	40.14	-33.32	55.09	74.00	18.91	Vertical

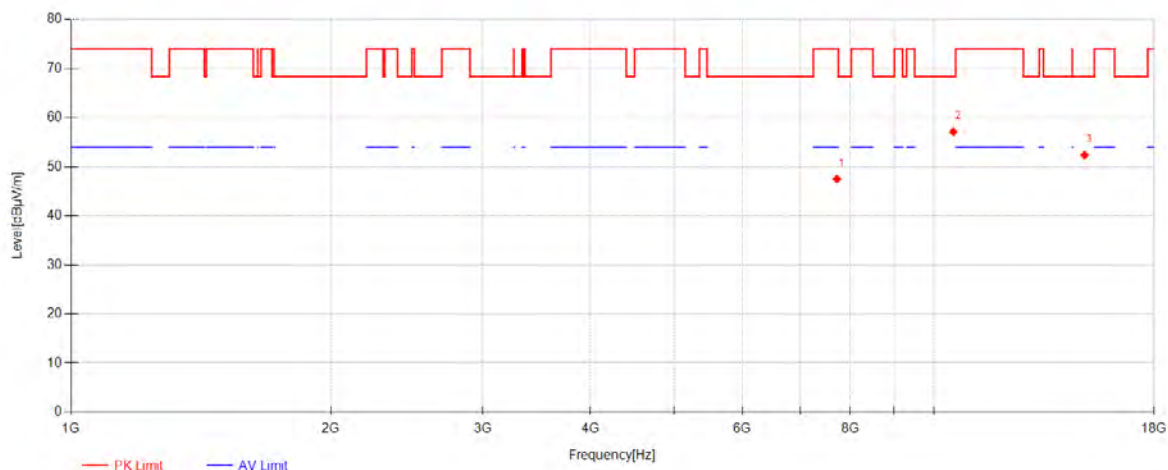
Compliance Certification Services (Kunshan) Inc.

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802.11ax40_Channel 54



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7720.9167	53.61	36.71	-42.87	47.45	74.00	26.55	Horizontal
2	10533.625	57.04	38.55	-38.51	57.09	68.30	11.21	Horizontal
3	14952.5	45.52	41.56	-34.76	52.32	68.30	15.98	Horizontal

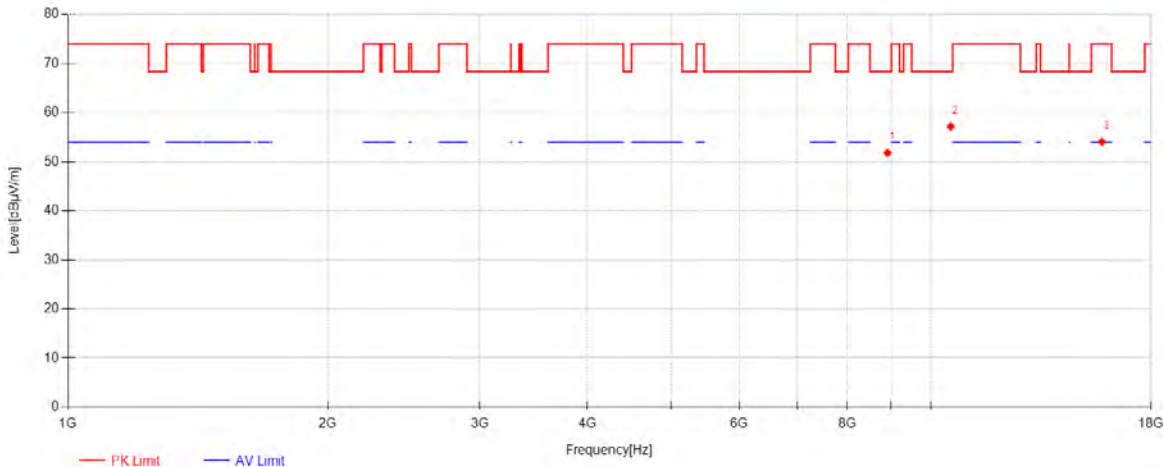
Compliance Certification Services (Kunshan) Inc.

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802.11ax40_Channel 54



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.12	36.55	-40.91	51.77	68.30	16.53	Vertical
2	10546.562	57.01	38.55	-38.41	57.15	68.30	11.15	Vertical
3	15793.916	47.18	39.93	-33.07	54.04	74.00	19.96	Vertical

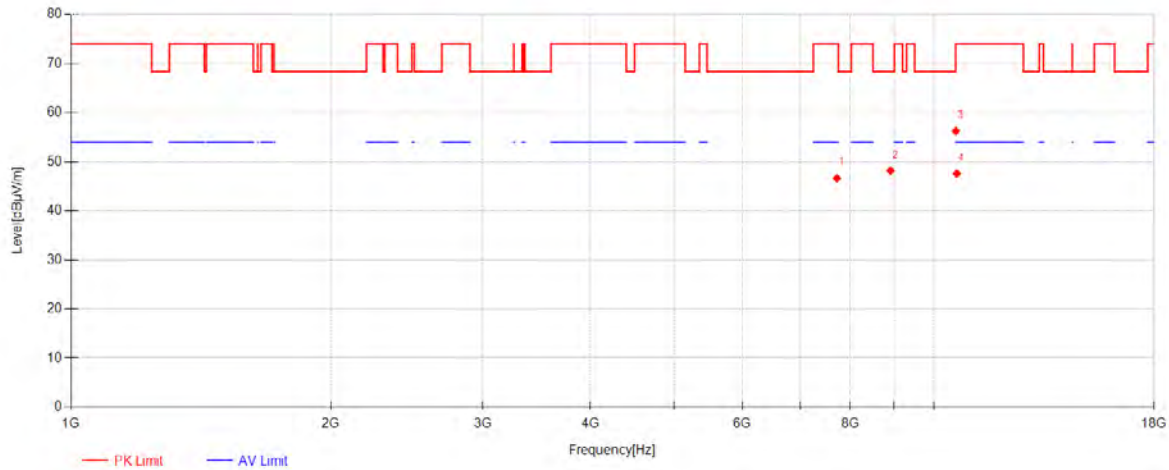
Compliance Certification Services (Kunshan) Inc.

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802.11ax40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	52.77	36.71	-42.87	46.61	74.00	27.39	Horizontal
2	8909.25	52.48	36.55	-40.91	48.13	68.30	20.17	Horizontal
3	10605.020	55.64	38.56	-37.98	56.22	74.00	17.78	Horizontal
4	10633.291	46.82	38.56	-37.84	47.55	54.00	6.45	Horizontal

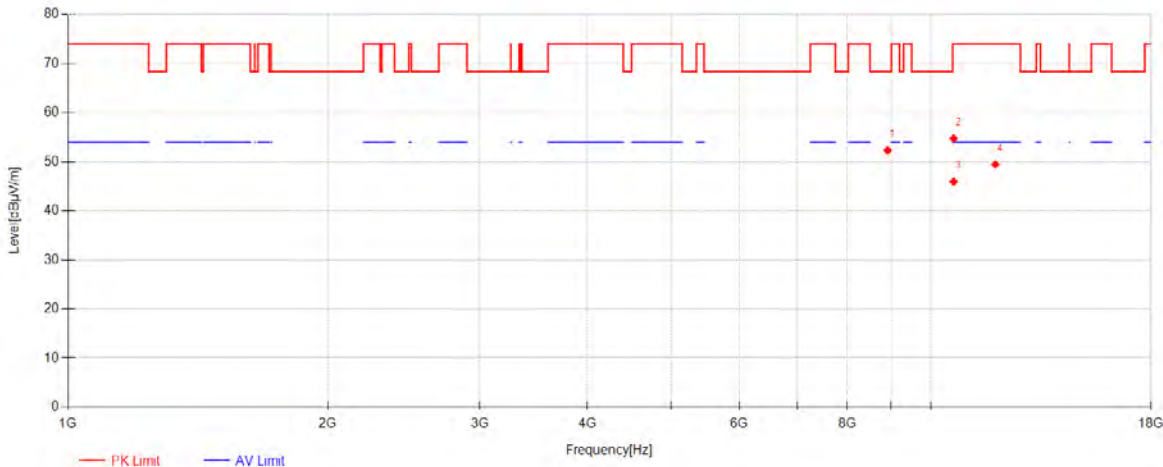
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802.11ax40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	56.63	36.55	-40.91	52.28	68.30	16.02	Vertical
2	10626.583	54.03	38.56	-37.87	54.72	74.00	19.28	Vertical
3	10626.583	45.24	38.56	-37.87	45.93	54.00	8.07	Vertical
4	11879.125	47.73	39.04	-37.32	49.45	74.00	24.55	Vertical

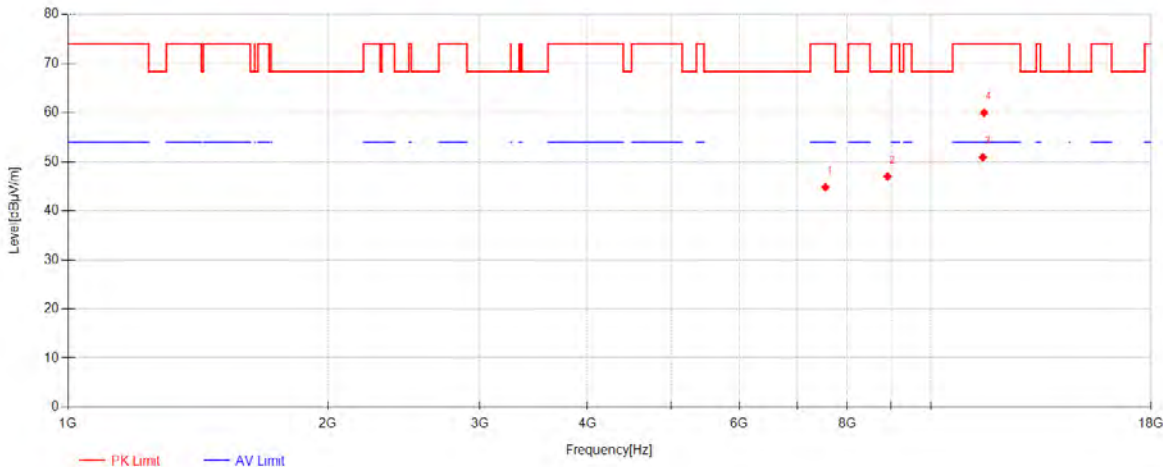
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802.11ax40_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7547.9375	51.30	36.47	-42.96	44.80	74.00	29.20	Horizontal
2	8909.25	51.32	36.55	-40.91	46.97	68.30	21.33	Horizontal
3	11490.520	48.66	38.85	-36.60	50.90	54.00	3.10	Horizontal
4	11527.895	57.76	38.86	-36.64	59.98	74.00	14.02	Horizontal

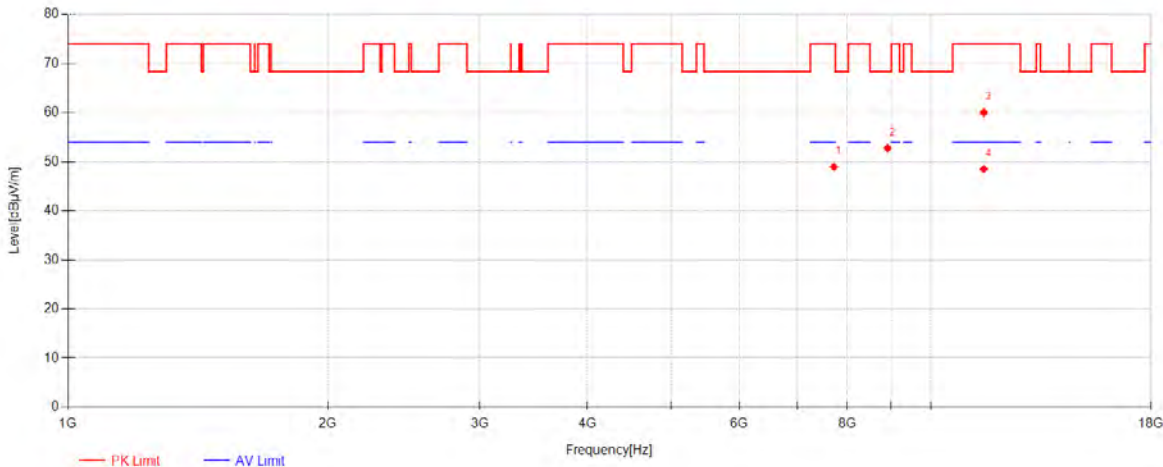
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802.11ax40_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7721.3958	55.09	36.71	-42.87	48.93	74.00	25.07	Vertical
2	8909.25	57.06	36.55	-40.91	52.71	68.30	15.59	Vertical
3	11516.875	57.76	38.86	-36.59	60.03	74.00	13.97	Vertical
4	11516.875	46.20	38.86	-36.59	48.47	54.00	5.53	Vertical

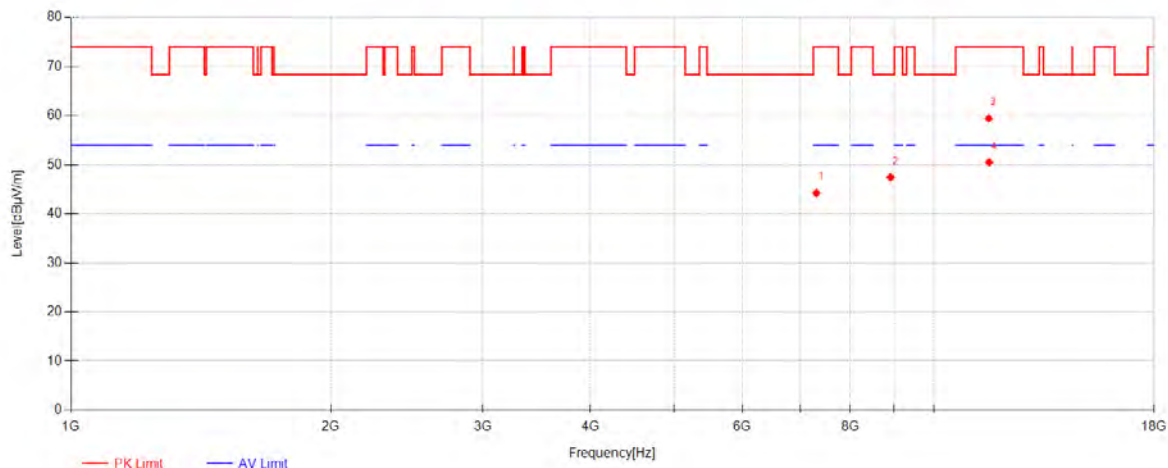
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802.11ax40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7309.7917	51.64	35.87	-43.28	44.23	74.00	29.77	Horizontal
2	8909.25	51.74	36.55	-40.91	47.39	68.30	20.91	Horizontal
3	11576.770	57.42	38.89	-36.87	59.44	74.00	14.56	Horizontal
4	11587.791	48.53	38.89	-36.92	50.50	54.00	3.50	Horizontal

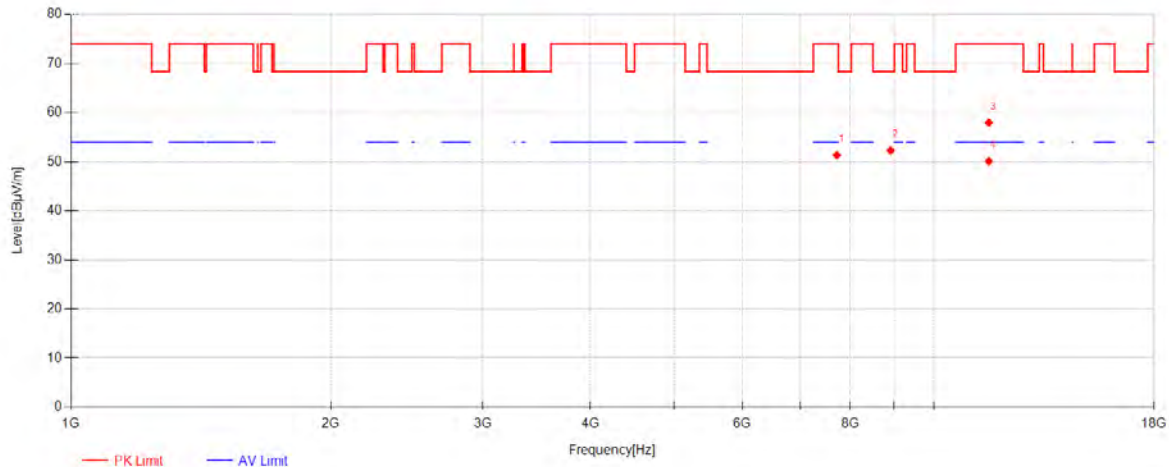
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802.11ax40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7720.9167	57.48	36.71	-42.87	51.32	74.00	22.68	Vertical
2	8909.25	56.61	36.55	-40.91	52.26	68.30	16.04	Vertical
3	11579.645	55.91	38.89	-36.88	57.92	74.00	16.08	Vertical
4	11583	48.13	38.89	-36.90	50.12	54.00	3.88	Vertical

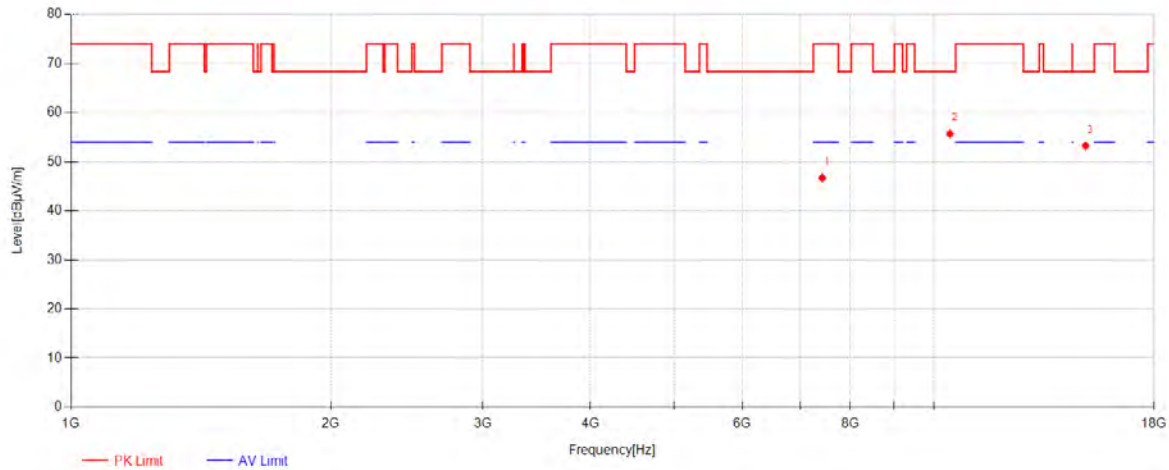
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802.11ax80_Channel 42



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.7917	53.39	36.19	-42.88	46.70	74.00	27.30	Horizontal
2	10437.312	55.86	38.54	-38.73	55.67	68.30	12.63	Horizontal
3	14990.833	46.11	41.59	-34.49	53.22	68.30	15.08	Horizontal

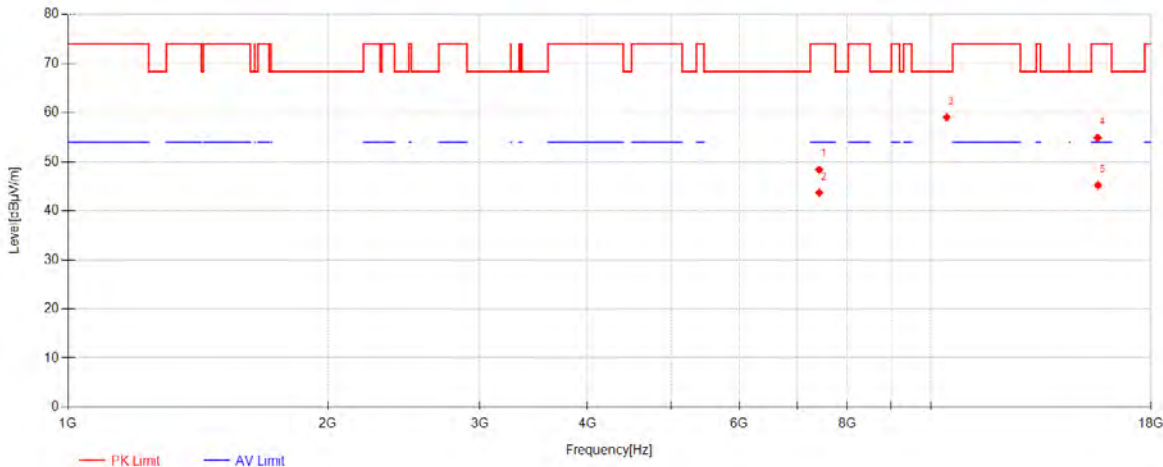
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802.11ax80_Channel 42



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.3125	55.01	36.19	-42.88	48.32	74.00	25.68	Vertical
2	7424.7917	50.36	36.19	-42.88	43.67	54.00	10.33	Vertical
3	10432.041	59.22	38.54	-38.73	59.03	68.30	9.27	Vertical
4	15608	48.85	40.32	-34.28	54.89	74.00	19.11	Vertical
5	15622.854	39.01	40.29	-34.12	45.19	54.00	8.81	Vertical

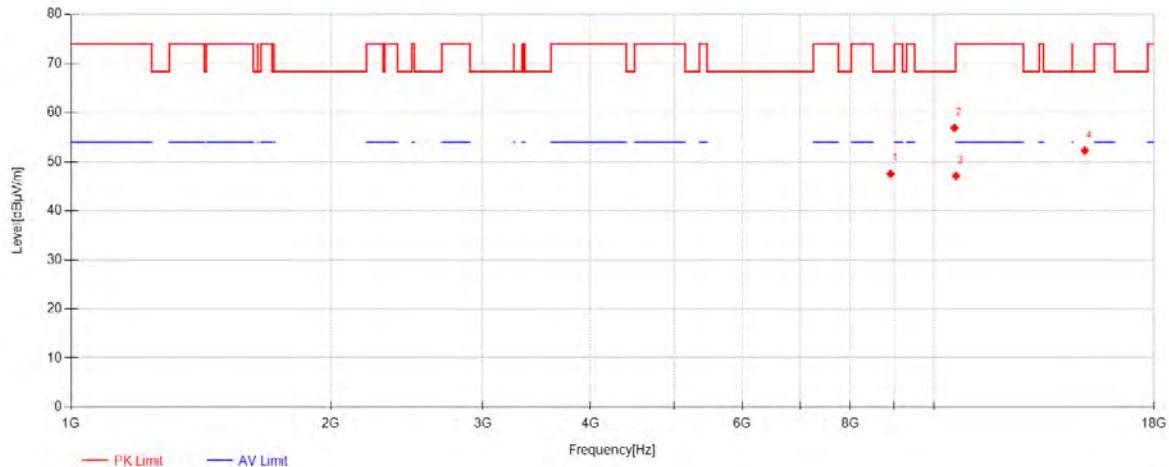
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802.11ax80_Channel 58



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	51.82	36.55	-40.91	47.47	68.30	20.83	Horizontal
2	10566.208	56.57	38.56	-38.26	56.86	68.30	11.44	Horizontal
3	10610.291	46.48	38.56	-37.96	47.08	54.00	6.92	Horizontal
4	14961.604	45.35	41.57	-34.69	52.23	68.30	16.07	Horizontal

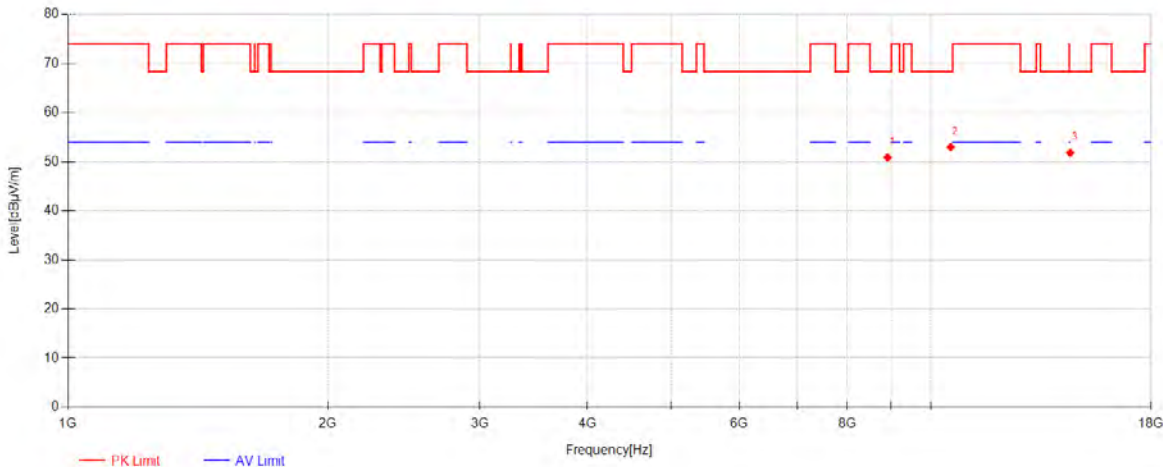
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.7292	55.22	36.55	-40.91	50.87	68.30	17.43	Vertical
2	10545.604	52.78	38.55	-38.42	52.92	68.30	15.38	Vertical
3	14505.437	44.87	41.20	-34.29	51.78	68.30	16.52	Vertical

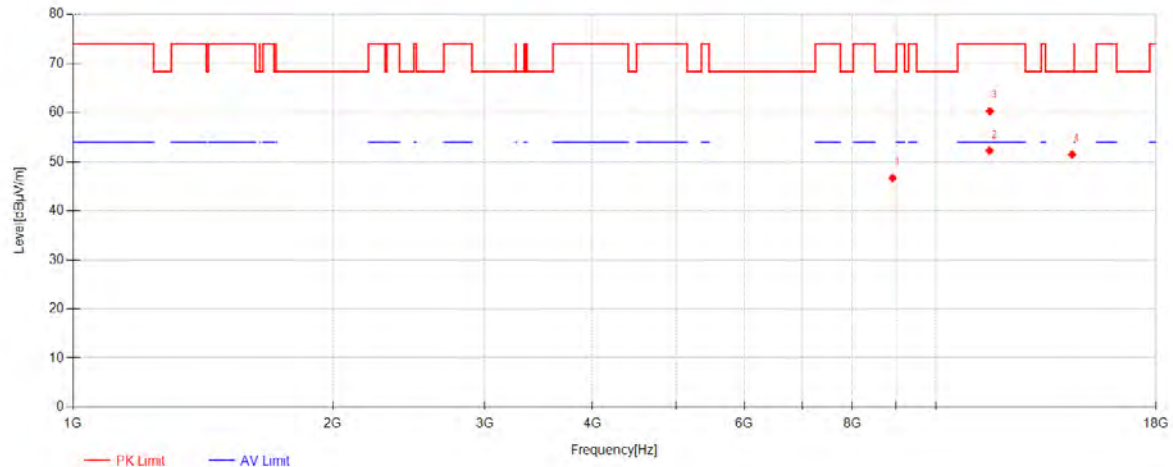
Compliance Certification Services (Kunshan) Inc.

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802.11ax80_Channel 155



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	51.01	36.55	-40.91	46.66	68.30	21.64	Horizontal
2	11540.354	50.05	38.87	-36.70	52.22	54.00	1.78	Horizontal
3	11551.375	58.19	38.88	-36.75	60.31	74.00	13.69	Horizontal
4	14385.166	45.55	41.11	-35.20	51.46	68.30	16.84	Horizontal

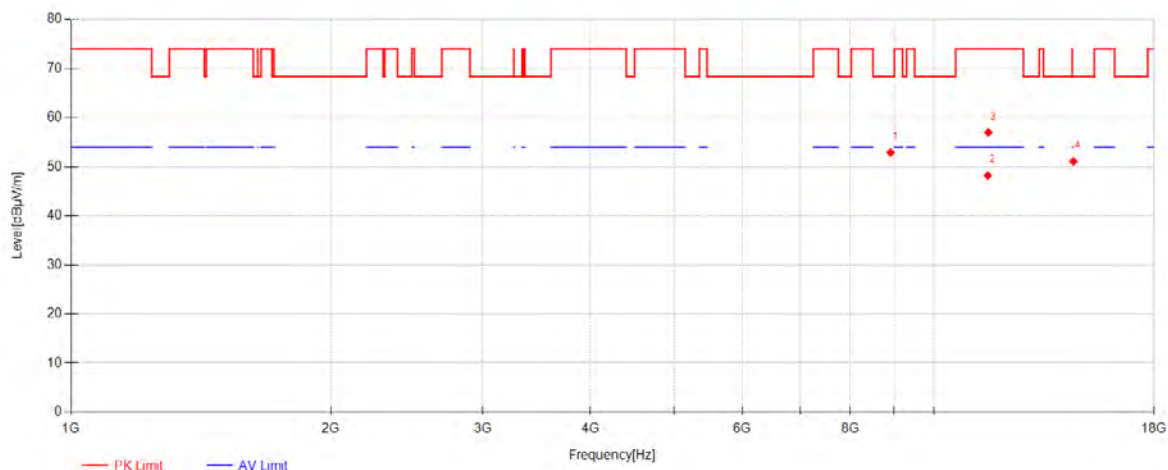
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802.11ax80_Channel 155



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8909.25	57.18	36.55	-40.91	52.83	68.30	15.47	Vertical
2	11550.895	46.04	38.88	-36.75	48.17	54.00	5.83	Vertical
3	11566.229	54.90	38.88	-36.82	56.96	74.00	17.04	Vertical
4	14512.625	44.24	41.21	-34.37	51.08	68.30	17.22	Vertical

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7.5 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

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

*(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.

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.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

Humidity: 46 % RH

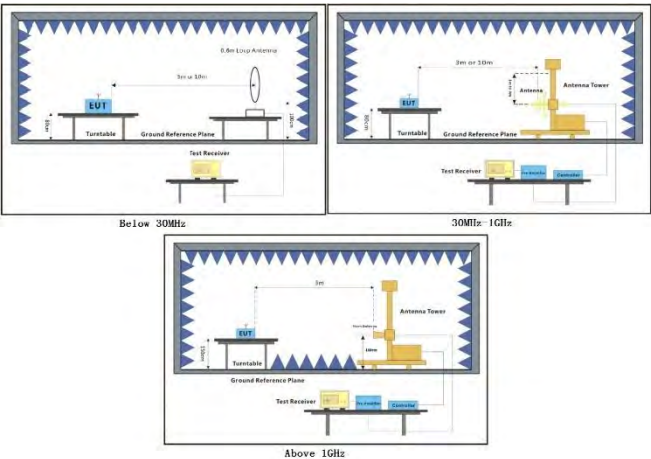
Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is

		recorded in the report.
Final test	02	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 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
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
3. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

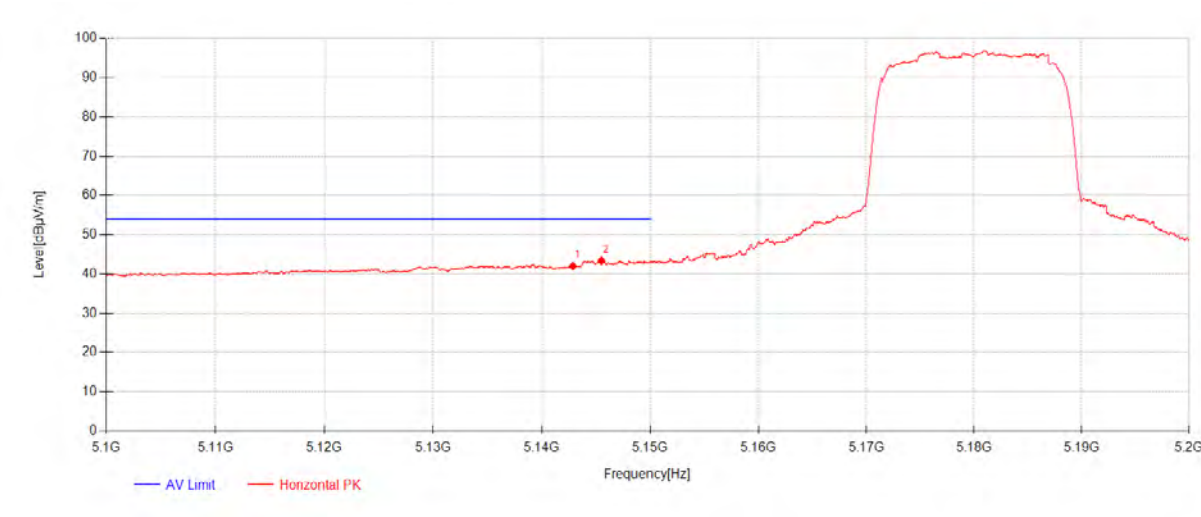
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802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5142.8667	29.53	31.66	-19.16	42.03	54.00	11.97	Horizontal
2	5145.5	30.90	31.66	-19.15	43.41	54.00	10.59	Horizontal

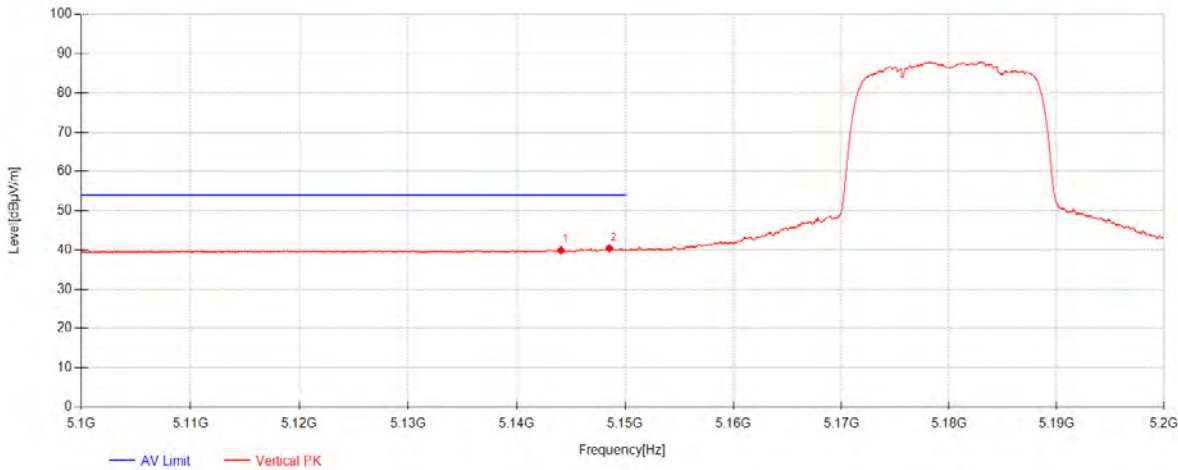
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.0667	27.39	31.66	-19.15	39.90	54.00	14.10	Vertical
2	5148.5333	27.90	31.67	-19.14	40.42	54.00	13.58	Vertical

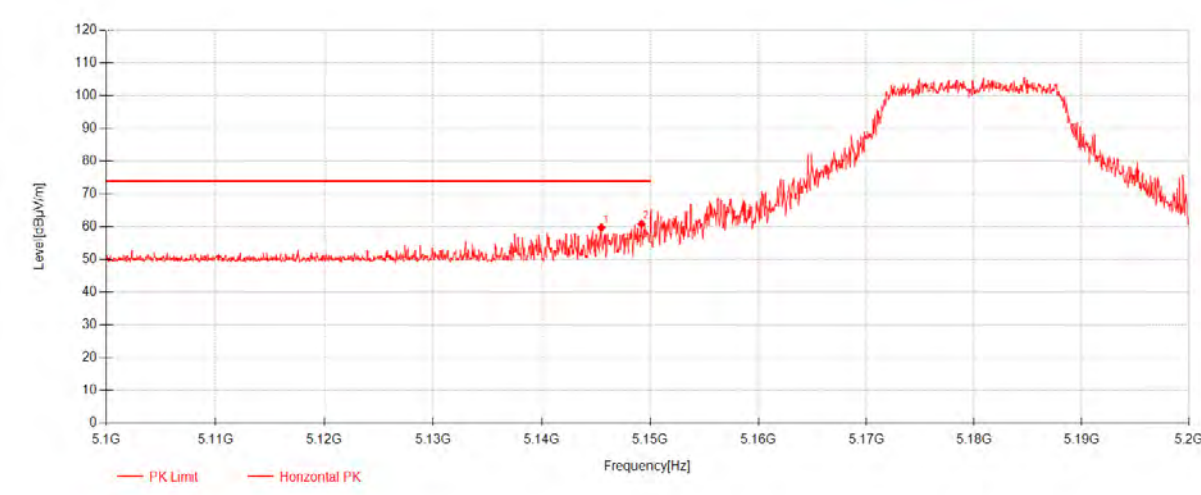
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.5	47.23	31.66	-19.15	59.74	74.00	14.26	Horizontal
2	5149.2	48.34	31.67	-19.14	60.87	74.00	13.13	Horizontal

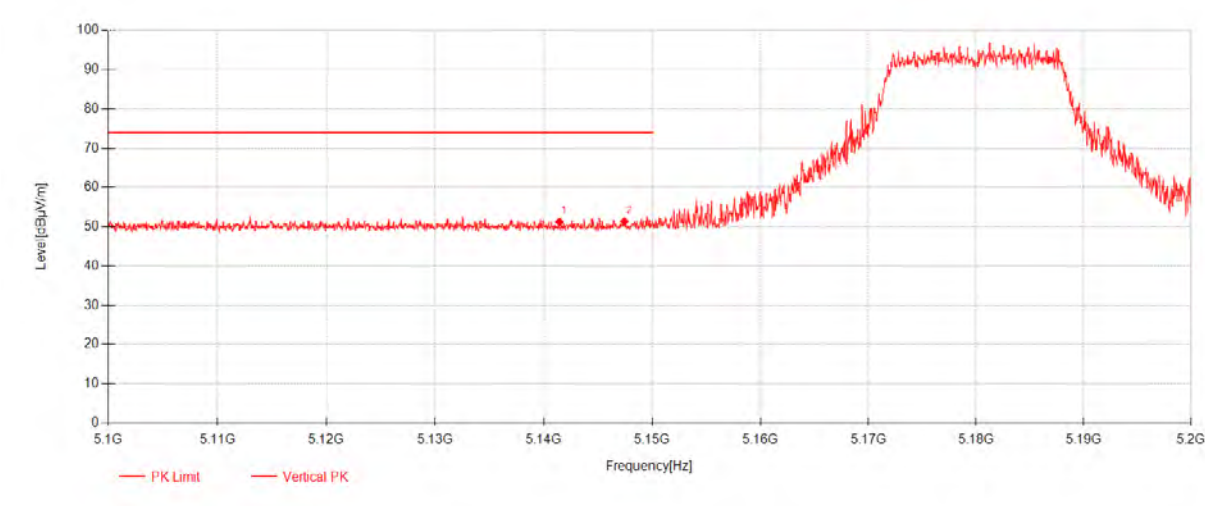
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Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5141.4333	38.75	31.65	-19.16	51.24	74.00	22.76	Vertical
2	5147.4333	38.85	31.67	-19.15	51.37	74.00	22.63	Vertical

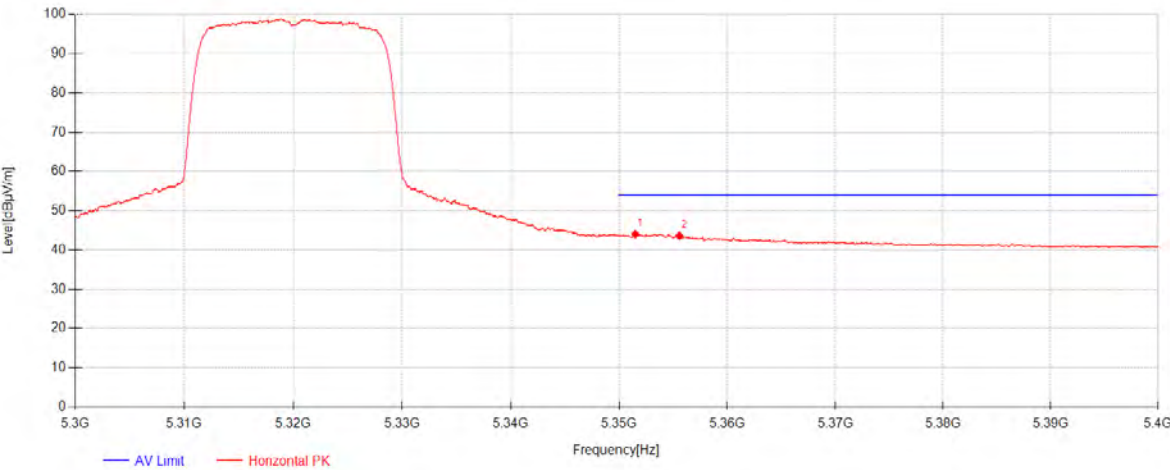
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802.11a_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.5	30.92	32.03	-18.90	44.05	54.00	9.95	Horizontal
2	5355.5667	30.50	32.04	-18.91	43.63	54.00	10.37	Horizontal

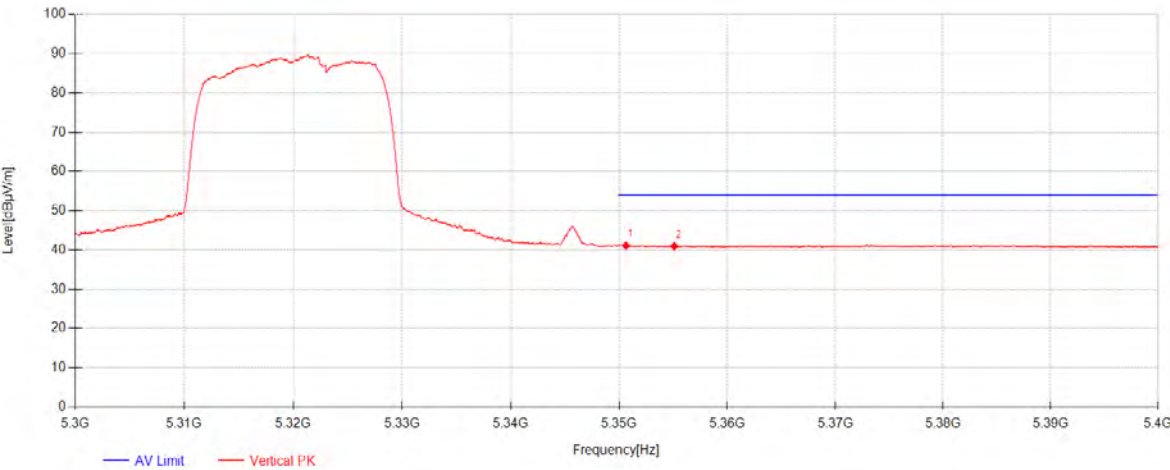
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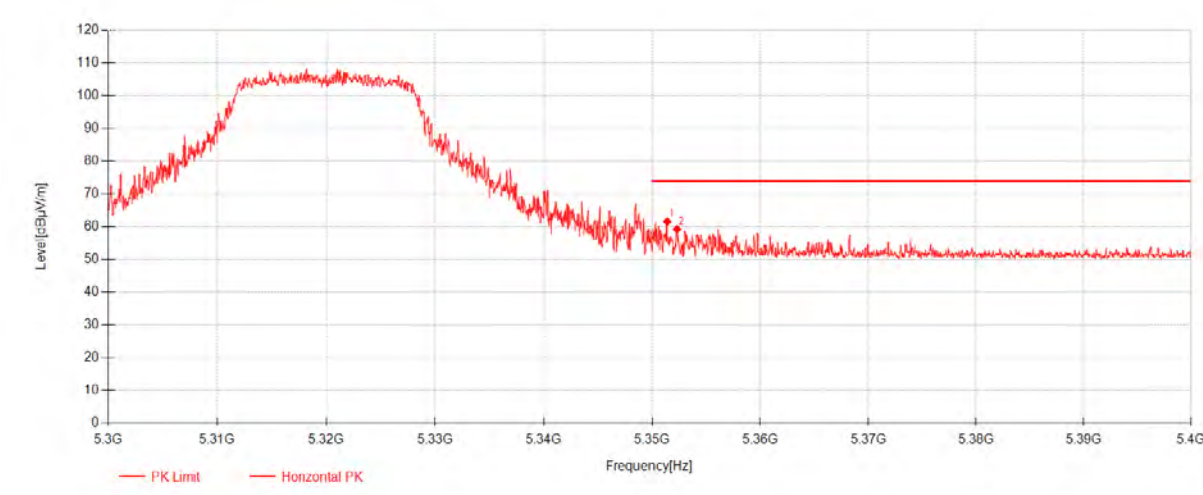
802.11a_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6333	28.00	32.03	-18.90	41.13	54.00	12.87	Vertical
2	5355.1	27.86	32.04	-18.91	40.99	54.00	13.01	Vertical

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802.11a_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5351.4	48.46	32.03	-18.90	61.59	74.00	12.41	Horizontal
2	5352.3	46.15	32.03	-18.91	59.28	74.00	14.72	Horizontal

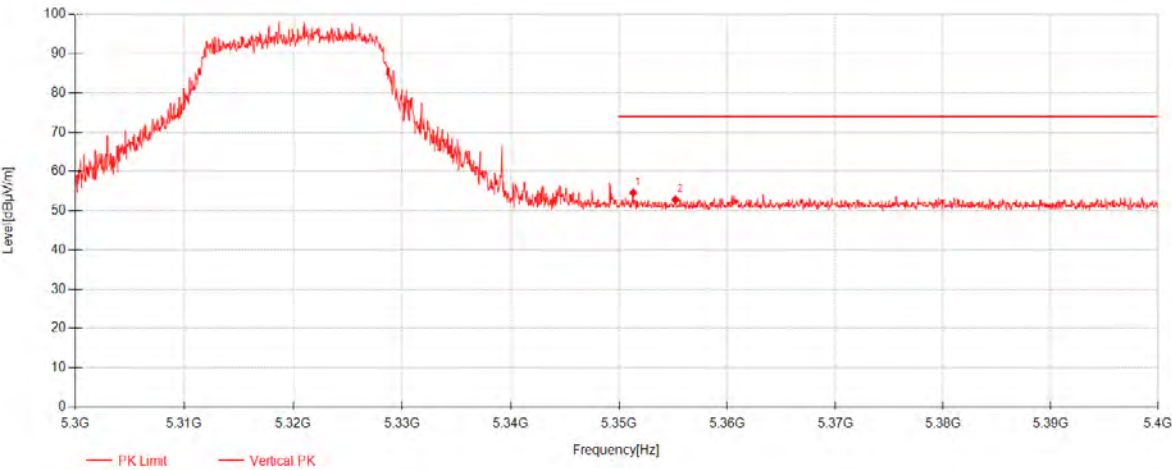
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802.11a_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.3	41.42	32.03	-18.90	54.55	74.00	19.45	Vertical
2	5355.2	39.64	32.04	-18.91	52.77	74.00	21.23	Vertical

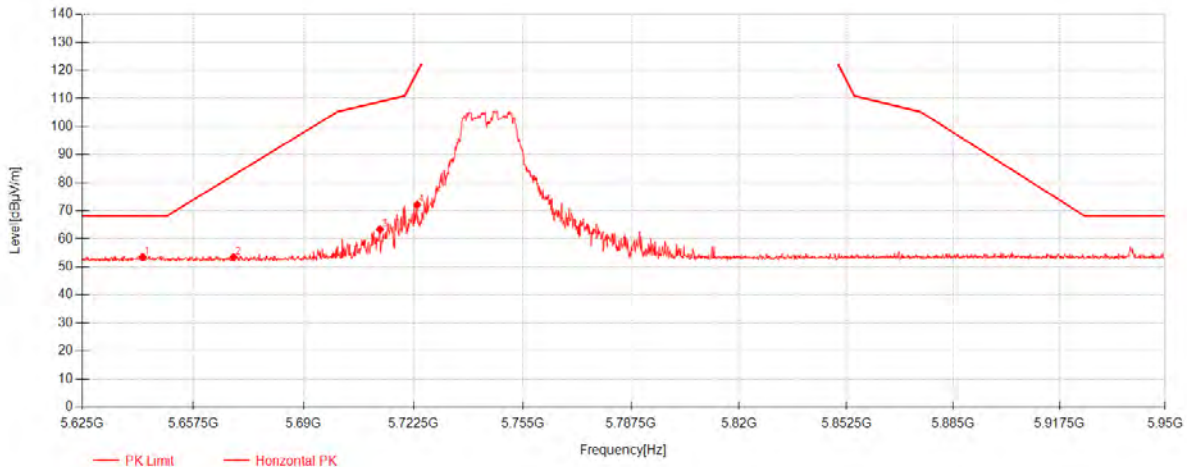
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802.11a_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.7125	39.94	32.33	-18.72	53.54	68.30	14.76	Horizontal
2	5669.3625	39.82	32.33	-18.73	53.43	82.67	29.24	Horizontal
3	5712.5875	49.74	32.34	-18.77	63.31	108.83	45.52	Horizontal
4	5723.6375	58.60	32.34	-18.80	72.14	119.19	47.05	Horizontal

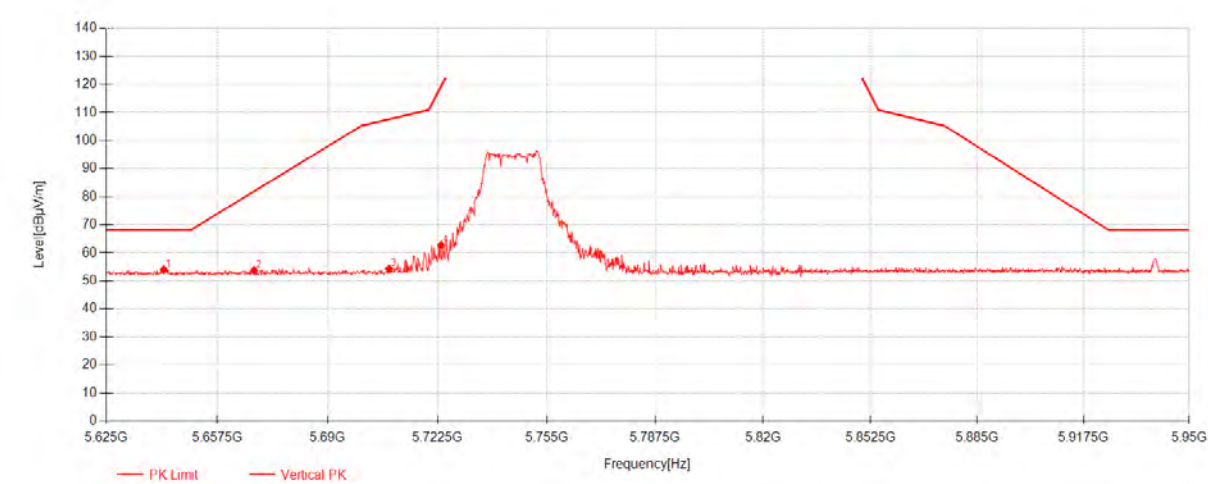
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.9	40.36	32.33	-18.72	53.96	68.30	14.34	Vertical
2	5668.3875	40.13	32.33	-18.73	53.74	81.94	28.20	Vertical
3	5708.2	40.67	32.34	-18.75	54.26	107.60	53.34	Vertical
4	5723.6375	49.14	32.34	-18.80	62.68	119.19	56.51	Vertical

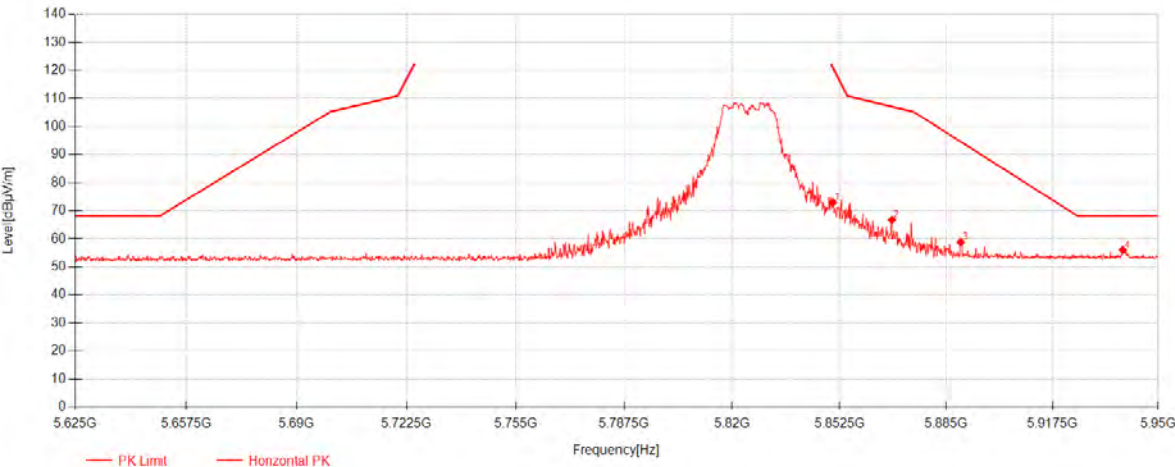
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.55	59.46	32.37	-18.88	72.95	121.05	48.10	Horizontal
2	5868.425	53.17	32.37	-18.83	66.71	107.14	40.43	Horizontal
3	5889.3875	45.24	32.38	-18.77	58.85	94.62	35.77	Horizontal
4	5939.1125	42.39	32.39	-18.82	55.96	68.30	12.34	Horizontal

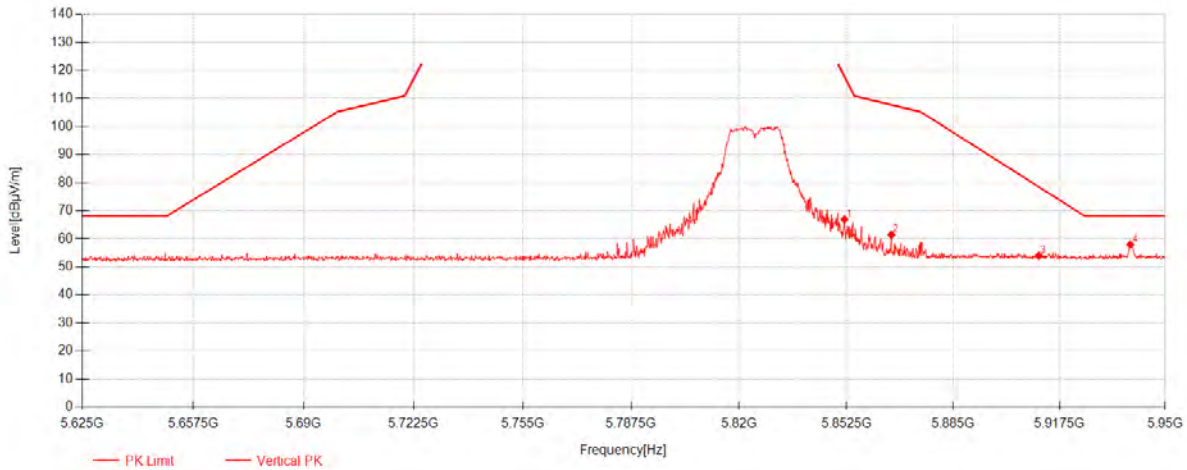
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.85	53.44	32.37	-18.88	66.93	118.08	51.15	Vertical
2	5866.15	47.90	32.37	-18.84	61.44	107.78	46.34	Vertical
3	5911.1625	40.37	32.38	-18.76	53.99	78.51	24.52	Vertical
4	5939.275	44.39	32.39	-18.82	57.96	68.30	10.34	Vertical

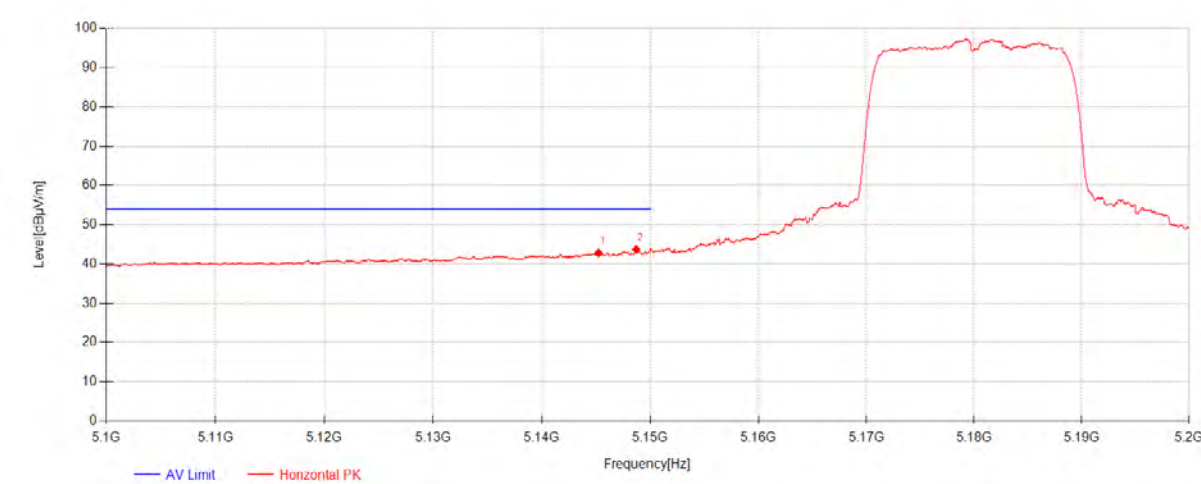
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802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.2333	30.34	31.66	-19.15	42.85	54.00	11.15	Horizontal
2	5148.7	31.20	31.67	-19.14	43.72	54.00	10.28	Horizontal

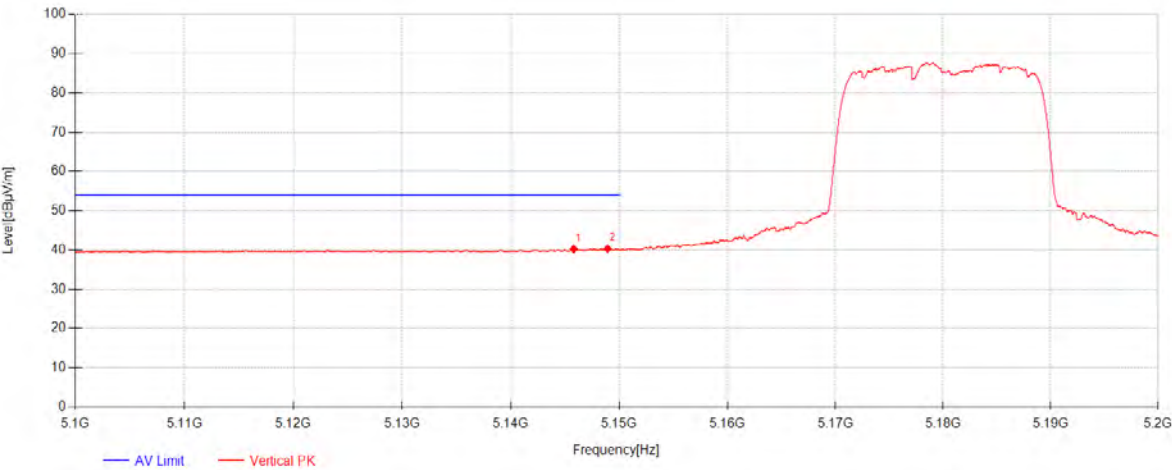
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.8	27.72	31.66	-19.15	40.23	54.00	13.77	Vertical
2	5148.9333	27.77	31.67	-19.14	40.30	54.00	13.70	Vertical

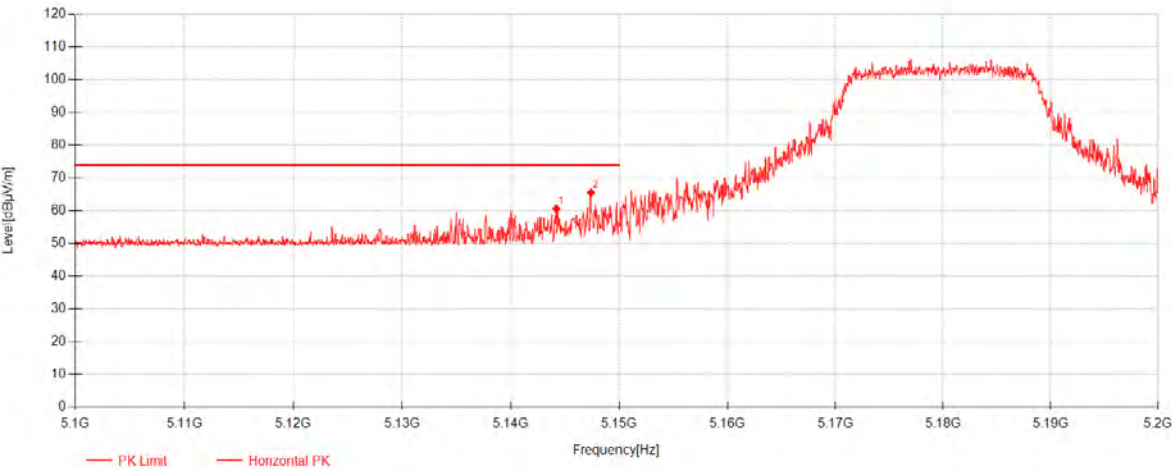
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.2	48.08	31.66	-19.15	60.59	74.00	13.41	Horizontal
2	5147.4	53.01	31.67	-19.15	65.53	74.00	8.47	Horizontal

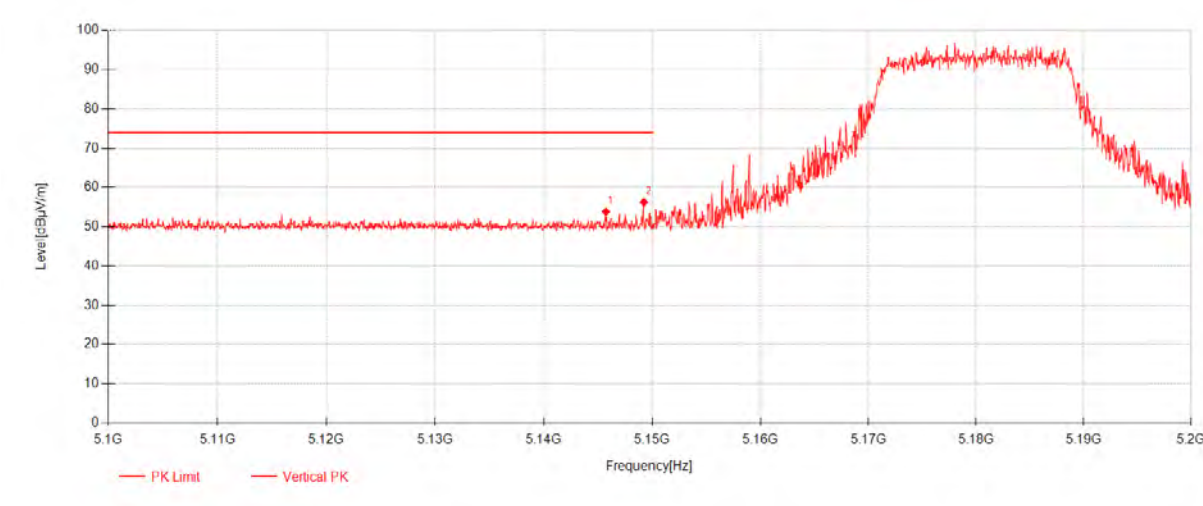
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.7333	41.31	31.66	-19.15	53.82	74.00	20.18	Vertical
2	5149.2333	43.74	31.67	-19.14	56.27	74.00	17.73	Vertical

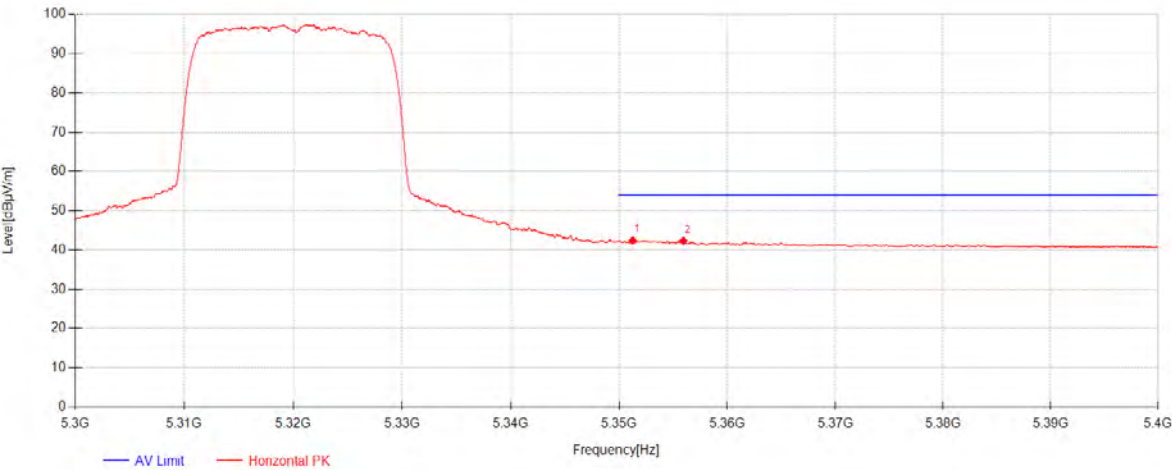
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.2667	29.32	32.03	-18.90	42.45	54.00	11.55	Horizontal
2	5355.9333	29.22	32.04	-18.91	42.35	54.00	11.65	Horizontal

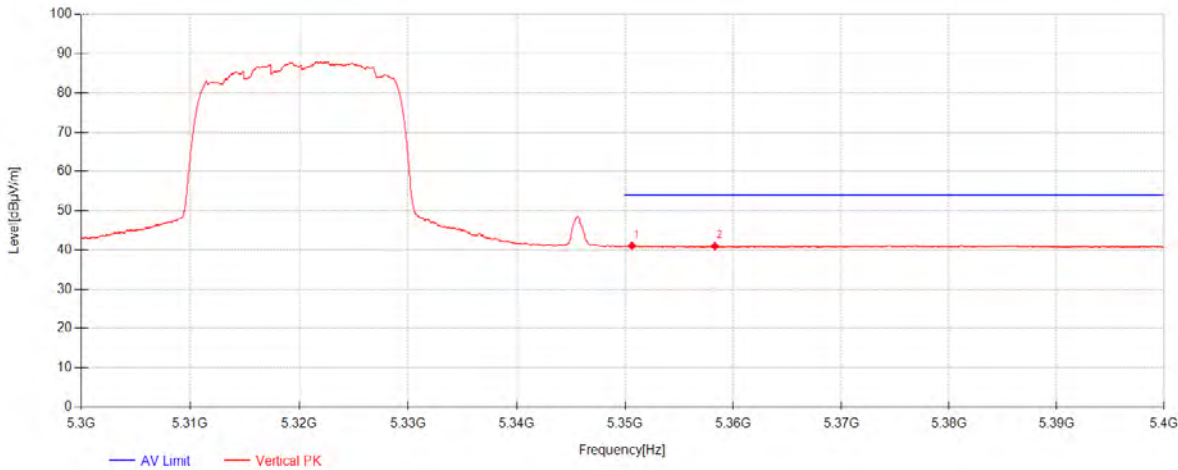
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6333	27.98	32.03	-18.90	41.11	54.00	12.89	Vertical
2	5358.3	27.86	32.04	-18.92	40.99	54.00	13.01	Vertical

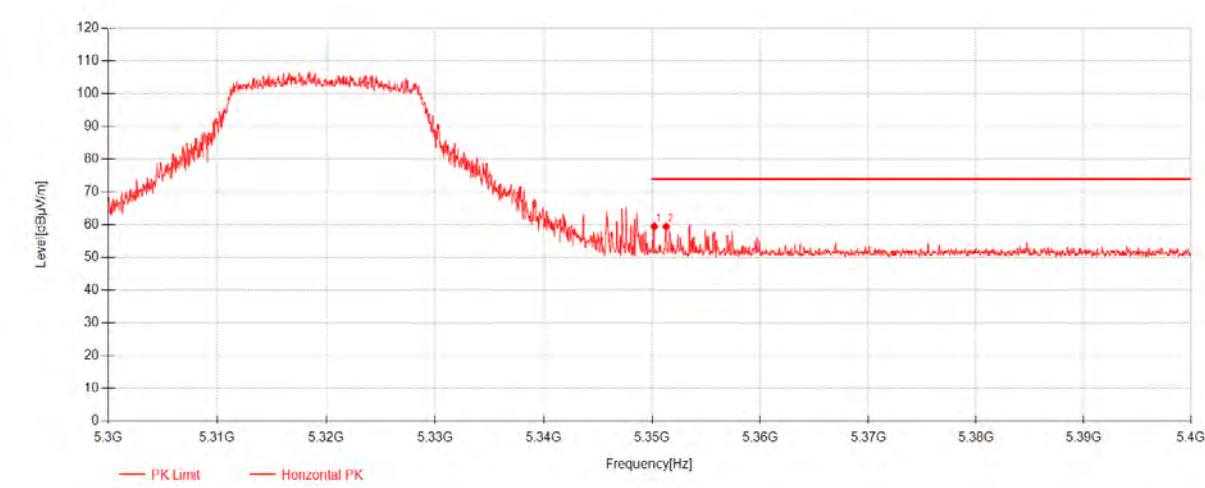
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.2	46.33	32.03	-18.90	59.46	74.00	14.54	Horizontal
2	5351.3	46.31	32.03	-18.90	59.44	74.00	14.56	Horizontal

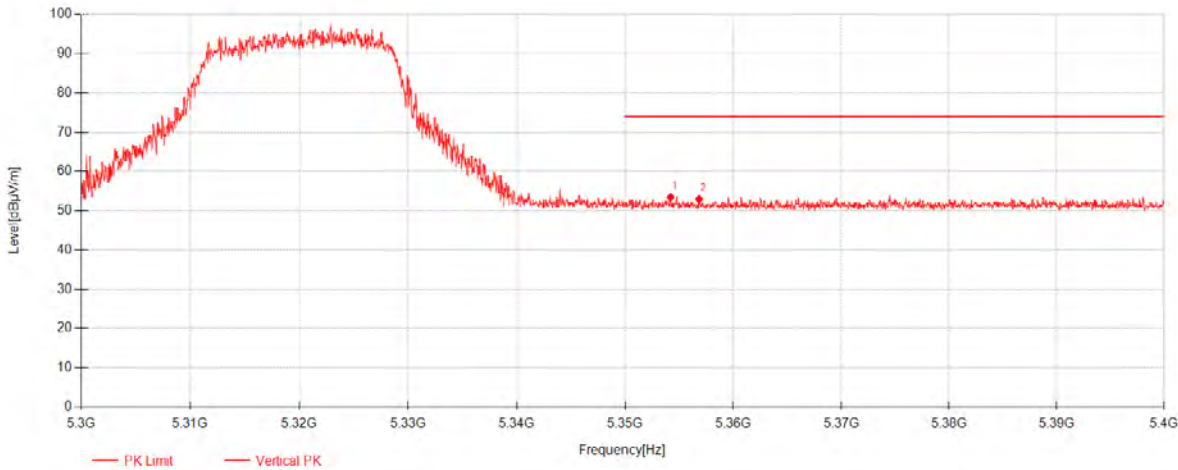
Compliance Certification Services (Kunshan) Inc.

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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5354.2	40.29	32.04	-18.91	53.42	74.00	20.58	Vertical
2	5356.8333	39.78	32.04	-18.92	52.91	74.00	21.09	Vertical

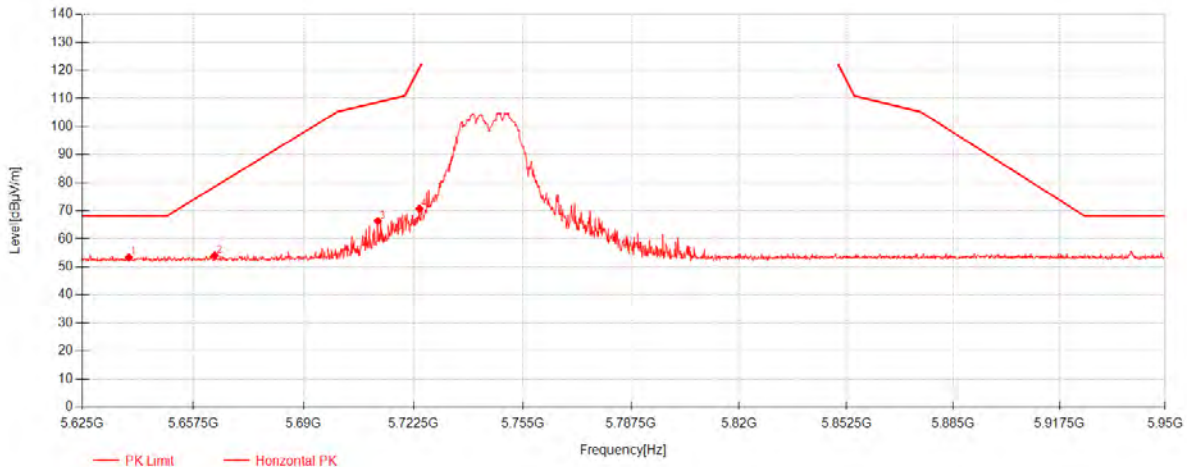
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5638.65	39.76	32.33	-18.72	53.36	68.30	14.94	Horizontal
2	5663.8375	40.42	32.33	-18.73	54.03	78.57	24.54	Horizontal
3	5711.9375	52.72	32.34	-18.77	66.30	108.64	42.34	Horizontal
4	5724.2875	57.22	32.34	-18.80	70.76	120.68	49.92	Horizontal

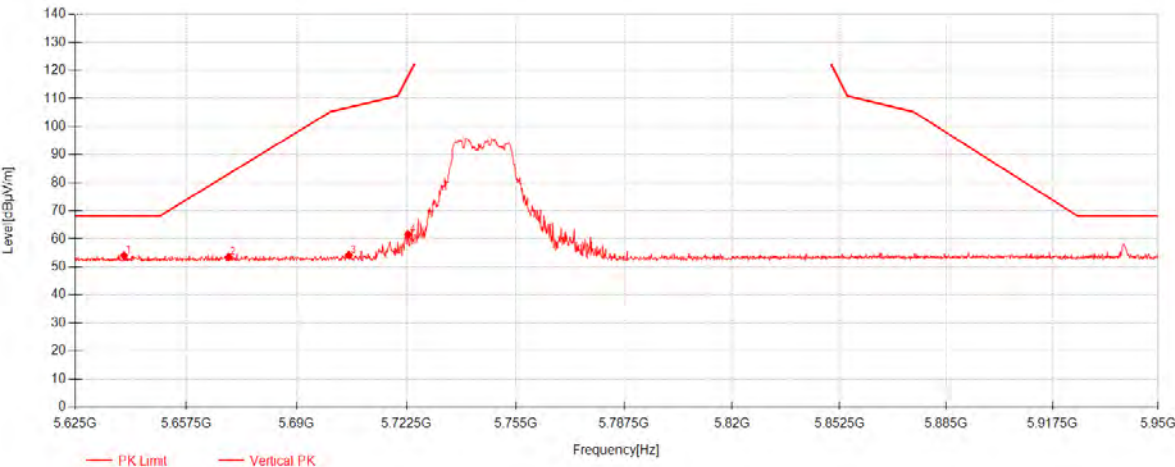
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5639.3	40.41	32.33	-18.72	54.01	68.30	14.29	Vertical
2	5670.0125	39.91	32.33	-18.73	53.52	83.15	29.63	Vertical
3	5705.4375	40.58	32.34	-18.75	54.17	106.82	52.65	Vertical
4	5722.9875	48.05	32.34	-18.80	61.60	117.71	56.11	Vertical

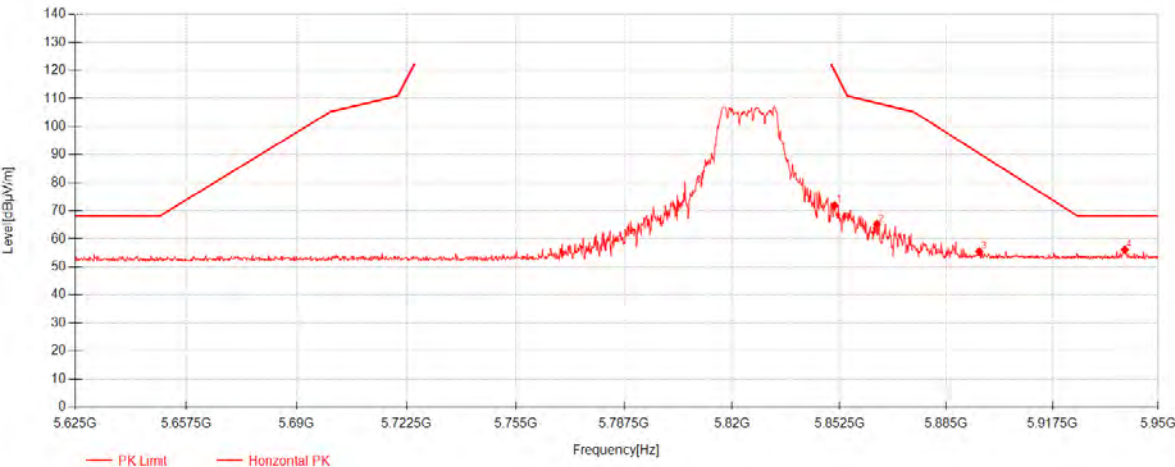
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.0375	58.41	32.37	-18.88	71.90	119.93	48.03	Horizontal
2	5863.875	51.68	32.37	-18.84	65.21	108.41	43.20	Horizontal
3	5895.075	41.84	32.38	-18.75	55.46	90.41	34.95	Horizontal
4	5939.7625	42.49	32.39	-18.82	56.05	68.30	12.25	Horizontal

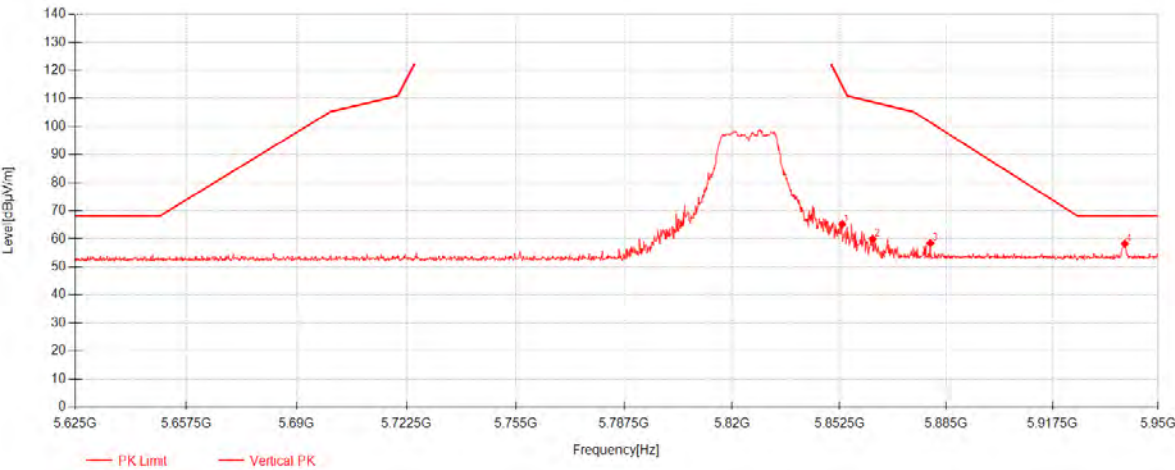
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5853.3125	51.67	32.37	-18.88	65.17	114.75	49.58	Vertical
2	5862.575	46.45	32.37	-18.85	59.97	108.78	48.81	Vertical
3	5880.125	44.87	32.38	-18.80	58.45	101.49	43.04	Vertical
4	5939.7625	44.67	32.39	-18.82	58.23	68.30	10.07	Vertical

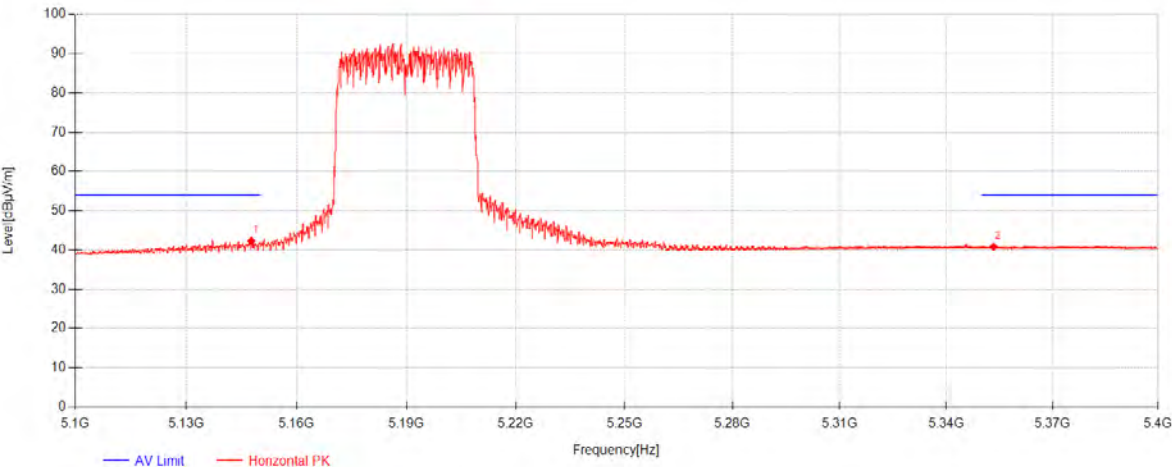
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.68	29.80	31.67	-19.15	42.32	54.00	11.68	Horizontal
2	5353.31	27.69	32.04	-18.91	40.82	54.00	13.18	Horizontal

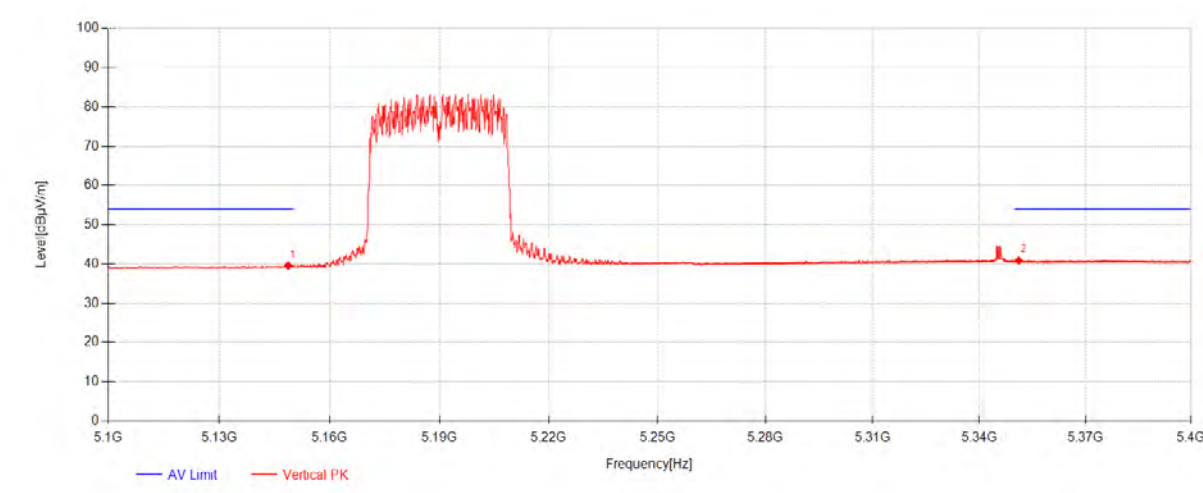
Compliance Certification Services (Kunshan) Inc.

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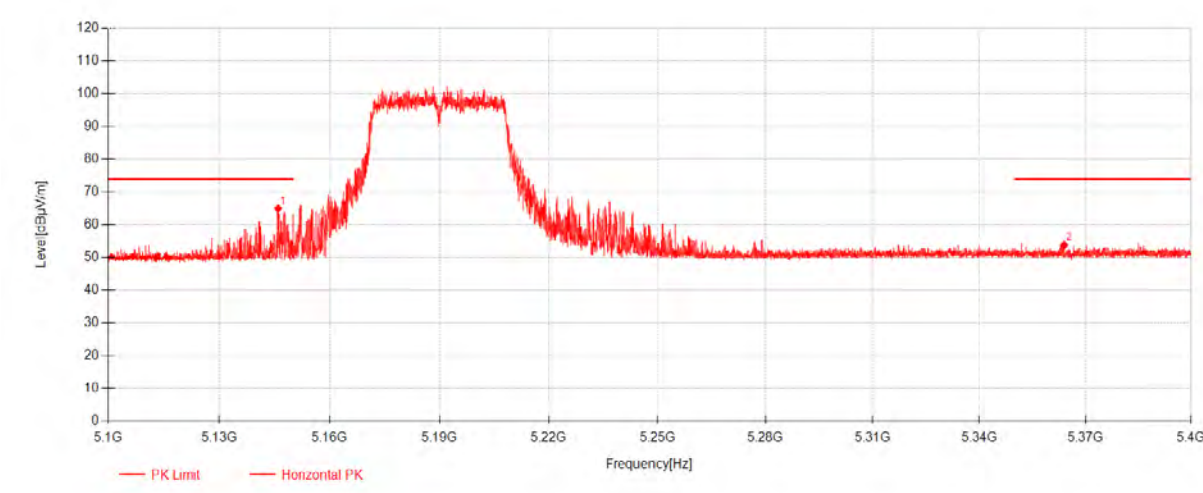
802.11ac40_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.6933	27.07	31.67	-19.14	39.59	54.00	14.41	Vertical
2	5351.0875	27.78	32.03	-18.90	40.91	54.00	13.09	Vertical

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802.11ac40_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5145.96	52.44	31.66	-19.15	64.95	74.00	9.05	Horizontal
2	5363.9675	40.59	32.06	-18.93	53.71	74.00	20.29	Horizontal

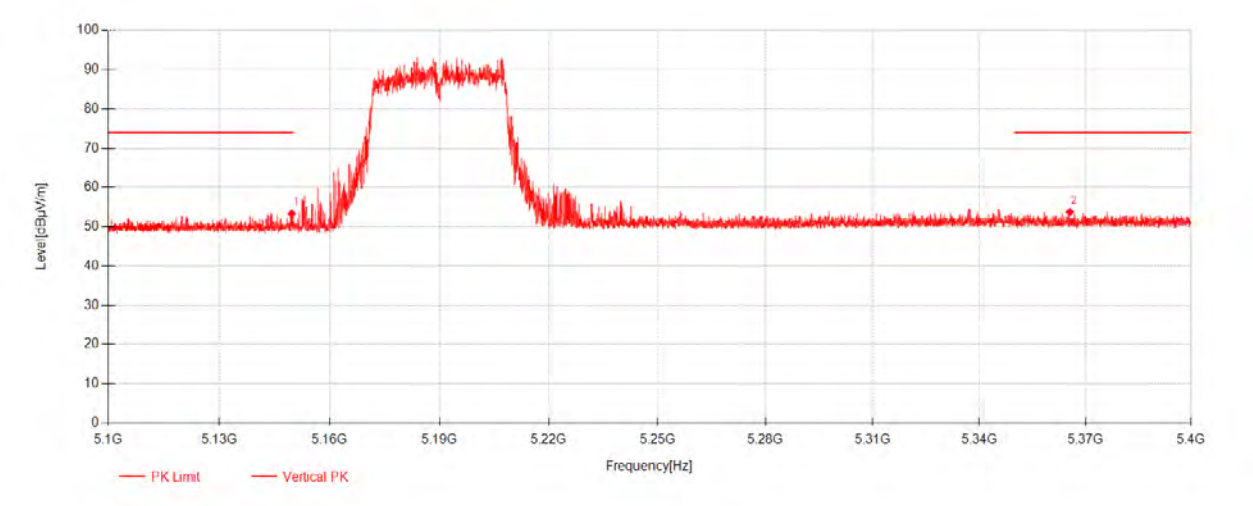
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.66	40.79	31.67	-19.14	53.32	74.00	20.68	Vertical
2	5365.5425	40.61	32.06	-18.94	53.73	74.00	20.27	Vertical

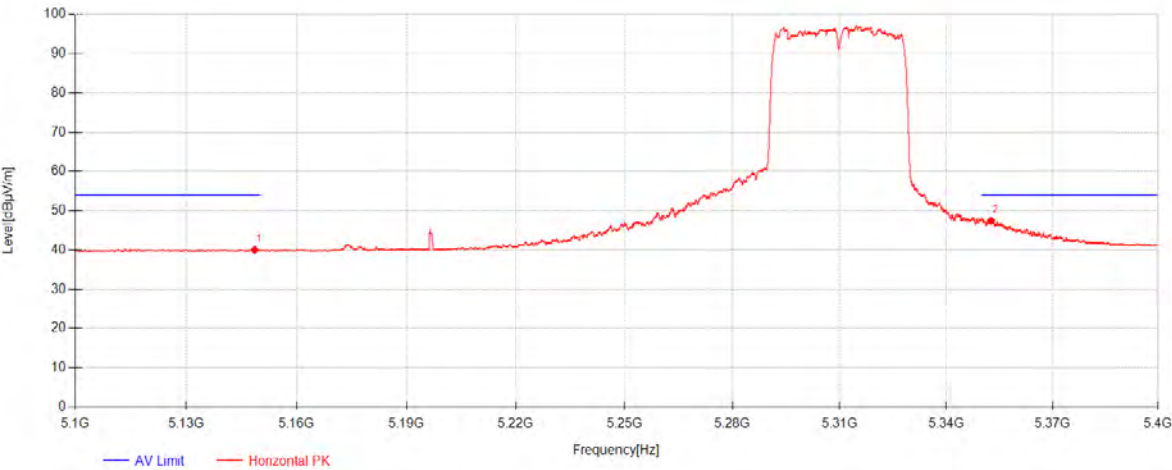
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.55	27.49	31.67	-19.14	40.01	54.00	13.99	Horizontal
2	5352.6	34.31	32.03	-18.91	47.44	54.00	6.56	Horizontal

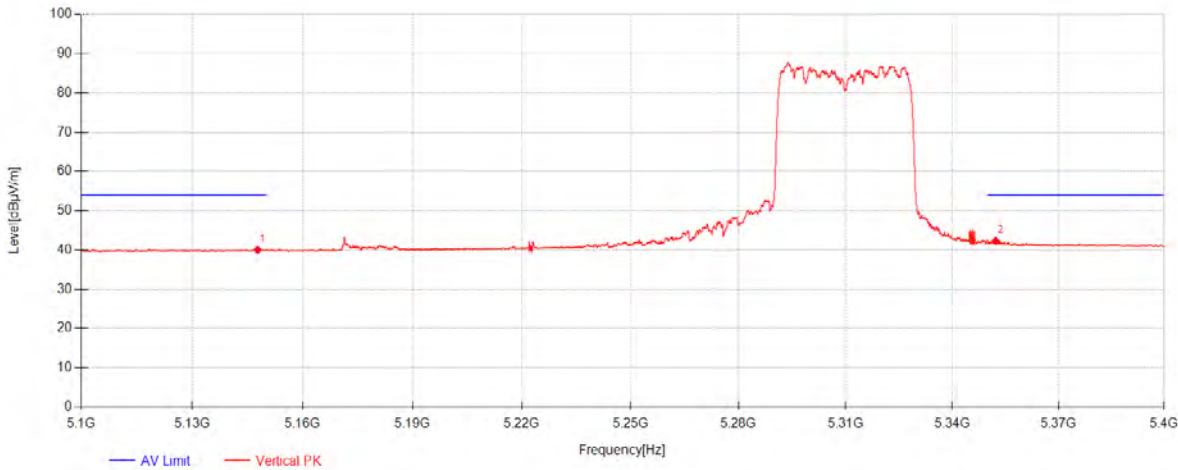
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.75	27.48	31.67	-19.15	40.00	54.00	14.00	Vertical
2	5352.225	29.22	32.03	-18.91	42.35	54.00	11.65	Vertical

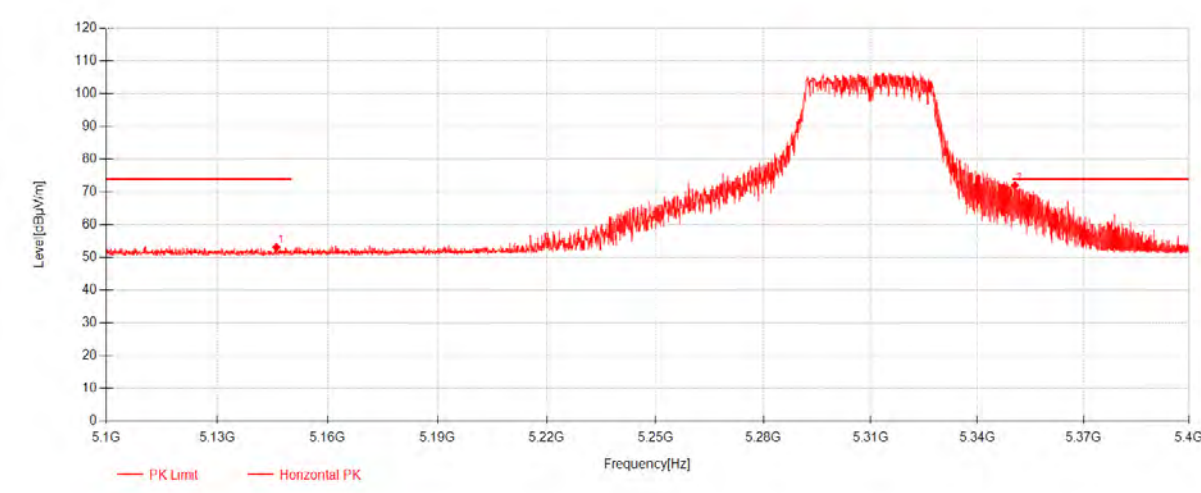
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.0667	40.60	31.66	-19.15	53.11	74.00	20.89	Horizontal
2	5350.5875	58.82	32.03	-18.90	71.95	74.00	2.05	Horizontal

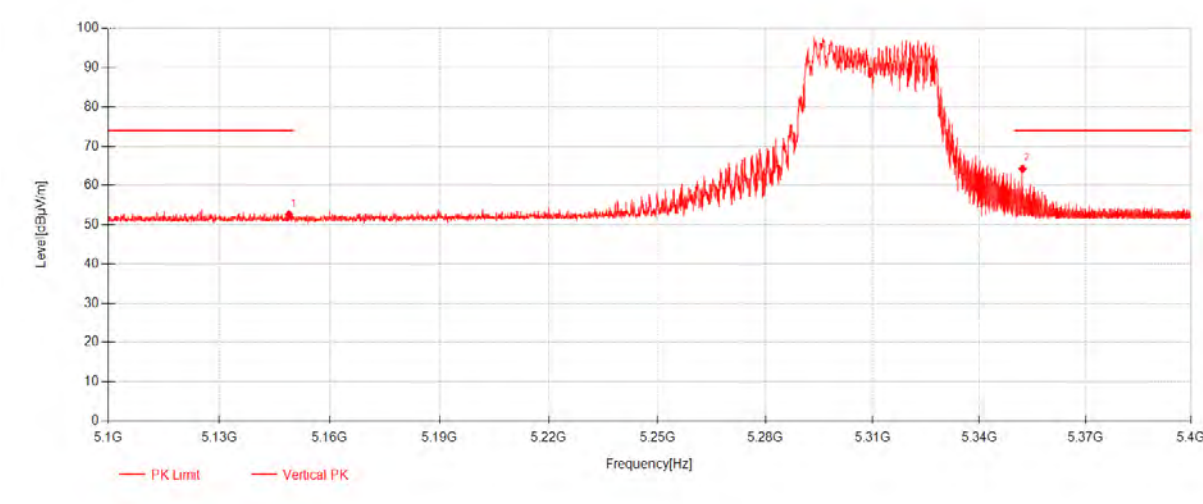
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.9333	40.09	31.67	-19.14	52.62	74.00	21.38	Vertical
2	5352.2	51.08	32.03	-18.91	64.21	74.00	9.79	Vertical

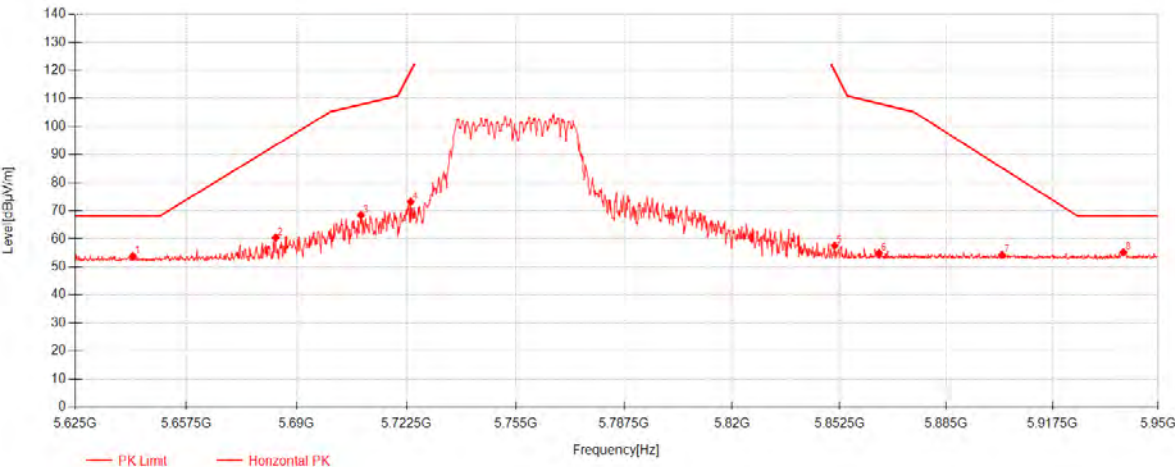
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.9	40.20	32.33	-18.72	53.80	68.30	14.50	Horizontal
2	5683.825	46.81	32.34	-18.73	60.42	93.37	32.95	Horizontal
3	5709.0125	54.89	32.34	-18.76	68.47	107.83	39.36	Horizontal
4	5723.8	59.63	32.34	-18.80	73.17	119.56	46.39	Horizontal
5	5851.0375	44.05	32.37	-18.88	57.54	119.93	62.39	Horizontal
6	5864.525	41.28	32.37	-18.84	54.81	108.23	53.42	Horizontal
7	5902.0625	40.56	32.38	-18.74	54.20	85.23	31.03	Horizontal
8	5939.275	41.56	32.39	-18.82	55.13	68.30	13.17	Horizontal

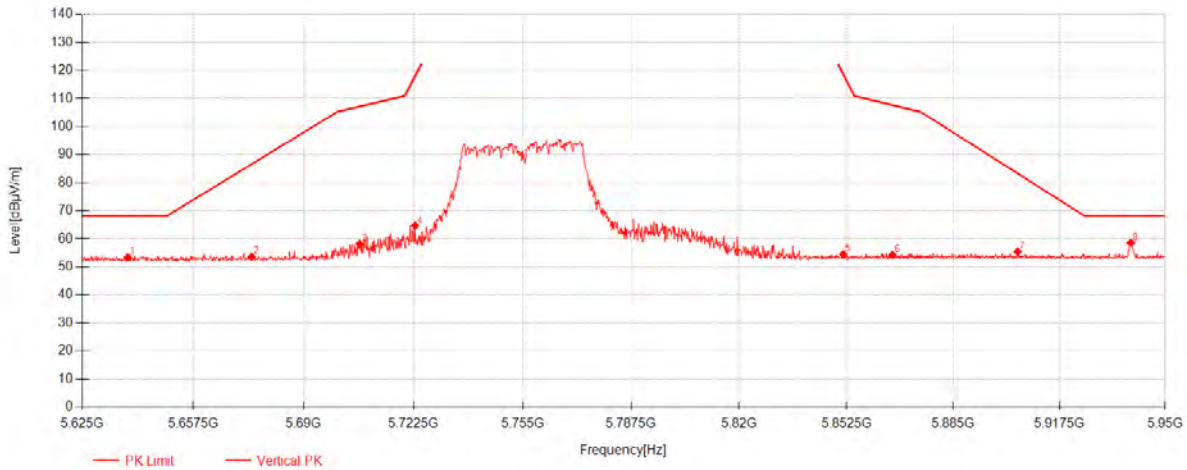
Compliance Certification Services (Kunshan) Inc.

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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5638.325	39.69	32.33	-18.72	53.29	68.30	15.01	Vertical
2	5674.725	39.99	32.33	-18.73	53.60	86.64	33.04	Vertical
3	5706.575	44.65	32.34	-18.75	58.24	107.14	48.90	Vertical
4	5722.9875	51.06	32.34	-18.80	64.61	117.71	53.10	Vertical
5	5851.525	41.00	32.37	-18.88	54.49	118.82	64.33	Vertical
6	5866.475	40.70	32.37	-18.84	54.24	107.68	53.44	Vertical
7	5904.6625	41.75	32.38	-18.75	55.38	83.31	27.93	Vertical
8	5939.4375	45.03	32.39	-18.82	58.60	68.30	9.70	Vertical

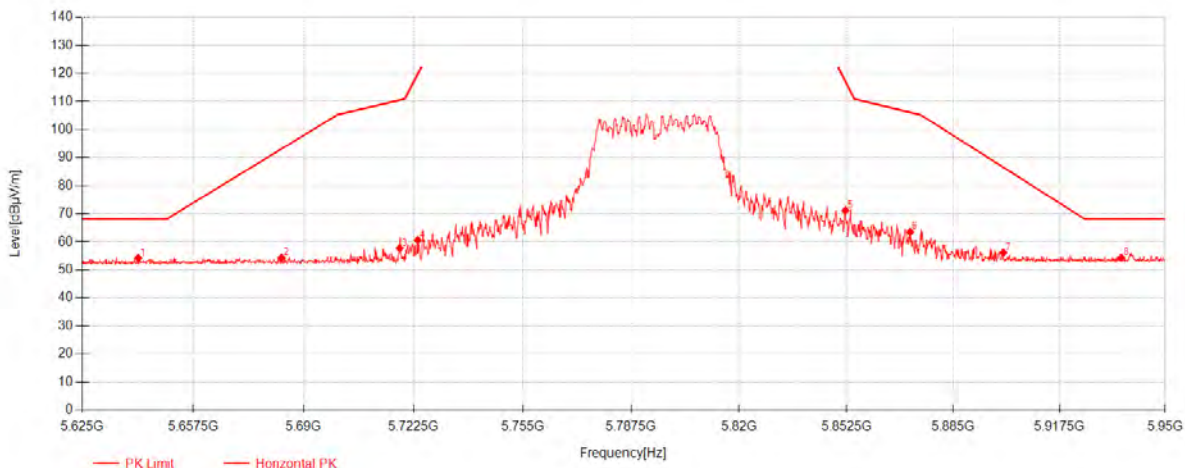
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.4125	40.56	32.33	-18.72	54.16	68.30	14.14	Horizontal
2	5683.5	40.62	32.34	-18.73	54.23	93.13	38.90	Horizontal
3	5718.4375	44.14	32.34	-18.79	57.70	110.46	52.76	Horizontal
4	5723.8	47.07	32.34	-18.80	60.61	119.56	58.95	Horizontal
5	5852.175	57.65	32.37	-18.88	71.14	117.34	46.20	Horizontal
6	5871.8375	49.93	32.37	-18.82	63.48	106.18	42.70	Horizontal
7	5900.275	42.45	32.38	-18.74	56.09	86.56	30.47	Horizontal
8	5936.5125	40.70	32.39	-18.82	54.27	68.30	14.03	Horizontal

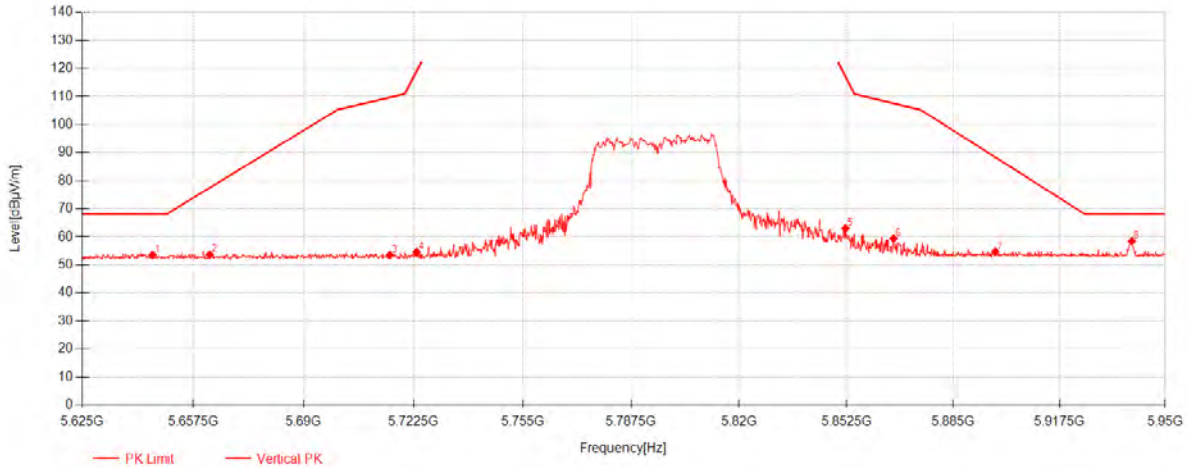
Compliance Certification Services (Kunshan) Inc.

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802.11ac40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5645.6375	39.93	32.33	-18.72	53.53	68.30	14.77	Vertical
2	5662.375	40.02	32.33	-18.73	53.63	77.49	23.86	Vertical
3	5715.5125	39.95	32.34	-18.78	53.52	109.65	56.13	Vertical
4	5723.475	41.02	32.34	-18.80	54.56	118.82	64.26	Vertical
5	5852.175	49.47	32.37	-18.88	62.96	117.34	54.38	Vertical
6	5866.8	45.88	32.37	-18.84	59.42	107.59	48.17	Vertical
7	5897.8375	41.06	32.38	-18.75	54.69	88.36	33.67	Vertical
8	5939.7625	44.88	32.39	-18.82	58.44	68.30	9.86	Vertical

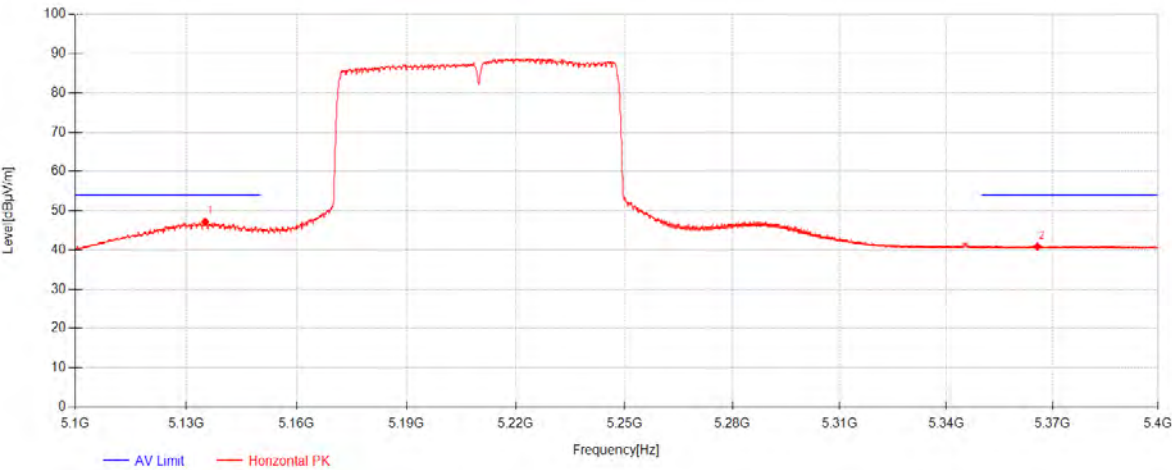
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 42



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5135.1467	34.67	31.64	-19.18	47.14	54.00	6.86	Horizontal
2	5365.7175	27.76	32.06	-18.94	40.88	54.00	13.12	Horizontal

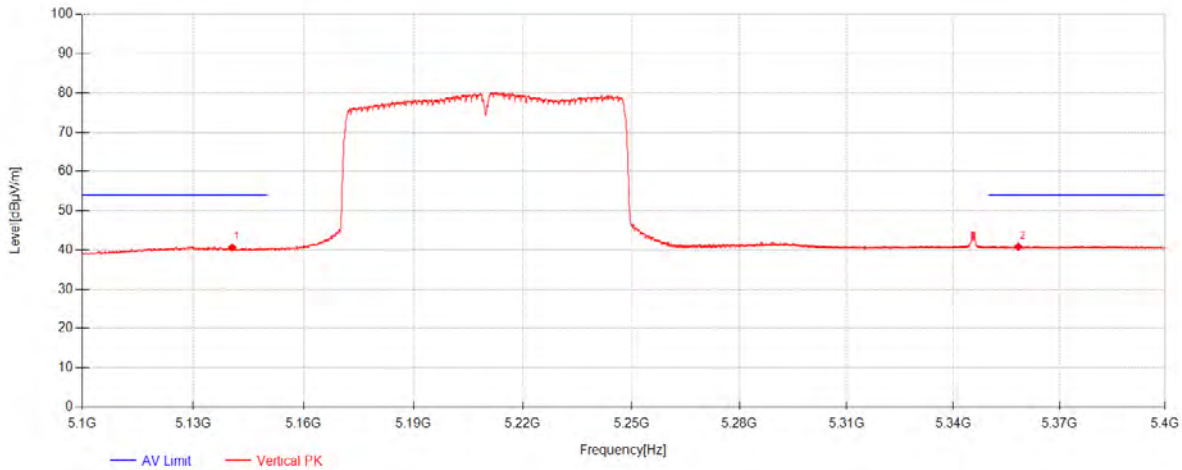
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 42



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5140.5867	28.15	31.65	-19.16	40.64	54.00	13.36	Vertical
2	5358.315	27.70	32.04	-18.92	40.83	54.00	13.17	Vertical

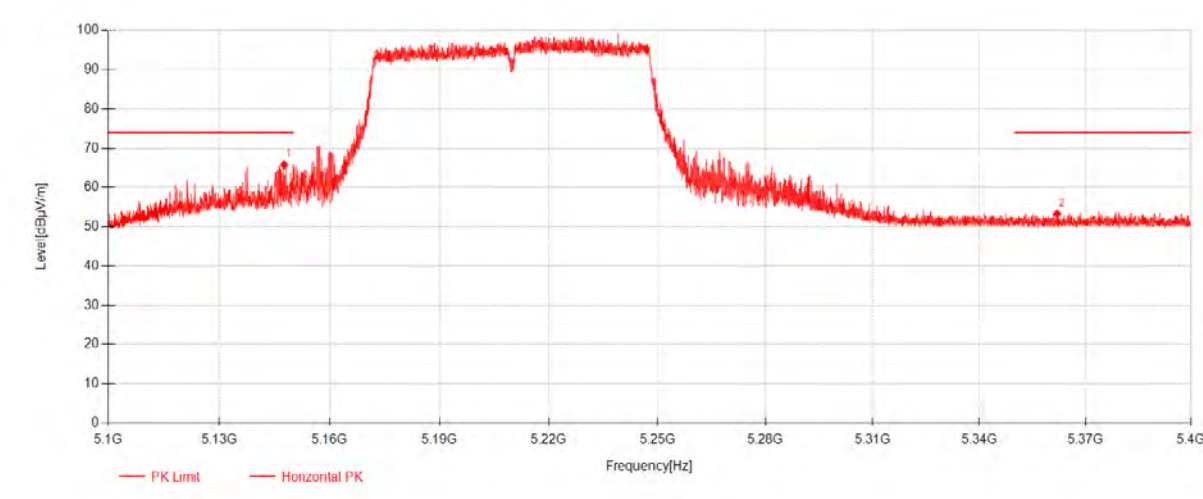
Compliance Certification Services (Kunshan) Inc.

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802.11ac80_Channel 42



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.62	53.23	31.67	-19.15	65.75	74.00	8.25	Horizontal
2	5361.9725	40.17	32.05	-18.93	53.29	74.00	20.71	Horizontal

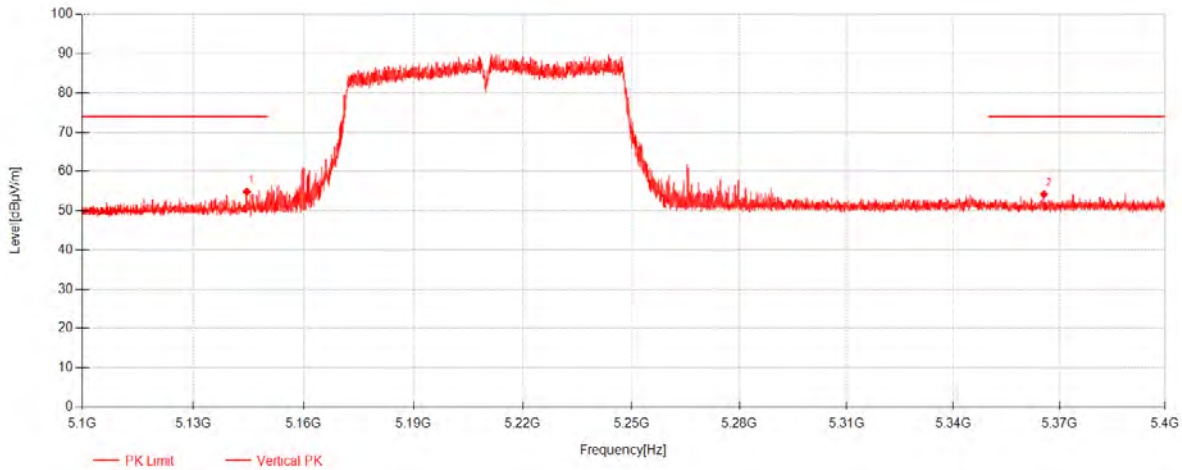
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.56	42.34	31.66	-19.15	54.85	74.00	19.15	Vertical
2	5365.595	41.06	32.06	-18.94	54.18	74.00	19.82	Vertical

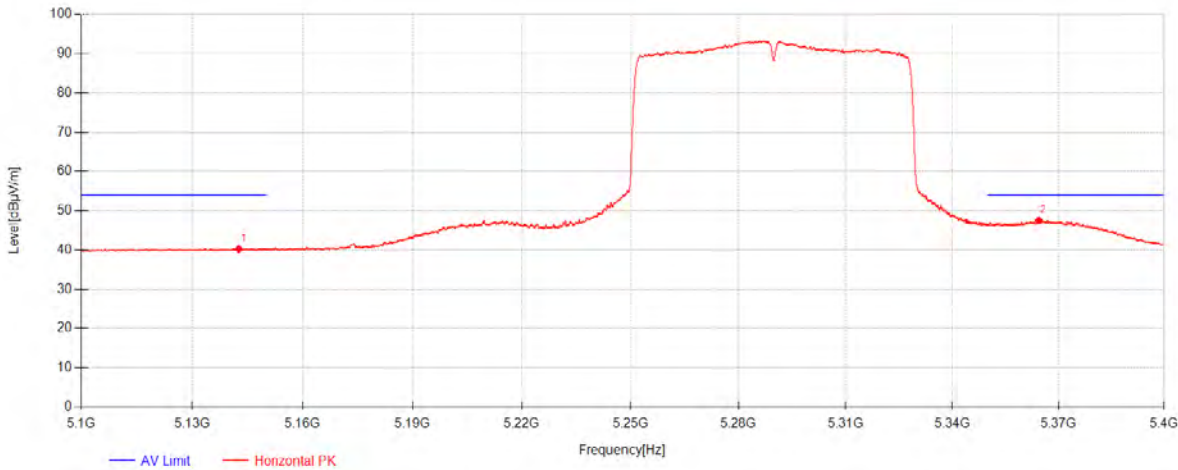
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5142.65	27.73	31.66	-19.16	40.23	54.00	13.77	Horizontal
2	5364.425	34.39	32.06	-18.93	47.51	54.00	6.49	Horizontal

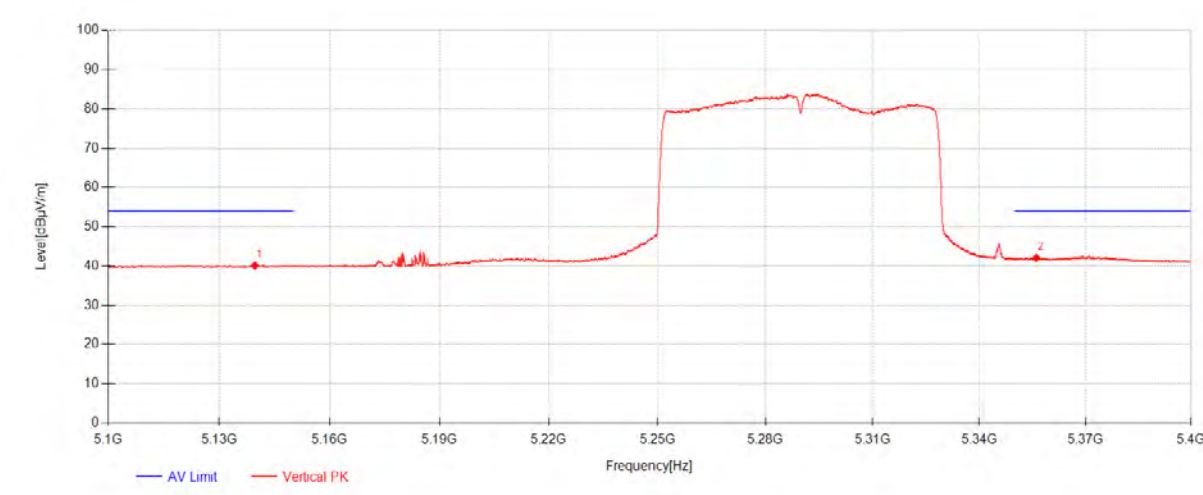
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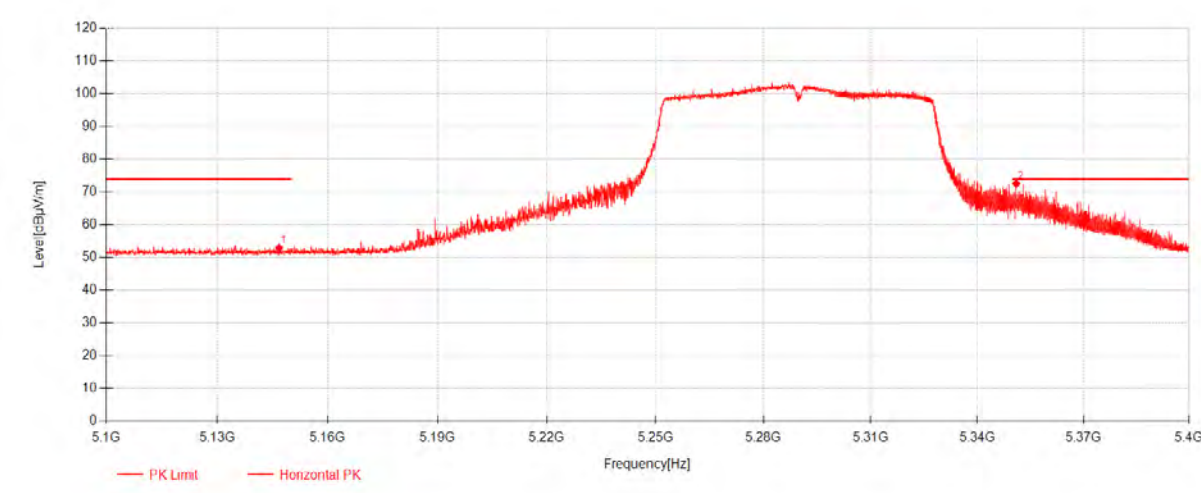
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5139.65	27.59	31.65	-19.16	40.08	54.00	13.92	Vertical
2	5356.075	28.98	32.04	-18.91	42.11	54.00	11.89	Vertical

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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.8	40.37	31.66	-19.15	52.89	74.00	21.11	Horizontal
2	5350.975	59.38	32.03	-18.90	72.51	74.00	1.49	Horizontal

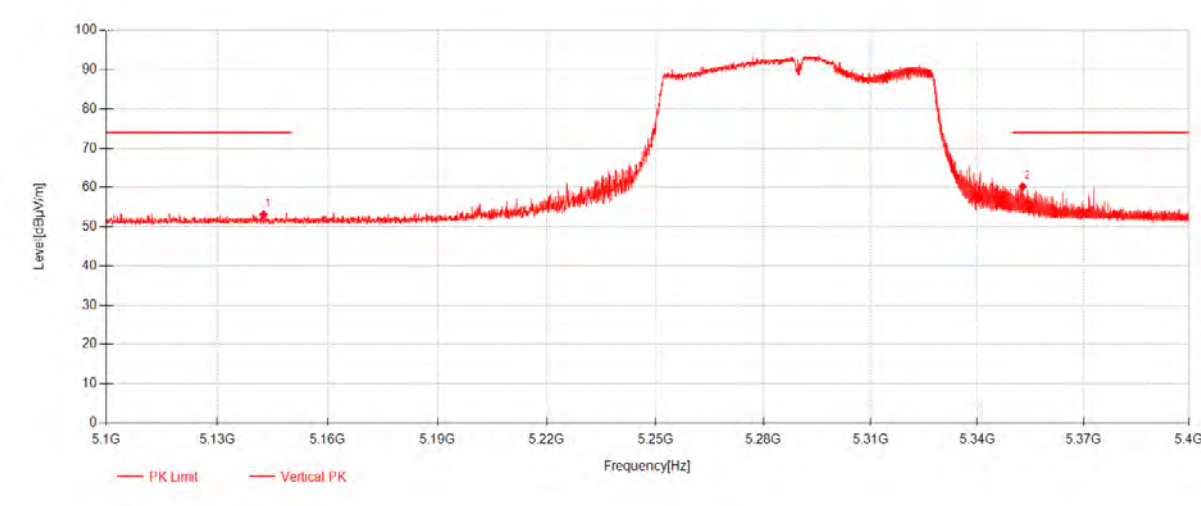
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5142.5333	40.59	31.66	-19.16	53.09	74.00	20.91	Vertical
2	5352.7625	47.07	32.03	-18.91	60.20	74.00	13.80	Vertical