

TEST REPORT

Application No.: KSCR2412002626AT
FCC ID: 2AL8S-0235C9RE
Applicant: Zhejiang Uniview Technologies Co., Ltd.
Address of Applicant: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
Manufacturer: Zhejiang Uniview Technologies Co., Ltd.
Address of Manufacturer: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
Equipment Under Test (EUT):
EUT Name: Doorbell
Model No.: ED-525B-WB, ED-525B-WB-xxxxxxx-yyyyyyy-zzz ("x","y","z" can be 0-9,A-Z,a-z or blank; "-" may be blank) ♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: unv
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2024-12-24
Date of Test: 2024-12-26 to 2025-01-14
Date of Issue: 2025-01-20

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.

Revision Record			
Version	Description	Date	Remark
00	Original	2025-01-20	/

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

2 Test Summary

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

Radio Spectrum Matter Part					
Item	Standard	Method	Requirement	Result	Test Lab*
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass	B
Maximum Conducted output power		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Duty Cycle		ANSI C63.10 (2013) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass	A
99% Bandwidth		ANSI C63.10 (2013) Section 12.4.2	ANSI C63.10 (2013) Section 12.4.2	Pass	A
26dB Emission bandwidth		ANSI C63.10 (2013) Section 12.4.1	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart E 15.407 (e)	Pass	A
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass	A
Non-occupancy period		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A



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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 ED-525B-WB was tested since their differences were the model number .

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4 General Information

4.1 Details of E.U.T.

Power supply:	~12-24V, 50-60Hz, 1.0A
Test voltage:	AC 120V/60Hz
Operation Frequency/Number of channels (20MHz):	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):	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: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, BPSK_DCM, QPSK, QPSK_DCM, 16QAM, 16QAM_DCM, 64QAM, 256QAM, 1024-QAM)
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)

4.2 Power level setting using in test:

Channel	802.11a	802.11ac(VHT20)	802.11ax(HE20)
	Ant 1	Ant 2	Ant 1
36	19	19	19
40	19	18	19
48	18	18	19
52	17	16	17
60	17	17	17
64	16	16	16
100	15	15	14
116	15	14	14
140	15	15	15
149	18	17	17
157	18	17	17
165	18	18	18
Channel	802.11ac(VHT40)	802.11ax(HE40)	
	Ant 1	Ant 1	
38	17	18	
46	17	18	
54	15	16	
62	15	15	
102	13	13	
110	11	12	
134	12	14	
151	15	16	
159	15	16	

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
AC Adapter	/	/	/
Notebook	LENOVO	K27	EB24537645

4.4 Measurement Uncertainty

Lab A:

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

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

Lab B:

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	$\pm 0.54\text{dB}$
2	RF power density, conducted	$\pm 1.03\text{dB}$
3	Spurious emissions, conducted	$\pm 0.54\text{dB}$
4	Radio Frequency	$\pm 1.0 \%$
5	Duty Cycle	$\pm 0.37\%$
6	Occupied Bandwidth	$\pm 1.0 \%$
7	Radiated Emission	$\pm 3.13\text{dB}$ (9k -30MHz) $\pm 4.8\text{dB}$ (30M -1GHz) $\pm 4.8\text{dB}$ (1GHz to 18 GHz) $\pm 4.8\text{dB}$ (Above 18GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

4.5 Test Location

Lab A:

Compliance Certification Services (Kunshan) Inc.

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

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

Lab B:

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

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

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

Note:

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

4.6 Test Facility

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

Lab A:

• **A2LA**

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

• **FCC**

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

• **ISED**

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

• **VCCI**

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

Lab B:

• **A2LA (Certificate No. 6336.01)**

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

• **Innovation, Science and Economic Development Canada**

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

CAB identifier: CN0120.

IC#: 27594.

• **FCC –Designation Number: CN1312**

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

Designation Number: CN1312.

Test Firm Registration Number: 717327

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

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

Lab B:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2/1/2024	1/31/2025
2	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/8/2024	2/7/2025
3	Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2/4/2024	2/3/2025
4	Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2/4/2024	2/3/2025
5	Measurement Software	Tonscend	JS32-CE	SUWI-02-09-05	NCR	NCR
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-02	11/25/2024	11/24/2027
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	11/21/2024	11/20/2025
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	11/24/2025
7	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-05	11/25/2023	11/24/2025
8	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/12/2023	5/11/2025
9	Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/13/2023	5/12/2025
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2/1/2024	1/31/2025
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2/1/2024	1/31/2025
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2/1/2024	1/31/2025
13	Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR
14	Measurement Software	Tonscend	JS32-RSE	SUWI-02-09-06	NCR	NCR

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a 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 on the main PCB and no consideration of replacement. The best case gain of the antenna is 0.8dBi.

Antenna location: Refer to internal photo.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Conclusion

Standard Requirement:

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

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

EUT Details:

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

7 Radio Spectrum Matter Test Results

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

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

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

Limit:

Frequency of emission(MHz)	Conducted limit(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: 18.6 °C

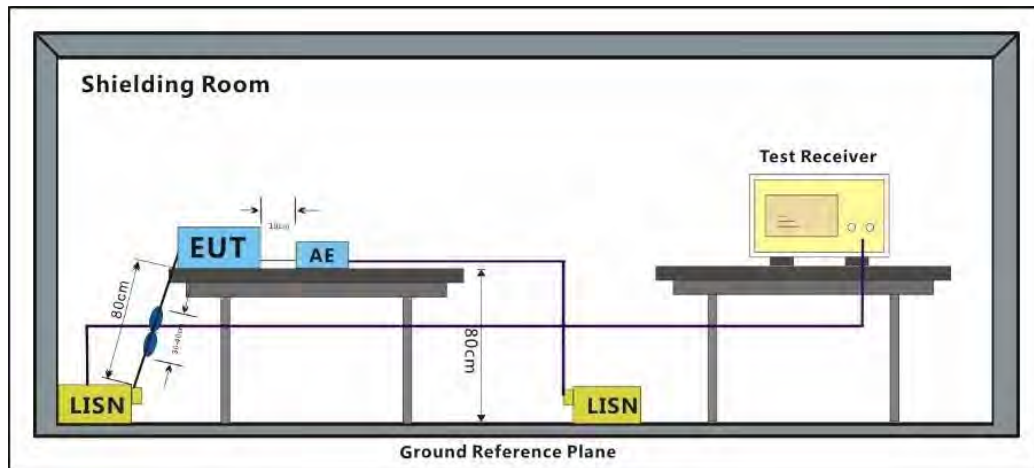
Humidity: 47.2 % RH

Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	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 found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.

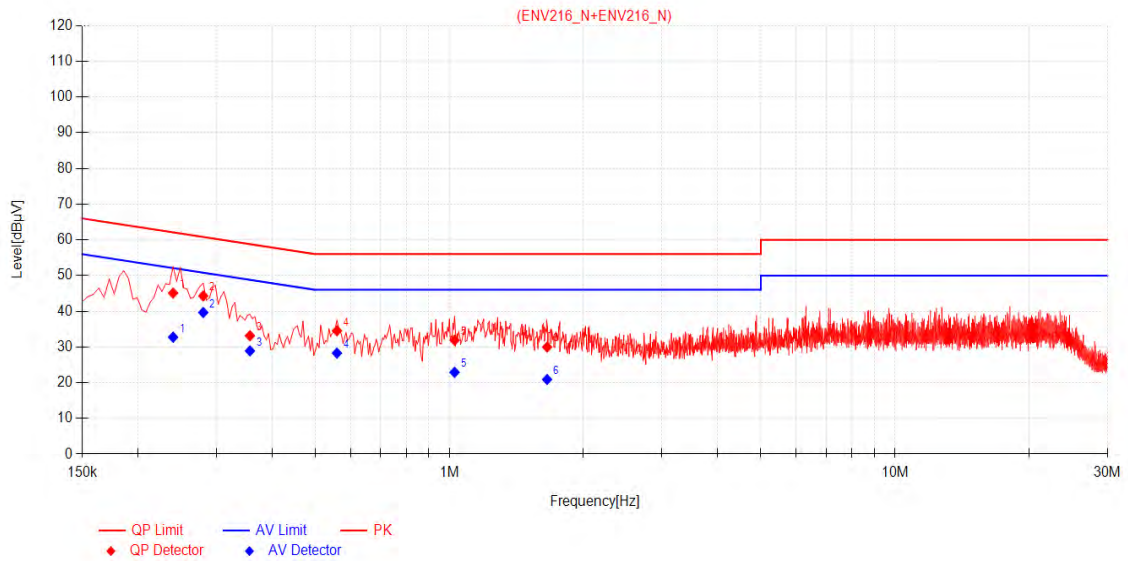
7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

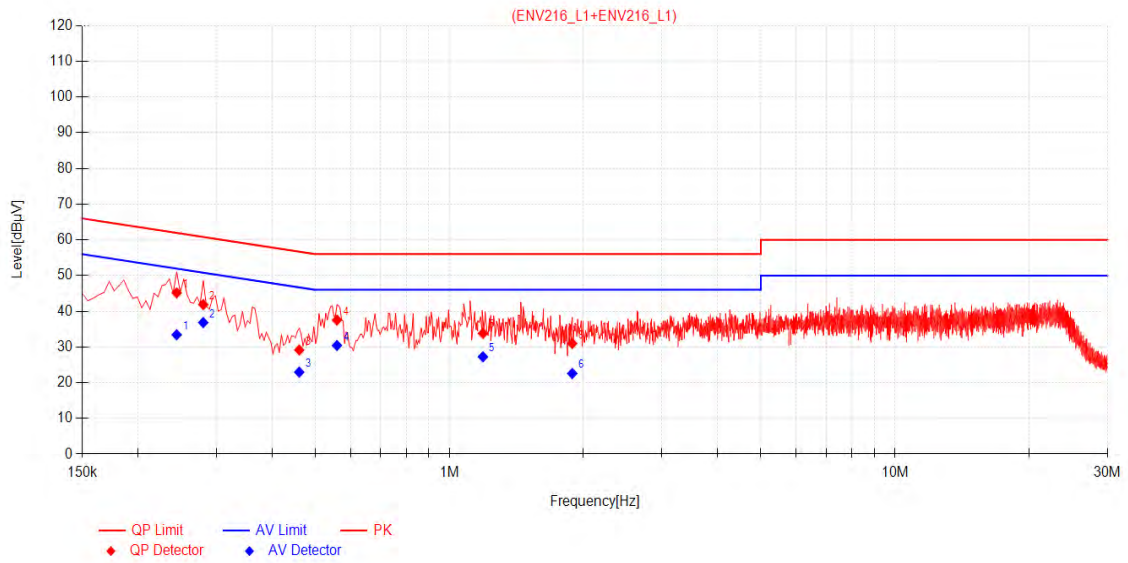
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to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

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



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	0.2400	10.16	34.93	45.09	62.10	17.01	22.59	32.75	52.10	19.35	PASS
2	0.2805	10.15	34.14	44.29	60.80	16.51	29.50	39.65	50.80	11.15	PASS
3	0.3570	10.16	22.99	33.15	58.80	25.65	18.75	28.91	48.80	19.89	PASS
4	0.5595	10.18	24.35	34.53	56.00	21.47	18.10	28.28	46.00	17.72	PASS
5	1.0275	10.10	21.79	31.89	56.00	24.11	12.80	22.90	46.00	23.10	PASS
6	1.6575	10.13	19.84	29.97	56.00	26.03	10.77	20.90	46.00	25.10	PASS



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	0.2445	10.16	34.99	45.15	61.94	16.79	23.26	33.42	51.94	18.52	PASS
2	0.2805	10.15	31.71	41.86	60.80	18.94	26.69	36.84	50.80	13.96	PASS
3	0.4605	10.17	18.97	29.14	56.68	27.54	12.78	22.95	46.68	23.73	PASS
4	0.5595	10.18	27.35	37.53	56.00	18.47	20.23	30.41	46.00	15.59	PASS
5	1.1895	10.08	23.73	33.81	56.00	22.19	17.17	27.25	46.00	18.75	PASS
6	1.8870	10.05	20.93	30.98	56.00	25.02	12.53	22.58	46.00	23.42	PASS

7.2 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.4 °C

Humidity: 48.5 % RH

Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	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 found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.



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7.2.3 Measurement Procedure and Data

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

Please Refer to Appendix for Details

7.3 Radiated Emissions (Below 1GHz)

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

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

Measurement Distance: 3m

Limit:

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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.6 °C

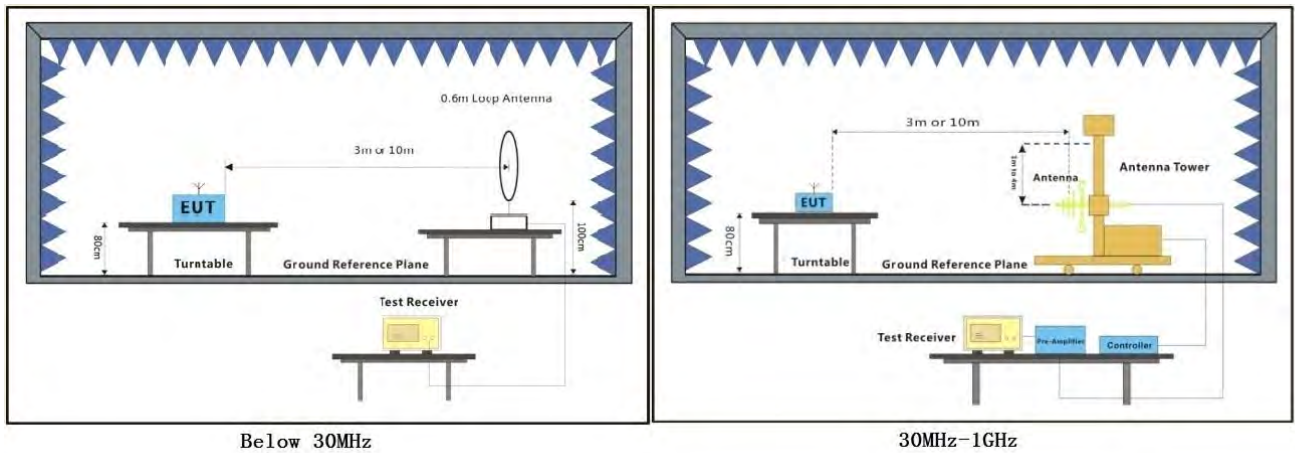
Humidity: 48.3 % RH

Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	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 found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram

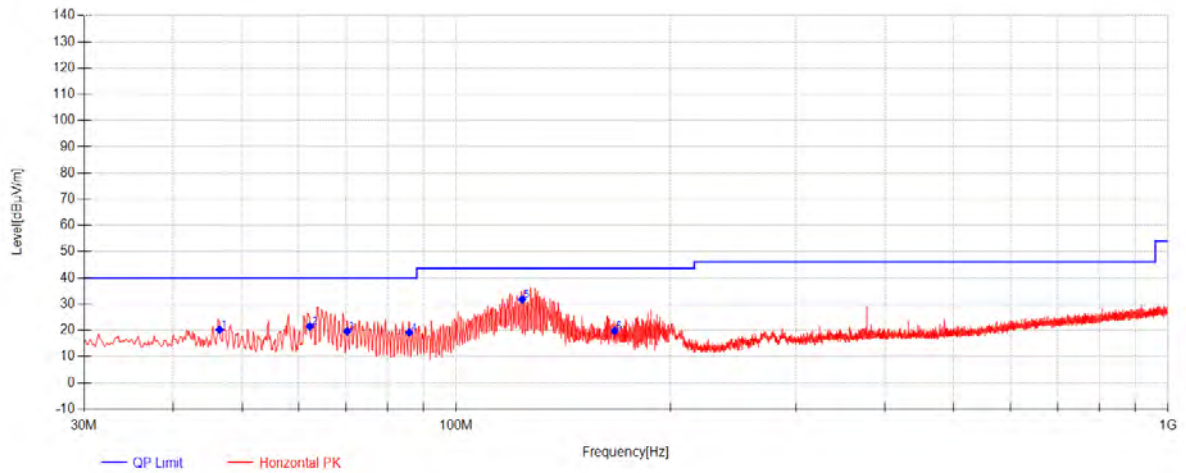


7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

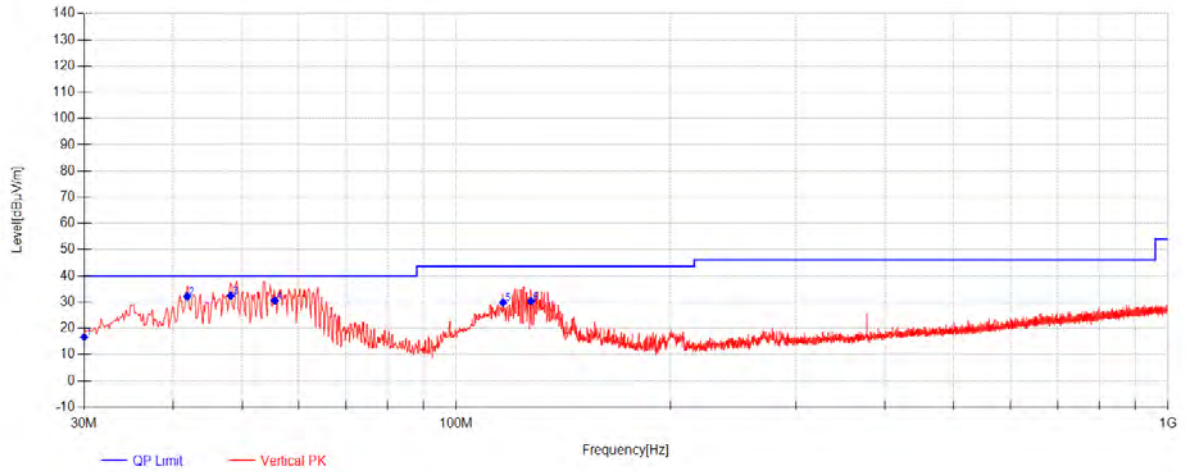
Remark:

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

11ax20 Channel 100 worse

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	46.49	35.22	-33.99	19.00	20.24	40.00	19.76	Horizontal
2	62.2525	37.86	-33.83	17.45	21.48	40.00	18.52	Horizontal
3	70.255	37.16	-33.74	16.17	19.60	40.00	20.40	Horizontal
4	85.8962	38.52	-33.60	14.26	19.18	40.00	20.82	Horizontal
5	123.7262	47.66	-33.32	17.42	31.76	43.50	11.74	Horizontal
6	166.8913	34.03	-32.98	18.71	19.76	43.50	23.74	Horizontal

11ax20 Channel 100



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	30	32.53	-34.01	18.10	16.62	40.00	23.38	Vertical
2	41.8825	47.33	-33.99	18.71	32.05	40.00	7.95	Vertical
3	48.1875	47.52	-33.98	18.80	32.34	40.00	7.66	Vertical
4	55.5838	46.26	-33.91	18.20	30.55	40.00	9.45	Vertical
5	116.33	46.86	-33.36	16.30	29.80	43.50	13.70	Vertical
6	127.3638	46.20	-33.30	17.39	30.29	43.50	13.21	Vertical

7.4 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.6
Measurement Distance: 3m

7.4.1 E.U.T. Operation

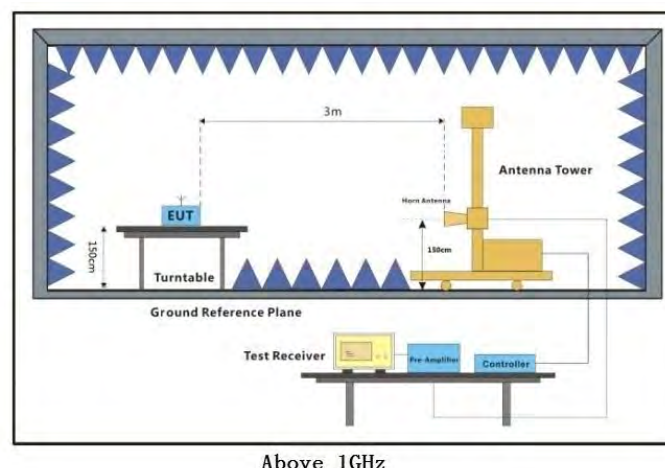
Operating Environment:

Temperature: 21.6 °C Humidity: 48.3 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	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 found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

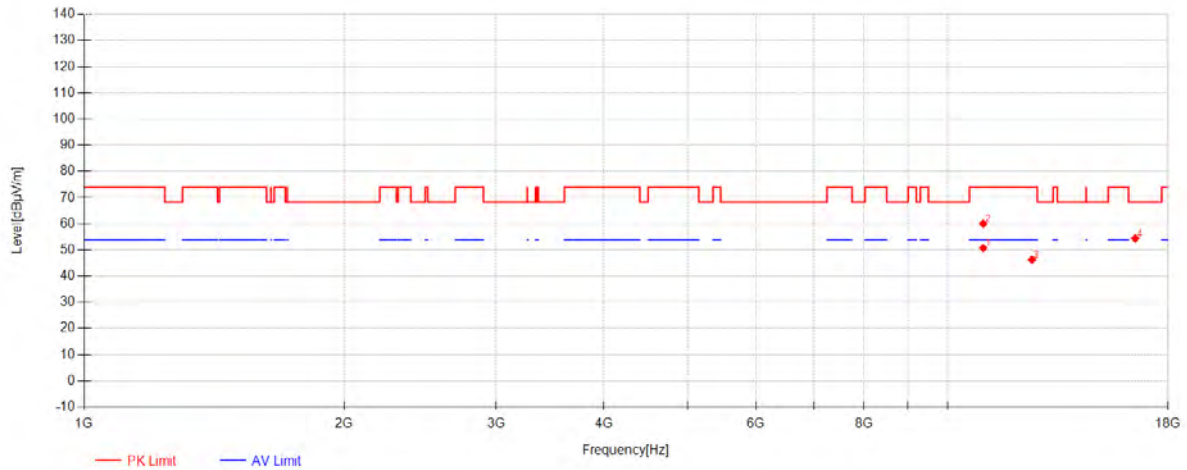
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

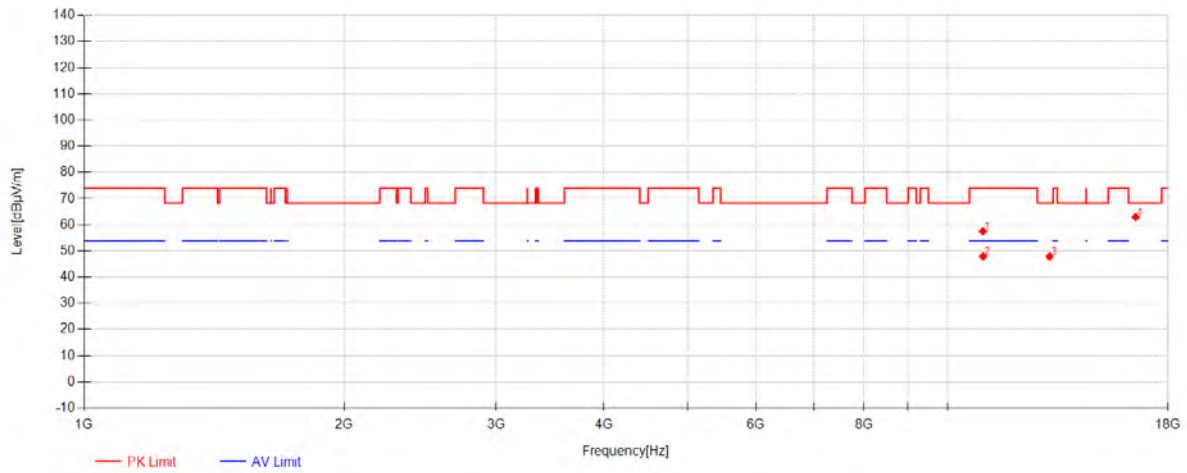
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



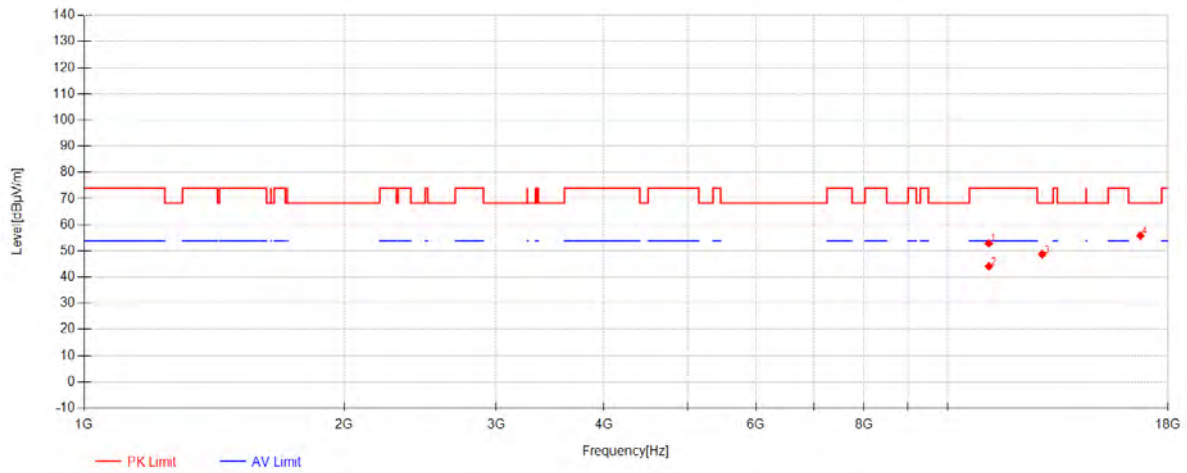
802.11a Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10995.833	42.80	38.40	-30.49	50.70	54.00	3.30	Horizontal
2	10997.916	52.11	38.40	-30.50	60.01	74.00	13.99	Horizontal
3	12522.083	37.13	39.03	-29.86	46.30	74.00	27.70	Horizontal
4	16491.666	42.48	38.54	-26.59	54.43	68.30	13.87	Horizontal

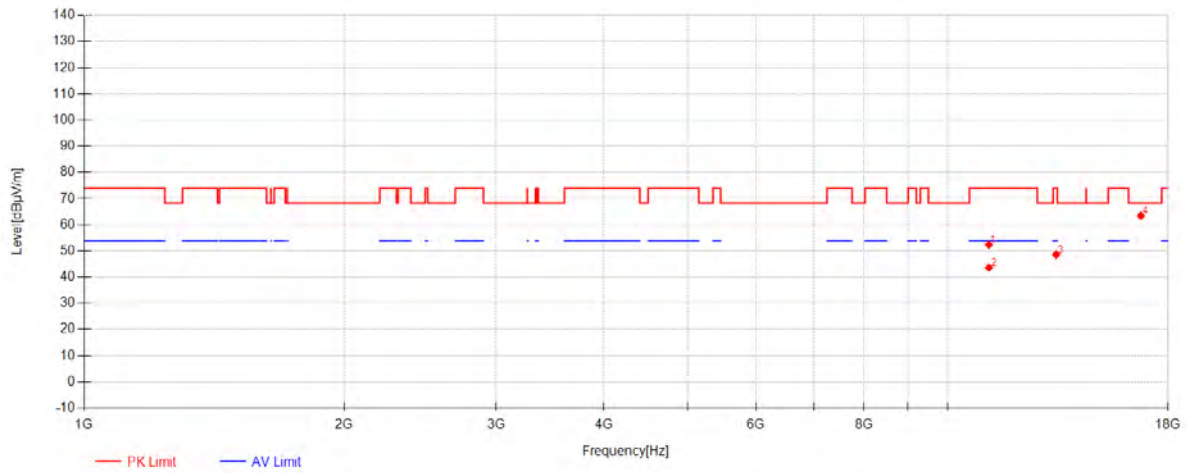
802.11a Channel 100

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10990.416	49.65	38.40	-30.49	57.56	74.00	16.44	Vertical
2	10991.25	39.99	38.40	-30.49	47.90	54.00	6.10	Vertical
3	13122.5	37.18	39.69	-28.96	47.90	68.30	20.40	Vertical
4	16509.583	51.01	38.56	-26.59	62.98	68.30	5.32	Vertical

802.11a Channel 116

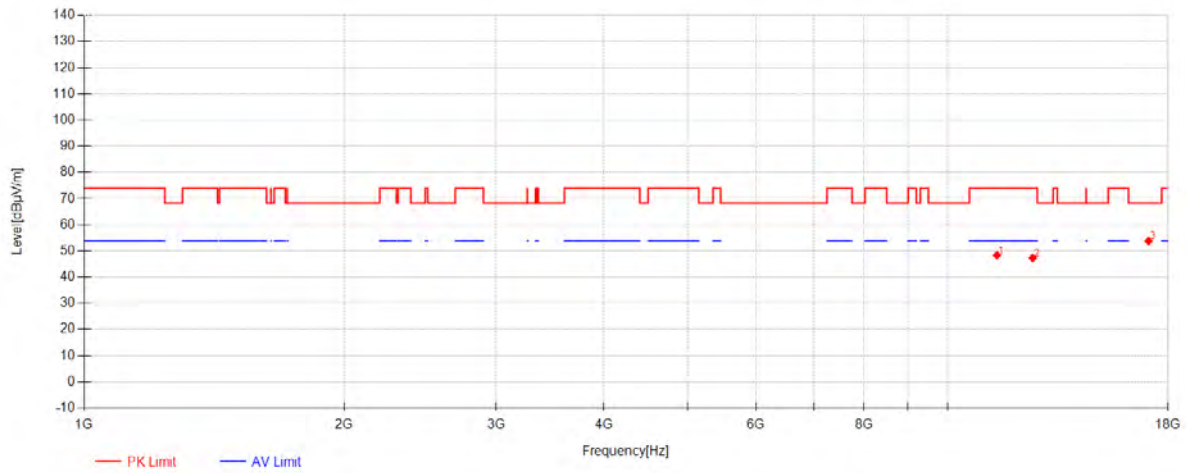
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11163.333	44.62	38.40	-30.09	52.93	74.00	21.07	Horizontal
2	11165.416	35.86	38.40	-30.08	44.18	54.00	9.82	Horizontal
3	12870.833	38.80	39.44	-29.55	48.70	68.30	19.60	Horizontal
4	16723.75	43.81	38.71	-26.61	55.91	68.30	12.39	Horizontal

802.11a Channel 116

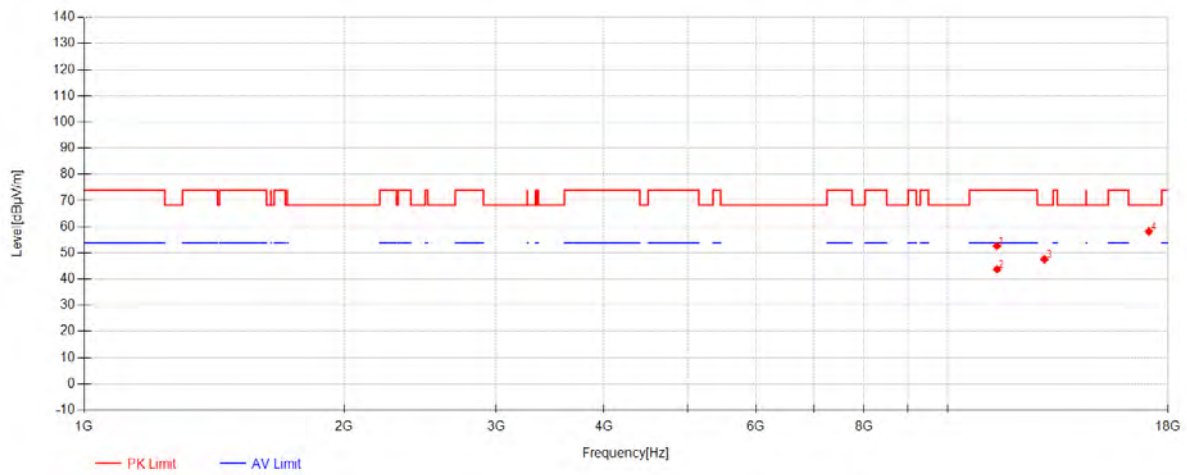


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11163.333	44.09	38.40	-30.09	52.40	74.00	21.60	Vertical
2	11165	35.36	38.40	-30.09	43.67	54.00	10.33	Vertical
3	13355.416	37.89	39.85	-29.14	48.60	74.00	25.40	Vertical
4	16743.75	51.26	38.72	-26.49	63.49	68.30	4.81	Vertical

802.11a Channel 140

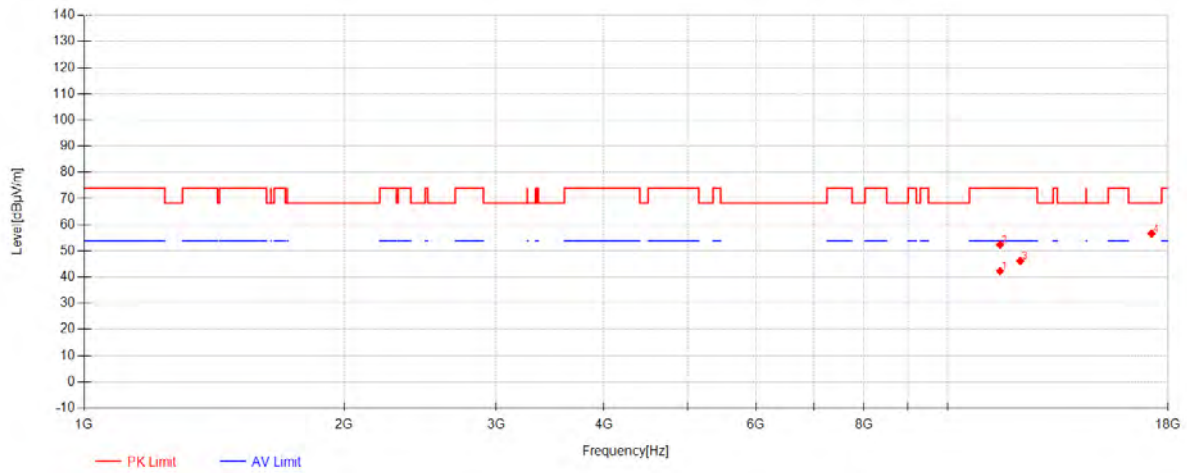


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11406.25	39.86	38.40	-29.87	48.39	74.00	25.61	Horizontal
2	12544.166	38.12	39.05	-29.86	47.32	74.00	26.68	Horizontal
3	17089.583	40.67	39.11	-25.91	53.87	68.30	14.43	Horizontal

802.11a Channel 140

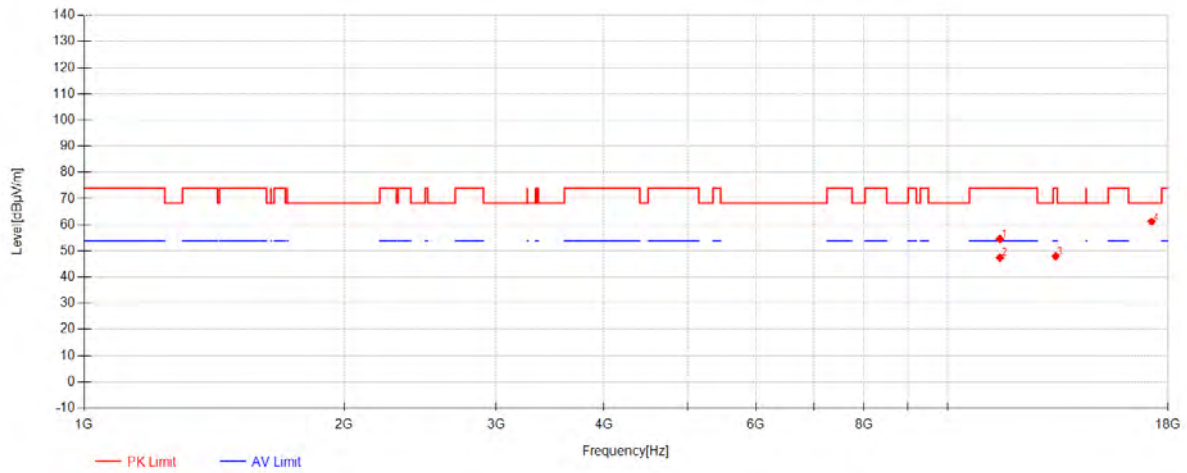
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11404.583	44.17	38.40	-29.87	52.70	74.00	21.30	Vertical
2	11408.333	35.24	38.40	-29.87	43.77	54.00	10.23	Vertical
3	12946.666	37.69	39.54	-29.61	47.61	68.30	20.69	Vertical
4	17104.166	44.97	39.15	-25.94	58.18	68.30	10.12	Vertical

802.11a Channel 149

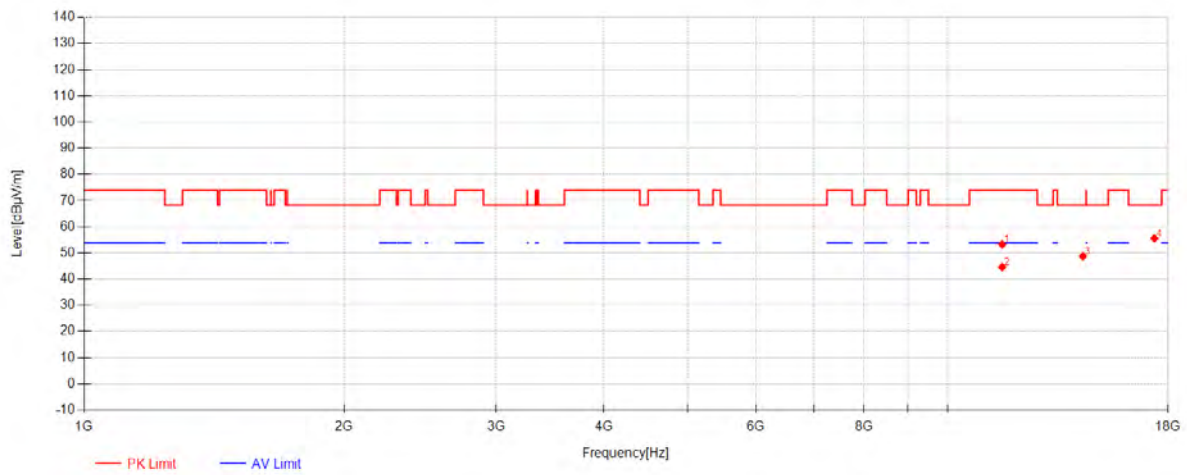


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11499.583	33.92	38.40	-29.99	42.33	54.00	11.67	Horizontal
2	11501.25	43.97	38.40	-29.99	52.38	74.00	21.62	Horizontal
3	12137.083	37.13	38.56	-29.49	46.20	74.00	27.80	Horizontal
4	17227.083	42.29	39.44	-25.08	56.66	68.30	11.64	Horizontal

802.11a Channel 149

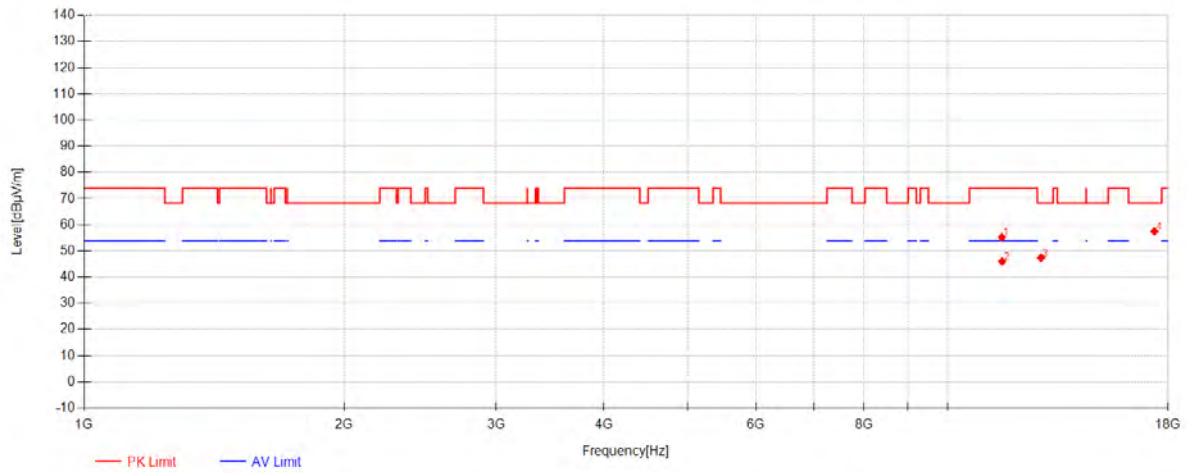


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11495.833	46.23	38.40	-29.98	54.65	74.00	19.35	Vertical
2	11496.666	39.03	38.40	-29.99	47.44	54.00	6.56	Vertical
3	13340.416	37.34	39.84	-29.21	47.96	74.00	26.04	Vertical
4	17225.416	46.82	39.44	-25.06	61.20	68.30	7.10	Vertical

802.11a Channel 157

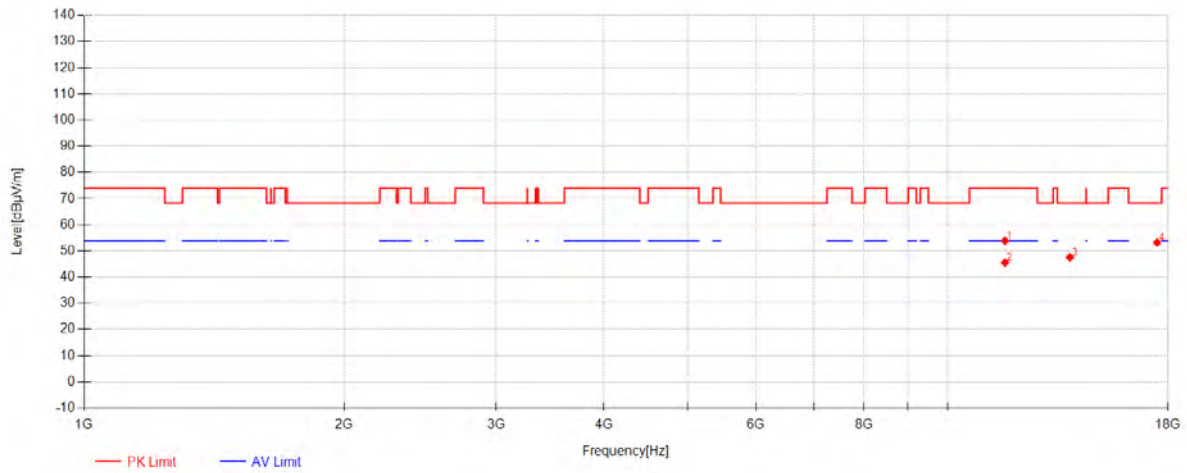
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11564.166	44.66	38.40	-29.73	53.33	74.00	20.67	Horizontal
2	11565	36.00	38.40	-29.73	44.67	54.00	9.33	Horizontal
3	14345	37.45	40.23	-28.95	48.73	68.30	19.57	Horizontal
4	17357.916	41.28	39.76	-25.41	55.63	68.30	12.67	Horizontal

802.11a Channel 157

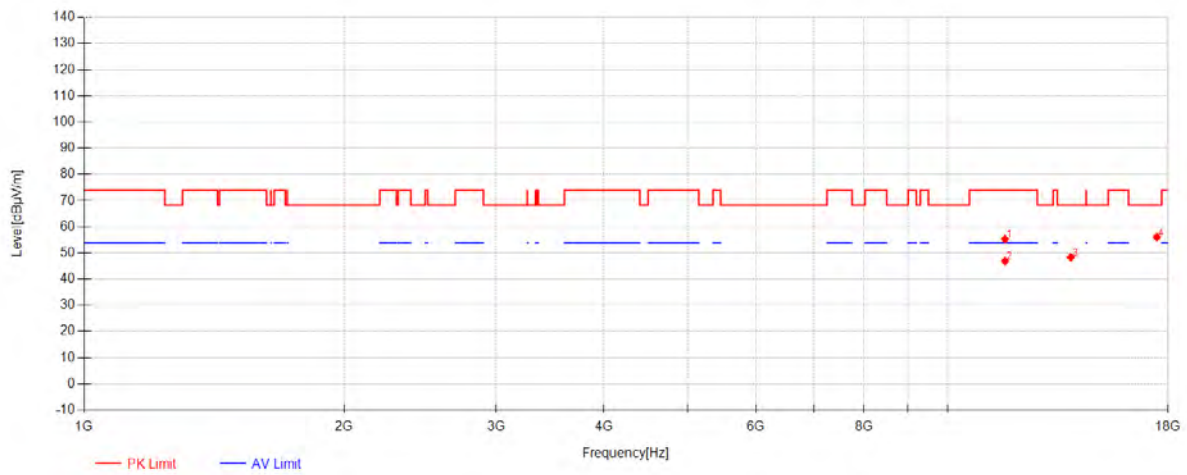


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11555.833	46.62	38.40	-29.77	55.25	74.00	18.75	Vertical
2	11564.583	37.35	38.40	-29.73	46.02	54.00	7.98	Vertical
3	12829.583	37.75	39.40	-29.76	47.39	68.30	20.91	Vertical
4	17359.583	43.14	39.76	-25.39	57.51	68.30	10.79	Vertical

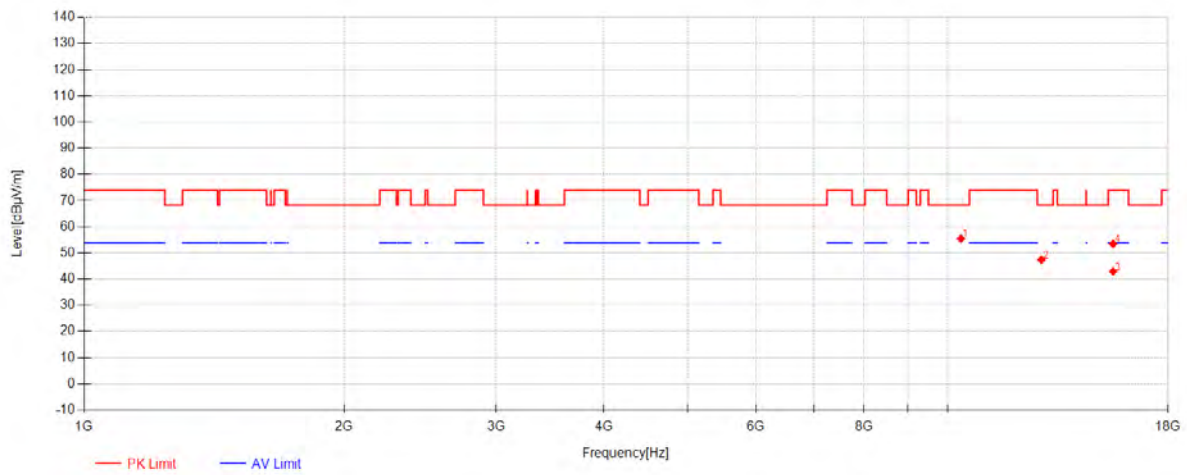
802.11a Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11650.833	45.15	38.40	-29.60	53.95	74.00	20.05	Horizontal
2	11651.25	36.81	38.40	-29.60	45.61	54.00	8.39	Horizontal
3	13855.833	36.18	40.20	-28.79	47.59	68.30	20.71	Horizontal
4	17481.666	37.28	40.06	-24.07	53.26	68.30	15.04	Horizontal

802.11a Channel 165

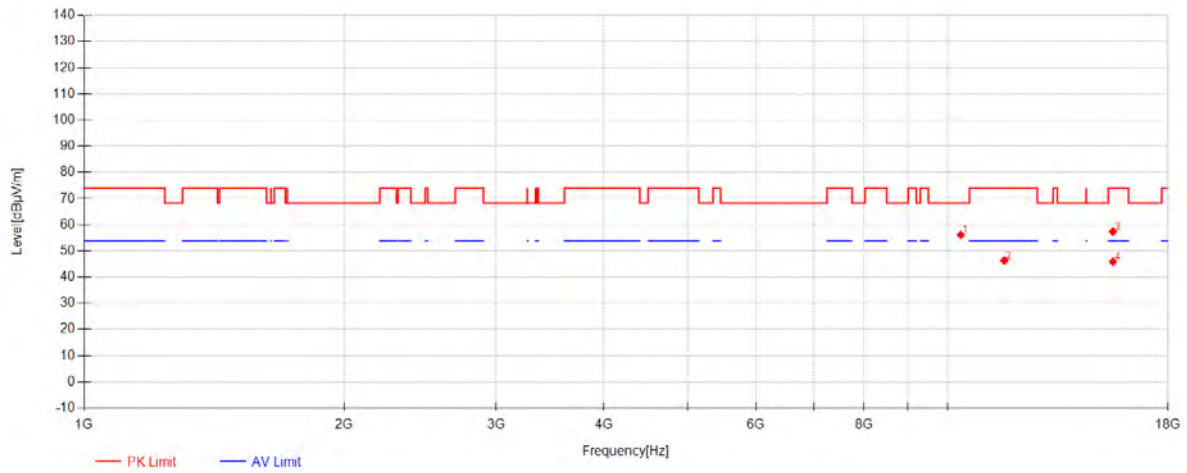
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11654.166	46.50	38.40	-29.60	55.30	74.00	18.70	Vertical
2	11655.833	38.10	38.40	-29.60	46.90	54.00	7.10	Vertical
3	13888.75	36.61	40.22	-28.51	48.33	68.30	19.97	Vertical
4	17469.583	40.28	40.03	-24.23	56.08	68.30	12.22	Vertical

802.11a Channel 36

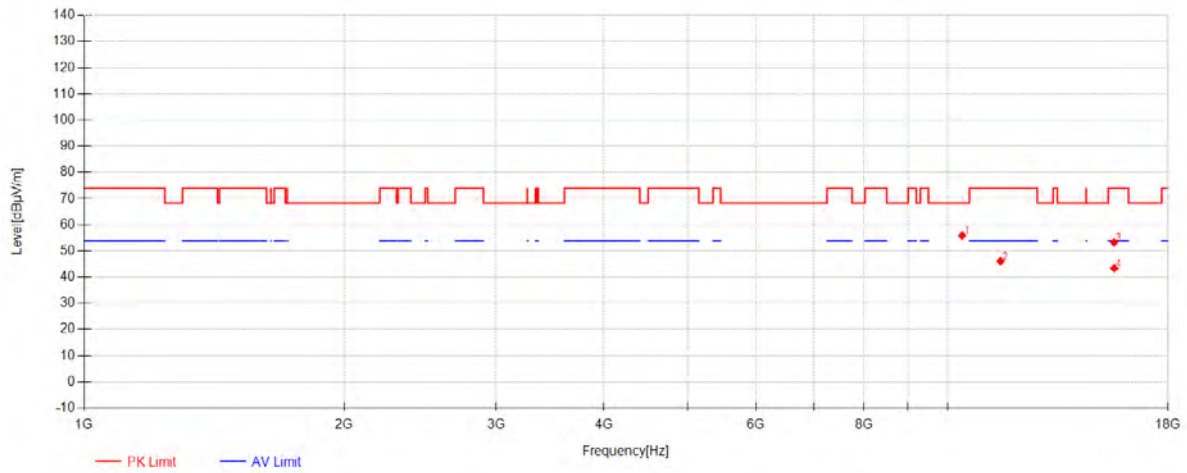
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10361.666	48.86	38.08	-31.47	55.47	68.30	12.83	Horizontal
2	12841.25	37.70	39.41	-29.70	47.41	68.30	20.89	Horizontal
3	15547.083	31.45	39.06	-27.57	42.94	54.00	11.06	Horizontal
4	15547.5	42.04	39.06	-27.57	53.53	74.00	20.47	Horizontal



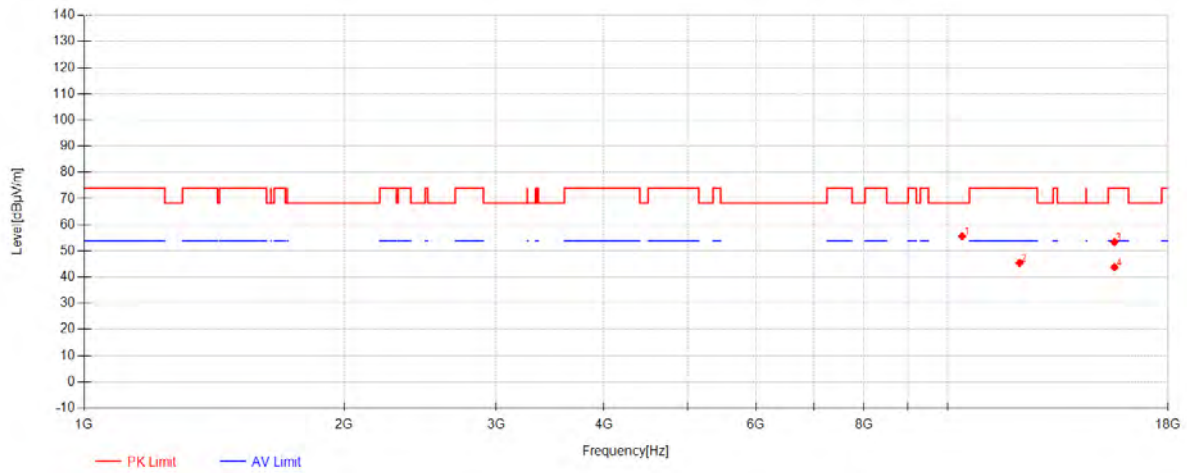
802.11a Channel 36



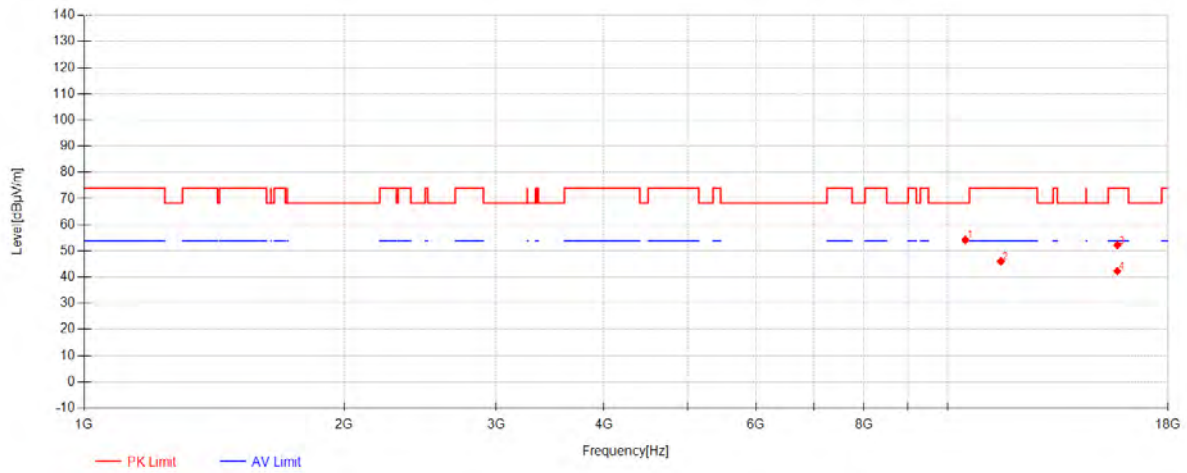
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10356.666	49.59	38.08	-31.51	56.16	68.30	12.14	Vertical
2	11628.75	37.56	38.40	-29.59	46.37	74.00	27.63	Vertical
3	15538.333	45.89	39.08	-27.59	57.38	74.00	16.62	Vertical
4	15542.5	34.41	39.07	-27.58	45.90	54.00	8.10	Vertical

802.11a Channel 40

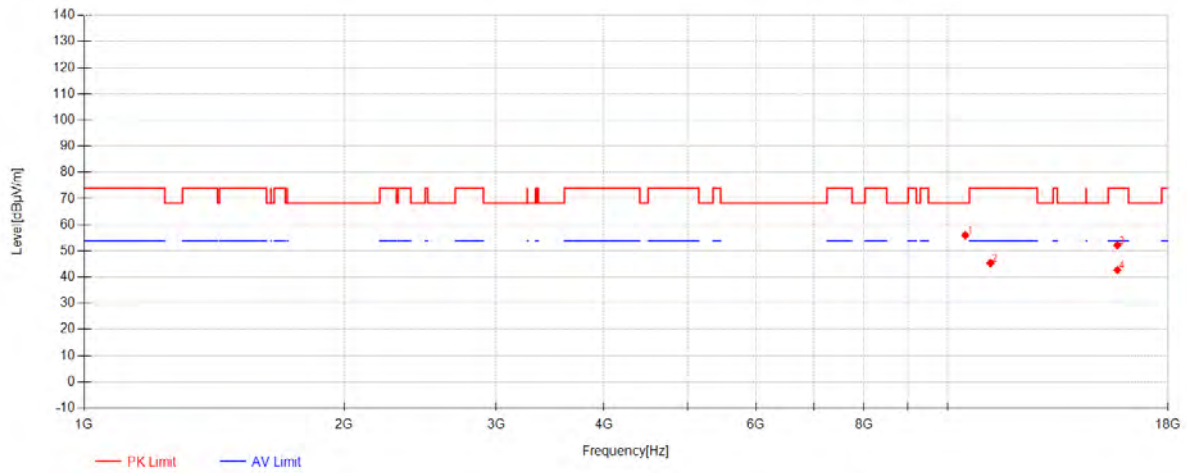
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10394.583	49.07	38.10	-31.20	55.96	68.30	12.34	Horizontal
2	11517.083	37.61	38.40	-29.92	46.09	74.00	27.91	Horizontal
3	15587.916	41.81	38.98	-27.48	53.32	74.00	20.68	Horizontal
4	15594.166	31.92	38.97	-27.46	43.43	54.00	10.57	Horizontal

802.11a Channel 40

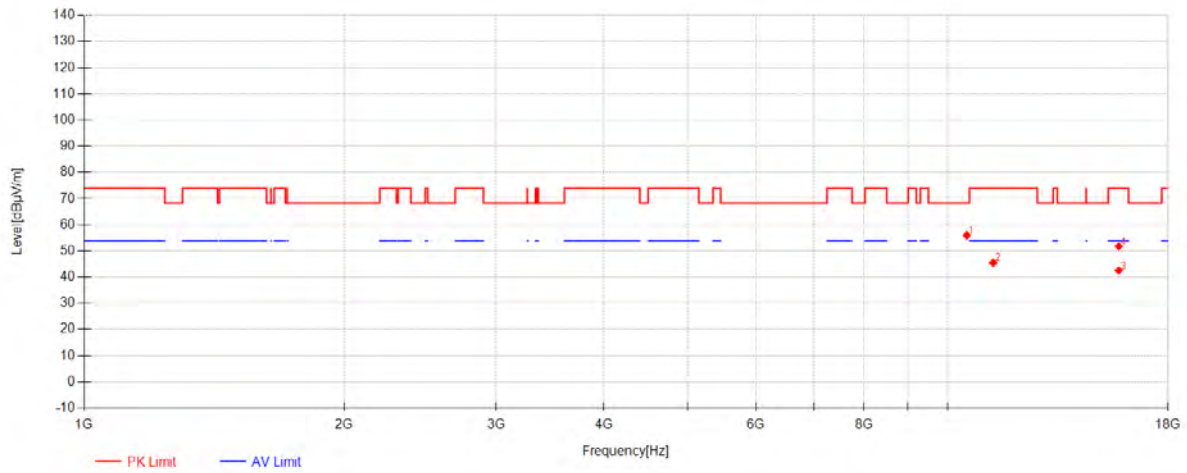
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10394.583	48.76	38.10	-31.20	55.65	68.30	12.65	Vertical
2	12115.833	36.45	38.54	-29.50	45.49	74.00	28.51	Vertical
3	15602.916	41.93	38.95	-27.46	53.42	74.00	20.58	Vertical
4	15604.166	32.35	38.95	-27.47	43.83	54.00	10.17	Vertical

802.11a Channel 48

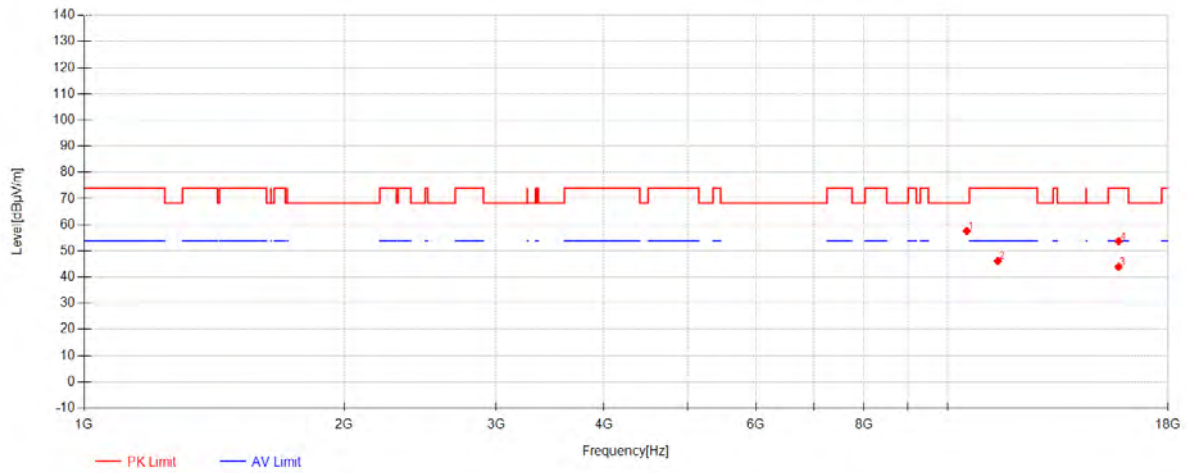
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10484.166	47.16	38.14	-31.05	54.25	68.30	14.05	Horizontal
2	11528.333	37.52	38.40	-29.88	46.04	74.00	27.96	Horizontal
3	15724.166	41.25	38.72	-27.73	52.24	74.00	21.76	Horizontal
4	15725.416	31.34	38.72	-27.72	42.34	54.00	11.66	Horizontal

802.11a Channel 48

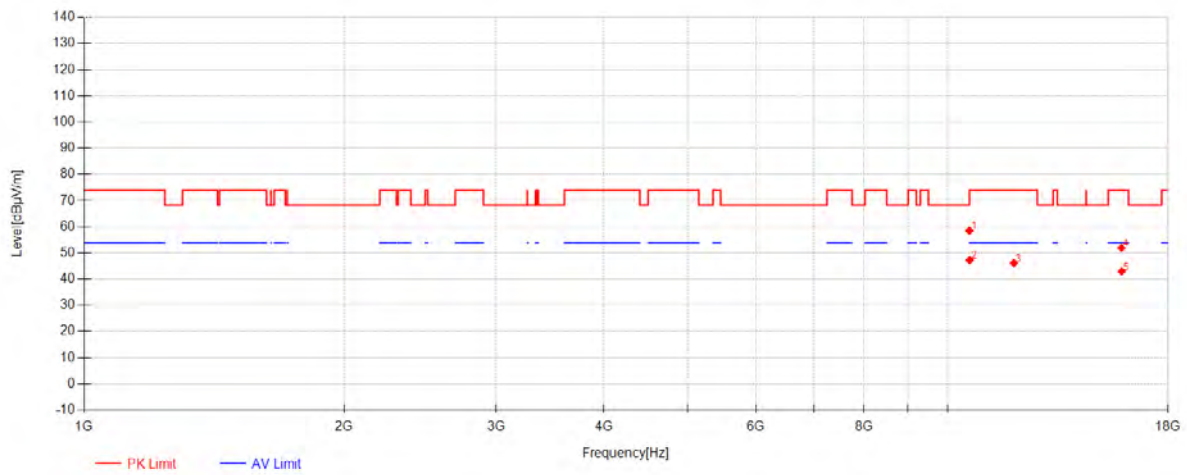
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10483.333	48.96	38.14	-31.05	56.05	68.30	12.25	Vertical
2	11210.416	37.03	38.40	-30.02	45.41	74.00	28.59	Vertical
3	15721.666	41.24	38.73	-27.76	52.21	74.00	21.79	Vertical
4	15726.666	31.73	38.72	-27.71	42.74	54.00	11.26	Vertical

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	10525	48.93	38.16	-31.07	56.02	68.30	12.28	Horizontal
2	11290.416	37.61	38.40	-30.45	45.56	74.00	28.44	Horizontal
3	15782.083	31.16	38.61	-27.21	42.56	54.00	11.44	Horizontal
4	15786.25	40.35	38.61	-27.17	51.78	74.00	22.22	Horizontal

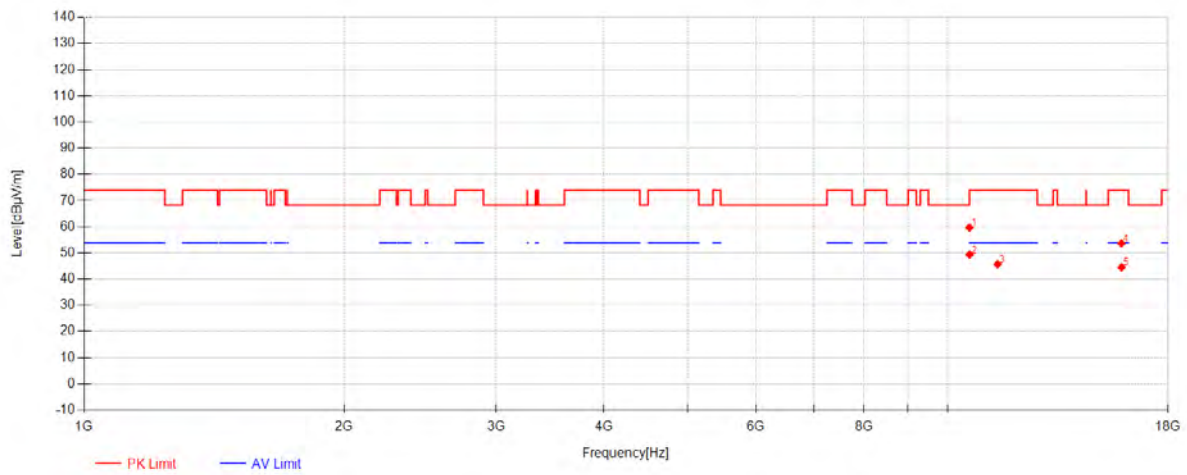
802.11a Channel 52

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10522.083	50.55	38.16	-31.07	57.64	68.30	10.66	Vertical
2	11431.666	37.68	38.40	-29.90	46.18	74.00	27.82	Vertical
3	15773.75	32.62	38.63	-27.29	43.96	54.00	10.04	Vertical
4	15775.833	42.42	38.63	-27.27	53.78	74.00	20.22	Vertical

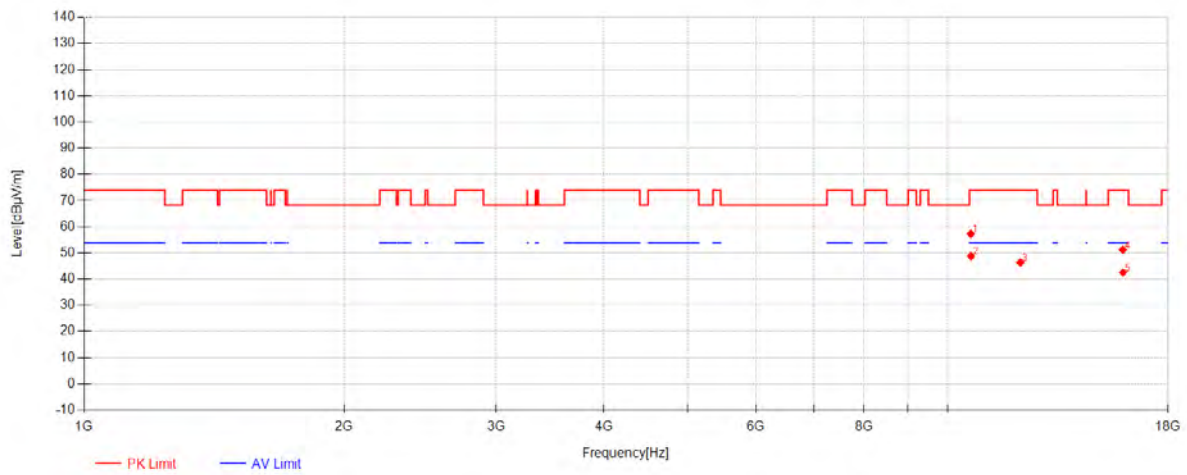
802.11a Channel 60

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10598.333	51.51	38.20	-31.20	58.51	68.30	9.79	Horizontal
2	10604.583	40.23	38.20	-31.16	47.27	54.00	6.73	Horizontal
3	11930.833	36.77	38.40	-29.03	46.14	74.00	27.86	Horizontal
4	15898.75	41.03	38.39	-27.47	51.95	74.00	22.05	Horizontal
5	15904.583	32.04	38.38	-27.48	42.94	54.00	11.06	Horizontal

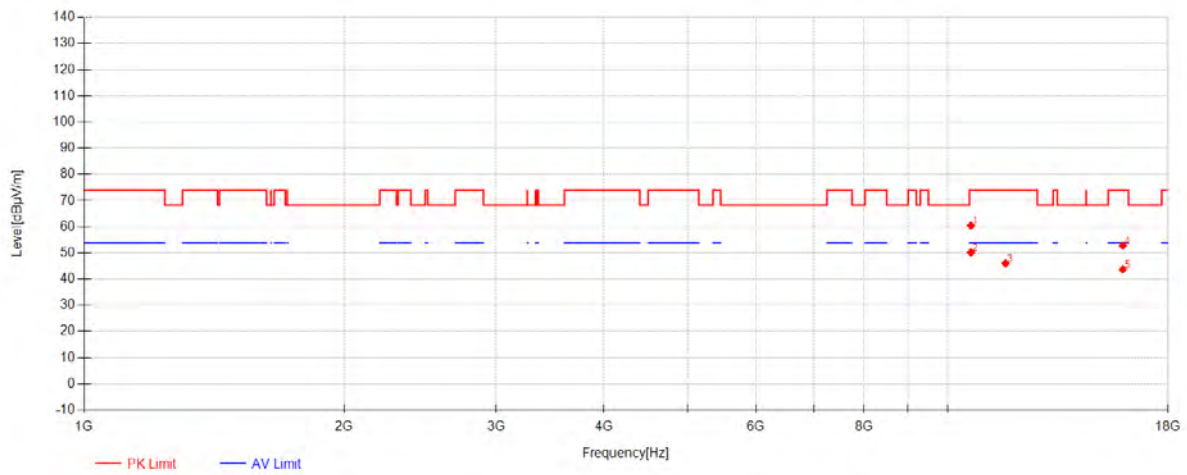
802.11a Channel 60



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10599.583	52.68	38.20	-31.20	59.68	68.30	8.62	Vertical
2	10604.166	42.31	38.20	-31.16	49.35	54.00	4.65	Vertical
3	11425	37.23	38.40	-29.89	45.74	74.00	28.26	Vertical
4	15896.666	42.80	38.40	-27.47	53.73	74.00	20.27	Vertical
5	15901.25	33.69	38.39	-27.48	44.60	54.00	9.40	Vertical

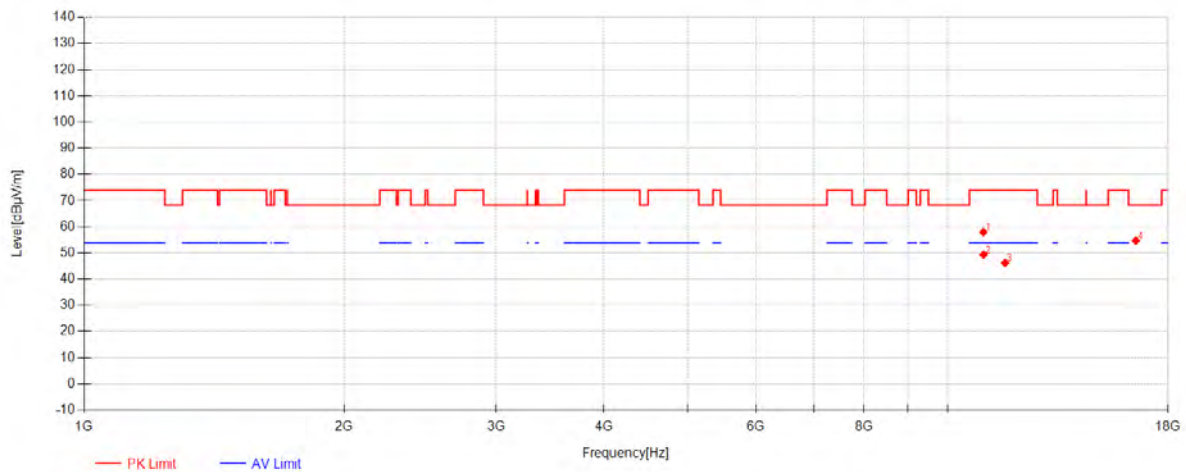
802.11a Channel 64

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10637.083	49.93	38.22	-30.87	57.28	74.00	16.72	Horizontal
2	10642.5	41.37	38.22	-30.82	48.77	54.00	5.23	Horizontal
3	12140.833	37.32	38.57	-29.49	46.40	74.00	27.60	Horizontal
4	15957.5	40.42	38.28	-27.45	51.25	74.00	22.75	Horizontal
5	15963.333	31.71	38.27	-27.45	42.53	54.00	11.47	Horizontal

802.11a Channel 64

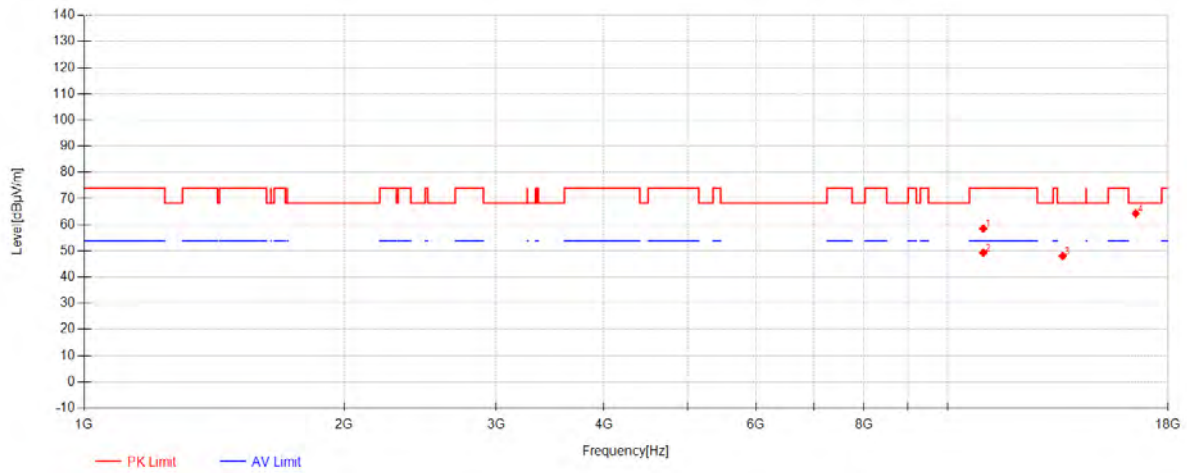
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10639.583	53.03	38.22	-30.84	60.41	74.00	13.59	Vertical
2	10641.666	42.76	38.22	-30.83	50.16	54.00	3.84	Vertical
3	11669.166	37.24	38.40	-29.60	46.04	74.00	27.96	Vertical
4	15954.583	42.03	38.29	-27.45	52.86	74.00	21.14	Vertical
5	15955	32.94	38.29	-27.45	43.77	54.00	10.23	Vertical

802.11ax20_Channel 100



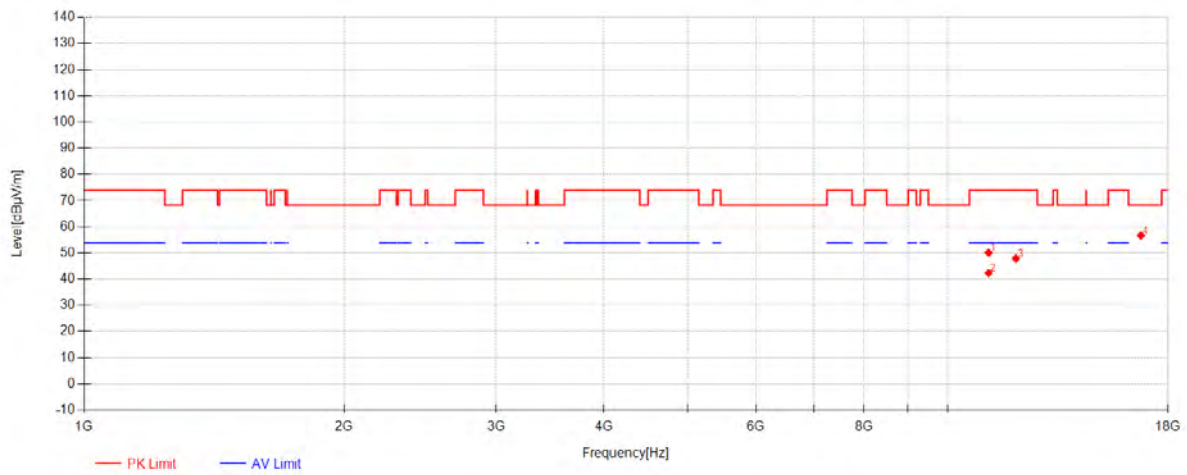
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11003.333	50.05	38.40	-30.49	57.96	74.00	16.04	Horizontal
2	11005	41.43	38.40	-30.49	49.34	54.00	4.66	Horizontal
3	11654.583	37.41	38.40	-29.60	46.21	74.00	27.79	Horizontal
4	16517.916	42.78	38.56	-26.58	54.77	68.30	13.53	Horizontal

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	50.64	38.40	-30.50	58.54	74.00	15.46	Vertical
2	10998.75	41.44	38.40	-30.50	49.34	54.00	4.66	Vertical
3	13592.083	35.84	40.01	-27.80	48.05	68.30	20.25	Vertical
4	16513.333	52.40	38.56	-26.58	64.38	68.30	3.92	Vertical

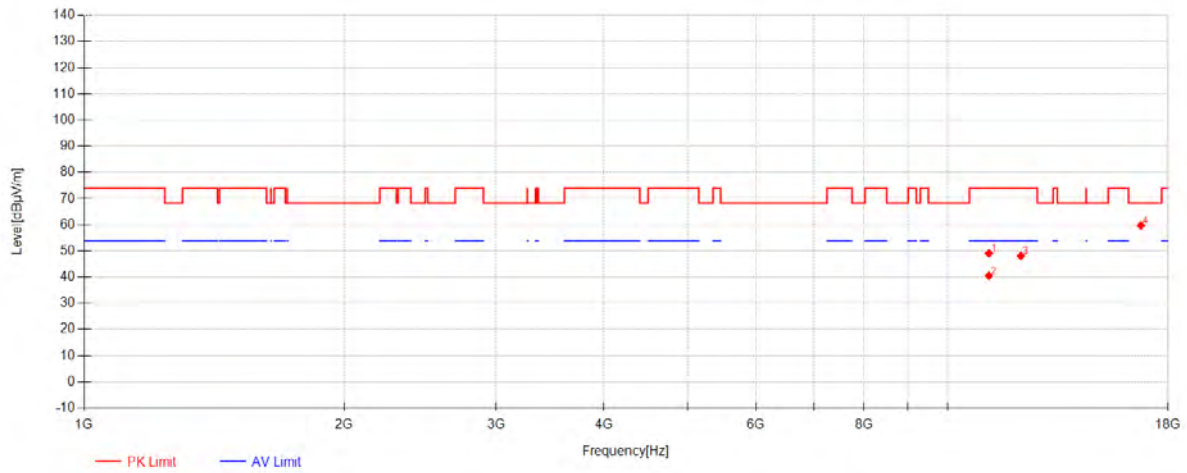
802.11ax20 Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11156.666	41.79	38.40	-30.12	50.07	74.00	23.93	Horizontal
2	11157.083	34.05	38.40	-30.11	42.34	54.00	11.66	Horizontal
3	11997.083	38.77	38.40	-29.29	47.88	74.00	26.12	Horizontal
4	16747.083	44.48	38.72	-26.47	56.73	68.30	11.57	Horizontal

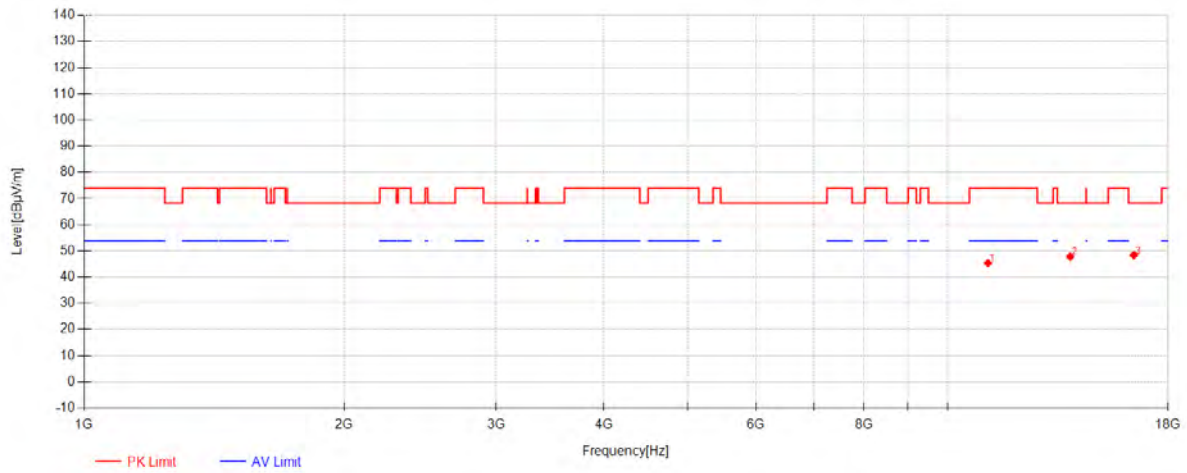


802.11ax20 Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11164.166	40.75	38.40	-30.09	49.06	74.00	24.94	Vertical
2	11164.583	32.18	38.40	-30.09	40.49	54.00	13.51	Vertical
3	12155.833	38.99	38.59	-29.49	48.09	74.00	25.91	Vertical
4	16745	47.50	38.72	-26.48	59.74	68.30	8.56	Vertical

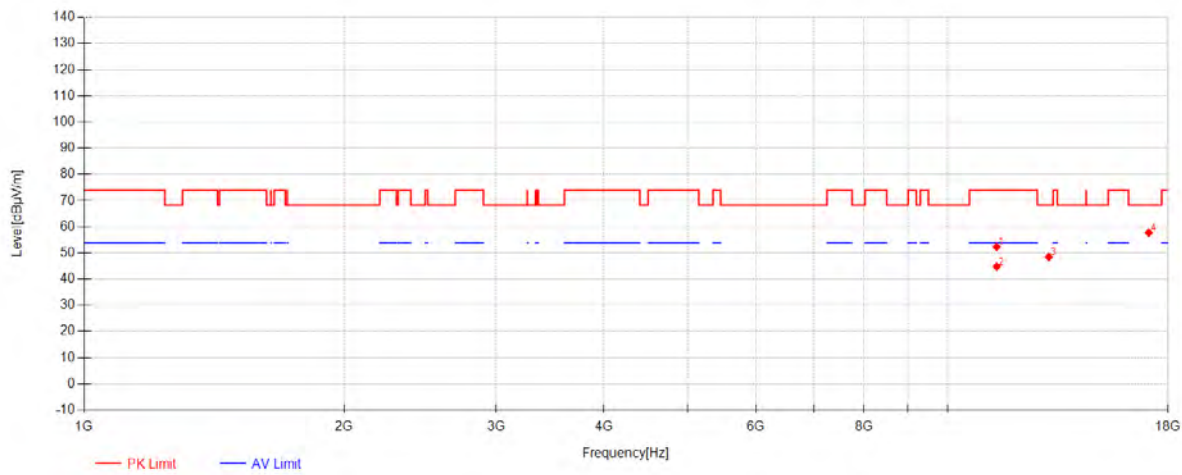
802.11ax20 Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11135.833	37.21	38.40	-30.19	45.42	74.00	28.58	Horizontal
2	13866.25	36.33	40.21	-28.70	47.84	68.30	20.46	Horizontal
3	16429.166	36.42	38.50	-26.53	48.39	68.30	19.91	Horizontal

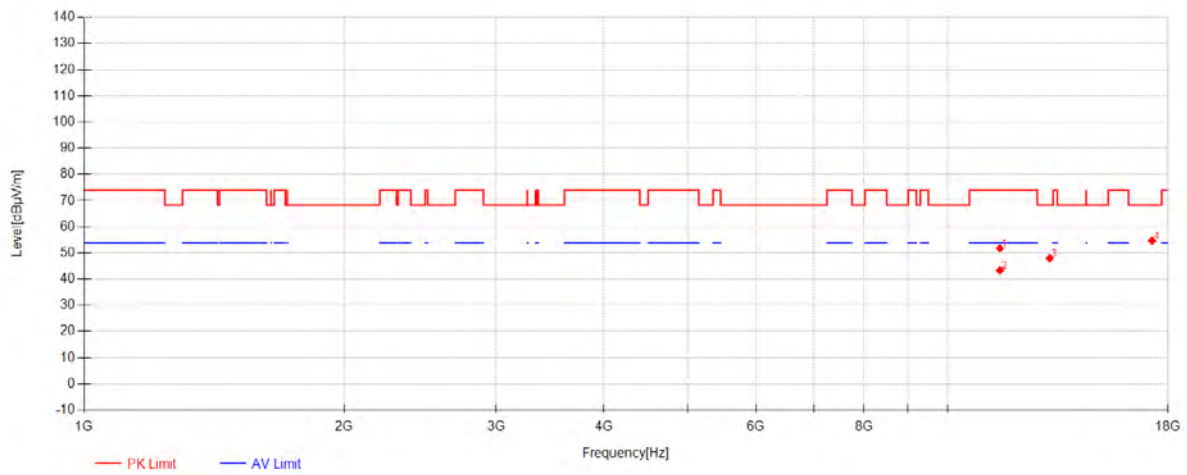


802.11ax20 Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11396.666	43.81	38.40	-29.88	52.33	74.00	21.67	Vertical
2	11398.333	36.32	38.40	-29.87	44.85	54.00	9.15	Vertical
3	13094.166	37.74	39.67	-28.95	48.46	68.30	19.84	Vertical
4	17099.583	44.61	39.14	-25.99	57.76	68.30	10.54	Vertical

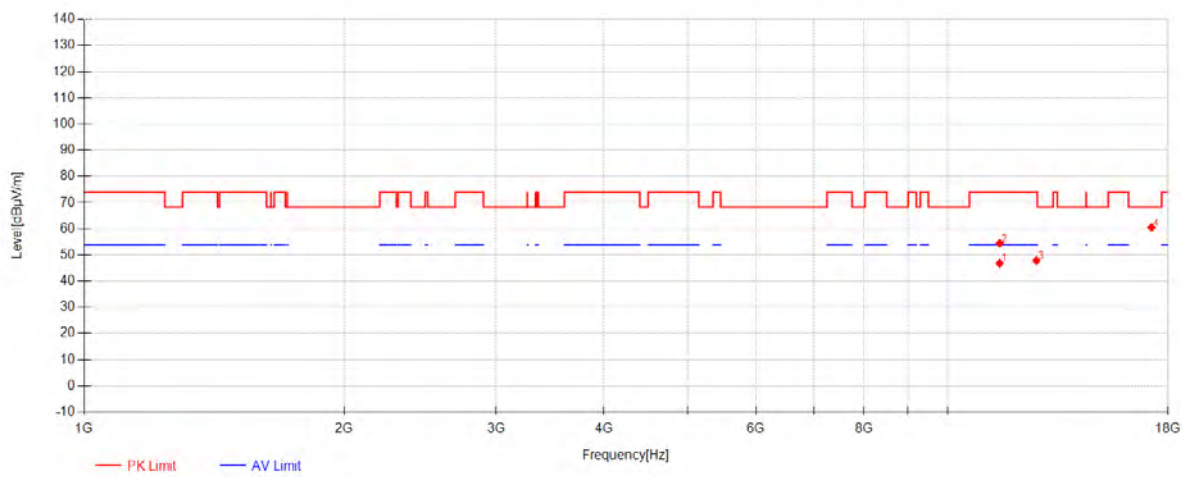
802.11ax20 Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11495	43.37	38.40	-29.98	51.79	74.00	22.21	Horizontal
2	11497.083	34.96	38.40	-29.99	43.37	54.00	10.63	Horizontal
3	13130	37.28	39.69	-28.99	47.98	68.30	20.32	Horizontal
4	17246.25	40.53	39.49	-25.27	54.75	68.30	13.55	Horizontal

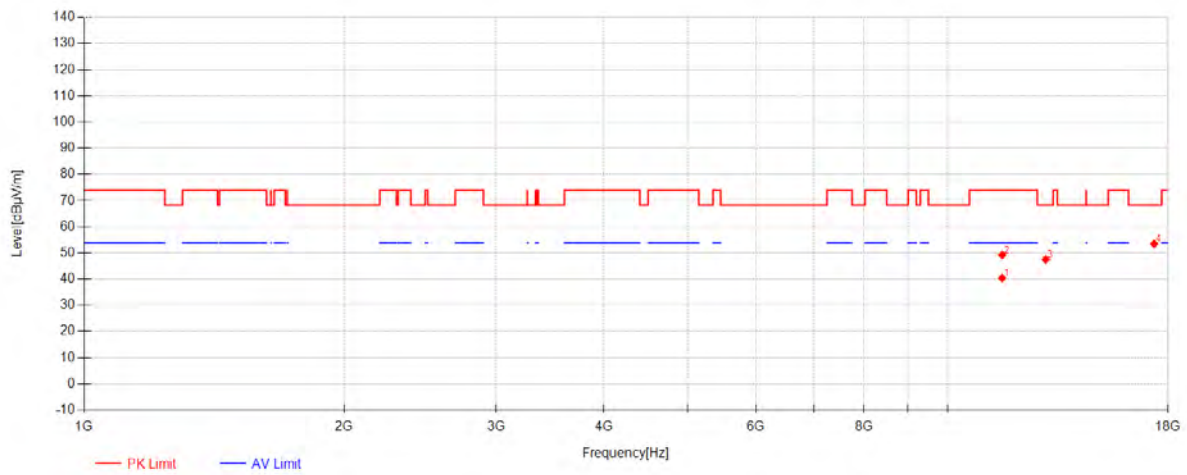


802.11ax20 Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11489.166	38.42	38.40	-29.98	46.84	54.00	7.16	Vertical
2	11490.833	46.05	38.40	-29.98	54.47	74.00	19.53	Vertical
3	12672.083	38.27	39.21	-29.63	47.85	74.00	26.15	Vertical
4	17222.916	46.08	39.43	-25.04	60.48	68.30	7.82	Vertical

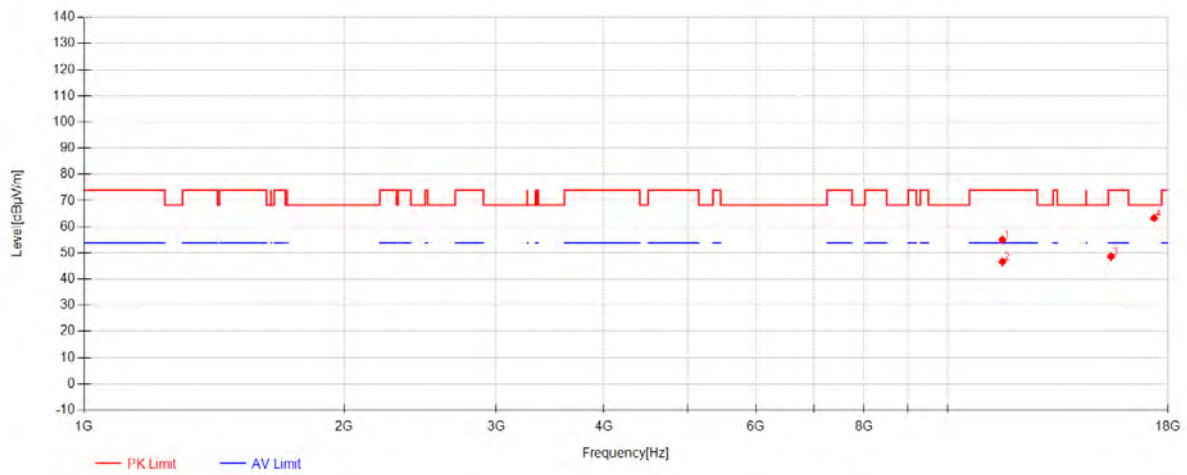
802.11ax20 Channel 157



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11564.166	31.72	38.40	-29.73	40.39	54.00	13.61	Horizontal
2	11567.083	40.55	38.40	-29.72	49.23	74.00	24.77	Horizontal
3	12990.416	37.79	39.59	-29.82	47.56	68.30	20.74	Horizontal
4	17346.25	39.29	39.73	-25.49	53.54	68.30	14.76	Horizontal



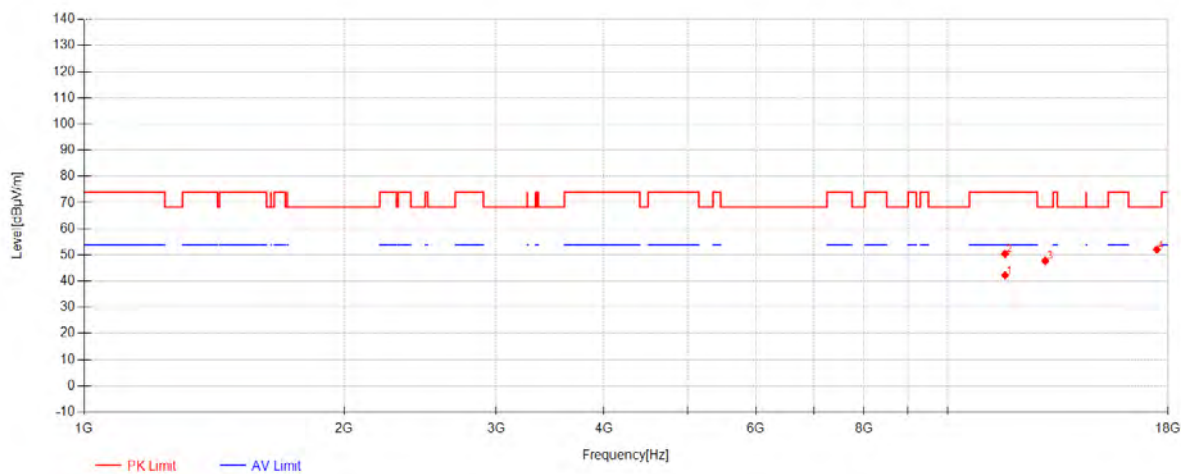
802.11ax20 Channel 157



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11572.083	46.38	38.40	-29.70	55.08	74.00	18.92	Vertical
2	11573.75	37.96	38.40	-29.70	46.66	54.00	7.34	Vertical
3	15459.583	36.99	39.23	-27.61	48.60	74.00	25.40	Vertical
4	17344.166	49.15	39.73	-25.50	63.38	68.30	4.92	Vertical



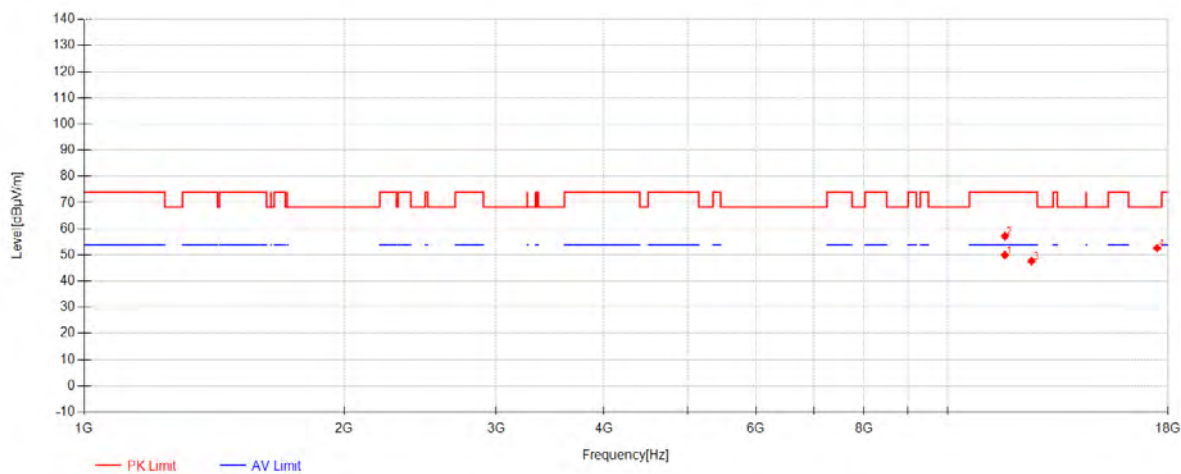
802.11ax20 Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11654.166	33.49	38.40	-29.60	42.29	54.00	11.71	Horizontal
2	11655.833	41.61	38.40	-29.60	50.41	74.00	23.59	Horizontal
3	12974.166	37.94	39.57	-29.74	47.77	68.30	20.53	Horizontal
4	17470	36.29	40.03	-24.22	52.09	68.30	16.21	Horizontal



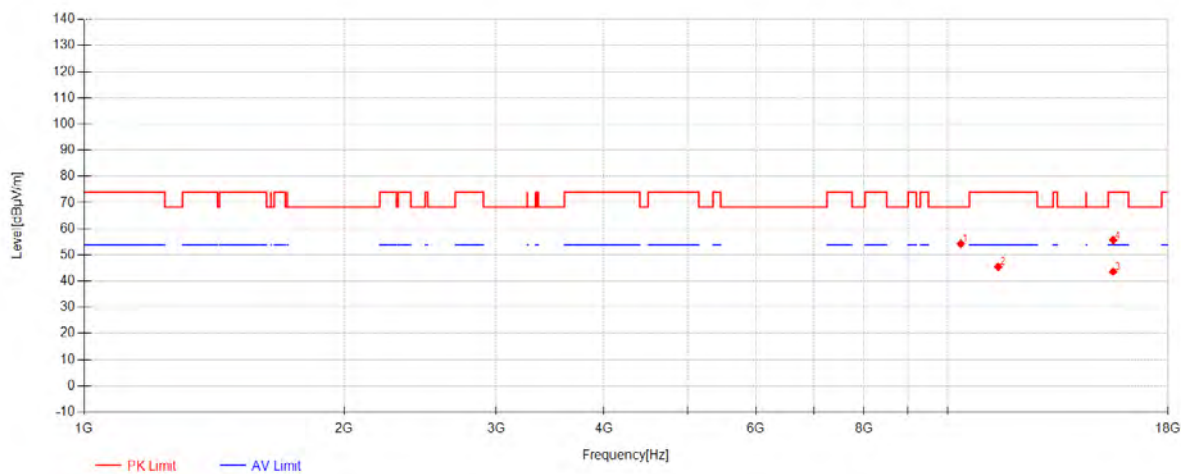
802.11ax20 Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11652.083	41.15	38.40	-29.60	49.95	54.00	4.05	Vertical
2	11652.916	48.38	38.40	-29.60	57.18	74.00	16.82	Vertical
3	12507.916	38.53	39.01	-29.86	47.68	74.00	26.32	Vertical
4	17482.916	36.65	40.06	-24.06	52.65	68.30	15.65	Vertical

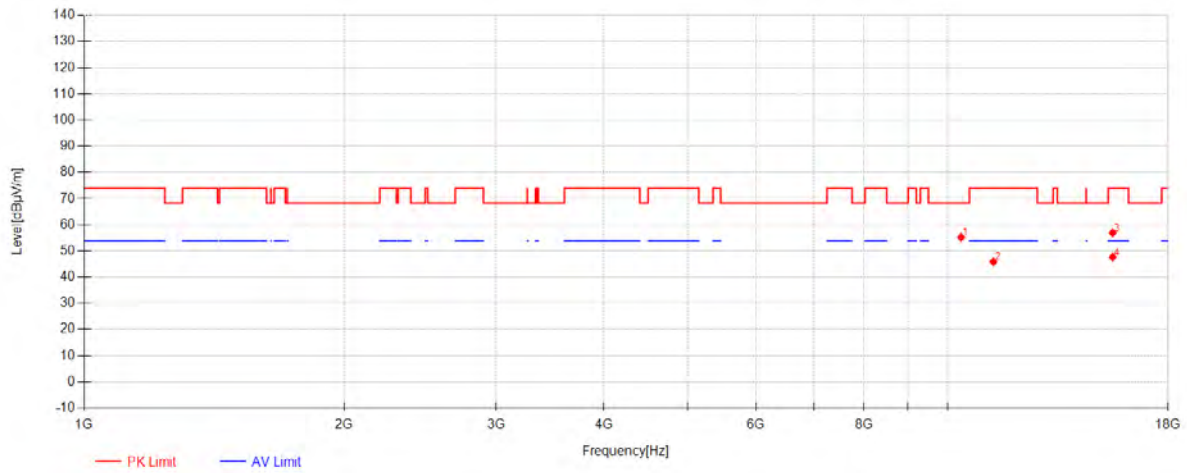


802.11ax20 Channel 36



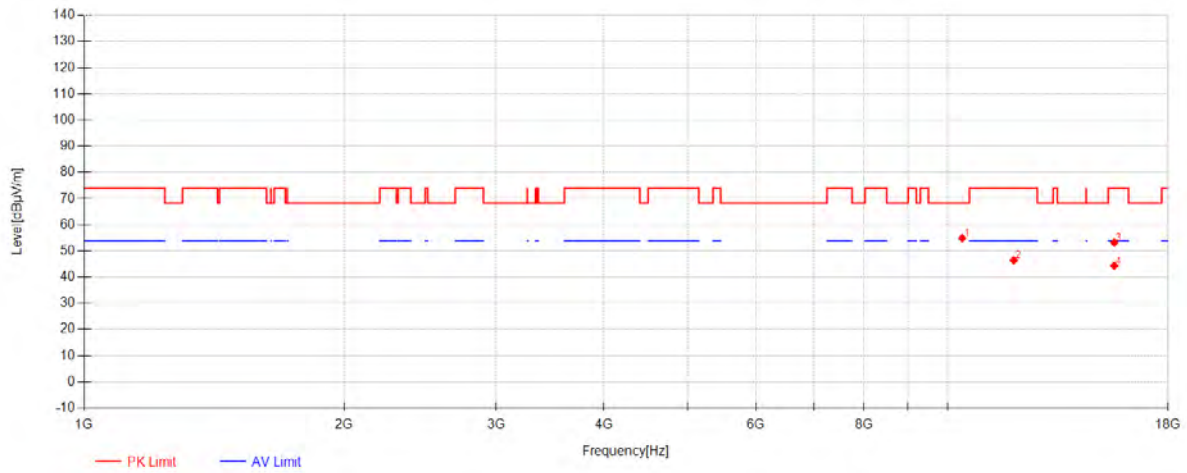
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10357.083	47.75	38.08	-31.51	54.32	68.30	13.98	Horizontal
2	11443.333	37.05	38.40	-29.92	45.53	74.00	28.47	Horizontal
3	15550.833	32.13	39.05	-27.56	43.63	54.00	10.37	Horizontal
4	15551.25	44.27	39.05	-27.56	55.77	74.00	18.23	Horizontal

802.11ax20 Channel 36

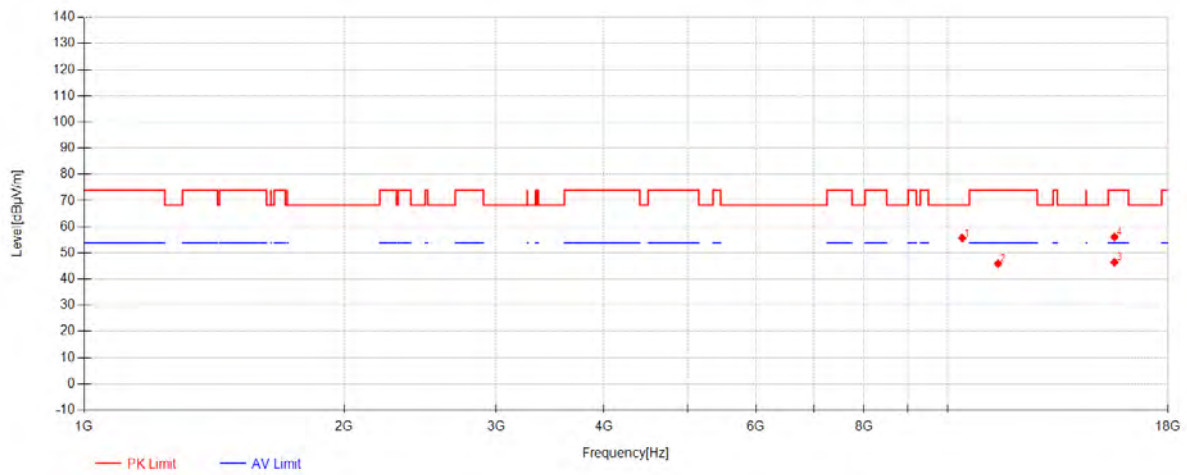


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10365.416	48.60	38.08	-31.44	55.24	68.30	13.06	Vertical
2	11297.083	37.98	38.40	-30.48	45.90	74.00	28.10	Vertical
3	15530	45.48	39.09	-27.60	56.97	74.00	17.03	Vertical
4	15530.833	36.20	39.09	-27.60	47.69	54.00	6.31	Vertical

802.11ax20 Channel 40



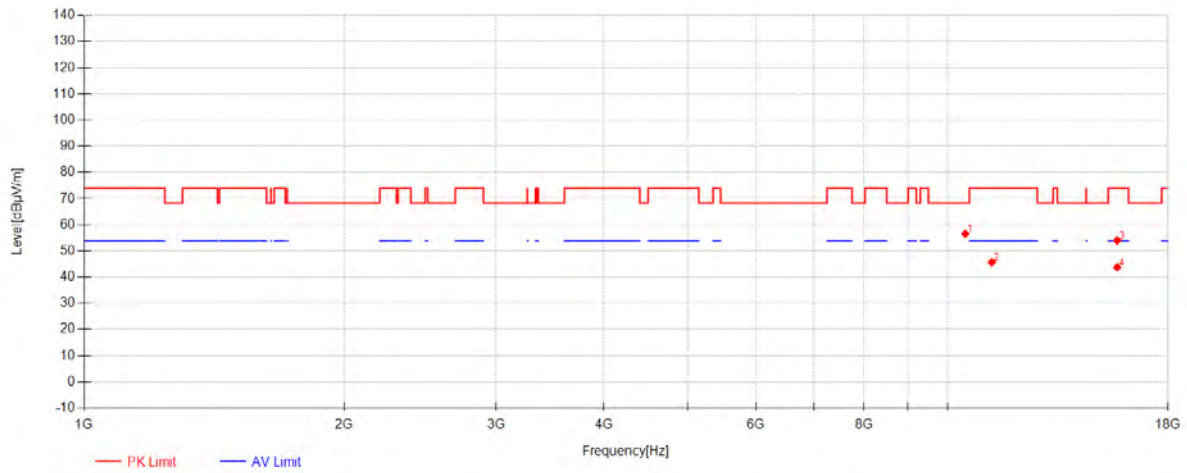
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10396.25	48.05	38.10	-31.19	54.96	68.30	13.34	Horizontal
2	11929.583	37.12	38.40	-29.03	46.49	74.00	27.51	Horizontal
3	15597.5	41.76	38.96	-27.46	53.27	74.00	20.73	Horizontal
4	15597.5	32.93	38.96	-27.46	44.44	54.00	9.56	Horizontal

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	10398.333	48.83	38.10	-31.17	55.76	68.30	12.54	Vertical
2	11439.583	37.46	38.40	-29.91	45.95	74.00	28.05	Vertical
3	15604.583	35.03	38.95	-27.47	46.51	54.00	7.49	Vertical
4	15605.416	44.65	38.95	-27.48	56.12	74.00	17.88	Vertical



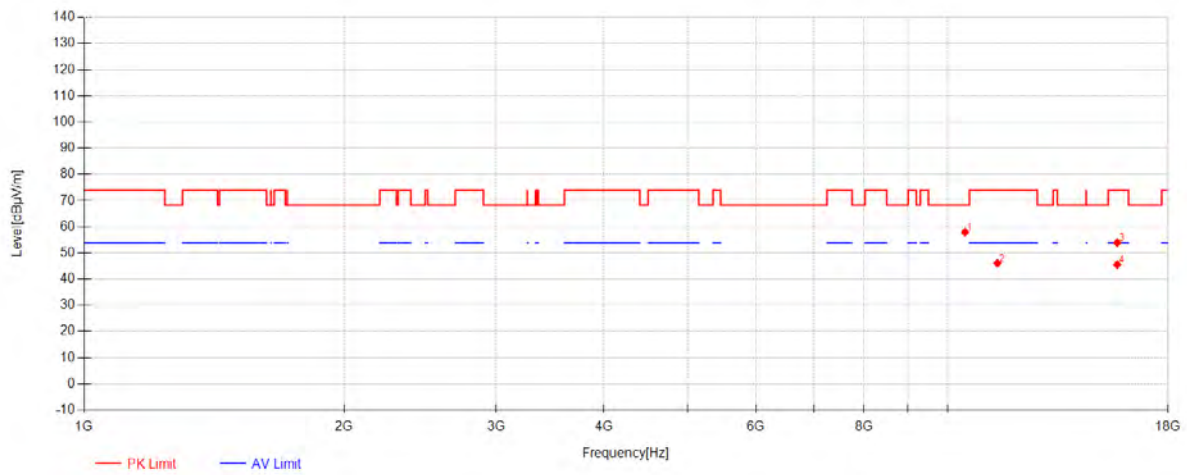
802.11ax20 Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10482.5	49.49	38.14	-31.05	56.58	68.30	11.72	Horizontal
2	11249.583	37.54	38.40	-30.23	45.71	74.00	28.29	Horizontal
3	15716.666	43.13	38.74	-27.80	54.07	74.00	19.93	Horizontal
4	15719.583	32.84	38.73	-27.77	43.80	54.00	10.20	Horizontal

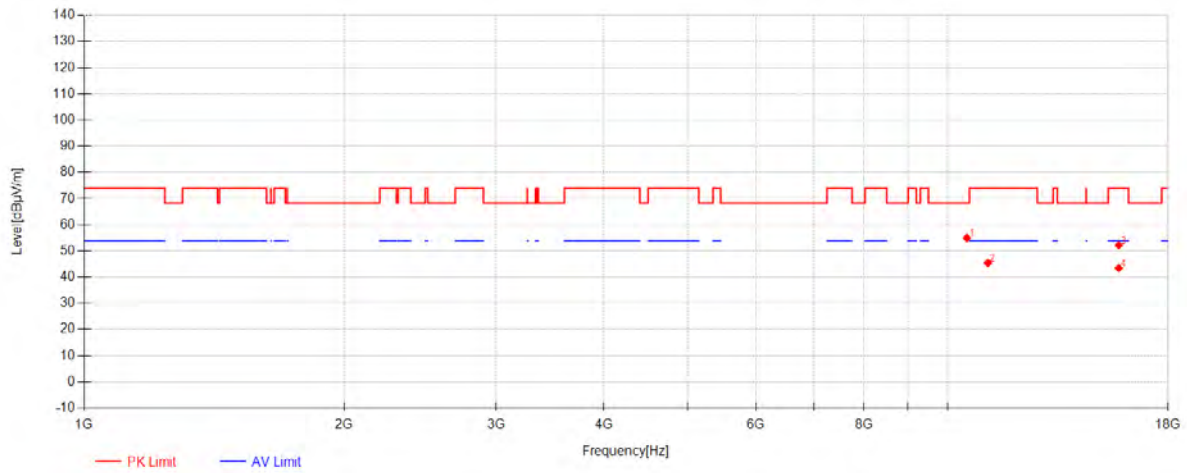


802.11ax20 Channel 48



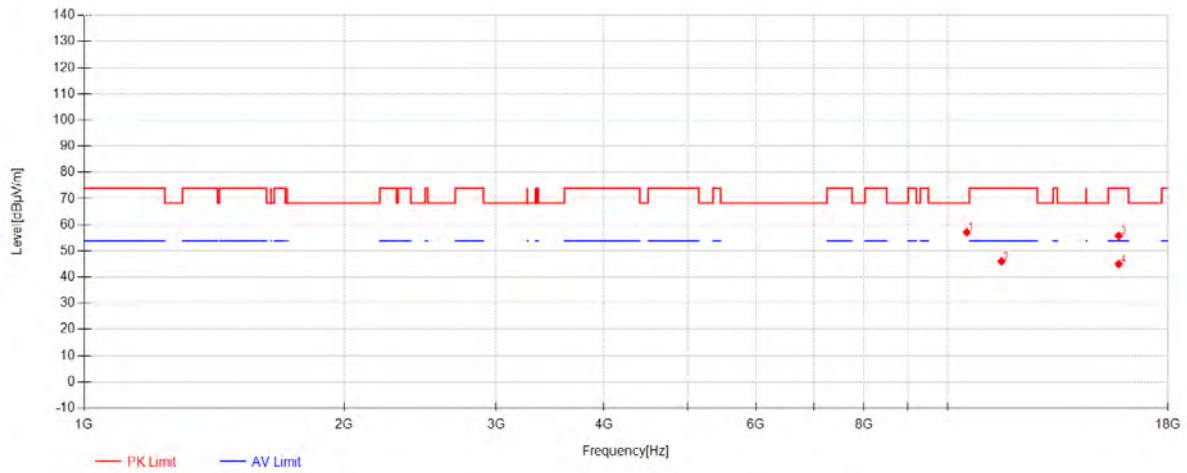
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10477.916	50.88	38.14	-31.06	57.96	68.30	10.34	Vertical
2	11419.583	37.60	38.40	-29.89	46.11	74.00	27.89	Vertical
3	15718.75	43.04	38.73	-27.78	53.99	74.00	20.01	Vertical
4	15720.833	34.63	38.73	-27.76	45.60	54.00	8.40	Vertical

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	10527.083	47.97	38.16	-31.08	55.06	68.30	13.24	Horizontal
2	11130.416	37.26	38.40	-30.21	45.45	74.00	28.55	Horizontal
3	15781.25	40.80	38.62	-27.22	52.20	74.00	21.80	Horizontal
4	15783.75	32.07	38.61	-27.20	43.48	54.00	10.52	Horizontal

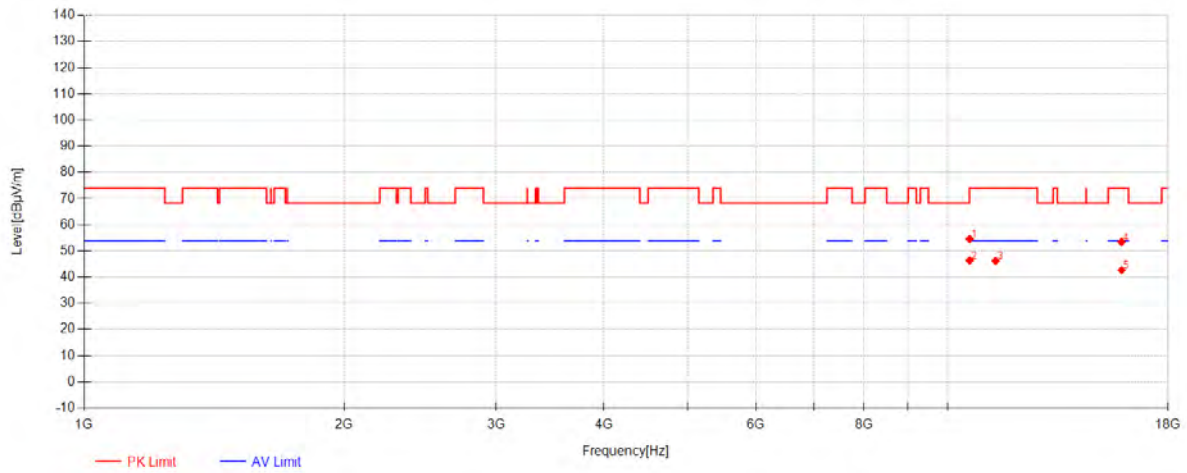
802.11ax20 Channel 52



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10522.5	50.05	38.16	-31.07	57.14	68.30	11.16	Vertical
2	11547.083	37.43	38.40	-29.80	46.03	74.00	27.97	Vertical
3	15782.083	44.42	38.61	-27.21	55.82	74.00	18.18	Vertical
4	15782.083	33.65	38.61	-27.21	45.05	54.00	8.95	Vertical

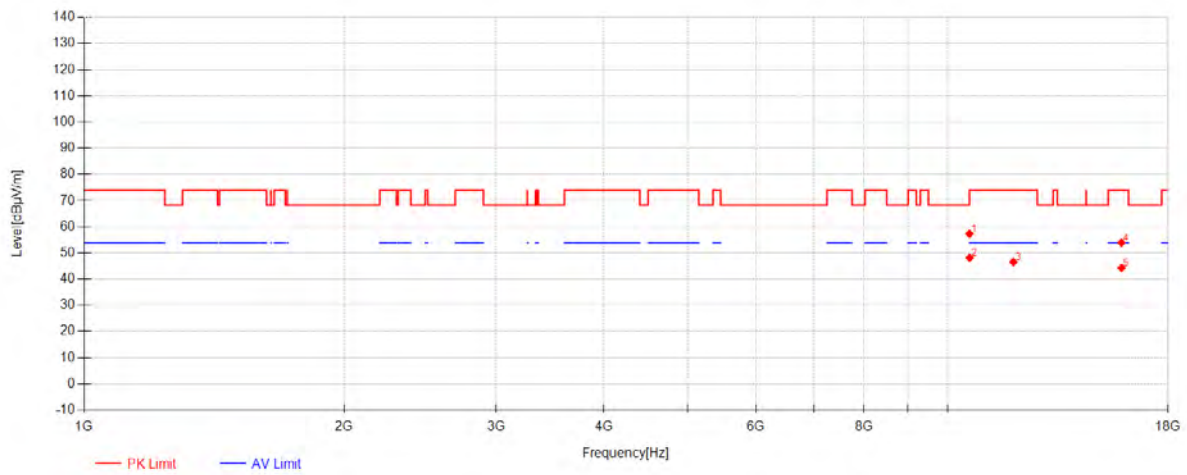


802.11ax20 Channel 60



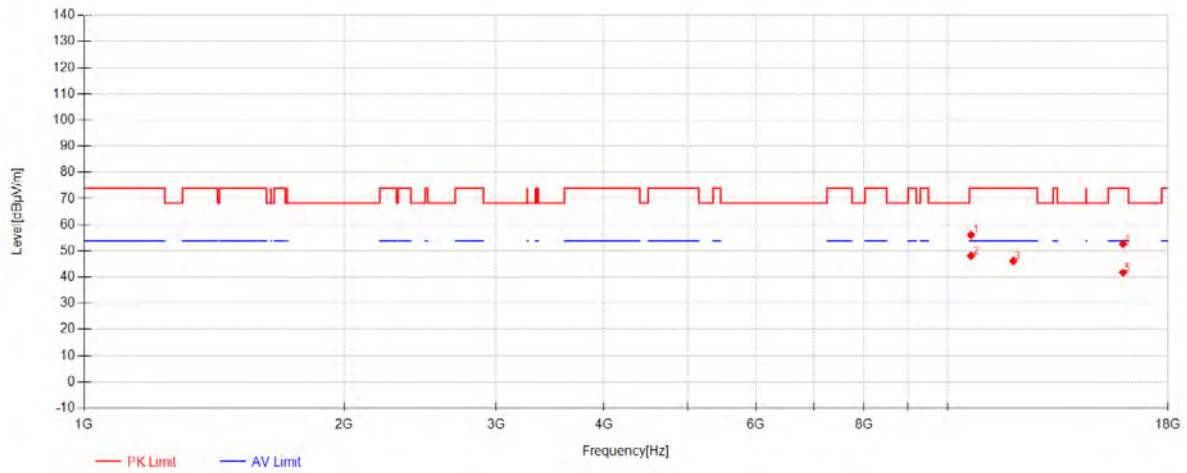
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10603.333	47.62	38.20	-31.17	54.65	74.00	19.35	Horizontal
2	10605.416	39.36	38.20	-31.15	46.41	54.00	7.59	Horizontal
3	11364.166	37.91	38.40	-30.09	46.22	74.00	27.78	Horizontal
4	15899.166	42.57	38.39	-27.48	53.49	74.00	20.51	Horizontal
5	15903.75	31.78	38.38	-27.48	42.68	54.00	11.32	Horizontal

802.11ax20 Channel 60



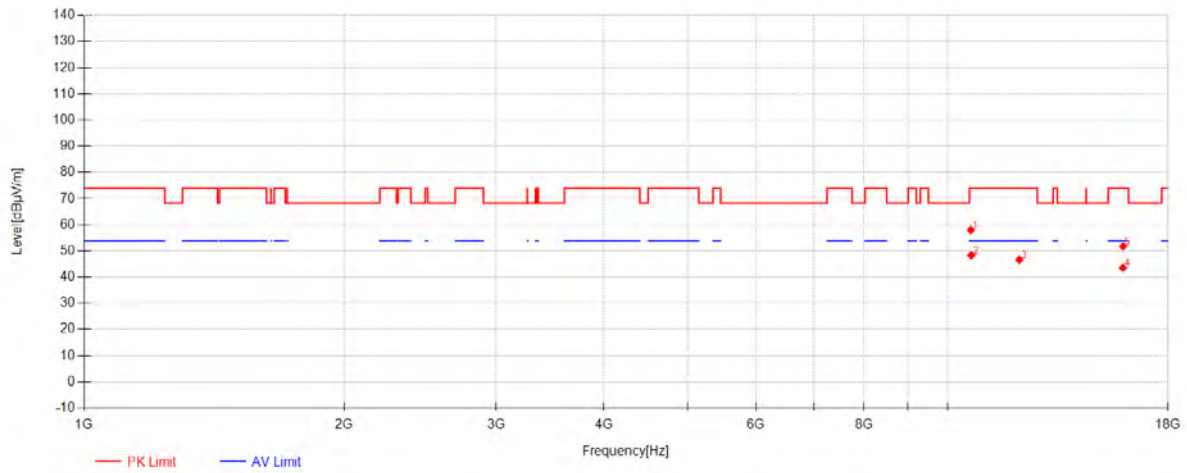
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10600.833	50.31	38.20	-31.19	57.32	74.00	16.68	Vertical
2	10603.75	41.10	38.20	-31.17	48.14	54.00	5.86	Vertical
3	11918.333	37.17	38.40	-28.98	46.59	74.00	27.41	Vertical
4	15900	43.09	38.39	-27.48	54.00	74.00	20.00	Vertical
5	15903.75	33.45	38.38	-27.48	44.35	54.00	9.65	Vertical

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	10643.75	48.72	38.22	-30.81	56.14	74.00	17.86	Horizontal
2	10644.583	40.70	38.22	-30.80	48.12	54.00	5.88	Horizontal
3	11915.833	36.73	38.40	-28.97	46.16	74.00	27.84	Horizontal
4	15965.416	41.84	38.27	-27.45	52.66	74.00	21.34	Horizontal
5	15966.666	30.92	38.26	-27.45	41.74	54.00	12.26	Horizontal

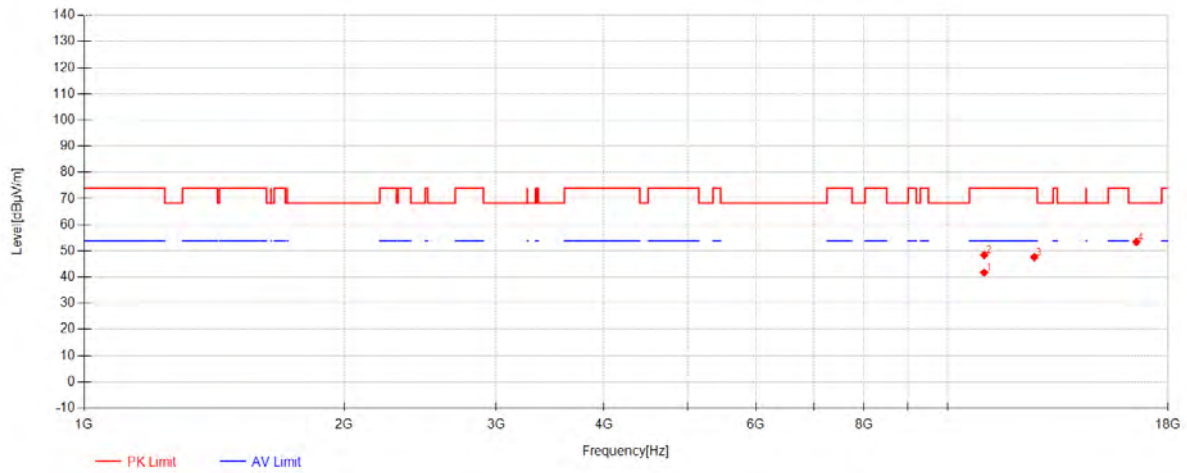
802.11ax20 Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10639.166	50.63	38.22	-30.85	58.00	74.00	16.00	Vertical
2	10648.333	40.89	38.22	-30.77	48.35	54.00	5.65	Vertical
3	12106.666	37.65	38.53	-29.50	46.68	74.00	27.32	Vertical
4	15961.25	32.77	38.27	-27.45	43.59	54.00	10.41	Vertical
5	15966.666	40.95	38.26	-27.45	51.77	74.00	22.23	Vertical



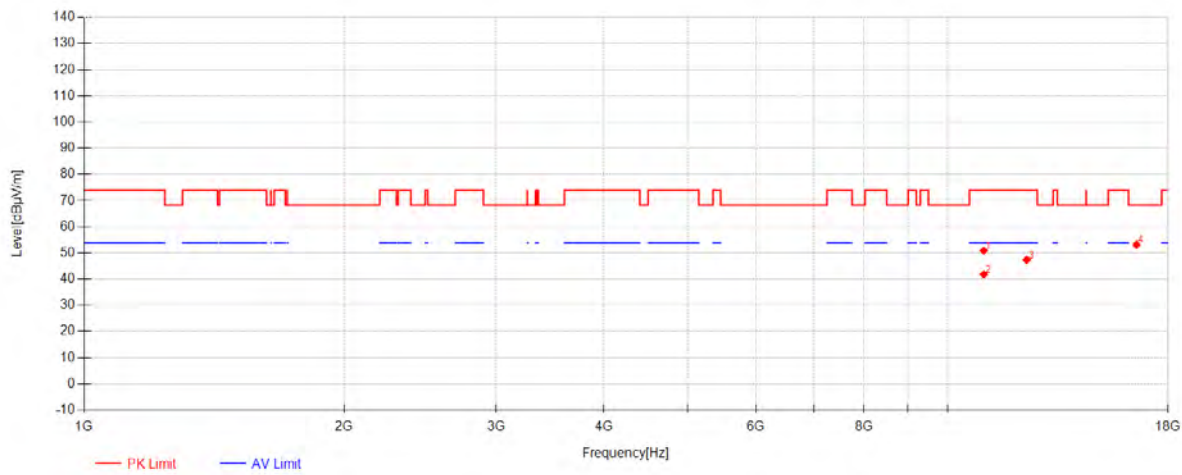
802.11ax40 Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11024.166	33.82	38.40	-30.46	41.76	54.00	12.24	Horizontal
2	11025	40.52	38.40	-30.46	48.46	74.00	25.54	Horizontal
3	12600.416	38.39	39.12	-29.85	47.66	74.00	26.34	Horizontal
4	16544.583	41.45	38.58	-26.54	53.49	68.30	14.81	Horizontal

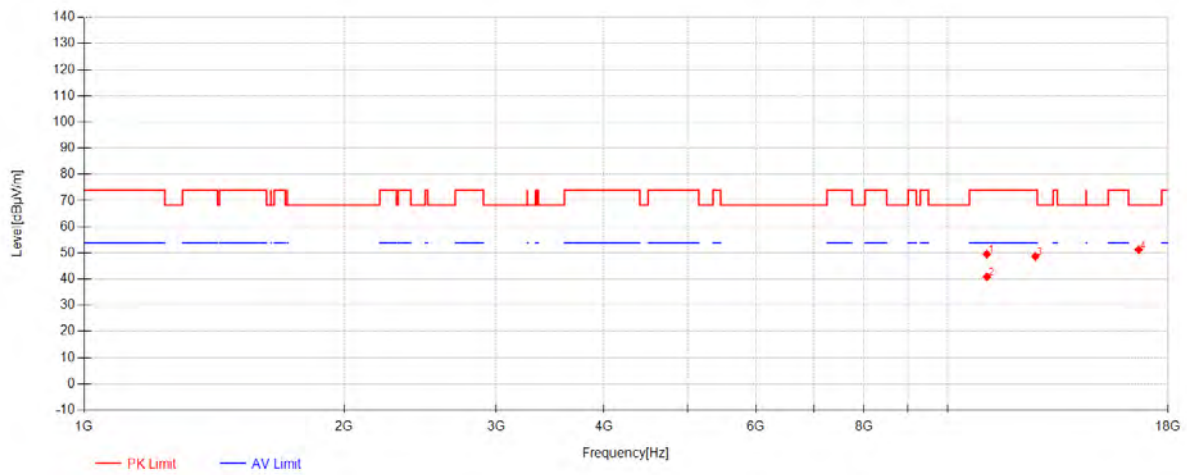


802.11ax40 Channel 102



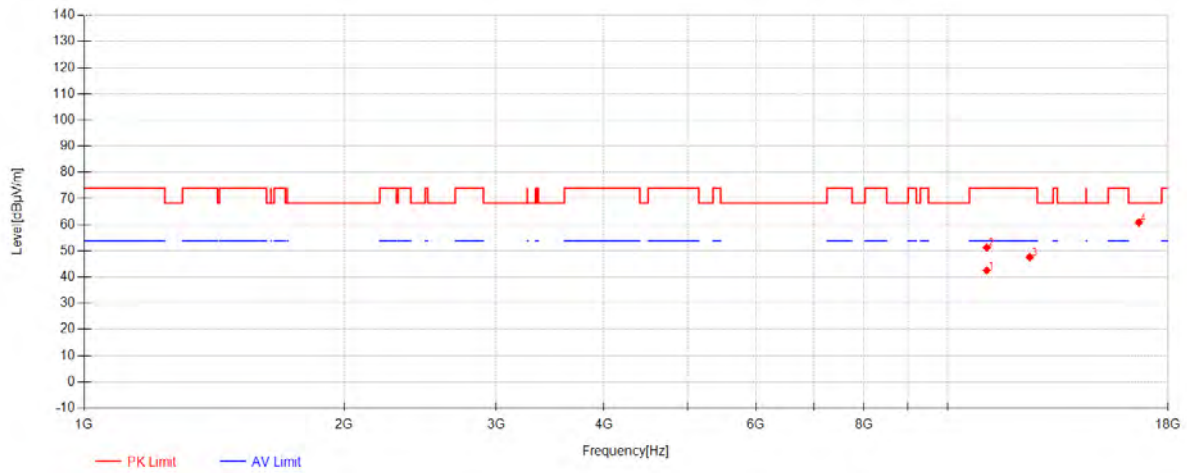
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11012.916	42.94	38.40	-30.48	50.86	74.00	23.14	Vertical
2	11013.333	33.90	38.40	-30.48	41.82	54.00	12.18	Vertical
3	12347.083	38.09	38.82	-29.52	47.39	74.00	26.61	Vertical
4	16545.416	41.17	38.58	-26.54	53.21	68.30	15.09	Vertical

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	11102.083	41.43	38.40	-30.31	49.52	74.00	24.48	Horizontal
2	11103.75	32.74	38.40	-30.31	40.83	54.00	13.17	Horizontal
3	12636.25	39.25	39.16	-29.74	48.68	74.00	25.32	Horizontal
4	16645.833	39.20	38.65	-26.60	51.25	68.30	17.05	Horizontal

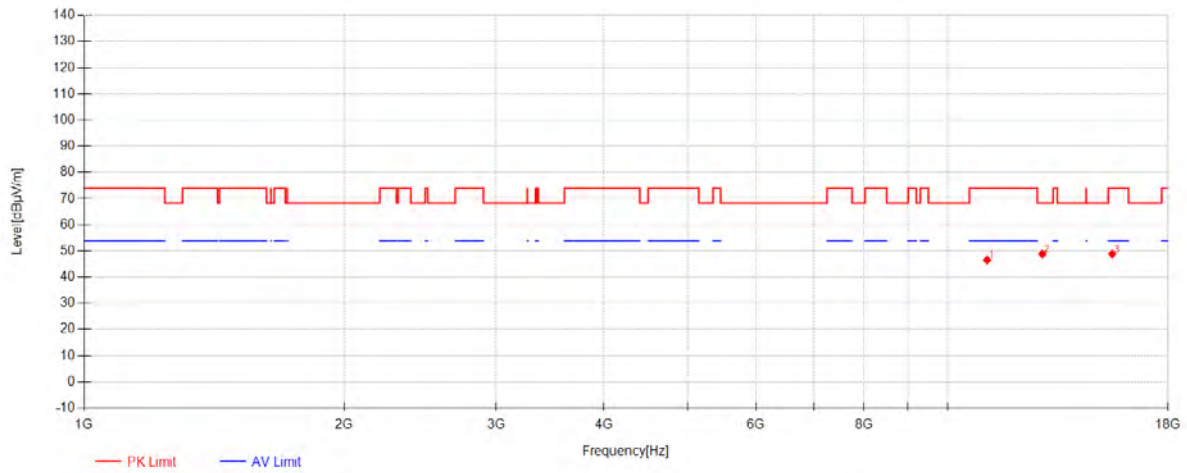
802.11ax40 Channel 110



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11098.75	34.52	38.40	-30.32	42.60	54.00	11.40	Vertical
2	11099.583	43.25	38.40	-30.32	51.33	74.00	22.67	Vertical
3	12447.5	38.11	38.94	-29.39	47.66	74.00	26.34	Vertical
4	16655	48.84	38.66	-26.62	60.87	68.30	7.43	Vertical

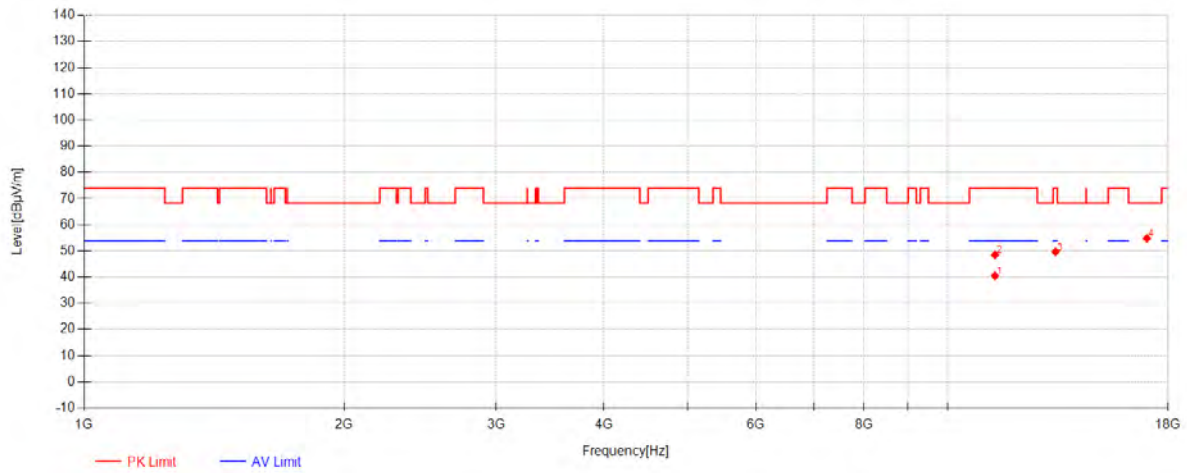


802.11ax40 Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11109.583	38.48	38.40	-30.29	46.59	74.00	27.41	Horizontal
2	12875.416	38.87	39.45	-29.53	48.80	68.30	19.50	Horizontal
3	15509.583	37.35	39.13	-27.65	48.83	74.00	25.17	Horizontal

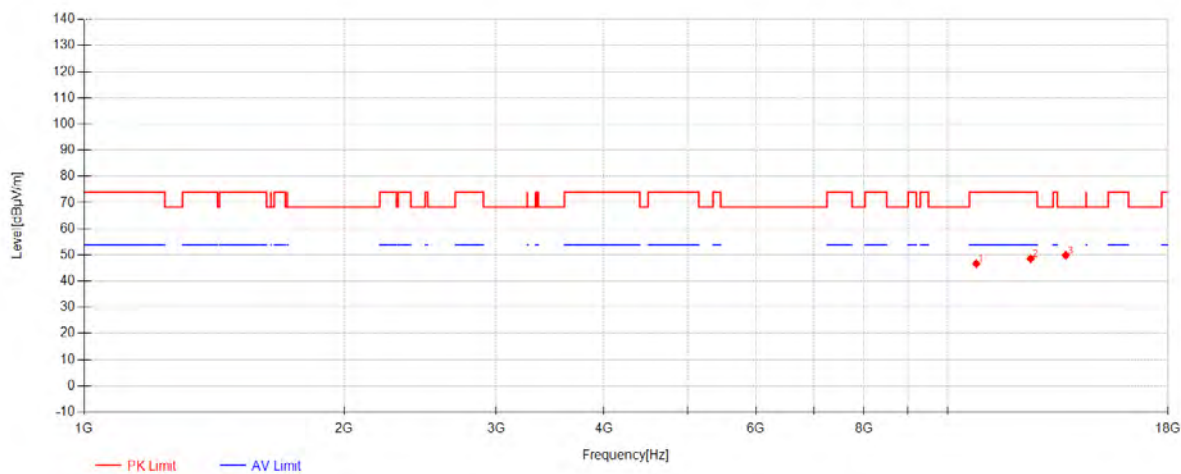
802.11ax40 Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11347.083	32.26	38.40	-30.20	40.46	54.00	13.54	Vertical
2	11347.916	40.30	38.40	-30.19	48.51	74.00	25.49	Vertical
3	13332.916	39.09	39.83	-29.25	49.67	74.00	24.33	Vertical
4	17011.666	41.31	38.93	-25.34	54.90	68.30	13.40	Vertical



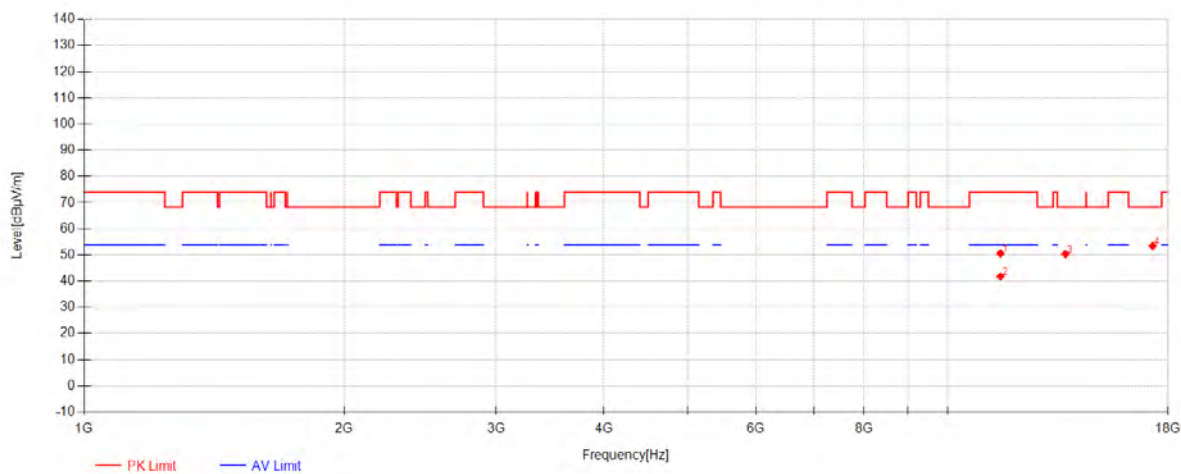
802.11ax40 Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10793.333	38.75	38.30	-30.35	46.70	74.00	27.30	Horizontal
2	12479.583	39.29	38.98	-29.68	48.59	74.00	25.41	Horizontal
3	13702.916	38.97	40.09	-29.21	49.85	68.30	18.45	Horizontal

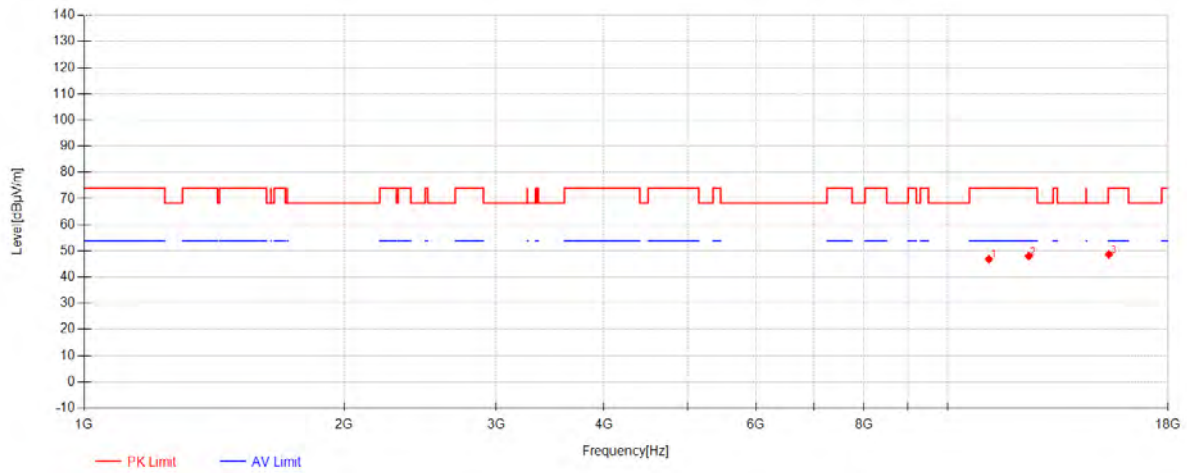


802.11ax40 Channel 151



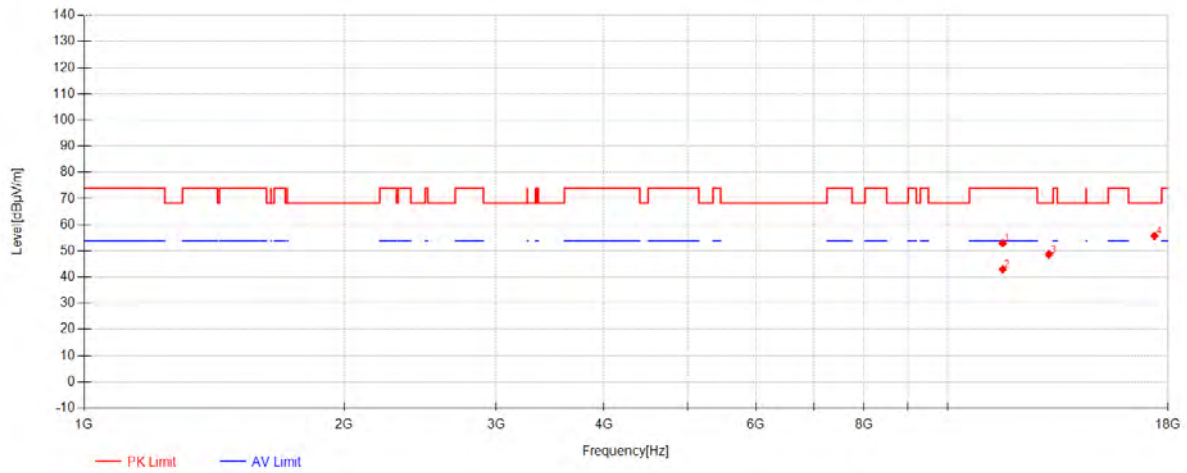
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11513.333	42.13	38.40	-29.94	50.59	74.00	23.41	Vertical
2	11515	33.30	38.40	-29.93	41.77	54.00	12.23	Vertical
3	13690.833	39.28	40.08	-29.07	50.30	68.30	18.00	Vertical
4	17279.166	39.50	39.57	-25.59	53.48	68.30	14.82	Vertical

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	11164.583	38.57	38.40	-30.09	46.88	74.00	27.12	Horizontal
2	12417.083	38.26	38.90	-29.11	48.05	74.00	25.95	Horizontal
3	15372.916	36.80	39.39	-27.53	48.66	74.00	25.34	Horizontal

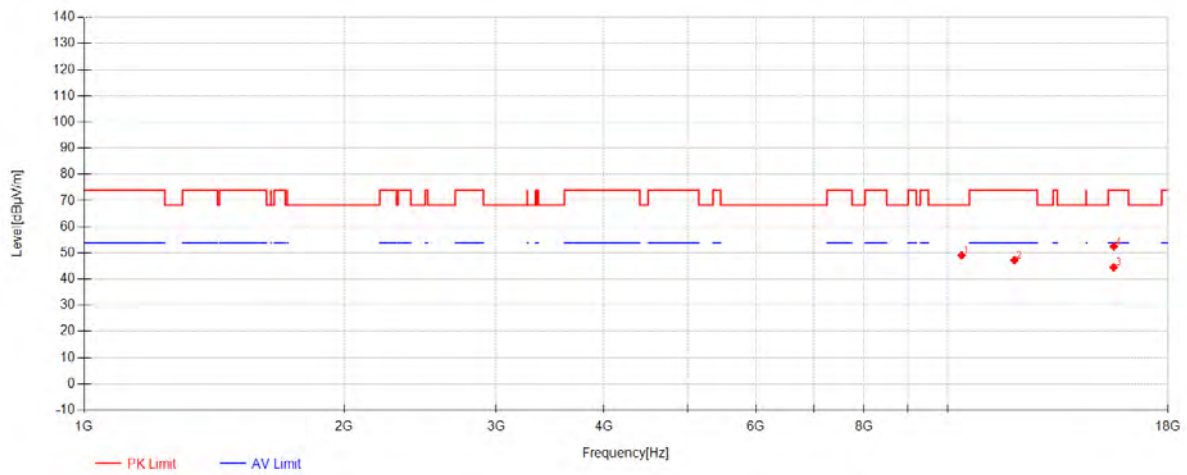
802.11ax40 Channel 159



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11582.5	44.25	38.40	-29.66	52.99	74.00	21.01	Vertical
2	11583.333	34.25	38.40	-29.66	42.99	54.00	11.01	Vertical
3	13100.833	37.92	39.67	-28.89	48.70	68.30	19.60	Vertical
4	17360.833	41.40	39.77	-25.39	55.78	68.30	12.52	Vertical

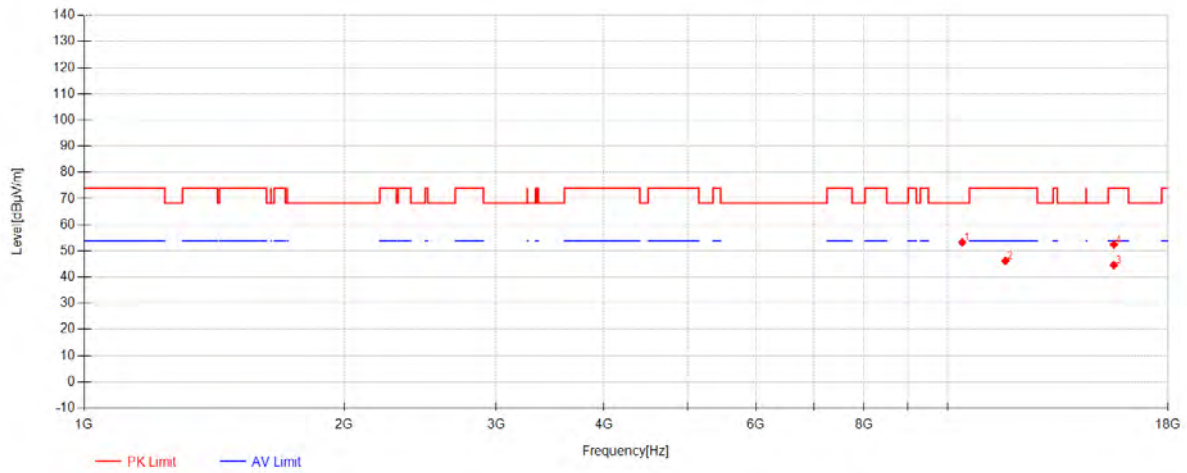


802.11ax40 Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10380.416	42.28	38.09	-31.32	49.05	68.30	19.25	Horizontal
2	11952.083	37.98	38.40	-29.11	47.27	74.00	26.73	Horizontal
3	15572.916	33.10	39.01	-27.51	44.60	54.00	9.40	Horizontal
4	15577.083	41.00	39.00	-27.50	52.50	74.00	21.50	Horizontal

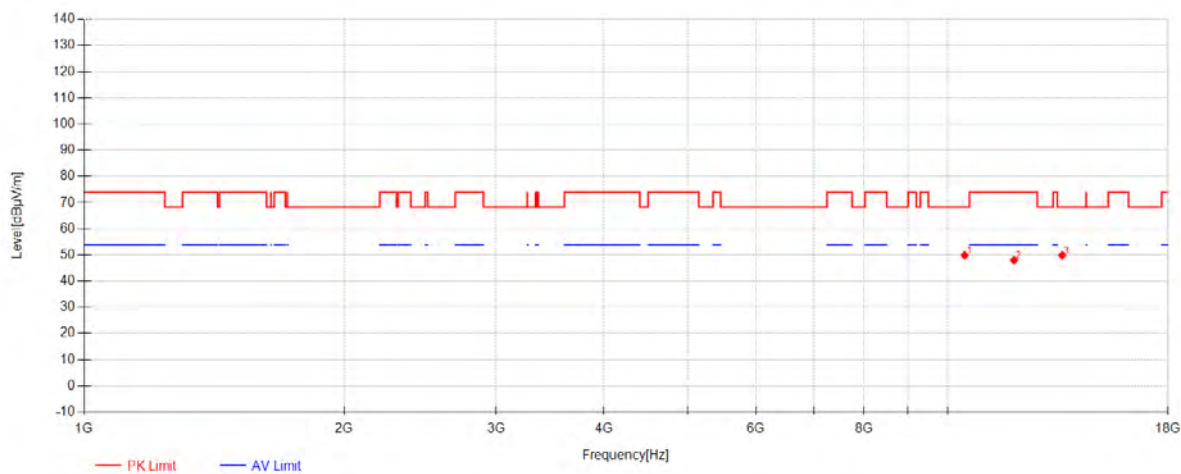
802.11ax40 Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10395	46.44	38.10	-31.20	53.34	68.30	14.96	Vertical
2	11665.416	37.45	38.40	-29.60	46.25	74.00	27.75	Vertical
3	15577.916	33.17	39.00	-27.50	44.67	54.00	9.33	Vertical
4	15579.583	40.96	39.00	-27.49	52.46	74.00	21.54	Vertical



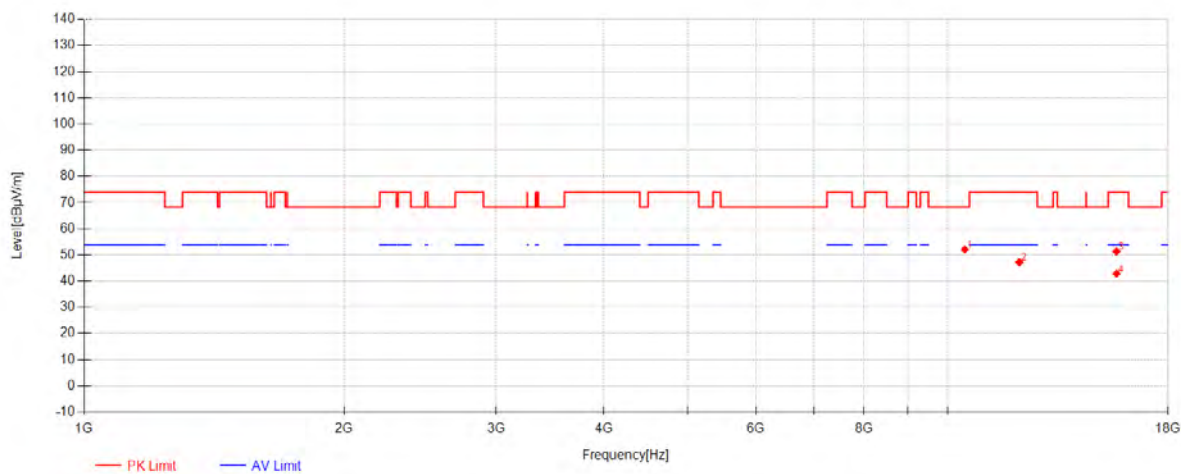
802.11ax40 Channel 46



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10464.583	42.78	38.13	-31.08	49.84	68.30	18.46	Horizontal
2	11937.083	38.62	38.40	-29.05	47.97	74.00	26.03	Horizontal
3	13571.666	38.01	40.00	-28.19	49.82	68.30	18.48	Horizontal

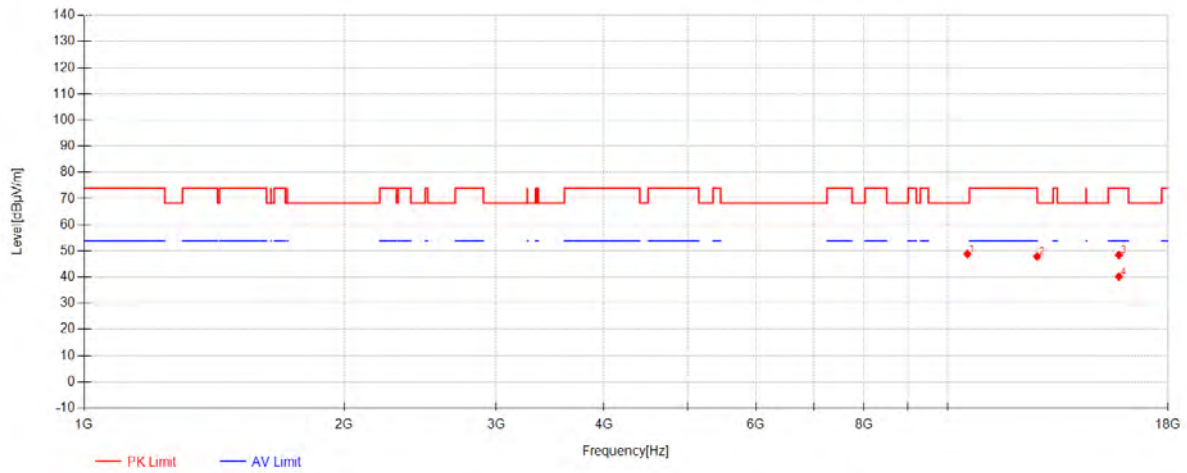


802.11ax40 Channel 46



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10469.583	45.04	38.13	-31.07	52.11	68.30	16.19	Vertical
2	12110	38.20	38.53	-29.50	47.23	74.00	26.77	Vertical
3	15688.75	40.45	38.79	-27.89	51.35	74.00	22.65	Vertical
4	15691.25	31.99	38.79	-27.91	42.87	54.00	11.13	Vertical

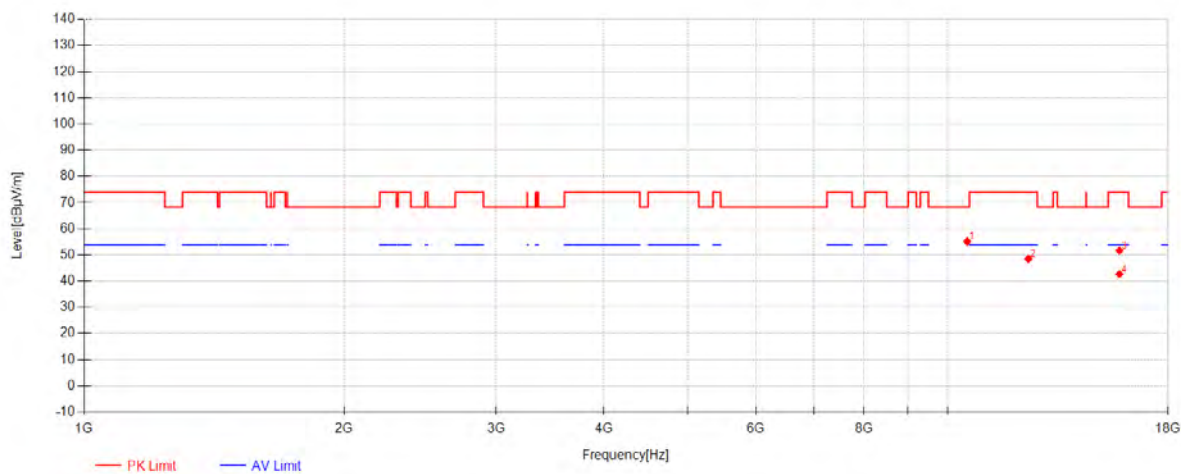
802.11ax40 Channel 54



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10542.083	41.75	38.17	-31.10	48.82	68.30	19.48	Horizontal
2	12696.666	38.19	39.24	-29.55	47.88	74.00	26.12	Horizontal
3	15790	37.02	38.60	-27.14	48.48	74.00	25.52	Horizontal
4	15790.416	28.73	38.60	-27.14	40.19	54.00	13.81	Horizontal

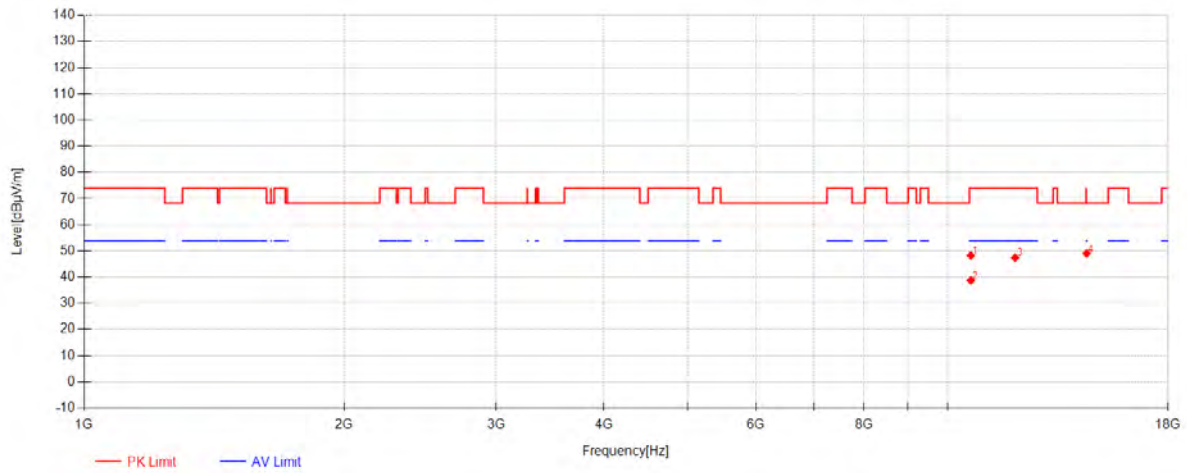


802.11ax40 Channel 54



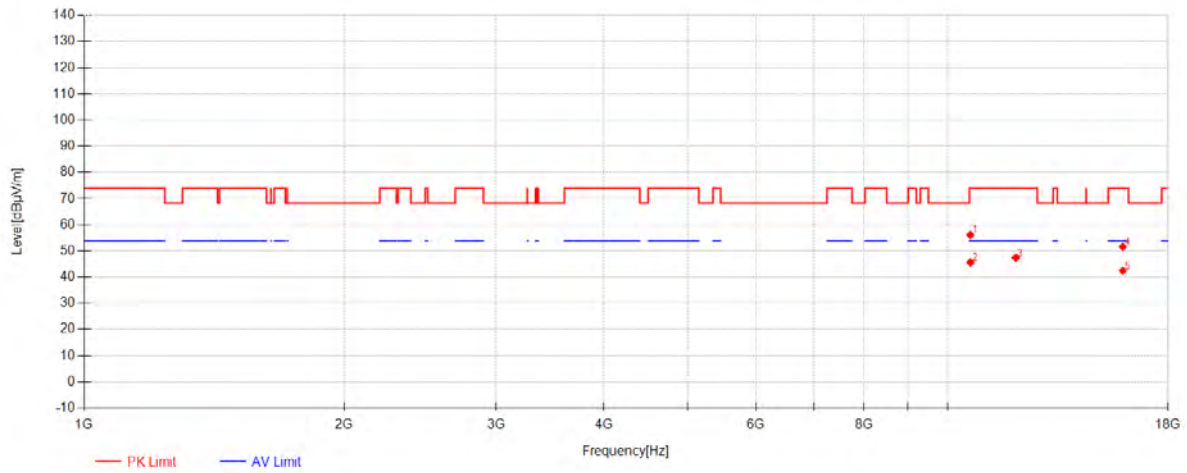
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10534.166	48.11	38.17	-31.09	55.19	68.30	13.11	Vertical
2	12401.666	38.62	38.88	-28.97	48.53	74.00	25.47	Vertical
3	15812.083	40.22	38.56	-27.10	51.68	74.00	22.32	Vertical
4	15812.5	31.28	38.56	-27.10	42.73	54.00	11.27	Vertical

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	10637.916	40.91	38.22	-30.86	48.27	74.00	25.73	Horizontal
2	10639.166	31.36	38.22	-30.85	38.73	54.00	15.27	Horizontal
3	11972.916	38.24	38.40	-29.19	47.45	74.00	26.55	Horizontal
4	14488.75	37.78	40.20	-28.96	49.02	74.00	24.98	Horizontal

802.11ax40 Channel 62



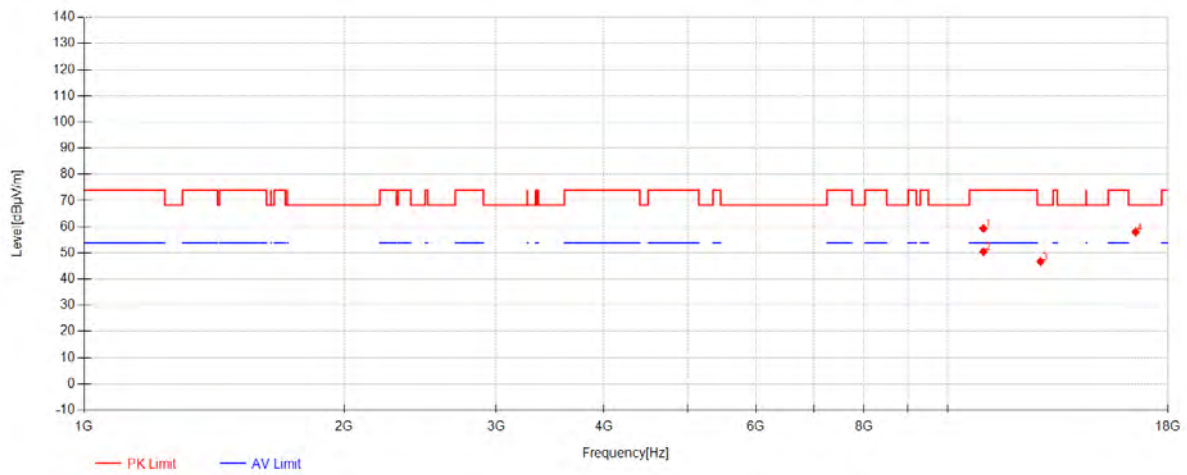
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10626.25	48.89	38.21	-30.96	56.14	74.00	17.86	Vertical
2	10626.666	38.42	38.21	-30.96	45.67	54.00	8.33	Vertical
3	11992.916	38.29	38.40	-29.27	47.42	74.00	26.58	Vertical
4	15956.25	40.78	38.28	-27.45	51.61	74.00	22.39	Vertical
5	15957.083	31.63	38.28	-27.45	42.46	54.00	11.54	Vertical



Report No.: KSCR241200262602

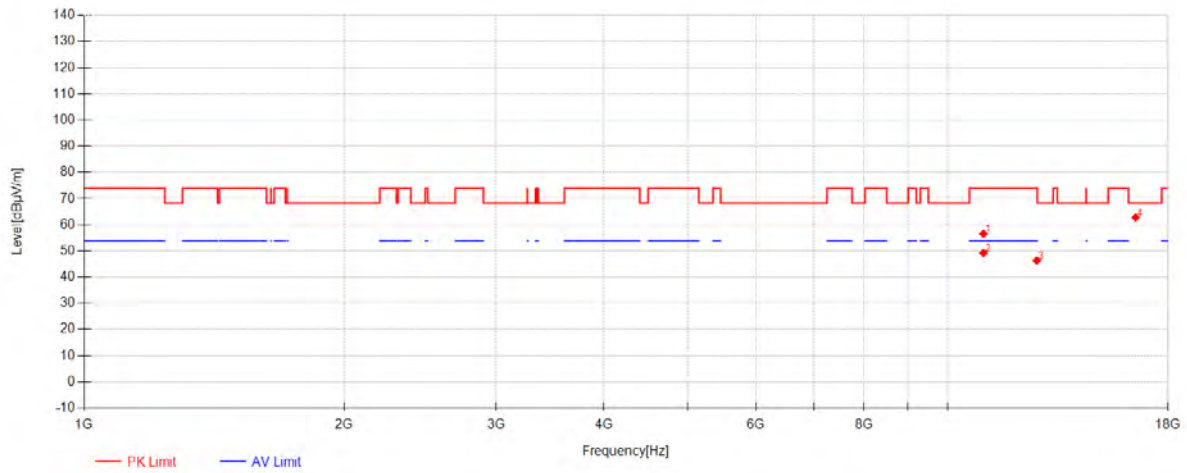
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802.11n20 Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11003.333	51.41	38.40	-30.49	59.32	74.00	14.68	Horizontal
2	11003.75	42.56	38.40	-30.49	50.47	54.00	3.53	Horizontal
3	12811.666	37.23	39.37	-29.85	46.75	68.30	21.55	Horizontal
4	16510	46.03	38.56	-26.59	58.00	68.30	10.30	Horizontal

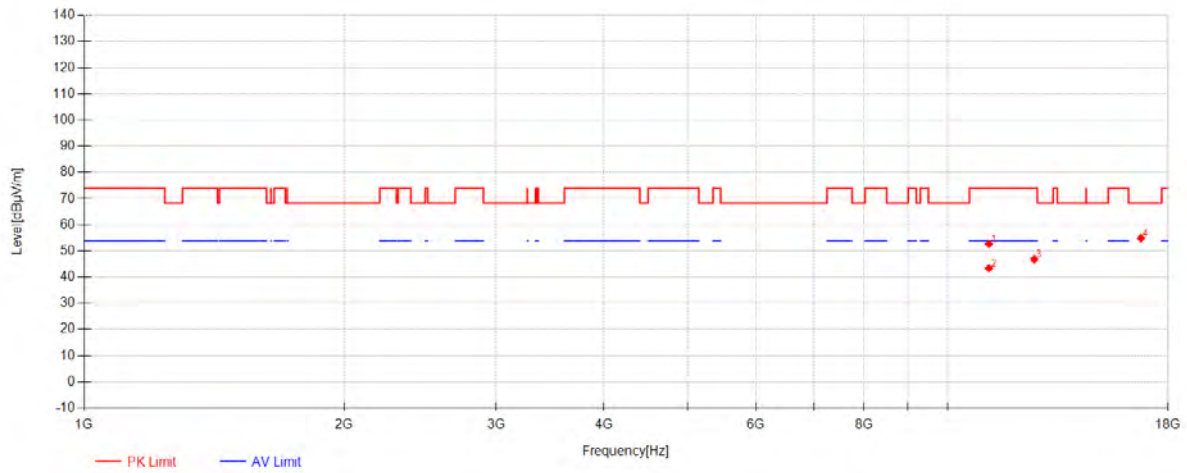
802.11n20 Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11002.916	48.67	38.40	-30.49	56.58	74.00	17.42	Vertical
2	11003.333	41.33	38.40	-30.49	49.24	54.00	4.76	Vertical
3	12685.416	36.72	39.22	-29.59	46.36	74.00	27.64	Vertical
4	16507.083	50.84	38.55	-26.59	62.80	68.30	5.50	Vertical

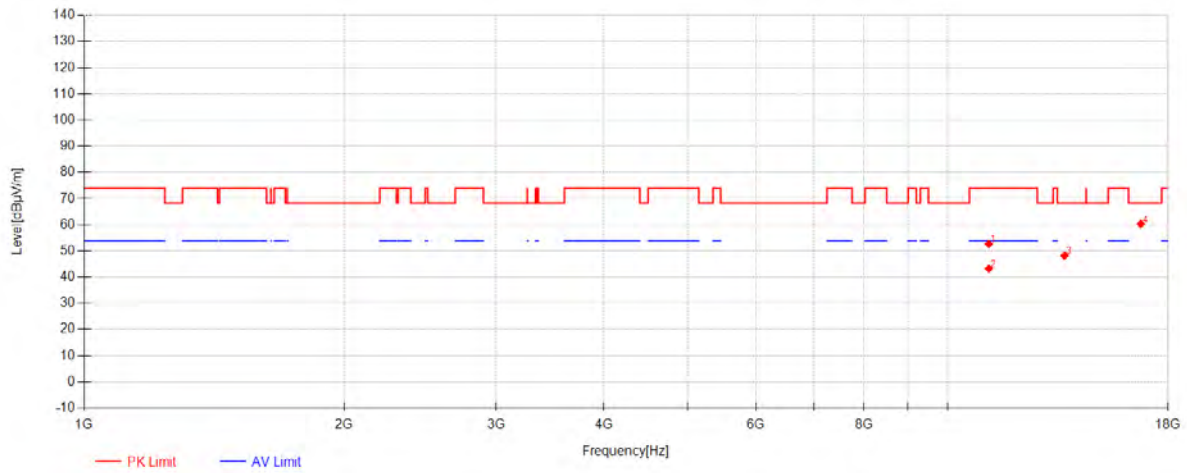


802.11n20 Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11164.166	44.43	38.40	-30.09	52.74	74.00	21.26	Horizontal
2	11165.833	35.09	38.40	-30.08	43.41	54.00	10.59	Horizontal
3	12601.25	37.55	39.12	-29.85	46.83	74.00	27.17	Horizontal
4	16747.5	42.70	38.72	-26.47	54.95	68.30	13.35	Horizontal

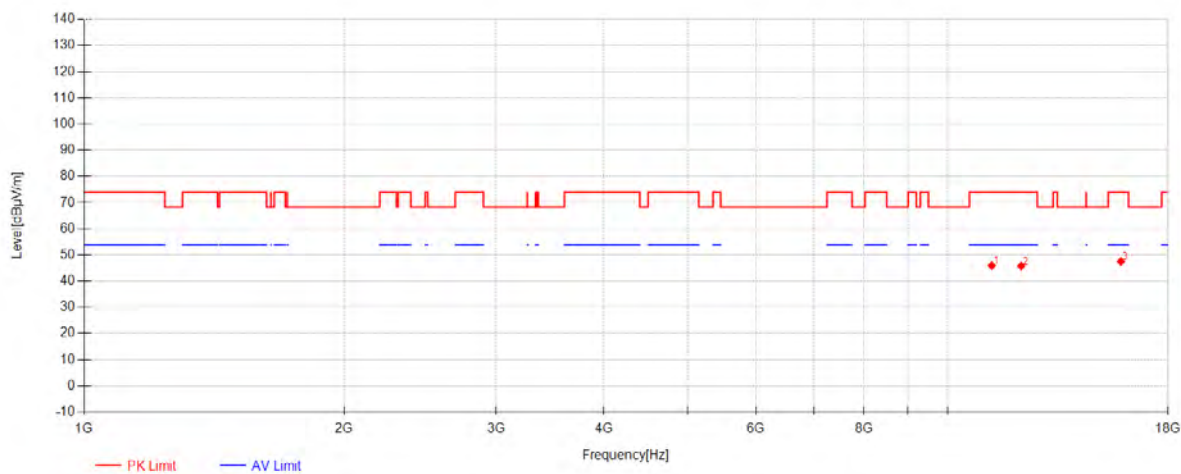
802.11n20 Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11161.25	44.40	38.40	-30.10	52.70	74.00	21.30	Vertical
2	11162.083	34.96	38.40	-30.10	43.26	54.00	10.74	Vertical
3	13659.583	36.70	40.06	-28.58	48.18	68.30	20.12	Vertical
4	16741.25	48.05	38.72	-26.51	60.26	68.30	8.04	Vertical

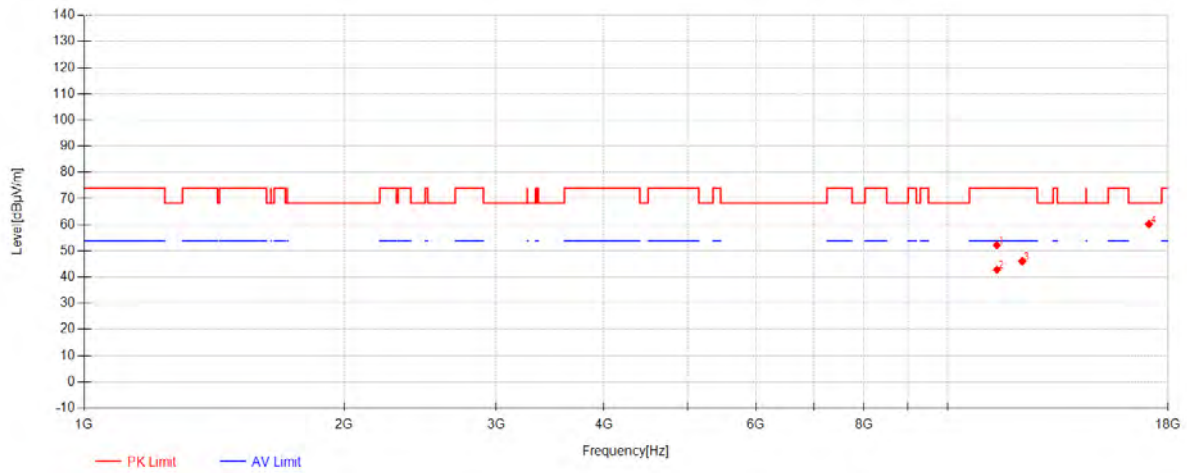


802.11n20 Channel 140



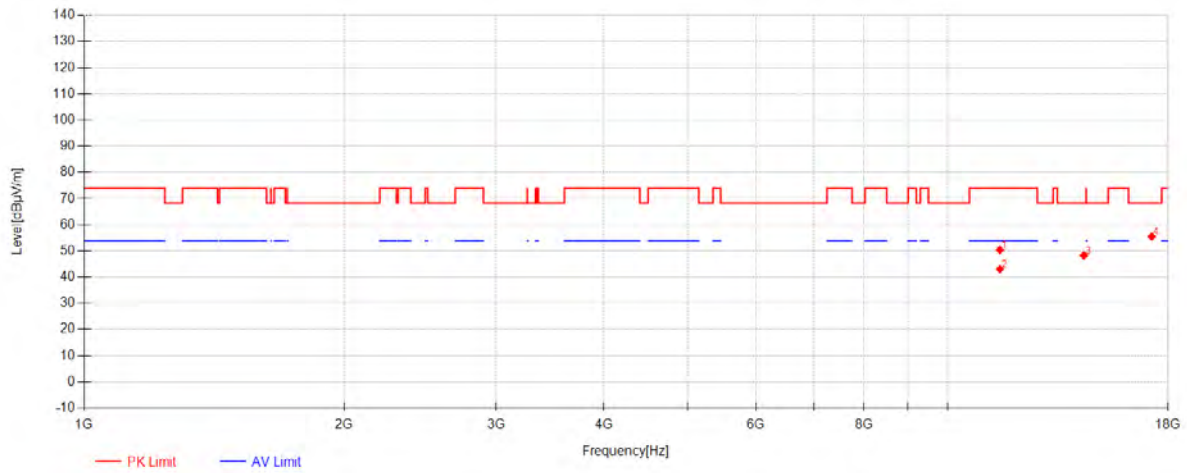
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11249.583	37.80	38.40	-30.23	45.97	74.00	28.03	Horizontal
2	12165.833	36.68	38.60	-29.49	45.79	74.00	28.21	Horizontal
3	15870.833	36.46	38.45	-27.35	47.55	74.00	26.45	Horizontal

802.11n20 Channel 140



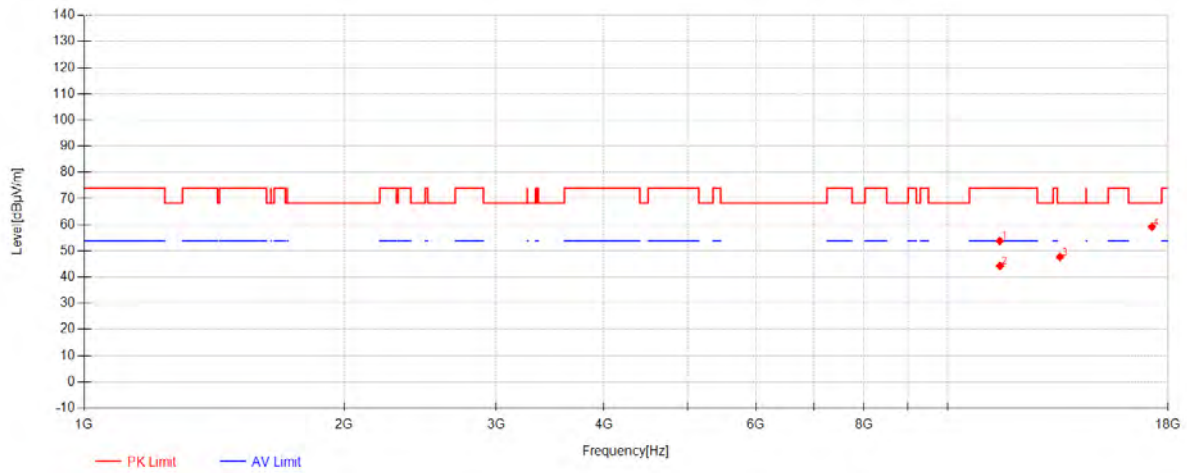
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11403.333	43.68	38.40	-29.86	52.22	74.00	21.78	Vertical
2	11404.166	34.31	38.40	-29.87	42.84	54.00	11.16	Vertical
3	12203.75	36.95	38.64	-29.50	46.09	74.00	27.91	Vertical
4	17108.75	46.92	39.16	-25.89	60.19	68.30	8.11	Vertical

802.11n20 Channel 149



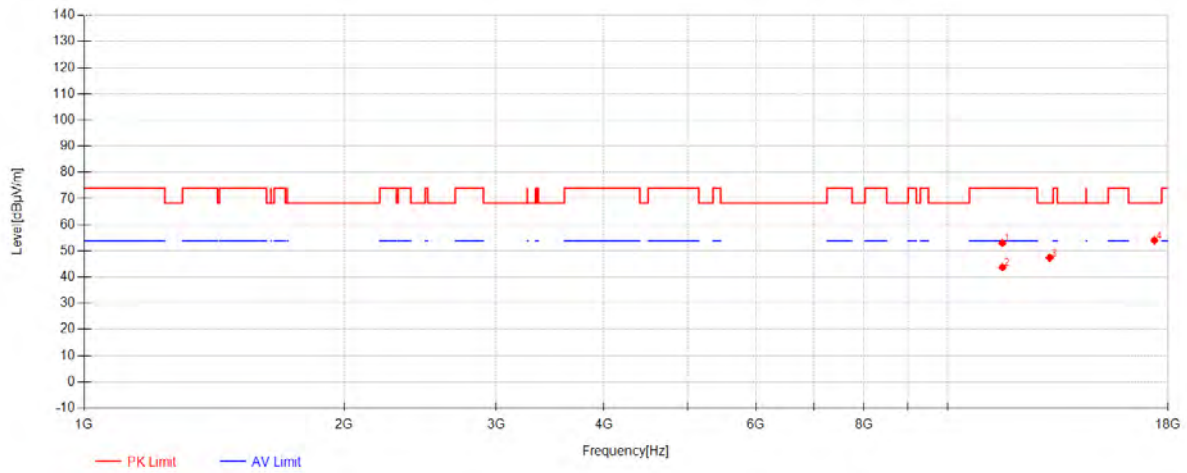
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11495.416	41.99	38.40	-29.98	50.41	74.00	23.59	Horizontal
2	11496.25	34.64	38.40	-29.99	43.05	54.00	10.95	Horizontal
3	14378.75	36.67	40.22	-28.61	48.29	68.30	20.01	Horizontal
4	17235	41.24	39.46	-25.16	55.55	68.30	12.75	Horizontal

802.11n20 Channel 149



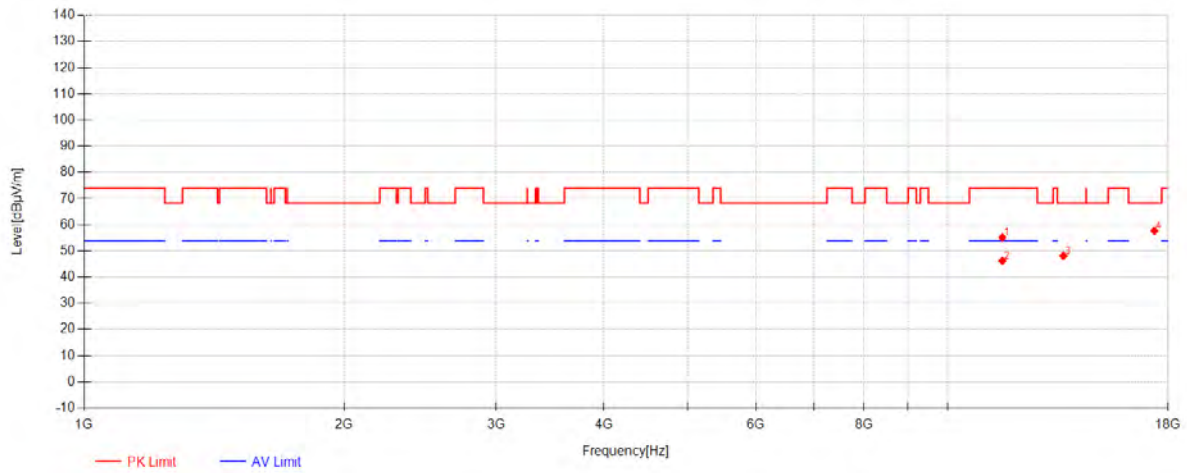
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11493.75	45.47	38.40	-29.98	53.89	74.00	20.11	Vertical
2	11498.75	35.94	38.40	-29.99	44.35	54.00	9.65	Vertical
3	13495	37.29	39.95	-29.51	47.73	68.30	20.57	Vertical
4	17242.5	44.93	39.48	-25.23	59.18	68.30	9.12	Vertical

802.11n20 Channel 157



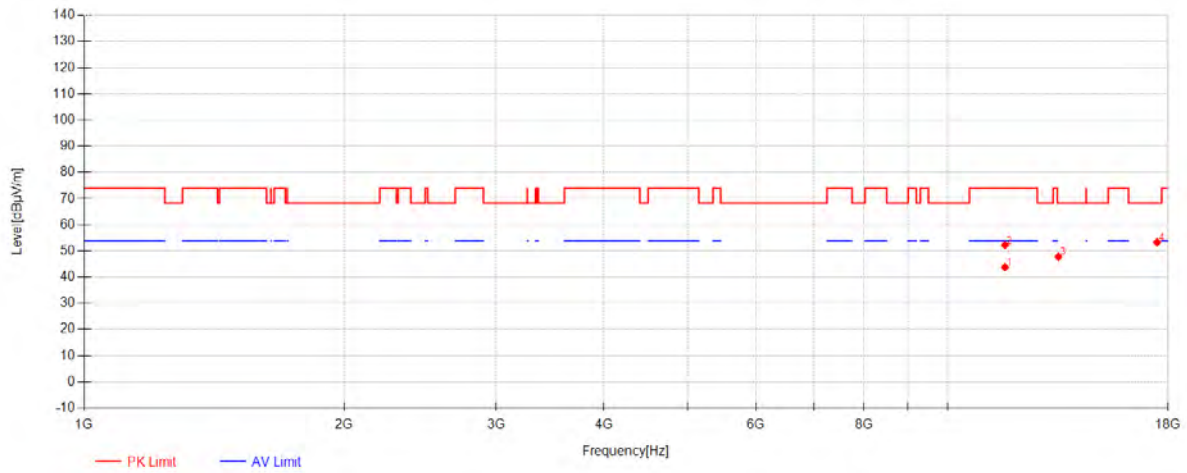
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11571.666	44.35	38.40	-29.70	53.05	74.00	20.95	Horizontal
2	11572.5	35.09	38.40	-29.70	43.79	54.00	10.21	Horizontal
3	13129.166	36.73	39.69	-28.99	47.43	68.30	20.87	Horizontal
4	17359.583	39.74	39.76	-25.39	54.11	68.30	14.19	Horizontal

802.11n20 Channel 157



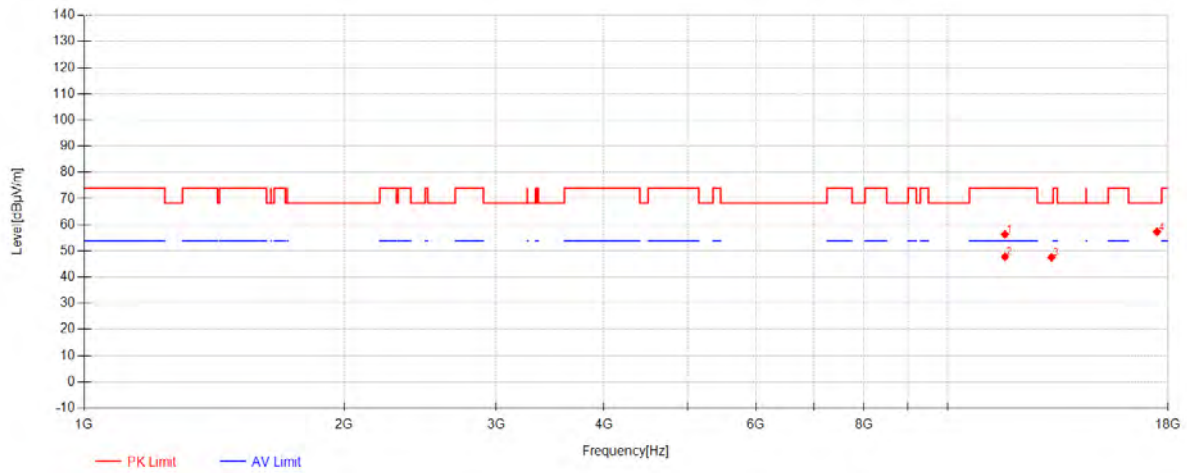
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11571.666	46.51	38.40	-29.70	55.21	74.00	18.79	Vertical
2	11572.083	37.54	38.40	-29.70	46.24	54.00	7.76	Vertical
3	13616.666	35.99	40.03	-27.91	48.11	68.30	20.19	Vertical
4	17357.083	43.37	39.76	-25.41	57.72	68.30	10.58	Vertical

802.11n20 Channel 165



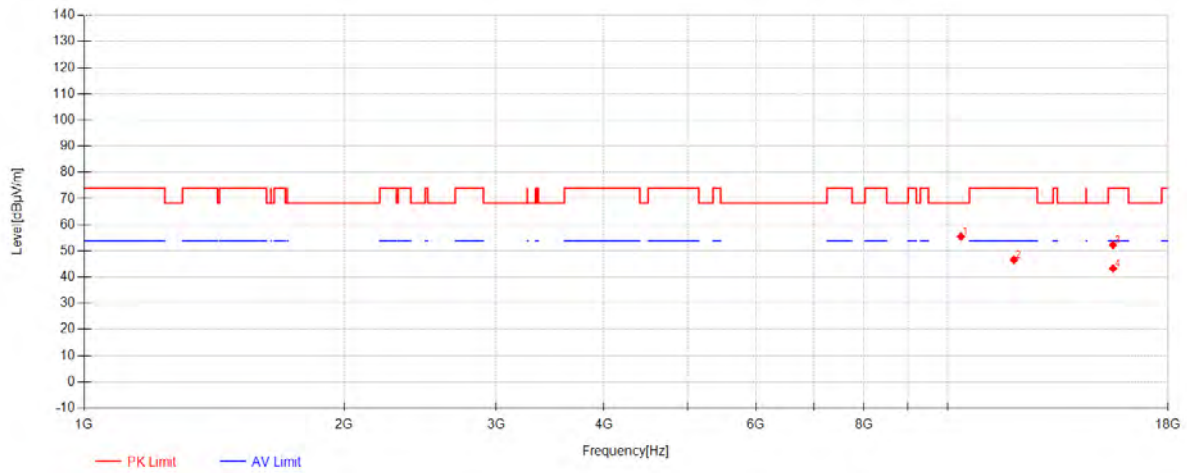
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11652.916	35.02	38.40	-29.60	43.82	54.00	10.18	Horizontal
2	11653.333	43.44	38.40	-29.60	52.24	74.00	21.76	Horizontal
3	13438.333	37.04	39.91	-29.15	47.80	68.30	20.50	Horizontal
4	17480.833	37.42	40.05	-24.09	53.39	68.30	14.91	Horizontal

802.11n20 Channel 165



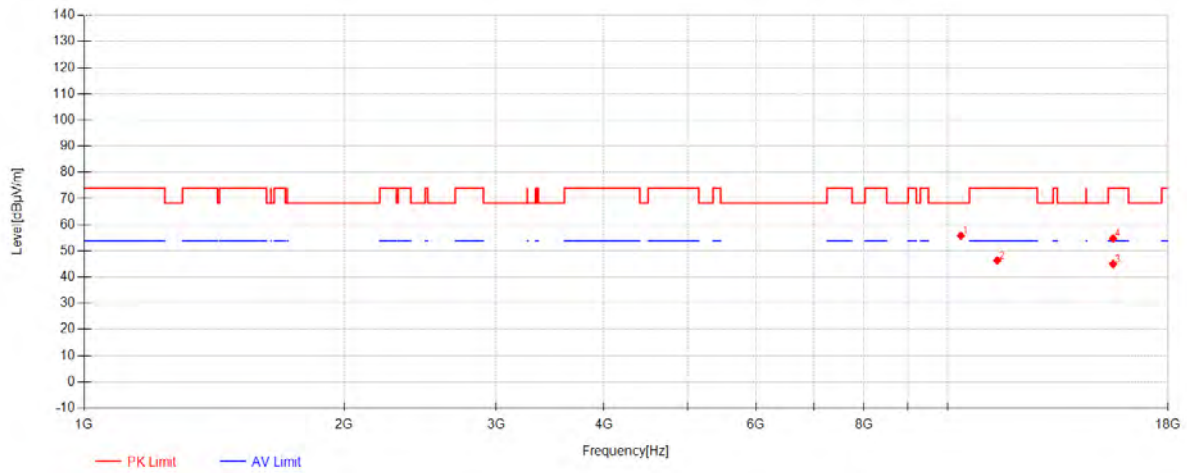
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11652.916	47.55	38.40	-29.60	56.35	74.00	17.65	Vertical
2	11653.75	38.99	38.40	-29.60	47.79	54.00	6.21	Vertical
3	13191.25	37.05	39.73	-29.19	47.59	68.30	20.71	Vertical
4	17476.666	41.41	40.04	-24.14	57.32	68.30	10.98	Vertical

802.11n20 Channel 36



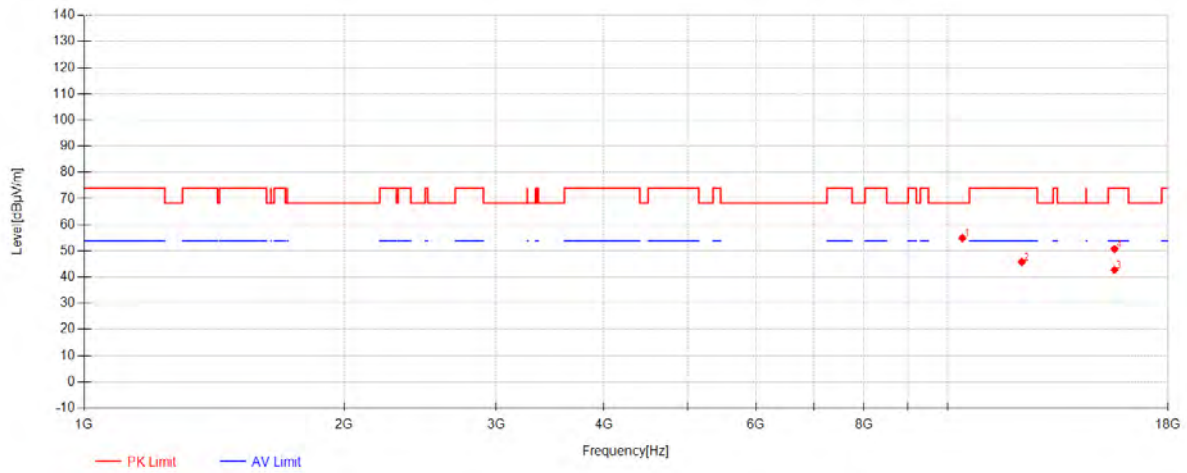
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10362.5	48.87	38.08	-31.46	55.49	68.30	12.81	Horizontal
2	11934.166	37.31	38.40	-29.04	46.67	74.00	27.33	Horizontal
3	15543.333	40.78	39.07	-27.57	52.27	74.00	21.73	Horizontal
4	15548.333	31.83	39.06	-27.56	43.32	54.00	10.68	Horizontal

802.11n20 Channel 36



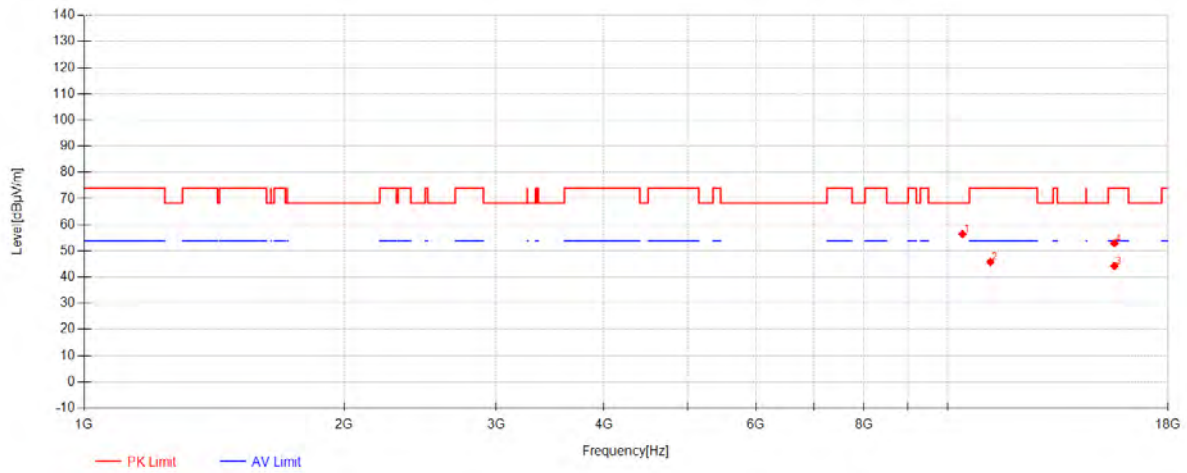
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10360.833	49.25	38.08	-31.48	55.85	68.30	12.45	Vertical
2	11415	37.90	38.40	-29.88	46.42	74.00	27.58	Vertical
3	15545.416	33.56	39.06	-27.57	45.05	54.00	8.95	Vertical
4	15547.083	43.34	39.06	-27.57	54.83	74.00	19.17	Vertical

802.11n20 Channel 40



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10400.833	48.05	38.10	-31.16	54.99	68.30	13.31	Horizontal
2	12186.666	36.68	38.62	-29.48	45.82	74.00	28.18	Horizontal
3	15602.5	31.28	38.96	-27.46	42.77	54.00	11.23	Horizontal
4	15605.416	39.27	38.95	-27.48	50.74	74.00	23.26	Horizontal

802.11n20 Channel 40



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10404.166	49.50	38.10	-31.15	56.45	68.30	11.85	Vertical
2	11209.166	37.45	38.40	-30.01	45.84	74.00	28.16	Vertical
3	15602.916	32.84	38.95	-27.46	44.33	54.00	9.67	Vertical
4	15603.333	41.48	38.95	-27.47	52.97	74.00	21.03	Vertical