



Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR240900172502

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TEST REPORT

Application No.: KSCR2409001725AT
FCC ID: 2BHGF-0211C6U3
IC: 32743-0211C6U3
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: KeyLife International Technology Limited
Address of Applicant: 27th Floor, Alexandra House, 18 Chater Road, Central, Hong Kong
Manufacturer: KeyLife International Technology Limited
Address of Manufacturer: 27th Floor, Alexandra House, 18 Chater Road, Central, Hong Kong
Factory: Zhejiang Uniview Systems Technology Co., Ltd.
Address of Factory: No.1277 South Qingfeng South Road, Tongxiang City, Jiaxing City, Zhejiang Province, China
Equipment Under Test (EUT):
EUT Name: Dual-cam Doorbell (wired)
Model No.: DB322, DB322 XXX XXX (where X may be 0-9 A-Z a-z or blank. The differences no impact safety related constructions and EMC) ♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
For IC Model No.: DB322
Standard(s) : 47 CFR Part 15, Subpart E 15.407
RSS-247 Issue 3, August 2023
RSS-Gen Issue 5 Amendment 2 (February 2021)
Date of Receipt: 2024-09-04
Date of Test: 2024-10-11 to 2024-10-17
Date of Issue: 2024-10-17

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

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



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Revision Record			
Version	Description	Date	Remark
00	Original	2024-10-17	/

Authorized for issue by:			
Tested By		Damon Zhou	
		Damon_Zhou/Project Engineer	
Approved By		Terry Hou	
		Terry Hou /Reviewer	



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2 Test Summary

Radio Spectrum Technical Requirement					
Item	FCC Requirement	IC Requirement	Method	Result	Test Lab*
Antenna Requirement	47 CFR Part 15, Subpart C 15.203	RSS-Gen Clause 6.8	N/A	Pass	N/A
Transmission in the Absence of Data	47 CFR Part 15, Subpart E 15.407 (c)	RSS-247 Section 6.4(a)	N/A	Pass	N/A

N/A: Not applicable

Radio Spectrum Matter Part					
Item	FCC Requirement	IC Requirement	Method	Result	Test Lab*
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(6)	RSS-Gen Section 8.8	ANSI C63.10 (2013) Section 6.2	Pass	B
99% Bandwidth	N/A	RSS-Gen Section 6.7	ANSI C63.10 Section 6.9.3	Pass	A
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1(1)	KDB 789033 D02 II C 1	Pass	A
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	47 CFR Part 15, Subpart E 15.407 (e)	RSS-247 Section 6.2.4	KDB 789033 D02 II C 2	Pass	A
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1&6.2.2&6.2.3&6.2.4	KDB 789033 D02 II E	Pass	A
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1&6.2.2&6.2.3&6.2.4	KDB 789033 D02 II F	Pass	A
Radiated Emissions	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass	B
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass	B
Frequency Stability	47 CFR Part 15, Subpart E 15.407 (g)	RSS-Gen Section 8.11	ANSI C63.10 (2013) Section 6.8& RSS-Gen Section 6.11	Pass	A
Channel Move Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Channel Closing Transmission Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Non-occupancy period	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A



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Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are identical in electrical and electronic characters. Only the model DB322 was tested since their differences were the model number, trade mark, color and appearance.



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4 General Information

4.1 Details of E.U.T.

Power supply:	AC 16-24V,50/60Hz,1A
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-2C: 5500-5700MHz (11 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-2C: 5510-5670MHz (5 Channels) U-NII-3: 5755-5795MHz (2 Channels)
Modulation Type:	802.11a/n/ac: OFDM, 802.11ax: OFDMA.
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n/ac/ax 40: 40MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	Internal Antenna
Antenna Gain:	0.8dBi (Provided by the manufacturer)
SN:	YF0211C6U3H240827002
Firmware Version:	IPC01SMR3M

Note: 5600MHz to 5650MHz band can not be operated in Canada.



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4.2 Power level setting using in test

Channel	802.11a	802.11ac(VHT20)	802.11ax(HEW20)
	Ant 1	Ant 2	Ant 1
36	17	17	16
40	18	18	17
48	19	19	19
52	19	19	19
60	19	19	19
64	19	19	19
100	20	19	19
116	19	18	18
140	17	16	16
149	16	16	16
157	17	17	17
165	17	17	17
Channel	802.11ac(VHT40)	802.11ax(HEW40)	
	Ant 1	Ant 1	
38	18	17	
46	18	20	
54	19	19	
62	19	19	
102	18	17	
110	17	16	
134	15	14	
151	16	16	
159	17	17	

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Notebook	Lenovo	/	/
AC Adapter	/	/	/



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 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

Post code: 215122

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

Lab A:

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

- **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	08/01/2024	07/31/2025
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/01/2024	07/31/2025
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	08/02/2024	08/01/2025
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/01/2024	07/31/2025
7	Signal Generator	Agilent	E8257C	KS301066	08/06/2024	08/05/2025
8	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/01/2024	07/31/2025
9	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	03/19/2024	03/18/2025
10	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/12/2024	08/11/2025
11	Switcher	TST	FY562	KUS2001M001-4	01/15/2024	01/14/2025
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111- CZ301120	01/15/2024	01/14/2025
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	08/26/2024	08/25/2025
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	03/19/2024	03/18/2025
15	Software	BST	TST-PASS	/	NCR	NCR



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Lab B:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emissions at AC Power Line						
1	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2/1/2024	1/31/2025
2	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	9/13/2024	9/12/2025
3	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/4/2024	2/3/2025
4	Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2/4/2024	2/3/2025
5	Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2/4/2024	2/3/2025
6	Measurement Software	Tonscend	JS32-CE	SUWI-02-09-05	NCR	NCR

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
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



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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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is Internal Antenna and no consideration of replacement. The best case gain of the Antenna 1 is 0.8dBi.

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.



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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(dB μ V)	
	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: 20.8 °C

Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	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 f only the data of worst case is recorded in the report.

Remark: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{LISN Factor}$

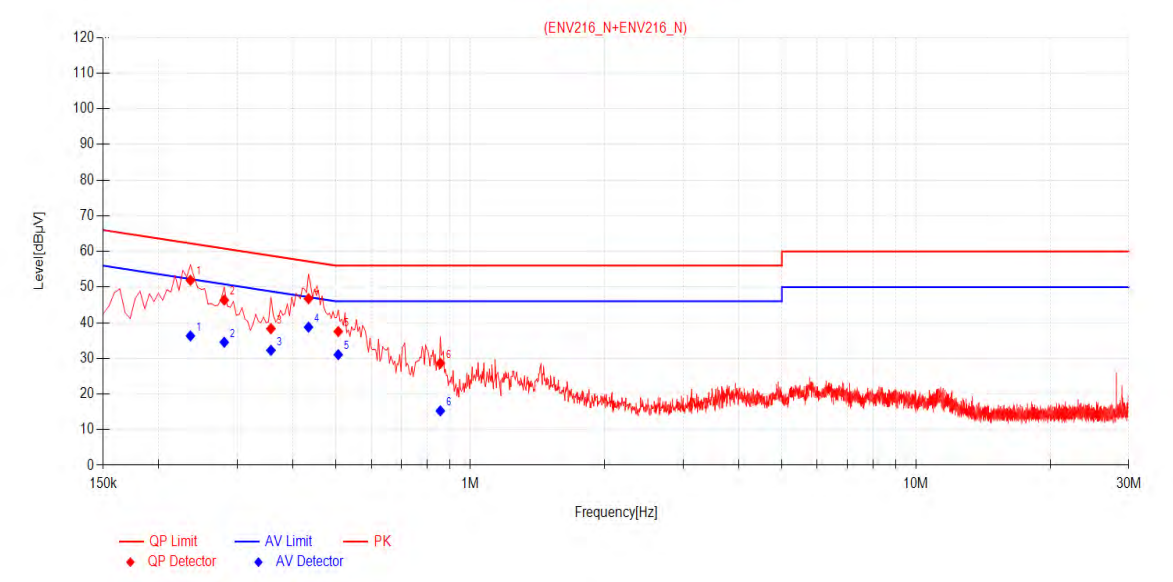


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Test Mode: 03; Line: Neutral Line



Final Data List											
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	0.2355	10.16	41.74	51.90	62.25	10.35	26.13	36.29	52.25	15.96	PASS
2	0.2805	10.15	36.20	46.35	60.80	14.45	24.37	34.52	50.80	16.28	PASS
3	0.3570	10.16	28.16	38.32	58.80	20.48	22.10	32.26	48.80	16.54	PASS
4	0.4335	10.16	36.57	46.73	57.19	10.46	28.60	38.76	47.19	8.43	PASS
5	0.5055	10.17	27.36	37.53	56.00	18.47	20.85	31.02	46.00	14.98	PASS
6	0.8565	10.14	18.50	28.64	56.00	27.36	5.13	15.27	46.00	30.73	PASS

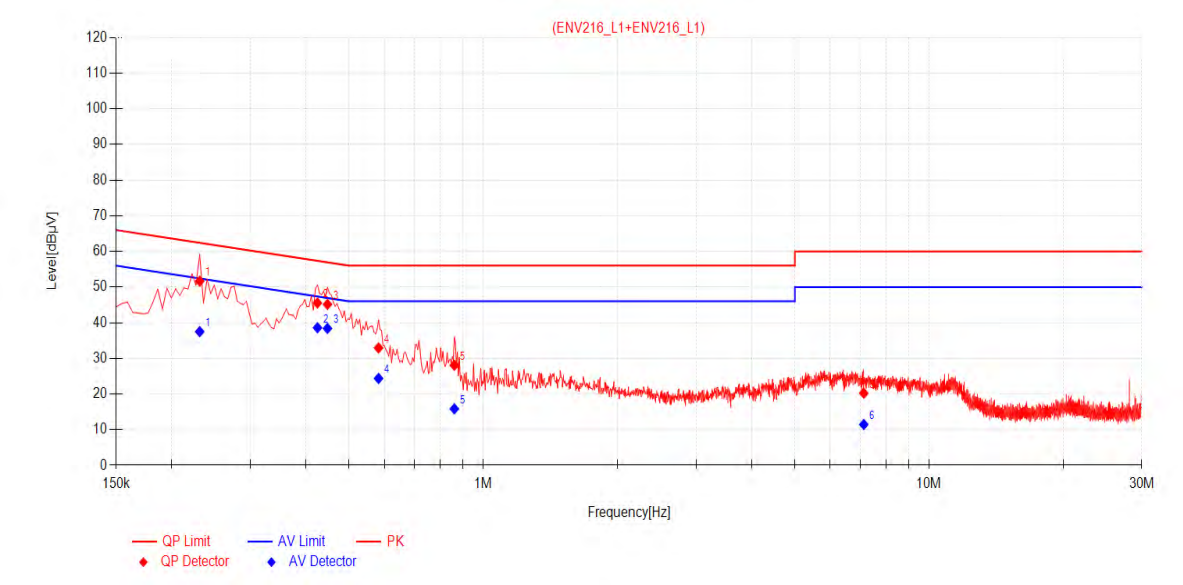


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Test Mode: 03; Line: Live Line



Final Data List											
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	41.49	51.66	62.41	10.75	27.33	37.50	52.41	14.91	PASS
2	0.4245	10.17	35.35	45.52	57.36	11.84	28.43	38.60	47.36	8.76	PASS
3	0.4470	10.17	34.97	45.14	56.93	11.79	28.23	38.40	46.93	8.53	PASS
4	0.5820	10.19	22.75	32.94	56.00	23.06	14.18	24.37	46.00	21.63	PASS
5	0.8610	10.13	17.91	28.04	56.00	27.96	5.71	15.84	46.00	30.16	PASS
6	7.1385	10.11	10.13	20.24	60.00	39.76	1.35	11.46	50.00	38.54	PASS



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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	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
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: 20.8 °C

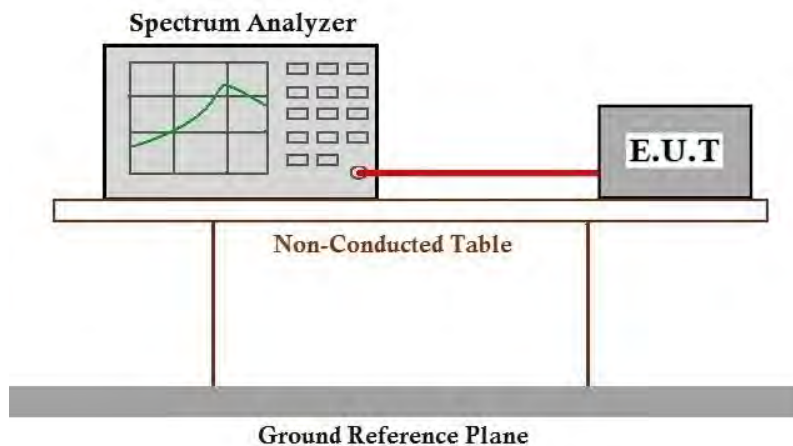
Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	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 f only the data of worst case is recorded in the report.
Final test	04	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 only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	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 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



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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: 25.2 °C

Humidity: 45.3 % RH

Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 only the data of worst case is recorded in the report.



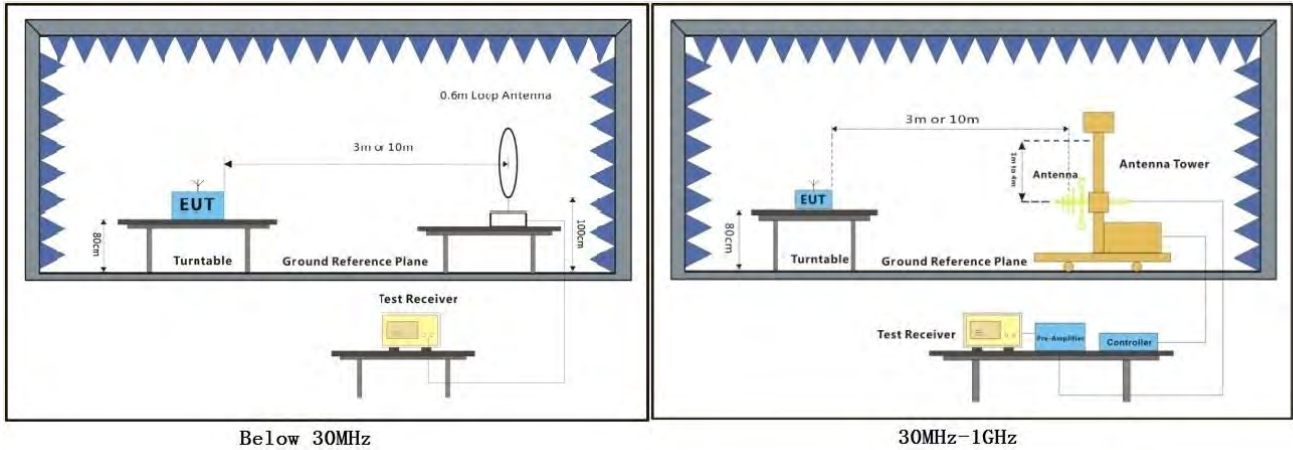
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7.3.3 Test Setup Diagram



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.

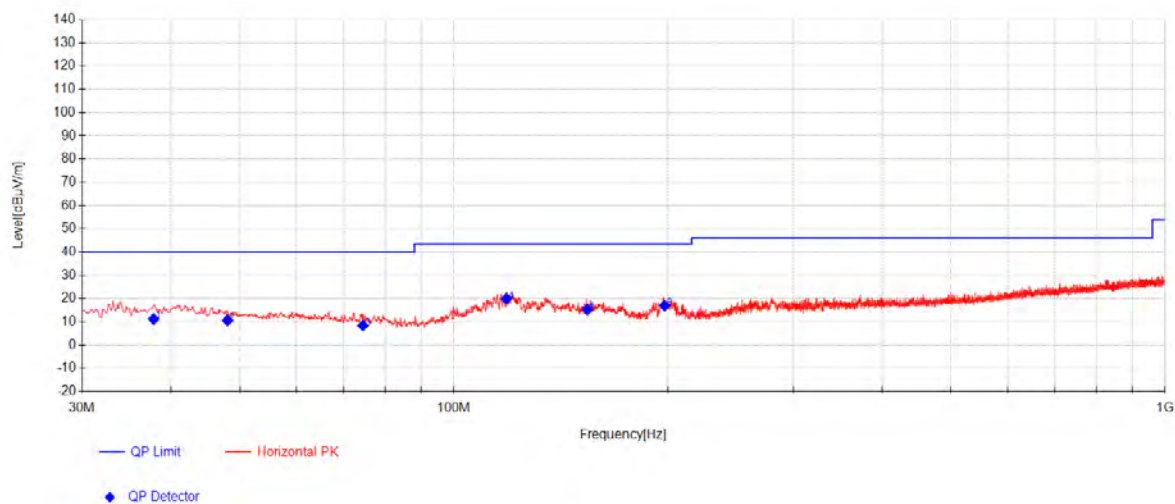
Remark:

1. $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$
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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11ax40 Channel 46



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	37.8195	26.63	-34.00	18.59	11.22	40.00	28.78	Horizontal
2	48.0485	25.85	-33.98	18.80	10.67	40.00	29.33	Horizontal
3	74.4945	26.47	-33.70	15.65	8.42	40.00	31.58	Horizontal
4	118.5067	36.70	-33.35	16.58	19.93	43.50	23.57	Horizontal
5	153.9997	29.67	-33.14	18.67	15.20	43.50	28.30	Horizontal
6	197.8176	34.41	-32.75	15.23	16.89	43.50	26.61	Horizontal

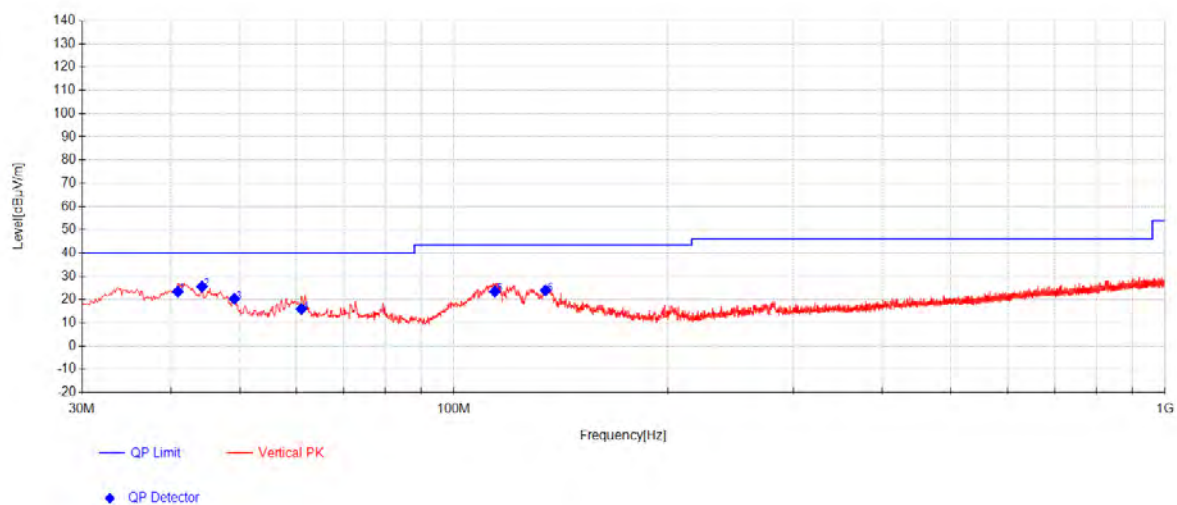


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11ax40 Channel 46



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	40.9134	38.58	-33.99	18.80	23.39	40.00	16.61	Vertical
2	44.2274	40.70	-33.99	18.82	25.53	40.00	14.47	Vertical
3	49.1347	35.62	-33.98	18.77	20.41	40.00	19.59	Vertical
4	61.0253	32.24	-33.85	17.48	15.87	40.00	24.13	Vertical
5	114.1844	41.10	-33.37	15.71	23.44	43.50	20.06	Vertical
6	134.5090	38.87	-33.27	18.32	23.92	43.50	19.58	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: 25.2 °C

Humidity: 45.3 % RH

Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	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 f only the data of worst case is recorded in the report.
Final test	04	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 only the data of worst case is recorded in the report.



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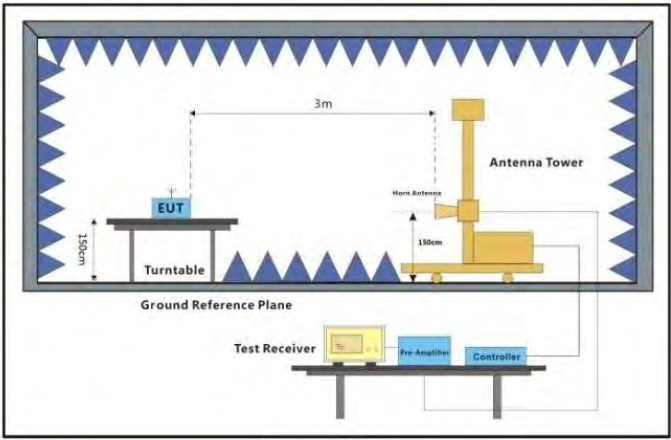
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Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



Above 1GHz

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.

Note:

1. 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.
2. 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.

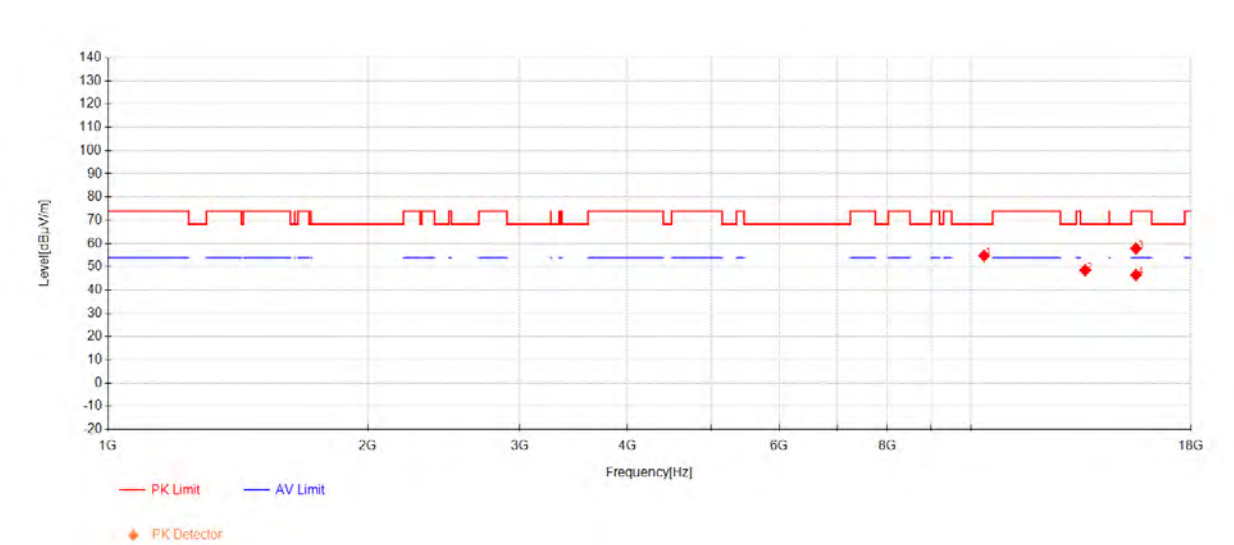


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802.11a Channel 36

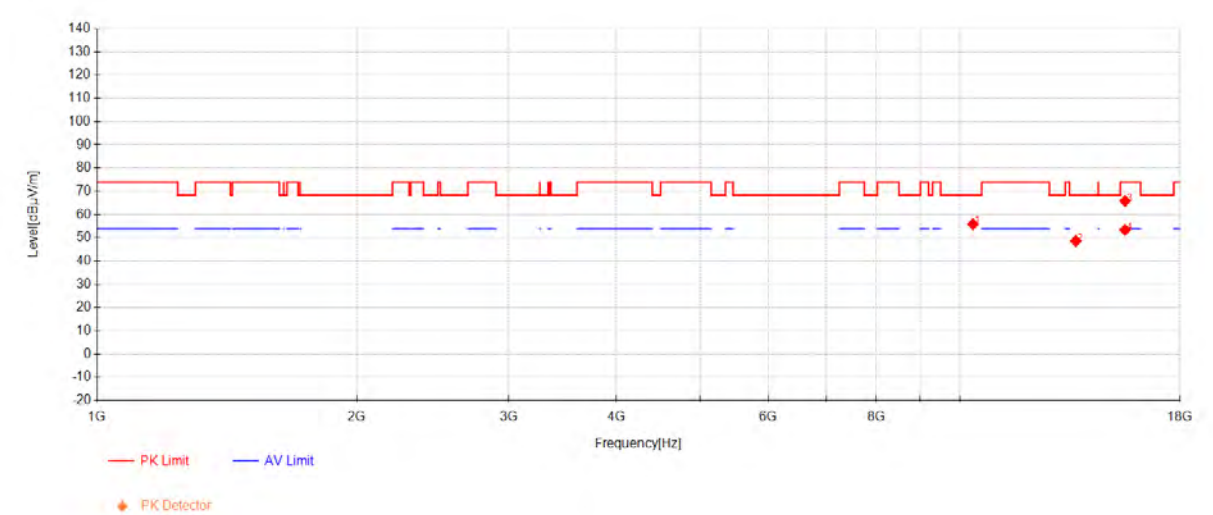


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10360.833	48.22	38.08	-31.48	54.82	68.30	13.48	Horizontal
2	13566.25	36.75	40.00	-28.29	48.46	68.30	19.84	Horizontal
3	15535.833	46.35	39.08	-27.59	57.84	74.00	16.16	Horizontal
4	15535.833	34.97	39.08	-27.59	46.46	54.00	7.54	Horizontal



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802.11a Channel 36



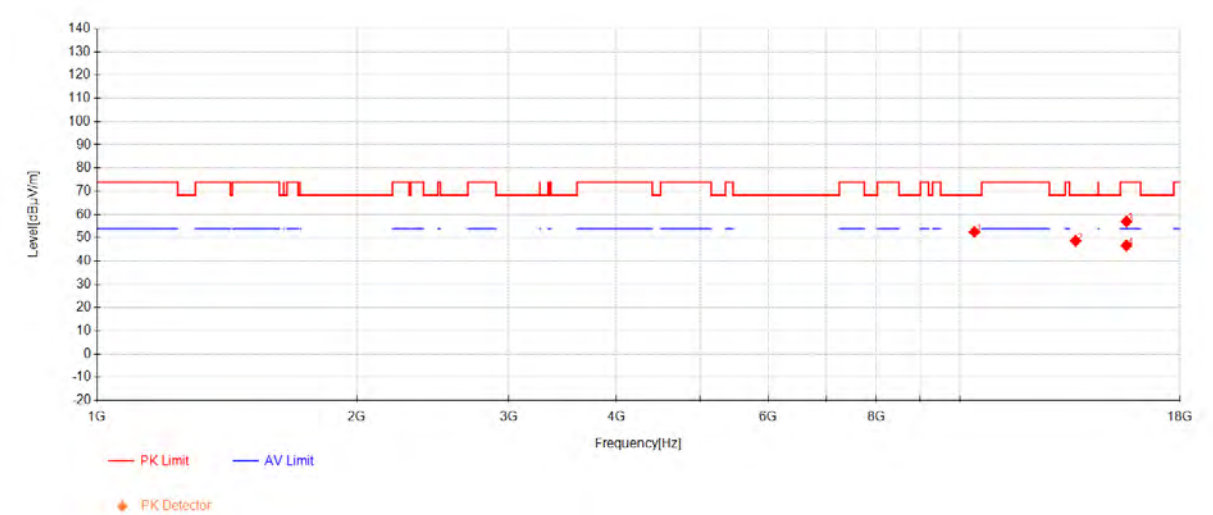
Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10357.5	49.30	38.08	-31.50	55.87	68.30	12.43	Vertical
2	13627.916	36.61	40.04	-28.09	48.56	68.30	19.74	Vertical
3	15542.083	54.37	39.07	-27.58	65.86	74.00	8.14	Vertical
4	15540	41.88	39.07	-27.58	53.37	54.00	0.63	Vertical



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802.11a Channel 40

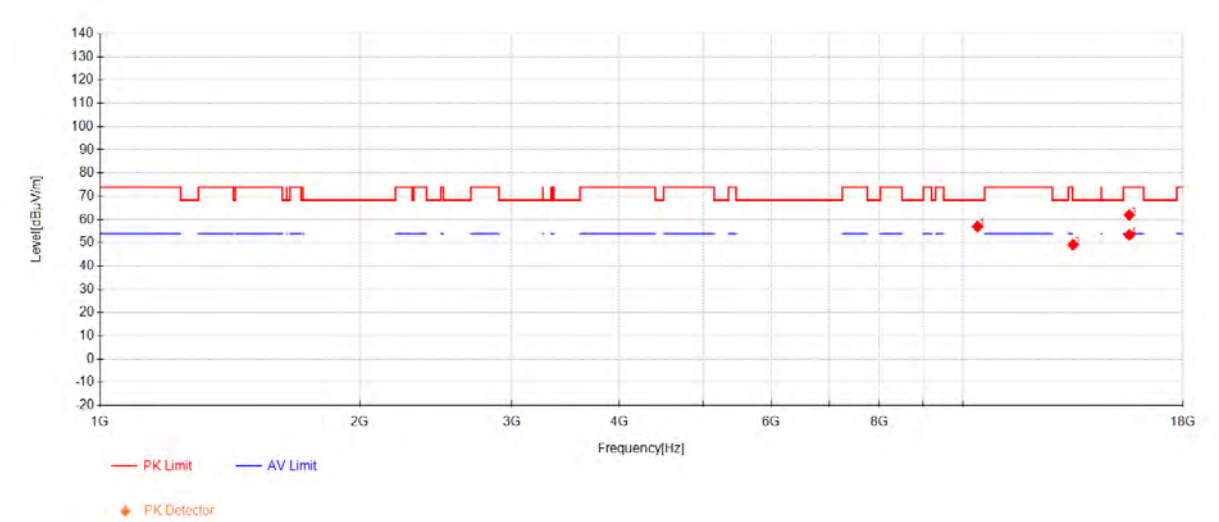


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10395	45.62	38.10	-31.20	52.52	68.30	15.78	Horizontal
2	13617.5	36.51	40.03	-27.92	48.62	68.30	19.68	Horizontal
3	15602.083	45.52	38.96	-27.46	57.02	74.00	16.98	Horizontal
4	15595.833	35.13	38.97	-27.46	46.64	54.00	7.36	Horizontal



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802.11a Channel 40

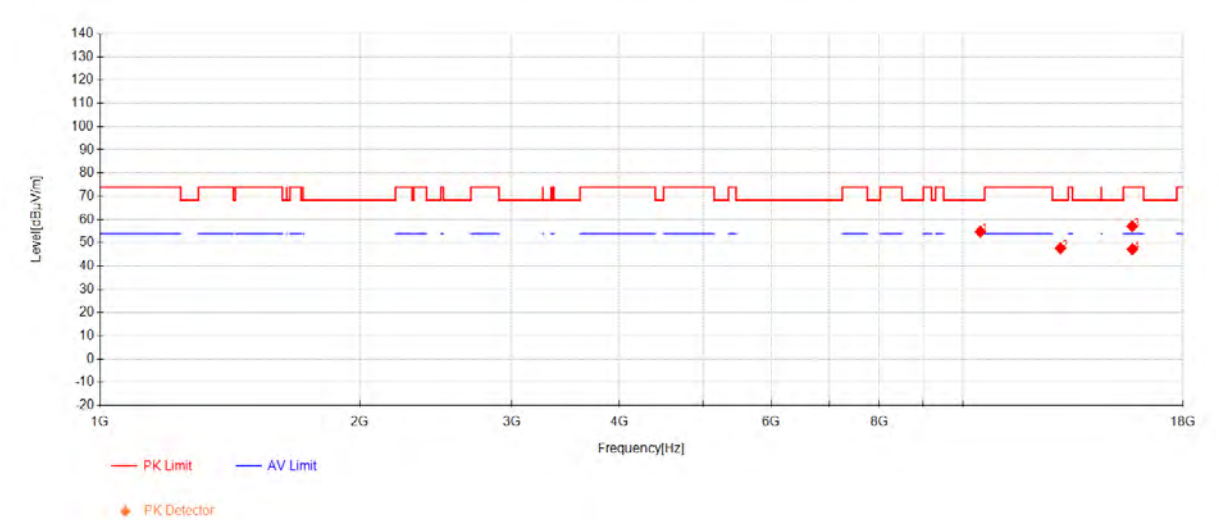


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10400	50.04	38.10	-31.16	56.98	68.30	11.32	Vertical
2	13419.166	38.23	39.89	-29.03	49.09	68.30	19.21	Vertical
3	15589.583	50.41	38.98	-27.47	61.92	74.00	12.08	Vertical
4	15594.166	41.82	38.97	-27.46	53.33	54.00	0.67	Vertical



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802.11a Channel 48

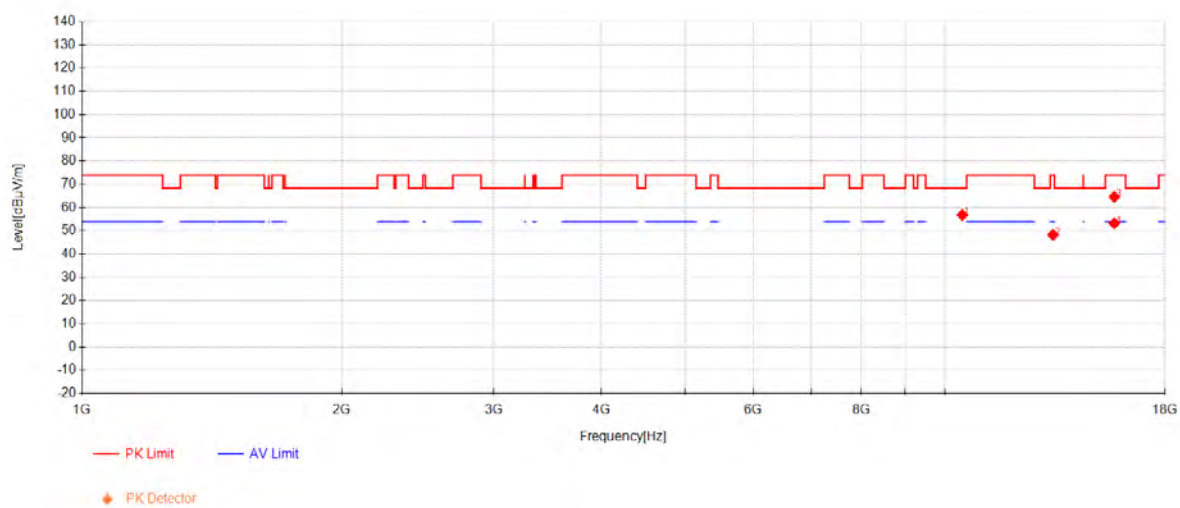


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10476.25	47.74	38.14	-31.06	54.82	68.30	13.48	Horizontal
2	12975.833	37.79	39.57	-29.75	47.61	68.30	20.69	Horizontal
3	15714.166	46.20	38.74	-27.82	57.12	74.00	16.88	Horizontal
4	15721.25	36.24	38.73	-27.76	47.21	54.00	6.79	Horizontal



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802.11a Channel 48

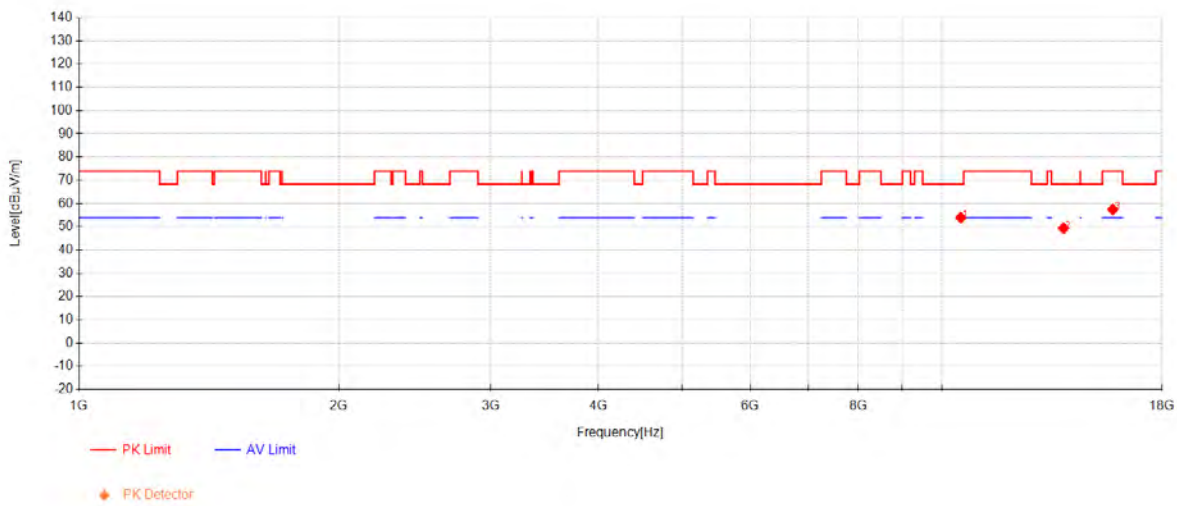


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10477.083	49.73	38.14	-31.06	56.81	68.30	11.49	Vertical
2	13347.083	37.54	39.84	-29.18	48.20	74.00	25.80	Vertical
3	15717.916	53.68	38.74	-27.79	64.63	74.00	9.37	Vertical
4	15718.333	42.26	38.74	-27.79	53.21	54.00	0.79	Vertical



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802.11a Channel 52

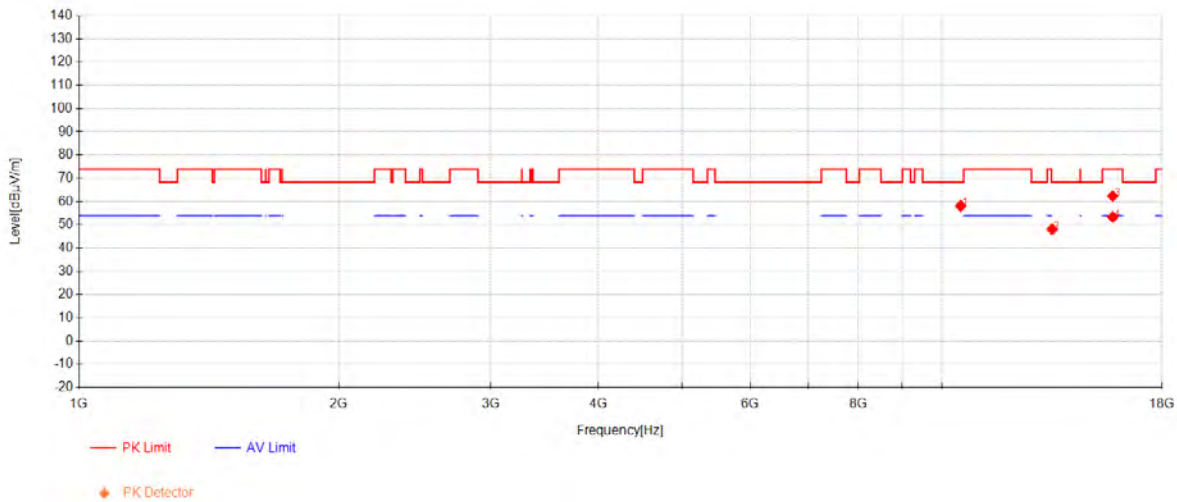


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10520	46.86	38.16	-31.06	53.96	68.30	14.34	Horizontal
2	13836.666	38.08	40.19	-28.95	49.32	68.30	18.98	Horizontal
3	15780	46.04	38.62	-27.23	57.43	74.00	16.57	Horizontal



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802.11a Channel 52

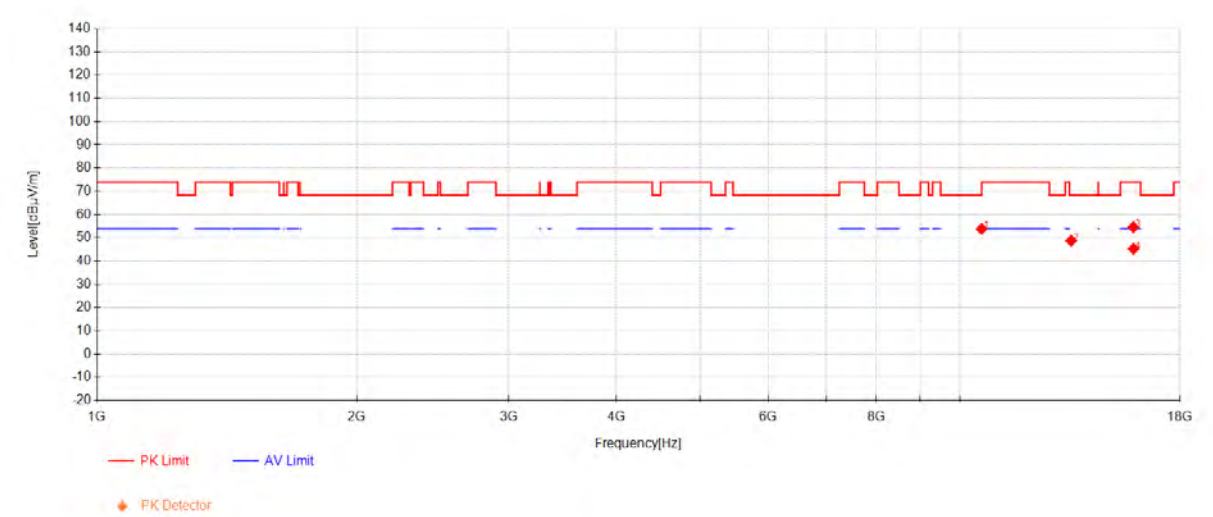


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10516.25	51.00	38.16	-31.06	58.10	68.30	10.20	Vertical
2	13421.666	37.17	39.90	-29.05	48.02	68.30	20.28	Vertical
3	15777.083	50.99	38.62	-27.26	62.36	74.00	11.64	Vertical
4	15778.75	41.94	38.62	-27.24	53.32	54.00	0.68	Vertical



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802.11a Channel 60

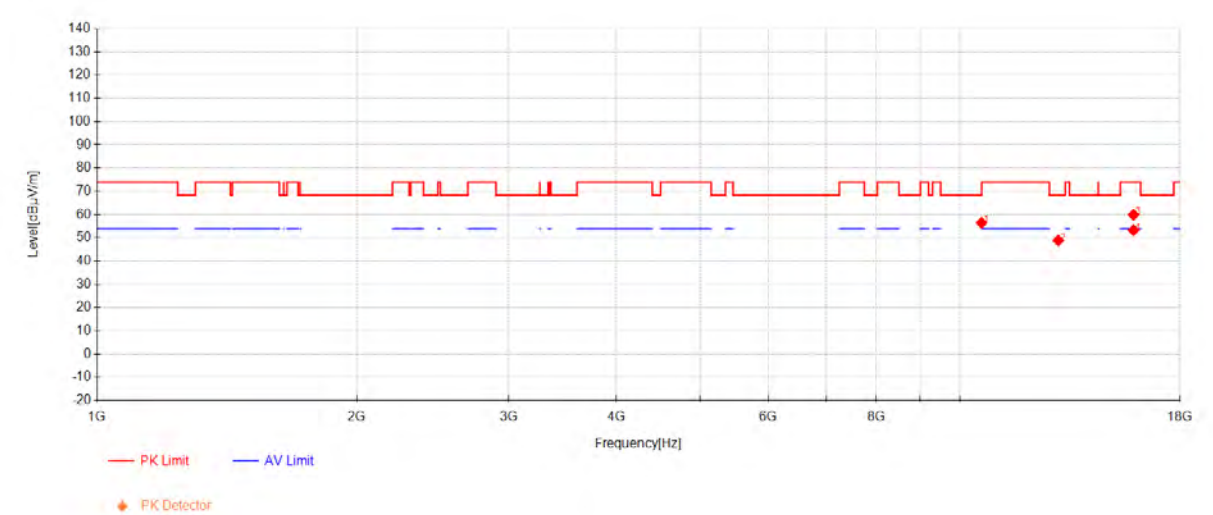


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10597.916	46.85	38.20	-31.20	53.85	68.30	14.45	Horizontal
2	13460	38.10	39.92	-29.29	48.73	68.30	19.57	Horizontal
3	15890.416	43.65	38.41	-27.44	54.62	74.00	19.38	Horizontal
4	15895.833	34.32	38.40	-27.46	45.26	54.00	8.74	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 60

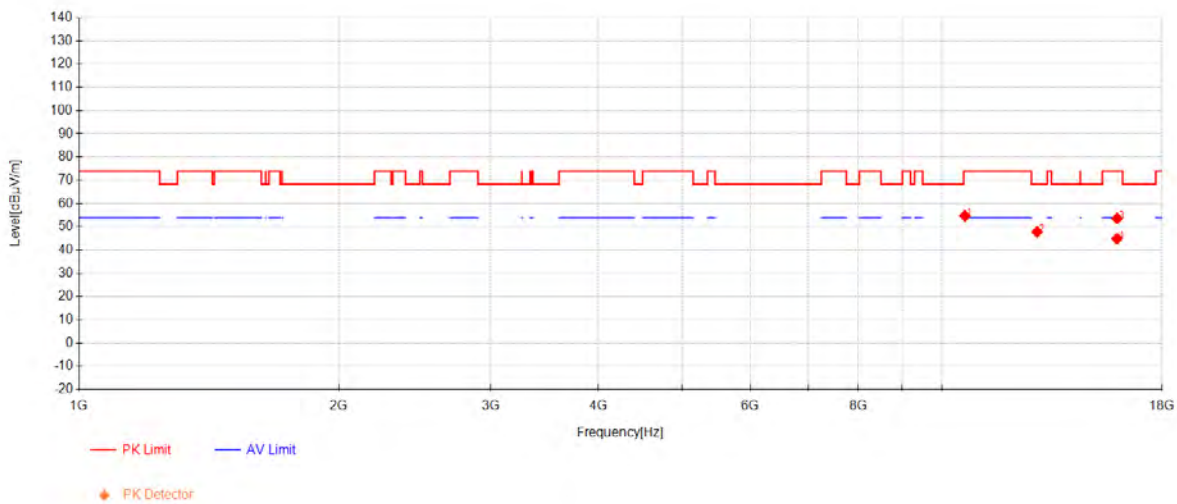


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10597.083	49.44	38.20	-31.20	56.44	68.30	11.86	Vertical
2	13004.583	39.04	39.60	-29.82	48.83	68.30	19.47	Vertical
3	15895.416	48.92	38.40	-27.46	59.86	74.00	14.14	Vertical
4	15895.833	42.32	38.40	-27.46	53.26	54.00	0.74	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 64

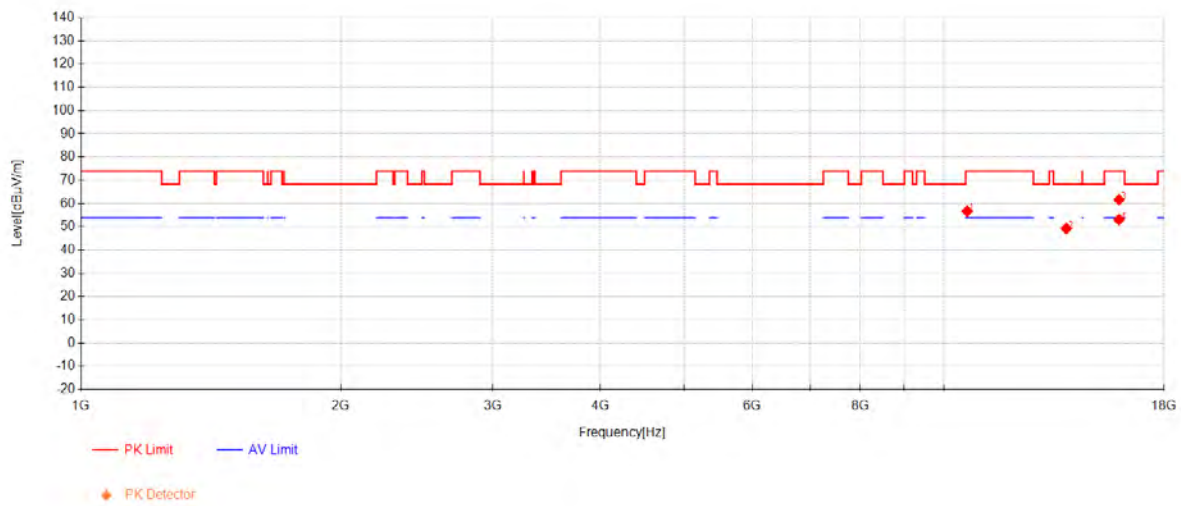


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10635.833	47.39	38.22	-30.88	54.73	74.00	19.27	Horizontal
2	12895	37.74	39.47	-29.43	47.79	68.30	20.51	Horizontal
3	15963.75	42.77	38.27	-27.45	53.59	74.00	20.41	Horizontal
4	15957.5	34.04	38.28	-27.45	44.87	54.00	9.13	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 64

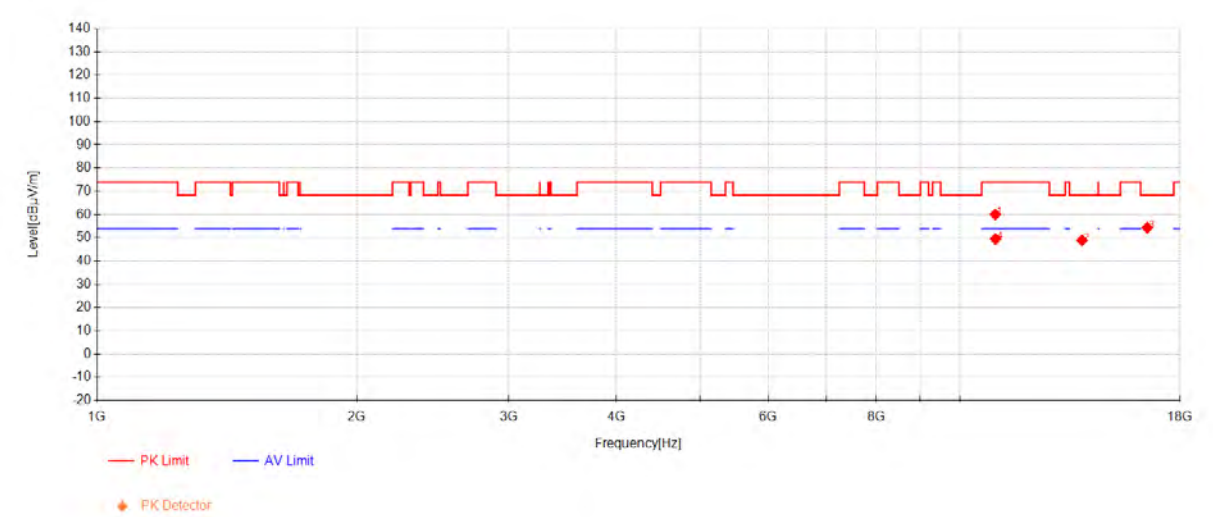


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10642.083	49.27	38.22	-30.82	56.67	74.00	17.33	Vertical
2	13865	37.70	40.21	-28.71	49.20	68.30	19.10	Vertical
3	15960.416	50.82	38.28	-27.45	61.65	74.00	12.35	Vertical
4	15958.75	42.26	38.28	-27.45	53.09	54.00	0.91	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 100

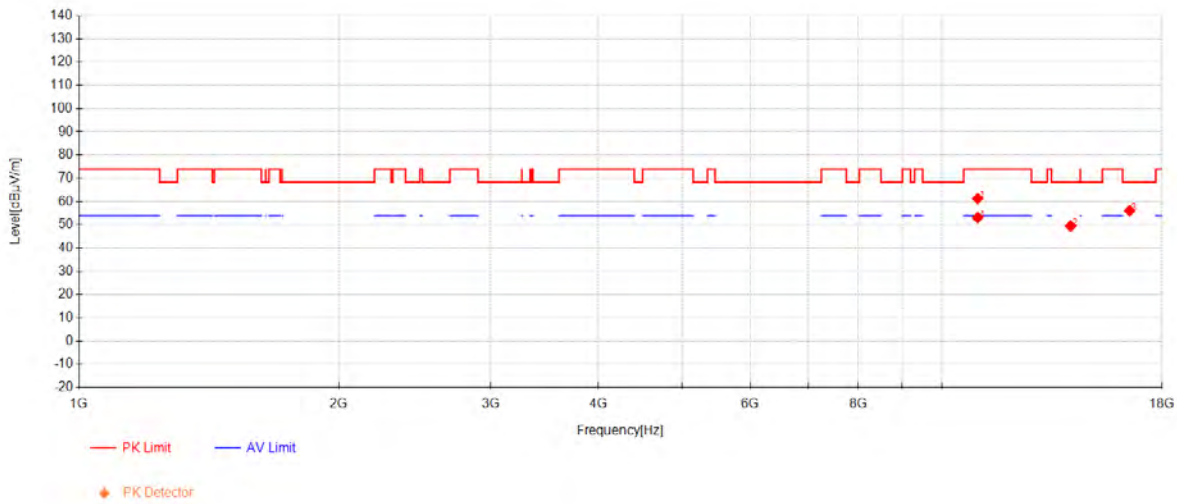


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10993.333	52.11	38.40	-30.49	60.01	74.00	13.99	Horizontal
2	13854.166	37.47	40.20	-28.80	48.87	68.30	19.43	Horizontal
3	16492.083	42.41	38.54	-26.59	54.36	68.30	13.94	Horizontal
4	10999.583	41.52	38.40	-30.50	49.42	54.00	4.58	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 100

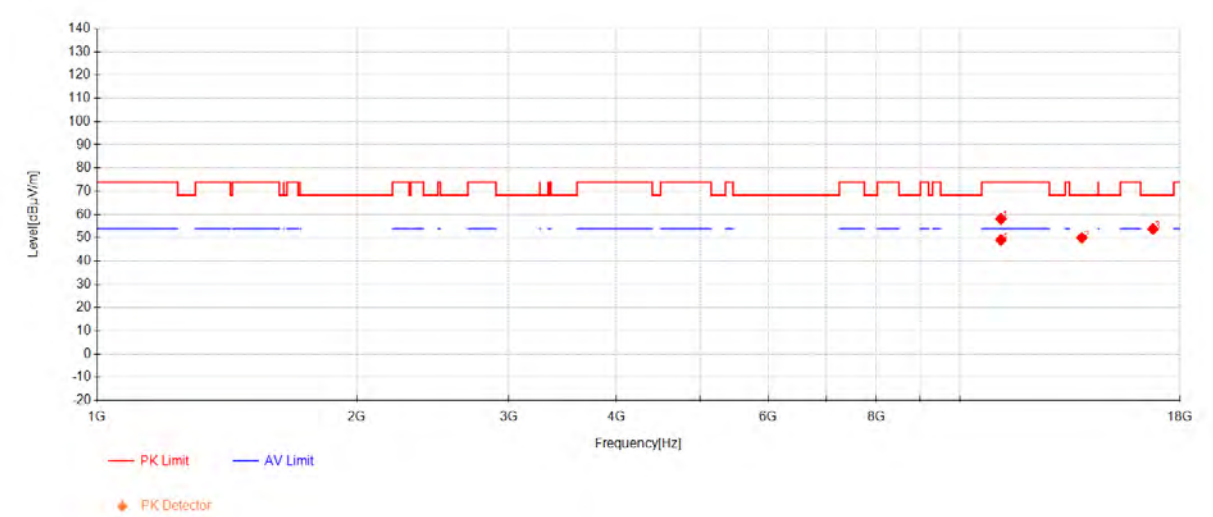


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11002.916	53.39	38.40	-30.49	61.30	74.00	12.70	Vertical
2	14100.416	38.09	40.28	-28.94	49.43	68.30	18.87	Vertical
3	16508.333	44.09	38.56	-26.59	56.06	68.30	12.24	Vertical
4	11002.5	45.18	38.40	-30.50	53.08	54.00	0.92	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 116

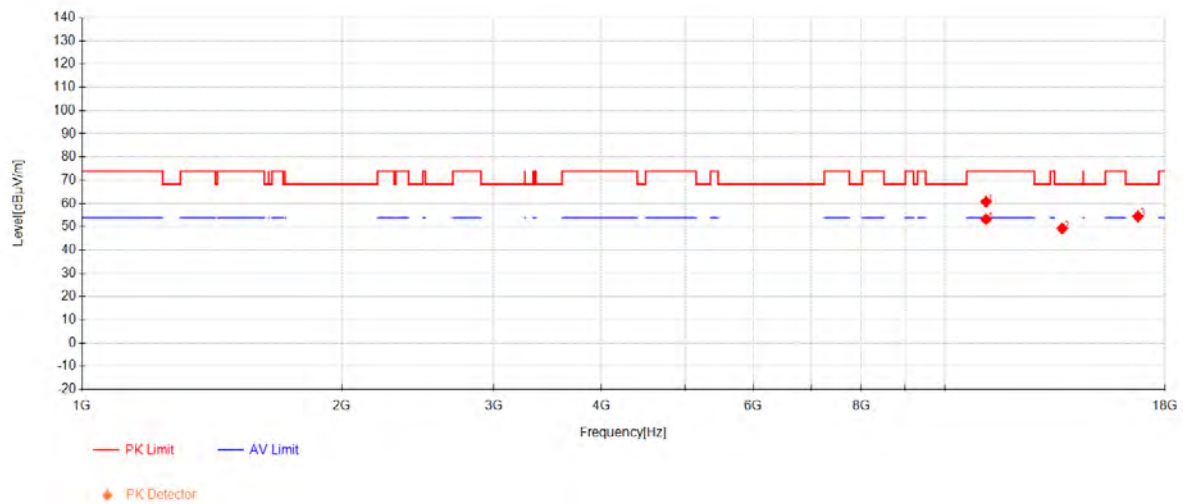


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11158.75	49.81	38.40	-30.11	58.10	74.00	15.90	Horizontal
2	13847.916	38.65	40.19	-28.85	49.99	68.30	18.31	Horizontal
3	16746.25	41.55	38.72	-26.48	53.80	68.30	14.50	Horizontal
4	11158.75	40.71	38.40	-30.11	49.00	54.00	5.00	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 116

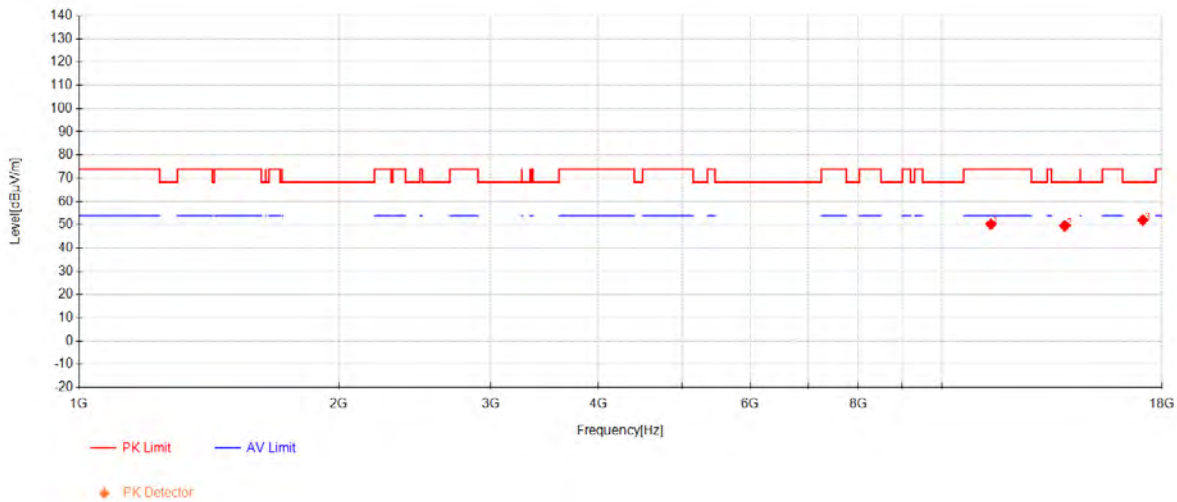


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11160.833	52.44	38.40	-30.10	60.74	74.00	13.26	Vertical
2	13676.666	37.97	40.07	-28.85	49.20	68.30	19.10	Vertical
3	16742.083	42.27	38.72	-26.50	54.49	68.30	13.81	Vertical
4	11160.833	44.92	38.40	-30.10	53.22	54.00	0.78	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 140

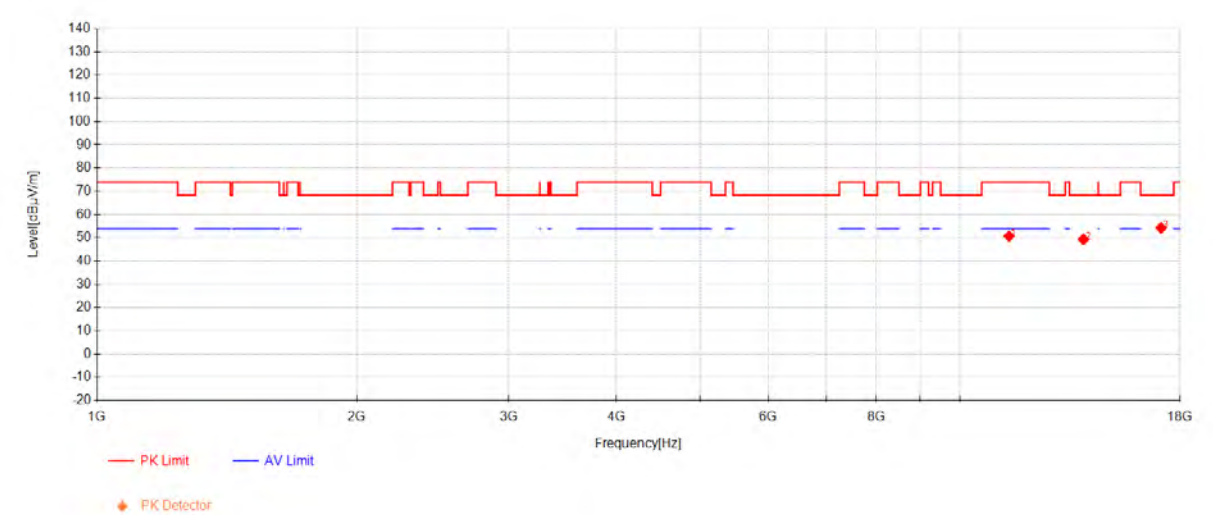


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11400.416	41.71	38.40	-29.86	50.25	74.00	23.75	Horizontal
2	13883.333	37.86	40.22	-28.55	49.53	68.30	18.77	Horizontal
3	17098.75	38.84	39.14	-25.98	52.00	68.30	16.30	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 140

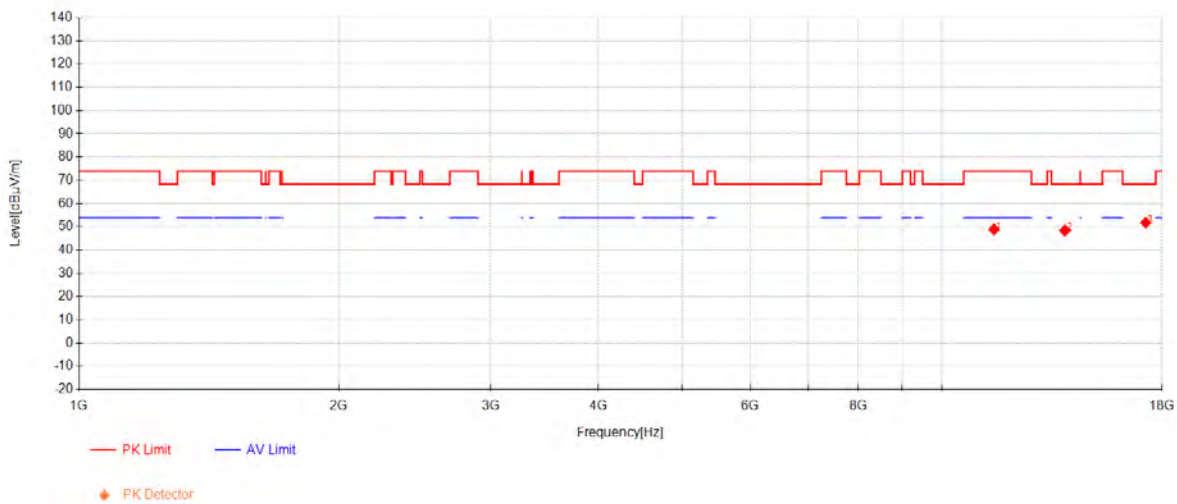


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11404.166	42.15	38.40	-29.87	50.68	74.00	23.32	Vertical
2	13908.75	37.52	40.24	-28.53	49.23	68.30	19.07	Vertical
3	17110.833	40.97	39.17	-25.86	54.27	68.30	14.03	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 149

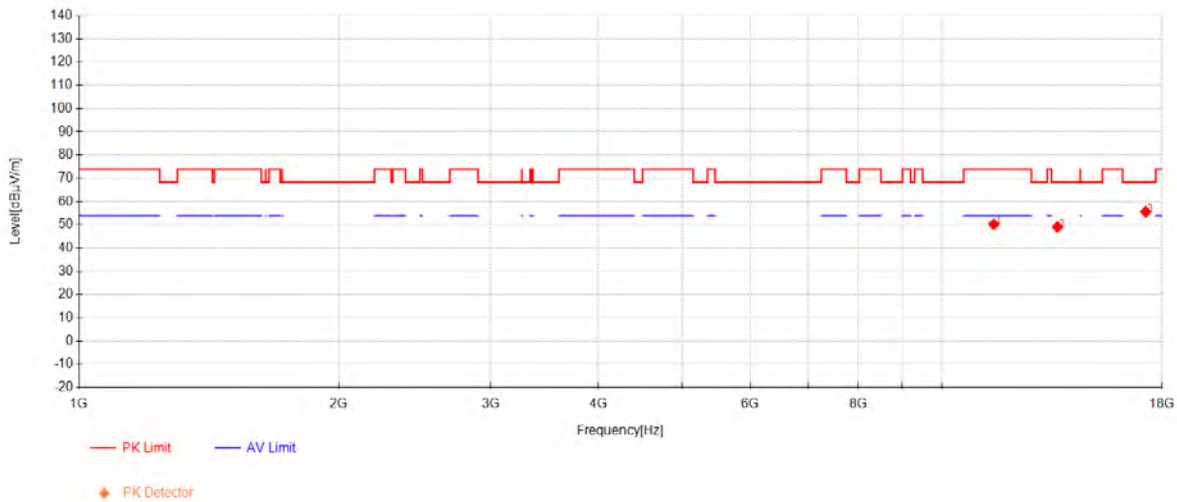


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11493.75	40.39	38.40	-29.98	48.81	74.00	25.19	Horizontal
2	13887.5	36.66	40.22	-28.52	48.36	68.30	19.94	Horizontal
3	17232.916	37.45	39.46	-25.14	51.77	68.30	16.53	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 149

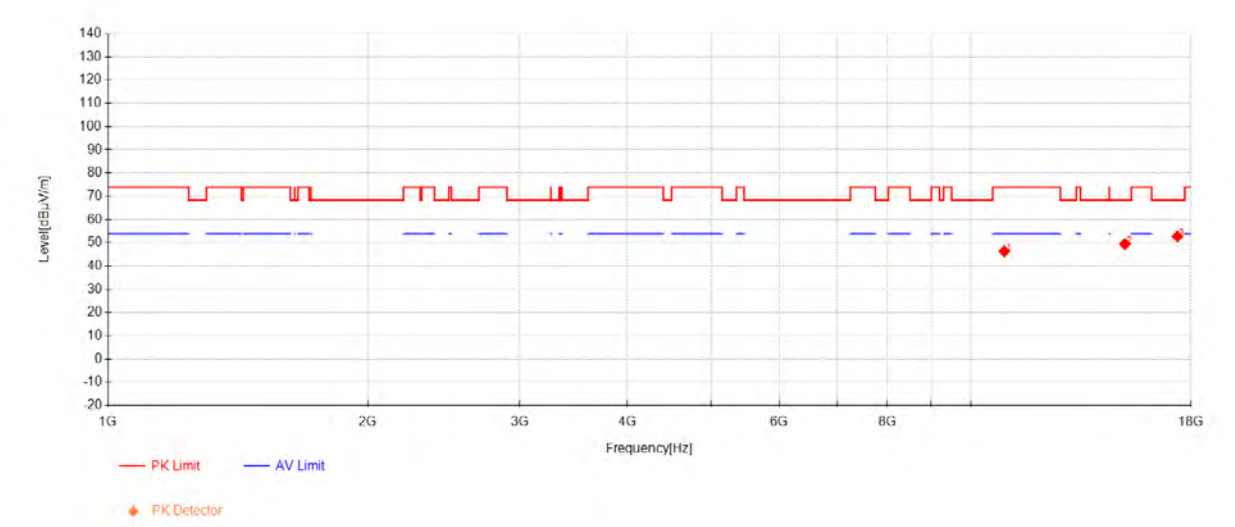


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11490	41.77	38.40	-29.98	50.19	74.00	23.81	Vertical
2	13615.833	36.87	40.03	-27.90	49.00	68.30	19.30	Vertical
3	17232.083	41.28	39.46	-25.13	55.61	68.30	12.69	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 157

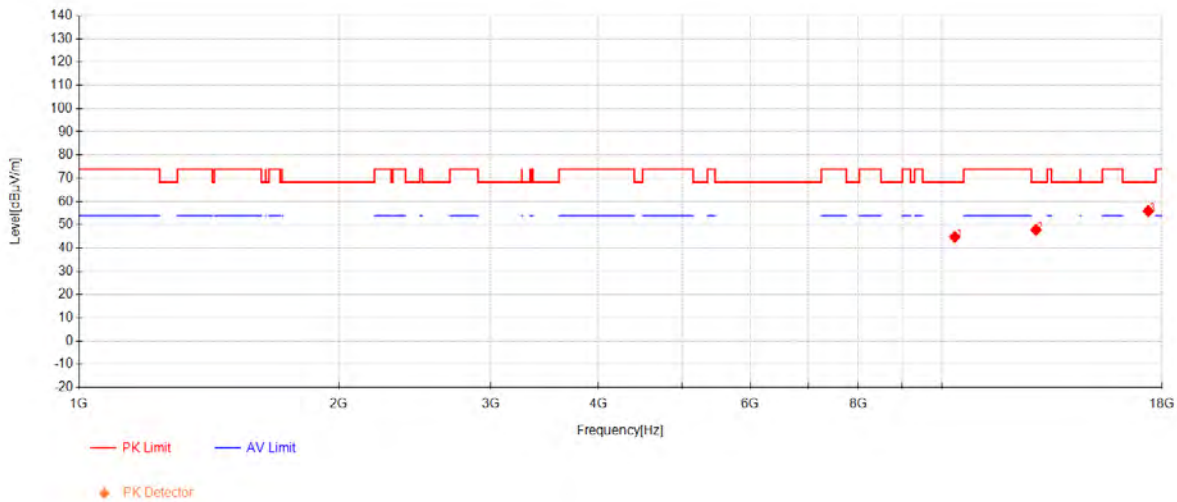


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10935	38.37	38.37	-30.42	46.32	74.00	27.68	Horizontal
2	15087.5	38.10	39.93	-28.62	49.42	68.30	18.88	Horizontal
3	17351.666	38.47	39.74	-25.45	52.77	68.30	15.53	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 157

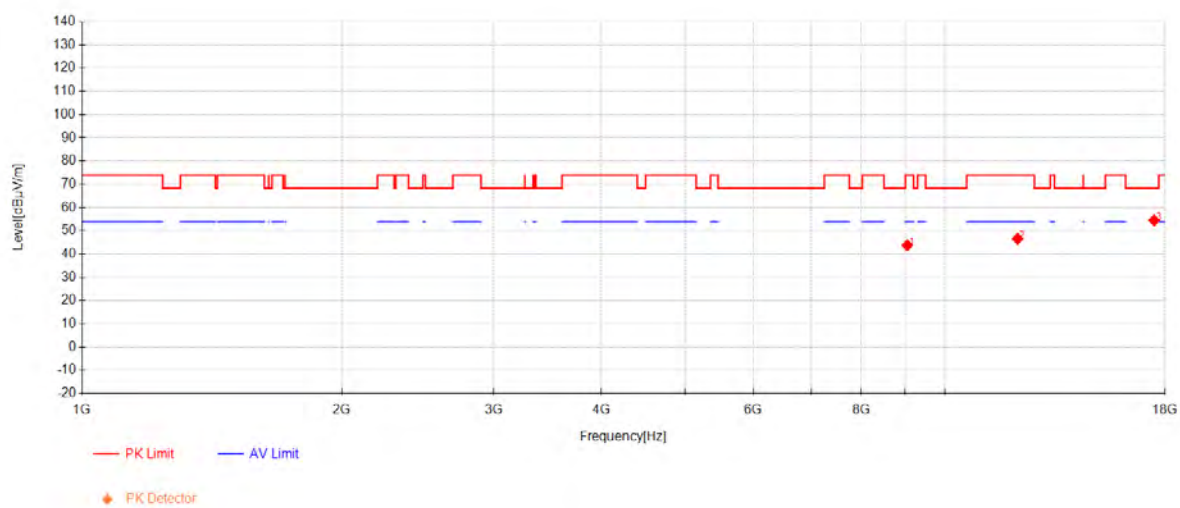


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10351.25	38.28	38.08	-31.55	44.80	68.30	23.50	Vertical
2	12855.833	38.01	39.43	-29.63	47.81	68.30	20.49	Vertical
3	17348.75	41.67	39.74	-25.47	55.94	68.30	12.36	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 165



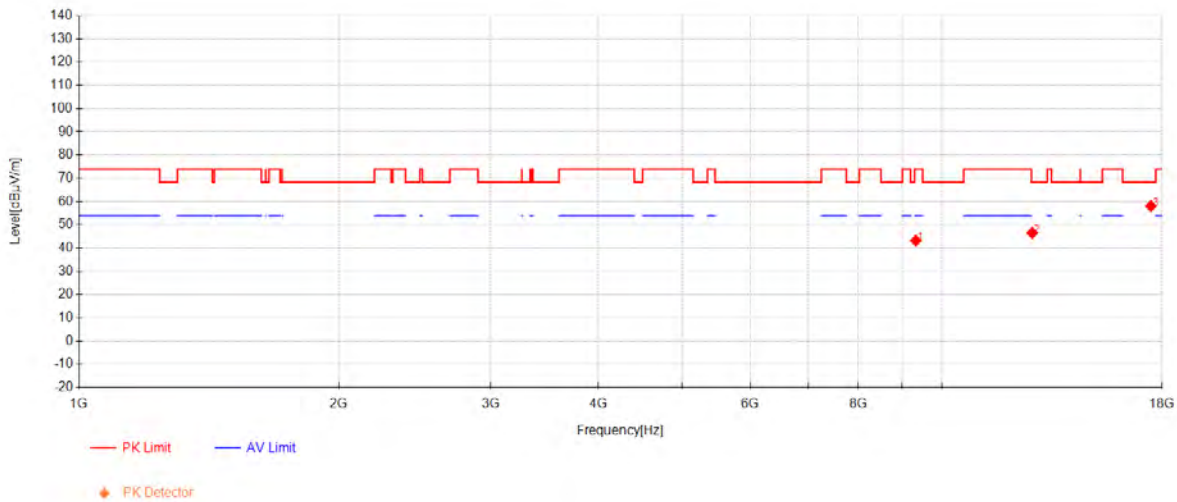
Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9047.0833	40.76	37.61	-34.58	43.79	74.00	30.21	Horizontal
2	12142.083	37.47	38.57	-29.49	46.55	74.00	27.45	Horizontal
3	17481.25	38.57	40.05	-24.08	54.54	68.30	13.76	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11a Channel 165

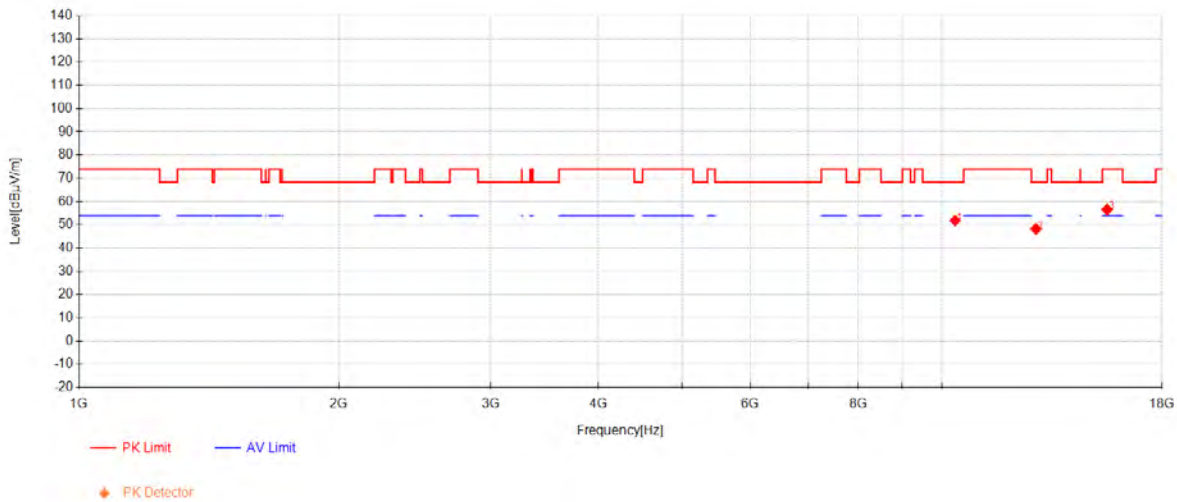


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9330	39.52	37.70	-33.97	43.25	74.00	30.75	Vertical
2	12726.666	36.87	39.27	-29.64	46.50	68.30	21.80	Vertical
3	17472.083	42.24	40.03	-24.20	58.08	68.30	10.22	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 36

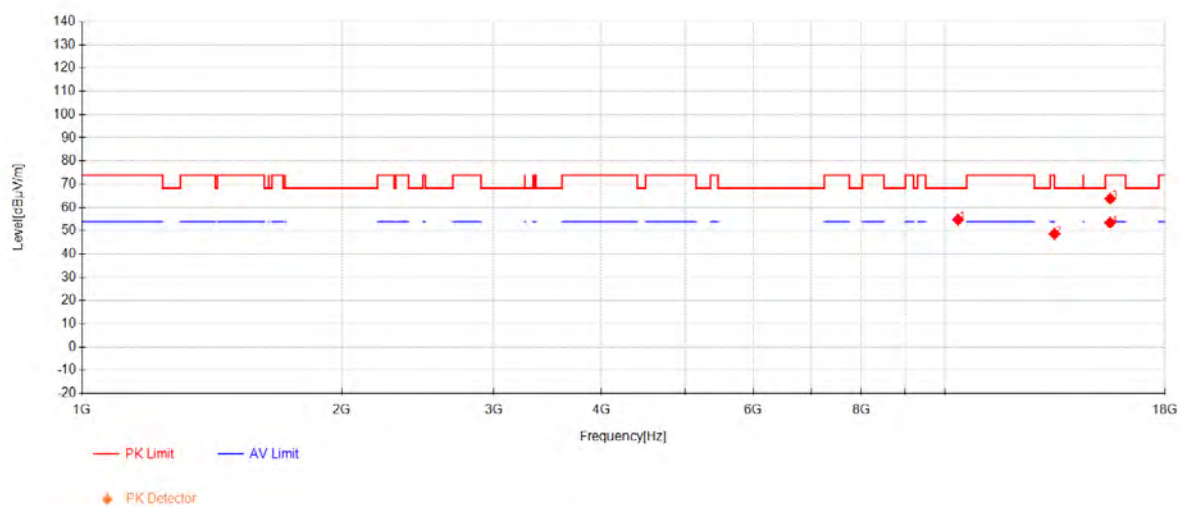


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10360.416	45.22	38.08	-31.48	51.82	68.30	16.48	Horizontal
2	12854.583	38.36	39.43	-29.63	48.15	68.30	20.15	Horizontal
3	15545	45.06	39.06	-27.57	56.55	74.00	17.45	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 36

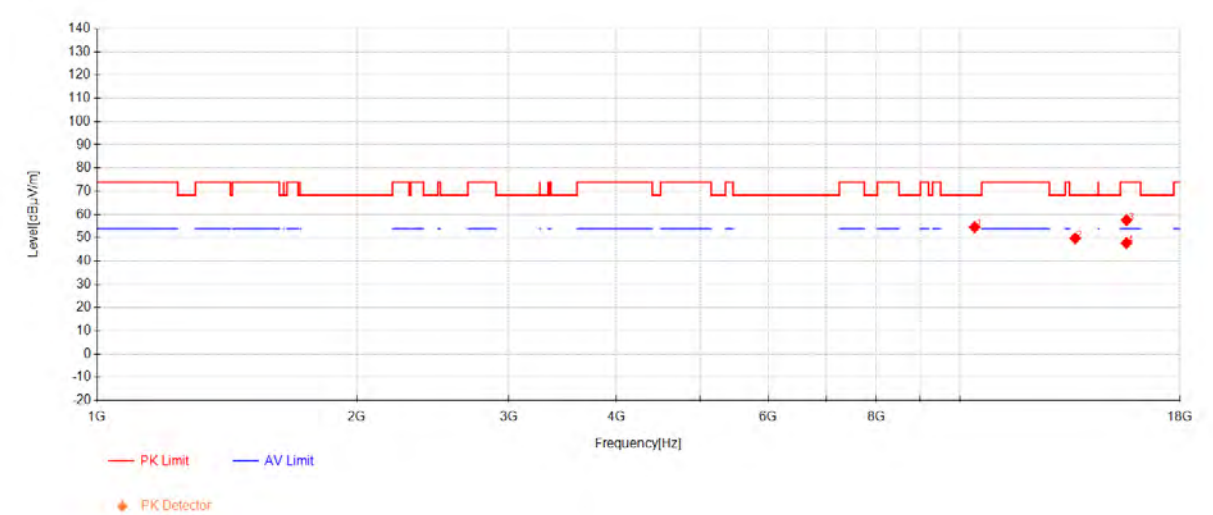


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10358.333	48.26	38.08	-31.50	54.84	68.30	13.46	Vertical
2	13400	37.65	39.88	-28.91	48.62	68.30	19.68	Vertical
3	15548.333	52.32	39.06	-27.56	63.81	74.00	10.19	Vertical
4	15540.833	41.97	39.07	-27.58	53.46	54.00	0.54	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 40

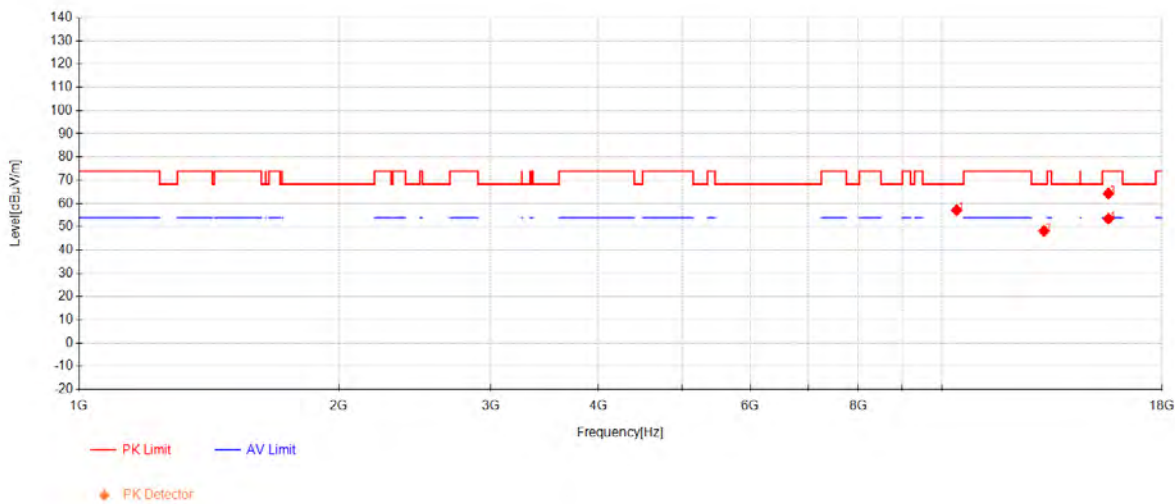


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10402.083	47.66	38.10	-31.16	54.60	68.30	13.70	Horizontal
2	13605	37.44	40.02	-27.73	49.74	68.30	18.56	Horizontal
3	15603.75	46.11	38.95	-27.47	57.59	74.00	16.41	Horizontal
4	15598.333	36.16	38.96	-27.45	47.67	54.00	6.33	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 40

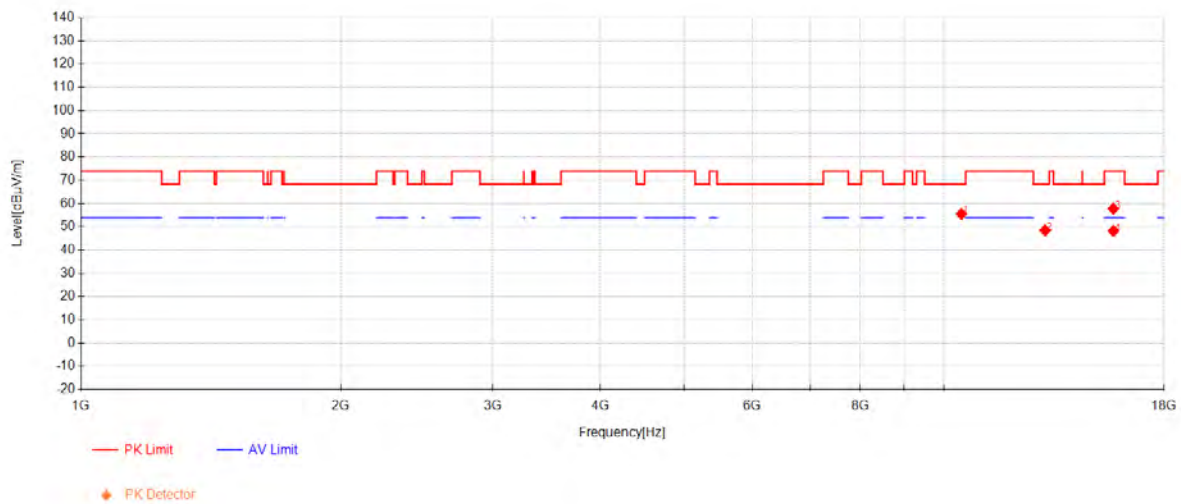


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10401.666	50.20	38.10	-31.16	57.14	68.30	11.16	Vertical
2	13133.333	37.46	39.69	-29.00	48.15	68.30	20.15	Vertical
3	15598.75	52.86	38.96	-27.45	64.37	74.00	9.63	Vertical
4	15599.166	41.96	38.96	-27.45	53.47	54.00	0.53	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 48

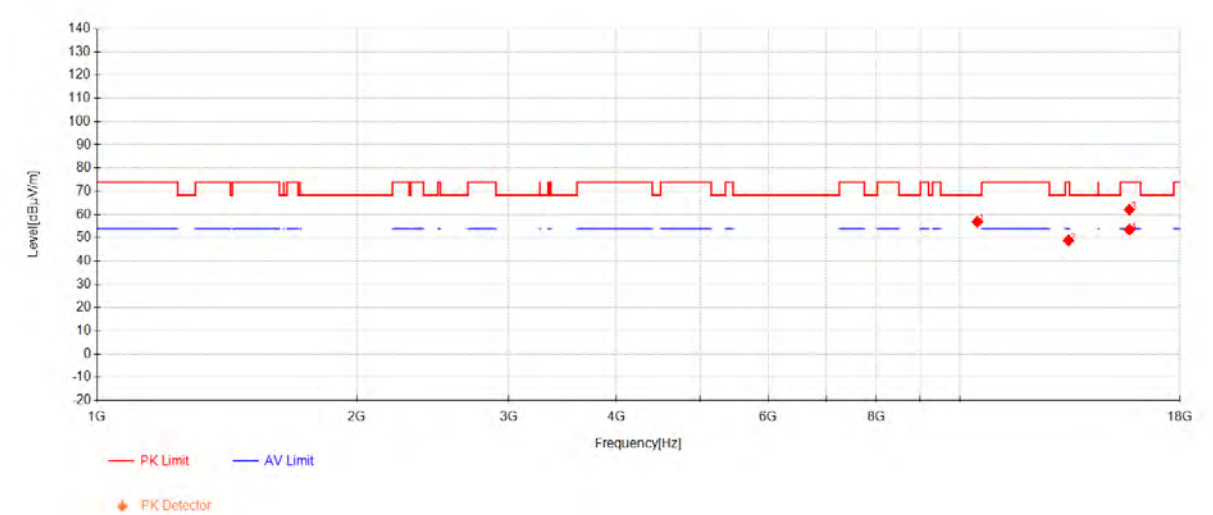


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10481.25	48.42	38.14	-31.05	55.51	68.30	12.79	Horizontal
2	13102.5	37.62	39.67	-28.90	48.39	68.30	19.91	Horizontal
3	15720	46.79	38.73	-27.77	57.75	74.00	16.25	Horizontal
4	15722.083	37.17	38.73	-27.75	48.15	54.00	5.85	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 48

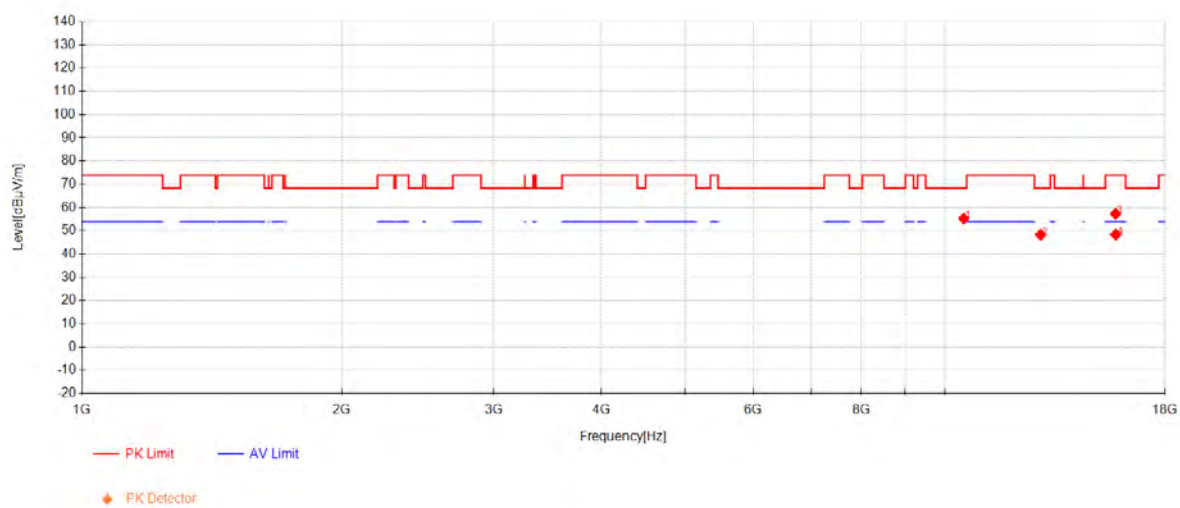


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10478.333	49.80	38.14	-31.06	56.88	68.30	11.42	Vertical
2	13365.833	38.06	39.86	-29.08	48.83	74.00	25.17	Vertical
3	15721.666	51.12	38.73	-27.76	62.09	74.00	11.91	Vertical
4	15725	42.46	38.72	-27.73	53.46	54.00	0.54	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 52

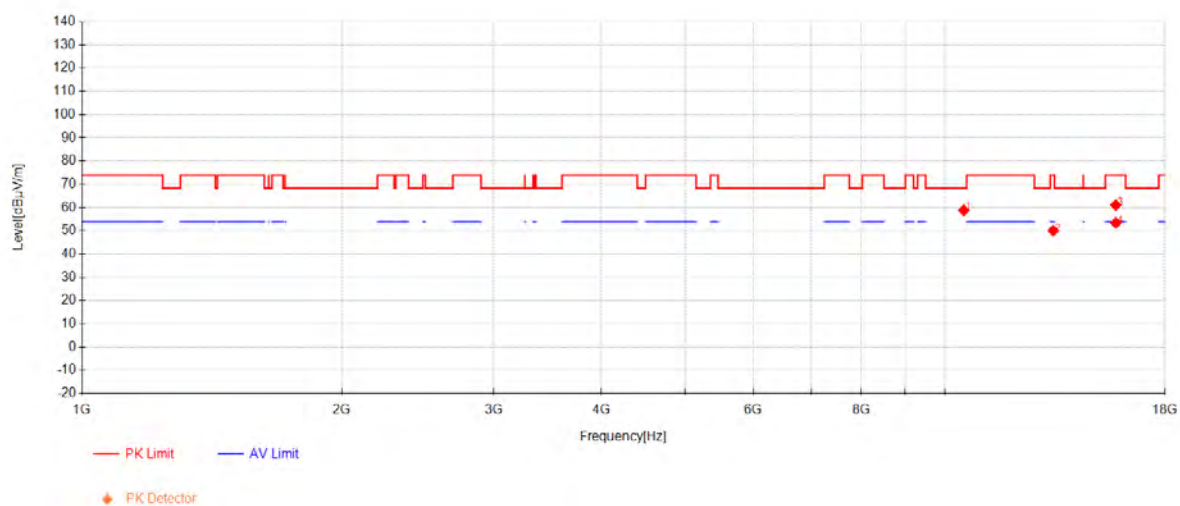


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10518.333	48.22	38.16	-31.06	55.32	68.30	12.98	Horizontal
2	12913.333	38.20	39.50	-29.46	48.23	68.30	20.07	Horizontal
3	15773.333	45.97	38.63	-27.29	57.31	74.00	16.69	Horizontal
4	15779.166	36.93	38.62	-27.24	48.31	54.00	5.69	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 52

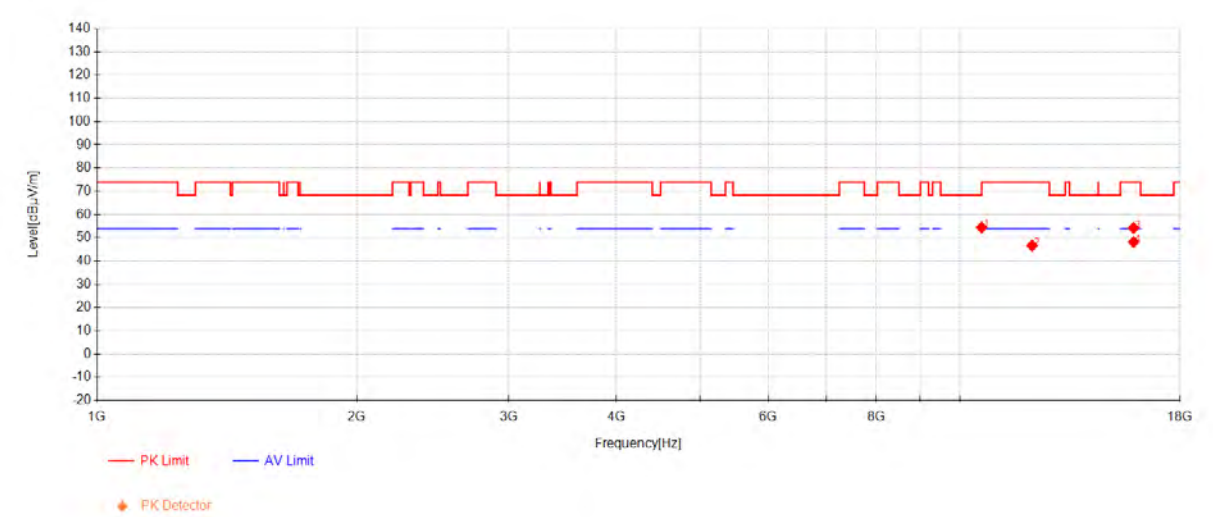


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10518.333	51.69	38.16	-31.06	58.79	68.30	9.51	Vertical
2	13355.416	39.32	39.85	-29.14	50.03	74.00	23.97	Vertical
3	15780.833	49.66	38.62	-27.22	61.05	74.00	12.95	Vertical
4	15782.916	42.00	38.61	-27.20	53.41	54.00	0.59	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 60

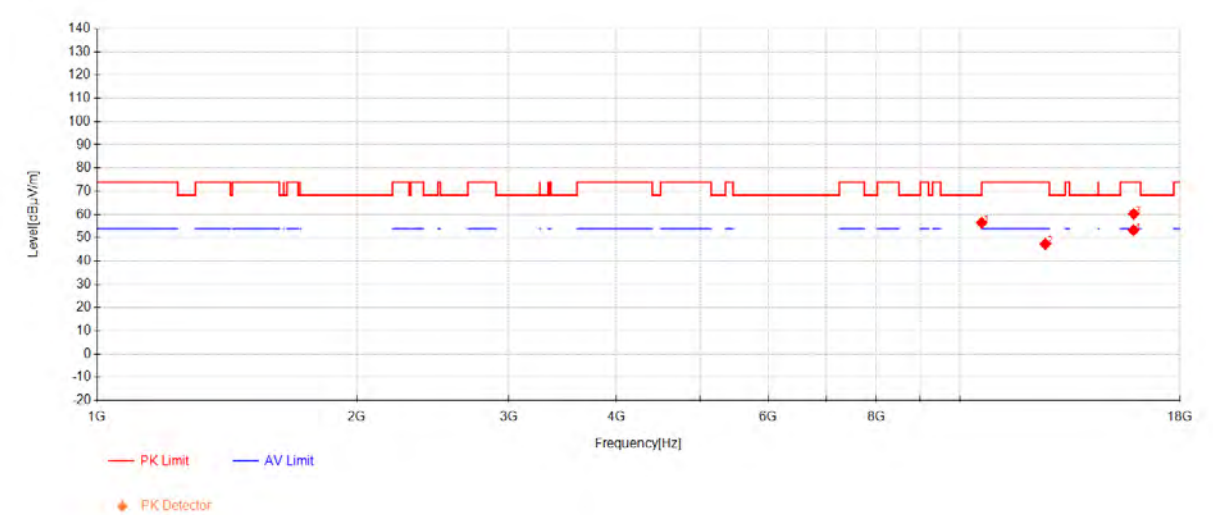


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10597.5	47.49	38.20	-31.20	54.49	68.30	13.81	Horizontal
2	12129.166	37.56	38.55	-29.49	46.62	74.00	27.38	Horizontal
3	15899.583	43.34	38.39	-27.48	54.25	74.00	19.75	Horizontal
4	15899.583	37.22	38.39	-27.48	48.13	54.00	5.87	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 60

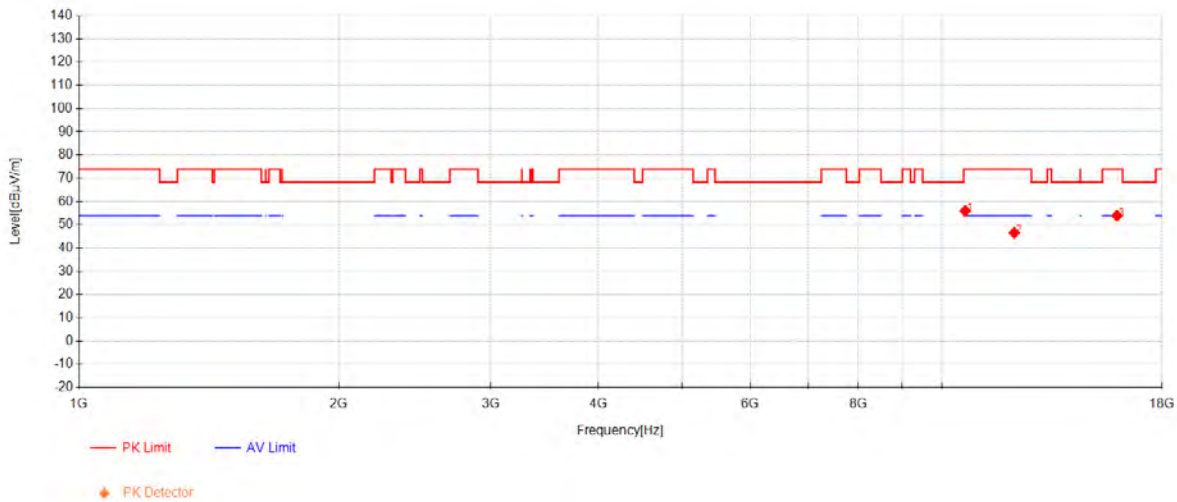


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10601.666	49.47	38.20	-31.19	56.49	74.00	17.51	Vertical
2	12561.25	38.08	39.07	-29.85	47.30	74.00	26.70	Vertical
3	15903.75	49.36	38.38	-27.48	60.26	74.00	13.74	Vertical
4	15892.916	42.31	38.40	-27.45	53.26	54.00	0.74	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 64

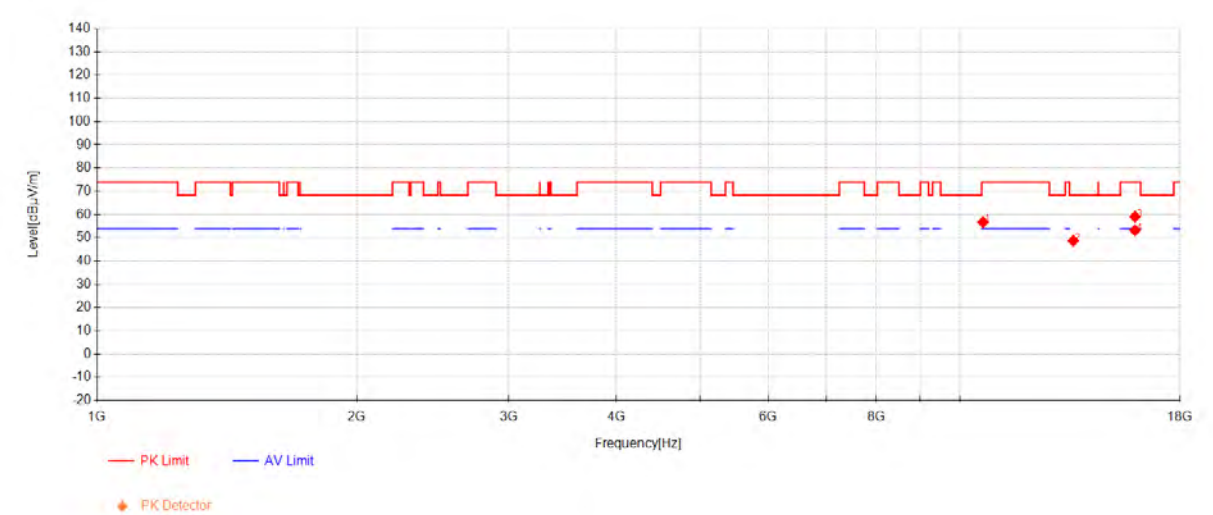


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10644.166	48.56	38.22	-30.80	55.98	74.00	18.02	Horizontal
2	12131.666	37.45	38.56	-29.49	46.51	74.00	27.49	Horizontal
3	15959.583	43.14	38.28	-27.45	53.97	74.00	20.03	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 64

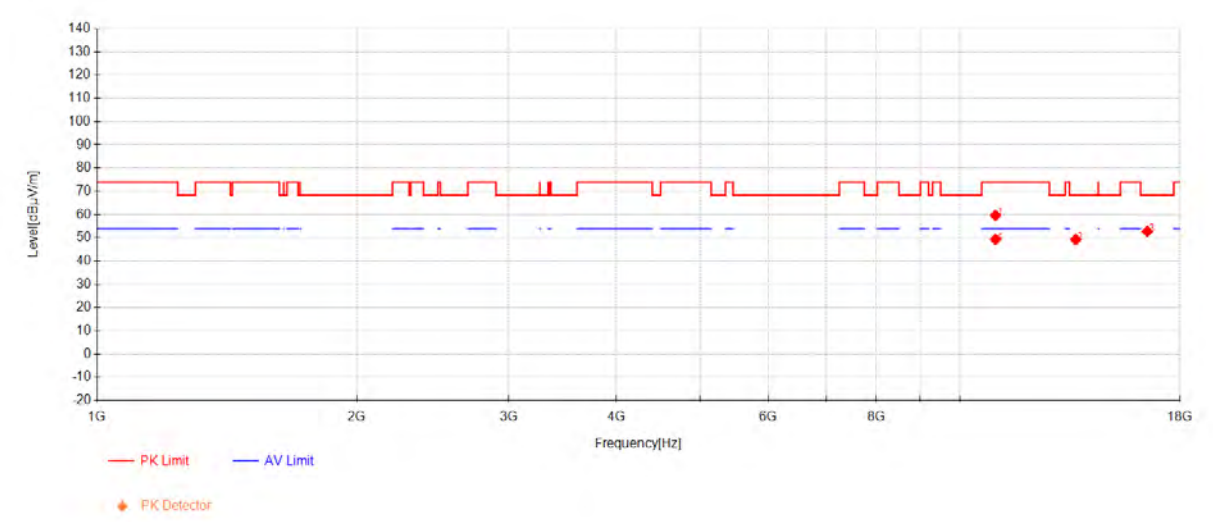


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10638.333	49.34	38.22	-30.86	56.70	74.00	17.30	Vertical
2	13536.666	37.55	39.98	-28.85	48.68	68.30	19.62	Vertical
3	15961.25	48.22	38.27	-27.45	59.04	74.00	14.96	Vertical
4	15960	42.38	38.28	-27.45	53.21	54.00	0.79	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 100

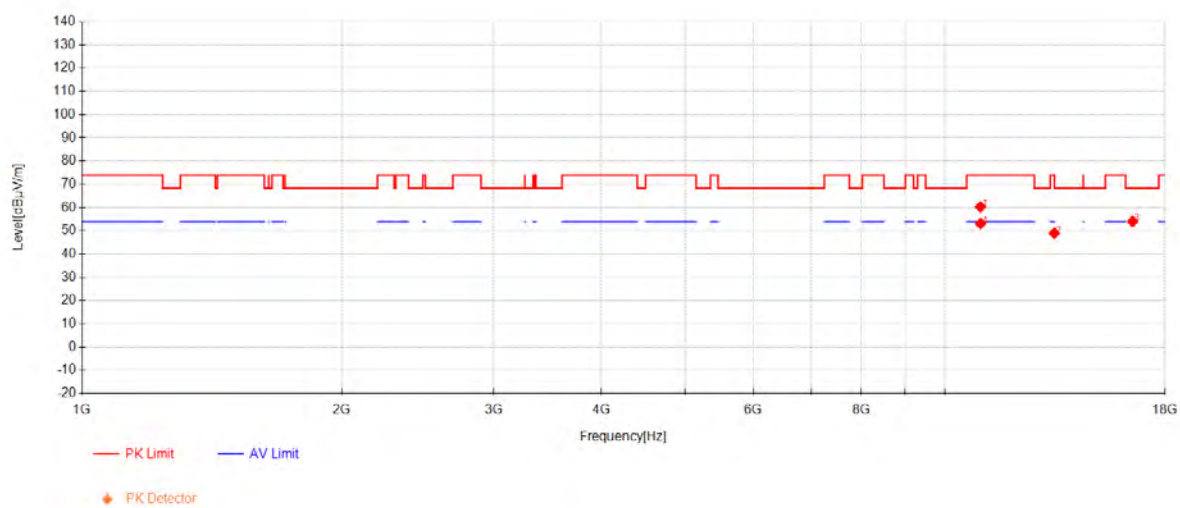


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10998.75	51.68	38.40	-30.50	59.58	74.00	14.42	Horizontal
2	13625.416	37.20	40.04	-28.05	49.19	68.30	19.11	Horizontal
3	16492.5	40.82	38.54	-26.59	52.77	68.30	15.53	Horizontal
4	11000	41.35	38.40	-30.50	49.25	54.00	4.75	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 100

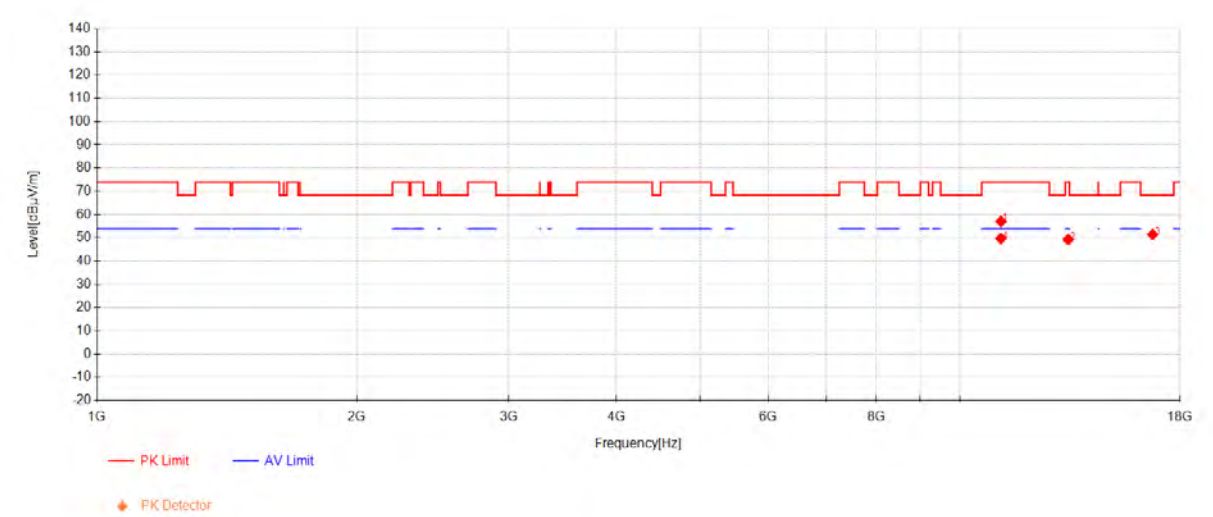


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10997.5	52.40	38.40	-30.50	60.30	74.00	13.70	Vertical
2	13393.333	38.03	39.88	-28.94	48.96	74.00	25.04	Vertical
3	16505.833	42.11	38.55	-26.59	54.07	68.30	14.23	Vertical
4	11000	45.18	38.40	-30.50	53.08	54.00	0.92	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 116

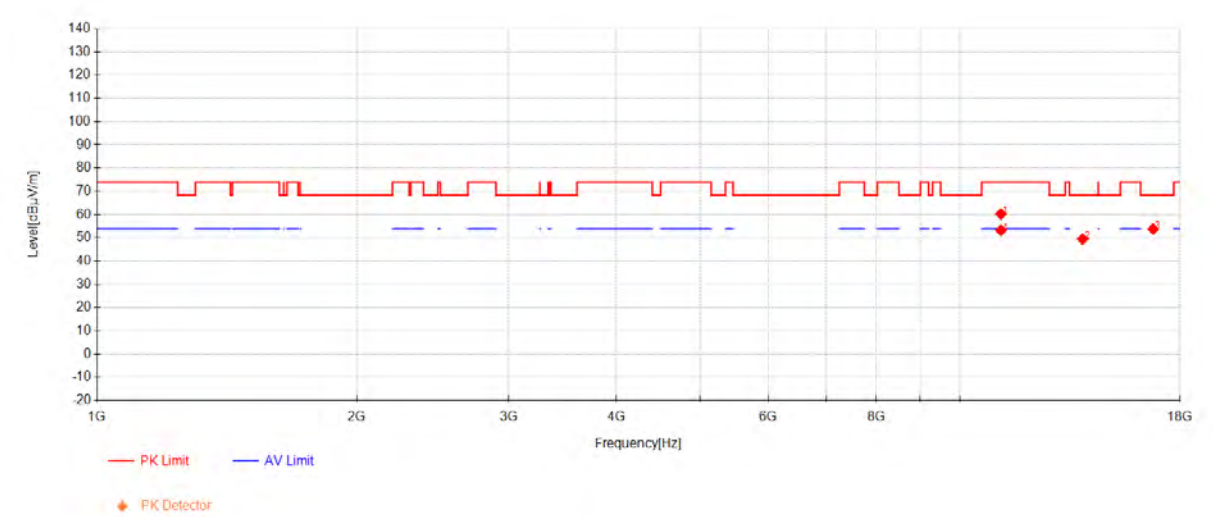


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11161.666	48.74	38.40	-30.10	57.04	74.00	16.96	Horizontal
2	13353.75	38.48	39.85	-29.15	49.18	74.00	24.82	Horizontal
3	16729.583	39.30	38.71	-26.58	51.44	68.30	16.86	Horizontal
4	11160	41.36	38.40	-30.10	49.66	54.00	4.34	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 116

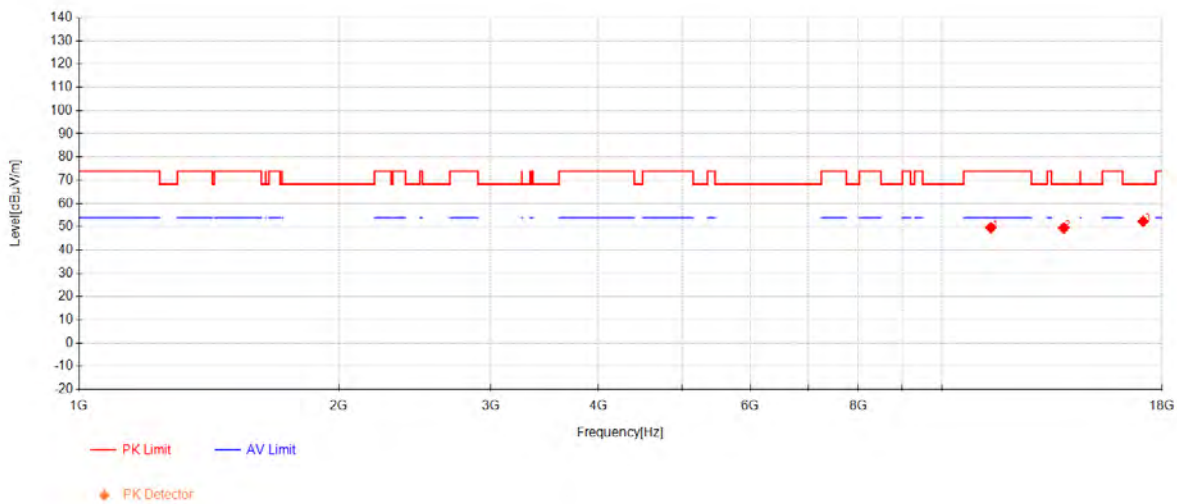


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11158.333	51.94	38.40	-30.11	60.23	74.00	13.77	Vertical
2	13877.916	37.77	40.21	-28.60	49.39	68.30	18.91	Vertical
3	16753.333	41.49	38.73	-26.44	53.78	68.30	14.52	Vertical
4	11160.833	44.91	38.40	-30.10	53.21	54.00	0.79	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 140

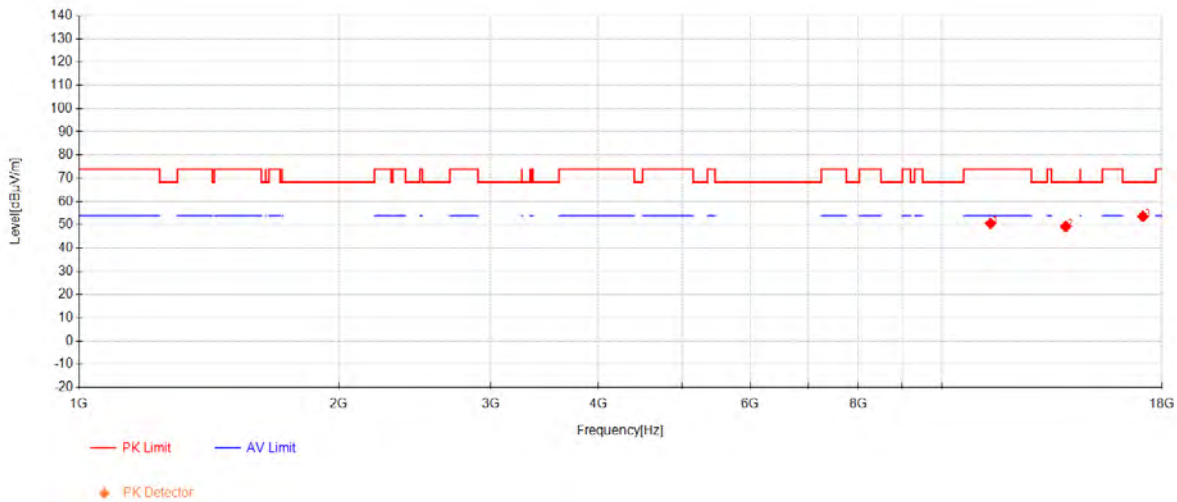


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11399.583	41.06	38.40	-29.86	49.60	74.00	24.40	Horizontal
2	13843.75	38.14	40.19	-28.89	49.44	68.30	18.86	Horizontal
3	17111.25	39.01	39.17	-25.86	52.32	68.30	15.98	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 140

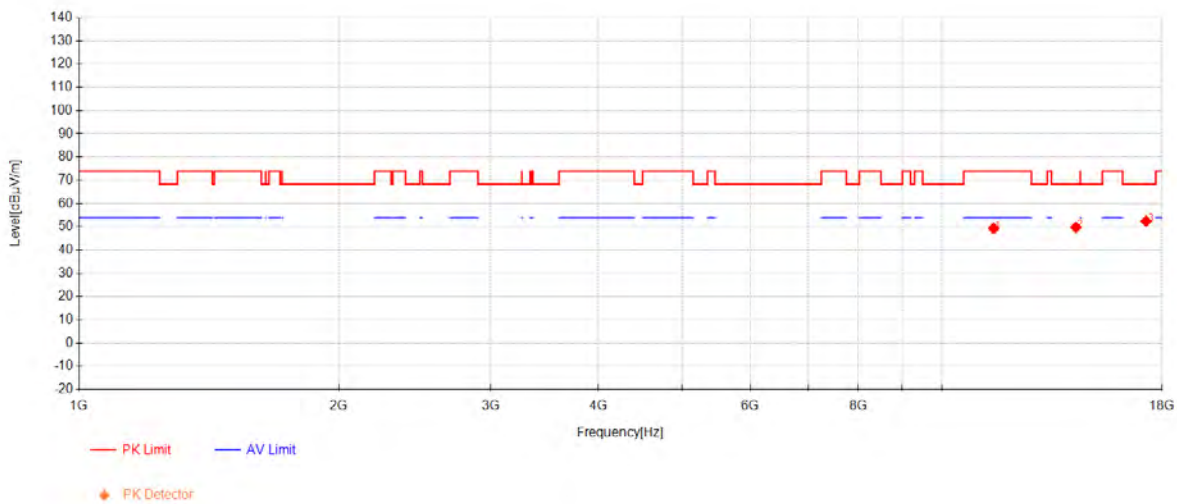


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11388.333	42.12	38.40	-29.93	50.59	74.00	23.41	Vertical
2	13917.916	37.61	40.24	-28.65	49.21	68.30	19.09	Vertical
3	17101.666	40.44	39.14	-25.97	53.61	68.30	14.69	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 149

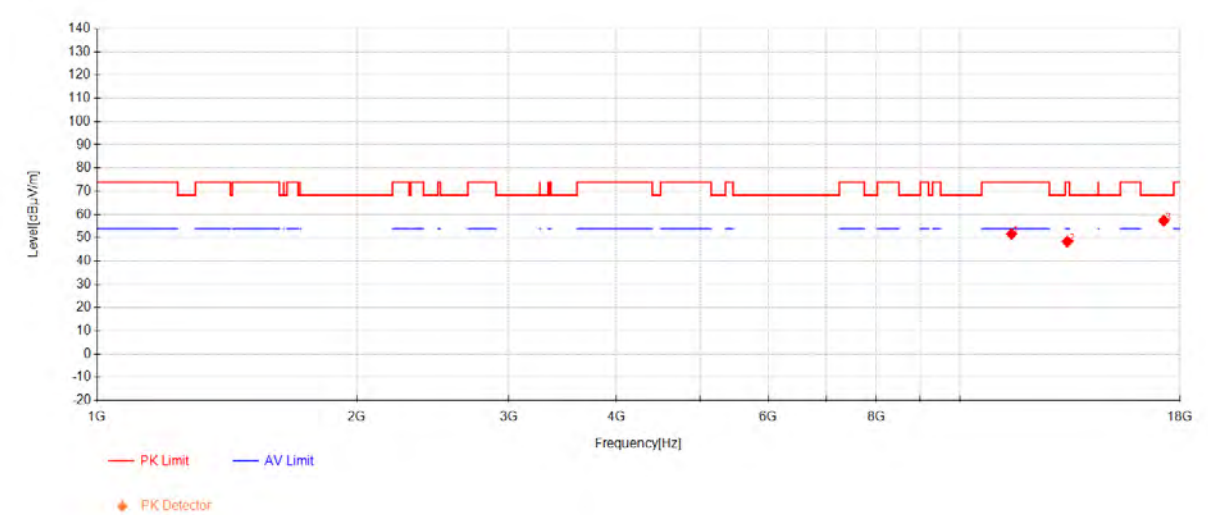


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11482.916	40.82	38.40	-29.97	49.25	74.00	24.75	Horizontal
2	14301.25	38.90	40.24	-29.40	49.74	68.30	18.56	Horizontal
3	17245.416	38.15	39.49	-25.26	52.38	68.30	15.92	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 149

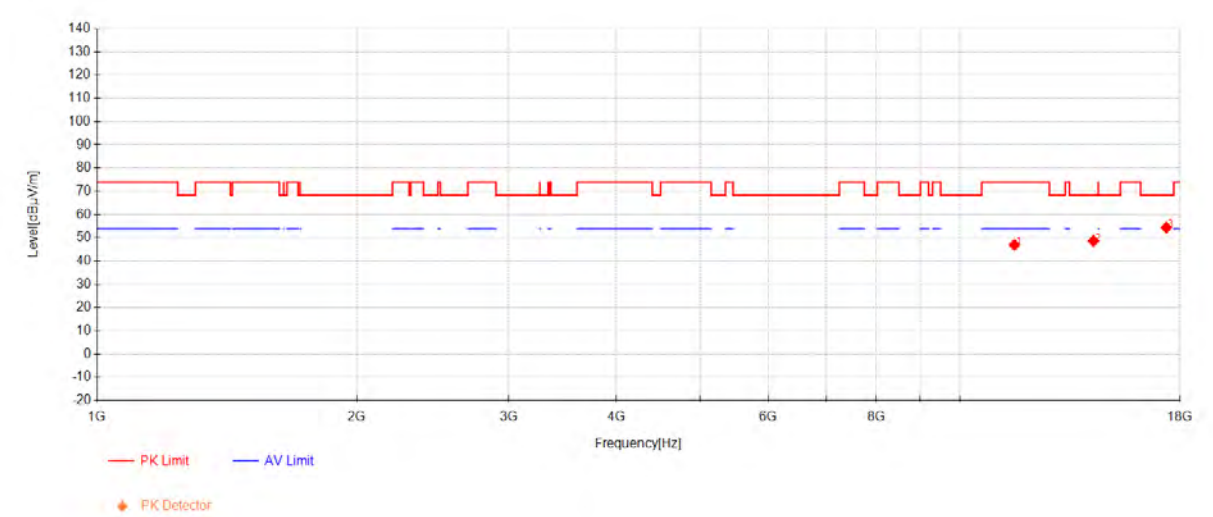


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11479.583	43.20	38.40	-29.96	51.64	74.00	22.36	Vertical
2	13322.5	37.78	39.83	-29.31	48.30	74.00	25.70	Vertical
3	17236.25	43.05	39.47	-25.17	57.35	68.30	10.95	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 157

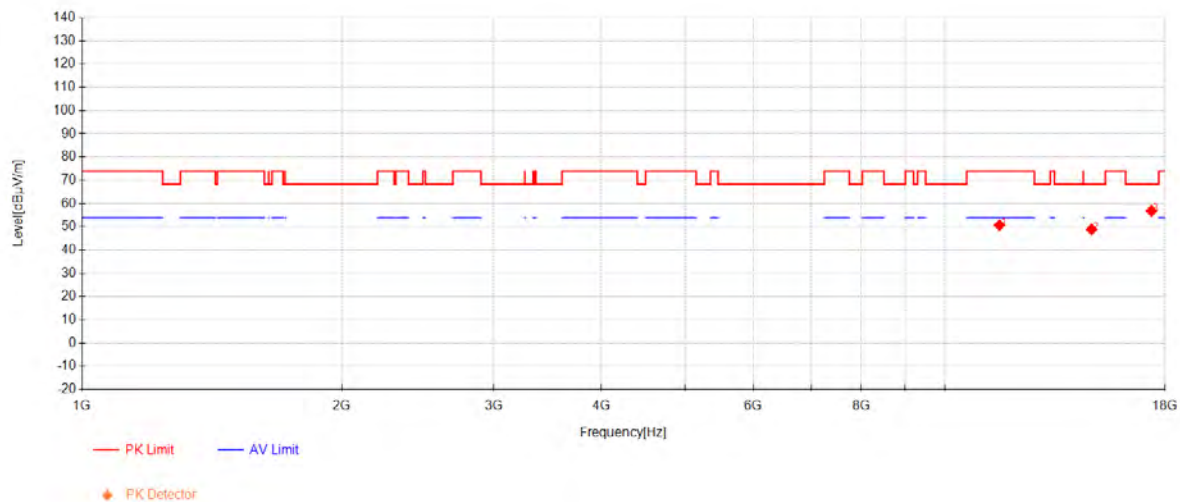


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11567.083	38.25	38.40	-29.72	46.93	74.00	27.07	Horizontal
2	14282.5	37.78	40.24	-29.44	48.58	68.30	19.72	Horizontal
3	17354.583	40.10	39.75	-25.43	54.42	68.30	13.88	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 157



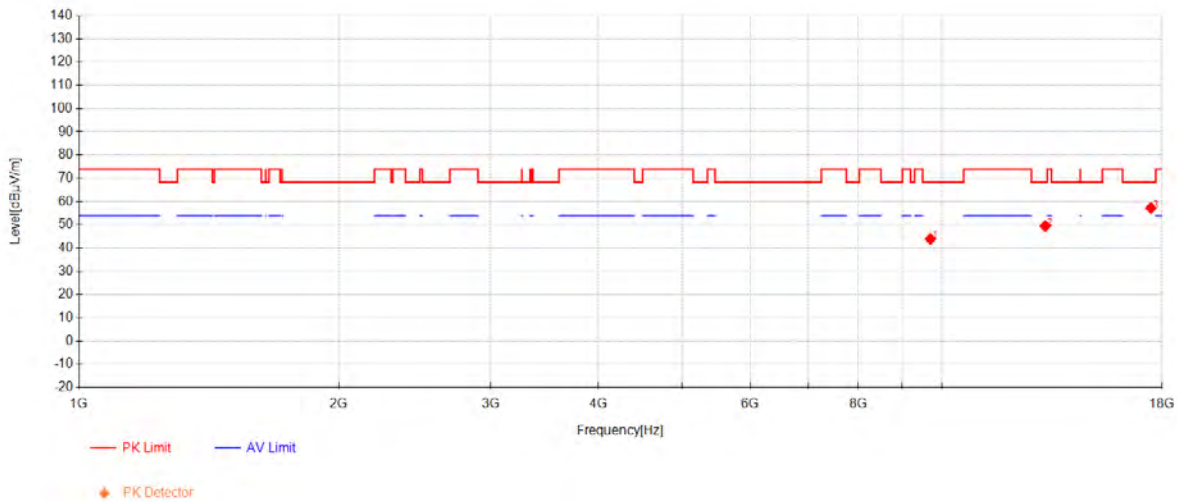
Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11568.333	41.99	38.40	-29.72	50.67	74.00	23.33	Vertical
2	14794.166	36.05	40.14	-27.36	48.83	68.30	19.47	Vertical
3	17357.5	42.50	39.76	-25.41	56.85	68.30	11.45	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 165

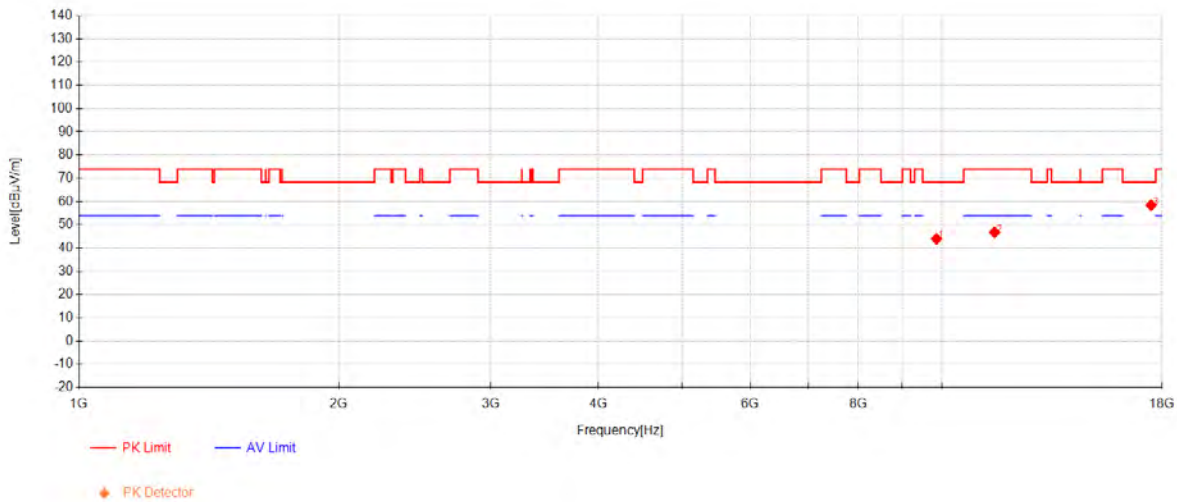


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9700	39.32	37.81	-33.20	43.93	68.30	24.37	Horizontal
2	13176.666	38.83	39.72	-29.14	49.41	68.30	18.89	Horizontal
3	17473.75	41.35	40.04	-24.18	57.21	68.30	11.09	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac20 Channel 165

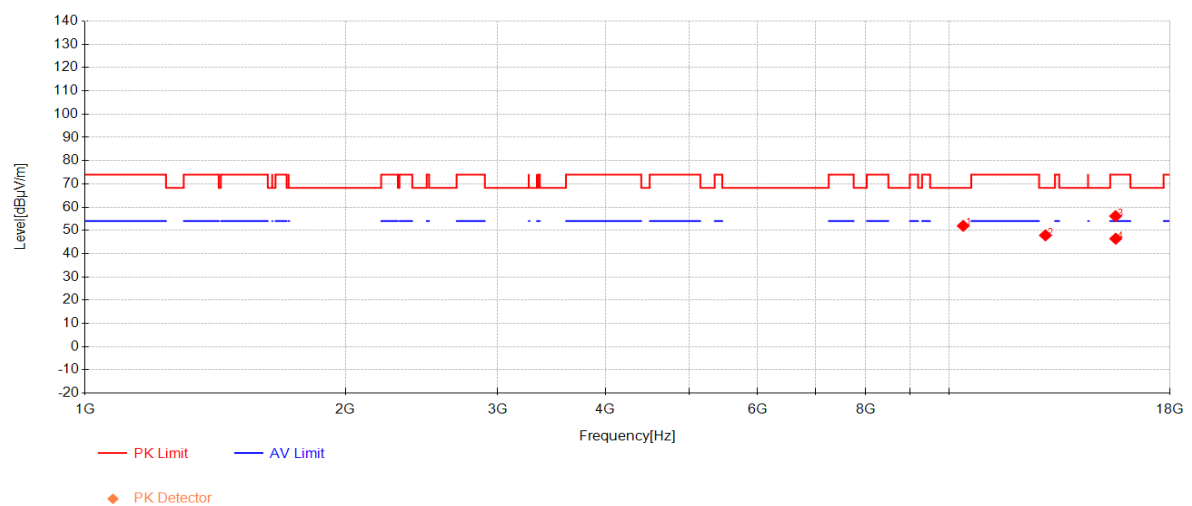


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9857.9167	38.89	37.86	-32.80	43.95	68.30	24.35	Vertical
2	11510.833	38.29	38.40	-29.95	46.74	74.00	27.26	Vertical
3	17482.916	42.42	40.06	-24.06	58.42	68.30	9.88	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 38

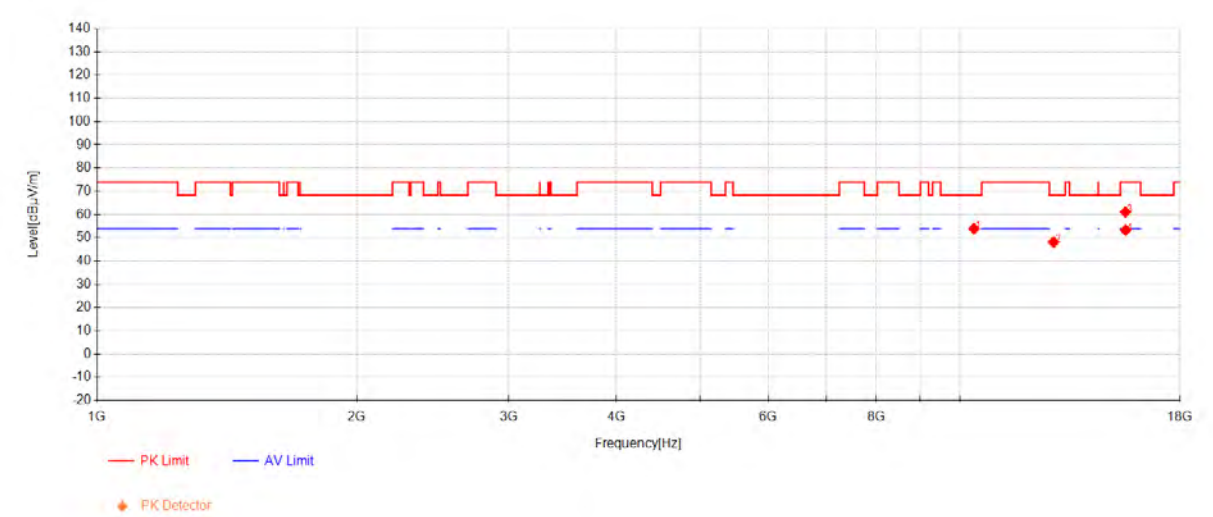


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10375.833	45.23	38.09	-31.36	51.96	68.30	16.34	Horizontal
2	12917.083	37.85	39.50	-29.48	47.87	68.30	20.43	Horizontal
3	15572.083	44.63	39.01	-27.51	56.13	74.00	17.87	Horizontal
4	15579.583	34.91	39.00	-27.49	46.41	54.00	7.59	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 38

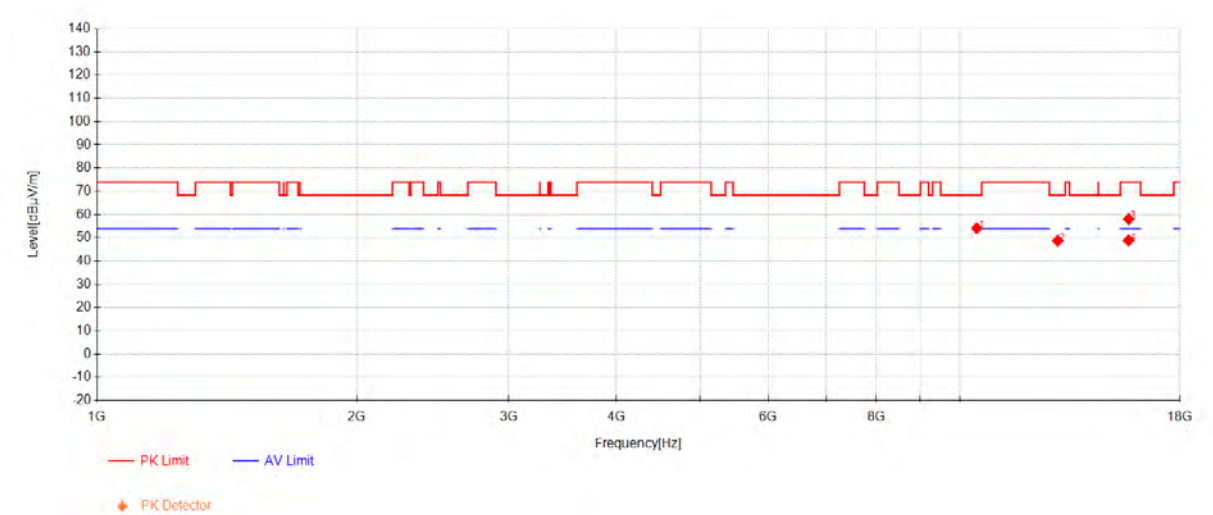


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10383.75	47.13	38.09	-31.29	53.93	68.30	14.37	Vertical
2	12841.25	38.36	39.41	-29.70	48.07	68.30	20.23	Vertical
3	15558.333	49.60	39.04	-27.54	61.10	74.00	12.90	Vertical
4	15563.333	41.77	39.03	-27.53	53.27	54.00	0.73	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 46



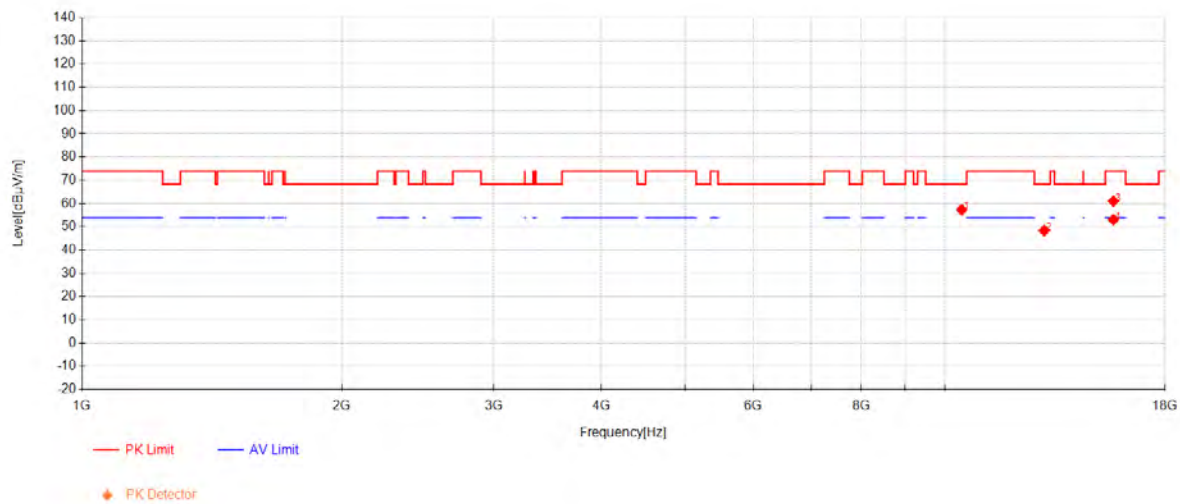
Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10462.5	47.08	38.13	-31.08	54.13	68.30	14.17	Horizontal
2	12985.833	38.89	39.58	-29.79	48.68	68.30	19.62	Horizontal
3	15695.833	47.18	38.78	-27.93	58.03	74.00	15.97	Horizontal
4	15687.083	37.90	38.79	-27.89	48.81	54.00	5.19	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 46



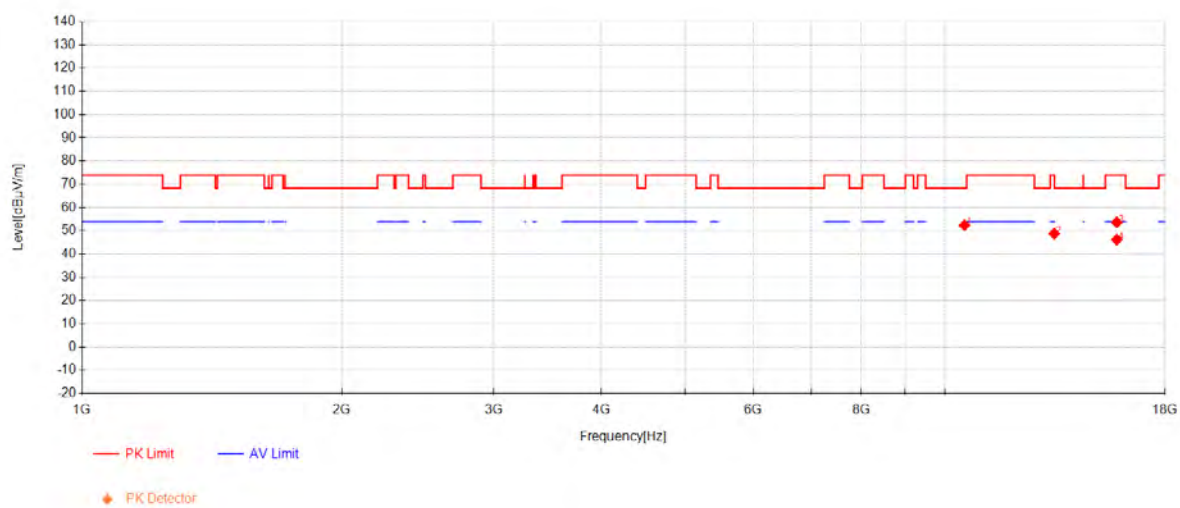
Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10459.166	50.24	38.13	-31.08	57.29	68.30	11.01	Vertical
2	13038.75	38.19	39.63	-29.48	48.33	68.30	19.97	Vertical
3	15683.333	50.07	38.80	-27.87	61.01	74.00	12.99	Vertical
4	15680.416	42.09	38.81	-27.85	53.05	54.00	0.95	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 54

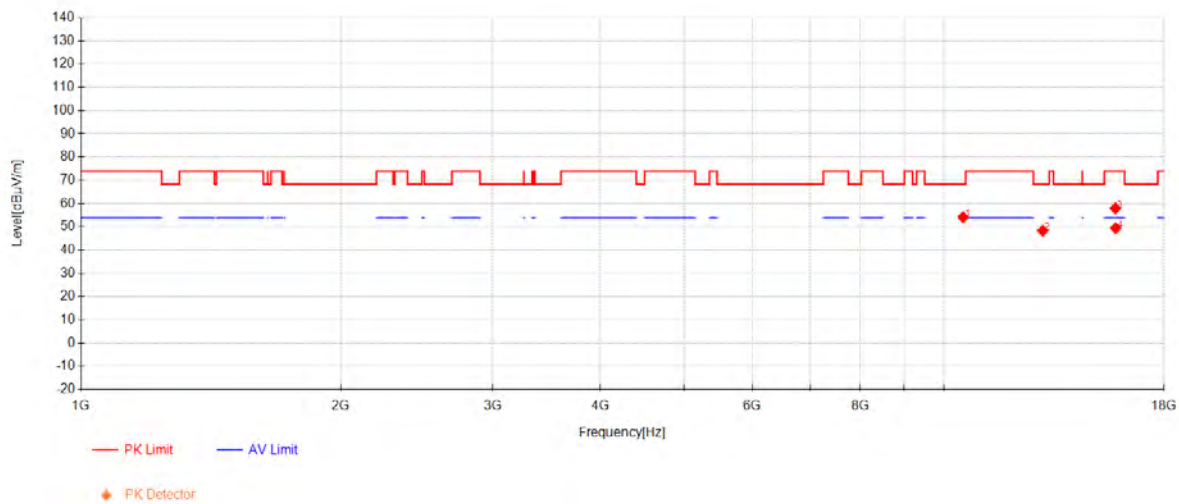


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10536.25	45.29	38.17	-31.09	52.37	68.30	15.93	Horizontal
2	13390	37.82	39.87	-28.96	48.73	74.00	25.27	Horizontal
3	15824.166	42.27	38.53	-27.15	53.65	74.00	20.35	Horizontal
4	15823.333	34.77	38.54	-27.15	46.16	54.00	7.84	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 54

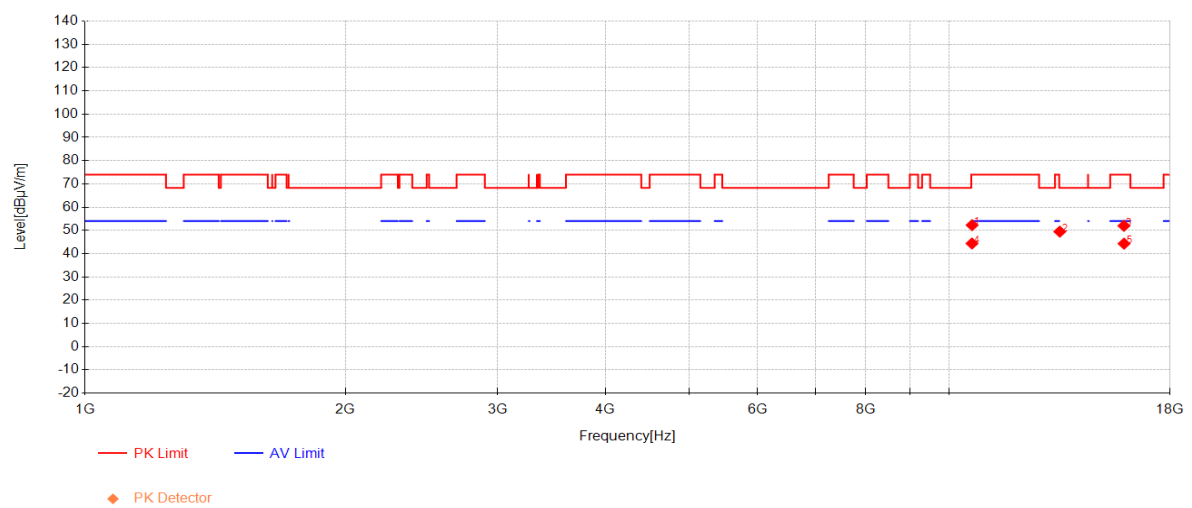


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10527.916	47.04	38.16	-31.08	54.13	68.30	14.17	Vertical
2	13020	38.32	39.61	-29.67	48.27	68.30	20.03	Vertical
3	15807.916	46.48	38.56	-27.08	57.96	74.00	16.04	Vertical
4	15820.416	37.96	38.54	-27.14	49.36	54.00	4.64	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 62

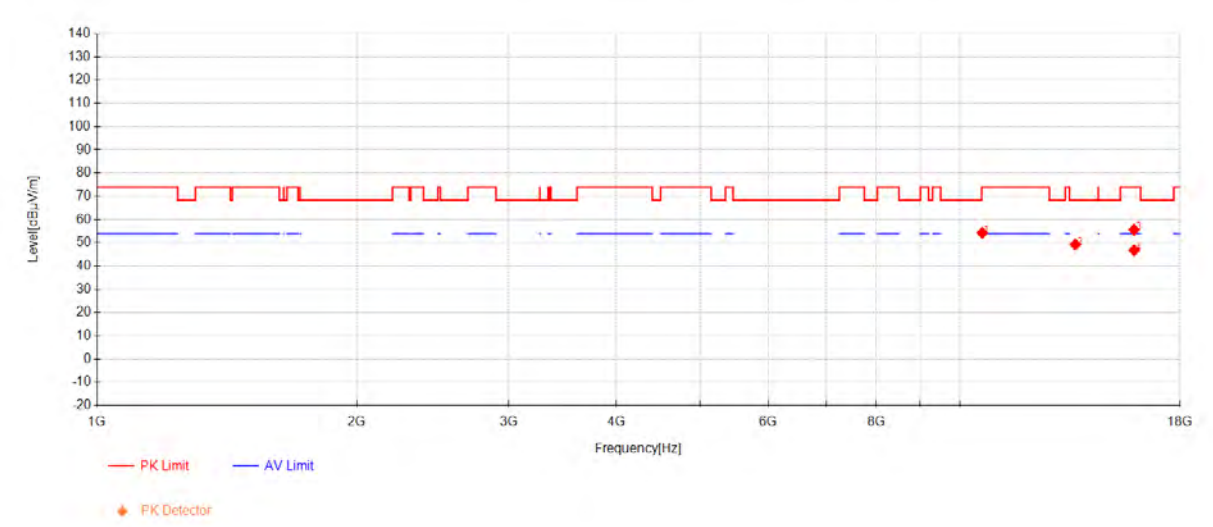


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10624.166	45.02	38.21	-30.98	52.25	74.00	21.75	Horizontal
2	13420.833	38.60	39.89	-29.04	49.45	68.30	18.85	Horizontal
3	15922.5	41.10	38.35	-27.47	51.98	74.00	22.02	Horizontal
4	10620.833	37.15	38.21	-31.01	44.35	54.00	9.65	Horizontal
5	15928.75	33.43	38.34	-27.47	44.30	54.00	9.70	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 62

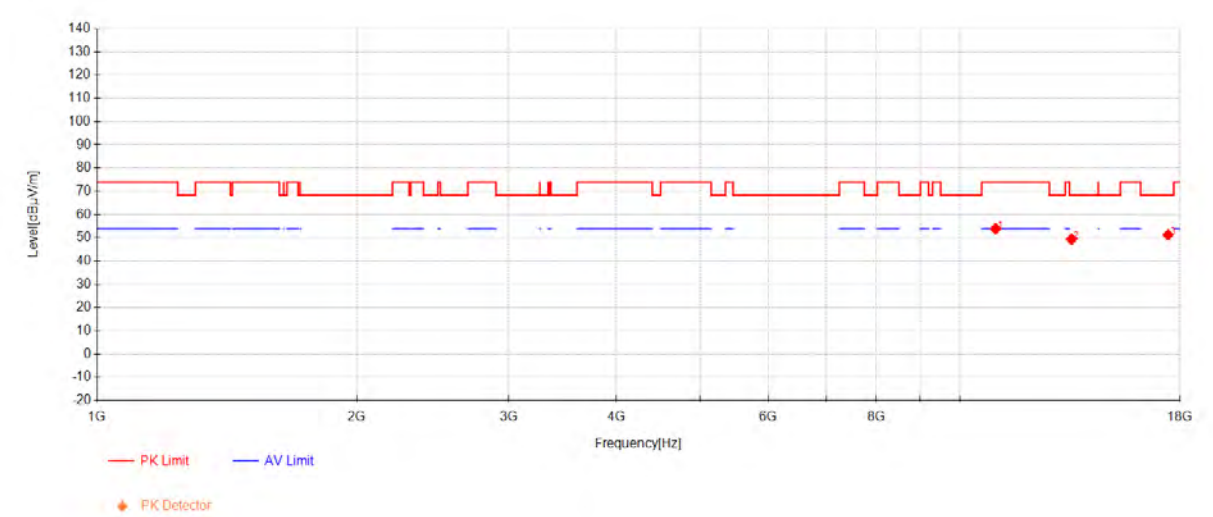


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10616.666	47.13	38.21	-31.05	54.29	74.00	19.71	Vertical
2	13610.833	37.00	40.03	-27.82	49.21	68.30	19.09	Vertical
3	15918.75	44.74	38.35	-27.47	55.62	74.00	18.38	Vertical
4	15923.75	35.87	38.34	-27.47	46.75	54.00	7.25	Vertical



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 102

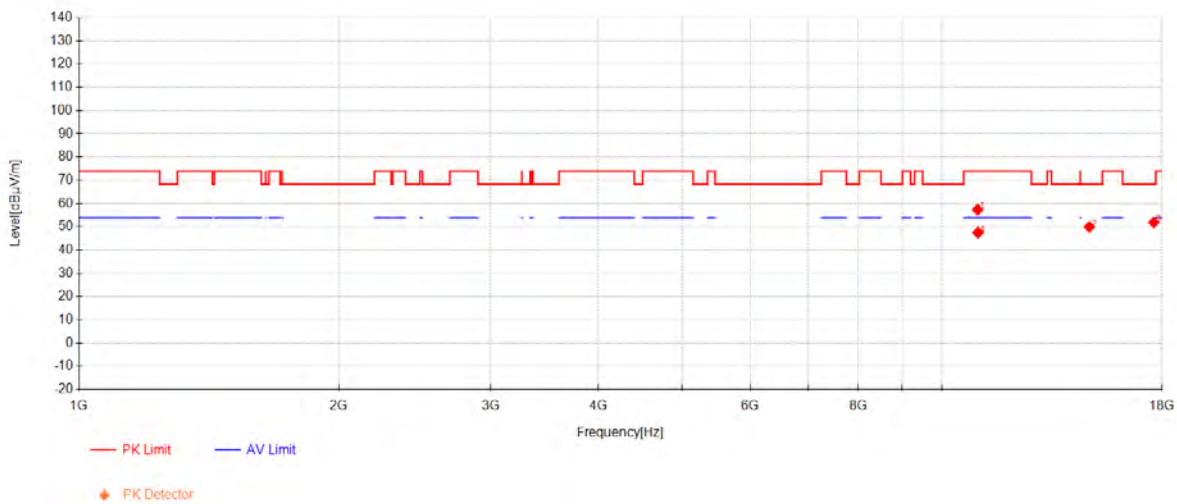


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11001.666	46.01	38.40	-30.50	53.91	74.00	20.09	Horizontal
2	13472.916	38.78	39.93	-29.37	49.34	68.30	18.96	Horizontal
3	17433.75	36.01	39.94	-24.69	51.26	68.30	17.04	Horizontal



Compliance Certification Services (Kunshan) Inc.

802.11ac40 Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11001.25	49.43	38.40	-30.50	57.33	74.00	16.67	Vertical
2	14824.166	37.23	40.14	-27.46	49.91	68.30	18.39	Vertical
3	17606.666	35.62	40.36	-24.10	51.87	68.30	16.43	Vertical
4	11014.166	39.53	38.40	-30.47	47.46	54.00	6.54	Vertical

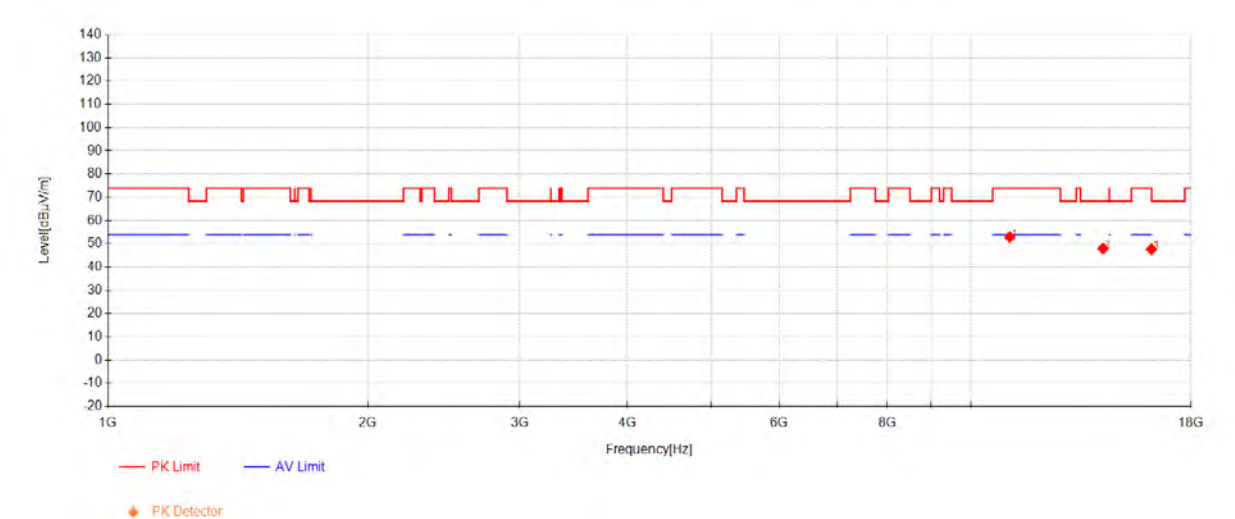


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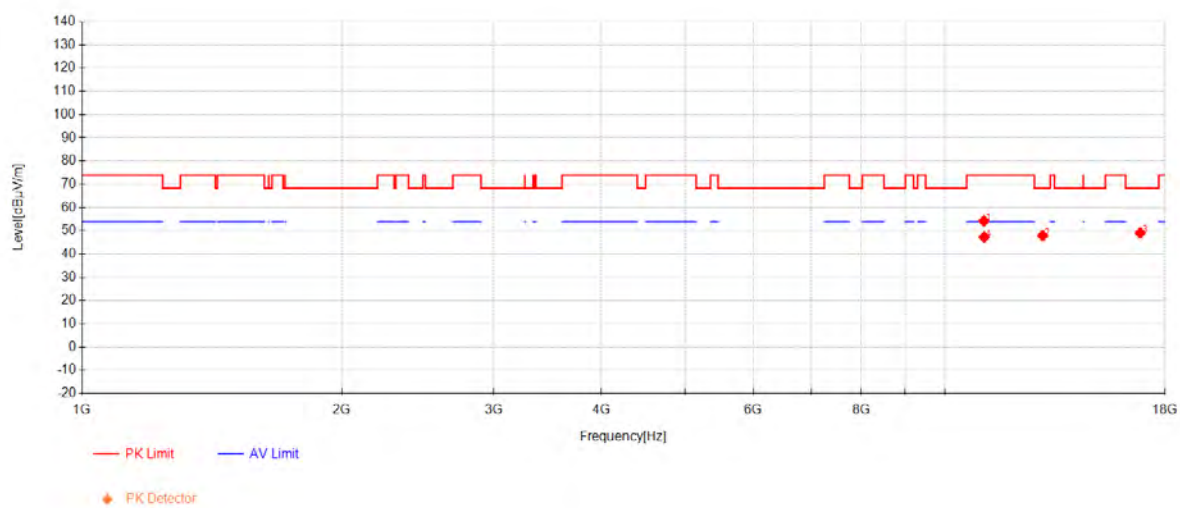


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11096.25	44.84	38.40	-30.33	52.91	74.00	21.09	Horizontal
2	14230	37.22	40.25	-29.53	47.94	68.30	20.36	Horizontal
3	16192.083	36.17	38.33	-26.91	47.59	74.00	26.41	Horizontal



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	11099.166	46.16	38.40	-30.32	54.24	74.00	19.76	Vertical
2	12983.75	38.08	39.58	-29.79	47.88	68.30	20.42	Vertical
3	16844.583	36.46	38.79	-26.21	49.04	68.30	19.26	Vertical
4	11106.25	39.15	38.40	-30.30	47.25	54.00	6.75	Vertical

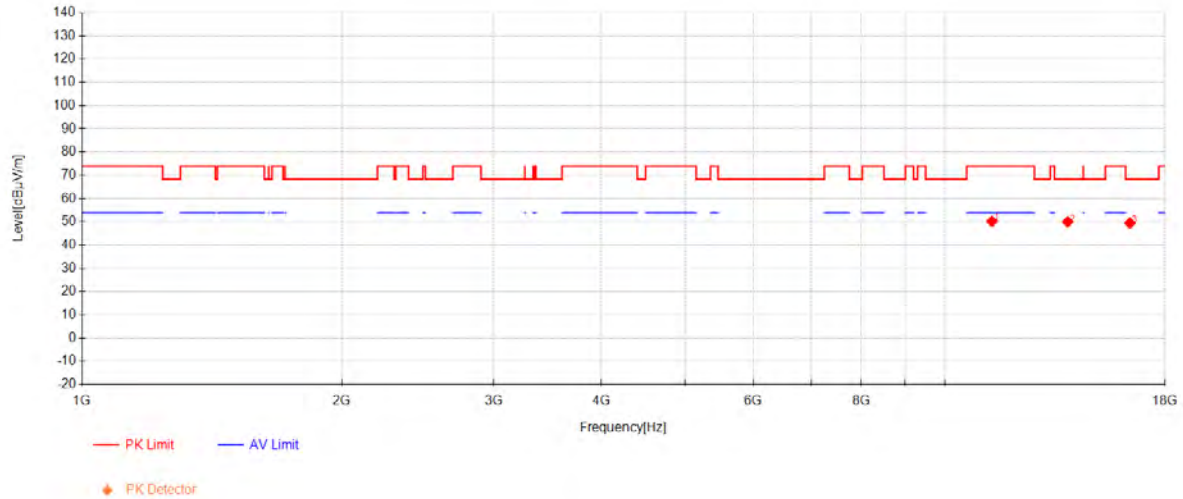
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802.11ac40 Channel 134



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11338.75	42.01	38.40	-30.25	50.16	74.00	23.84	Horizontal
2	13880.416	38.32	40.22	-28.58	49.96	68.30	18.34	Horizontal
3	16387.5	37.51	38.47	-26.54	49.44	68.30	18.86	Horizontal

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

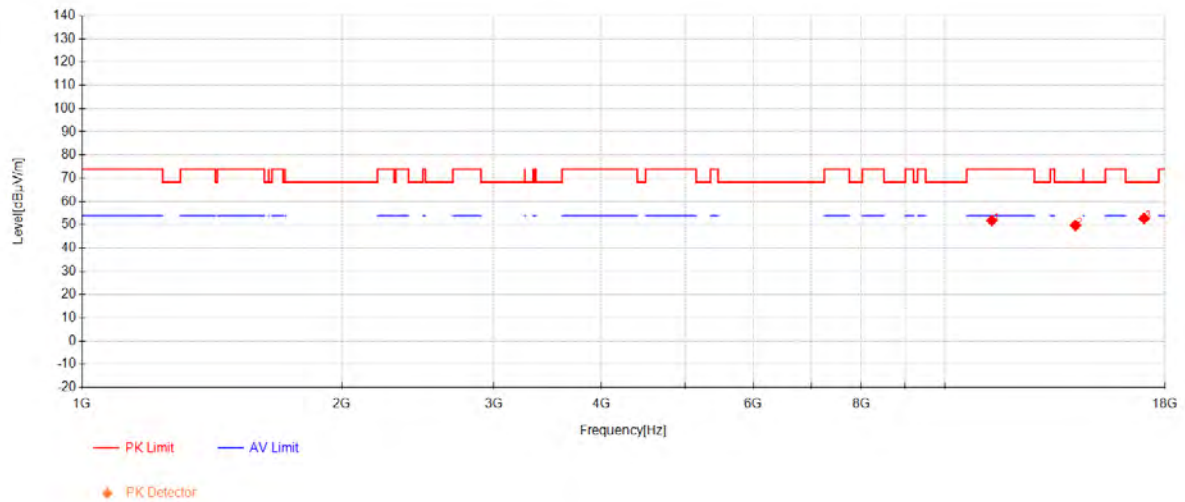
Compliance Certification Services (Kunshan) Inc.

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Data List

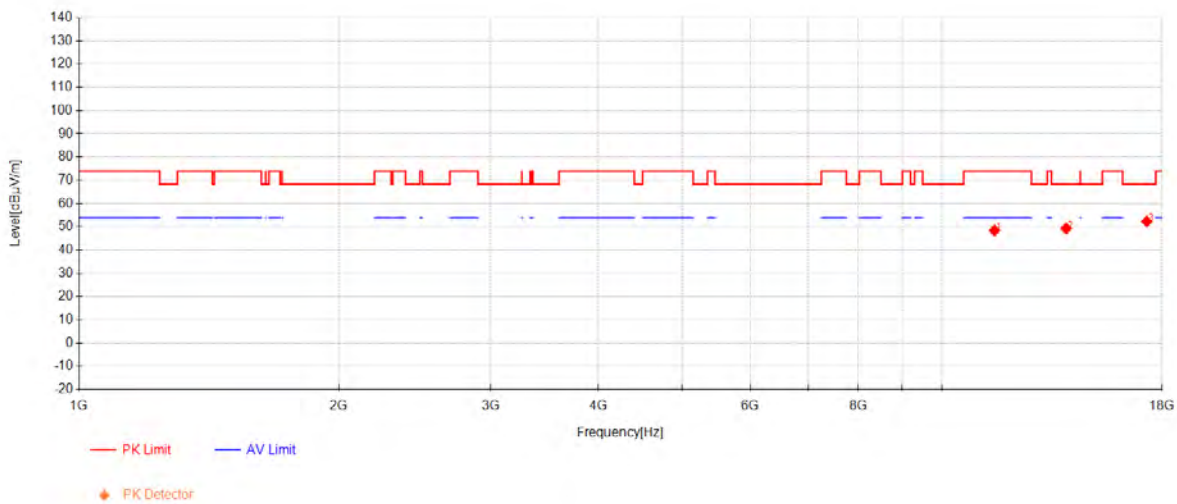
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11335.833	43.68	38.40	-30.27	51.81	74.00	22.19	Vertical
2	14172.5	38.85	40.27	-29.40	49.71	68.30	18.59	Vertical
3	17020.416	39.21	38.95	-25.40	52.76	68.30	15.54	Vertical

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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	11507.083	39.91	38.40	-29.96	48.35	74.00	25.65	Horizontal
2	13932.916	37.81	40.25	-28.84	49.22	68.30	19.08	Horizontal
3	17277.916	38.29	39.57	-25.58	52.28	68.30	16.02	Horizontal

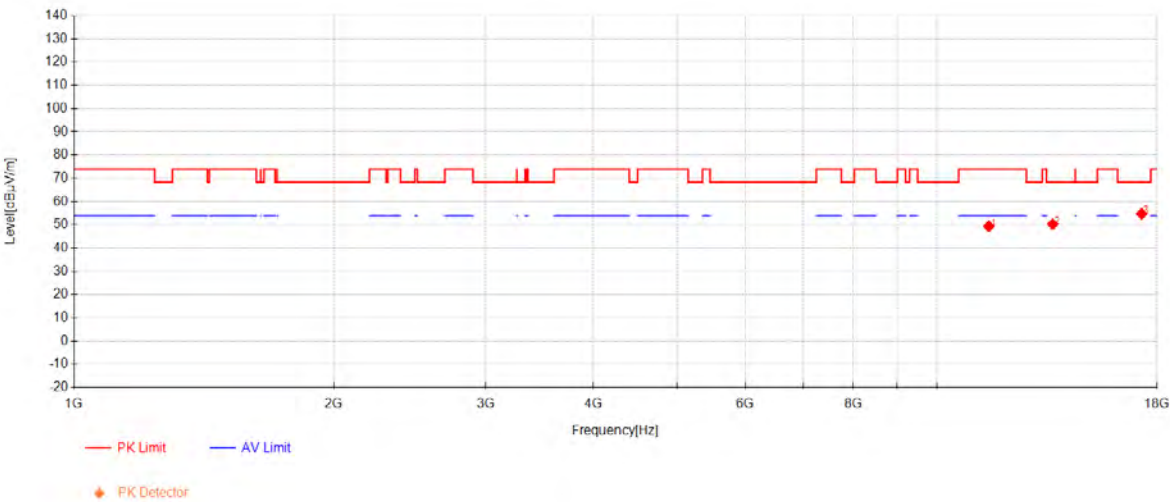
Compliance Certification Services (Kunshan) Inc.

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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	11489.166	40.88	38.40	-29.98	49.30	74.00	24.70	Vertical
2	13622.916	38.20	40.04	-28.01	50.23	68.30	18.07	Vertical
3	17275.416	40.77	39.56	-25.56	54.77	68.30	13.53	Vertical

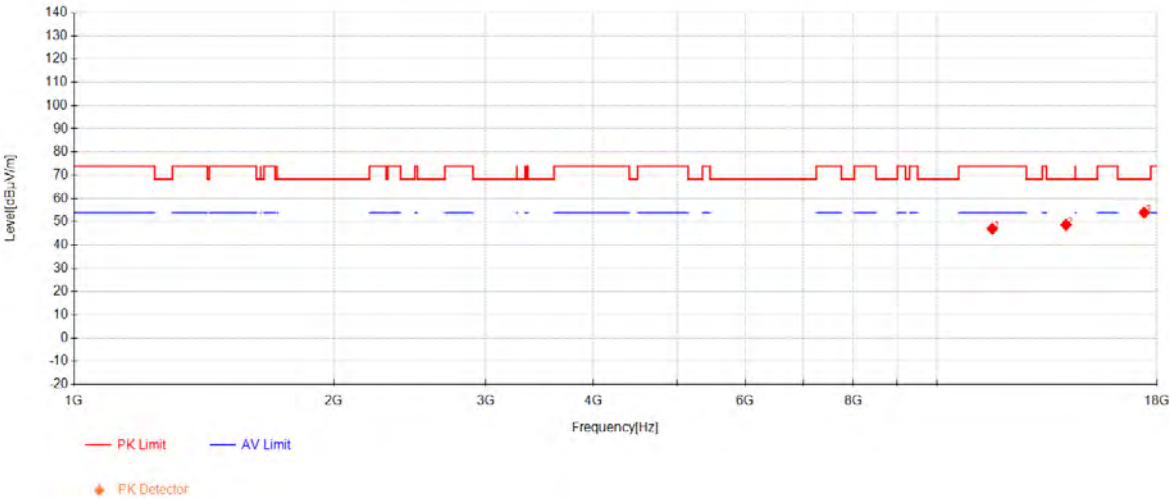
Compliance Certification Services (Kunshan) Inc.

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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	11594.166	38.20	38.40	-29.61	46.99	74.00	27.01	Horizontal
2	14116.25	37.41	40.28	-29.04	48.64	68.30	19.66	Horizontal
3	17391.25	39.32	39.84	-25.18	53.98	68.30	14.32	Horizontal

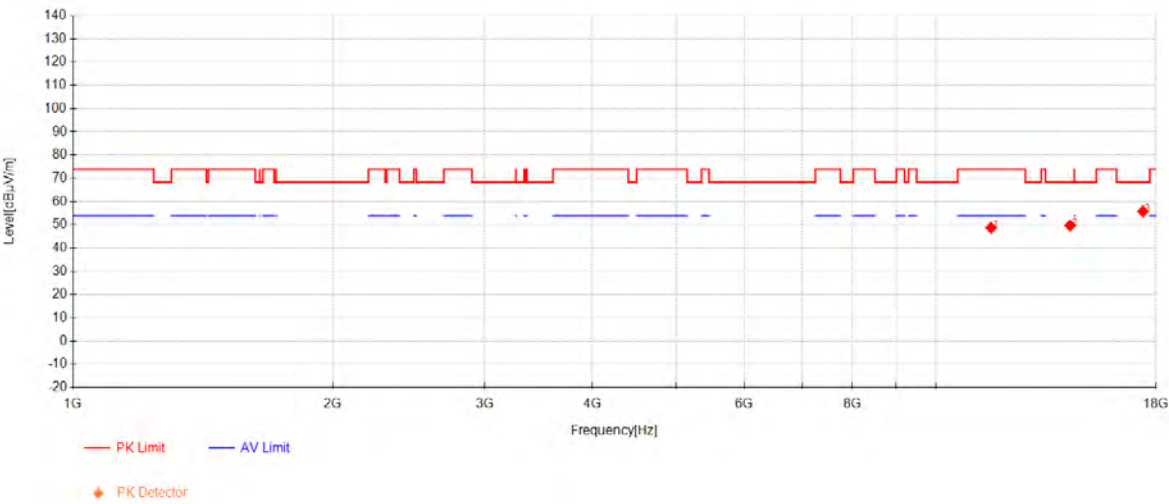
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11589.583	39.91	38.40	-29.63	48.68	74.00	25.32	Vertical
2	14309.583	38.75	40.24	-29.31	49.68	68.30	18.62	Vertical
3	17379.166	41.25	39.81	-25.26	55.80	68.30	12.50	Vertical

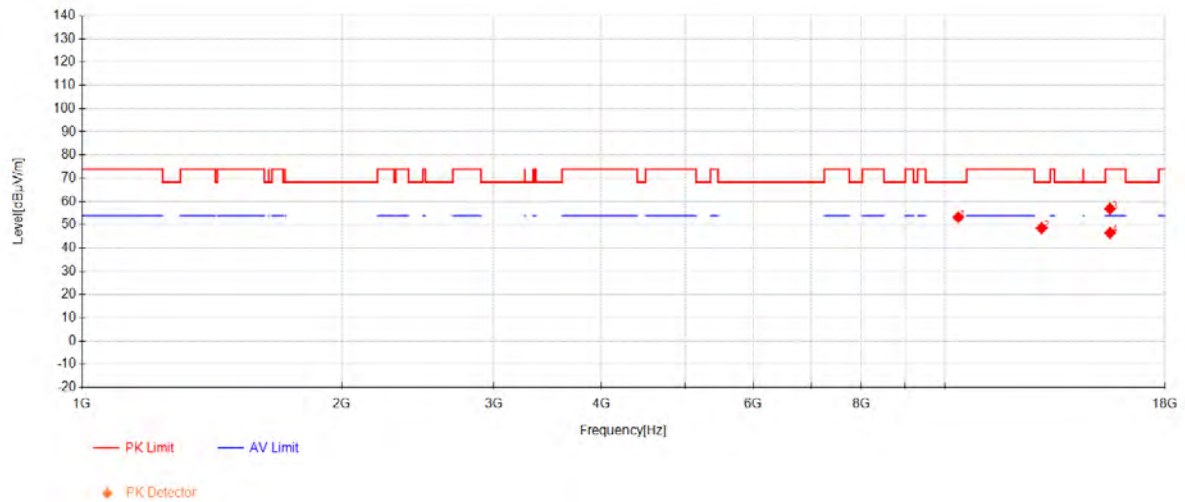
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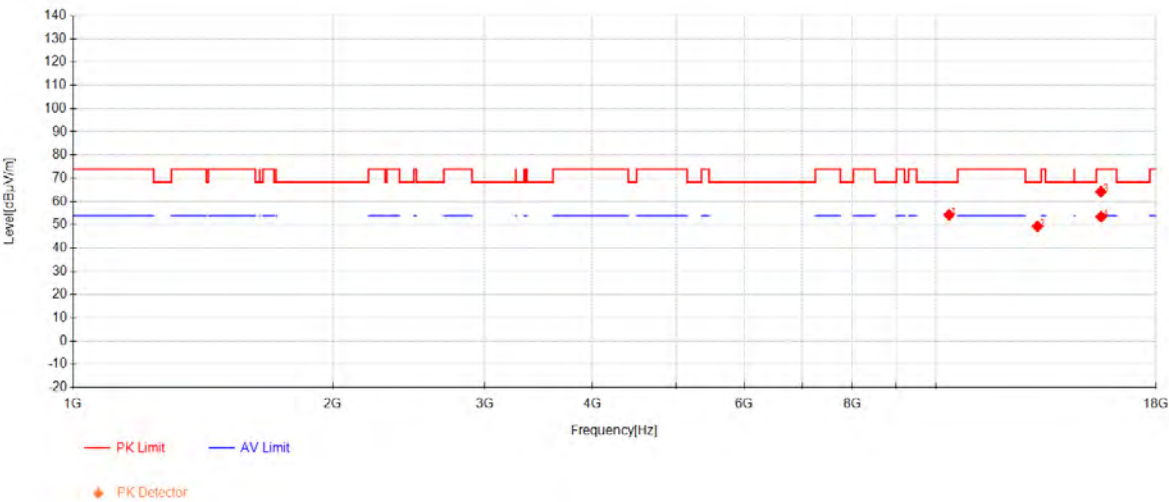
802.11ax20 Channel 36



Data List

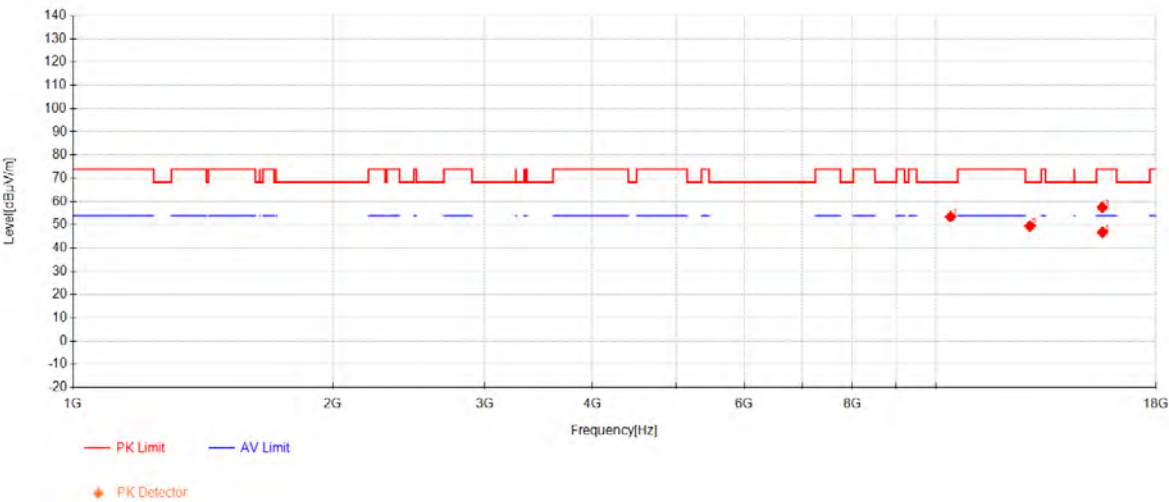
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10365.833	46.60	38.08	-31.44	53.25	68.30	15.05	Horizontal
2	12948.75	38.60	39.54	-29.62	48.51	68.30	19.79	Horizontal
3	15538.333	45.42	39.08	-27.59	56.91	74.00	17.09	Horizontal
4	15540.833	34.99	39.07	-27.58	46.48	54.00	7.52	Horizontal

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	10358.75	47.70	38.08	-31.49	54.29	68.30	14.01	Vertical
2	13117.083	38.49	39.68	-28.95	49.23	68.30	19.07	Vertical
3	15537.5	52.76	39.08	-27.59	64.25	74.00	9.75	Vertical
4	15543.75	41.95	39.07	-27.57	53.44	54.00	0.56	Vertical

802.11ax20 Channel 40



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10399.166	46.54	38.10	-31.17	53.47	68.30	14.83	Horizontal
2	12851.666	39.58	39.42	-29.65	49.36	68.30	18.94	Horizontal
3	15592.083	45.95	38.98	-27.47	57.46	74.00	16.54	Horizontal
4	15601.666	35.25	38.96	-27.46	46.75	54.00	7.25	Horizontal

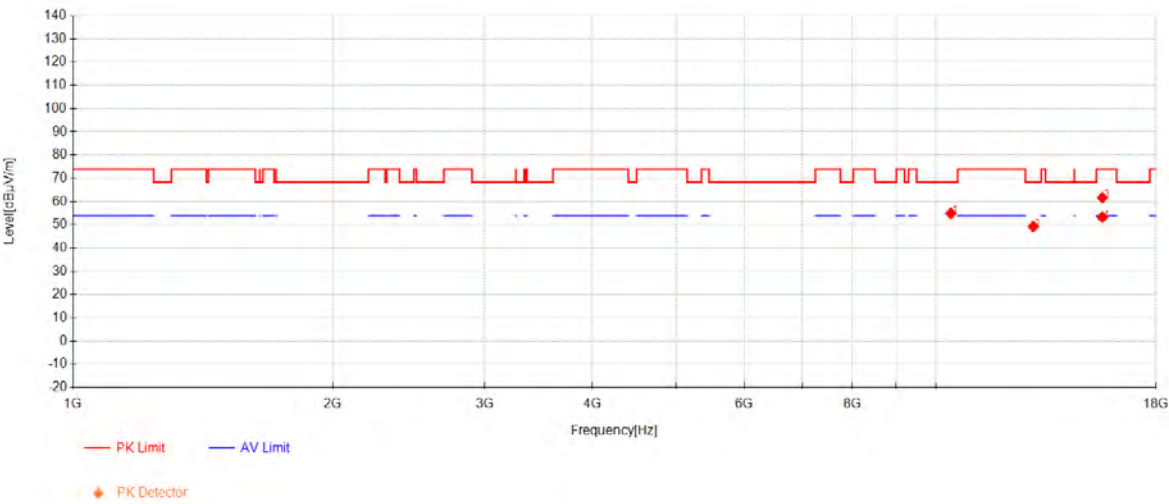
Compliance Certification Services (Kunshan) Inc.

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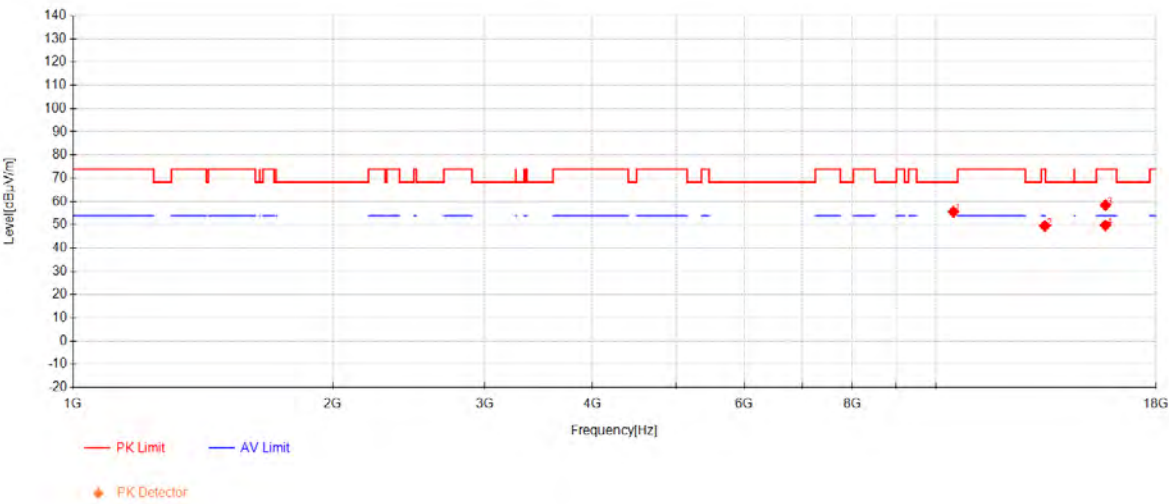
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802.11ax20 Channel 40



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10406.25	48.02	38.10	-31.15	54.97	68.30	13.33	Vertical
2	12969.583	39.37	39.56	-29.72	49.21	68.30	19.09	Vertical
3	15598.333	50.13	38.96	-27.45	61.64	74.00	12.36	Vertical
4	15595.416	41.76	38.97	-27.46	53.27	54.00	0.73	Vertical

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	10481.25	48.48	38.14	-31.05	55.57	68.30	12.73	Horizontal
2	13375	38.65	39.86	-29.04	49.47	74.00	24.53	Horizontal
3	15725	47.43	38.72	-27.73	58.43	74.00	15.57	Horizontal
4	15725	38.73	38.72	-27.73	49.73	54.00	4.27	Horizontal

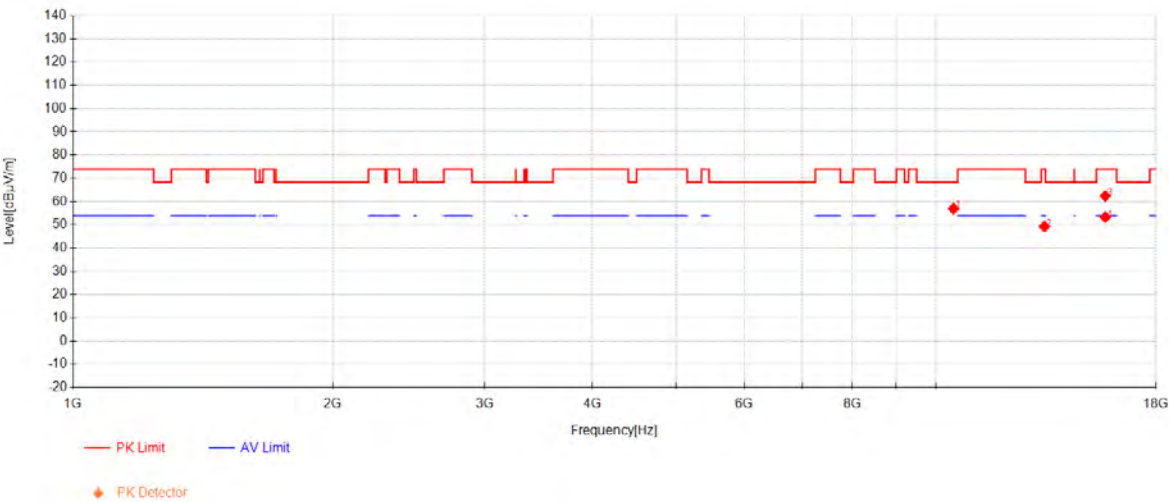
Compliance Certification Services (Kunshan) Inc.

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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	10482.5	49.84	38.14	-31.05	56.93	68.30	11.37	Vertical
2	13358.75	38.45	39.85	-29.12	49.18	74.00	24.82	Vertical
3	15716.666	51.46	38.74	-27.80	62.40	74.00	11.60	Vertical
4	15718.333	42.34	38.74	-27.79	53.29	54.00	0.71	Vertical

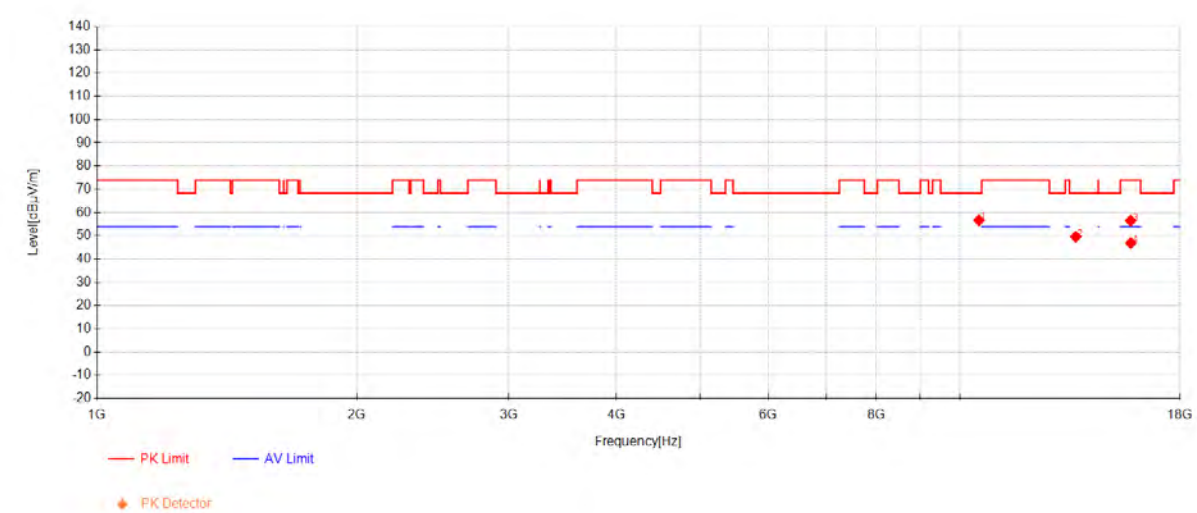
Compliance Certification Services (Kunshan) Inc.

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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	10522.916	49.59	38.16	-31.07	56.68	68.30	11.62	Horizontal
2	13624.583	37.54	40.04	-28.03	49.54	68.30	18.76	Horizontal
3	15774.166	45.14	38.63	-27.28	56.49	74.00	17.51	Horizontal
4	15782.5	35.44	38.61	-27.21	46.85	54.00	7.15	Horizontal

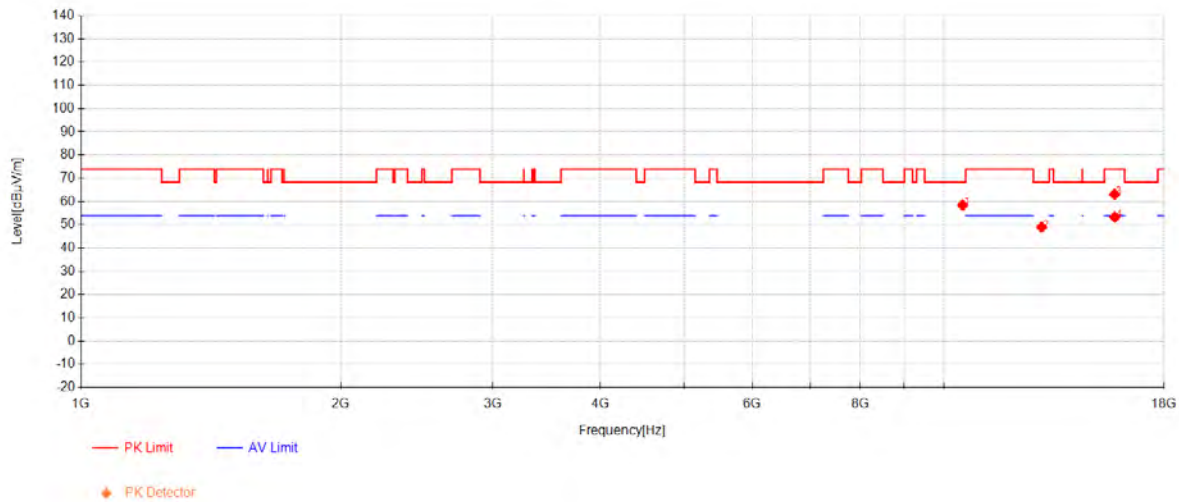
Compliance Certification Services (Kunshan) Inc.

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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	10515	51.29	38.16	-31.06	58.39	68.30	9.91	Vertical
2	12982.5	39.16	39.58	-29.78	48.96	68.30	19.34	Vertical
3	15772.916	51.81	38.63	-27.29	63.15	74.00	10.85	Vertical
4	15778.75	41.93	38.62	-27.24	53.31	54.00	0.69	Vertical

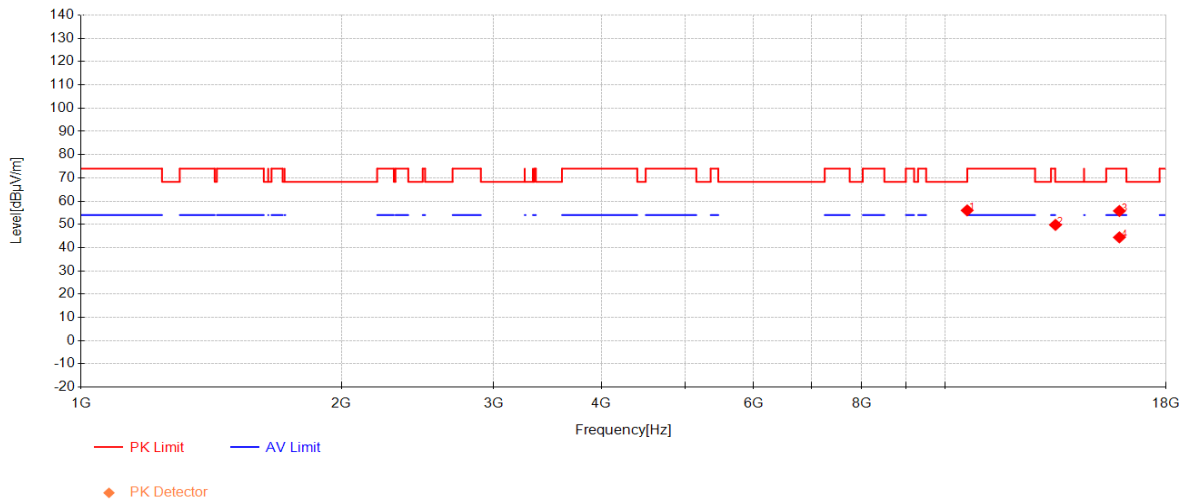
Compliance Certification Services (Kunshan) Inc.

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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	10597.916	49.03	38.20	-31.20	56.03	68.30	12.27	Horizontal
2	13410	38.88	39.89	-28.97	49.79	68.30	18.51	Horizontal
3	15900	44.86	38.39	-27.48	55.77	74.00	18.23	Horizontal
4	15900	33.52	38.39	-27.48	44.43	54.00	9.57	Horizontal

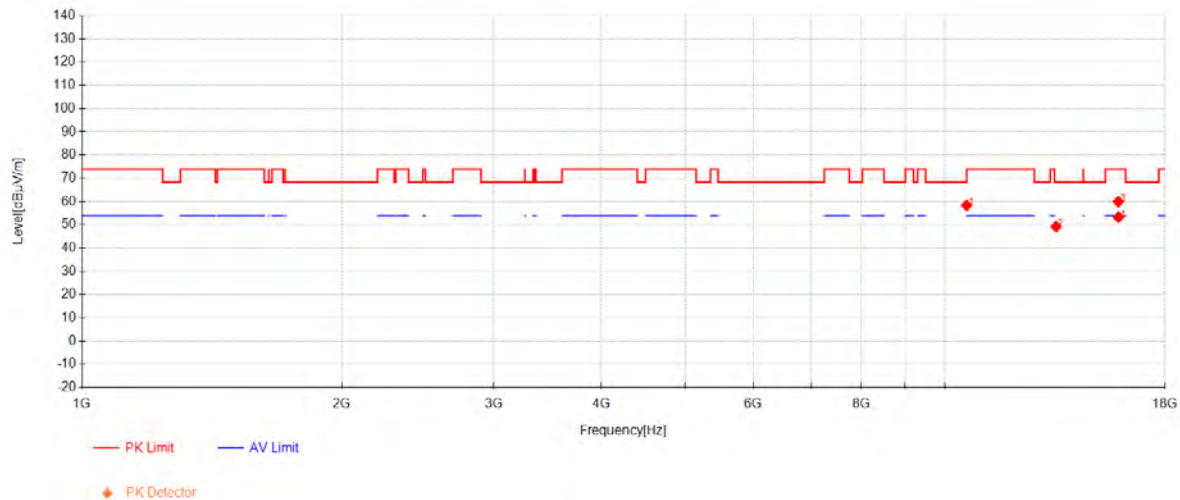
Compliance Certification Services (Kunshan) Inc.

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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	10599.583	51.31	38.20	-31.20	58.31	68.30	9.99	Vertical
2	13458.75	38.52	39.92	-29.28	49.16	68.30	19.14	Vertical
3	15890.416	48.97	38.41	-27.44	59.94	74.00	14.06	Vertical
4	15894.583	42.32	38.40	-27.46	53.26	54.00	0.74	Vertical

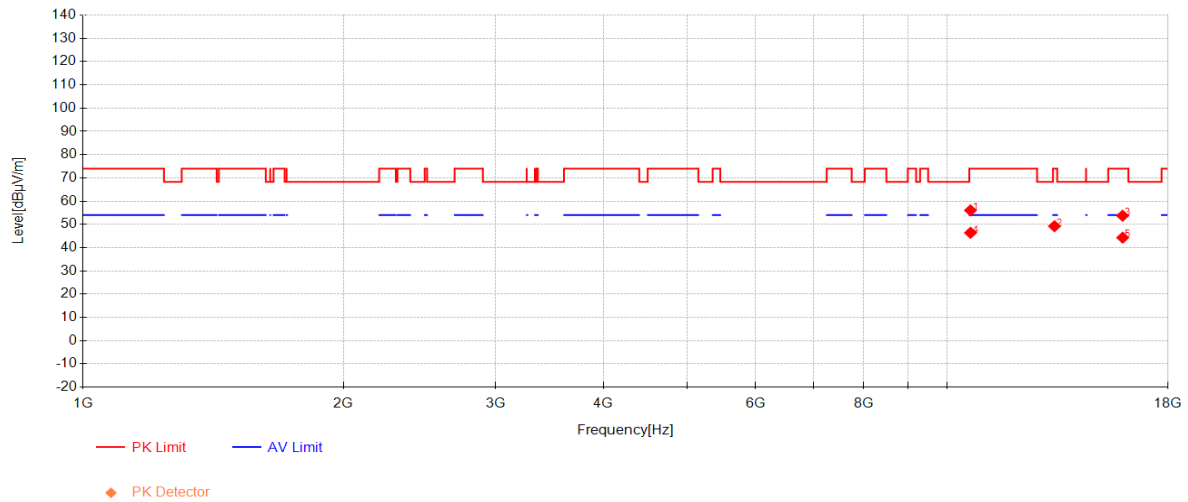
Compliance Certification Services (Kunshan) Inc.

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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	10634.583	48.71	38.22	-30.89	56.04	74.00	17.96	Horizontal
2	13301.666	38.82	39.81	-29.41	49.22	74.00	24.78	Horizontal
3	15953.75	42.90	38.29	-27.45	53.73	74.00	20.27	Horizontal
4	10636.25	39.03	38.22	-30.87	46.37	54.00	7.63	Horizontal
5	15956.25	33.45	38.28	-27.45	44.28	54.00	9.72	Horizontal

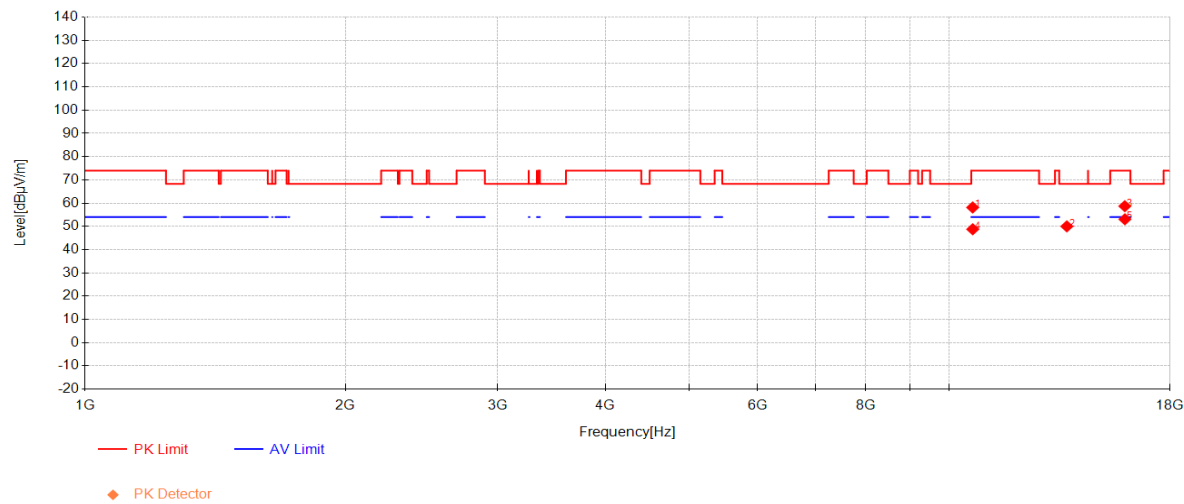
Compliance Certification Services (Kunshan) Inc.

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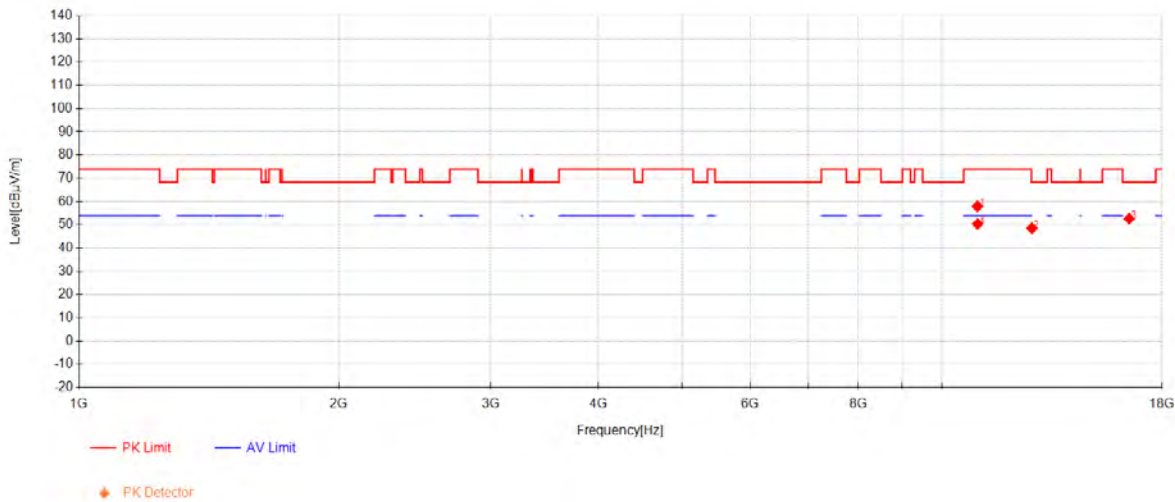
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802.11ax20 Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10641.25	50.74	38.22	-30.83	58.13	74.00	15.87	Vertical
2	13675	38.76	40.07	-28.82	50.01	68.30	18.29	Vertical
3	15960.416	47.85	38.28	-27.45	58.68	74.00	15.32	Vertical
4	10642.916	41.36	38.22	-30.81	48.77	54.00	5.23	Vertical
5	15964.166	42.23	38.27	-27.45	53.05	54.00	0.95	Vertical

802.11ax20 Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10995.416	50.04	38.40	-30.49	57.94	74.00	16.06	Horizontal
2	12715.833	38.83	39.26	-29.60	48.49	68.30	19.81	Horizontal
3	16488.333	40.70	38.54	-26.59	52.65	68.30	15.65	Horizontal
4	11002.083	42.40	38.40	-30.50	50.30	54.00	3.70	Horizontal

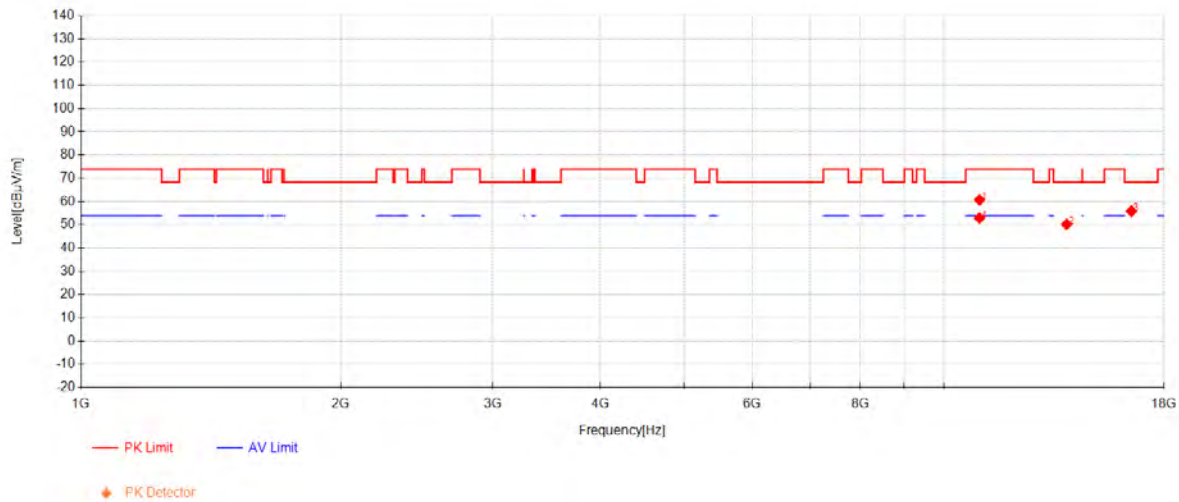
Compliance Certification Services (Kunshan) Inc.

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802.11ax20 Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10998.75	52.79	38.40	-30.50	60.69	74.00	13.31	Vertical
2	13878.75	38.56	40.22	-28.59	50.18	68.30	18.12	Vertical
3	16497.916	43.95	38.55	-26.60	55.90	68.30	12.40	Vertical
4	10997.083	45.01	38.40	-30.50	52.91	54.00	1.09	Vertical

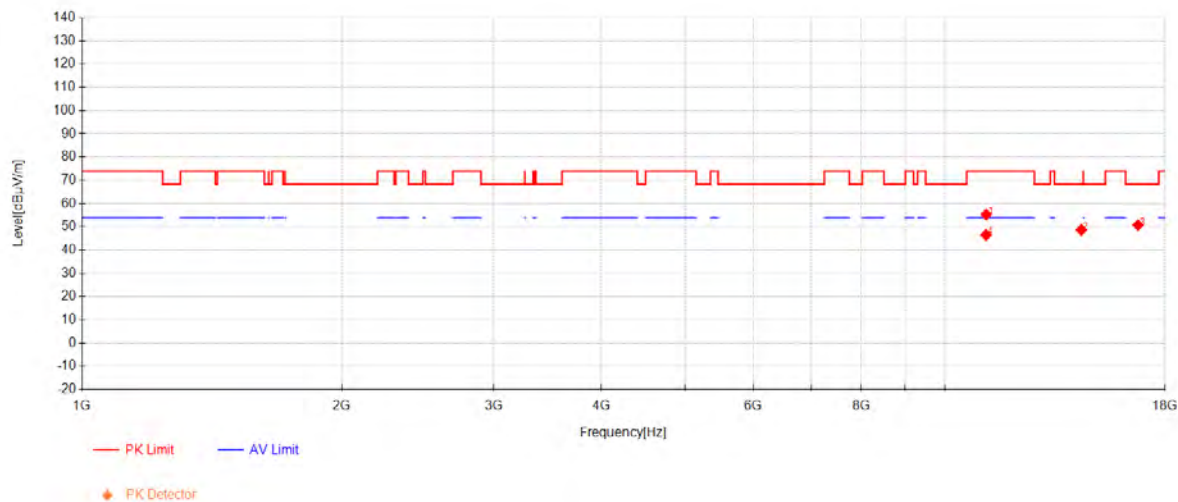
Compliance Certification Services (Kunshan) Inc.

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802.11ax20 Channel 116



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11167.5	46.96	38.40	-30.08	55.28	74.00	18.72	Horizontal
2	14392.5	36.86	40.22	-28.47	48.61	68.30	19.69	Horizontal
3	16745.833	38.50	38.72	-26.48	50.74	68.30	17.56	Horizontal
4	11161.25	38.15	38.40	-30.10	46.45	54.00	7.55	Horizontal

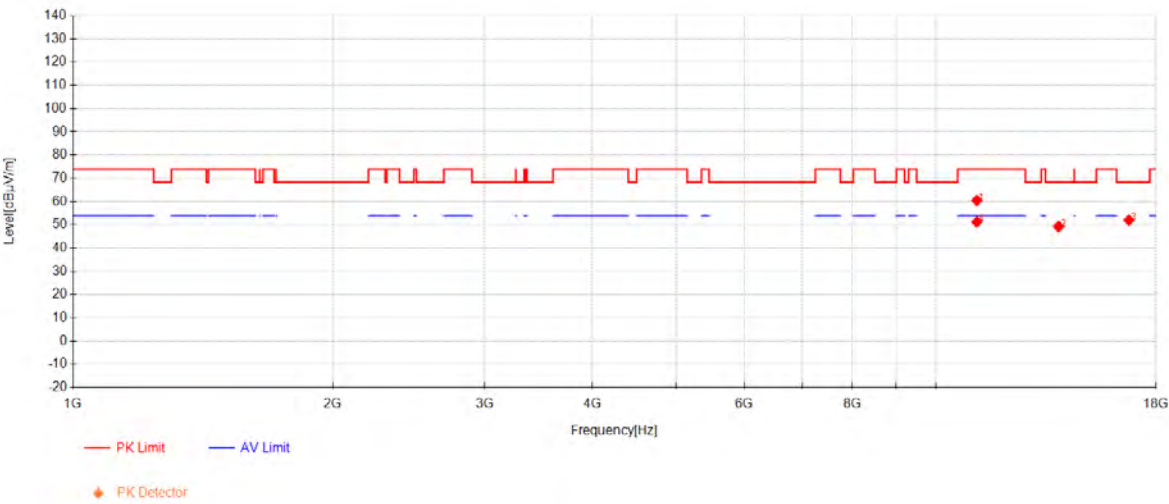
Compliance Certification Services (Kunshan) Inc.

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802.11ax20 Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11157.5	52.17	38.40	-30.11	60.46	74.00	13.54	Vertical
2	13877.916	37.60	40.21	-28.60	49.22	68.30	19.08	Vertical
3	16743.333	39.79	38.72	-26.49	52.02	68.30	16.28	Vertical
4	11158.333	42.93	38.40	-30.11	51.22	54.00	2.78	Vertical

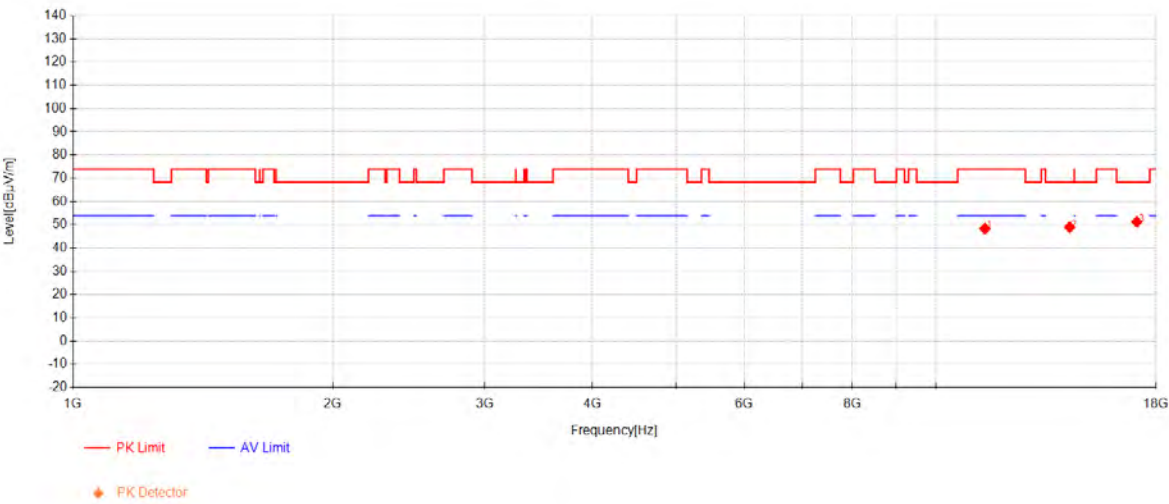
Compliance Certification Services (Kunshan) Inc.

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802.11ax20 Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11400	39.77	38.40	-29.86	48.31	74.00	25.69	Horizontal
2	14293.75	38.13	40.24	-29.42	48.95	68.30	19.35	Horizontal
3	17097.083	38.09	39.13	-25.97	51.25	68.30	17.05	Horizontal

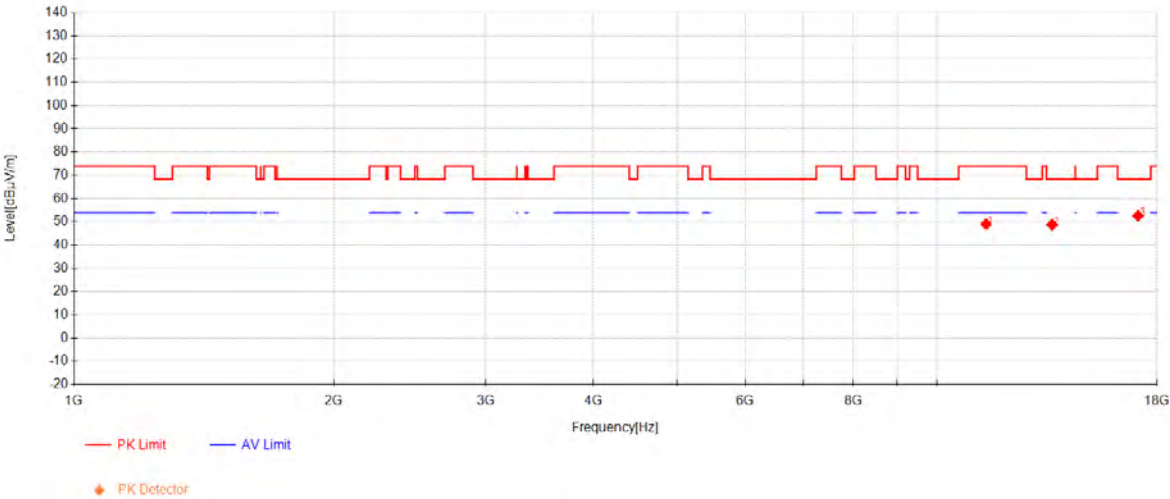
Compliance Certification Services (Kunshan) Inc.

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802.11ax20 Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11405.416	40.47	38.40	-29.87	49.00	74.00	25.00	Vertical
2	13600.833	36.34	40.02	-27.66	48.70	68.30	19.60	Vertical
3	17107.5	39.33	39.16	-25.90	52.59	68.30	15.71	Vertical

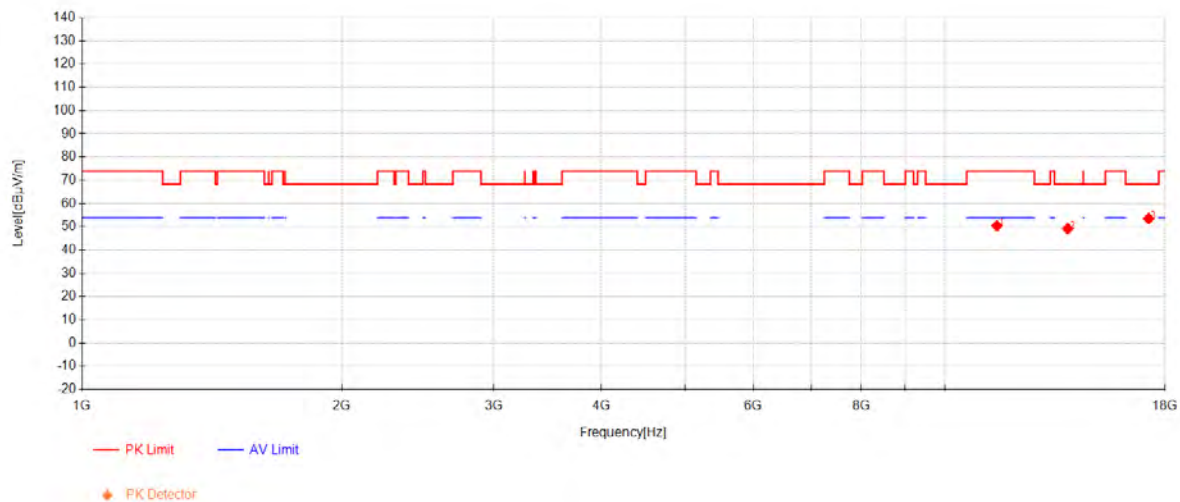
Compliance Certification Services (Kunshan) Inc.

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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	11491.666	41.98	38.40	-29.98	50.40	74.00	23.60	Horizontal
2	13881.25	37.49	40.22	-28.57	49.14	68.30	19.16	Horizontal
3	17227.916	39.18	39.45	-25.09	53.54	68.30	14.76	Horizontal

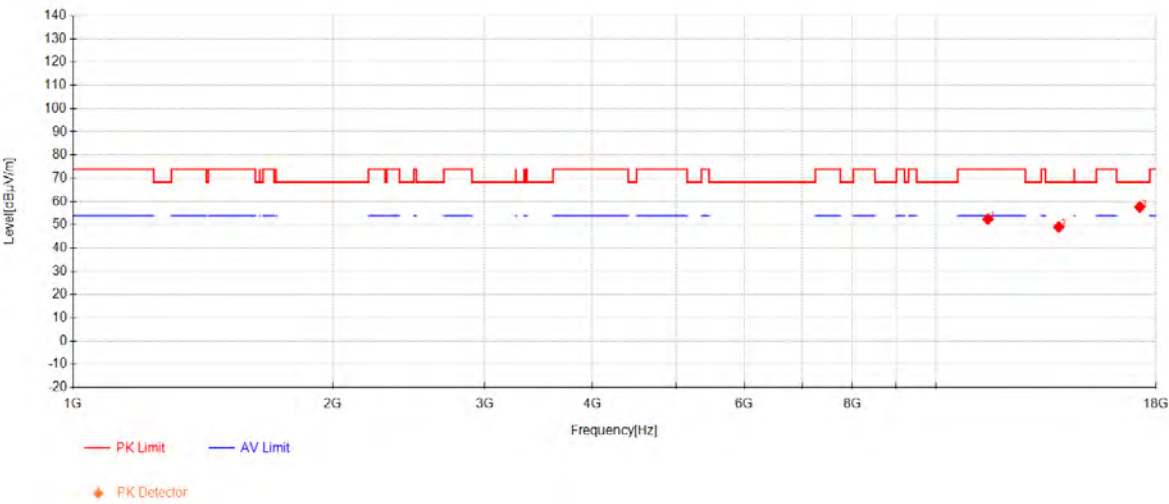
Compliance Certification Services (Kunshan) Inc.

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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	11490.416	43.97	38.40	-29.98	52.39	74.00	21.61	Vertical
2	13882.083	37.34	40.22	-28.56	49.00	68.30	19.30	Vertical
3	17232.5	43.30	39.46	-25.13	57.63	68.30	10.67	Vertical

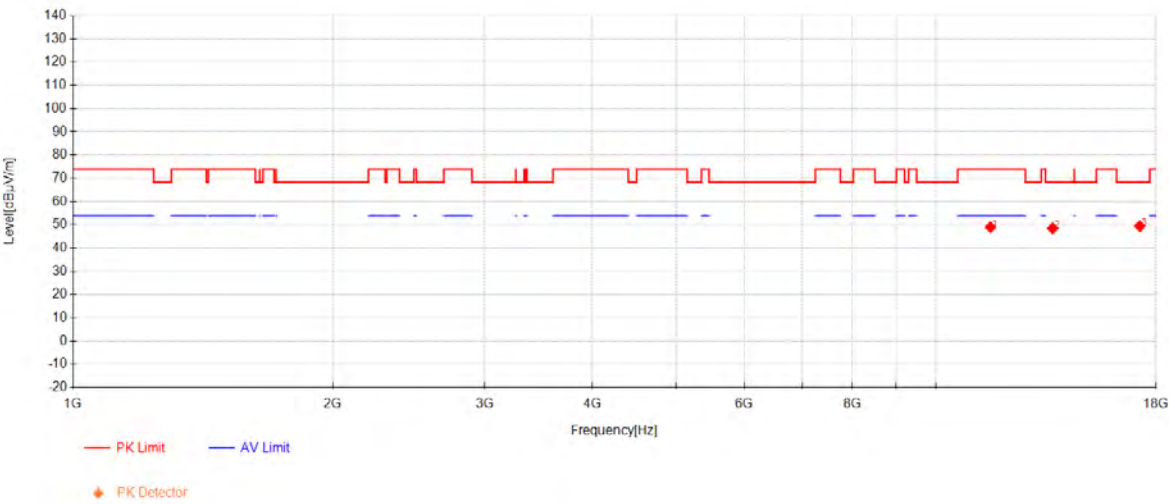
Compliance Certification Services (Kunshan) Inc.

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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	11570.416	40.26	38.40	-29.71	48.95	74.00	25.05	Horizontal
2	13655.416	36.88	40.06	-28.51	48.42	68.30	19.88	Horizontal
3	17233.333	35.04	39.46	-25.14	49.36	68.30	18.94	Horizontal

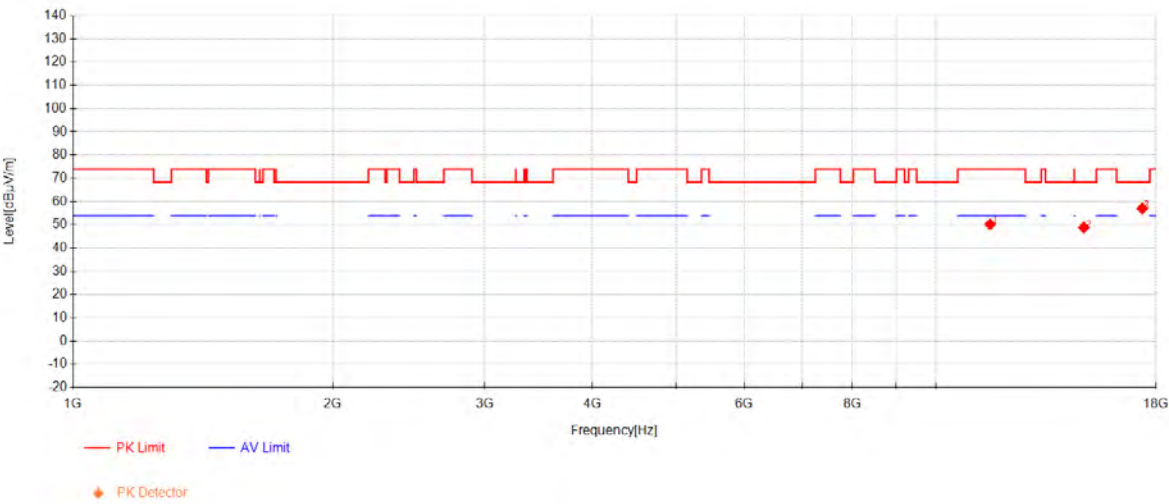
Compliance Certification Services (Kunshan) Inc.

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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	11558.75	41.51	38.40	-29.76	50.15	74.00	23.85	Vertical
2	14844.166	36.27	40.13	-27.59	48.81	68.30	19.49	Vertical
3	17349.166	42.76	39.74	-25.47	57.03	68.30	11.27	Vertical

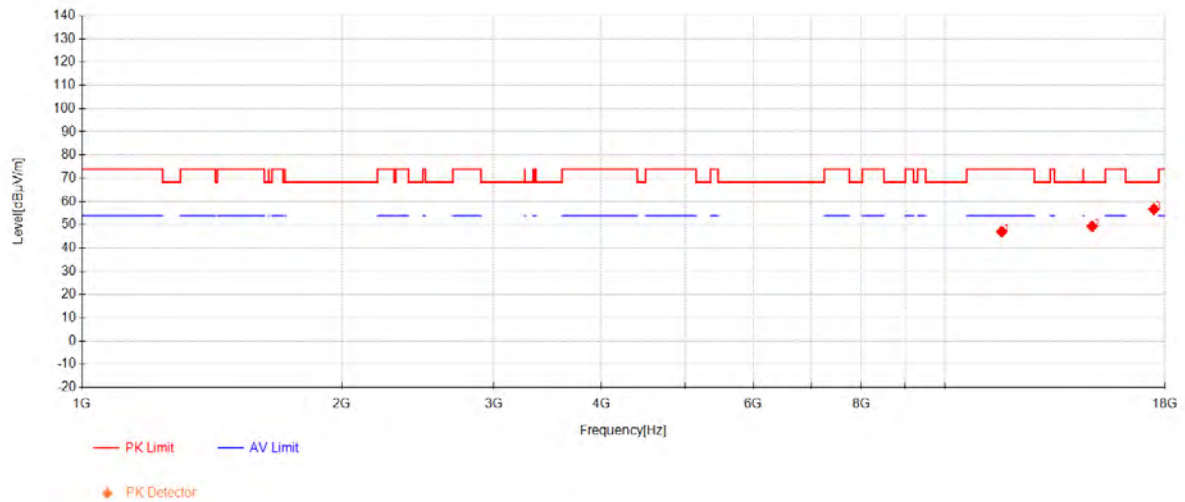
Compliance Certification Services (Kunshan) Inc.

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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	11640	38.21	38.40	-29.59	47.02	74.00	26.98	Horizontal
2	14815.833	36.54	40.14	-27.40	49.28	68.30	19.02	Horizontal
3	17470.833	40.89	40.03	-24.21	56.71	68.30	11.59	Horizontal

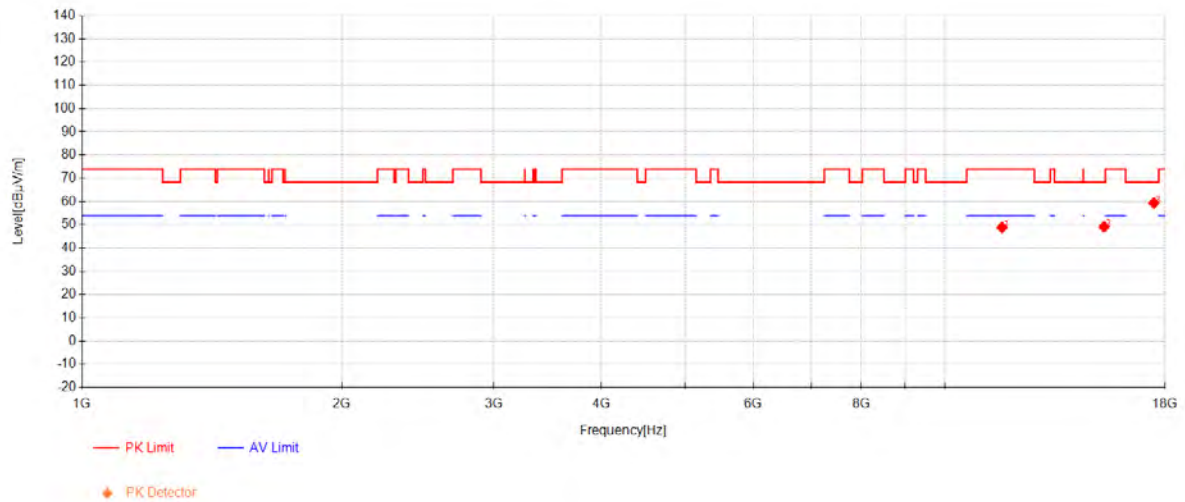
Compliance Certification Services (Kunshan) Inc.

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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	11650	39.98	38.40	-29.59	48.79	74.00	25.21	Vertical
2	15293.333	37.10	39.54	-27.56	49.09	68.30	19.21	Vertical
3	17470.416	43.51	40.03	-24.22	59.32	68.30	8.98	Vertical

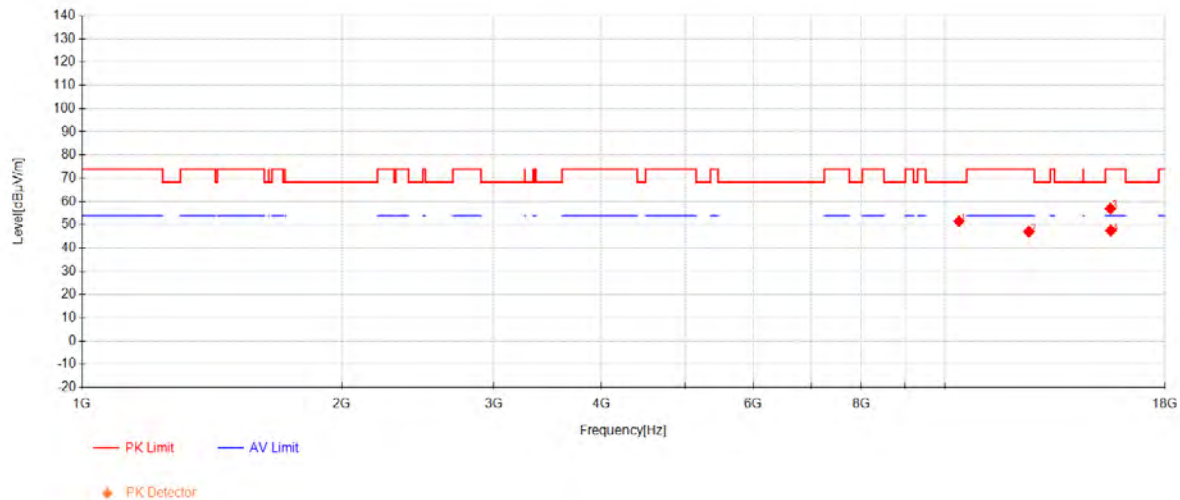
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802.11ax40 Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10384.166	44.68	38.09	-31.29	51.48	68.30	16.82	Horizontal
2	12515	37.84	39.02	-29.86	47.00	74.00	27.00	Horizontal
3	15558.333	45.46	39.04	-27.54	56.96	74.00	17.04	Horizontal
4	15573.75	35.95	39.01	-27.51	47.45	54.00	6.55	Horizontal

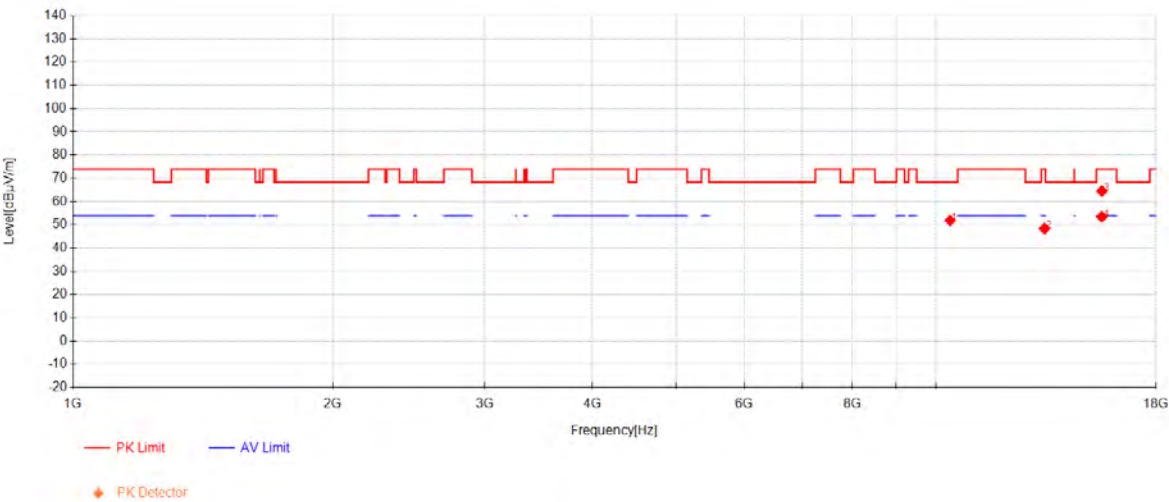
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802.11ax40 Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10387.083	45.02	38.09	-31.26	51.85	68.30	16.45	Vertical
2	13362.5	37.58	39.85	-29.10	48.33	74.00	25.67	Vertical
3	15575	53.06	39.01	-27.51	64.56	74.00	9.44	Vertical
4	15570.833	41.96	39.02	-27.51	53.46	54.00	0.54	Vertical

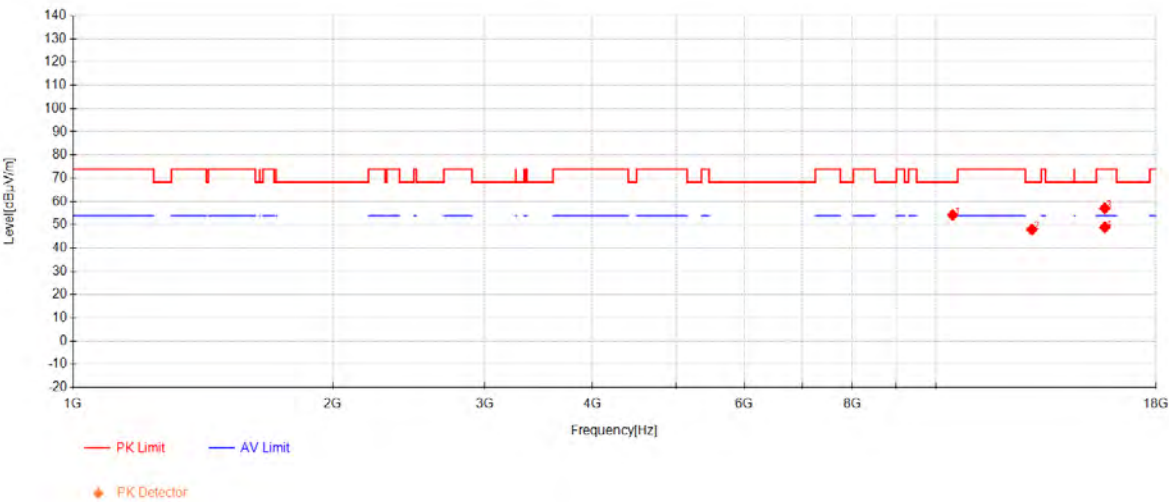
Compliance Certification Services (Kunshan) Inc.

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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	10459.583	47.20	38.13	-31.08	54.25	68.30	14.05	Horizontal
2	12920.833	37.93	39.50	-29.50	47.94	68.30	20.36	Horizontal
3	15696.666	46.26	38.78	-27.93	57.10	74.00	16.90	Horizontal
4	15700	38.03	38.77	-27.95	48.85	54.00	5.15	Horizontal

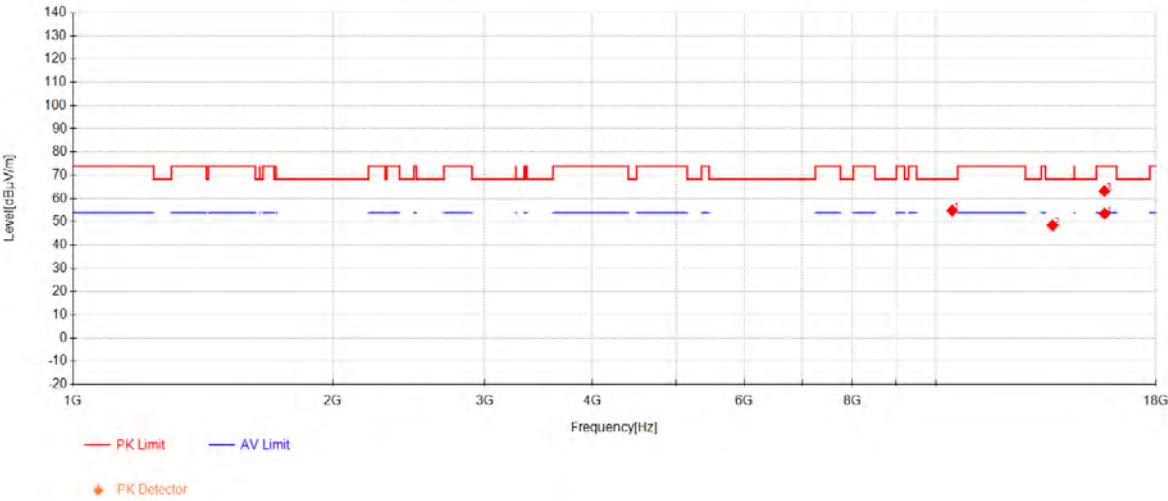
Compliance Certification Services (Kunshan) Inc.

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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	10446.666	47.83	38.12	-31.10	54.85	68.30	13.45	Vertical
2	13652.083	36.79	40.06	-28.46	48.38	68.30	19.92	Vertical
3	15681.666	52.33	38.80	-27.86	63.28	74.00	10.72	Vertical
4	15686.25	42.57	38.80	-27.88	53.48	54.00	0.52	Vertical

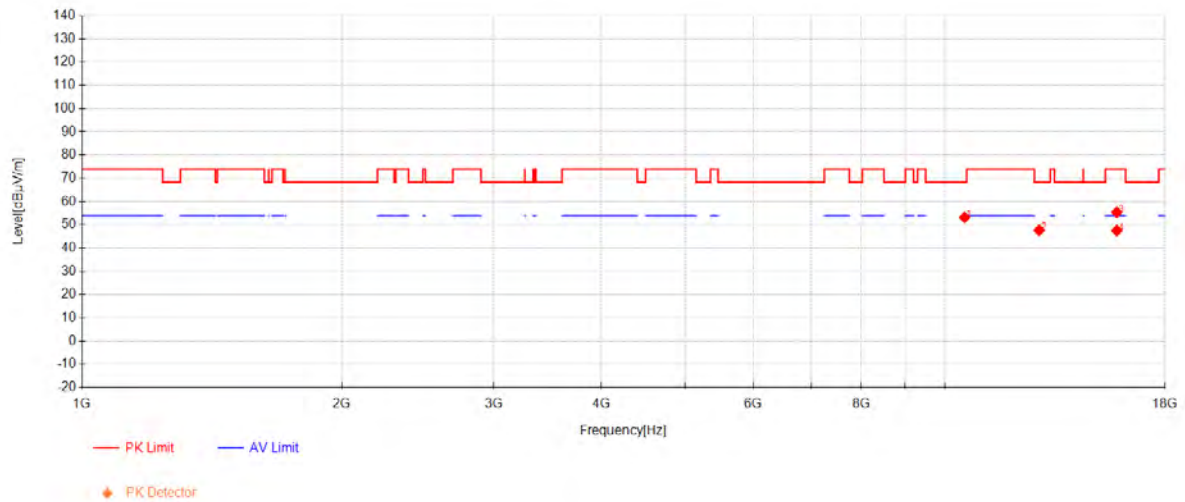
Compliance Certification Services (Kunshan) Inc.

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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	10540	46.11	38.17	-31.10	53.18	68.30	15.12	Horizontal
2	12864.583	37.77	39.44	-29.58	47.63	68.30	20.67	Horizontal
3	15823.333	44.01	38.54	-27.15	55.40	74.00	18.60	Horizontal
4	15823.333	36.10	38.54	-27.15	47.49	54.00	6.51	Horizontal

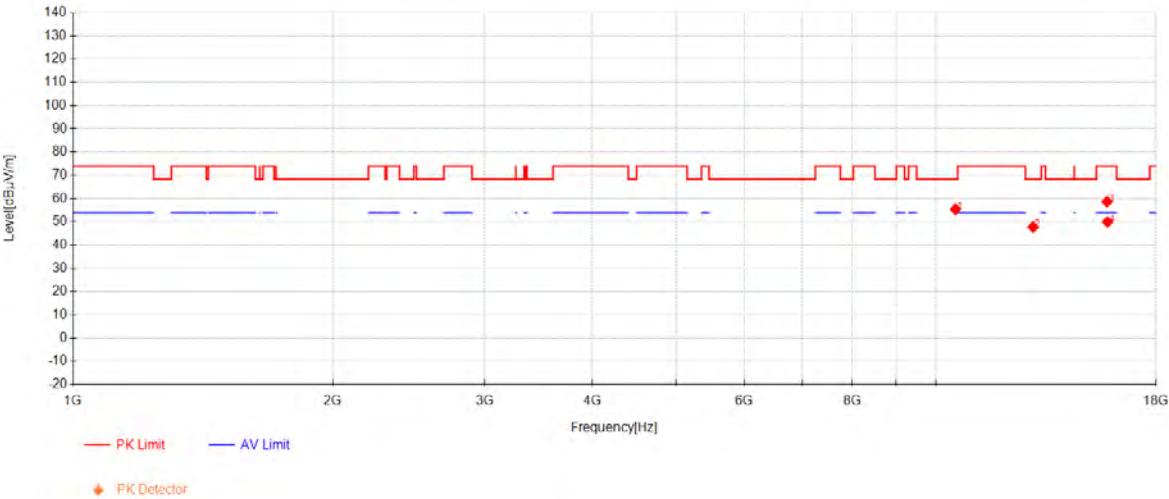
Compliance Certification Services (Kunshan) Inc.

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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	10539.166	48.35	38.17	-31.10	55.42	68.30	12.88	Vertical
2	12965	37.87	39.56	-29.70	47.73	68.30	20.57	Vertical
3	15793.333	47.16	38.59	-27.11	58.64	74.00	15.36	Vertical
4	15811.25	38.44	38.56	-27.10	49.90	54.00	4.10	Vertical

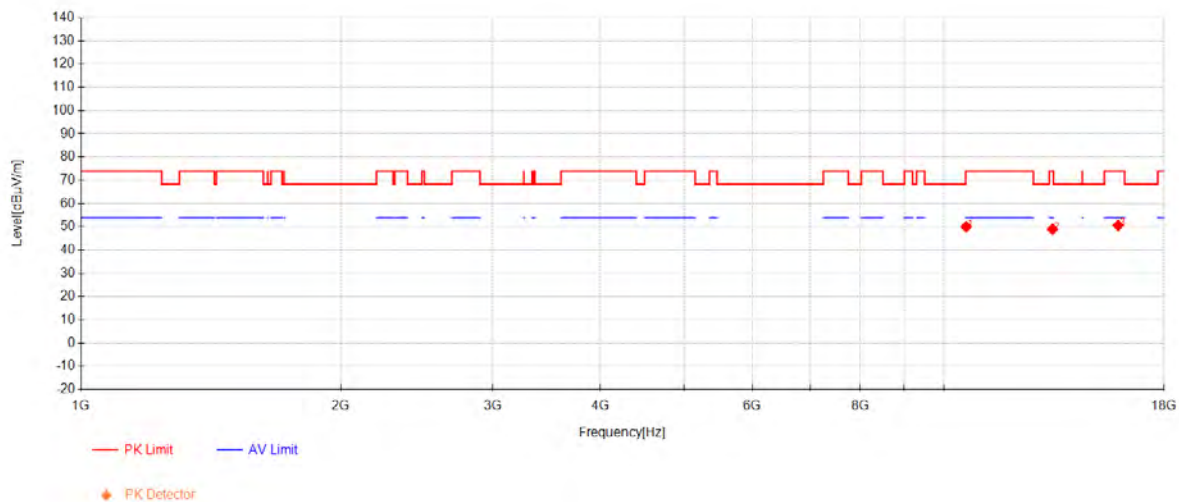
Compliance Certification Services (Kunshan) Inc.

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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	10616.666	42.85	38.21	-31.05	50.01	74.00	23.99	Horizontal
2	13366.25	38.17	39.86	-29.08	48.94	74.00	25.06	Horizontal
3	15925.833	39.70	38.34	-27.47	50.57	74.00	23.43	Horizontal

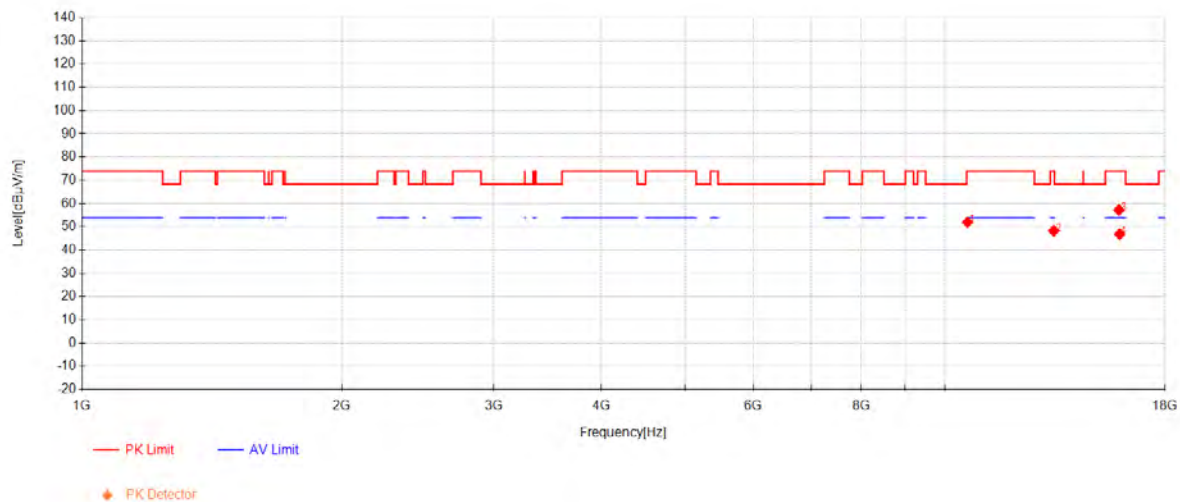
Compliance Certification Services (Kunshan) Inc.

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802.11ax40 Channel 62



Data List

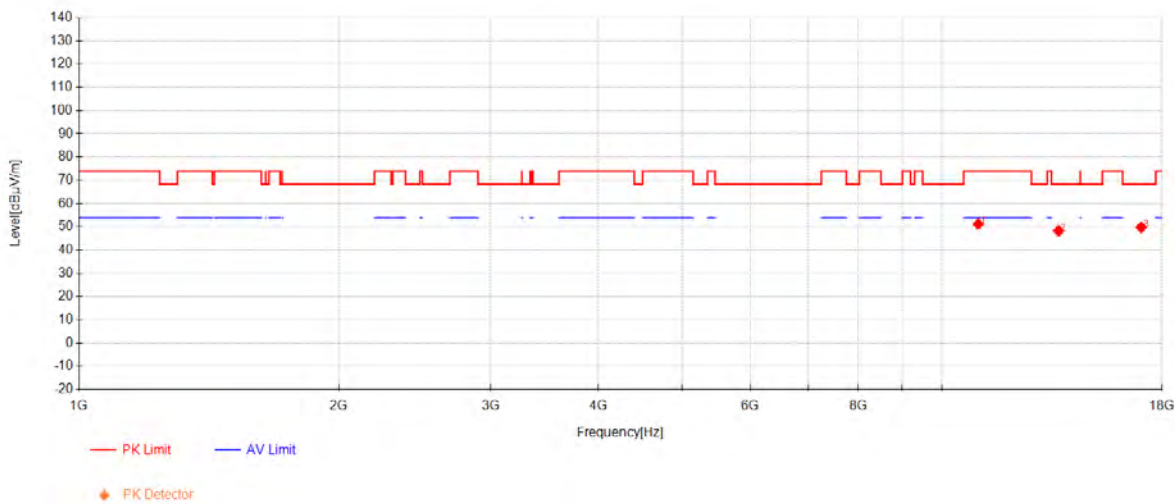
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10622.916	44.73	38.21	-30.99	51.95	74.00	22.05	Vertical
2	13372.916	37.42	39.86	-29.05	48.23	74.00	25.77	Vertical
3	15915	46.35	38.36	-27.47	57.24	74.00	16.76	Vertical
4	15944.583	35.97	38.31	-27.46	46.82	54.00	7.18	Vertical

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802.11ax40 Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11020	43.22	38.40	-30.46	51.16	74.00	22.84	Horizontal
2	13654.166	36.65	40.06	-28.49	48.21	68.30	20.09	Horizontal
3	17029.583	36.26	38.97	-25.47	49.76	68.30	18.54	Horizontal

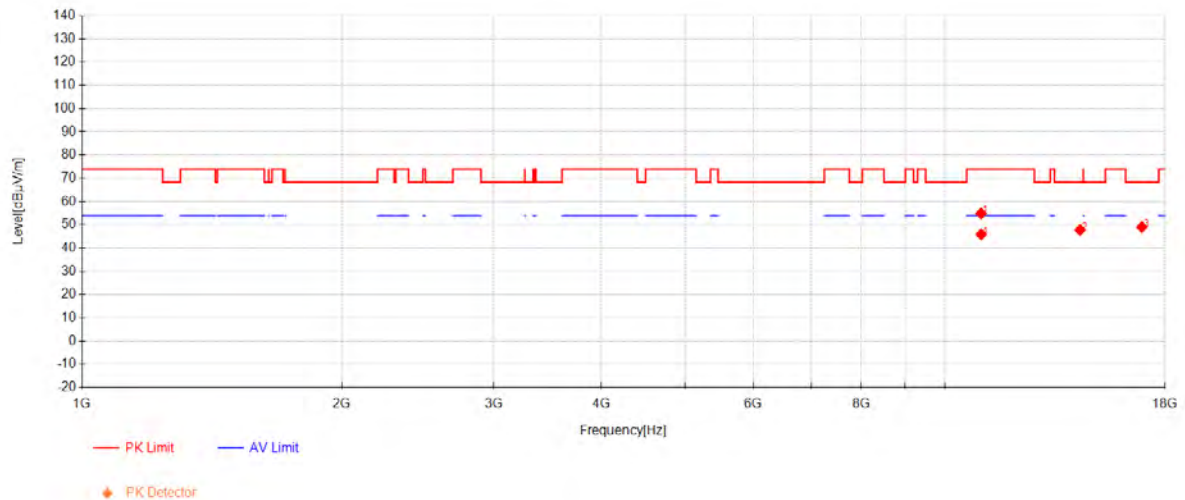
Compliance Certification Services (Kunshan) Inc.

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802.11ax40 Channel 102



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11016.25	46.99	38.40	-30.47	54.92	74.00	19.08	Vertical
2	14345	36.48	40.23	-28.95	47.76	68.30	20.54	Vertical
3	16918.333	36.22	38.84	-26.08	48.98	68.30	19.32	Vertical
4	11017.916	37.91	38.40	-30.47	45.84	54.00	8.16	Vertical

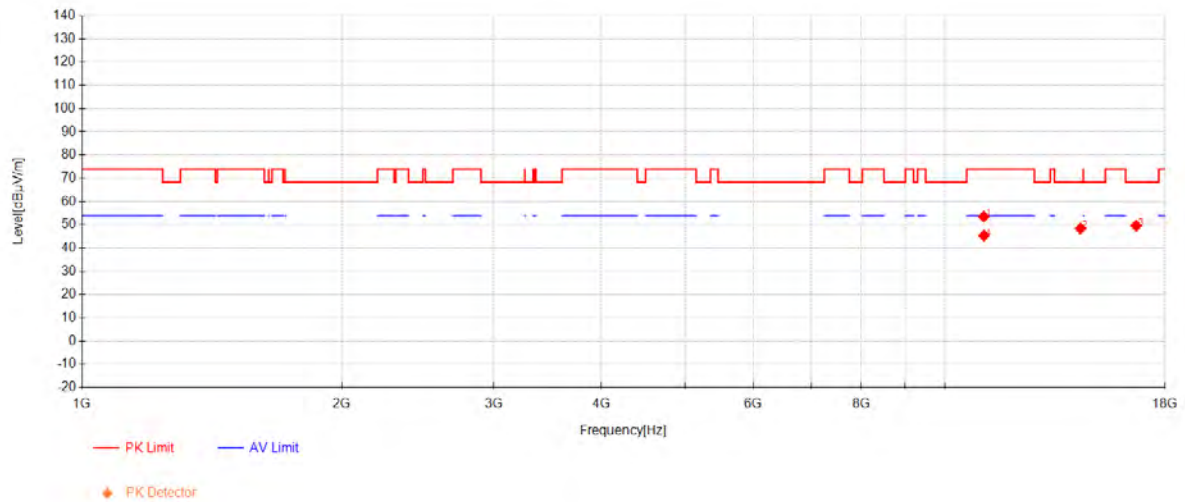
Compliance Certification Services (Kunshan) Inc.

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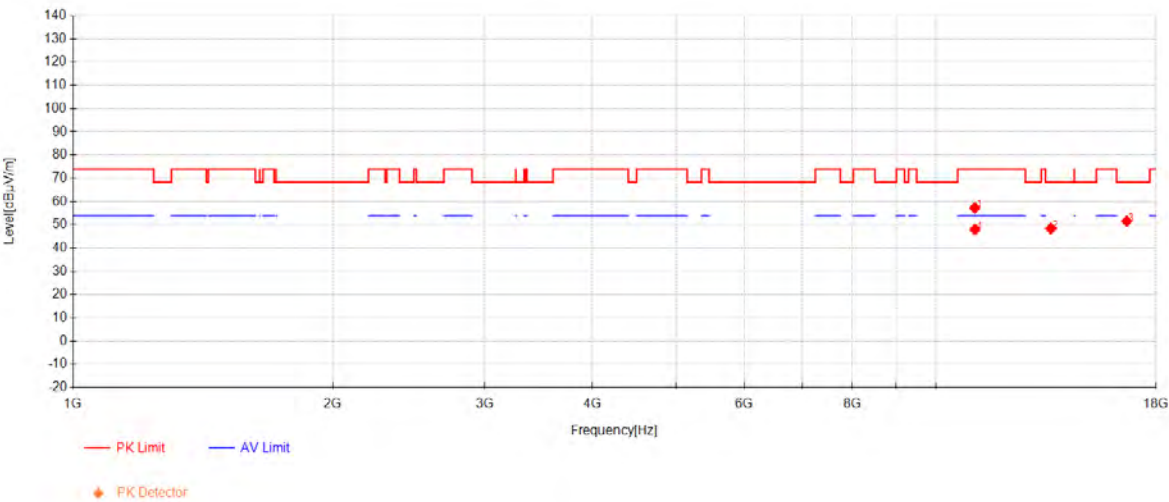
802.11ax40 Channel 110



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11095	45.45	38.40	-30.33	53.52	74.00	20.48	Horizontal
2	14365	36.87	40.23	-28.75	48.35	68.30	19.95	Horizontal
3	16663.333	37.53	38.66	-26.65	49.55	68.30	18.75	Horizontal
4	11100.416	37.26	38.40	-30.32	45.34	54.00	8.66	Horizontal

802.11ax40 Channel 110



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11096.25	49.21	38.40	-30.33	57.28	74.00	16.72	Vertical
2	13593.333	36.10	40.02	-27.78	48.34	68.30	19.96	Vertical
3	16645.416	39.51	38.65	-26.60	51.56	68.30	16.74	Vertical
4	11100.416	39.86	38.40	-30.32	47.94	54.00	6.06	Vertical

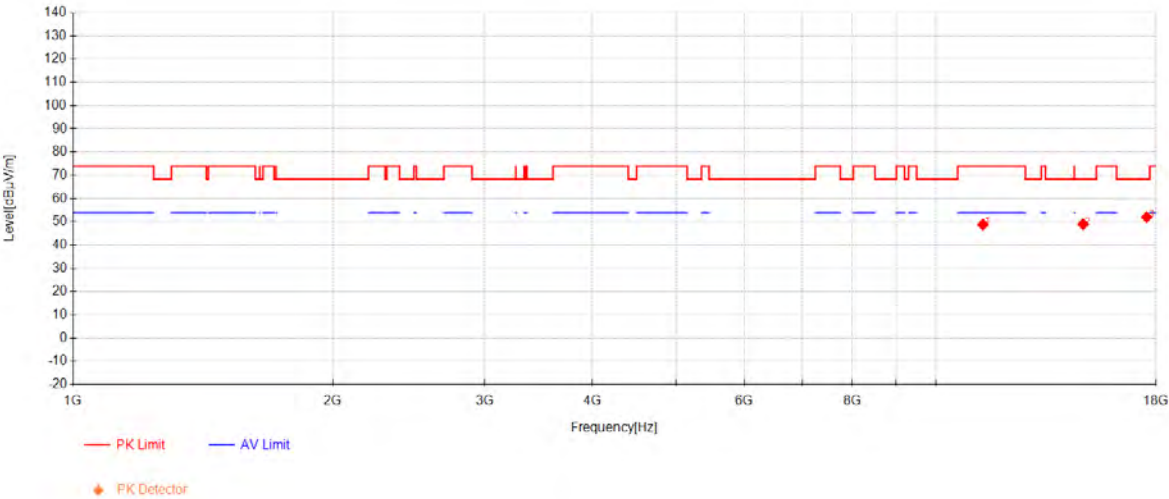
Compliance Certification Services (Kunshan) Inc.

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802.11ax40 Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11339.583	40.61	38.40	-30.25	48.76	74.00	25.24	Horizontal
2	14815.833	36.19	40.14	-27.40	48.93	68.30	19.37	Horizontal
3	17551.25	35.74	40.22	-23.97	51.99	68.30	16.31	Horizontal

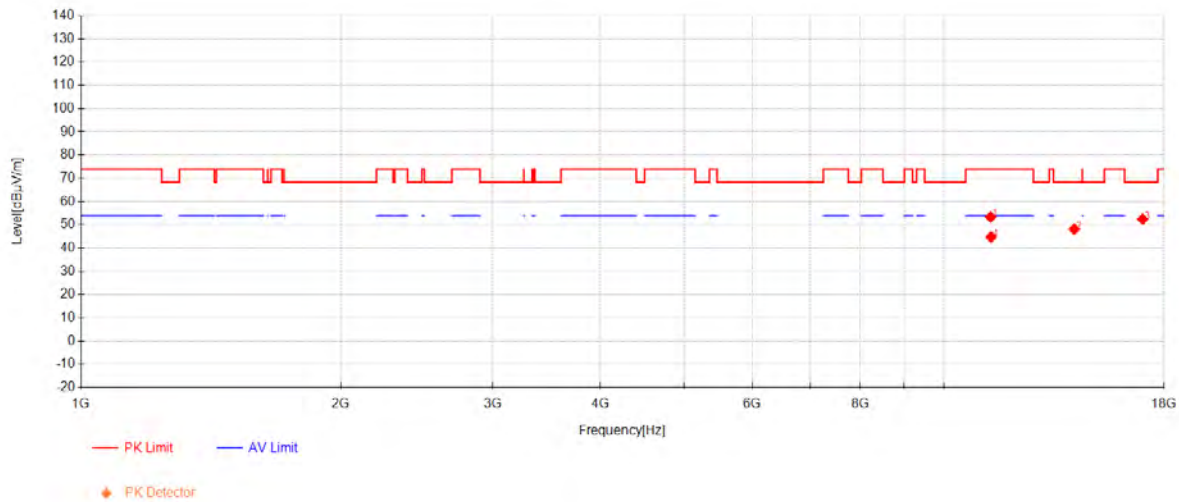
Compliance Certification Services (Kunshan) Inc.

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802.11ax40 Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11331.666	45.23	38.40	-30.30	53.33	74.00	20.67	Vertical
2	14162.5	37.13	40.27	-29.34	48.06	68.30	20.24	Vertical
3	16996.666	38.78	38.90	-25.28	52.39	68.30	15.91	Vertical
4	11341.25	36.59	38.40	-30.24	44.75	54.00	9.25	Vertical

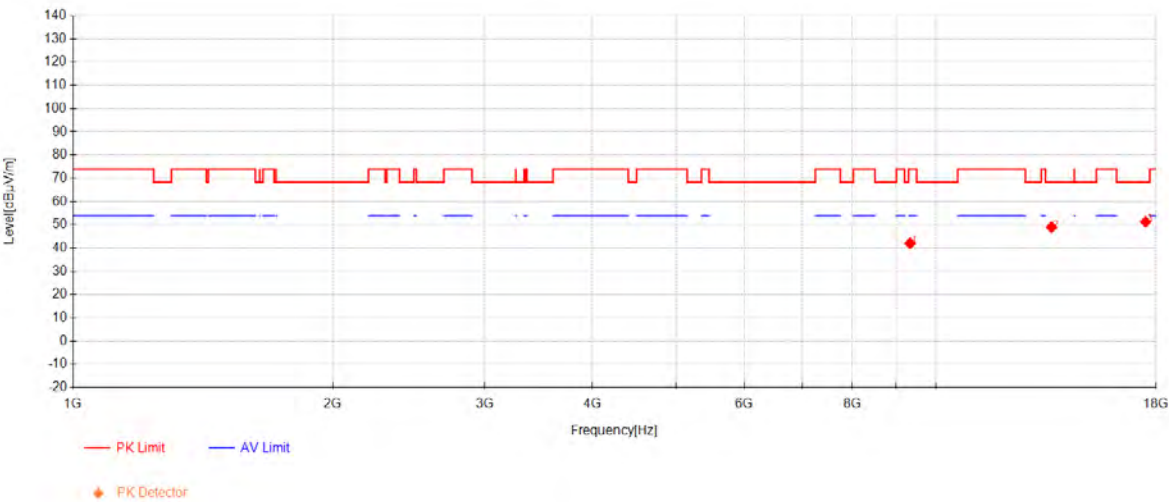
Compliance Certification Services (Kunshan) Inc.

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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	9337.9167	38.34	37.70	-33.98	42.06	74.00	31.94	Horizontal
2	13618.333	36.84	40.03	-27.94	48.94	68.30	19.36	Horizontal
3	17502.916	35.00	40.11	-23.85	51.26	68.30	17.04	Horizontal

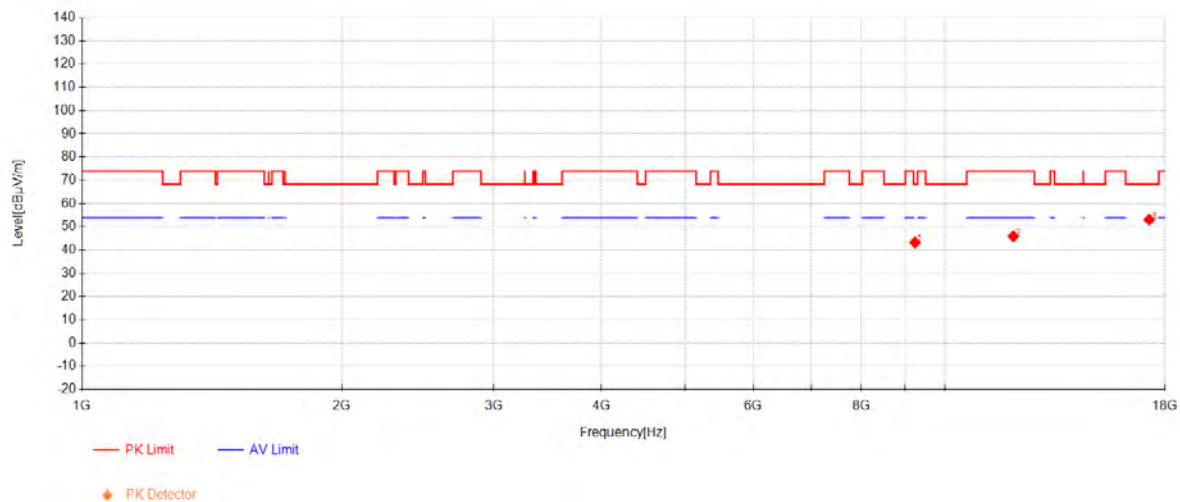
Compliance Certification Services (Kunshan) Inc.

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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	9233.75	39.80	37.67	-34.19	43.28	68.30	25.02	Vertical
2	12005.416	36.80	38.41	-29.31	45.90	74.00	28.10	Vertical
3	17248.333	38.86	39.50	-25.29	53.07	68.30	15.23	Vertical

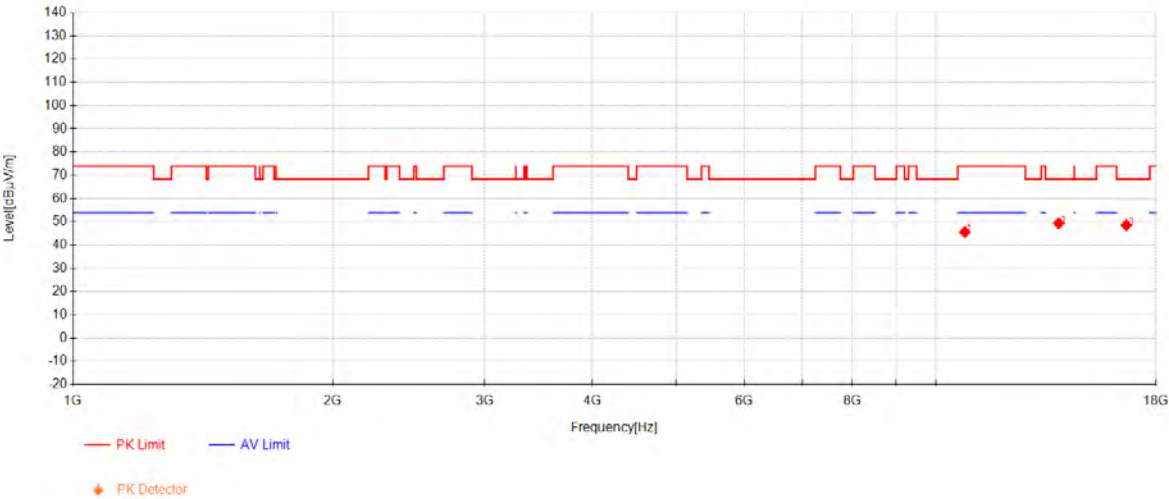
Compliance Certification Services (Kunshan) Inc.

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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	10802.916	37.61	38.30	-30.35	45.56	74.00	28.44	Horizontal
2	13879.166	37.68	40.22	-28.59	49.31	68.30	18.99	Horizontal
3	16625.833	36.40	38.64	-26.54	48.50	68.30	19.80	Horizontal

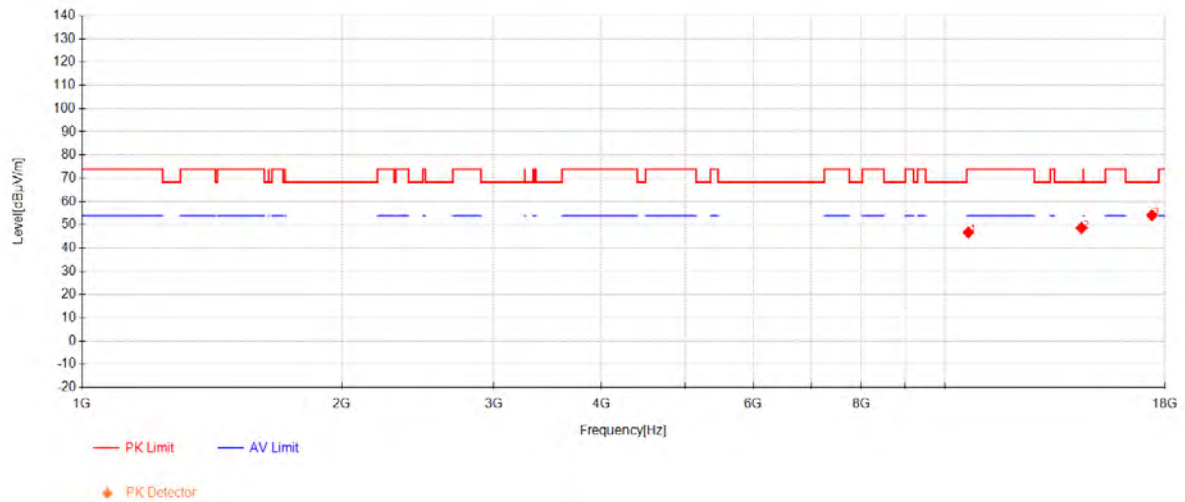
Compliance Certification Services (Kunshan) Inc.

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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	10647.5	39.25	38.22	-30.77	46.70	74.00	27.30	Vertical
2	14399.583	36.74	40.22	-28.39	48.57	68.30	19.73	Vertical
3	17377.916	39.59	39.81	-25.27	54.13	68.30	14.17	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: 25.2 °C

Humidity: 45.3 % RH

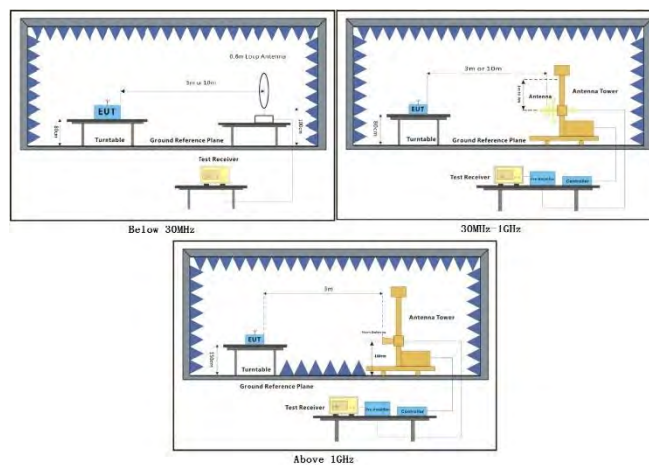
Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	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 f only the data of worst case is recorded in the report.

Final test	04	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 only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	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 only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

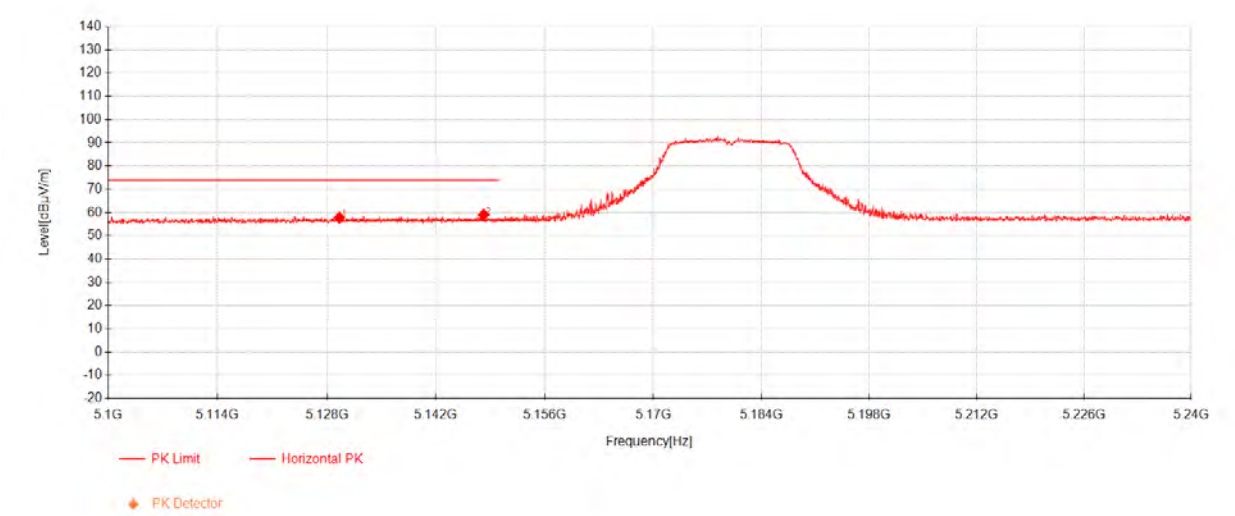
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 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: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Note:

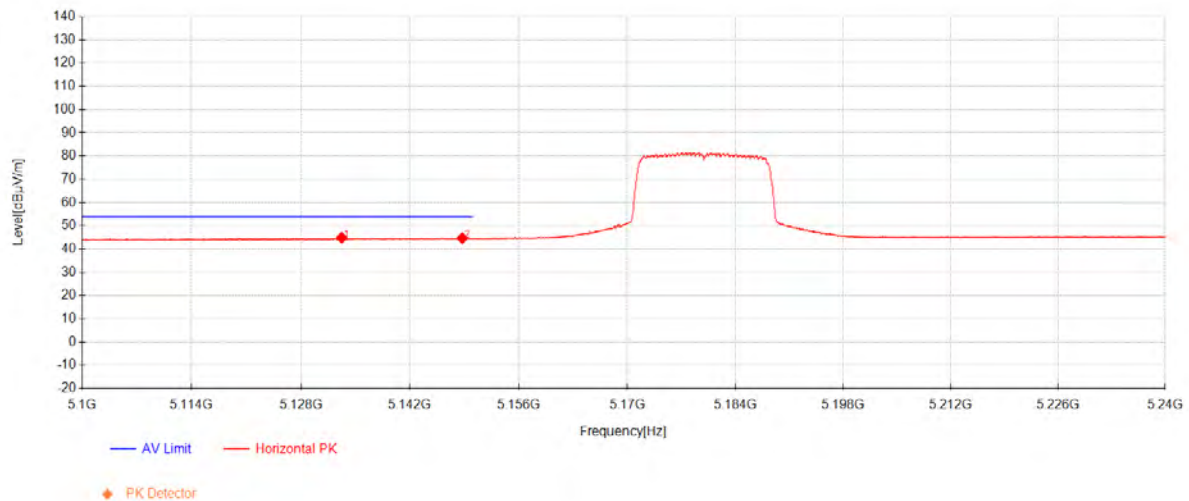
1. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and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

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	5129.575	39.49	33.17	-14.88	57.78	74.00	16.22	Horizontal
2	5148.125	40.64	33.17	-14.80	59.01	74.00	14.99	Horizontal

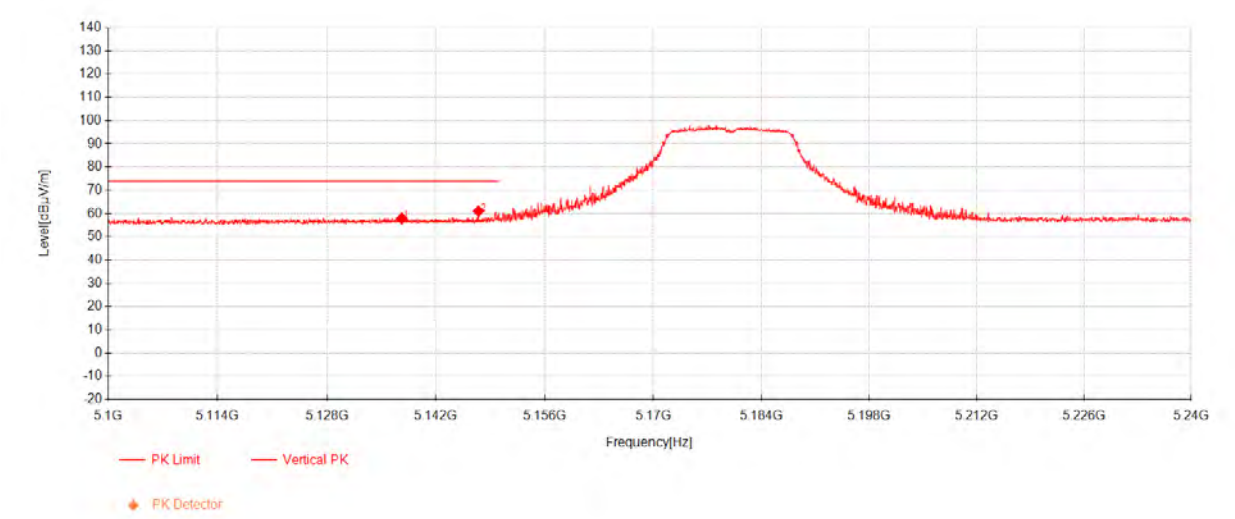
802.11a_Channel 36



Data List

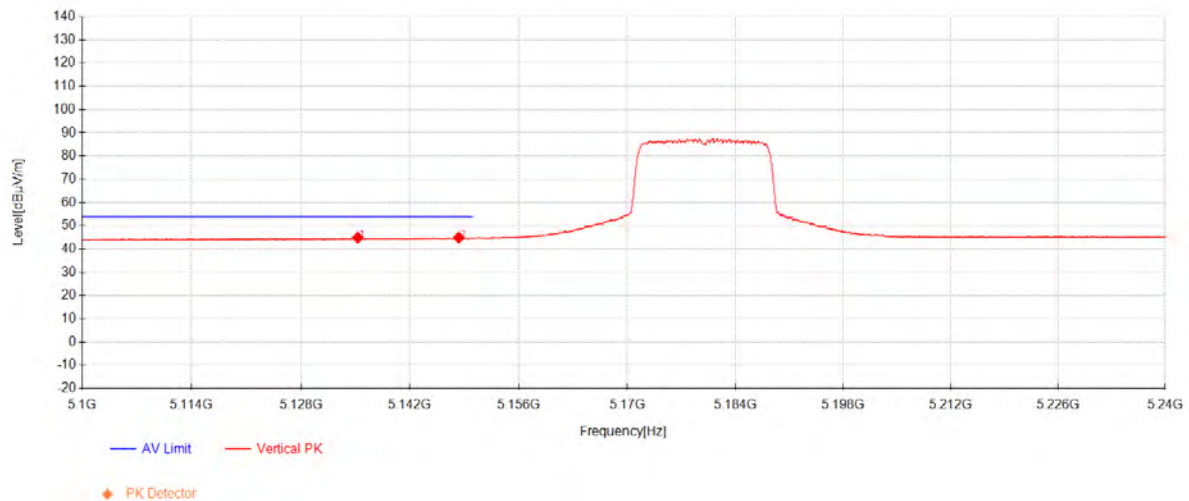
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5133.215	26.56	33.17	-14.86	44.87	54.00	9.13	Horizontal
2	5148.72	26.32	33.17	-14.80	44.69	54.00	9.31	Horizontal

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	5137.59	39.53	33.17	-14.84	57.86	74.00	16.14	Vertical
2	5147.46	42.65	33.17	-14.80	61.02	74.00	12.98	Vertical

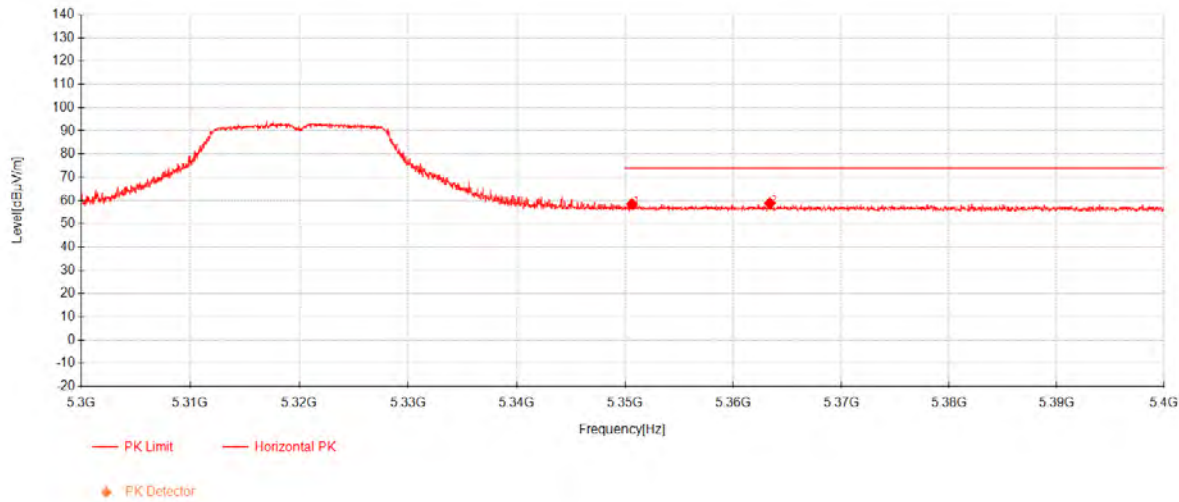
802.11a_Channel 36



Data List

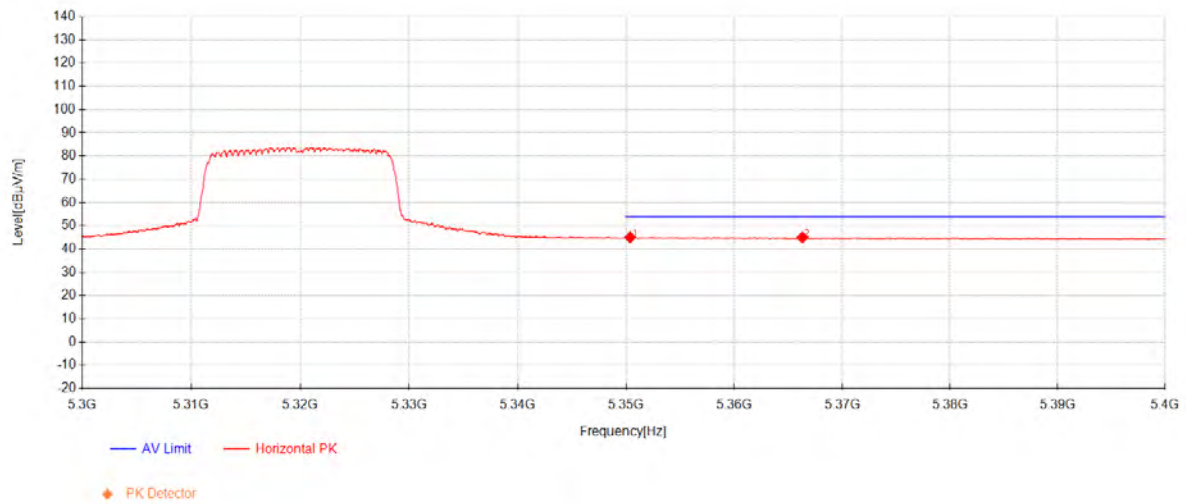
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5135.28	26.61	33.17	-14.85	44.93	54.00	9.07	Vertical
2	5148.265	26.55	33.17	-14.80	44.92	54.00	9.08	Vertical

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	5350.625	39.42	33.13	-14.10	58.45	74.00	15.55	Horizontal
2	5363.375	39.78	33.13	-14.12	58.78	74.00	15.22	Horizontal

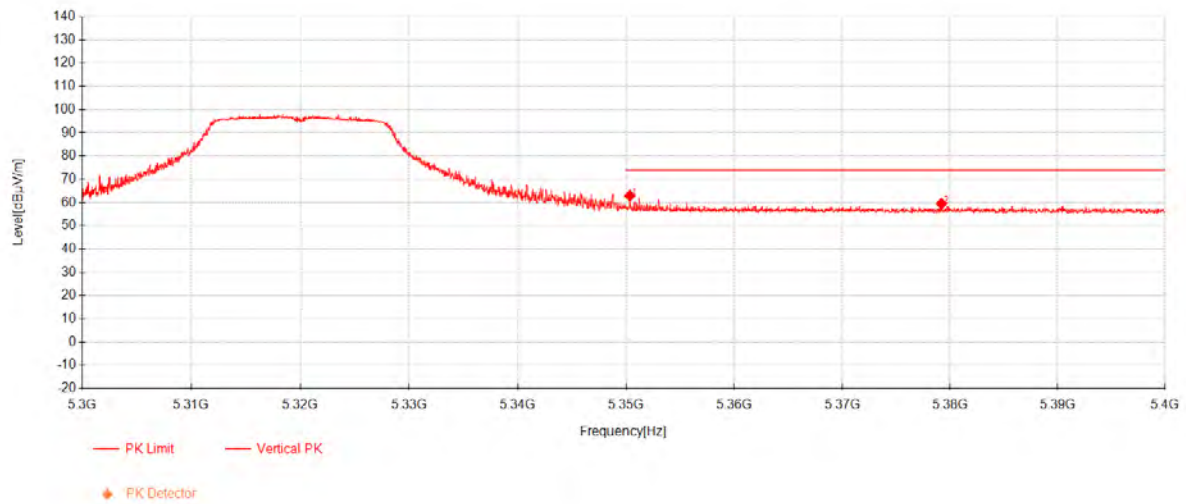
802.11a_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.375	26.01	33.13	-14.10	45.04	54.00	8.96	Horizontal
2	5366.3	26.00	33.13	-14.13	45.00	54.00	9.00	Horizontal

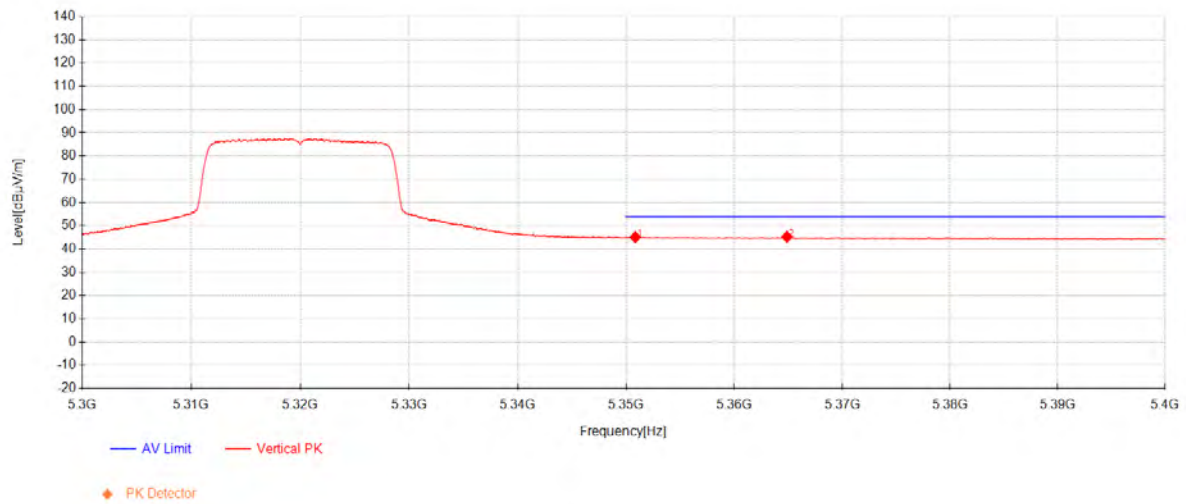
802.11a_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.35	43.90	33.13	-14.10	62.93	74.00	11.07	Vertical
2	5379.2	40.50	33.12	-14.16	59.47	74.00	14.53	Vertical

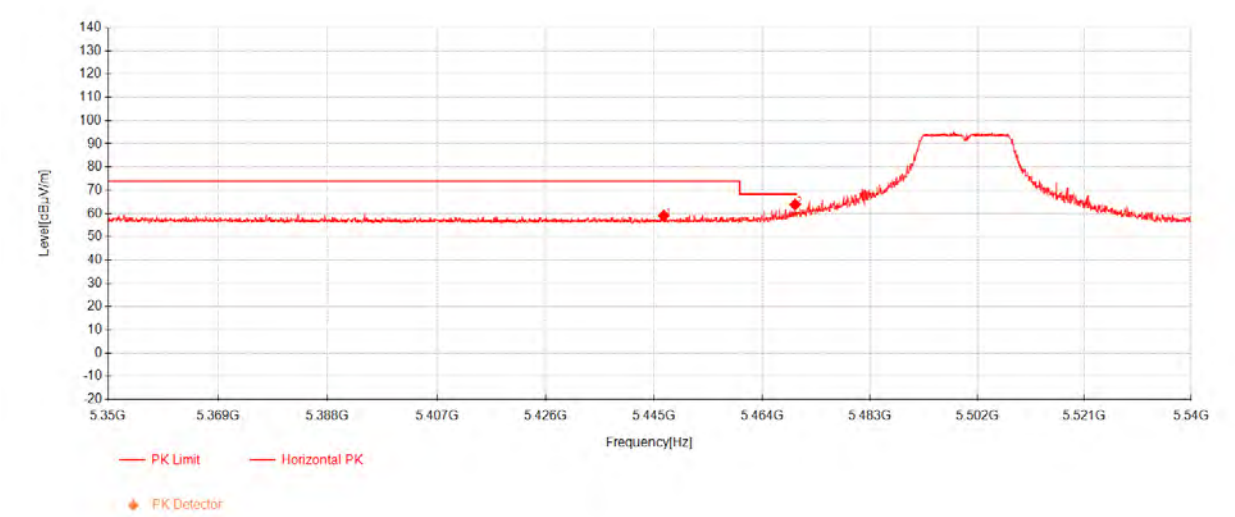
802.11a_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.85	26.08	33.13	-14.10	45.11	54.00	8.89	Vertical
2	5364.875	26.26	33.13	-14.13	45.26	54.00	8.74	Vertical

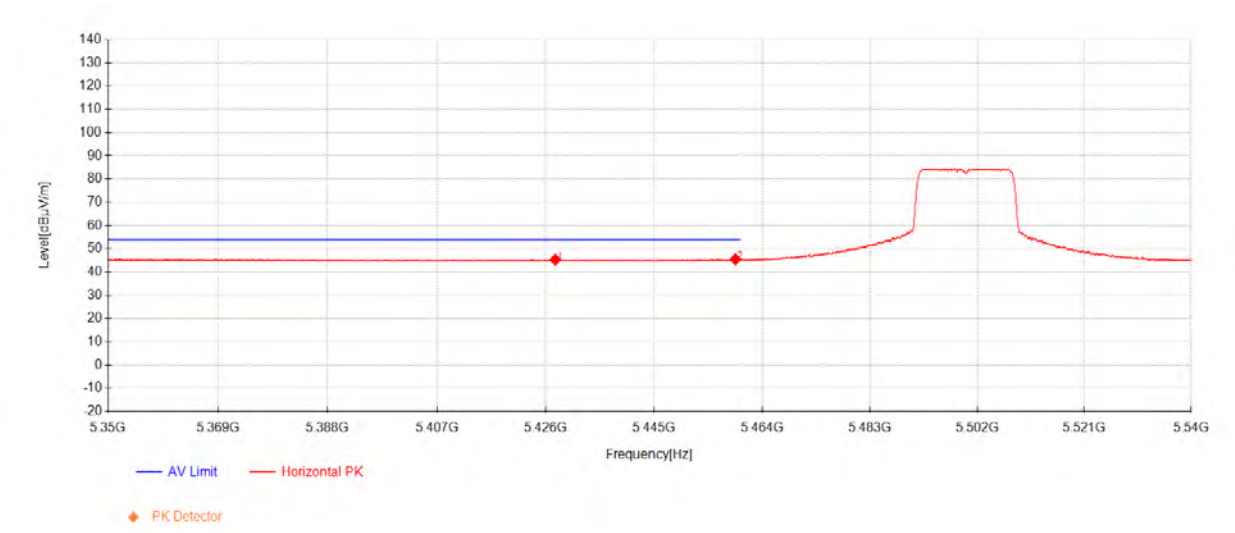
802.11a_Channel 100



Data List

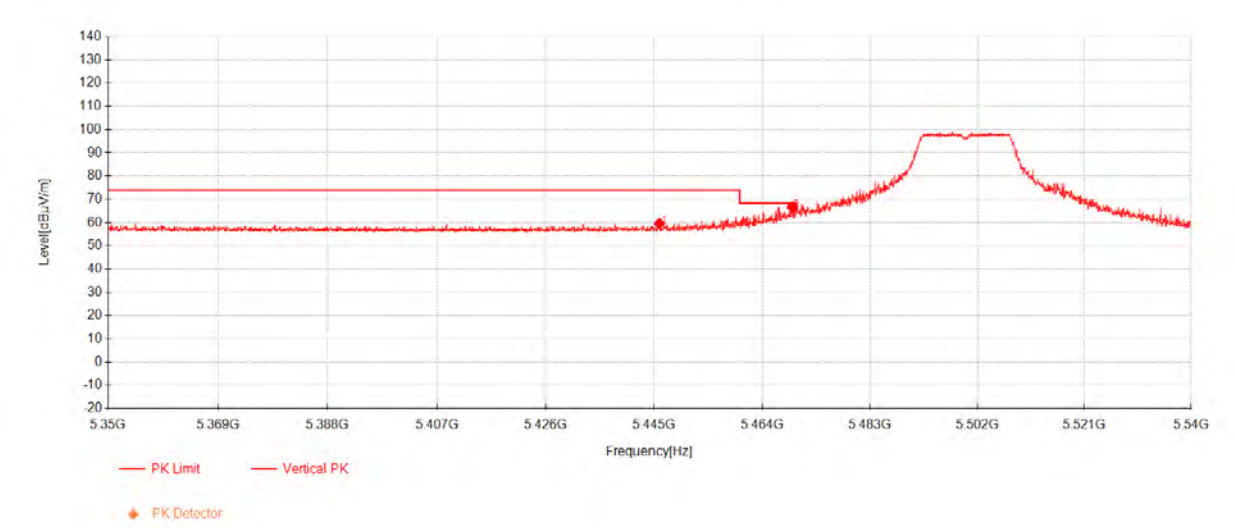
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5446.6625	39.98	33.11	-14.04	59.05	74.00	14.95	Horizontal
2	5469.7475	44.74	33.11	-13.96	63.88	68.30	4.42	Horizontal

802.11a_Channel 100



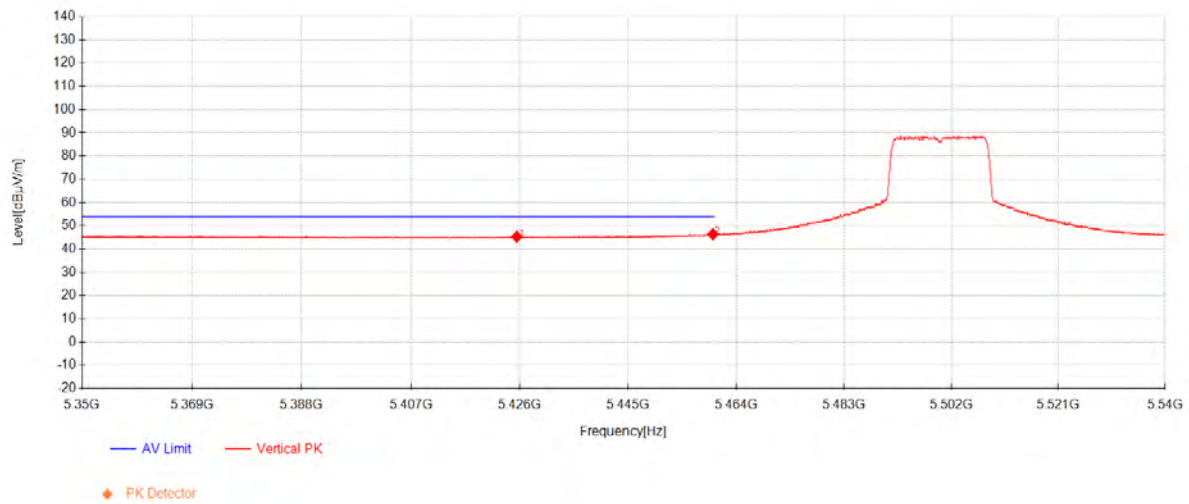
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5427.6625	26.32	33.11	-14.11	45.33	54.00	8.67	Horizontal
2	5459.25	26.39	33.11	-14.00	45.50	54.00	8.50	Horizontal

802.11a_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.9025	40.41	33.11	-14.04	59.48	74.00	14.52	Vertical
2	5469.225	47.49	33.11	-13.96	66.63	68.30	1.67	Vertical

802.11a_Channel 100



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5425.4775	26.32	33.11	-14.11	45.32	54.00	8.68	Vertical
2	5459.8675	27.25	33.11	-14.00	46.36	54.00	7.64	Vertical

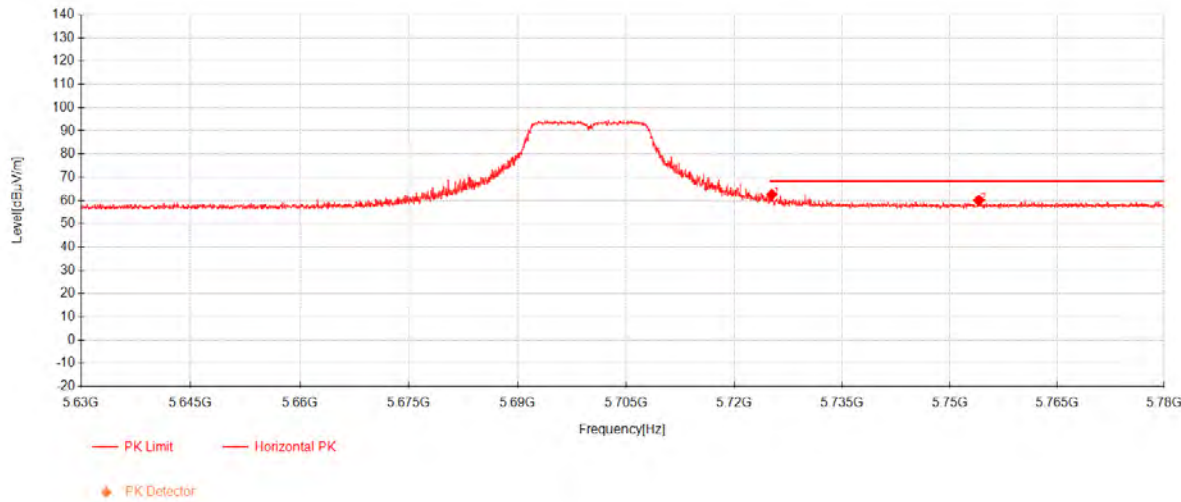
Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR240900172502

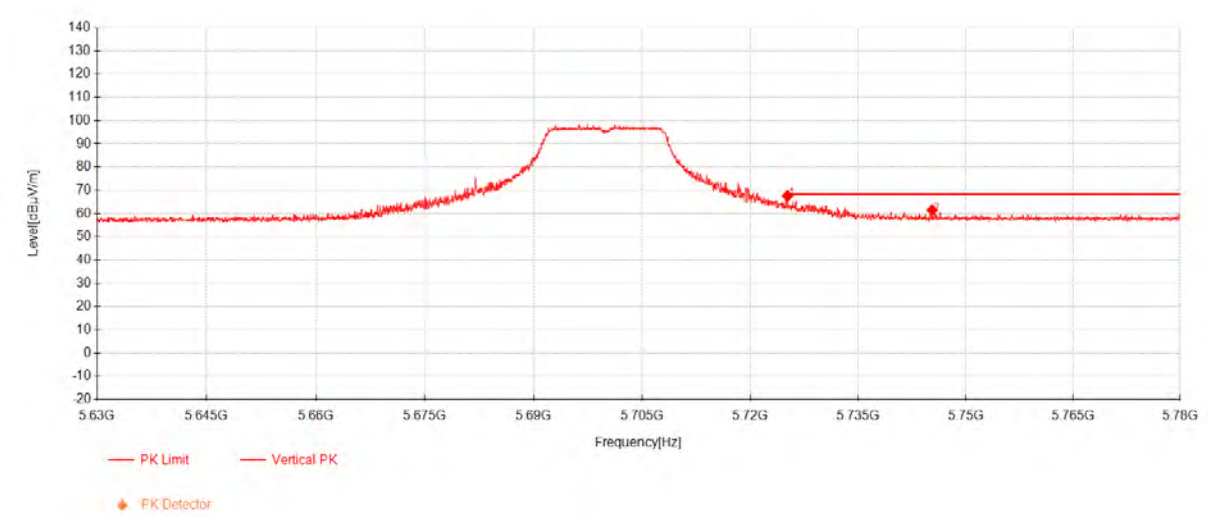
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802.11a_Channel 140



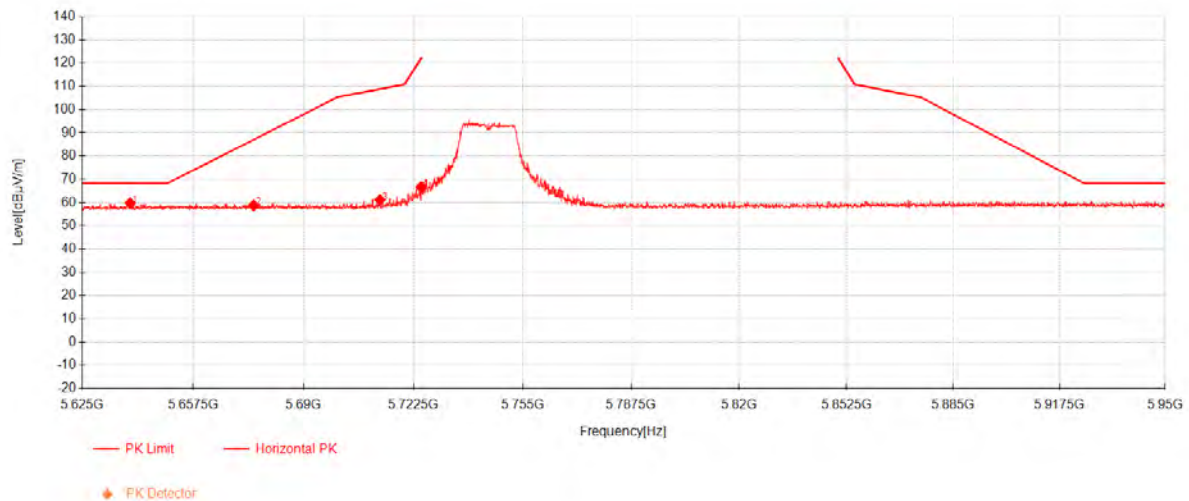
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.2125	42.32	33.87	-13.62	62.57	68.30	5.73	Horizontal
2	5754.05	39.64	33.96	-13.56	60.05	68.30	8.25	Horizontal

802.11a_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.175	47.36	33.87	-13.62	67.61	68.30	0.69	Vertical
2	5745.3125	41.15	33.93	-13.57	61.51	68.30	6.79	Vertical

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	5639.0562	39.80	33.57	-13.68	59.70	68.30	8.60	Horizontal
2	5675.2938	38.70	33.70	-13.67	58.72	87.06	28.34	Horizontal
3	5712.5875	40.96	33.82	-13.64	61.14	108.83	47.69	Horizontal
4	5724.775	46.42	33.86	-13.62	66.67	121.79	55.12	Horizontal