TEST REPORT

Application No.:	KSCR2402000309AT
FCC ID:	XMR202401AF68E
Applicant:	Quectel Wireless Solutions Co., Ltd.
Address of Applicant:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Manufacturer:	Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Equipment Under Test (EUT):	
EUT Name:	Wi-Fi & Bluetooth Module
Model No.:	AF68E
Trade Mark:	Quectel
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2024-02-29
Date of Test:	2024-03-23 to 2024-05-06
Date of Issue:	2024-05-07
Test Result:	**Pass***

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

Revision Record			
Version	**Description**	***Date***	***Remark***
00	Original	2024-05-07	/

Authorized for issue by:				
Tested By				
		Maker_Qi/Project Engineer		
Approved By				
		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)	Customer Declaration	N/A

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
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass	A
99% Bandwidth		KDB 789033 II D	N/A	Pass	A
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass	A
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass	A
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	A&B
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass	B
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass	A
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass	A

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.3-4.8V,Typ：3.85V
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)
Operation Frequency/Number of channels (80MHz):	U-NII-1: 5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channel); U-NII-2C: 5530-5610MHz (2 Channel); U-NII-3: 5775MHz (1 Channel)
Operation Frequency/Number of channels (160MHz):	U-NII-2A: 5250MHz (1 Channel); U-NII-2C: 5570MHz (1 Channel)
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, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n/ac/ax 40: 40MHz; 802.11ac/ax 80: 80MHz; 802.11ac/ax 160: 160MHz
DFS Function:	Slave without Radar detection
TPC Function:	Support TPC function
Antenna Type:	External antenna
Antenna Gain:	5150MHz~5250MHz: ANT5(WIFI0): 4.4dBi (Provided by the manufacturer) ANT6(WIFI1): 3.2dBi (Provided by the manufacturer) 5250MHz~5350MHz: ANT5(WIFI0): 4.4dBi (Provided by the manufacturer) ANT6(WIFI1): 3.5dBi (Provided by the manufacturer) 5470MHz~5725MHz: ANT5(WIFI0): 5.3dBi (Provided by the manufacturer) ANT6(WIFI1): 4.5dBi (Provided by the manufacturer) 5725MHz~5850MHz: ANT5(WIFI0): 4.7dBi (Provided by the manufacturer) ANT6(WIFI1): 3.5dBi (Provided by the manufacturer) Directional Gain: 5150MHz~5250MHz:3.84dBi (The transmitted signal is Uncorrelated) 5250MHz~5350MHz:3.97dBi (The transmitted signal is Uncorrelated) 5470MHz~5725MHz:4.92dBi (The transmitted signal is Uncorrelated) 5725MHz~5850MHz:4.14dBi (The transmitted signal is Uncorrelated)

4.2 Description of Support Units

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

4.3 Power level setting using in test

Channel	802.11a		802.11n(HT20)		802.11ac(VHT20)		802.11ax(HEW20)	
	Ant 1	Ant 2	Ant 2	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
36	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
48	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
52	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
60	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
64	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
100	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
116	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
140	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
144	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
149	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
157	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
165	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5

Channel	802.11n(HT40)		802.11ac(VHT40)		802.11ax(HEW40)	
	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
38	17	17	17	17	17	17
46	17	17	17	17	17	17
54	17	17	17	17	17	17
62	17	17	17	17	17	17
102	17	17	17	17	17	17
110	17	17	17	17	17	17
134	17	17	17	17	17	17
142	17	17	17	17	17	17
151	17	17	17	17	17	17
159	17	17	17	17	17	17

Channel	802.11ac(VHT80)		802.11ax(HEW80)	
	Ant 1	Ant 2	Ant 1	Ant 2
42	16.5	16.5	16.5	16.5
58	16.5	16.5	16.5	16.5
106	16.5	16.5	16.5	16.5
122	16.5	16.5	16.5	16.5
138	16.5	16.5	16.5	16.5
155	16.5	16.5	16.5	16.5
Channel	802.11ac(VHT160)		802.11ax(HEW160)	
	Ant 1	Ant 2	Ant 1	Ant 2
50	16	16	16	16
114	16	16	16	16

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%
Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.		

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.

No.2,Tongsheng Road,Wuzhong District,Suzhou,Jiangsu,China

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

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	08/24/2023	08/23/2024
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/24/2023	08/23/2024
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/15/2024	01/14/2025
4	Signal Generator	R&S	SMBV100B	KSEM032	03/19/2024	03/18/2025
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/24/2023	08/23/2024
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/24/2023	08/23/2024
7	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/24/2023	08/23/2024
8	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	03/19/2024	03/18/2025
9	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/24/2023	08/23/2024
10	Switcher	TST	FY562	KUS2001M001-4	01/15/2024	01/14/2025
11	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
13	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/15/2024	01/14/2025
14	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	08/24/2023	08/23/2024
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	03/19/2024	03/18/2025
16	Software	BST	TST-PASS	/	NCR	NCR
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/24/2023	08/23/2024
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	03/19/2024	03/18/2025
3	Signal Generator	Agilent	E8257C	KS301066	08/24/2023	08/23/2024
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	03/18/2023	03/17/2025
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2023	06/28/2025
6	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E006	03/19/2024	03/18/2025
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	08/24/2023	08/23/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	04/07/2023	04/06/2025
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	01/07/2024	01/06/2026
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/15/2024	01/14/2025
11	Amplifier(18~40GHz)	PANSHAN TECHNOLOGY	LNA180400G40	KSEM038	08/24/2023	08/23/2024
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	08/24/2023	08/23/2024
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	03/19/2024	03/18/2025
14	Software	Faratronic	EZ_EMC-v 3A1	/	NCR	NCR
15	Software	ESE	E3_V 6.111221a	/	NCR	NCR

Lab B:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	Shielding Room	Brilliant-emc	N/A	SUWI-04-03-01	5/8/2021	5/7/2024
2	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2/1/2024	1/31/2025
3	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/8/2024	2/7/2025
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
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-02	11/25/2021	11/24/2024
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	5/11/2023	5/10/2024
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	5/11/2024
9	Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/13/2023	5/12/2024
10	Amplifier	Tonscend	TAP9K3G32	SUWI-01-14-06	11/21/2023	11/20/2024
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-04	11/21/2023	11/20/2024
12	Amplifier	Tonscend	TAP30M7G30	SUWI-01-14-05	11/21/2023	11/20/2024
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 External Antenna on the main PCB and no consideration of replacement. The best case gain of the U-NII-1: ANT5(WIFI0) 4.4dBi, ANT6(WIFI1) 3.2dBi; U-NII-2A: ANT5(WIFI0) 4.4dBi, ANT6(WIFI1) 3.5dBi, U-NII-2C: ANT5(WIFI0) 5.3dBi, ANT6(WIFI1) 4.5dBi, U-NII-3: ANT5(WIFI0) 4.7dBi, ANT6(WIFI1) 3.5dBi.

Antenna location: Refer to internal photo.

Directional Gain Calculations for MIMO:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

Basic methodology with NANT transmit antennas, each with the same directional gain GANT dBi, being driven by NANT transmitter outputs of equal power. Directional gain is to be computed as follows:

- If any transmit signals are correlated with each other,
  Directional gain = GANT + 10 log(NANT) dBi
- If all transmit signals are completely uncorrelated with each other,
  Directional gain = GANT

Unequal antenna gains, with equal transmit powers. For antenna gains given by G1, G2, ···, GN dBi

- If transmit signals are correlated, then
  Directional gain = 10 log[(10G1 /20 + 10G2 /20 + ··· + 10GN /20)2 /NANT] dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

- If all transmit signals are completely uncorrelated, then
  Directional gain = 10 log[(10G1 /10 + 10G2 /10 + ··· + 10GN /10)/NANT] dBi

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain.

All antennas have the same gain:

Operation Frequency	ANT5(WIFI0) (dBi)	ANT6(WIFI1) (dBi)	Directional gain For Power(dBi)	Directional gain For PSD(dBi)
5150 MHz to 5250 MHz	4.4	3.2	3.84	3.84
5250 MHz to 5350 MHz	4.4	3.5	3.97	3.97
5470 MHz to 5600MHz &5650MHz to 5725MHz	5.3	4.5	4.92	4.92
5725 MHz to 5850 MHz	4.7	3.5	4.14	4.14

5150 MHz to 5250 MHz:
Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
5250 MHz to 5350 MHz:
Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
5470 MHz to 5600MHz &5650MHz to 5725MHz:
Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
5725 MHz to 5850 MHz:
Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0
PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Conclusion

Standard Requirement:

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

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

EUT Details:

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

7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)
Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

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

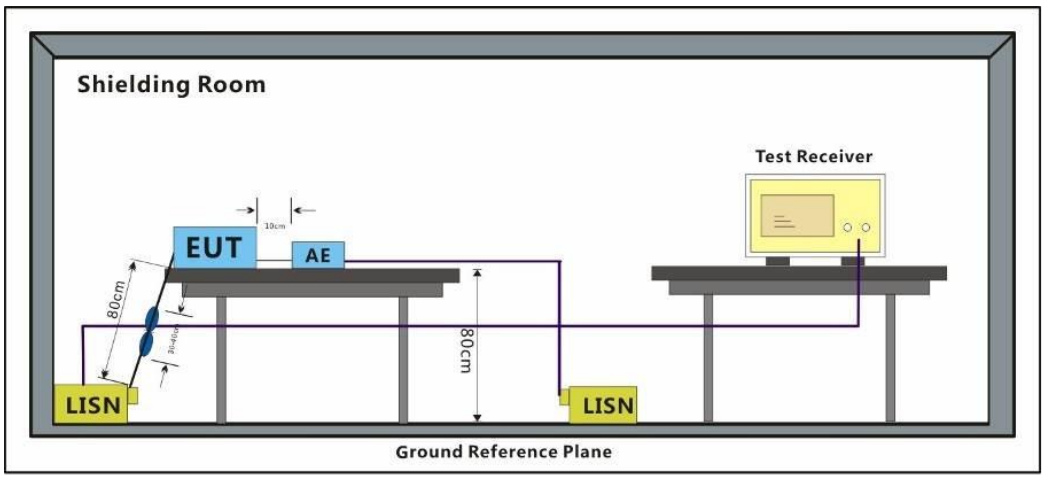
7.1.1 E.U.T. Operation

Operating Environment:
Temperature: 22.5 °C Humidity: 46 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-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 20/40/80/160, 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 20/40/80, Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

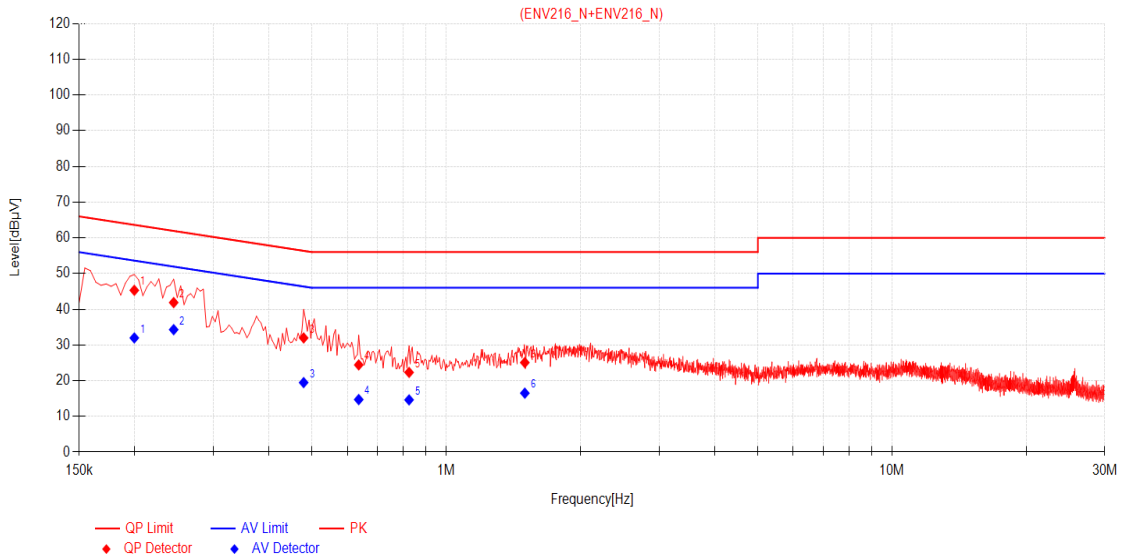
2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

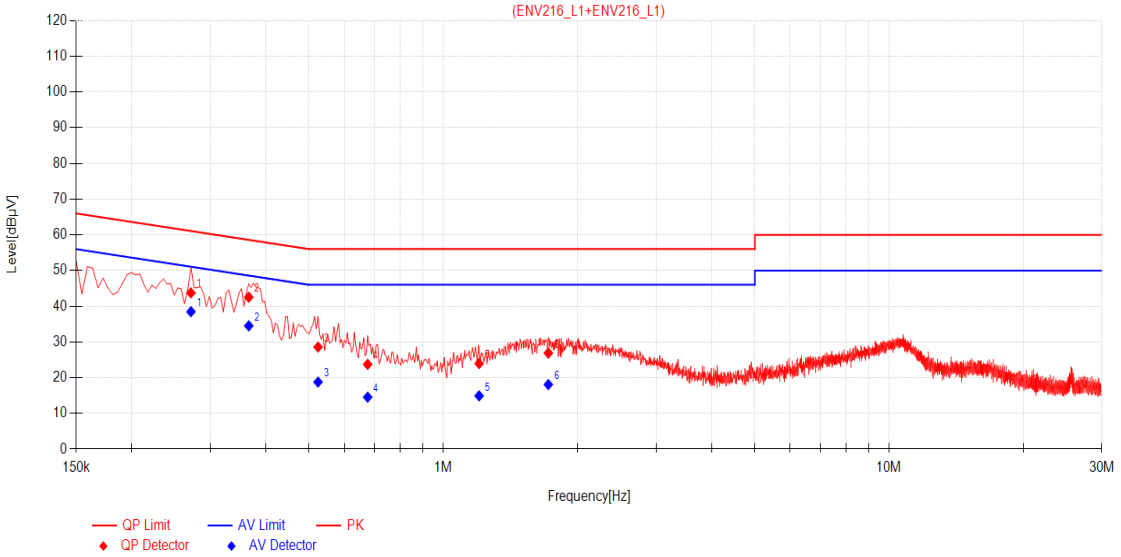
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBuV]	QP Value	QP Limit	QP Margin	AV Reading [dBuV]	AV Value	AV Limit	AV Margin	Verdict
1	0.1995	11.83	33.48	45.31	63.63	18.32	20.14	31.97	53.63	21.66	PASS
2	0.2445	11.71	30.17	41.88	61.94	20.06	22.59	34.30	51.94	17.64	PASS
3	0.4785	11.51	20.46	31.97	56.37	24.40	7.96	19.47	46.37	26.90	PASS
4	0.6360	11.48	12.94	24.42	56.00	31.58	3.23	14.71	46.00	31.29	PASS
5	0.8250	11.48	10.84	22.32	56.00	33.68	3.15	14.63	46.00	31.37	PASS
6	1.5000	11.51	13.56	25.07	56.00	30.93	5.00	16.51	46.00	29.49	PASS



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBuV]	QP Value	QP Limit	QP Margin	AV Reading [dBuV]	AV Value	AV Limit	AV Margin	Verdict
1	0.2715	11.73	32.02	43.75	61.07	17.32	26.74	38.47	51.07	12.60	PASS
2	0.3660	11.62	30.91	42.53	58.59	16.06	22.89	34.51	48.59	14.08	PASS
3	0.5235	11.56	17.03	28.59	56.00	27.41	7.21	18.77	46.00	27.23	PASS
4	0.6765	11.60	12.13	23.73	56.00	32.27	2.95	14.55	46.00	31.45	PASS
5	1.2030	11.54	12.41	23.95	56.00	32.05	3.38	14.92	46.00	31.08	PASS
6	1.7205	11.59	15.29	26.88	56.00	29.12	6.48	18.07	46.00	27.93	PASS

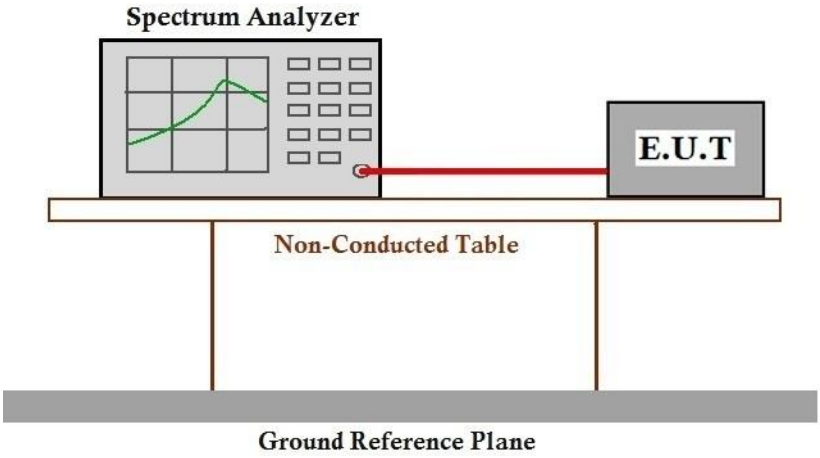
7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1
Test Method: KDB 789033 II B 1

7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 48 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Setup Diagram



7.2.3 Measurement Procedure and Data

Please Refer to Appendix for Details

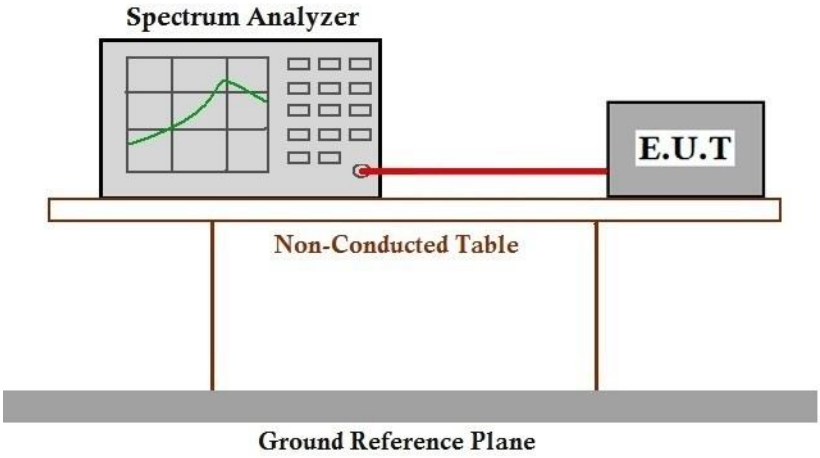
7.3 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 II D

7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 48 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Setup Diagram



7.3.3 Measurement Procedure and Data

Please Refer to Appendix for Details

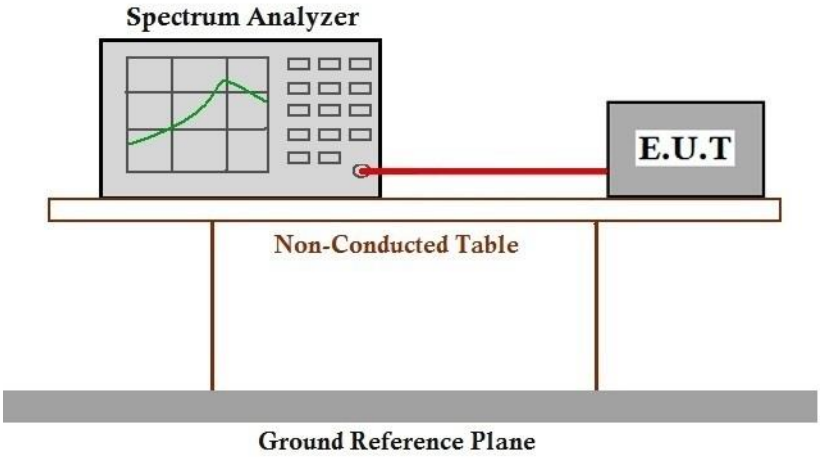
7.4 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II C 1

7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 48 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Setup Diagram



7.4.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.5 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)
Test Method: KDB 789033 D02 II C 2

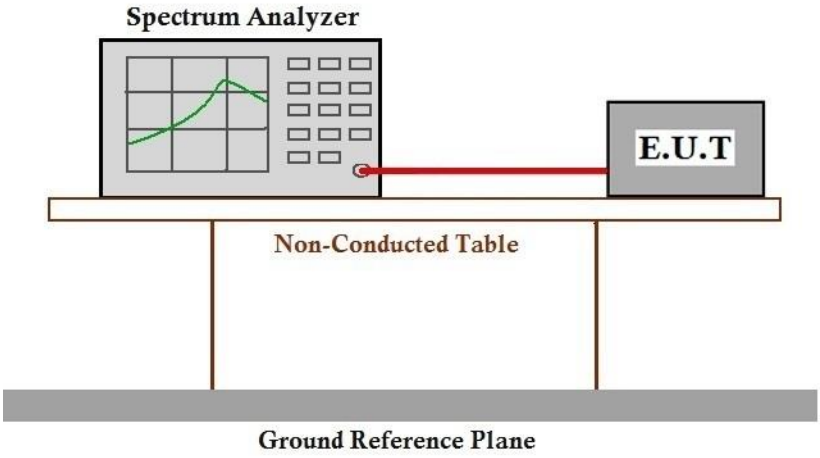
Limit:

Frequency band(MHz)	Limit
5725-5850	⩾500 kHz

7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 48 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Setup Diagram



7.5.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II E

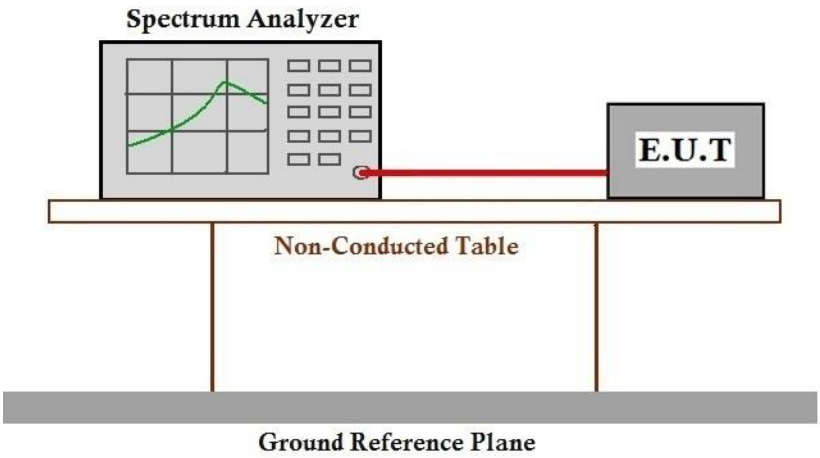
Limit:

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

7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 48 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Setup Diagram



7.6.3 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

7.7 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II F

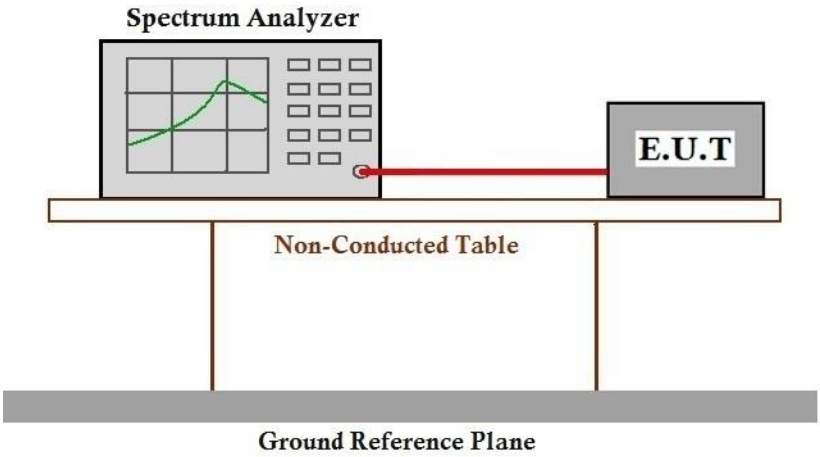
Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 48 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Setup Diagram



7.7.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 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

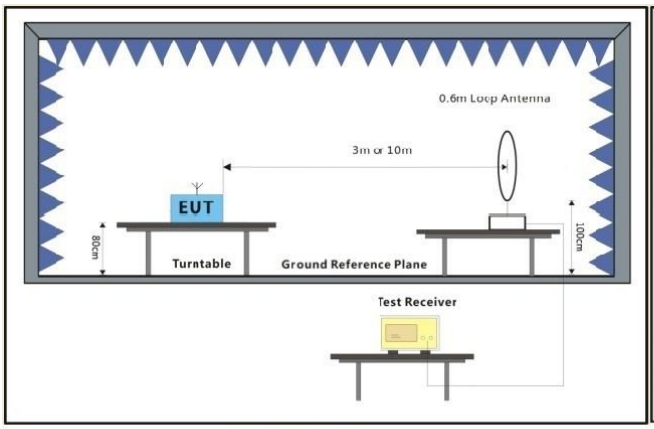
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 20.5 °C Humidity: 51.3 % RH Atmospheric Pressure: 1010 mbar

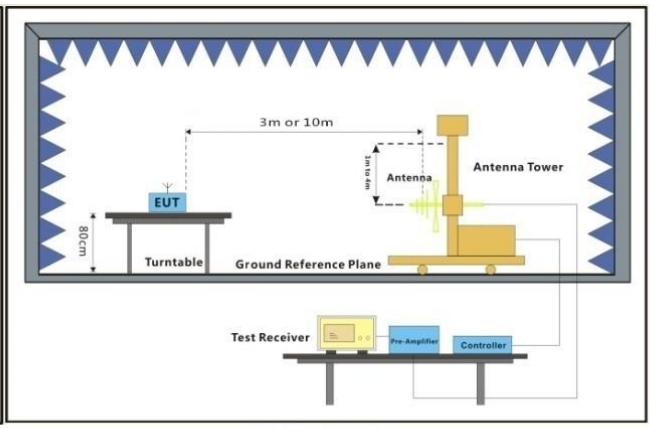
7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-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 20/40/80/160, 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 20/40/80, Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz

7.8.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

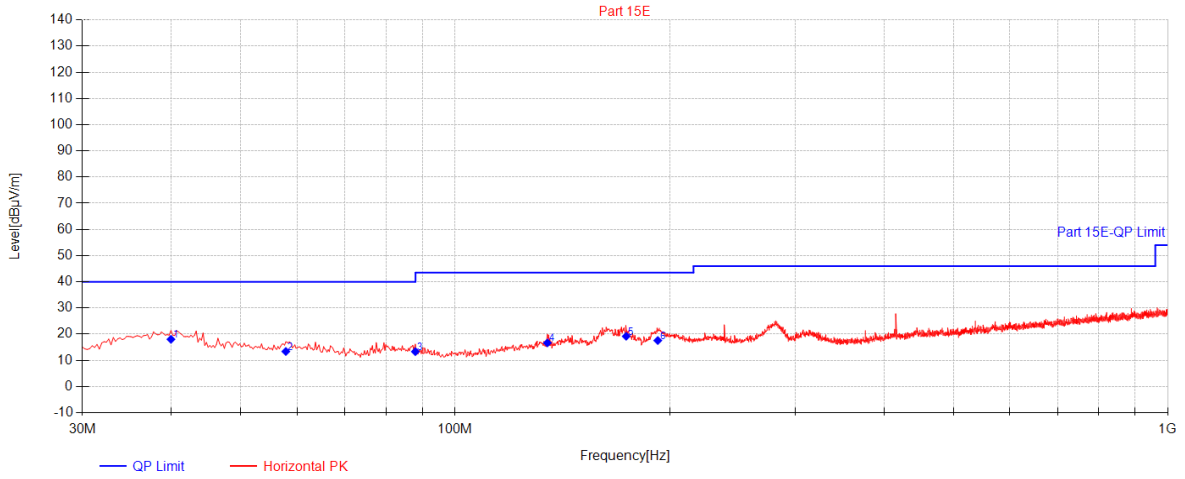
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.

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.

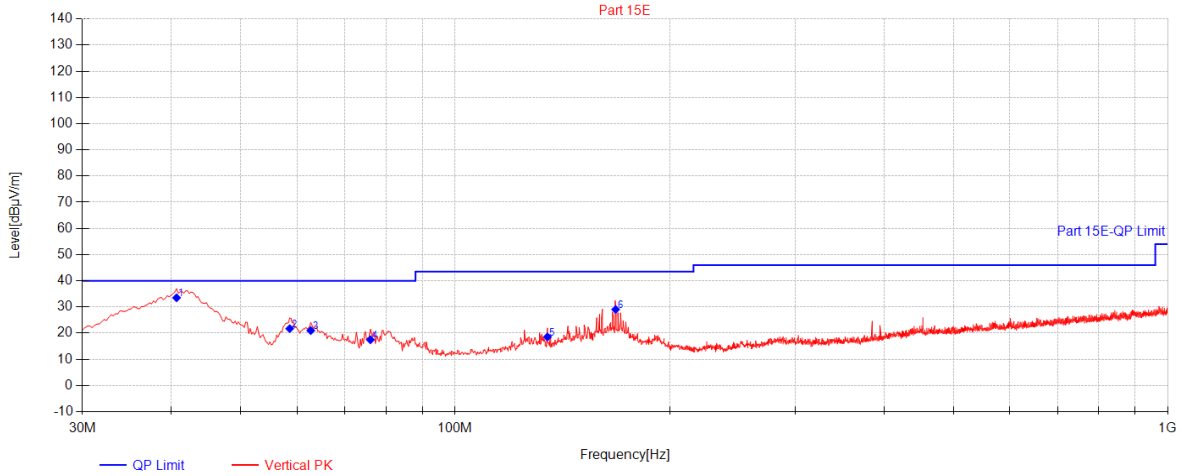
5. This test item was investigated while operating in SISO and MIMO mode, however, it was determined that SISO antenna 1 operation for a modulation and MiMO antenna operation for n/ac/ax modulation produced the worst emissions. So the emissions produced from other operation are not recorded in report.

11AC160_Channel 114 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	39.9425	40.23	-36.27	14.06	18.02	40.00	21.98	Horizontal
2	57.8875	36.81	-36.35	12.92	13.38	40.00	26.62	Horizontal
3	87.9575	40.17	-36.27	9.41	13.31	40.00	26.69	Horizontal
4	134.76	39.12	-35.60	13.13	16.66	43.50	26.84	Horizontal
5	173.8025	39.84	-35.17	14.51	19.18	43.50	24.32	Horizontal
6	192.475	41.23	-35.36	11.70	17.57	43.50	25.93	Horizontal

11AC160_Channel 114 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	40.67	55.75	-36.26	14.01	33.50	40.00	6.50	Vertical
2	58.615	45.23	-36.36	12.86	21.73	40.00	18.27	Vertical
3	62.7375	45.19	-36.43	12.22	20.98	40.00	19.02	Vertical
4	76.075	43.56	-35.98	9.89	17.47	40.00	22.53	Vertical
5	134.76	41.01	-35.60	13.13	18.55	43.50	24.95	Vertical
6	167.9825	49.88	-35.18	14.36	29.06	43.50	14.44	Vertical

7.9 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.		

7.9.1 E.U.T. Operation

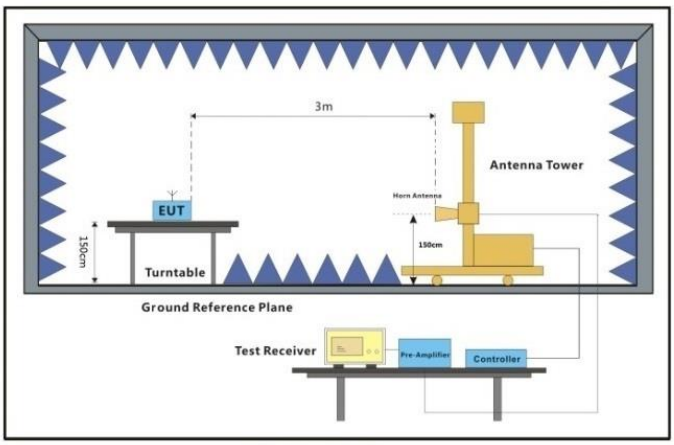
Operating Environment:
Temperature: 20.5 °C Humidity: 51.3 % RH Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-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 20/40/80, 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 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



Above 1GHz

7.9.4 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.

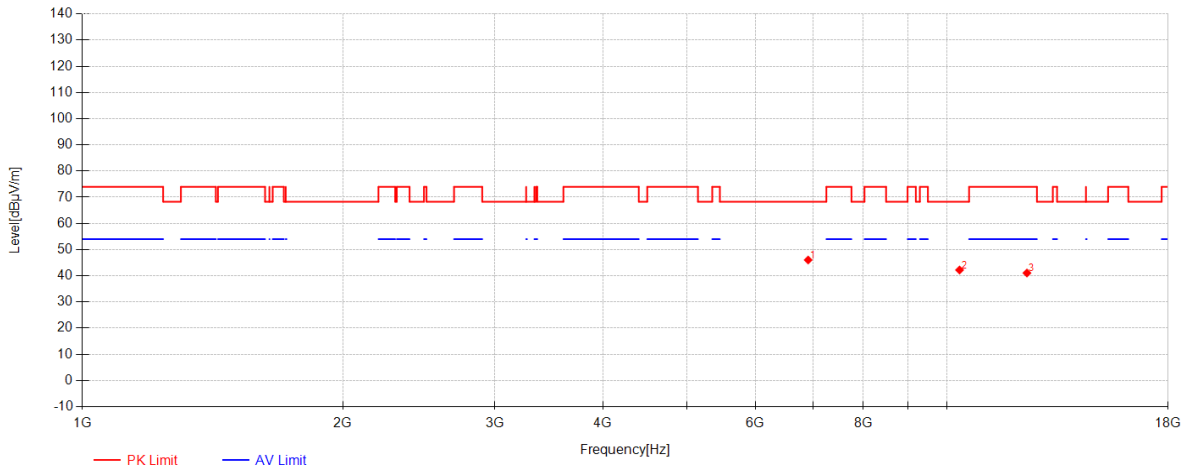
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions 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.

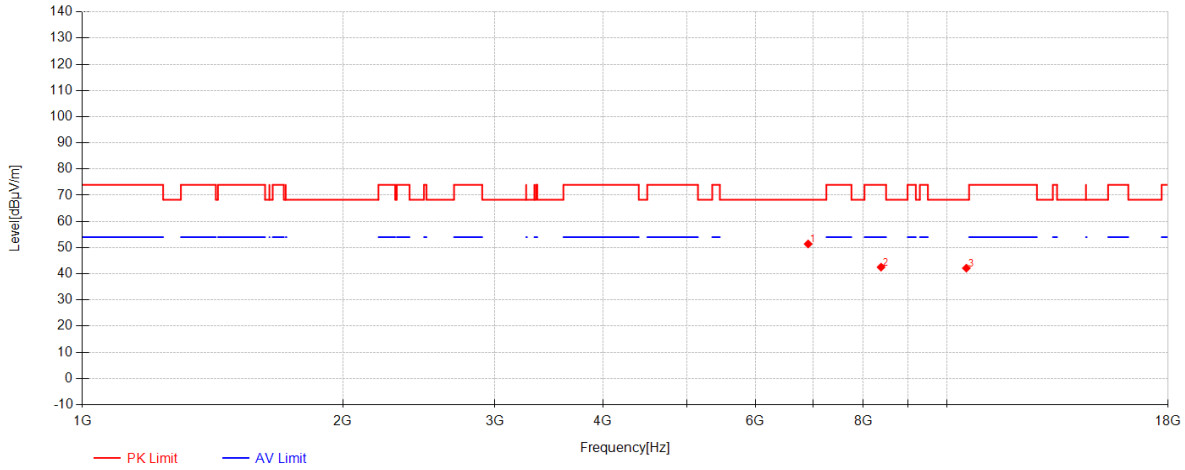
6. This test item was investigated while operating in SISO and MIMO mode, however, it was determined that SISO antenna 1 operation for a modulation and MiMO antenna operation for n/ac/ax modulation produced the worst emissions. So the emissions produced from other operation are not recorded in report.

802.11a_Channel 36



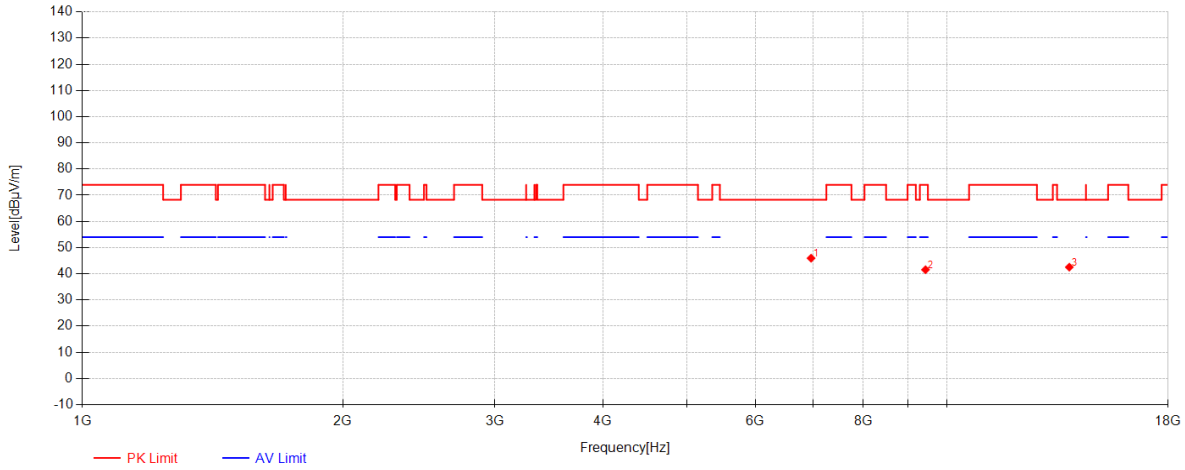
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6906.8125	54.84	35.03	-43.84	46.03	68.30	22.27	Horizontal
2	10334.770	42.72	38.37	-38.88	42.20	68.30	26.10	Horizontal
3	12366.437	39.02	38.91	-36.87	41.06	74.00	32.94	Horizontal

802.11a_Channel 36



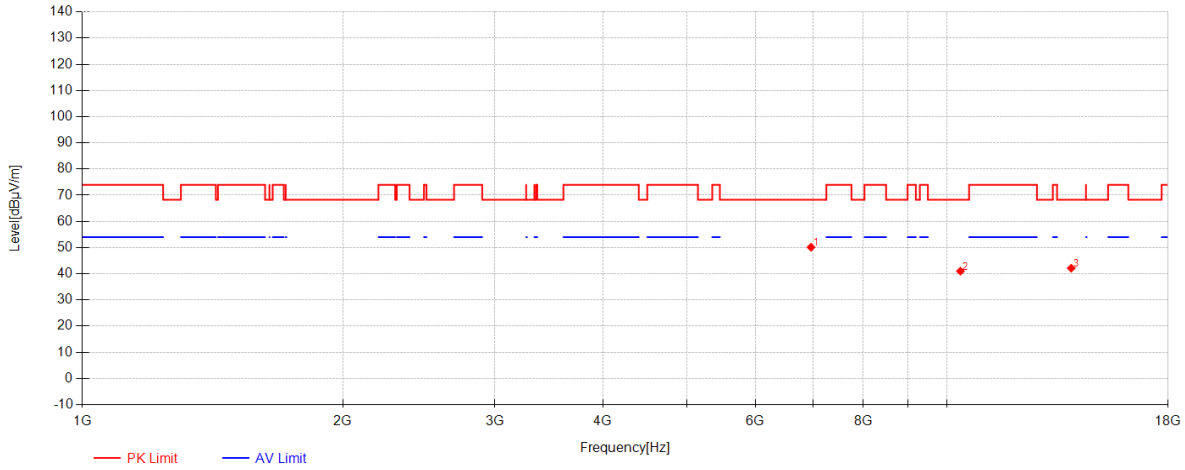
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6906.8125	60.20	35.03	-43.84	51.39	68.30	16.91	Vertical
2	8386.4792	47.37	36.61	-41.44	42.54	74.00	31.46	Vertical
3	10524.041	42.27	38.46	-38.58	42.15	68.30	26.15	Vertical

802.11a_Channel 44



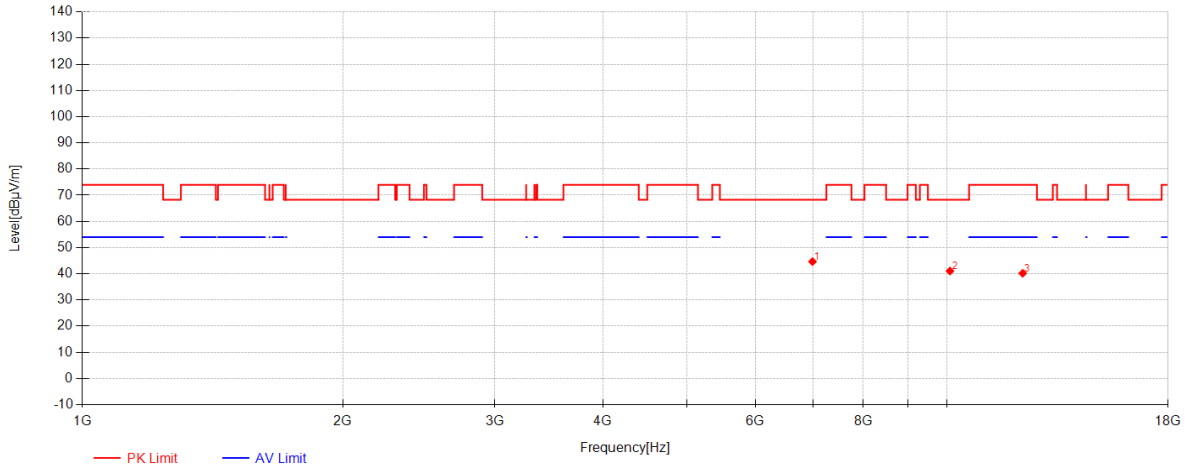
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6960	54.18	35.13	-43.35	45.95	68.30	22.35	Horizontal
2	9439.2083	44.35	37.13	-39.94	41.55	74.00	32.45	Horizontal
3	13842.75	37.87	40.62	-35.96	42.53	68.30	25.77	Horizontal

802.11a_Channel 44



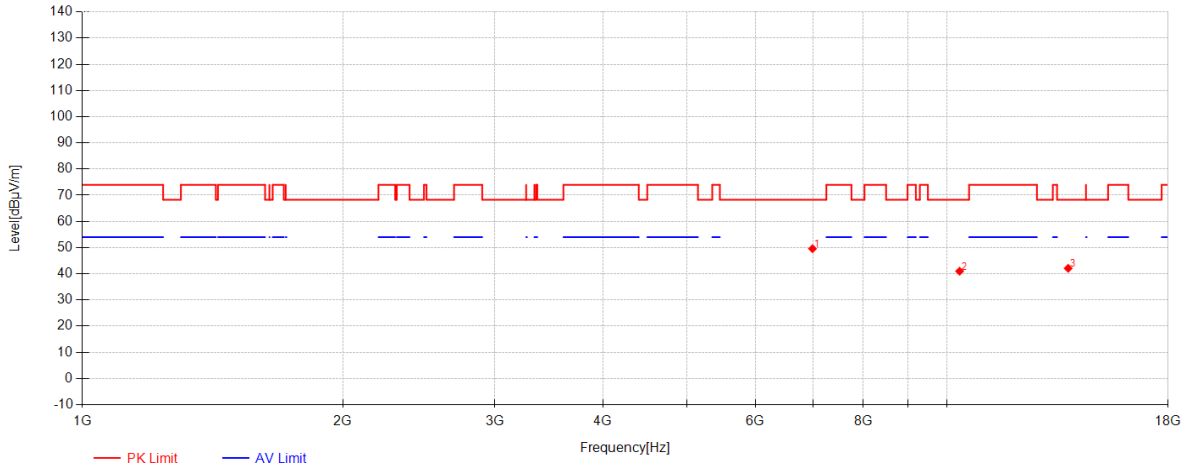
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6960	58.37	35.13	-43.35	50.14	68.30	18.16	Vertical
2	10359.687	41.45	38.38	-38.82	41.01	68.30	27.29	Vertical
3	13913.187	36.85	40.74	-35.47	42.13	68.30	26.17	Vertical

802.11a_Channel 48



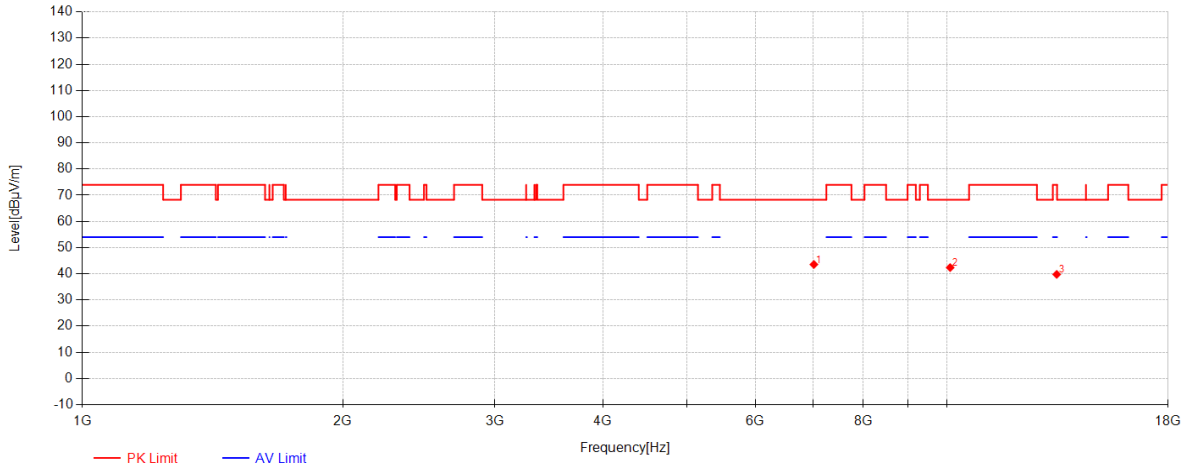
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6986.8333	52.57	35.18	-43.11	44.64	68.30	23.66	Horizontal
2	10074.104	41.69	38.24	-38.88	41.05	68.30	27.25	Horizontal
3	12226.520	38.31	38.87	-36.99	40.19	74.00	33.81	Horizontal

802.11a_Channel 48



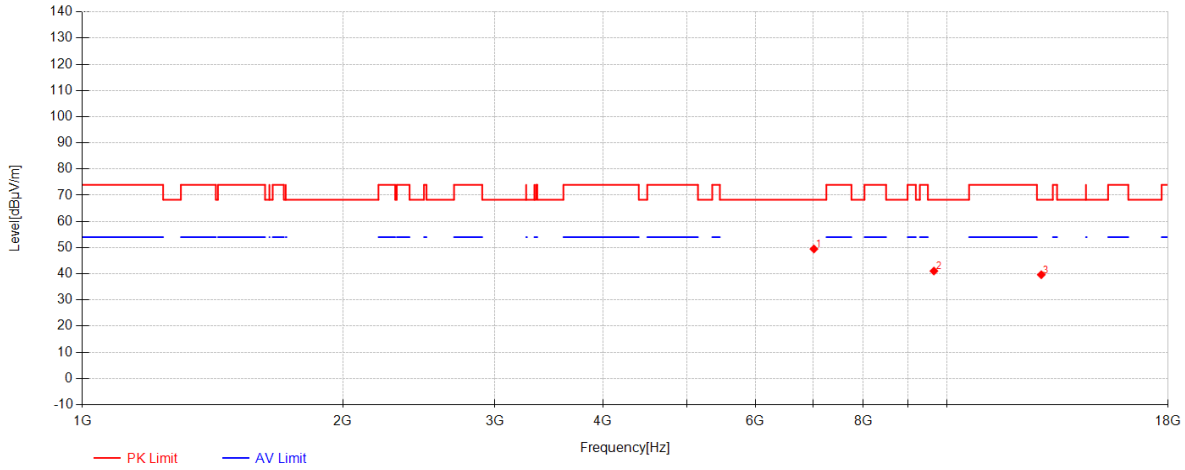
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6986.8333	57.51	35.18	-43.11	49.58	68.30	18.72	Vertical
2	10337.645	41.49	38.37	-38.88	40.98	68.30	27.32	Vertical
3	13801.541	37.78	40.54	-36.24	42.08	68.30	26.22	Vertical

802.11a_Channel 52



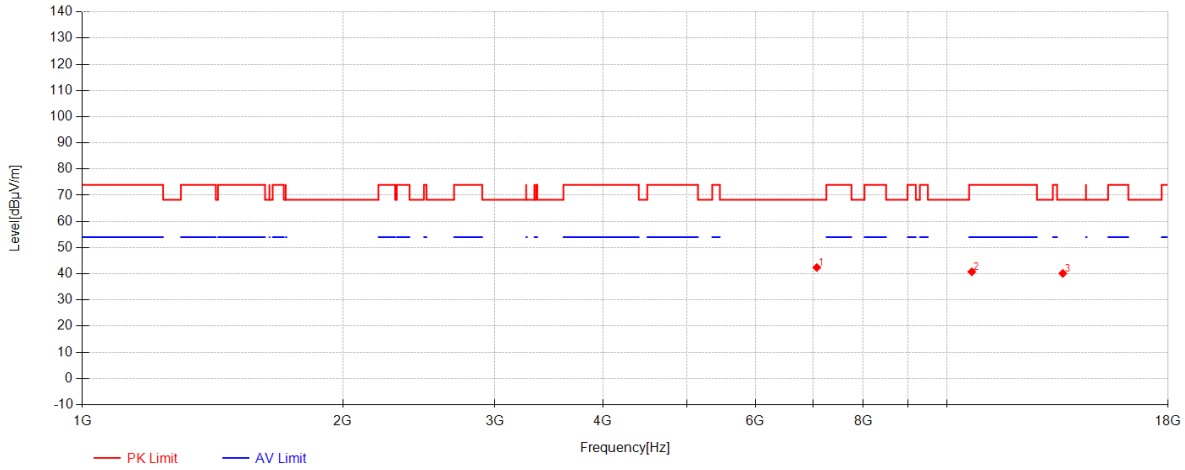
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7013.1875	51.40	35.24	-43.08	43.56	68.30	24.74	Horizontal
2	10079.854	42.98	38.24	-38.84	42.38	68.30	25.92	Horizontal
3	13387.062	36.17	39.80	-36.19	39.77	74.00	34.23	Horizontal

802.11a_Channel 52



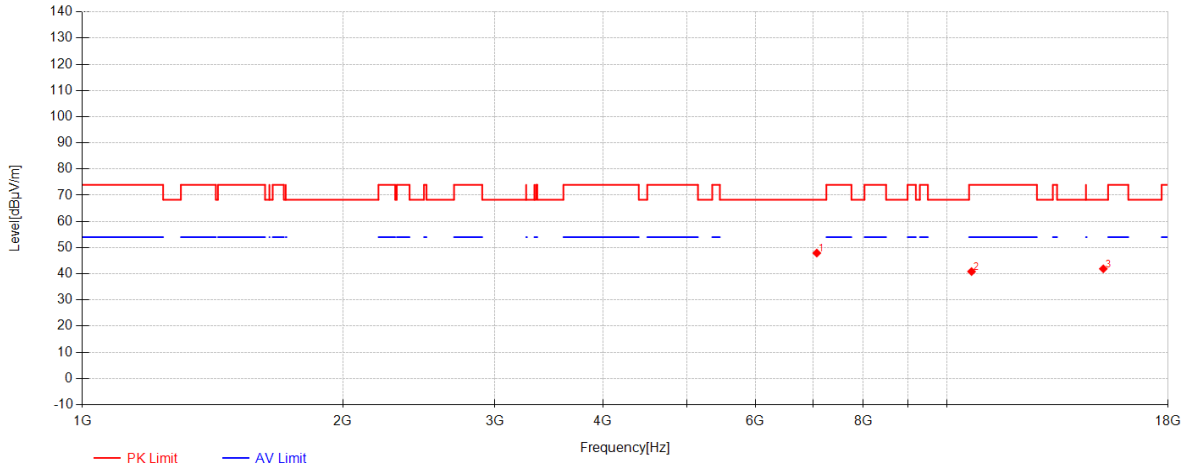
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7013.1875	57.32	35.24	-43.08	49.48	68.30	18.82	Vertical
2	9652.9167	42.86	37.54	-39.35	41.05	68.30	27.25	Vertical
3	12848.958	37.33	39.05	-36.74	39.64	68.30	28.66	Vertical

802.11a_Channel 60



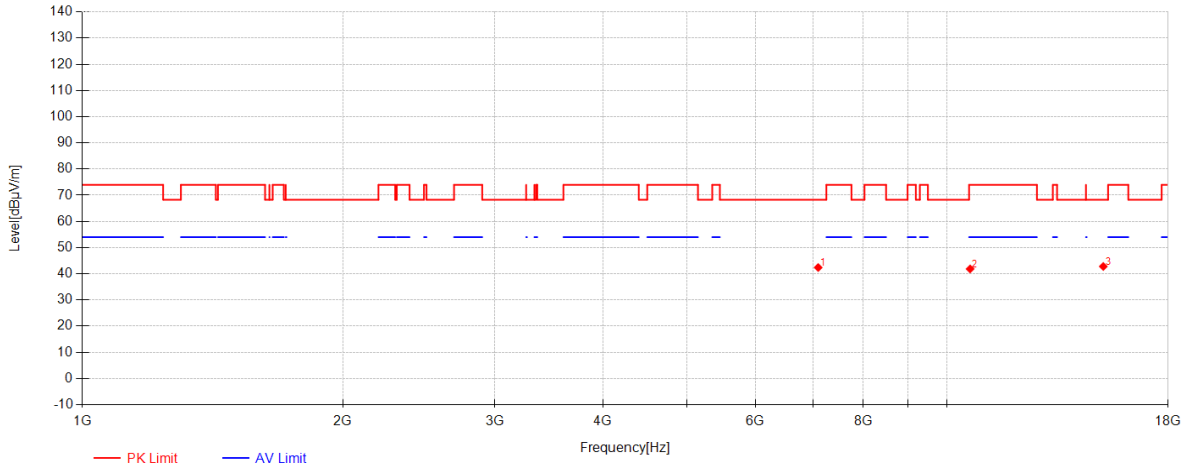
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7066.8542	50.45	35.39	-43.44	42.40	68.30	25.90	Horizontal
2	10678.333	39.81	38.54	-37.60	40.75	74.00	33.25	Horizontal
3	13605.083	35.99	40.19	-36.04	40.14	68.30	28.16	Horizontal

802.11a_Channel 60



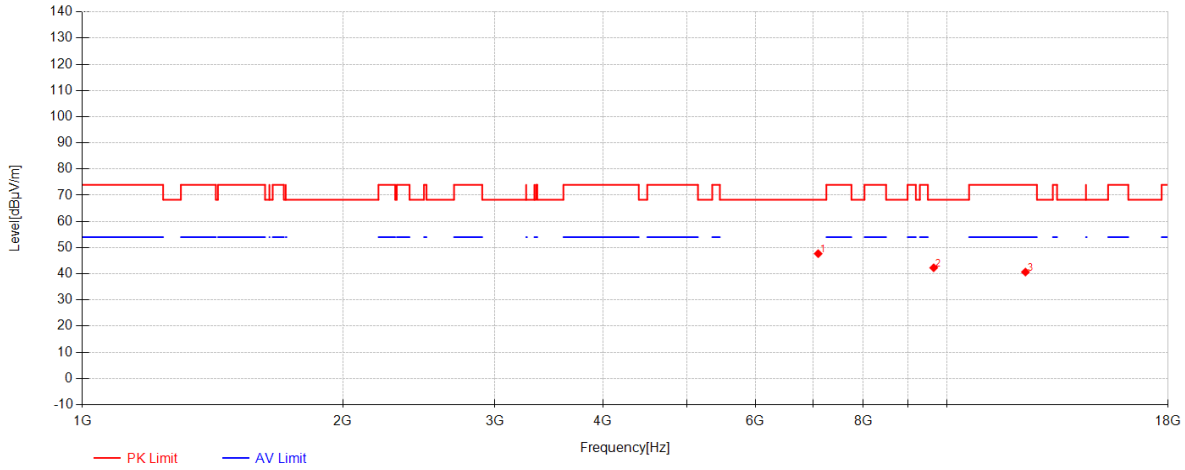
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7066.8542	55.97	35.39	-43.44	47.92	68.30	20.38	Vertical
2	10670.666	39.96	38.54	-37.64	40.85	74.00	33.15	Vertical
3	15155.666	35.01	40.97	-34.08	41.90	68.30	26.40	Vertical

802.11a_Channel 64



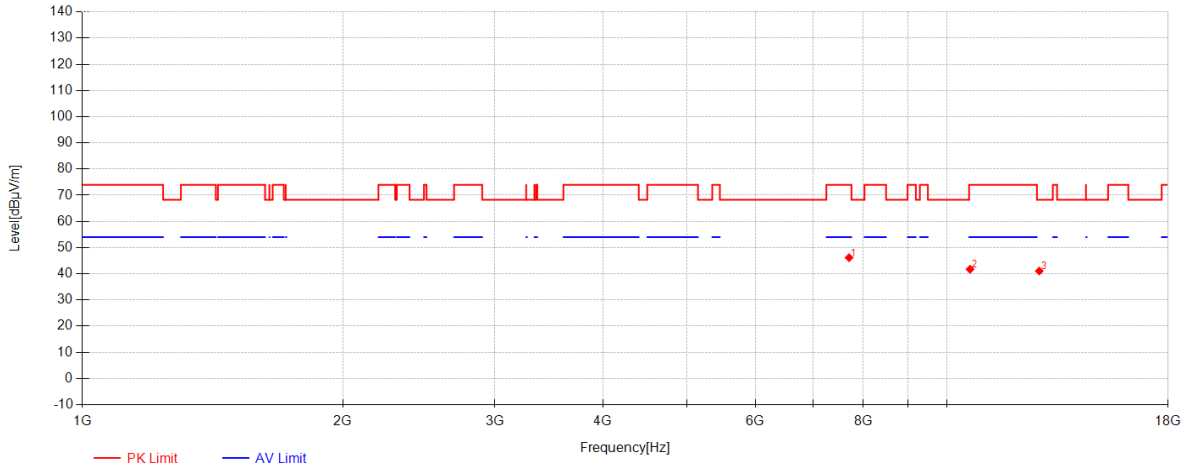
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7093.6875	50.55	35.46	-43.62	42.39	68.30	25.91	Horizontal
2	10629.937	41.20	38.51	-37.85	41.86	74.00	32.14	Horizontal
3	15154.708	35.90	40.98	-34.09	42.79	68.30	25.51	Horizontal

802.11a_Channel 64



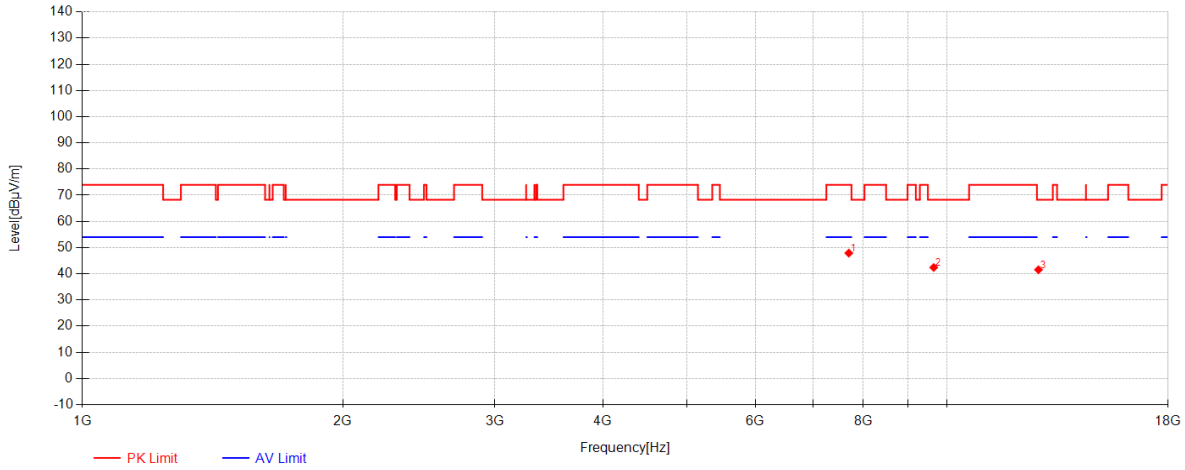
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7093.6875	55.84	35.46	-43.62	47.68	68.30	20.62	Vertical
2	9648.125	44.10	37.53	-39.33	42.30	68.30	26.00	Vertical
3	12318.520	38.47	38.90	-36.70	40.66	74.00	33.34	Vertical

802.11a_Channel 100



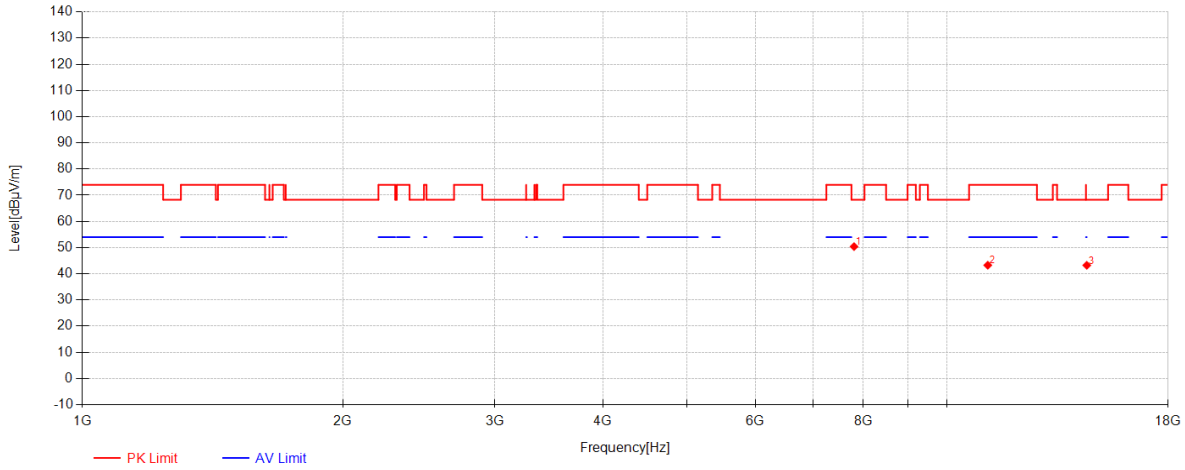
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7701.2708	52.41	36.68	-42.95	46.15	74.00	27.85	Horizontal
2	10627.541	41.08	38.51	-37.87	41.73	74.00	32.27	Horizontal
3	12779	38.69	39.03	-36.66	41.06	68.30	27.24	Horizontal

802.11a_Channel 100



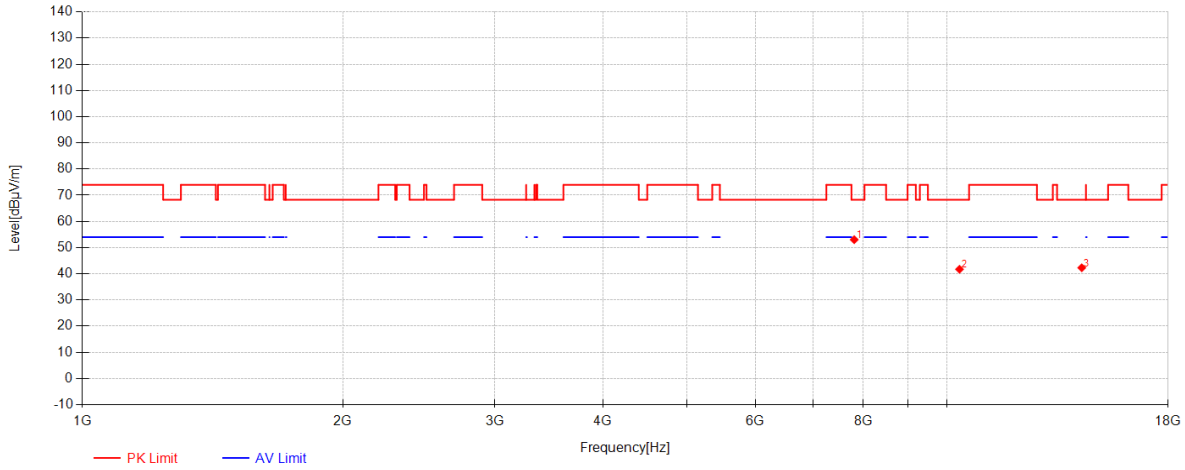
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7696.4792	54.15	36.68	-42.94	47.89	74.00	26.11	Vertical
2	9648.125	44.21	37.53	-39.33	42.41	68.30	25.89	Vertical
3	12751.208	39.23	39.03	-36.72	41.53	68.30	26.77	Vertical

802.11a_Channel 116



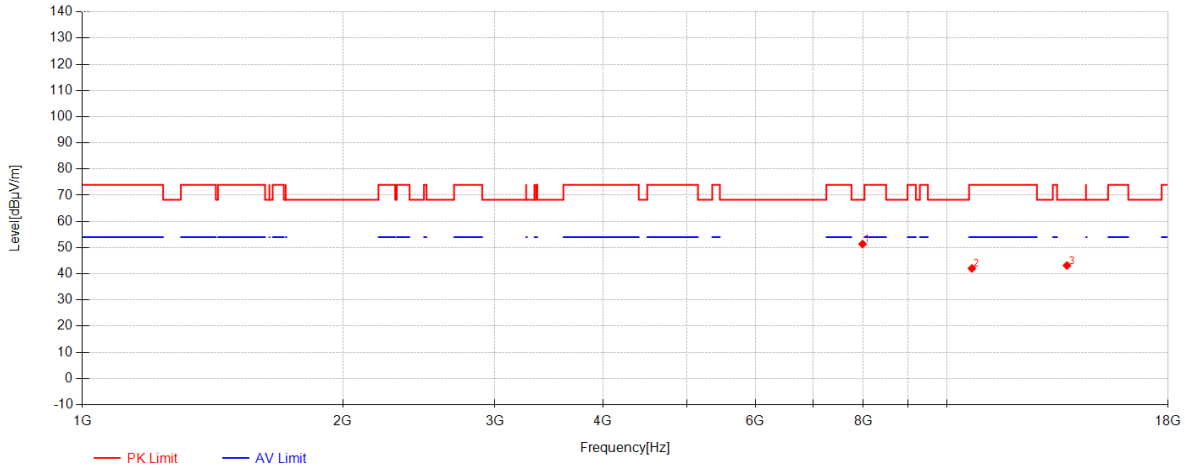
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7804.2917	56.25	36.72	-42.59	50.38	68.30	17.92	Horizontal
2	11141.208	41.83	38.71	-37.28	43.27	74.00	30.73	Horizontal
3	14502.083	36.38	41.10	-34.25	43.23	68.30	25.07	Horizontal

802.11a_Channel 116



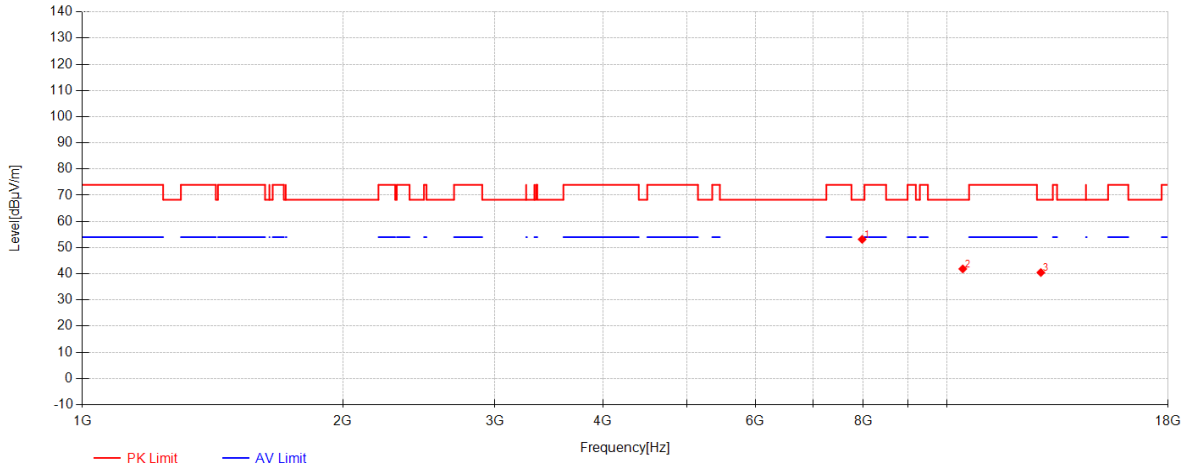
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7807.6458	58.90	36.72	-42.59	53.03	68.30	15.27	Vertical
2	10333.812	42.24	38.37	-38.89	41.72	68.30	26.58	Vertical
3	14308.979	37.07	41.02	-35.79	42.30	68.30	26.00	Vertical

802.11a_Channel 140



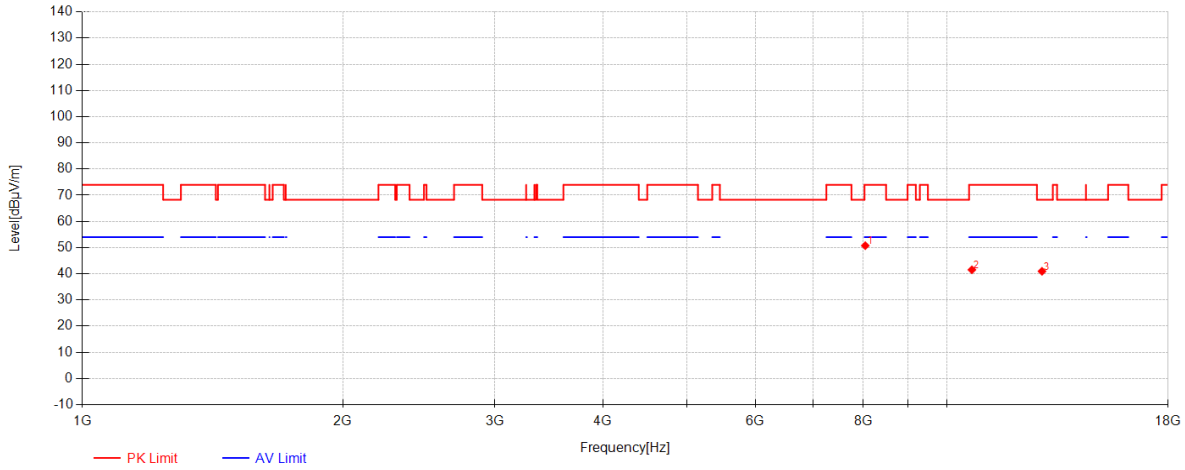
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7983.0208	56.79	36.79	-42.23	51.35	68.30	16.95	Horizontal
2	10680.25	41.09	38.54	-37.59	42.04	74.00	31.96	Horizontal
3	13755.541	38.82	40.46	-36.13	43.15	68.30	25.15	Horizontal

802.11a_Channel 140



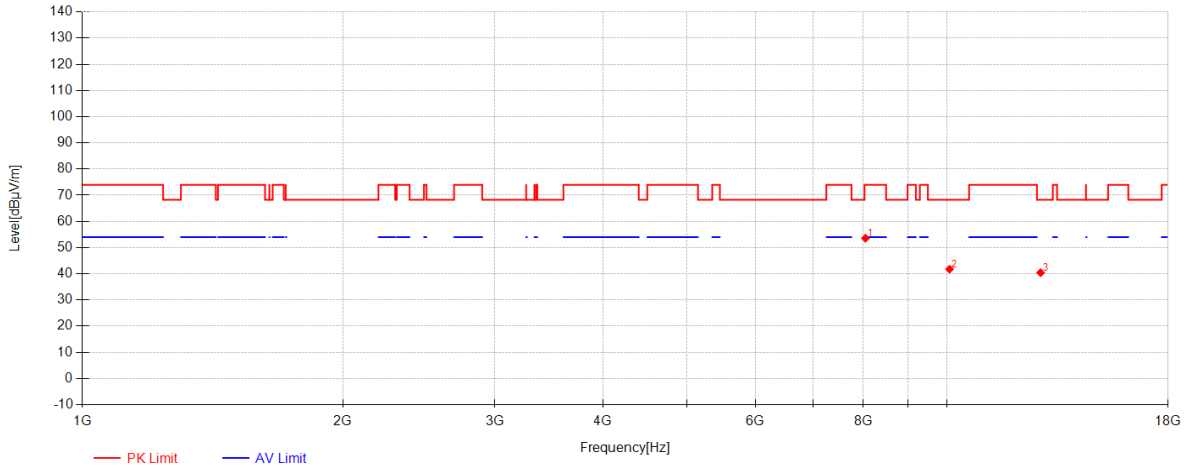
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7975.3542	58.64	36.79	-42.28	53.15	68.30	15.15	Vertical
2	10424.854	42.19	38.41	-38.73	41.87	68.30	26.43	Vertical
3	12832.666	38.13	39.05	-36.70	40.48	68.30	27.82	Vertical

802.11a_Channel 149



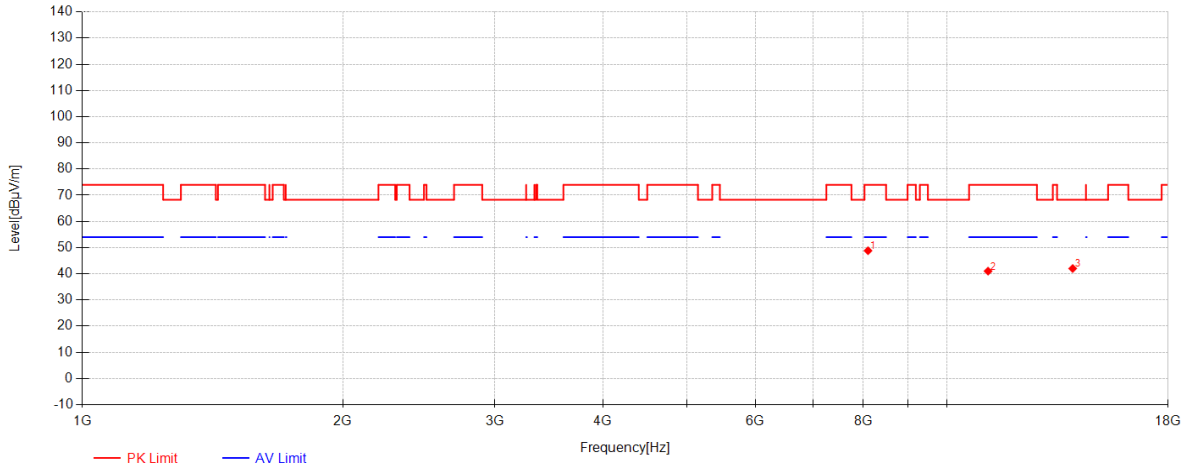
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8041	55.78	36.78	-41.81	50.75	74.00	23.25	Horizontal
2	10680.25	40.57	38.54	-37.59	41.52	74.00	32.48	Horizontal
3	12872.437	38.69	39.06	-36.80	40.95	68.30	27.35	Horizontal

802.11a_Channel 149



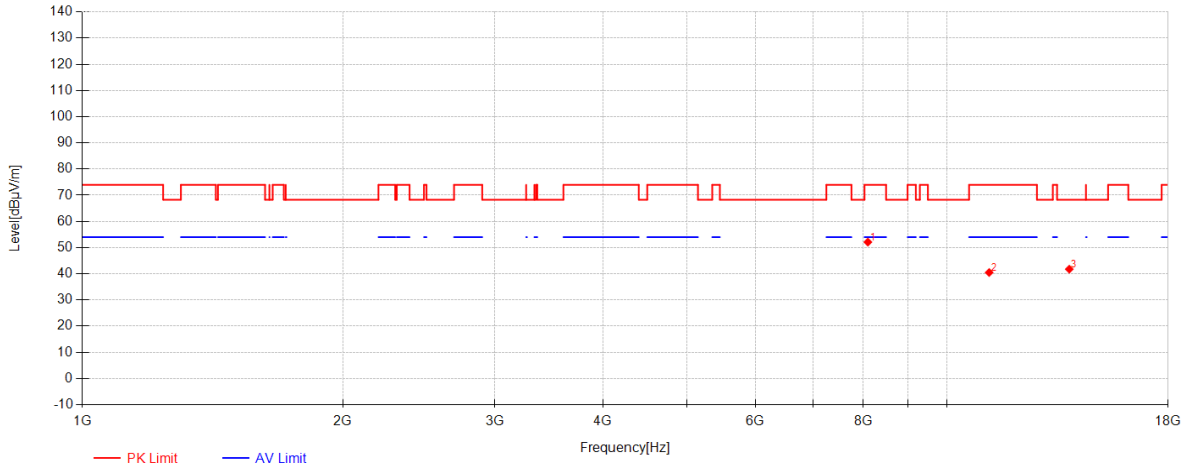
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8044.8333	58.59	36.78	-41.78	53.59	74.00	20.41	Vertical
2	10062.604	42.47	38.23	-38.95	41.75	68.30	26.55	Vertical
3	12823.083	38.04	39.05	-36.68	40.41	68.30	27.89	Vertical

802.11a_Channel 157



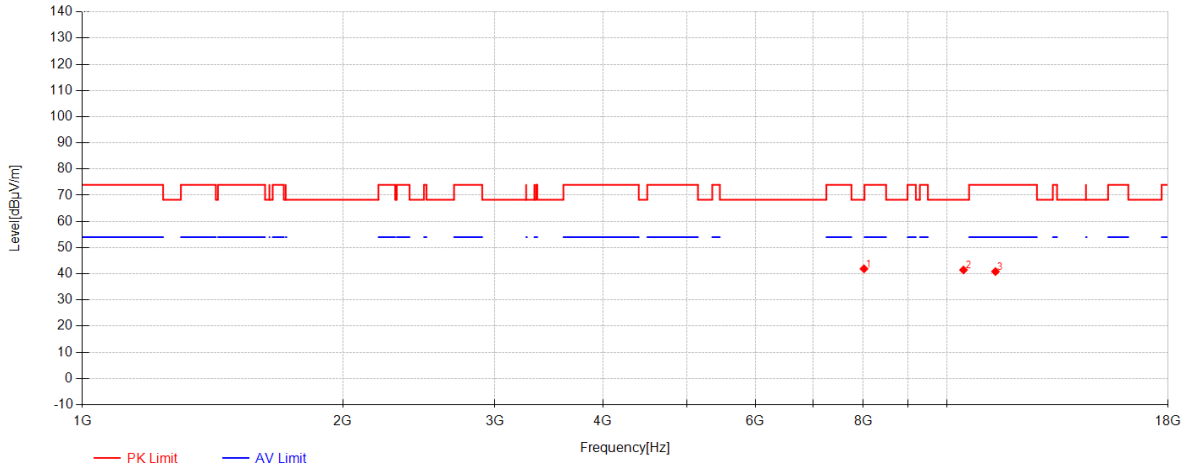
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8100.4167	53.41	36.75	-41.34	48.82	74.00	25.18	Horizontal
2	11150.791	39.46	38.72	-37.17	41.01	74.00	32.99	Horizontal
3	13969.25	36.20	40.84	-35.02	42.02	68.30	26.28	Horizontal

802.11a_Channel 157



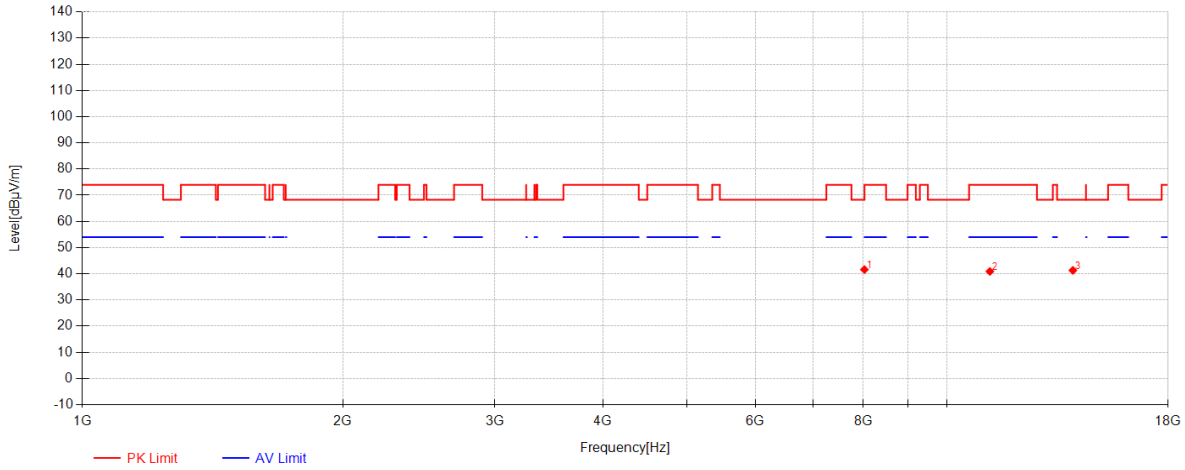
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8096.5833	56.72	36.75	-41.37	52.10	74.00	21.90	Vertical
2	11183.375	38.56	38.72	-36.79	40.49	74.00	33.51	Vertical
3	13842.270	37.11	40.62	-35.96	41.76	68.30	26.54	Vertical

802.11a_Channel 165



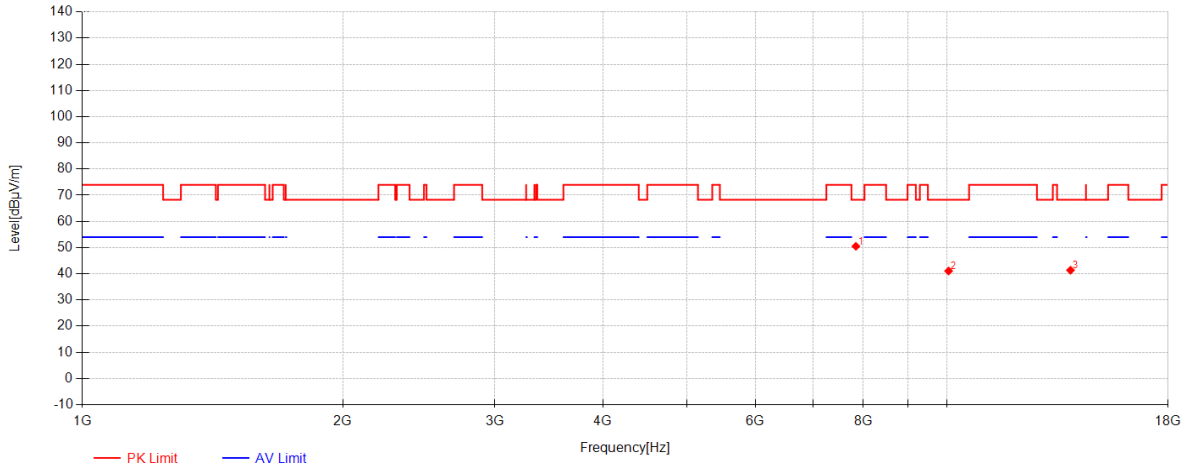
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8013.6875	47.13	36.79	-42.02	41.90	68.30	26.40	Horizontal
2	10444.5	41.77	38.42	-38.74	41.45	68.30	26.85	Horizontal
3	11370.729	39.53	38.74	-37.43	40.84	74.00	33.16	Horizontal

802.11a_Channel 165



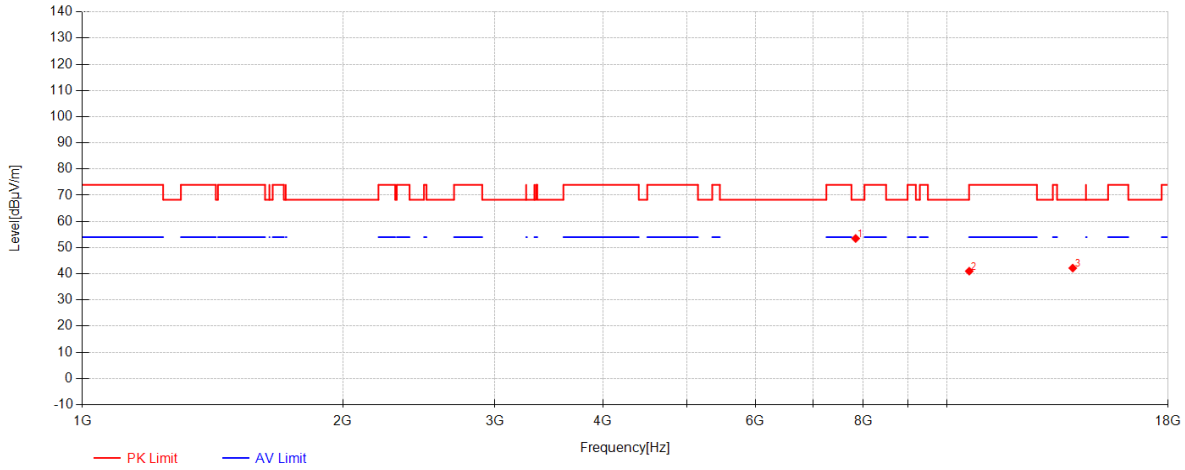
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8022.7917	46.77	36.79	-41.95	41.61	68.30	26.69	Vertical
2	11203.979	38.79	38.72	-36.63	40.89	74.00	33.11	Vertical
3	13975	35.42	40.85	-34.98	41.30	68.30	27.00	Vertical

802.11a_Channel 120



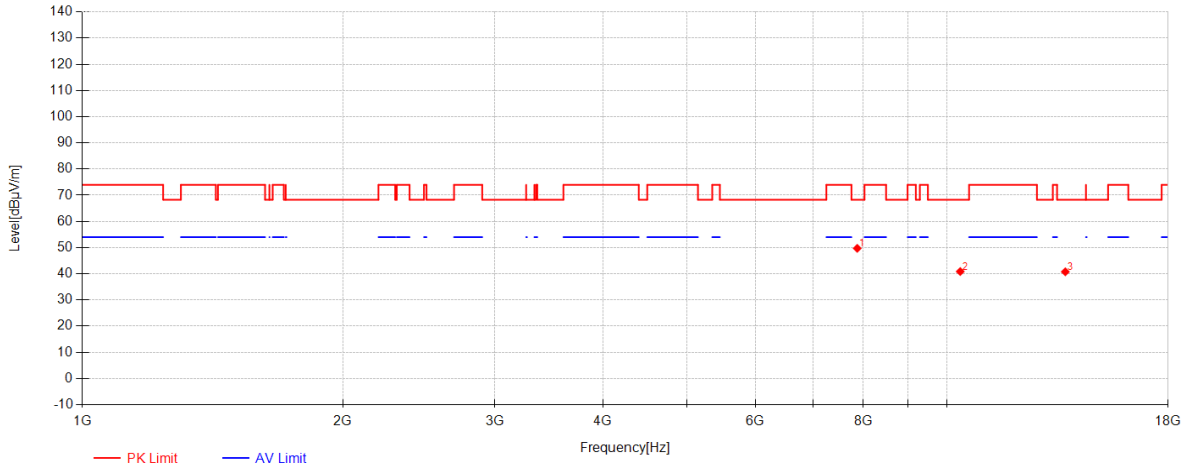
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7842.1458	56.40	36.74	-42.65	50.49	68.30	17.81	Horizontal
2	10037.687	41.96	38.22	-39.12	41.06	68.30	27.24	Horizontal
3	13887.312	36.33	40.70	-35.66	41.37	68.30	26.93	Horizontal

802.11a_Channel 120



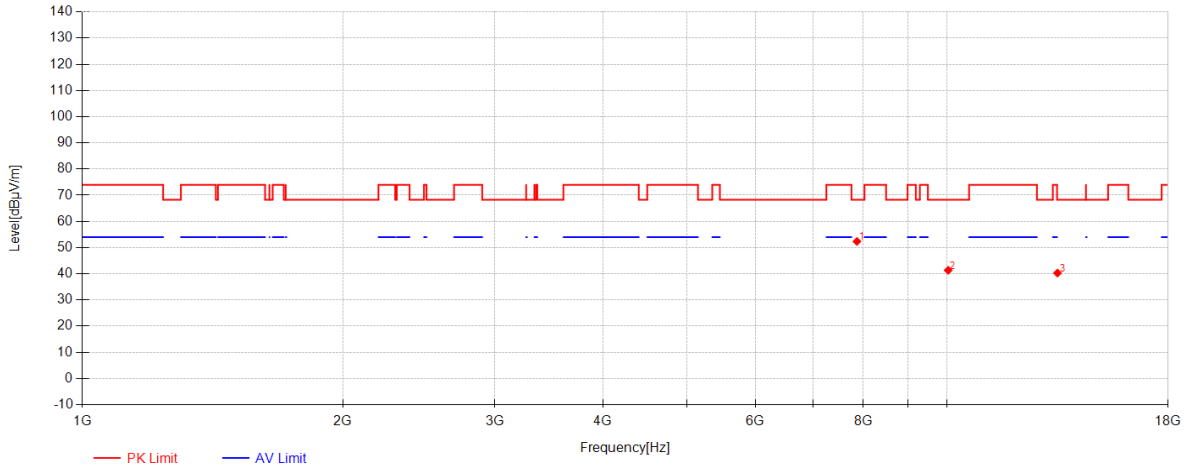
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7838.3125	59.40	36.74	-42.64	53.49	68.30	14.81	Vertical
2	10605.5	40.48	38.50	-37.98	41.00	74.00	33.00	Vertical
3	13970.687	36.33	40.85	-35.01	42.17	68.30	26.13	Vertical

802.11a_Channel 124



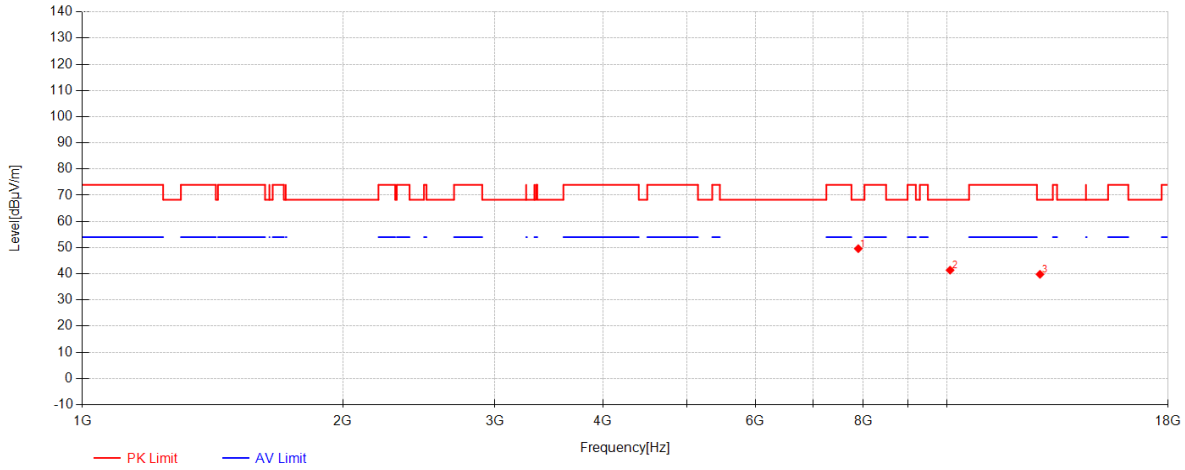
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7870.8958	55.68	36.75	-42.69	49.73	68.30	18.57	Horizontal
2	10353.937	41.32	38.38	-38.84	40.86	68.30	27.44	Horizontal
3	13697.083	36.40	40.35	-35.99	40.76	68.30	27.54	Horizontal

802.11a_Channel 124



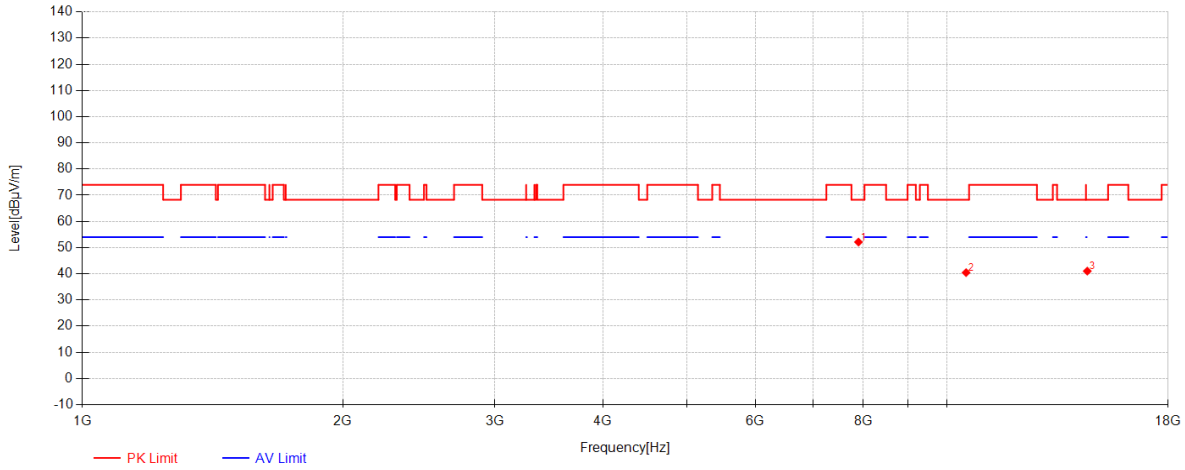
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7864.6667	58.30	36.75	-42.68	52.36	68.30	15.94	Vertical
2	10027.145	42.32	38.21	-39.20	41.34	68.30	26.96	Vertical
3	13413.416	36.57	39.84	-36.15	40.27	68.30	28.03	Vertical

802.11a_Channel 128



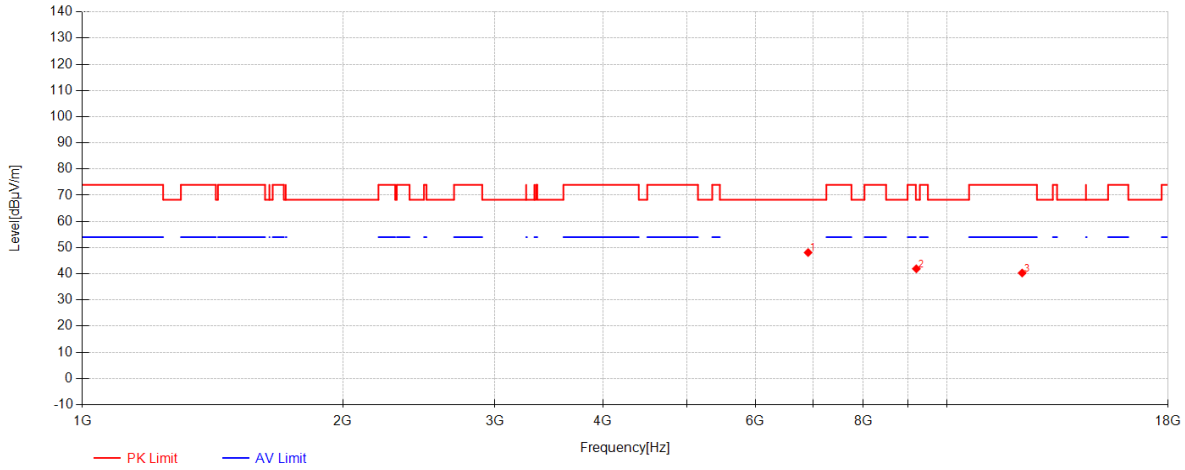
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7893.4167	55.57	36.76	-42.73	49.60	68.30	18.70	Horizontal
2	10076.979	42.00	38.24	-38.86	41.38	68.30	26.92	Horizontal
3	12803.916	37.39	39.04	-36.63	39.80	68.30	28.50	Horizontal

802.11a_Channel 128



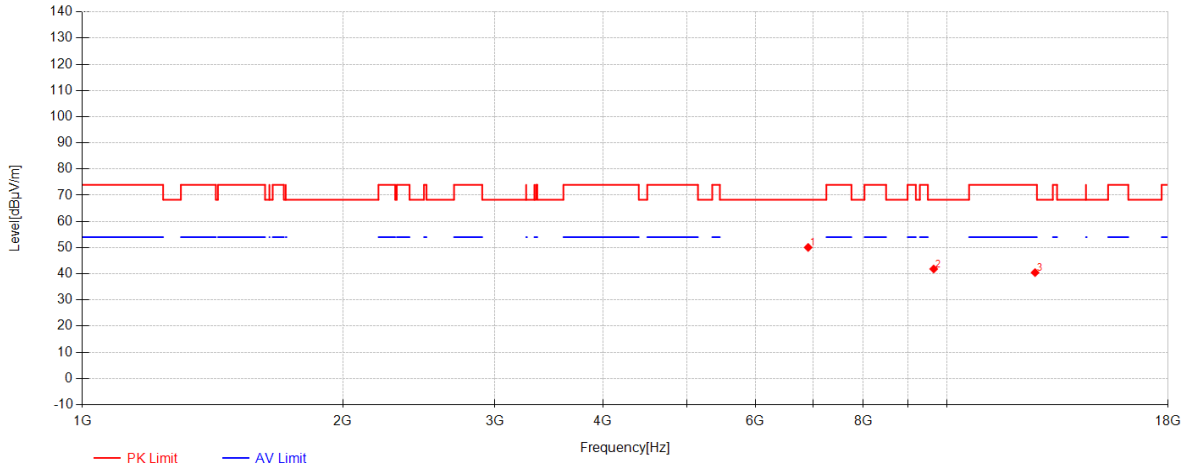
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7896.7708	58.10	36.76	-42.73	52.12	68.30	16.18	Vertical
2	10517.333	40.62	38.46	-38.63	40.45	68.30	27.85	Vertical
3	14521.25	34.39	41.11	-34.47	41.03	68.30	27.27	Vertical

802.11n20_Channel 36



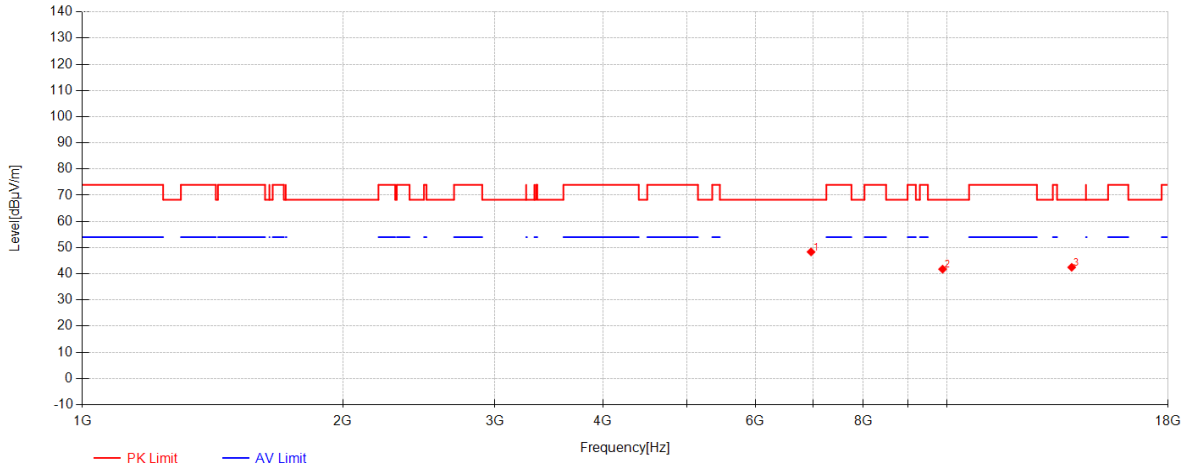
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6906.3333	56.92	35.03	-43.84	48.11	68.30	20.19	Horizontal
2	9212.0833	45.17	36.70	-39.96	41.91	68.30	26.39	Horizontal
3	12210.708	38.49	38.86	-37.06	40.29	74.00	33.71	Horizontal

802.11n20_Channel 36



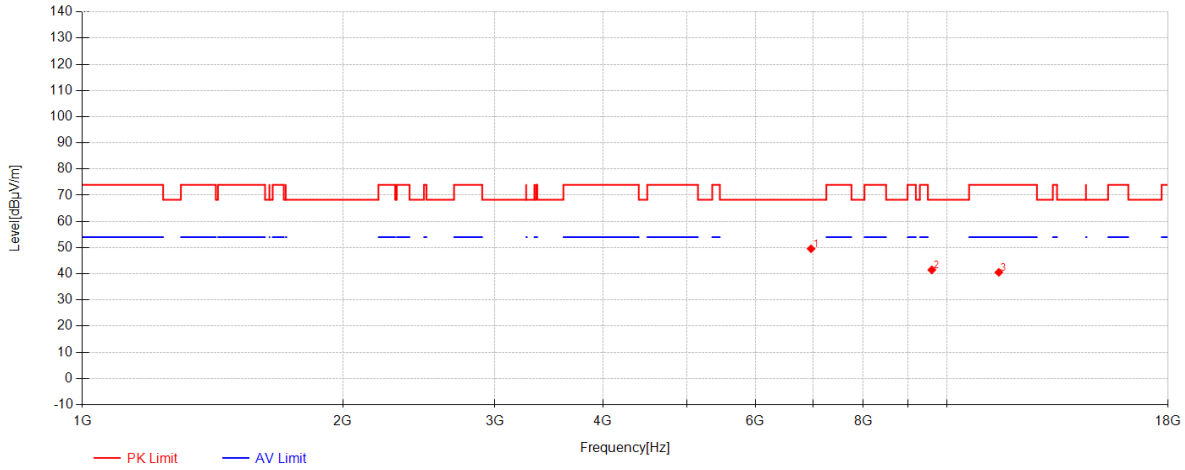
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6906.8125	58.88	35.03	-43.84	50.07	68.30	18.23	Vertical
2	9647.6458	43.63	37.53	-39.33	41.83	68.30	26.47	Vertical
3	12638.125	38.53	38.99	-37.06	40.46	74.00	33.54	Vertical

802.11n20_Channel 44



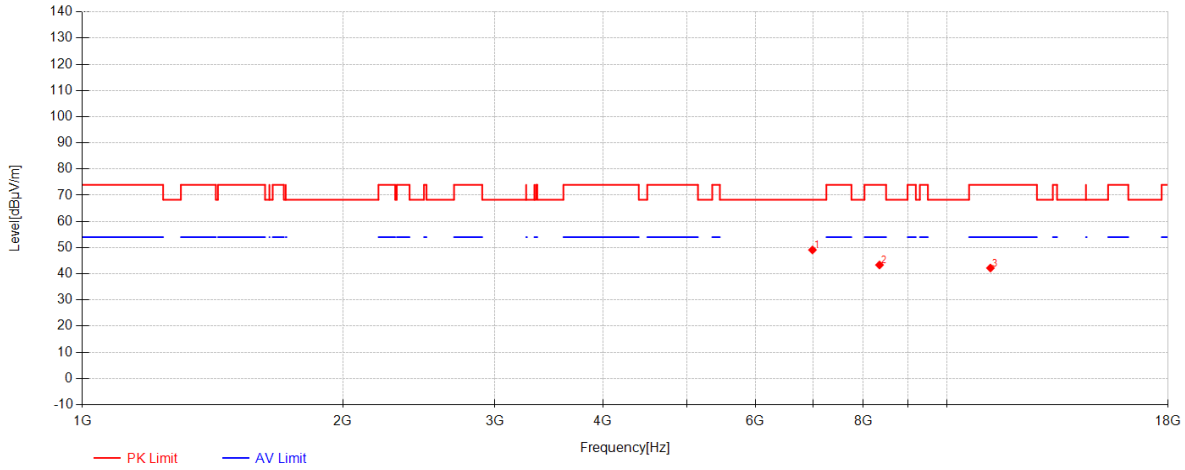
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6960	56.58	35.13	-43.35	48.35	68.30	19.95	Horizontal
2	9879.5625	42.97	37.97	-39.17	41.77	68.30	26.53	Horizontal
3	13931.395	37.02	40.78	-35.32	42.47	68.30	25.83	Horizontal

802.11n20_Channel 44



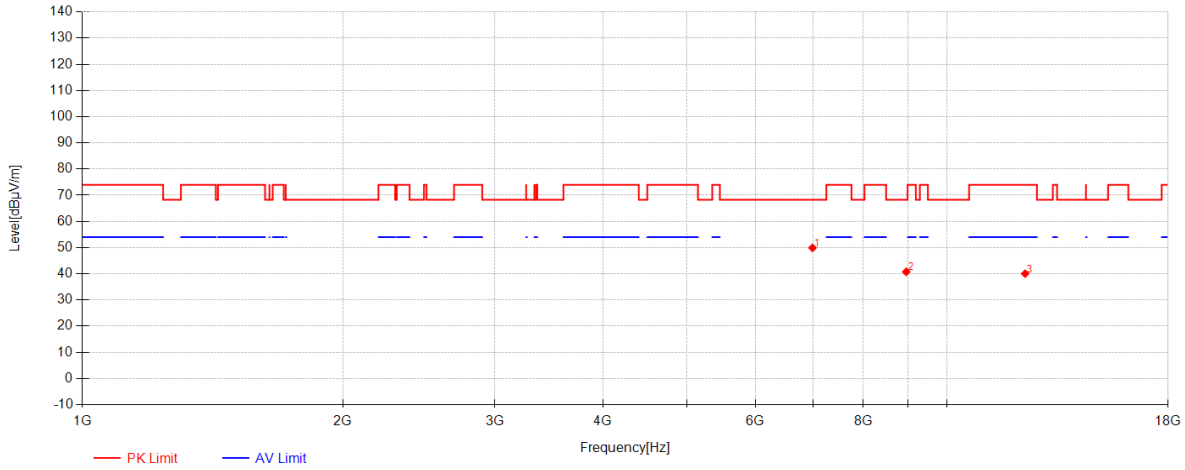
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6960	57.78	35.13	-43.35	49.55	68.30	18.75	Vertical
2	9600.2083	43.24	37.44	-39.20	41.48	68.30	26.82	Vertical
3	11475.187	38.56	38.75	-36.76	40.55	74.00	33.45	Vertical

802.11n20_Channel 48



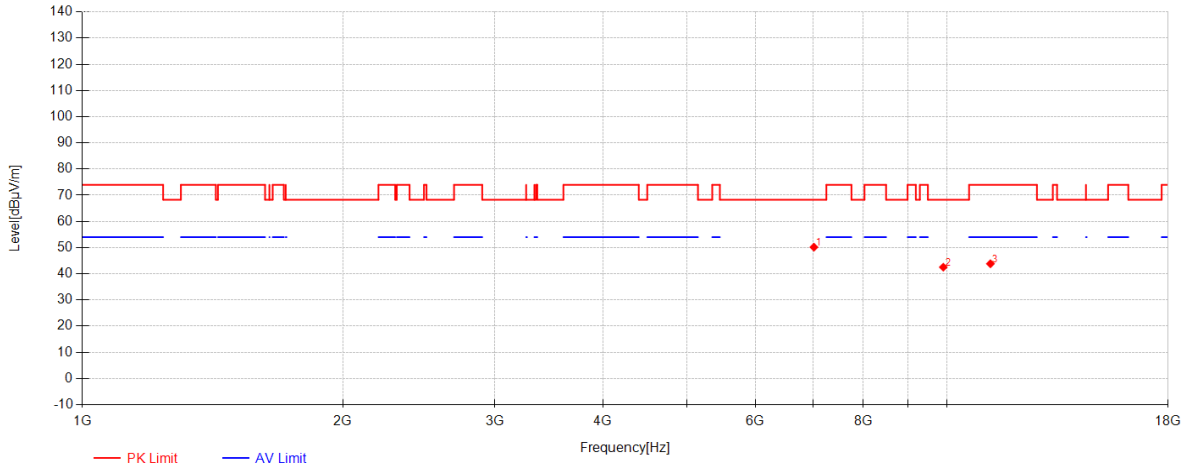
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6986.8333	57.04	35.18	-43.11	49.11	68.30	19.19	Horizontal
2	8351.5	48.36	36.62	-41.61	43.37	74.00	30.63	Horizontal
3	11221.229	40.21	38.72	-36.73	42.20	74.00	31.80	Horizontal

802.11n20_Channel 48



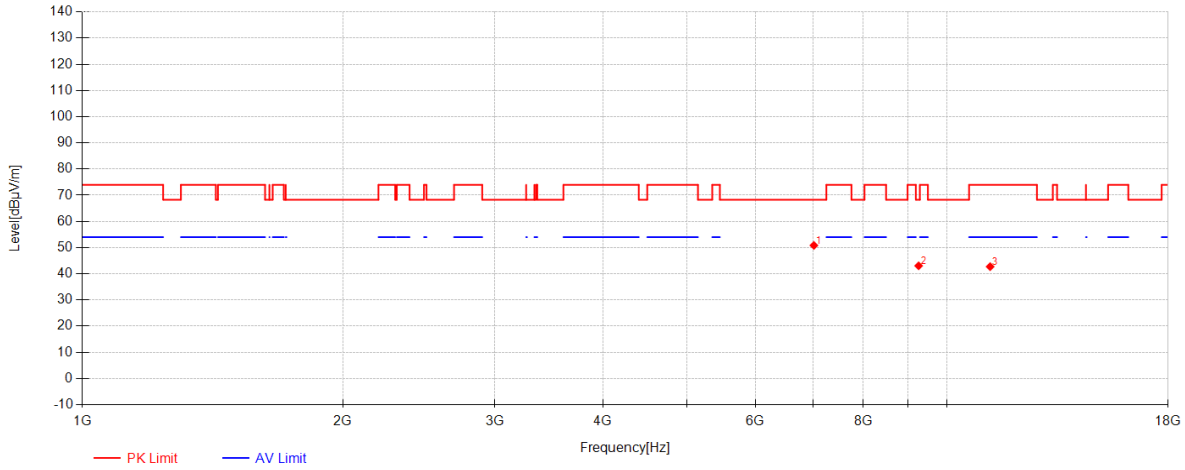
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6986.8333	57.83	35.18	-43.11	49.90	68.30	18.40	Vertical
2	8967.7083	45.32	36.32	-40.88	40.75	68.30	27.55	Vertical
3	12307.5	37.81	38.89	-36.67	40.04	74.00	33.96	Vertical

802.11n20_Channel 52



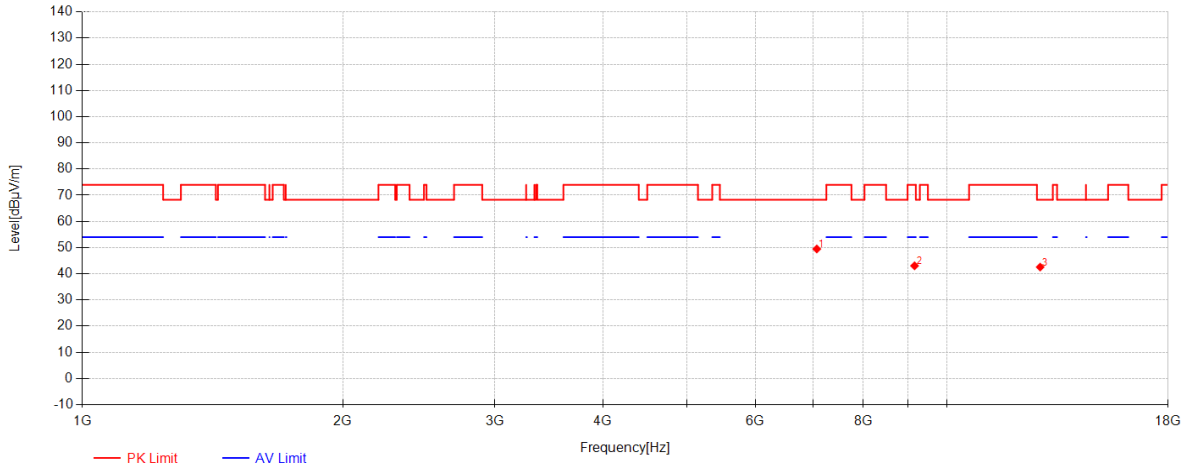
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7013.1875	58.00	35.24	-43.08	50.16	68.30	18.14	Horizontal
2	9897.7708	43.71	38.01	-39.20	42.52	68.30	25.78	Horizontal
3	11220.75	41.84	38.72	-36.73	43.83	74.00	30.17	Horizontal

802.11n20_Channel 52



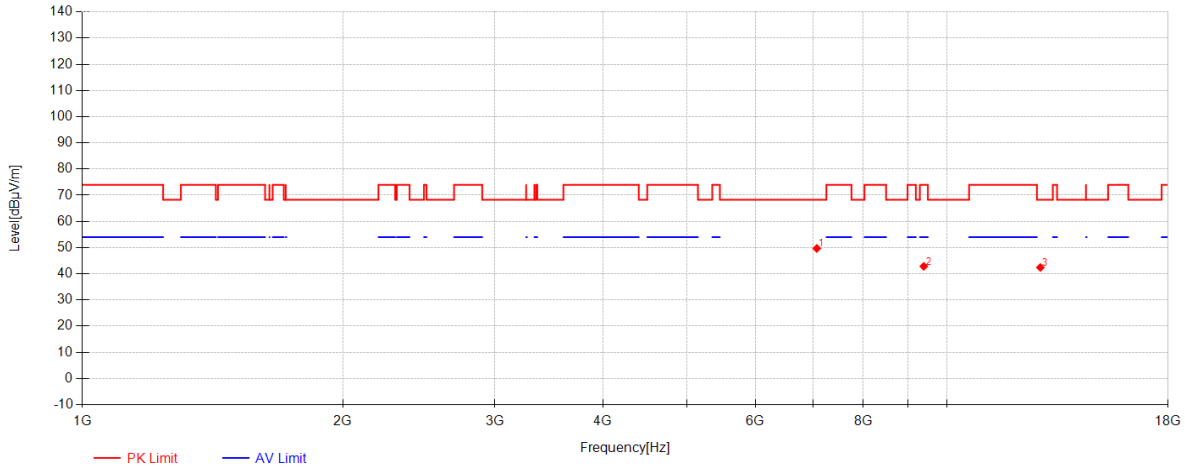
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7013.1875	58.67	35.24	-43.08	50.83	68.30	17.47	Vertical
2	9268.625	46.27	36.81	-40.03	43.05	68.30	25.25	Vertical
3	11212.125	40.68	38.72	-36.68	42.72	74.00	31.28	Vertical

802.11n20_Channel 60



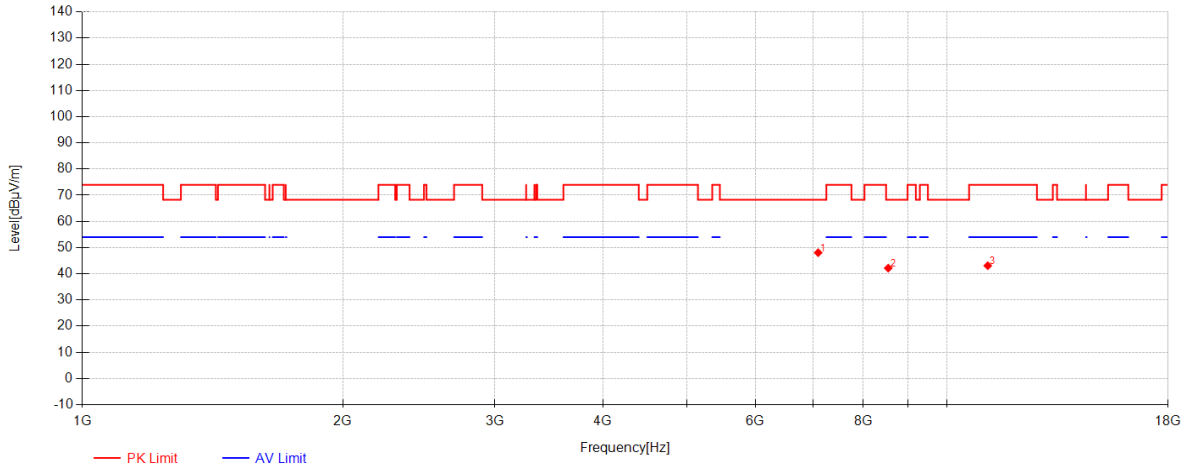
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7066.8542	57.54	35.39	-43.44	49.49	68.30	18.81	Horizontal
2	9168.4792	46.52	36.62	-40.09	43.05	74.00	30.95	Horizontal
3	12809.666	40.16	39.04	-36.64	42.56	68.30	25.74	Horizontal

802.11n20_Channel 60



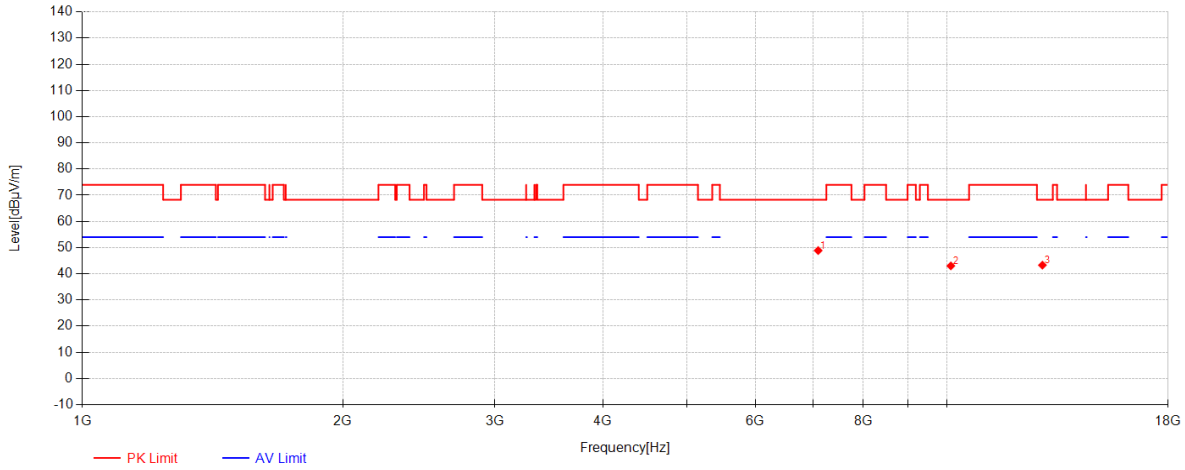
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7066.8542	57.74	35.39	-43.44	49.69	68.30	18.61	Vertical
2	9396.5625	45.71	37.05	-39.93	42.84	74.00	31.16	Vertical
3	12816.854	40.03	39.05	-36.66	42.41	68.30	25.89	Vertical

802.11n20_Channel 64



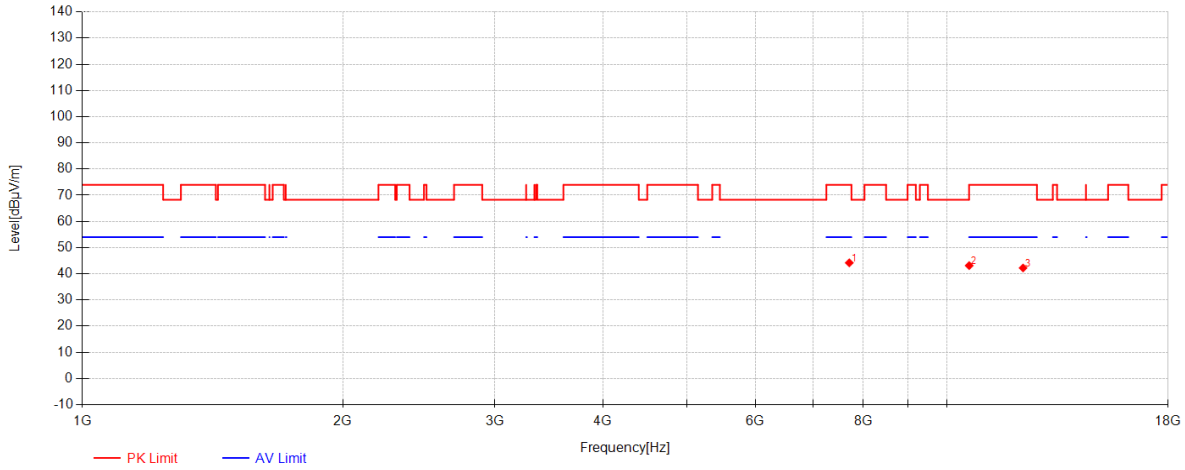
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7093.2083	56.20	35.46	-43.61	48.05	68.30	20.25	Horizontal
2	8547.4792	46.99	36.53	-41.37	42.15	68.30	26.15	Horizontal
3	11141.687	41.64	38.71	-37.27	43.08	74.00	30.92	Horizontal

802.11n20_Channel 64



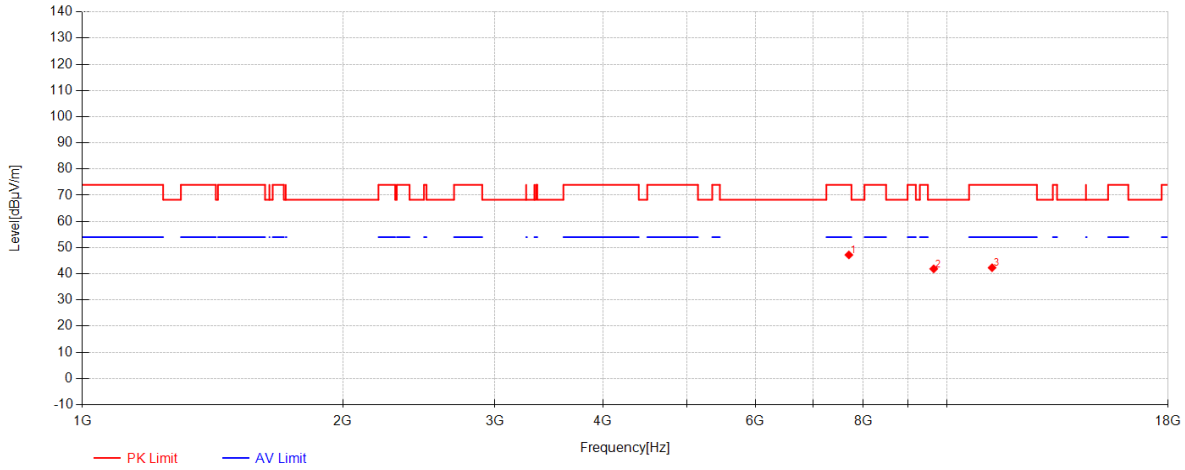
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7093.2083	57.03	35.46	-43.61	48.88	68.30	19.42	Vertical
2	10098.541	43.47	38.25	-38.71	43.01	68.30	25.29	Vertical
3	12886.812	41.07	39.07	-36.84	43.30	68.30	25.00	Vertical

802.11n20_Channel 100



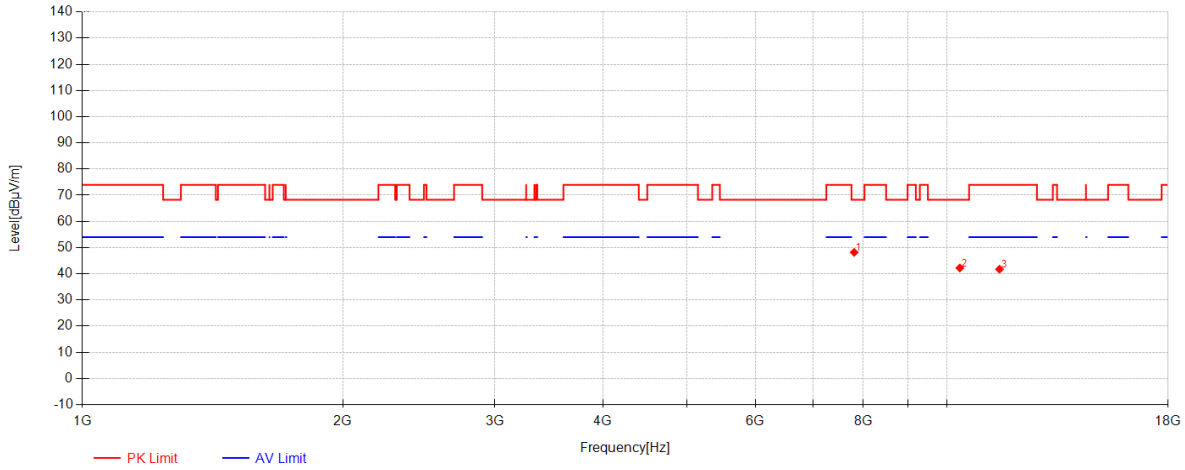
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7706.0625	50.43	36.68	-42.93	44.18	74.00	29.82	Horizontal
2	10603.583	42.61	38.50	-37.99	43.12	74.00	30.88	Horizontal
3	12239.937	40.28	38.87	-36.92	42.23	74.00	31.77	Horizontal

802.11n20_Channel 100



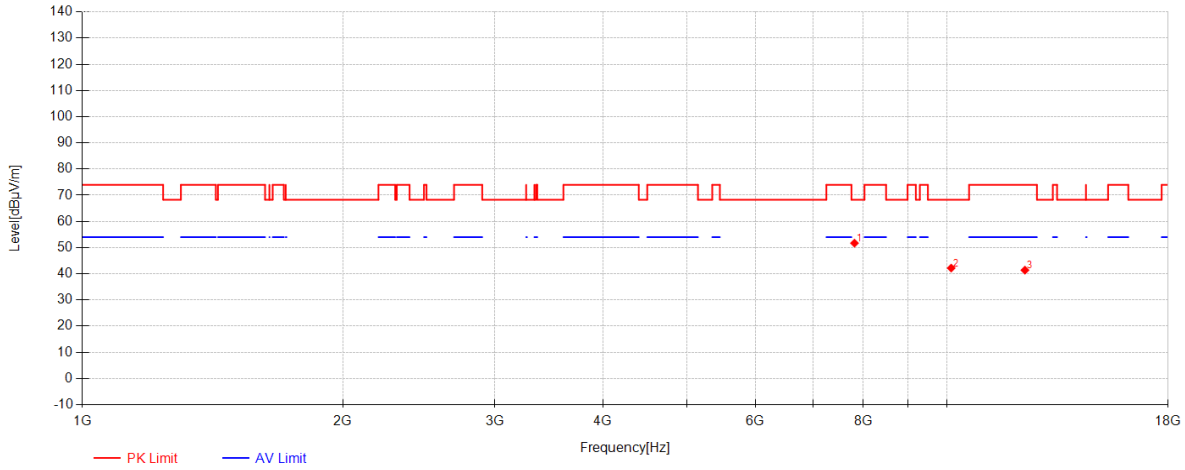
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7697.9167	53.48	36.68	-42.95	47.21	74.00	26.79	Vertical
2	9648.125	43.69	37.53	-39.33	41.89	68.30	26.41	Vertical
3	11270.104	40.62	38.73	-37.04	42.31	74.00	31.69	Vertical

802.11n20_Channel 116



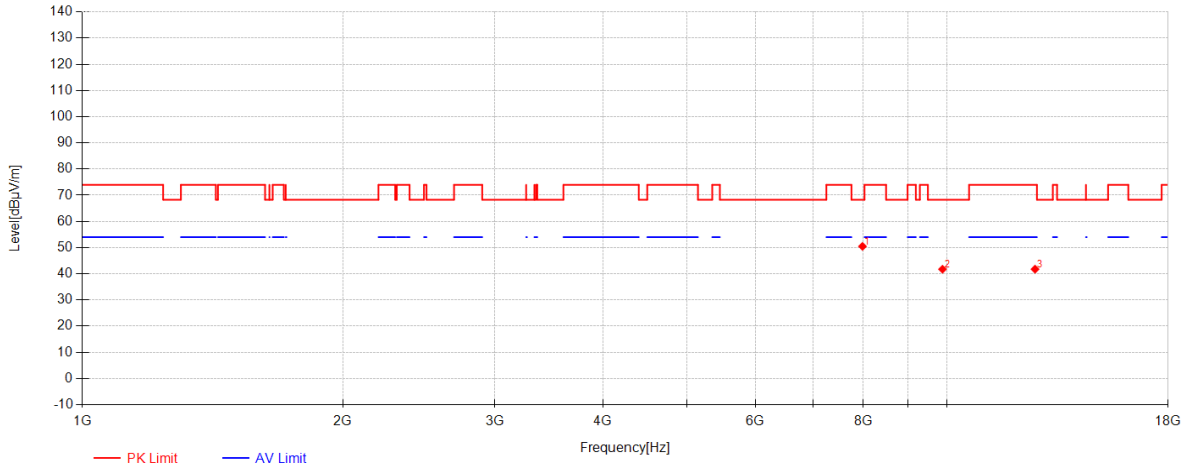
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7806.2083	54.05	36.72	-42.59	48.18	68.30	20.12	Horizontal
2	10341.958	42.71	38.37	-38.87	42.22	68.30	26.08	Horizontal
3	11494.833	39.57	38.75	-36.56	41.76	74.00	32.24	Horizontal

802.11n20_Channel 116



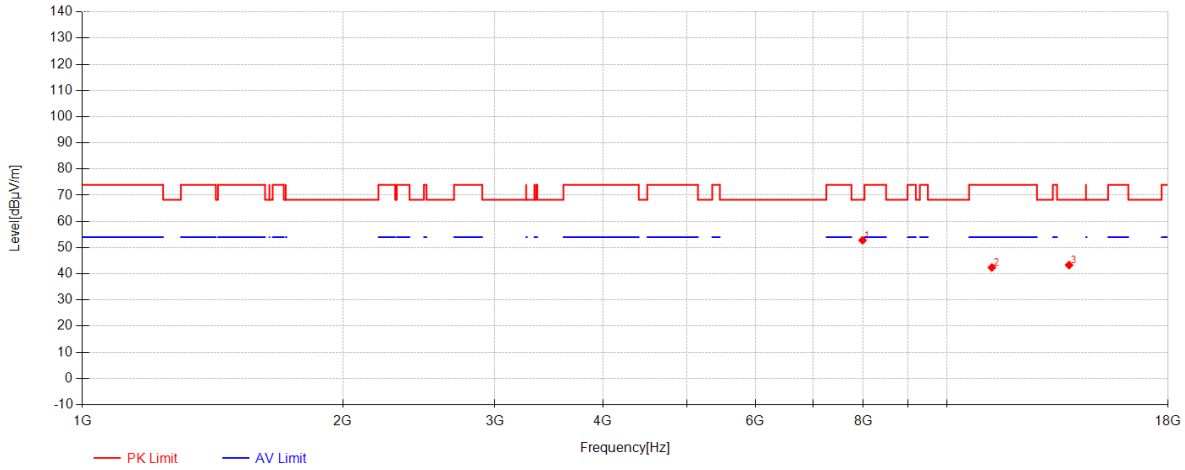
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7813.3958	57.58	36.73	-42.60	51.70	68.30	16.60	Vertical
2	10107.645	42.68	38.25	-38.74	42.19	68.30	26.11	Vertical
3	12299.833	39.14	38.89	-36.64	41.39	74.00	32.61	Vertical

802.11n20_Channel 140



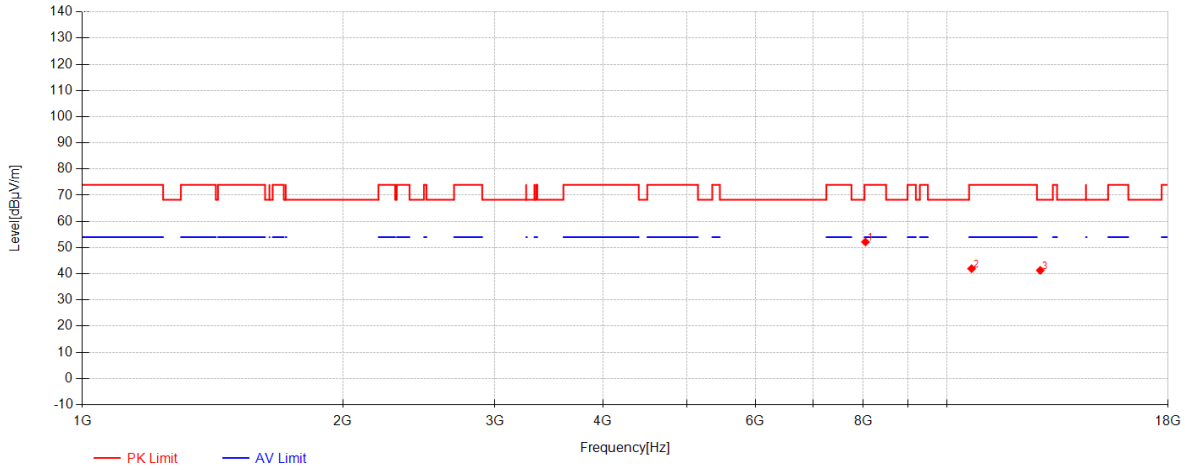
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7981.5833	55.92	36.79	-42.24	50.47	68.30	17.83	Horizontal
2	9876.6875	42.94	37.97	-39.17	41.74	68.30	26.56	Horizontal
3	12635.729	39.84	38.99	-37.07	41.76	74.00	32.24	Horizontal

802.11n20_Channel 140



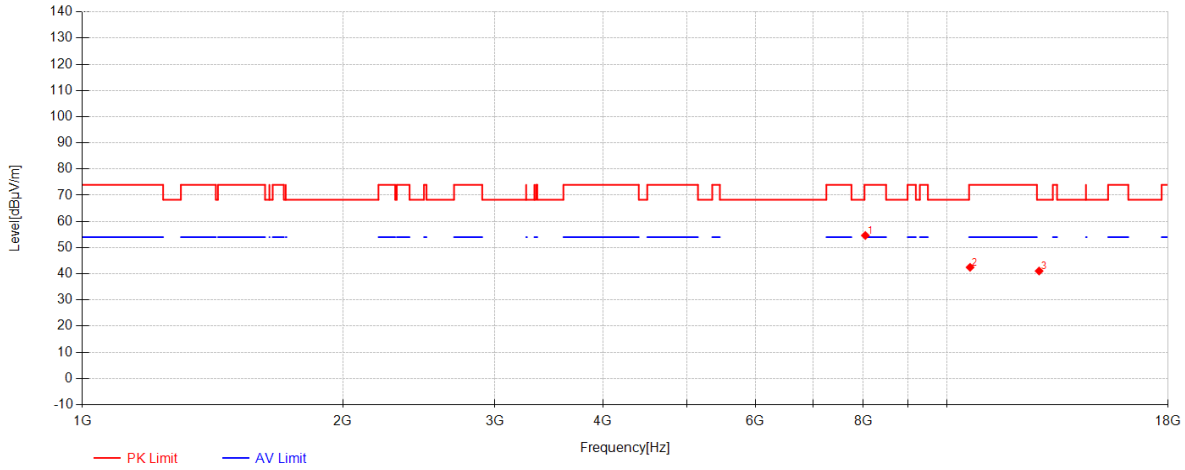
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7983.5	58.24	36.79	-42.23	52.80	68.30	15.50	Vertical
2	11264.354	40.68	38.73	-37.01	42.40	74.00	31.60	Vertical
3	13836.041	38.71	40.60	-36.00	43.31	68.30	24.99	Vertical

802.11n20_Channel 149



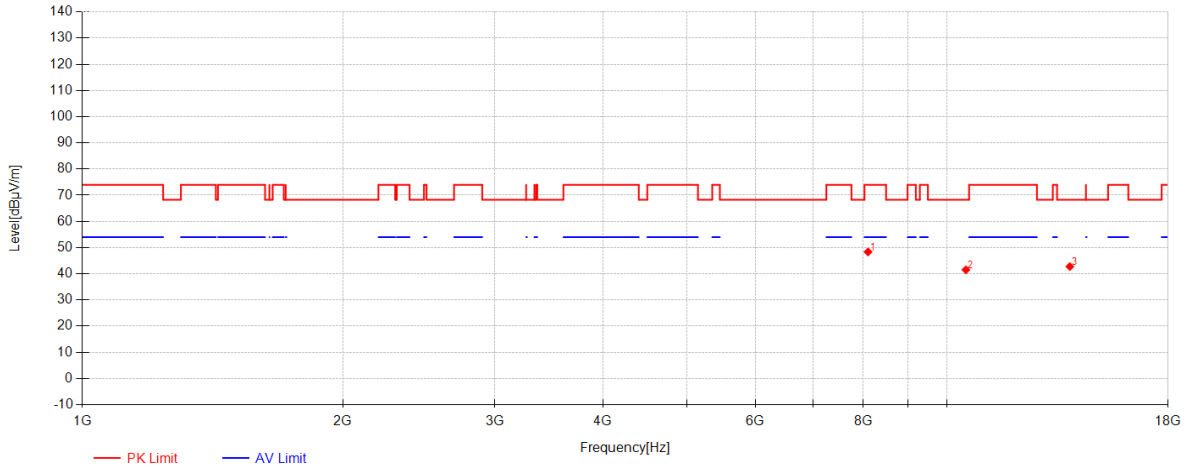
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8044.8333	57.15	36.78	-41.78	52.15	74.00	21.85	Horizontal
2	10672.104	41.05	38.54	-37.64	41.95	74.00	32.05	Horizontal
3	12812.541	38.92	39.04	-36.65	41.31	68.30	26.99	Horizontal

802.11n20_Channel 149



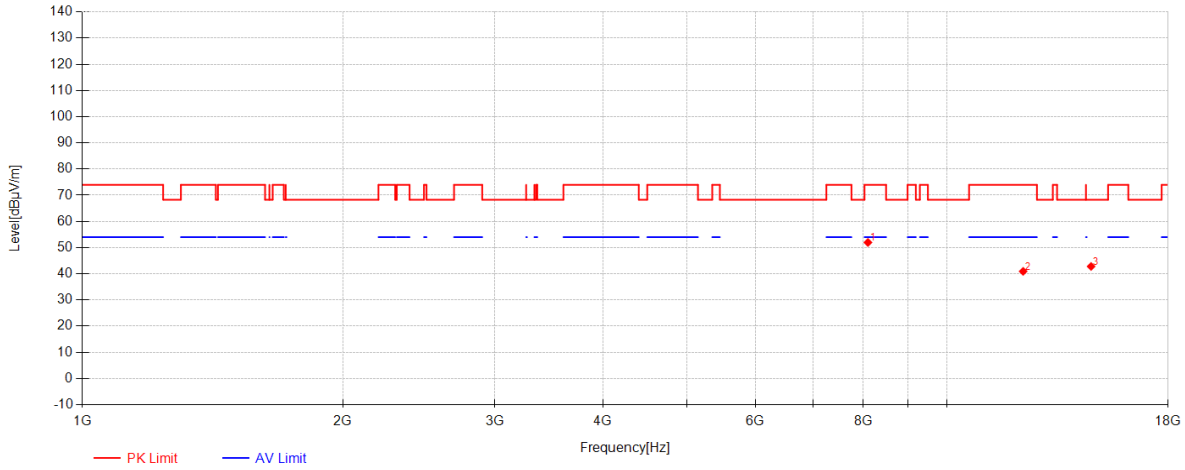
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8041.4792	59.65	36.78	-41.80	54.63	74.00	19.37	Vertical
2	10628.979	41.80	38.51	-37.86	42.46	74.00	31.54	Vertical
3	12774.687	38.70	39.03	-36.67	41.06	68.30	27.24	Vertical

802.11n20_Channel 157



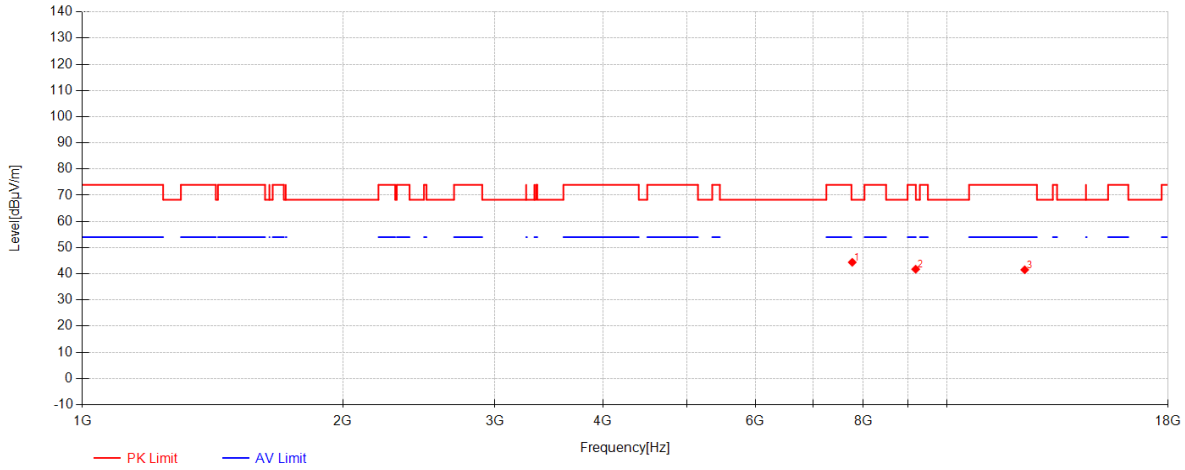
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8100.4167	52.94	36.75	-41.34	48.35	74.00	25.65	Horizontal
2	10510.625	41.74	38.46	-38.68	41.51	68.30	26.79	Horizontal
3	13862.875	37.93	40.65	-35.82	42.76	68.30	25.54	Horizontal

802.11n20_Channel 157



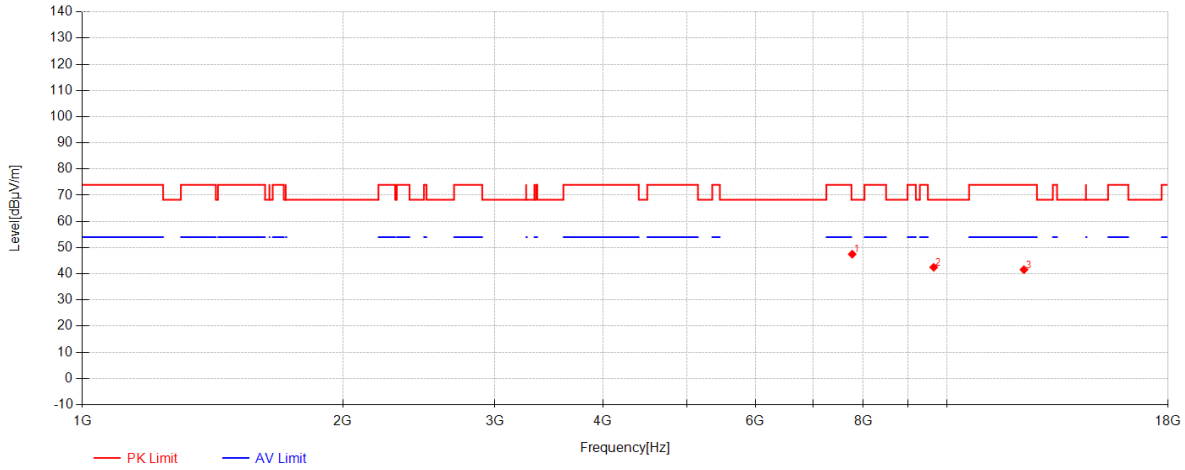
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8097.5417	56.58	36.75	-41.36	51.97	74.00	22.03	Vertical
2	12242.333	38.97	38.87	-36.91	40.93	74.00	33.07	Vertical
3	14670.270	36.57	41.17	-34.94	42.80	68.30	25.50	Vertical

802.11n20_Channel 165



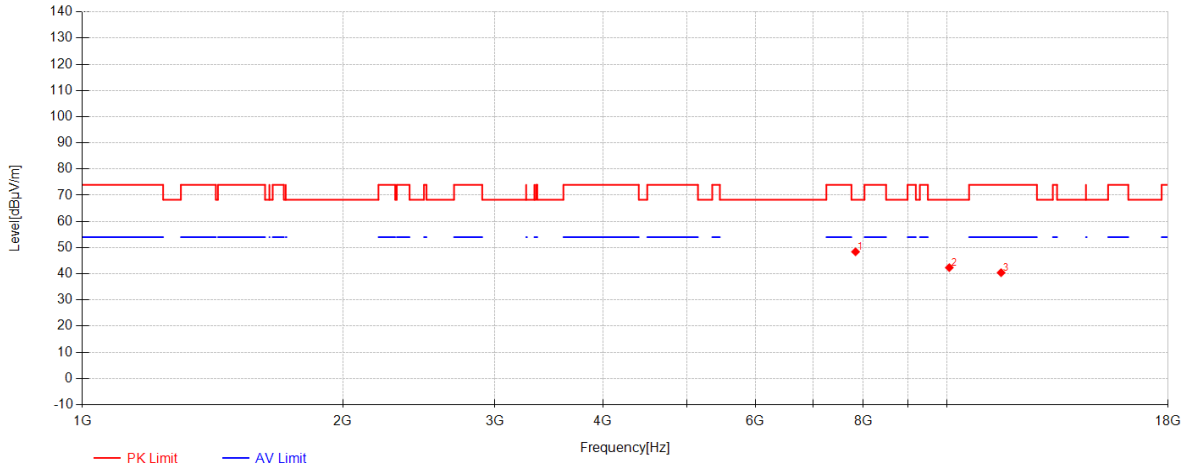
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7766.9167	50.39	36.71	-42.70	44.39	68.30	23.91	Horizontal
2	9195.3125	45.05	36.67	-39.97	41.75	74.00	32.25	Horizontal
3	12293.125	39.30	38.89	-36.67	41.52	74.00	32.48	Horizontal

802.11n20_Channel 165



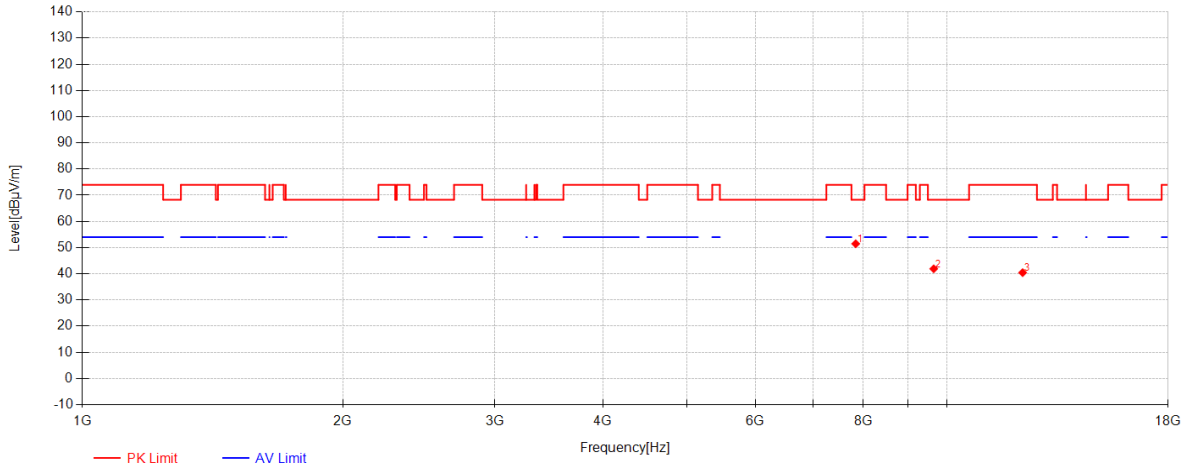
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7766.4375	53.49	36.71	-42.70	47.49	68.30	20.81	Vertical
2	9648.125	44.27	37.53	-39.33	42.47	68.30	25.83	Vertical
3	12268.208	39.48	38.88	-36.79	41.57	74.00	32.43	Vertical

802.11n20_Channel 120



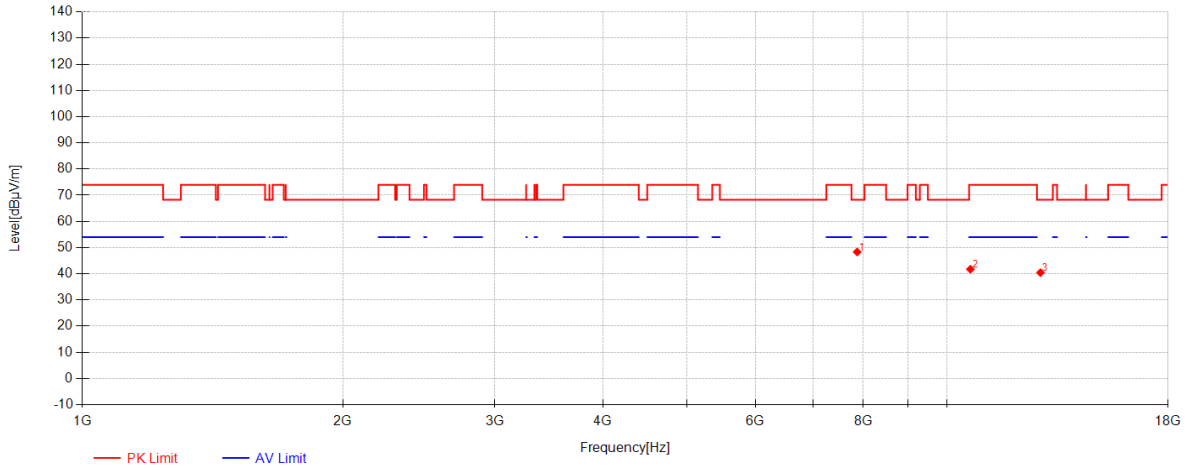
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7835.4375	54.30	36.73	-42.64	48.40	68.30	19.90	Horizontal
2	10057.333	43.12	38.23	-38.99	42.36	68.30	25.94	Horizontal
3	11545.145	38.39	38.75	-36.72	40.42	74.00	33.58	Horizontal

802.11n20_Channel 120



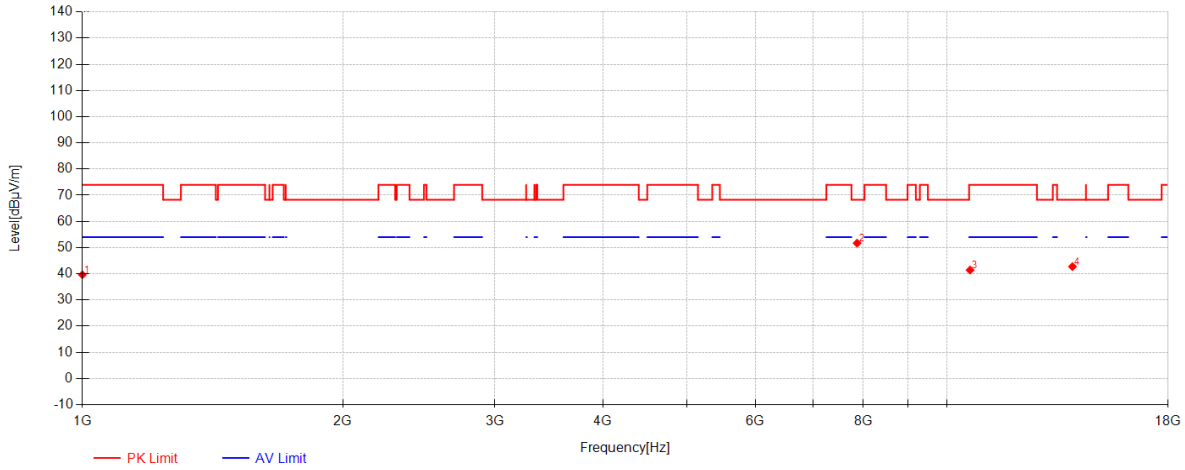
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7838.7917	57.38	36.74	-42.64	51.47	68.30	16.83	Vertical
2	9648.6042	43.71	37.53	-39.34	41.91	68.30	26.39	Vertical
3	12225.562	38.55	38.87	-36.99	40.43	74.00	33.57	Vertical

802.11n20_Channel 124



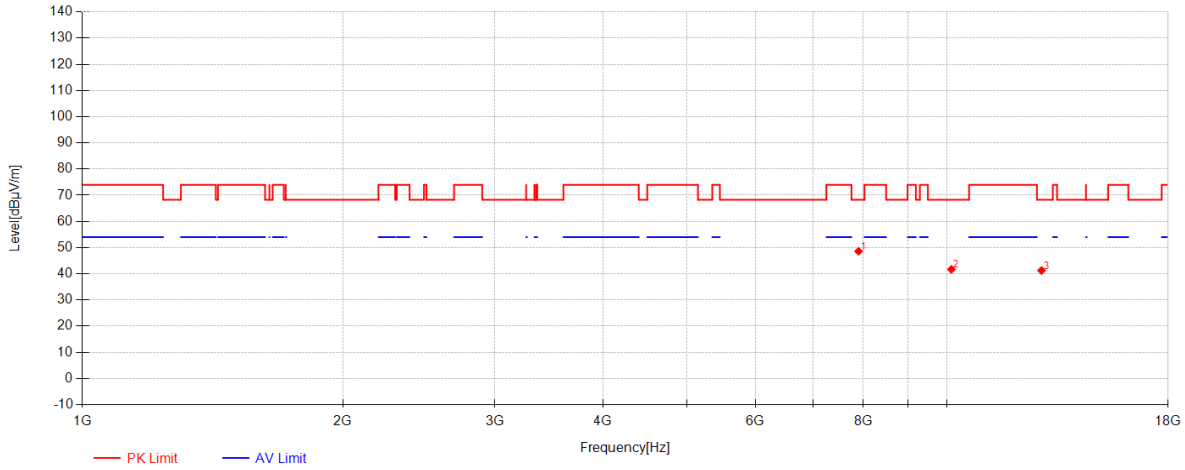
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7868.9792	54.27	36.75	-42.69	48.33	68.30	19.97	Horizontal
2	10637.604	41.04	38.52	-37.81	41.74	74.00	32.26	Horizontal
3	12818.770	38.04	39.05	-36.67	40.42	68.30	27.88	Horizontal

802.11n20_Channel 124



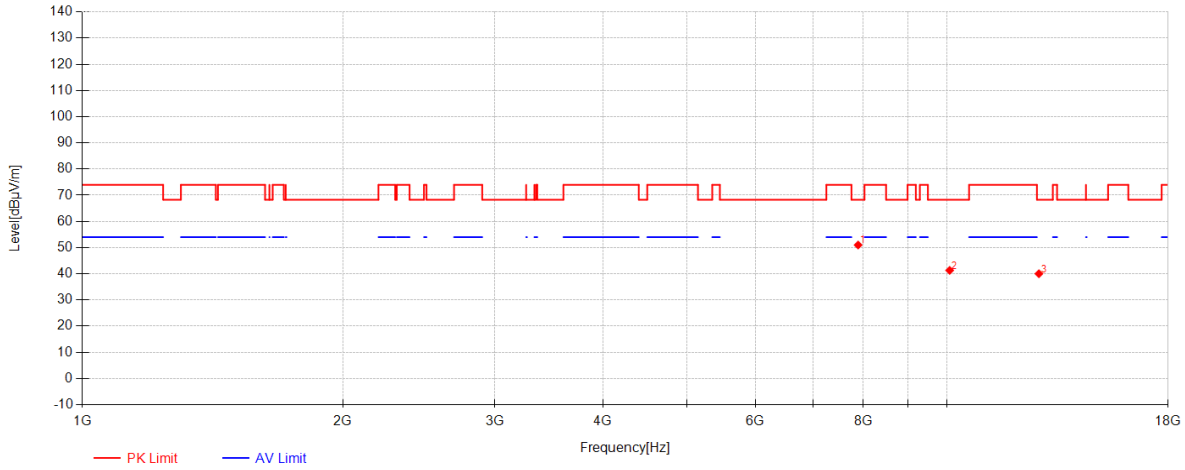
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	1000	38.29	25.30	-23.97	39.62	74.00	34.38	Vertical
2	7867.0625	57.64	36.75	-42.69	51.70	68.30	16.60	Vertical
3	10628.979	40.77	38.51	-37.86	41.43	74.00	32.57	Vertical
4	13960.145	37.01	40.83	-35.09	42.74	68.30	25.56	Vertical

802.11n20_Channel 128



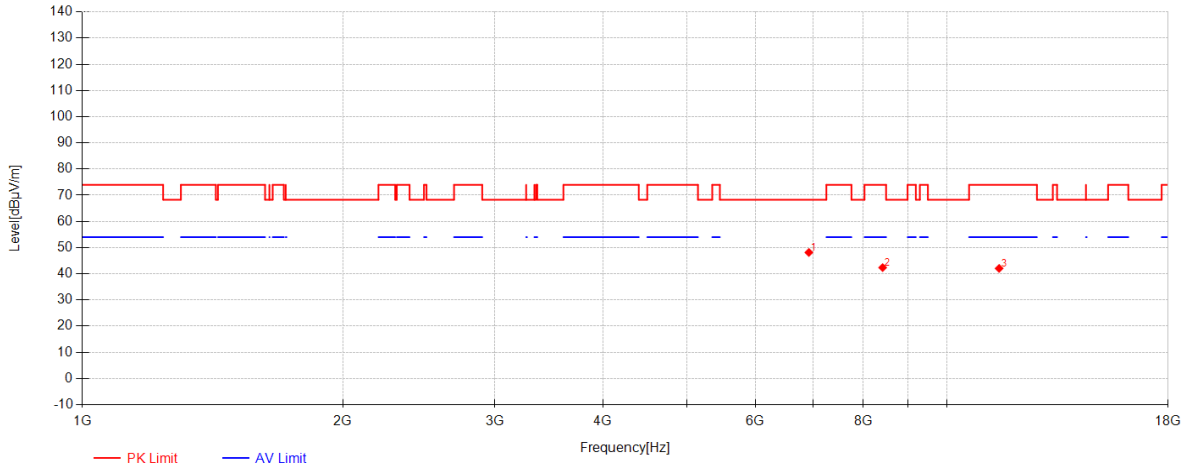
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7898.6875	54.57	36.76	-42.74	48.59	68.30	19.71	Horizontal
2	10112.437	42.21	38.26	-38.77	41.69	68.30	26.61	Horizontal
3	12856.145	38.97	39.06	-36.76	41.27	68.30	27.03	Horizontal

802.11n20_Channel 128



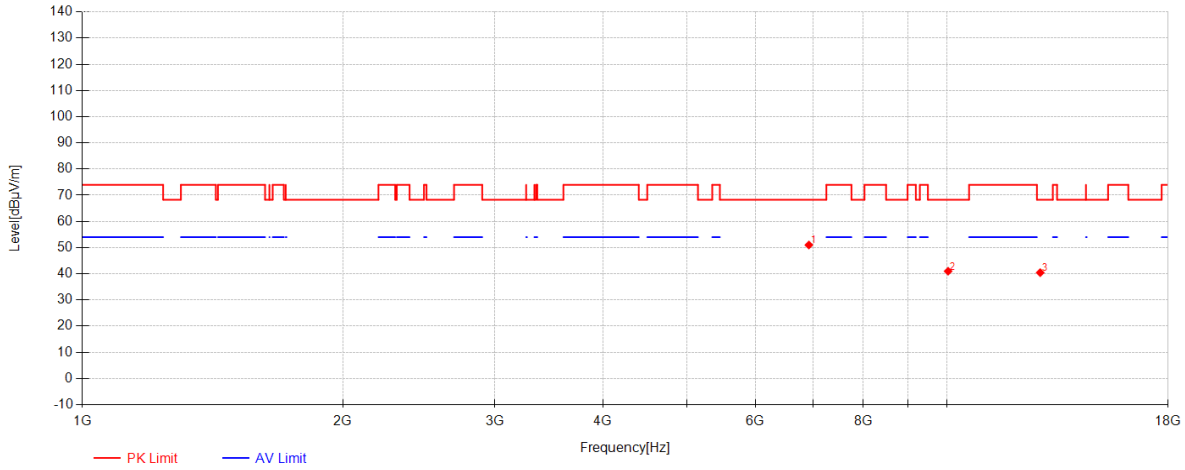
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7889.5833	56.96	36.76	-42.72	50.99	68.30	17.31	Vertical
2	10066.437	42.01	38.23	-38.93	41.31	68.30	26.99	Vertical
3	12766.062	37.67	39.03	-36.69	40.01	68.30	28.29	Vertical

802.11n40_Channel 38



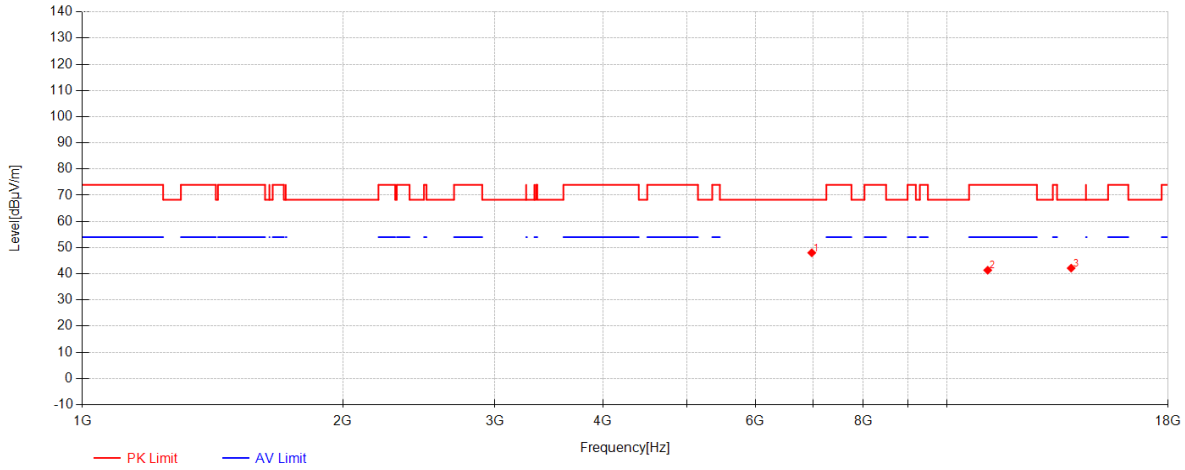
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6920.2292	56.81	35.06	-43.72	48.15	68.30	20.15	Horizontal
2	8421.4583	47.23	36.59	-41.46	42.36	74.00	31.64	Horizontal
3	11483.333	39.99	38.75	-36.68	42.06	74.00	31.94	Horizontal

802.11n40_Channel 38



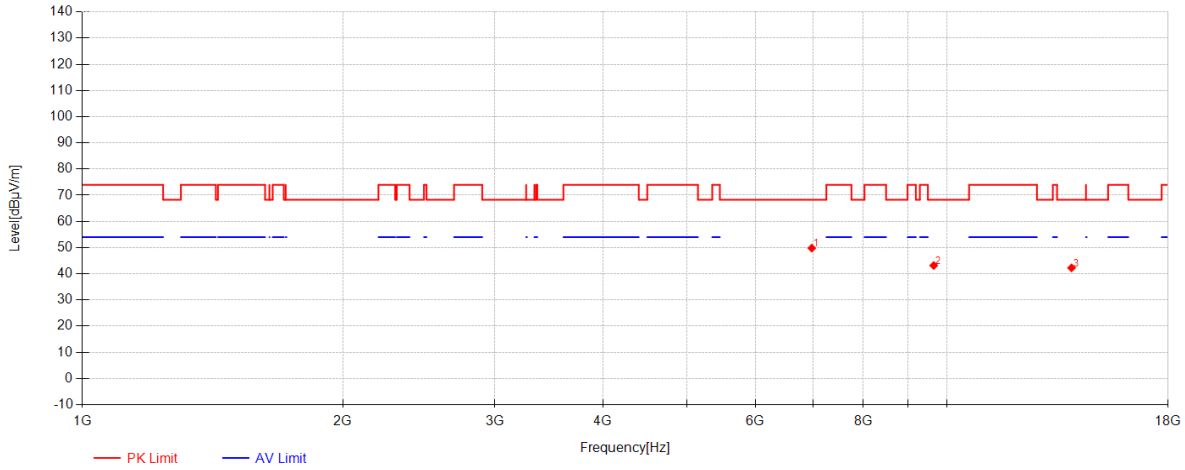
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6920.2292	59.66	35.06	-43.72	51.00	68.30	17.30	Vertical
2	10025.708	41.98	38.21	-39.21	40.99	68.30	27.31	Vertical
3	12812.541	38.05	39.04	-36.65	40.44	68.30	27.86	Vertical

802.11n40_Channel 46



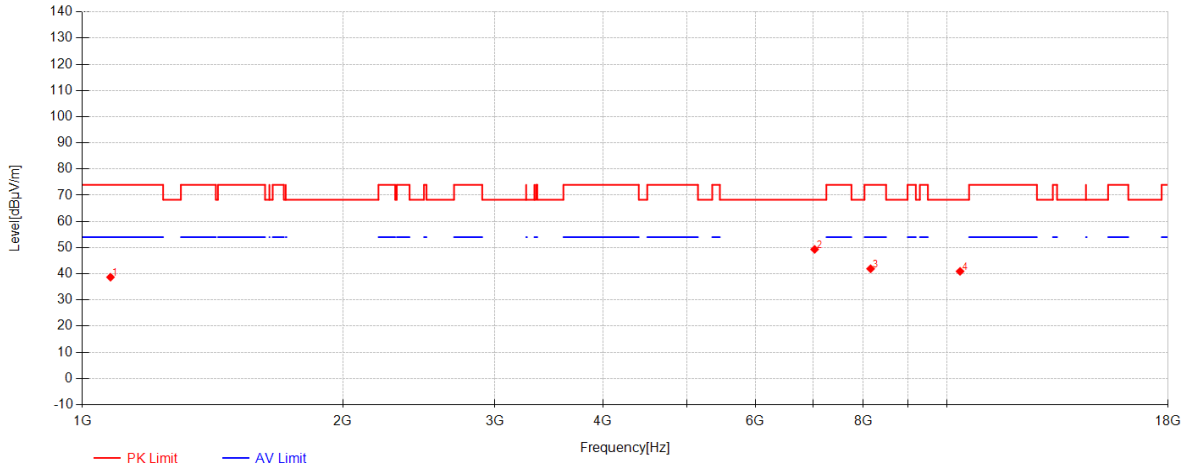
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6973.4167	56.09	35.15	-43.23	48.01	68.30	20.29	Horizontal
2	11140.729	39.93	38.71	-37.28	41.36	74.00	32.64	Horizontal
3	13911.270	36.89	40.74	-35.48	42.15	68.30	26.15	Horizontal

802.11n40_Channel 46



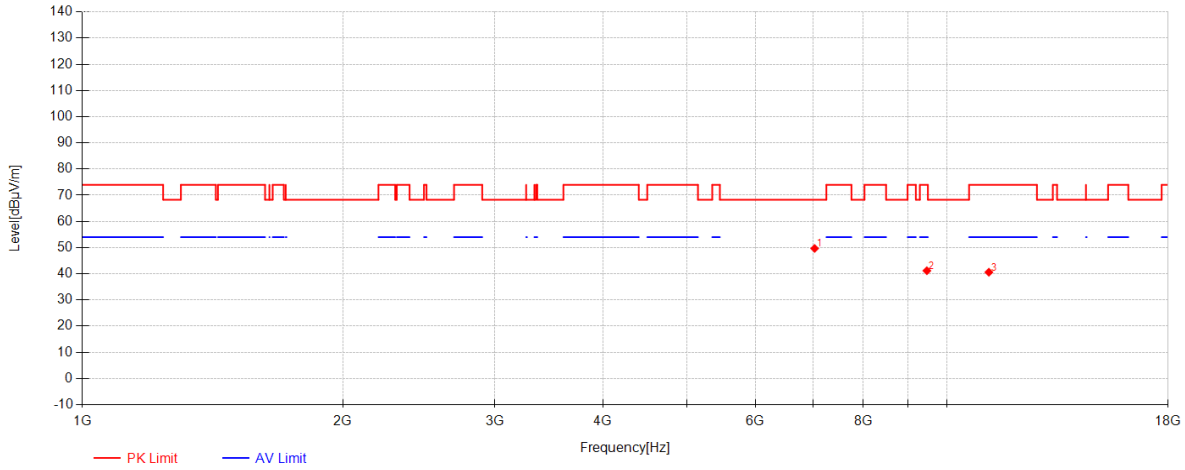
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6973.4167	57.88	35.15	-43.23	49.80	68.30	18.50	Vertical
2	9648.125	44.96	37.53	-39.33	43.16	68.30	25.14	Vertical
3	13925.166	36.86	40.77	-35.37	42.25	68.30	26.05	Vertical

802.11n40_Channel 54



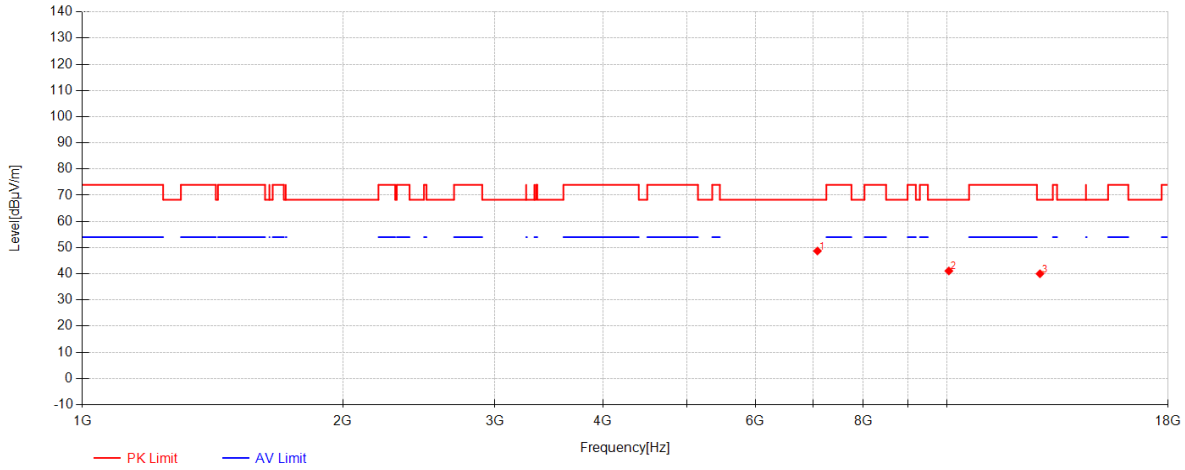
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	1077.8462	38.31	25.26	-24.88	38.69	74.00	35.31	Horizontal
2	7026.6042	57.21	35.27	-43.17	49.32	68.30	18.98	Horizontal
3	8155.5208	46.98	36.72	-41.79	41.91	74.00	32.09	Horizontal
4	10349.145	41.40	38.37	-38.85	40.93	68.30	27.37	Horizontal

802.11n40_Channel 54



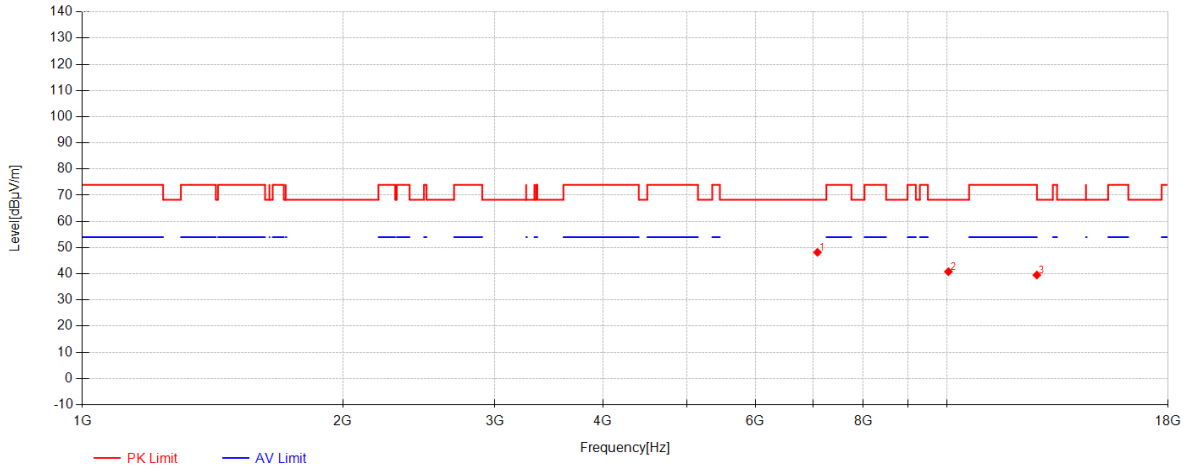
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7026.6042	57.57	35.27	-43.17	49.68	68.30	18.62	Vertical
2	9473.7083	43.92	37.20	-39.95	41.17	74.00	32.83	Vertical
3	11175.708	38.76	38.72	-36.88	40.60	74.00	33.40	Vertical

802.11n40_Channel 62



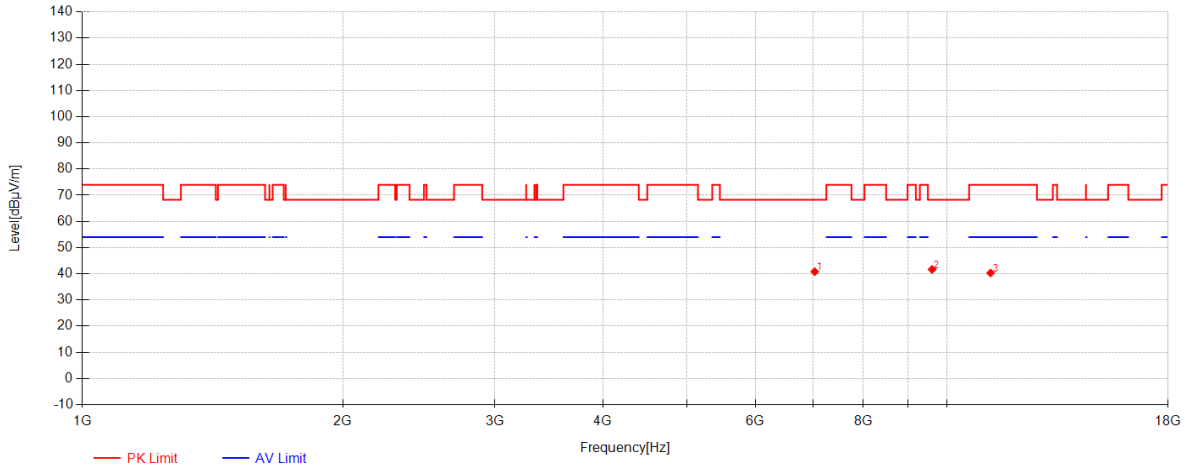
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7079.7917	56.81	35.42	-43.52	48.71	68.30	19.59	Horizontal
2	10044.875	41.93	38.22	-39.07	41.08	68.30	27.22	Horizontal
3	12803.437	37.60	39.04	-36.63	40.01	68.30	28.29	Horizontal

802.11n40_Channel 62



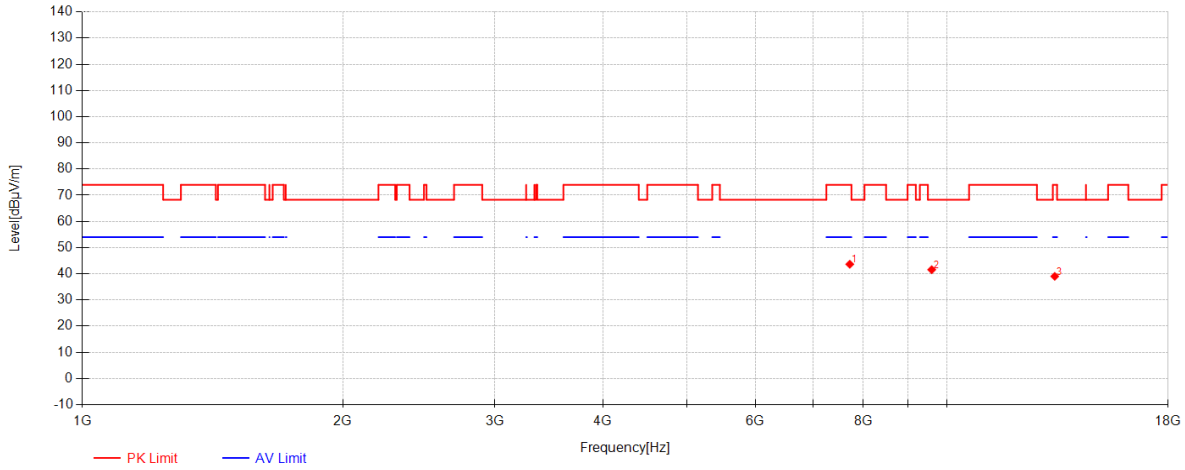
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7079.7917	56.28	35.42	-43.52	48.18	68.30	20.12	Vertical
2	10033.854	41.73	38.22	-39.15	40.80	68.30	27.50	Vertical
3	12698.020	37.35	39.01	-36.84	39.52	74.00	34.48	Vertical

802.11n40_Channel 102



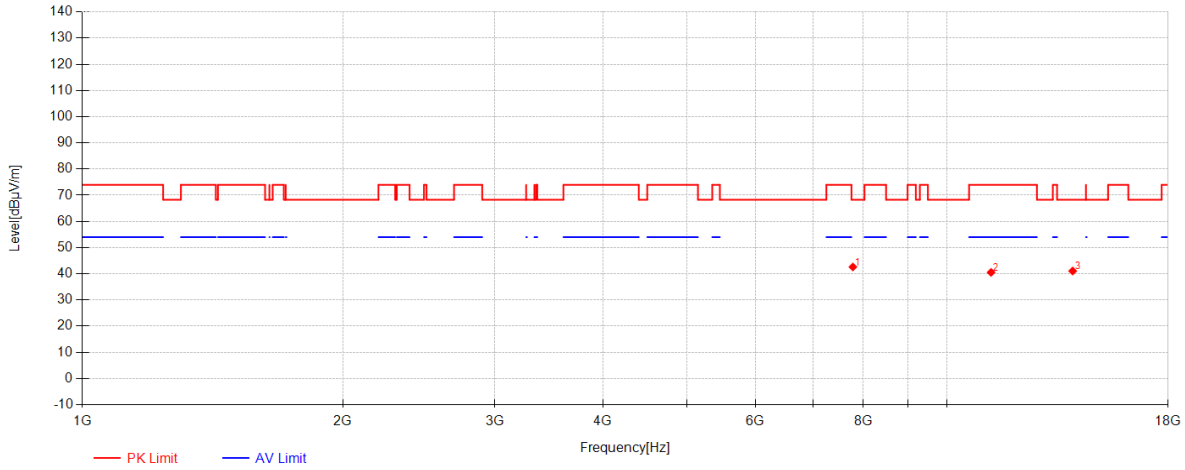
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7029	48.71	35.28	-43.18	40.81	68.30	27.49	Horizontal
2	9606.4375	43.43	37.45	-39.22	41.66	68.30	26.64	Horizontal
3	11225.541	38.35	38.72	-36.76	40.31	74.00	33.69	Horizontal

802.11n40_Channel 102



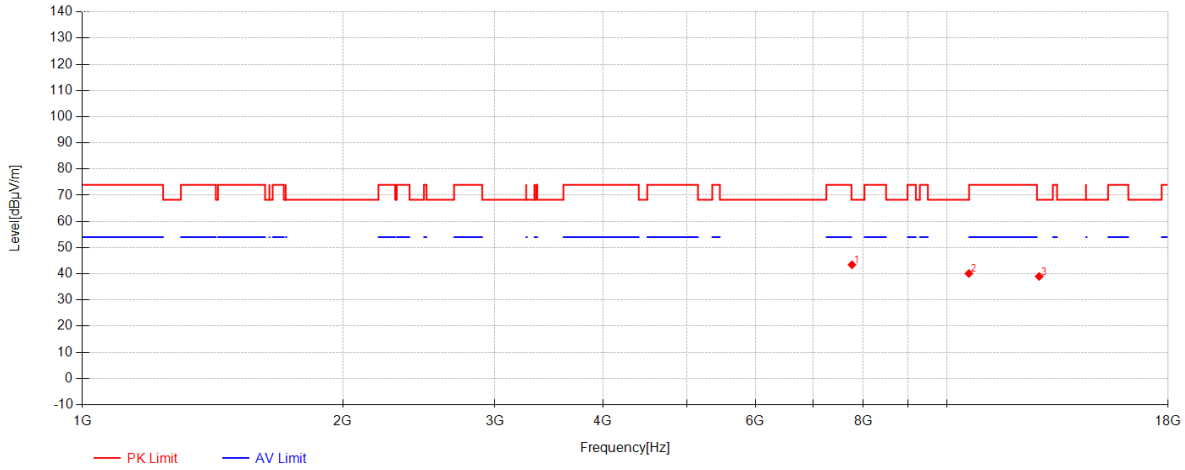
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7715.6458	49.85	36.69	-42.89	43.64	74.00	30.36	Vertical
2	9597.3333	43.35	37.43	-39.22	41.56	68.30	26.74	Vertical
3	13316.145	36.21	39.67	-36.87	39.01	74.00	34.99	Vertical

802.11n40_Channel 110



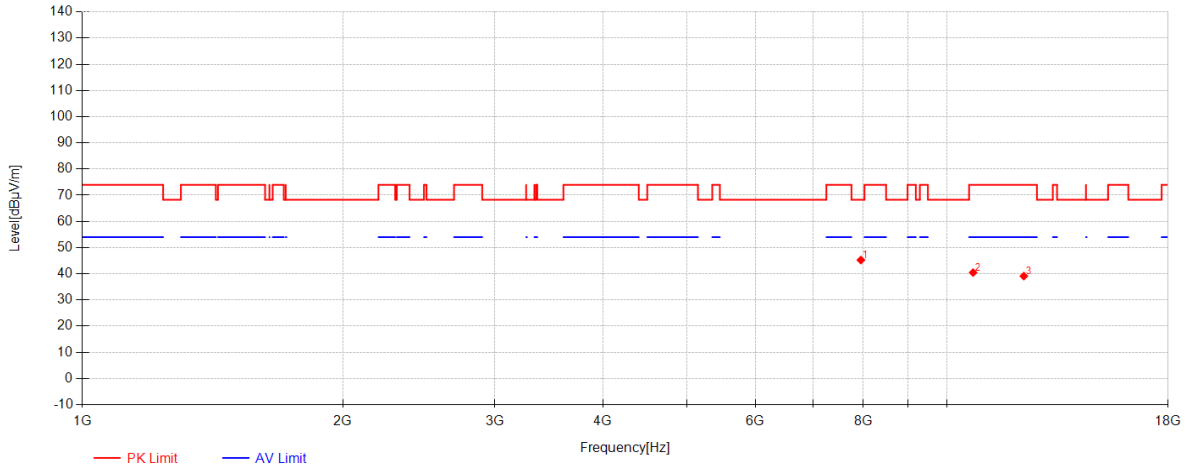
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7780.3333	48.54	36.71	-42.65	42.60	68.30	25.70	Horizontal
2	11240.395	38.66	38.72	-36.85	40.53	74.00	33.47	Horizontal
3	13968.770	35.24	40.84	-35.03	41.06	68.30	27.24	Horizontal

802.11n40_Channel 110



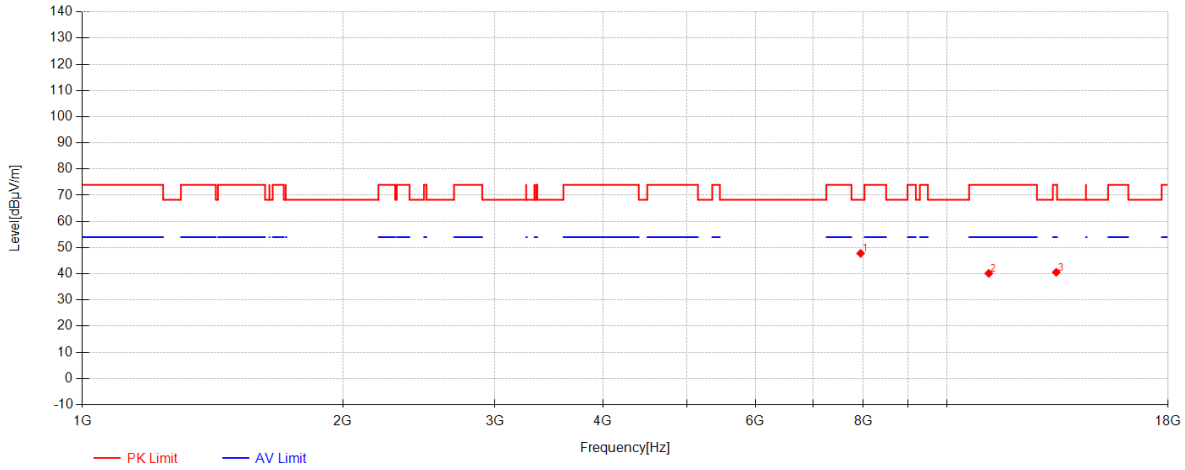
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7760.6875	49.47	36.70	-42.73	43.45	68.30	24.85	Vertical
2	10594.958	39.64	38.50	-38.05	40.09	68.30	28.21	Vertical
3	12774.208	36.63	39.03	-36.67	38.99	68.30	29.31	Vertical

802.11n40_Channel 134



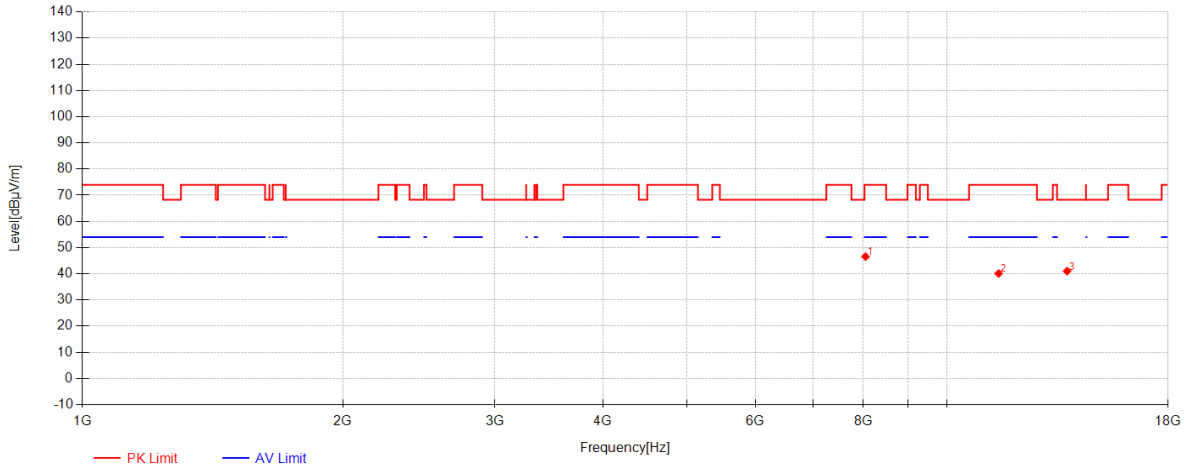
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7947.0833	50.92	36.78	-42.45	45.25	68.30	23.05	Horizontal
2	10715.229	39.54	38.56	-37.64	40.46	74.00	33.54	Horizontal
3	12265.333	37.03	38.88	-36.80	39.11	74.00	34.89	Horizontal

802.11n40_Channel 134



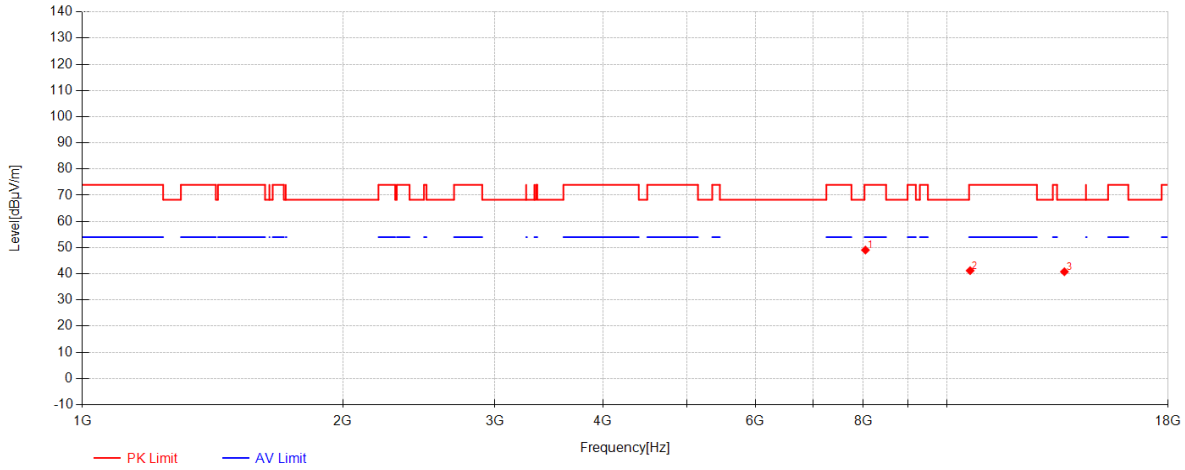
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7941.3333	53.50	36.78	-42.49	47.79	68.30	20.51	Vertical
2	11172.354	38.36	38.72	-36.92	40.16	74.00	33.84	Vertical
3	13370.770	37.16	39.77	-36.35	40.58	74.00	33.42	Vertical

802.11n40_Channel 151



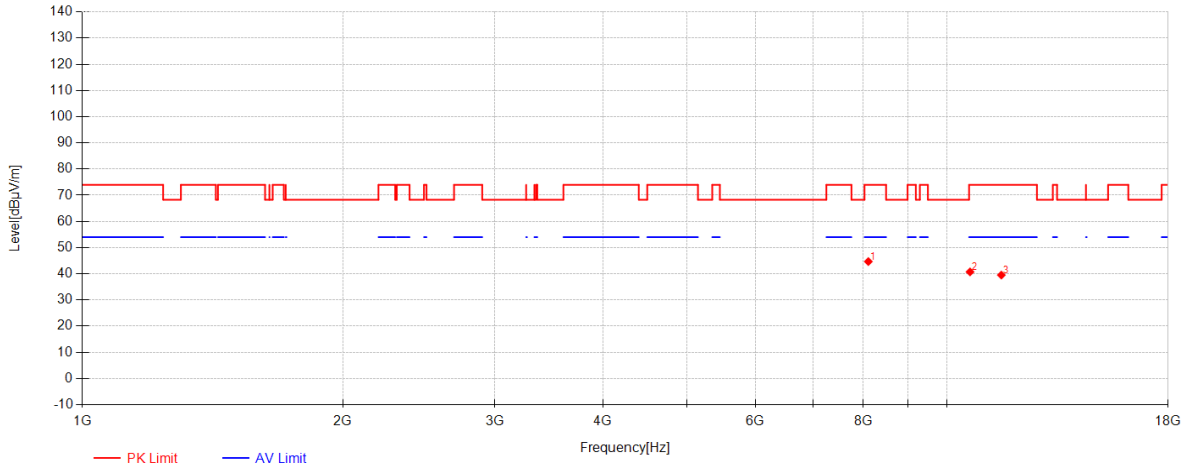
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8046.75	51.53	36.78	-41.76	46.55	74.00	27.45	Horizontal
2	11468.479	38.18	38.75	-36.83	40.10	74.00	33.90	Horizontal
3	13761.291	36.68	40.47	-36.15	41.00	68.30	27.30	Horizontal

802.11n40_Channel 151



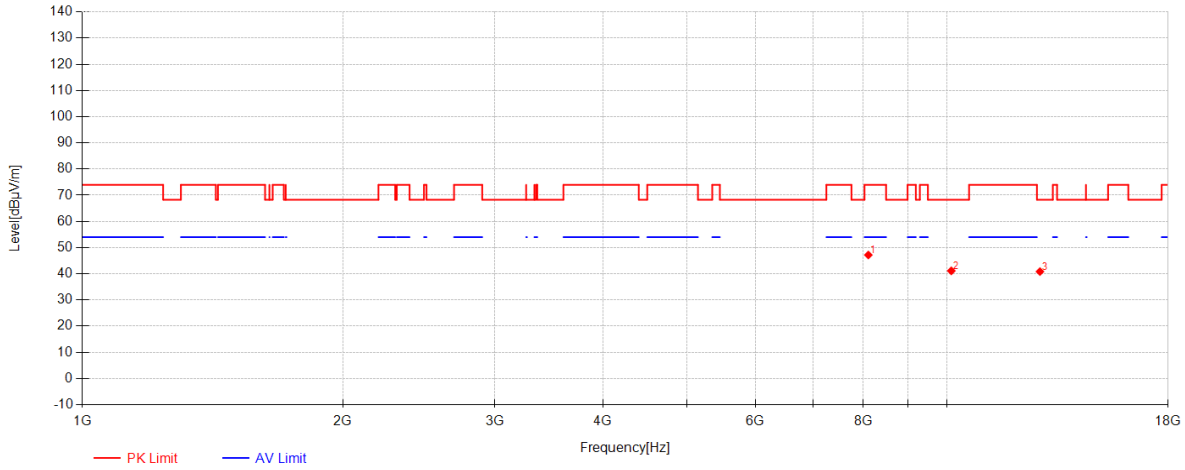
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8045.3125	54.05	36.78	-41.77	49.06	74.00	24.94	Vertical
2	10629.937	40.54	38.51	-37.85	41.20	74.00	32.80	Vertical
3	13662.583	36.50	40.29	-36.01	40.78	68.30	27.52	Vertical

802.11n40_Channel 159



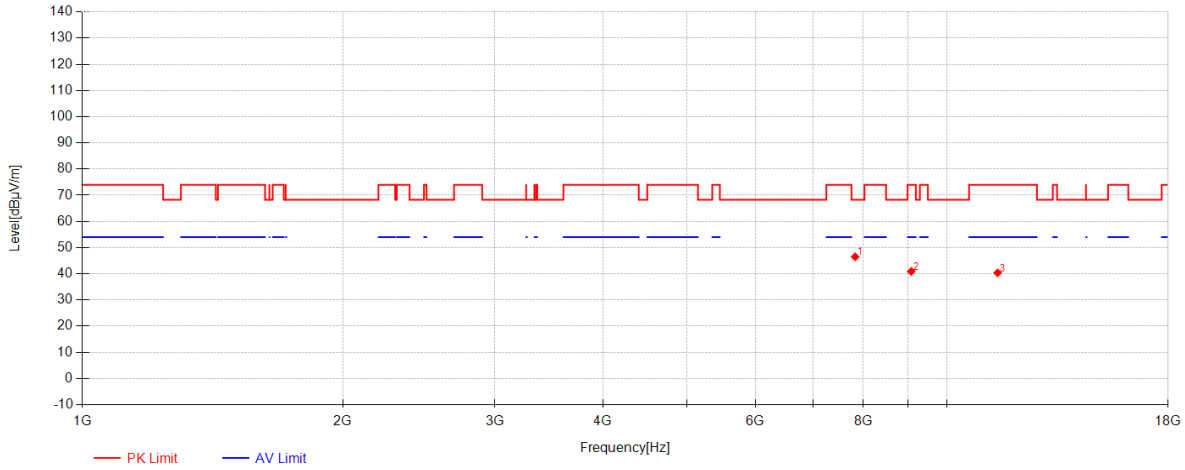
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8106.6458	49.32	36.75	-41.39	44.67	74.00	29.33	Horizontal
2	10628.020	40.07	38.51	-37.86	40.72	74.00	33.28	Horizontal
3	11551.375	37.51	38.76	-36.75	39.51	74.00	34.49	Horizontal

802.11n40_Channel 159



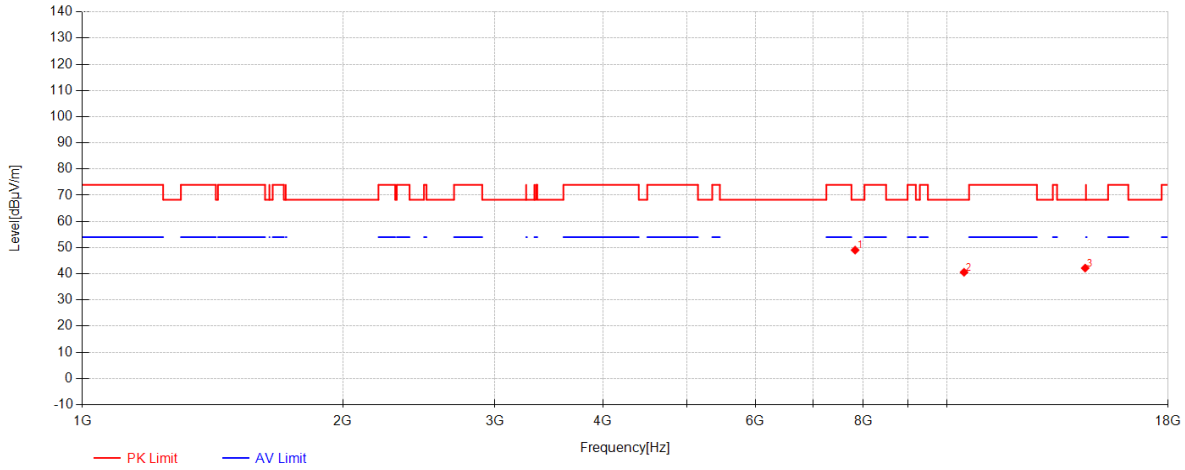
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8107.125	51.83	36.75	-41.40	47.18	74.00	26.82	Vertical
2	10110.520	41.64	38.26	-38.76	41.13	68.30	27.17	Vertical
3	12802.479	38.44	39.04	-36.63	40.85	68.30	27.45	Vertical

802.11n40_Channel 118



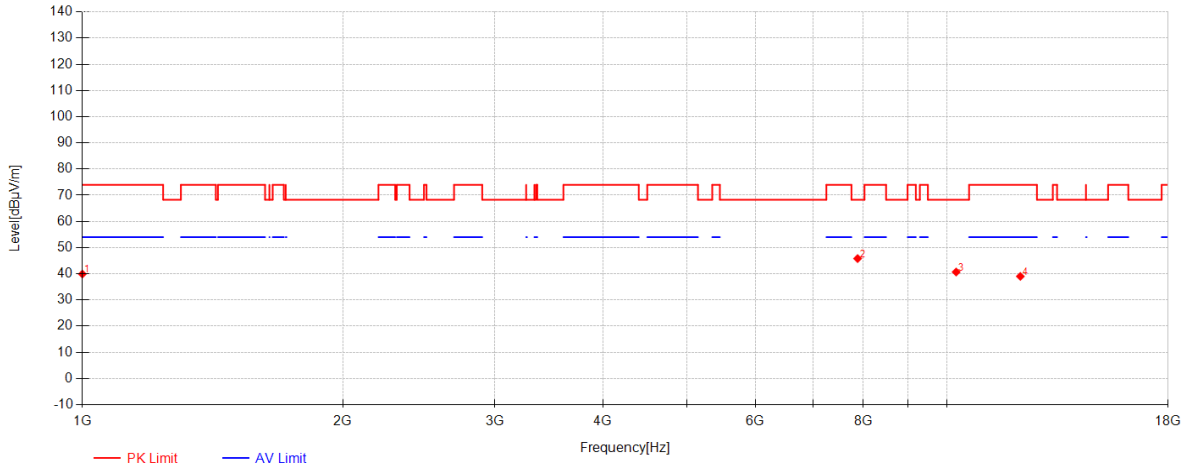
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7827.2917	52.38	36.73	-42.62	46.49	68.30	21.81	Horizontal
2	9087.9792	44.90	36.47	-40.47	40.90	74.00	33.10	Horizontal
3	11437.812	38.74	38.74	-37.13	40.35	74.00	33.65	Horizontal

802.11n40_Channel 118



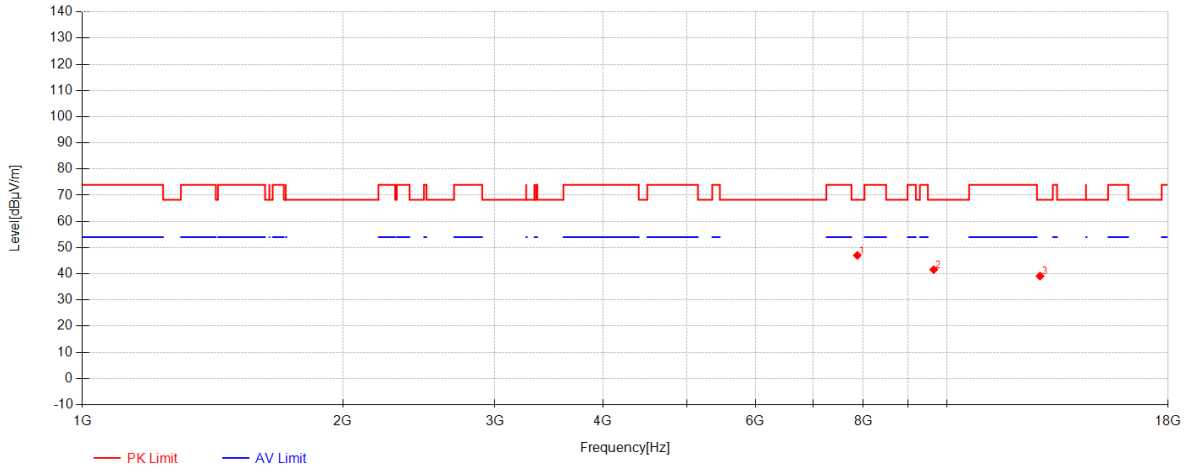
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7827.2917	54.93	36.73	-42.62	49.04	68.30	19.26	Vertical
2	10459.354	40.89	38.43	-38.74	40.58	68.30	27.72	Vertical
3	14440.75	35.84	41.08	-34.73	42.18	68.30	26.12	Vertical

802.11n40_Channel 126



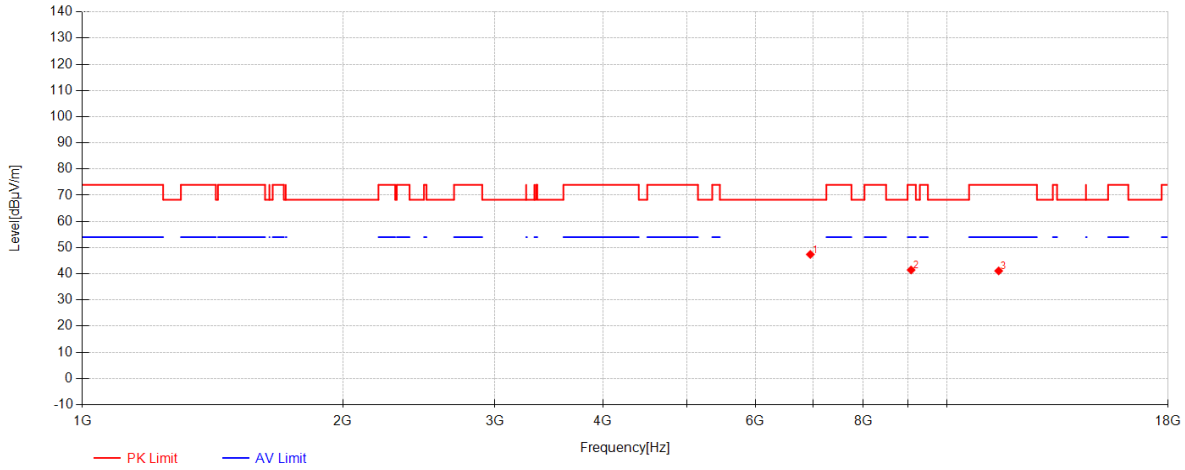
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	1000	38.56	25.30	-23.97	39.89	74.00	34.11	Horizontal
2	7878.0833	51.77	36.75	-42.70	45.82	68.30	22.48	Horizontal
3	10241.812	41.51	38.32	-39.15	40.68	68.30	27.62	Horizontal
4	12150.812	37.30	38.85	-37.15	39.00	74.00	35.00	Horizontal

802.11n40_Channel 126



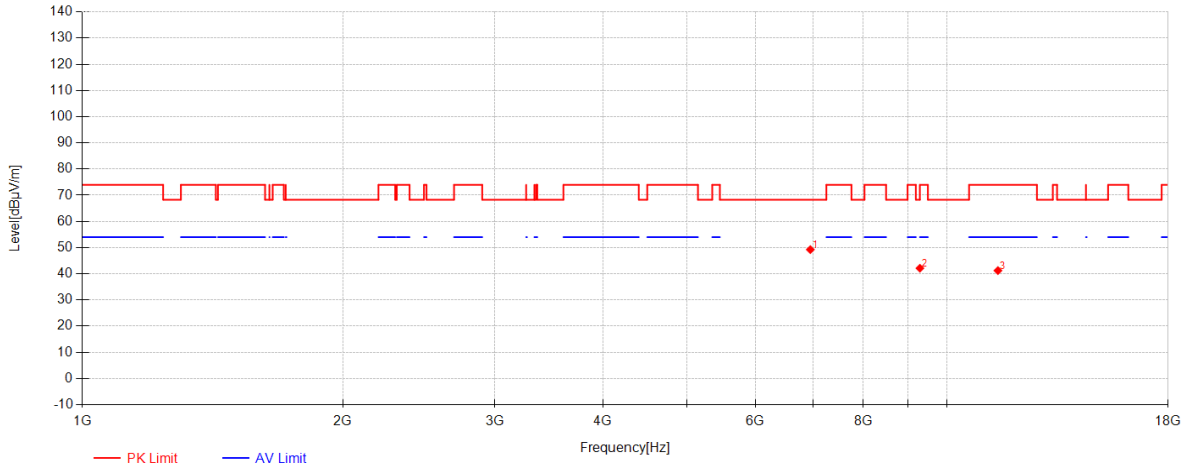
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7872.3333	53.00	36.75	-42.70	47.05	68.30	21.25	Vertical
2	9647.6458	43.37	37.53	-39.33	41.57	68.30	26.73	Vertical
3	12804.395	36.70	39.04	-36.63	39.11	68.30	29.19	Vertical

802.11ac80_Channel 42



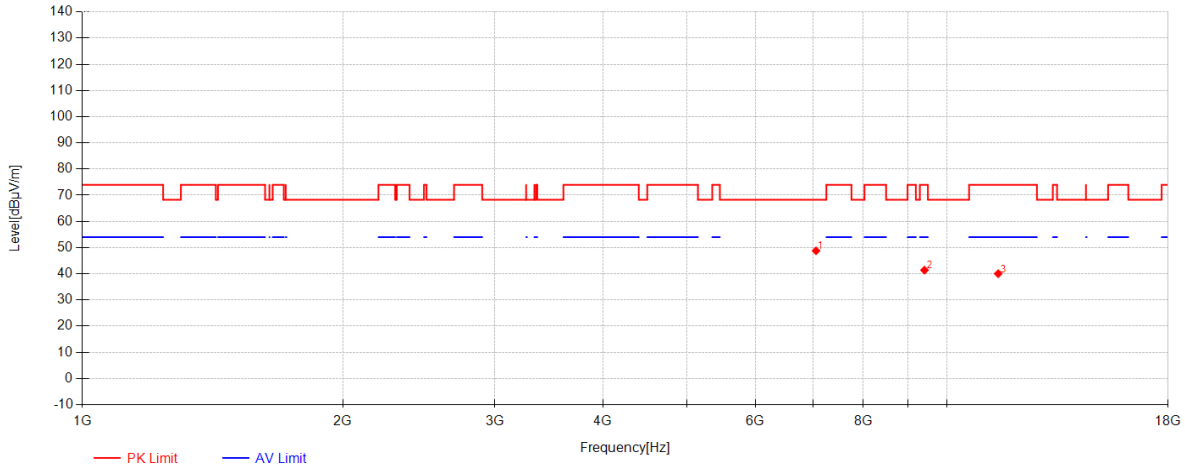
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6946.5833	55.77	35.10	-43.48	47.40	68.30	20.90	Horizontal
2	9084.1458	45.47	36.46	-40.48	41.45	74.00	32.55	Horizontal
3	11469.916	39.16	38.75	-36.81	41.10	74.00	32.90	Horizontal

802.11ac80_Channel 42



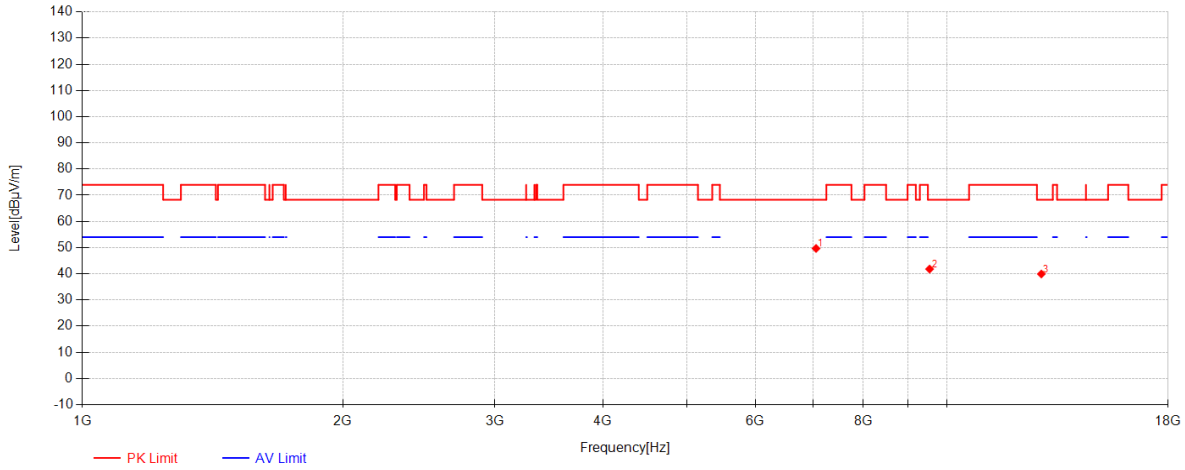
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6946.5833	57.61	35.10	-43.48	49.24	68.30	19.06	Vertical
2	9299.7708	45.33	36.87	-40.07	42.13	68.30	26.17	Vertical
3	11447.395	39.52	38.74	-37.04	41.23	74.00	32.77	Vertical

802.11ac80_Channel 58



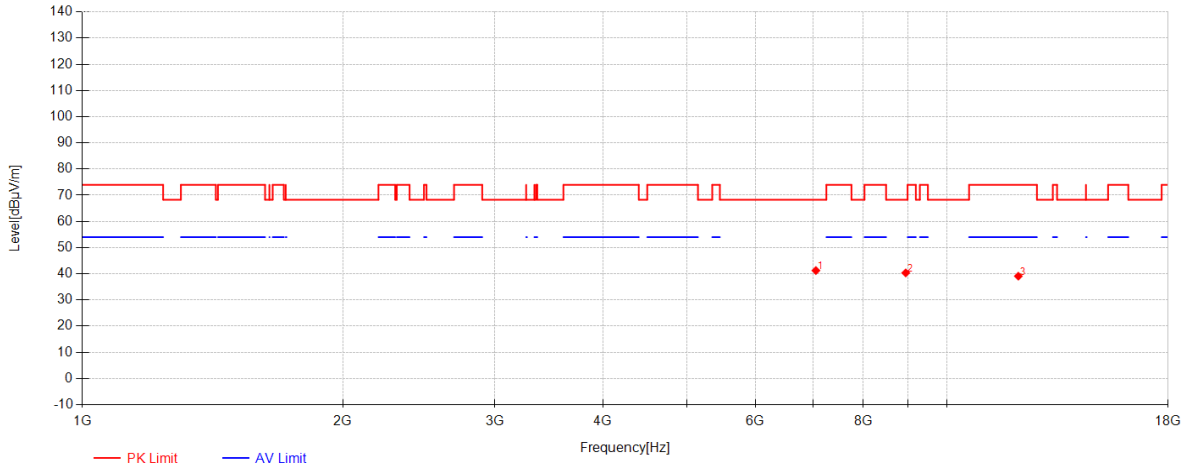
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7053.4375	56.78	35.35	-43.35	48.78	68.30	19.52	Horizontal
2	9413.8125	44.23	37.09	-39.93	41.39	74.00	32.61	Horizontal
3	11455.062	38.25	38.75	-36.96	40.04	74.00	33.96	Horizontal

802.11ac80_Channel 58



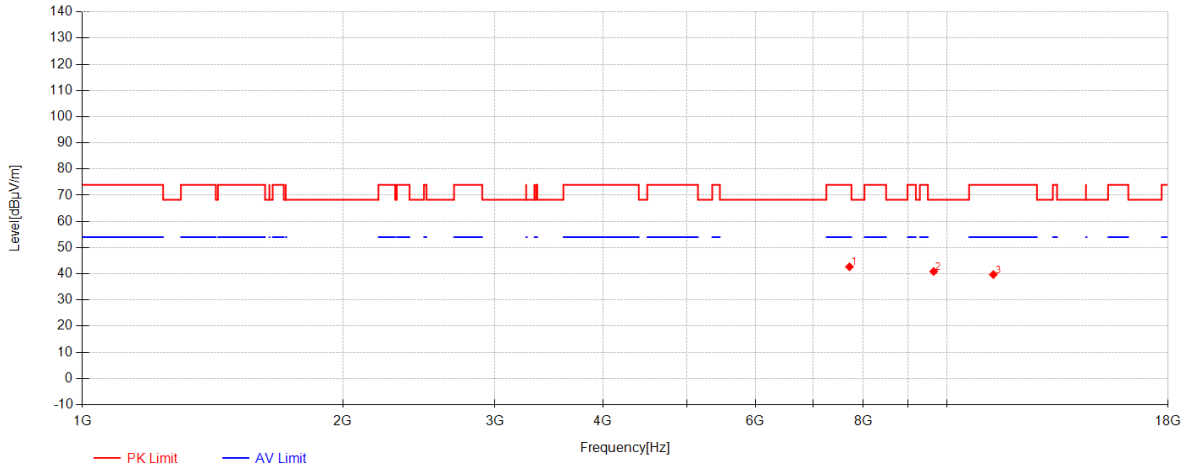
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7053.4375	57.68	35.35	-43.35	49.68	68.30	18.62	Vertical
2	9543.1875	44.10	37.33	-39.63	41.80	68.30	26.50	Vertical
3	12849.916	37.61	39.05	-36.74	39.92	68.30	28.38	Vertical

802.11ac80_Channel 106



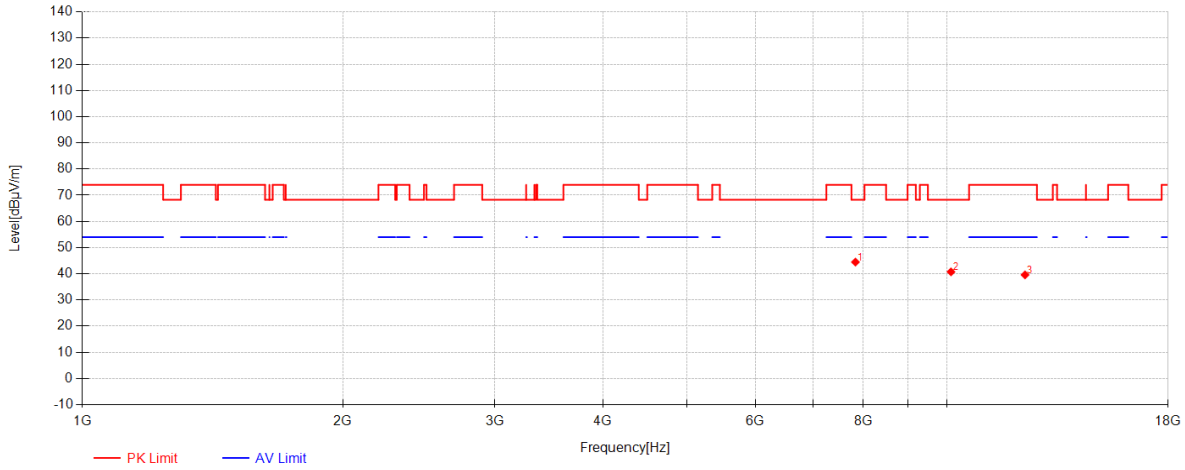
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7050.0833	49.24	35.34	-43.33	41.25	68.30	27.05	Horizontal
2	8955.25	44.91	36.32	-40.89	40.34	68.30	27.96	Horizontal
3	12086.604	37.44	38.83	-37.19	39.08	74.00	34.92	Horizontal

802.11ac80_Channel 106



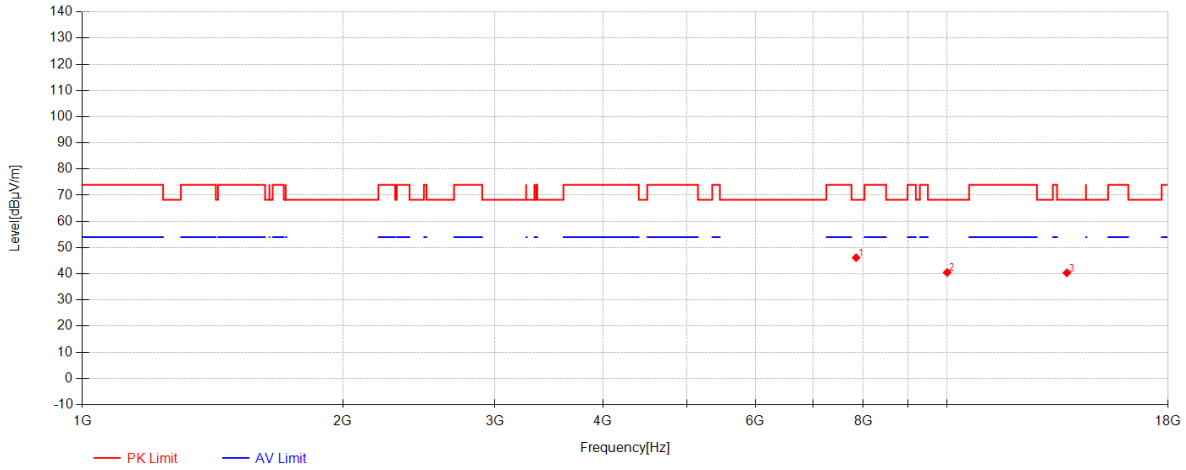
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7709.8958	48.91	36.68	-42.91	42.68	74.00	31.32	Vertical
2	9648.125	42.69	37.53	-39.33	40.89	68.30	27.41	Vertical
3	11307.479	38.21	38.73	-37.25	39.69	74.00	34.31	Vertical

802.11ac80_Channel 122



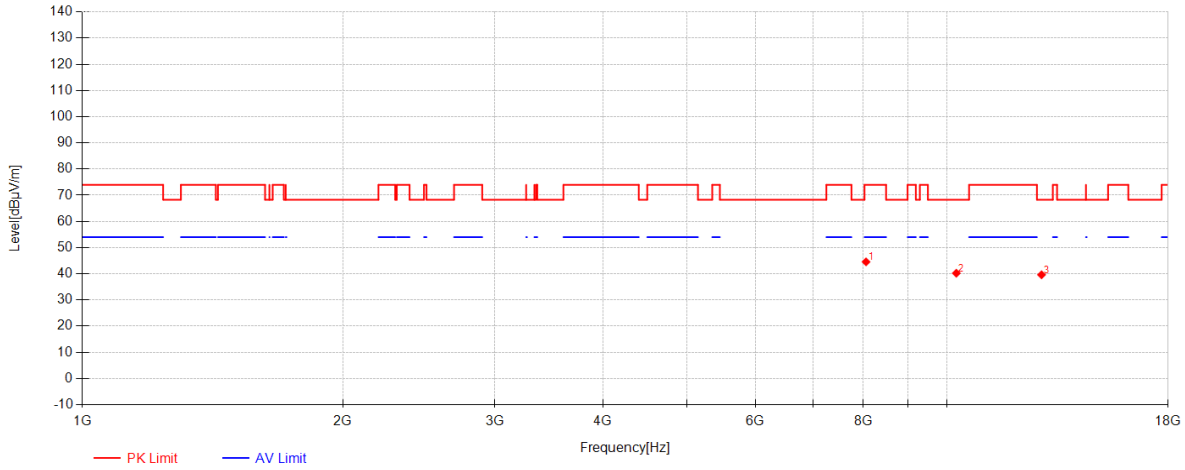
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7833.0417	50.37	36.73	-42.63	44.47	68.30	23.83	Horizontal
2	10102.375	41.19	38.25	-38.71	40.73	68.30	27.57	Horizontal
3	12303.187	37.34	38.89	-36.65	39.58	74.00	34.42	Horizontal

802.11ac80_Channel 122



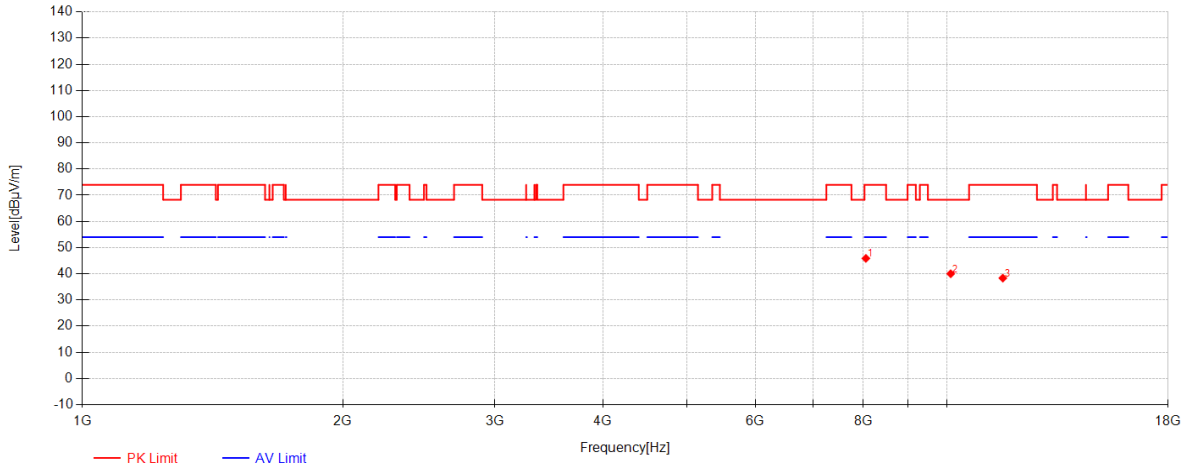
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7847.4167	52.07	36.74	-42.66	46.15	68.30	22.15	Vertical
2	9999.8333	41.66	38.20	-39.38	40.48	68.30	27.82	Vertical
3	13755.541	36.03	40.46	-36.13	40.36	68.30	27.94	Vertical

802.11ac80_Channel 155



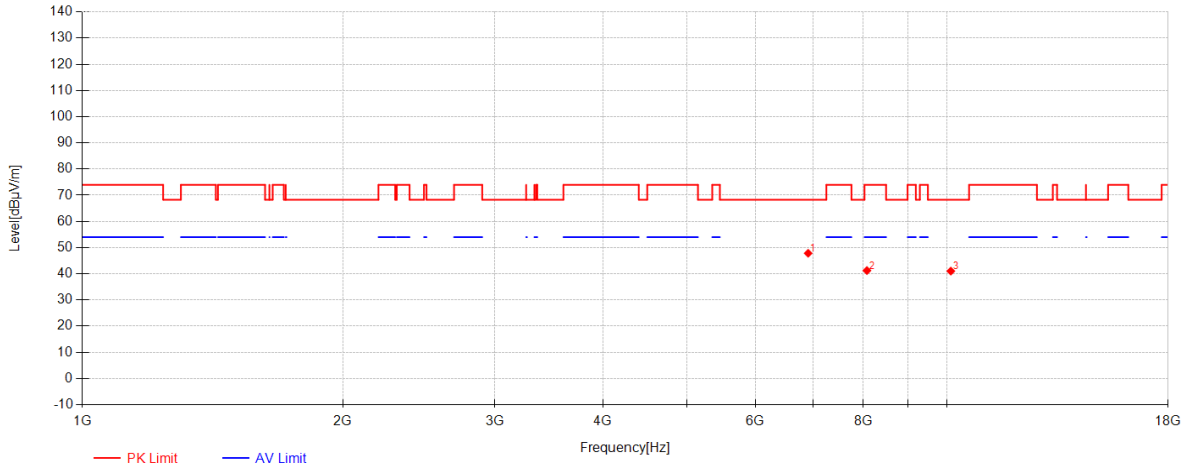
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8057.2917	49.47	36.77	-41.68	44.56	74.00	29.44	Horizontal
2	10248.041	41.03	38.32	-39.13	40.22	68.30	28.08	Horizontal
3	12858.062	37.33	39.06	-36.77	39.62	68.30	28.68	Horizontal

802.11ac80_Channel 155



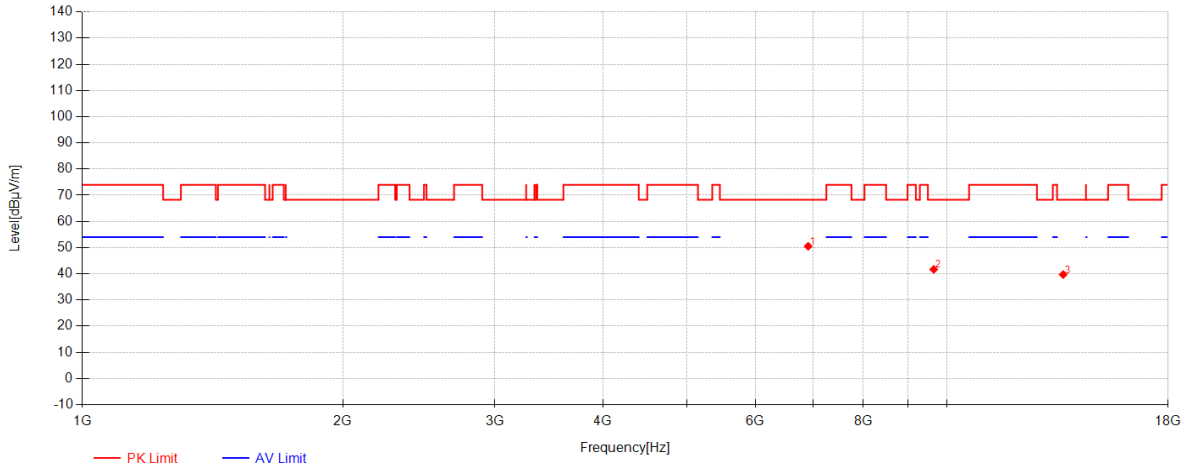
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8053.9375	50.81	36.77	-41.70	45.88	74.00	28.12	Vertical
2	10094.229	40.50	38.25	-38.74	40.01	68.30	28.29	Vertical
3	11597.375	36.56	38.76	-36.97	38.35	74.00	35.65	Vertical

802.11ax20_Channel 36



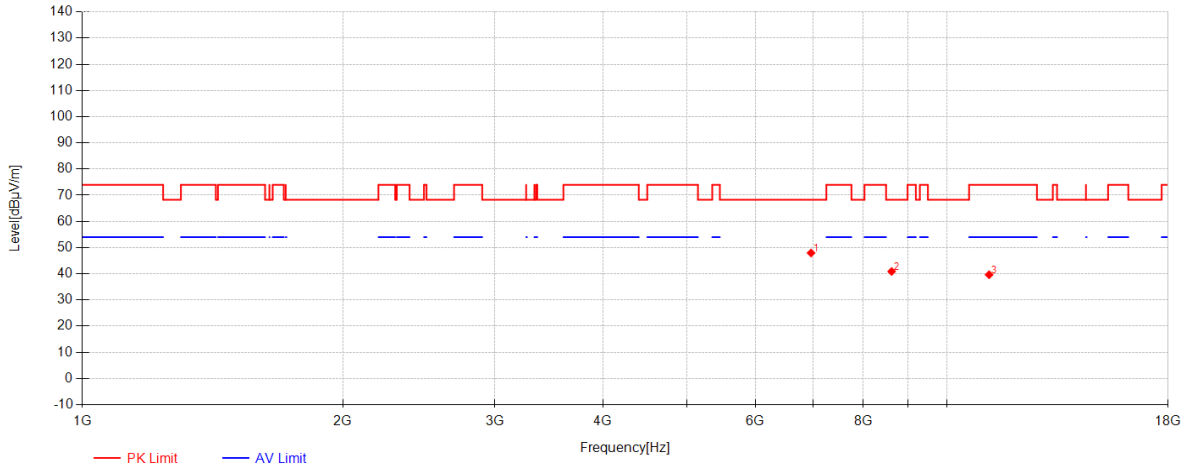
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6906.8125	56.64	35.03	-43.84	47.83	68.30	20.47	Horizontal
2	8076.4583	46.00	36.76	-41.53	41.24	74.00	32.76	Horizontal
3	10098.062	41.49	38.25	-38.71	41.03	68.30	27.27	Horizontal

802.11ax20_Channel 36



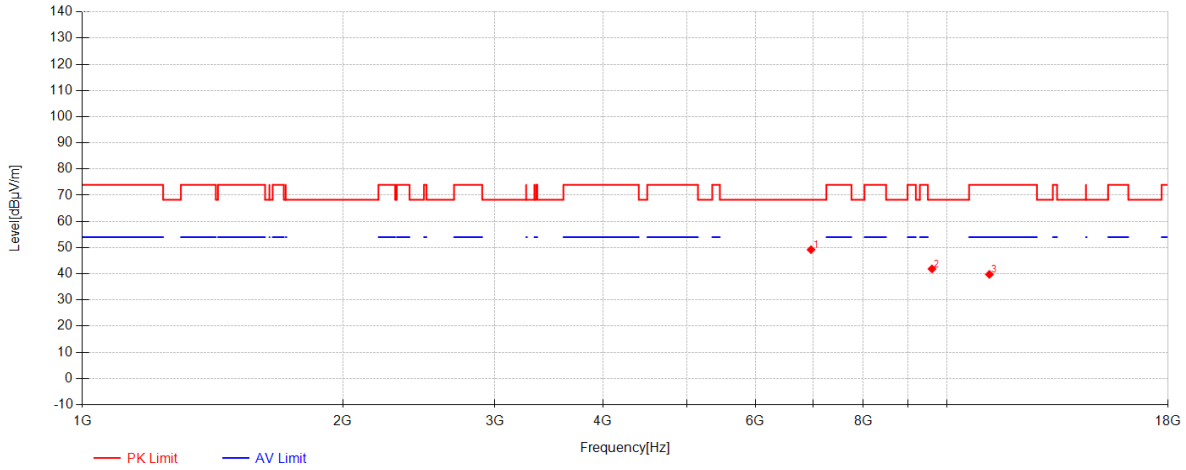
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6906.8125	59.31	35.03	-43.84	50.50	68.30	17.80	Vertical
2	9647.6458	43.47	37.53	-39.33	41.67	68.30	26.63	Vertical
3	13618.020	35.52	40.21	-36.03	39.70	68.30	28.60	Vertical

802.11ax20_Channel 44



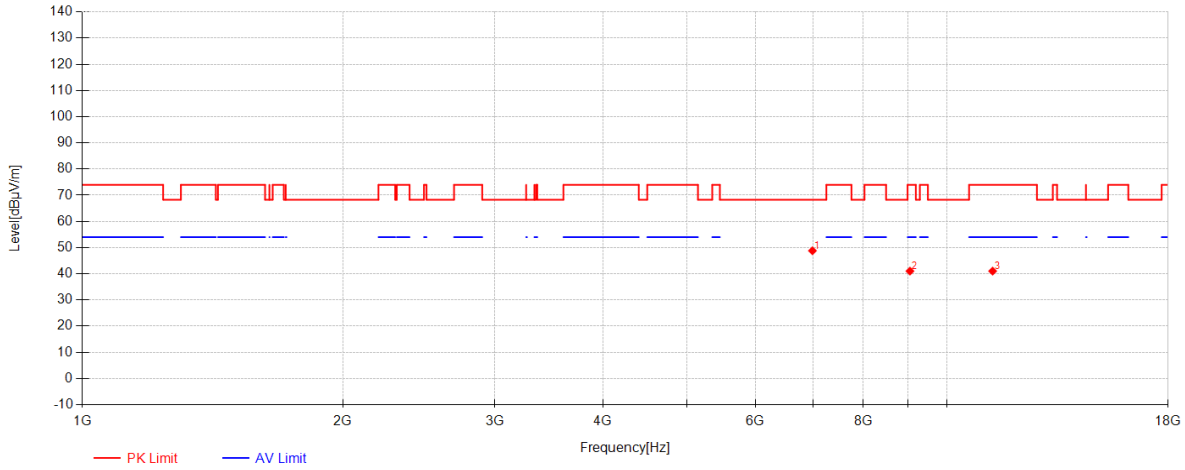
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6960	56.17	35.13	-43.35	47.94	68.30	20.36	Horizontal
2	8625.5833	45.41	36.49	-41.01	40.89	68.30	27.41	Horizontal
3	11180.5	37.75	38.72	-36.82	39.64	74.00	34.36	Horizontal

802.11ax20_Channel 44



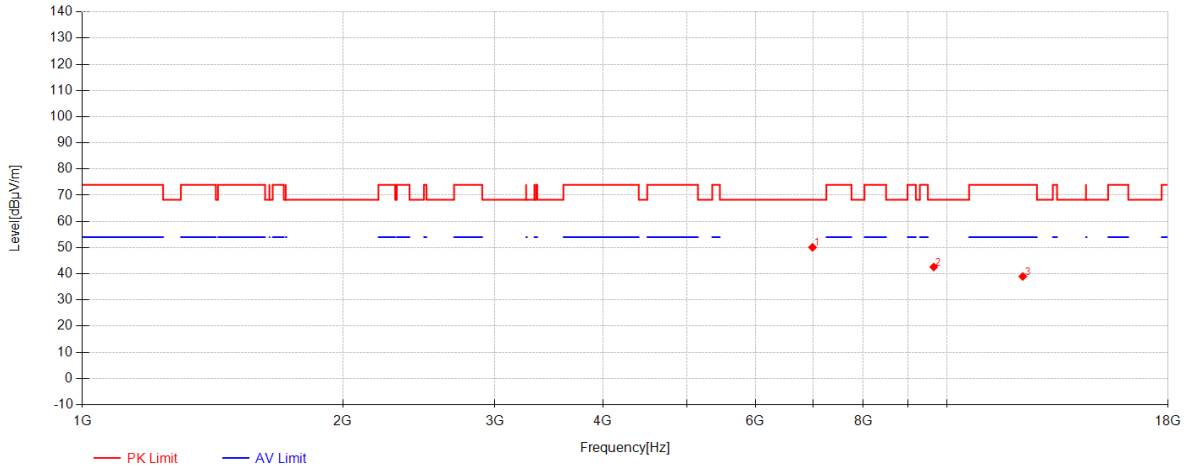
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6960	57.44	35.13	-43.35	49.21	68.30	19.09	Vertical
2	9603.5625	43.62	37.45	-39.21	41.86	68.30	26.44	Vertical
3	11189.604	37.76	38.72	-36.72	39.76	74.00	34.24	Vertical

802.11ax20_Channel 48



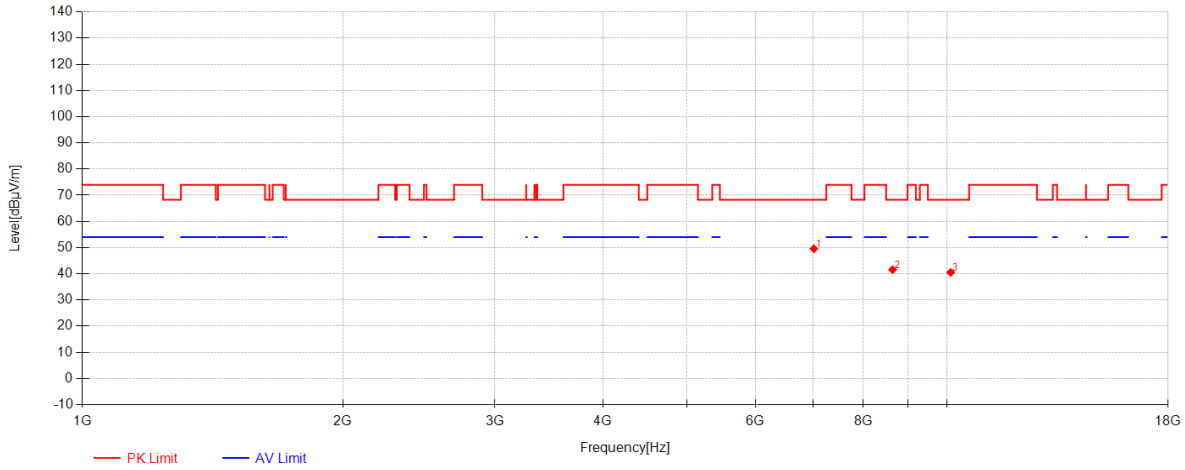
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6986.8333	56.73	35.18	-43.11	48.80	68.30	19.50	Horizontal
2	9056.3542	45.23	36.41	-40.61	41.03	74.00	32.97	Horizontal
3	11286.875	39.45	38.73	-37.15	41.03	74.00	32.97	Horizontal

802.11ax20_Channel 48



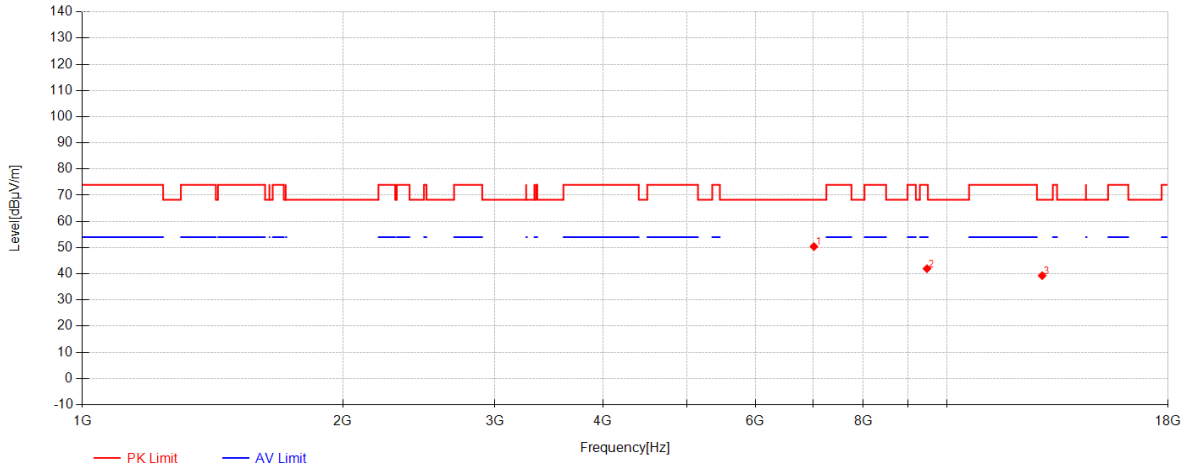
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	6986.8333	58.03	35.18	-43.11	50.10	68.30	18.20	Vertical
2	9648.6042	44.39	37.53	-39.34	42.59	68.30	25.71	Vertical
3	12230.833	37.09	38.87	-36.97	38.99	74.00	35.01	Vertical

802.11ax20_Channel 52



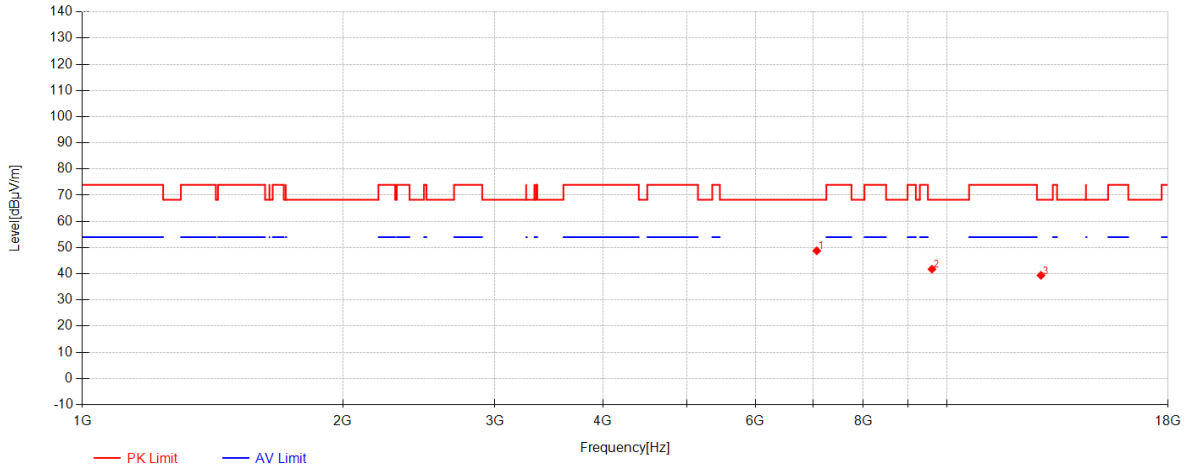
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7013.1875	57.38	35.24	-43.08	49.54	68.30	18.76	Horizontal
2	8647.625	46.21	36.48	-41.10	41.58	68.30	26.72	Horizontal
3	10094.229	41.01	38.25	-38.74	40.52	68.30	27.78	Horizontal

802.11ax20_Channel 52



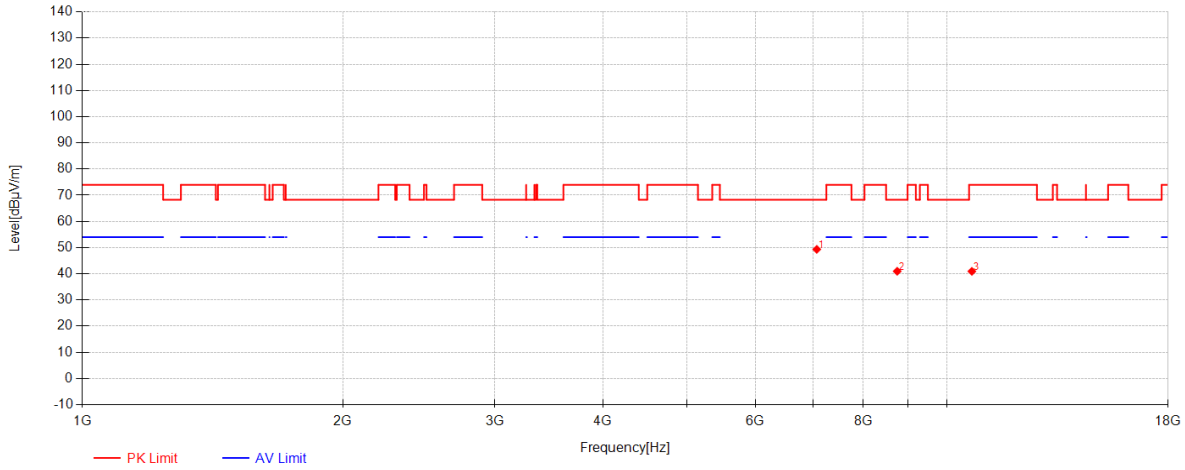
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7013.1875	58.23	35.24	-43.08	50.39	68.30	17.91	Vertical
2	9476.5833	44.71	37.21	-39.95	41.96	74.00	32.04	Vertical
3	12877.708	37.04	39.06	-36.81	39.29	68.30	29.01	Vertical

802.11ax20_Channel 60



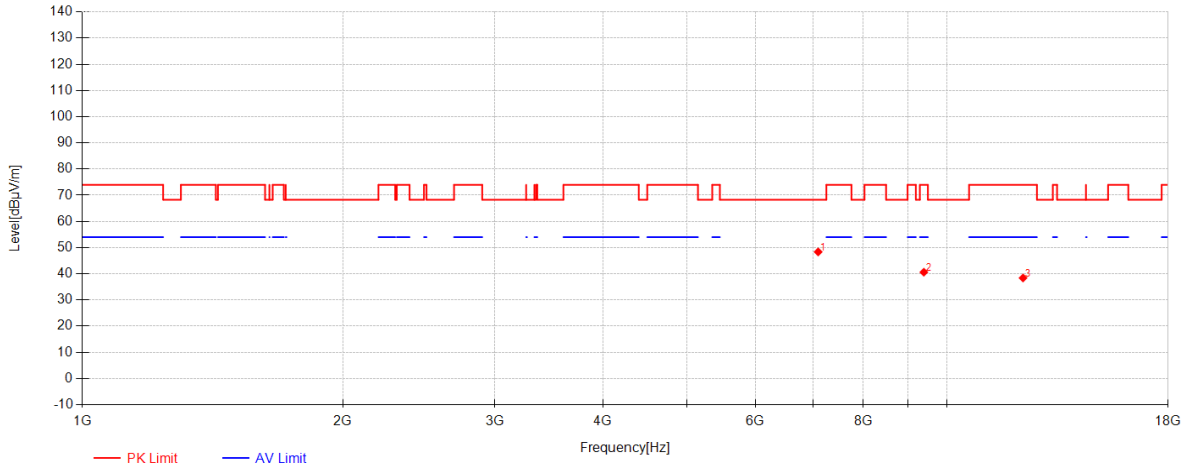
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7066.375	56.82	35.39	-43.43	48.77	68.30	19.53	Horizontal
2	9603.5625	43.52	37.45	-39.21	41.76	68.30	26.54	Horizontal
3	12835.541	37.06	39.05	-36.71	39.40	68.30	28.90	Horizontal

802.11ax20_Channel 60



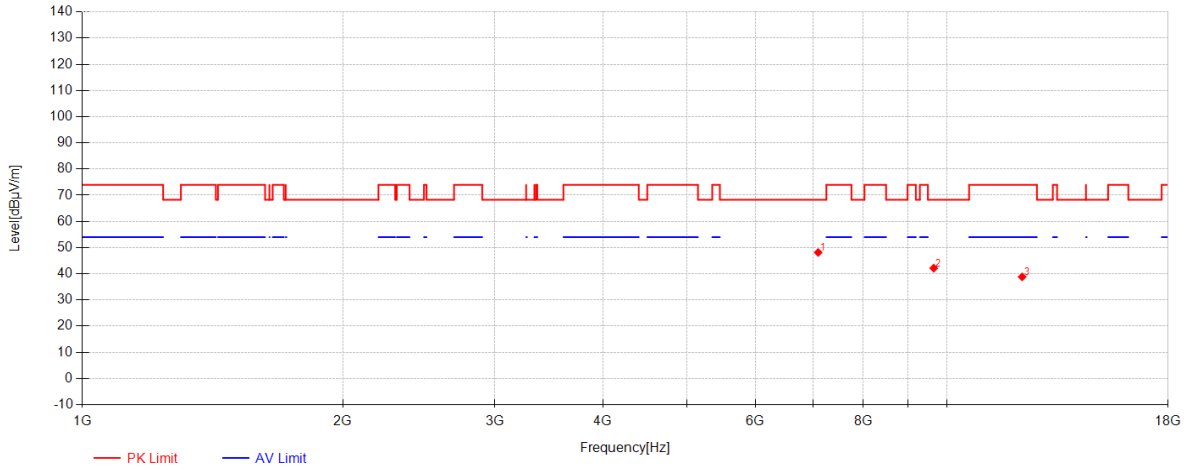
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7066.8542	57.38	35.39	-43.44	49.33	68.30	18.97	Vertical
2	8753.5208	45.77	36.42	-41.23	40.96	68.30	27.34	Vertical
3	10679.291	39.99	38.54	-37.60	40.93	74.00	33.07	Vertical

802.11ax20_Channel 64



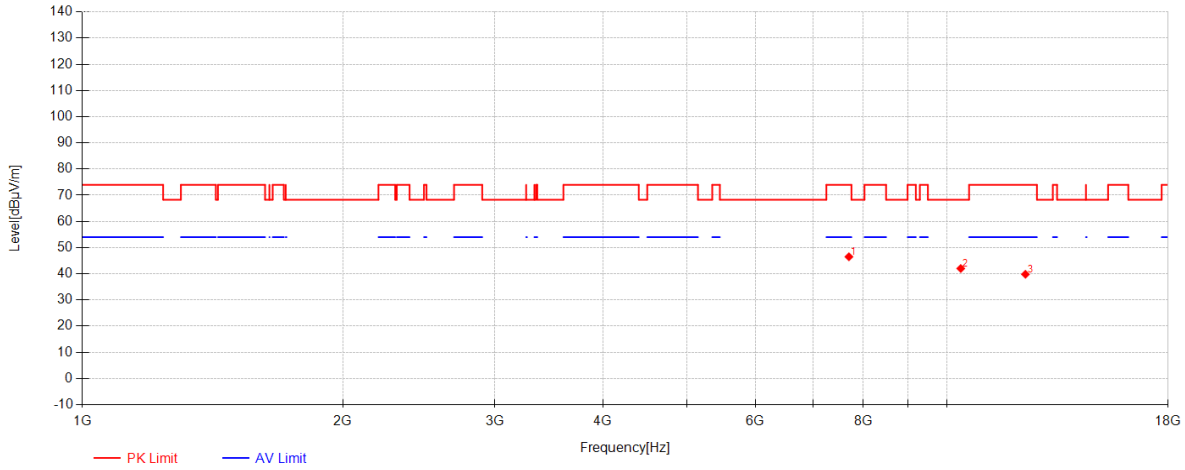
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7093.2083	56.51	35.46	-43.61	48.36	68.30	19.94	Horizontal
2	9398	43.48	37.06	-39.92	40.61	74.00	33.39	Horizontal
3	12238.979	36.46	38.87	-36.93	38.40	74.00	35.60	Horizontal

802.11ax20_Channel 64



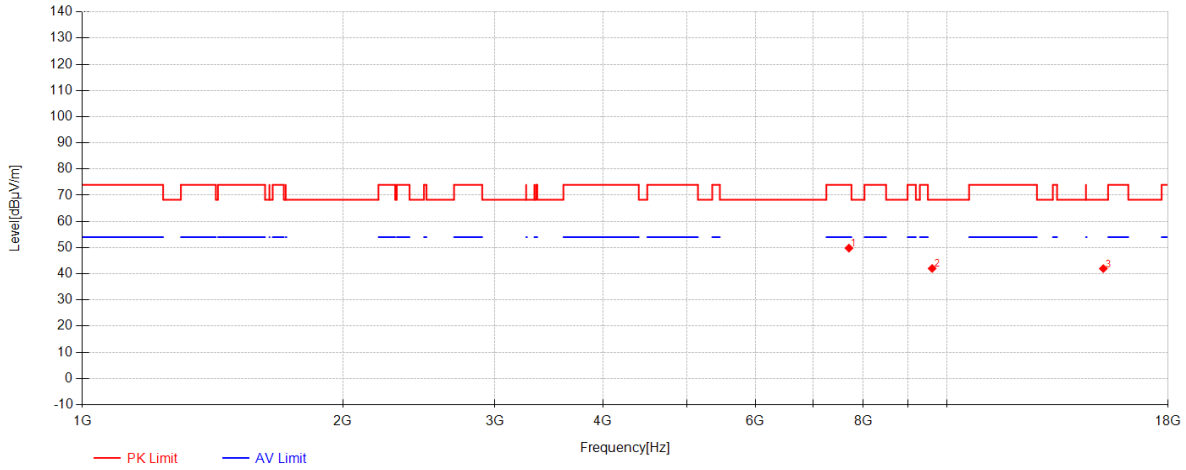
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7093.2083	56.29	35.46	-43.61	48.14	68.30	20.16	Vertical
2	9648.125	43.95	37.53	-39.33	42.15	68.30	26.15	Vertical
3	12209.270	37.02	38.86	-37.07	38.82	74.00	35.18	Vertical

802.11ax20_Channel 100



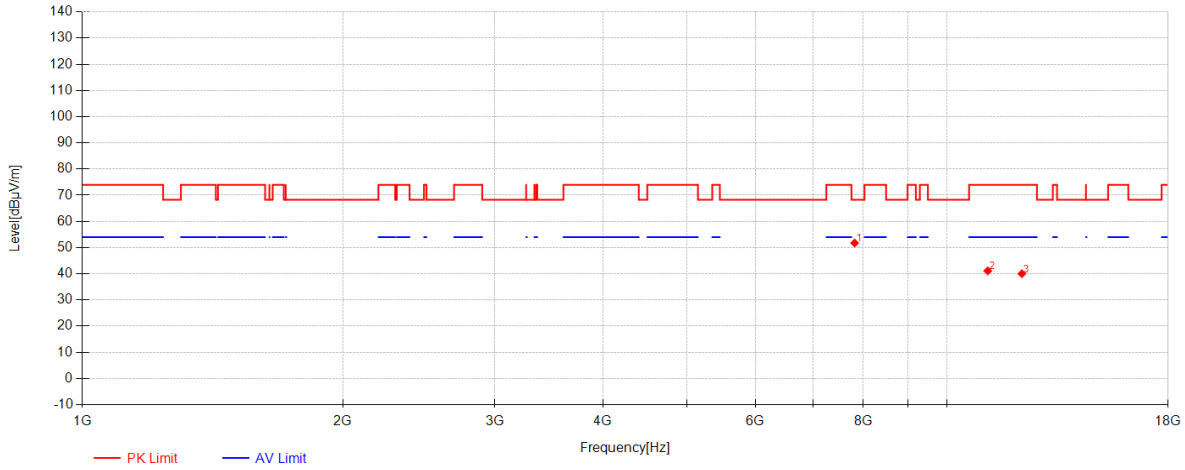
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7698.3958	52.77	36.68	-42.95	46.50	74.00	27.50	Horizontal
2	10367.833	42.43	38.38	-38.80	42.01	68.30	26.29	Horizontal
3	12316.604	37.61	38.89	-36.70	39.81	74.00	34.19	Horizontal

802.11ax20_Channel 100



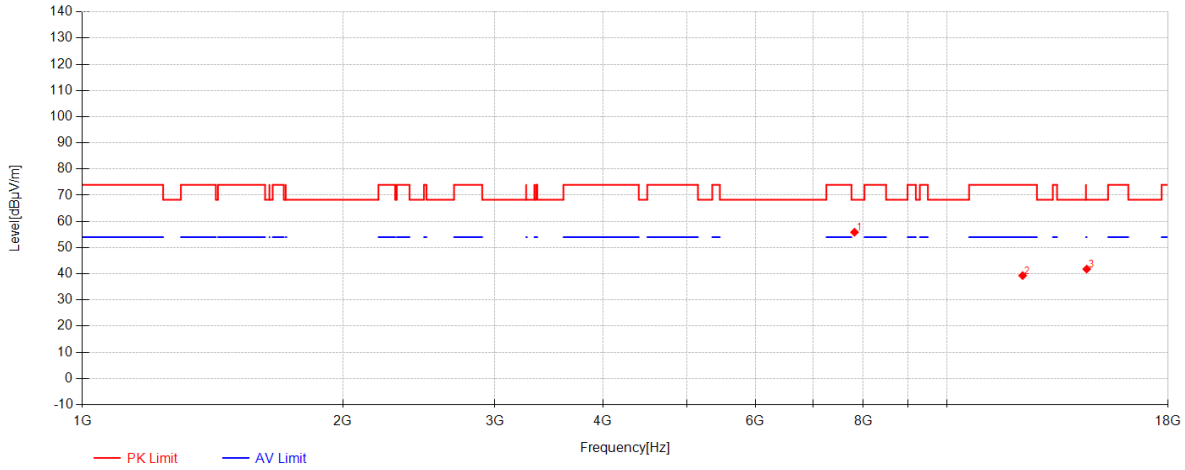
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7698.875	56.07	36.68	-42.95	49.80	74.00	24.20	Vertical
2	9608.3542	43.81	37.46	-39.22	42.04	68.30	26.26	Vertical
3	15155.666	35.09	40.97	-34.08	41.98	68.30	26.32	Vertical

802.11ax20_Channel 116



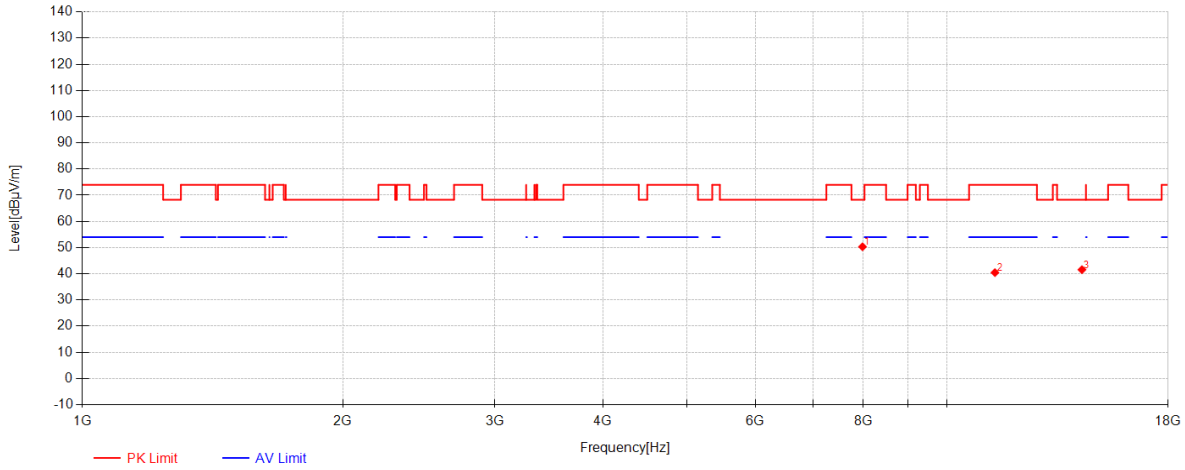
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7815.7917	57.63	36.73	-42.61	51.75	68.30	16.55	Horizontal
2	11141.208	39.68	38.71	-37.28	41.12	74.00	32.88	Horizontal
3	12199.208	38.28	38.86	-37.11	40.03	74.00	33.97	Horizontal

802.11ax20_Channel 116



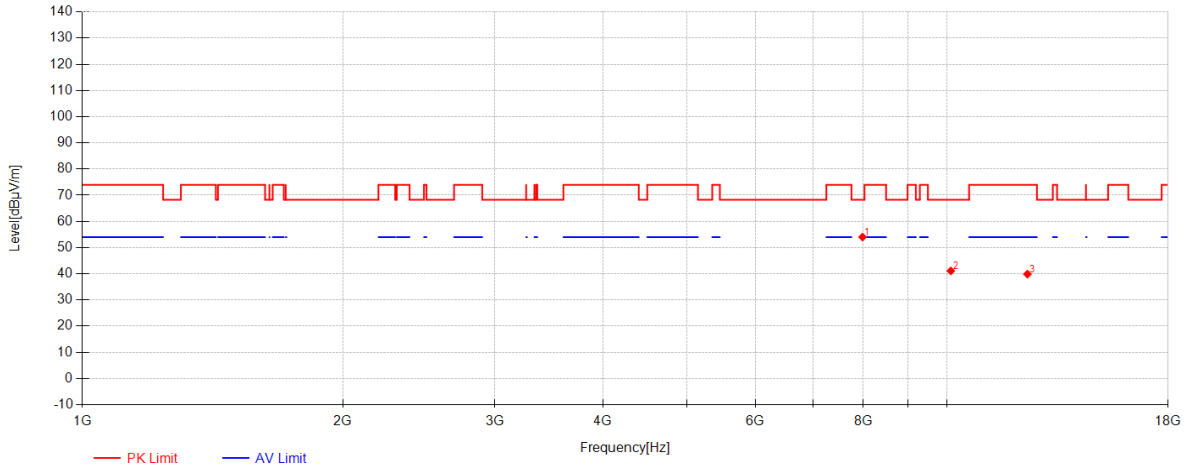
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7814.3542	61.75	36.73	-42.60	55.87	68.30	12.43	Vertical
2	12226.041	37.44	38.87	-36.99	39.32	74.00	34.68	Vertical
3	14499.687	34.93	41.10	-34.23	41.80	74.00	32.20	Vertical

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	7982.5417	55.77	36.79	-42.24	50.33	68.30	17.97	Horizontal
2	11356.354	39.10	38.74	-37.39	40.45	74.00	33.55	Horizontal
3	14315.687	36.28	41.03	-35.74	41.57	68.30	26.73	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	7982.5417	59.47	36.79	-42.24	54.03	68.30	14.27	Vertical
2	10096.625	41.58	38.25	-38.72	41.11	68.30	27.19	Vertical
3	12381.291	37.88	38.91	-36.92	39.87	74.00	34.13	Vertical