

TEST REPORT

Application No.: KSCR2507001456AT
FCC ID: 2ASCB-DH215TLB2
Applicant: D2G Group LLC
Address of Applicant: 81 Commerce Drive Fall River, MA 02720 USA
Manufacturer: D2G Group LLC
Address of Manufacturer: 81 Commerce Drive Fall River, MA 02720 USA
Equipment Under Test (EUT):
EUT Name: Digital Signage
Model No.: DH215NLB, DH215TLB2 ♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-07-02
Date of Test: 2025-07-23 to 2025-07-31
Date of Issue: 2025-08-01

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

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

Revision Record			
Version	Description	Date	Remark
00	Original	2025-08-01	/

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

2 Test Summary

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

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

Note: There are series models mentioned in this report and they are the identical in electrical and electronic characters. Only the model DH215TLB2 was tested since their differences were the model number and appearance.

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 12V 3A
Test Voltage:	AC 120V/60Hz(Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case)
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-1: 5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-2C: 5510-5670MHz (5 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 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
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	Dipole Antenna
Antenna Gain:	2.17dBi (Provided by the manufacturer)

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Notebook	LENOVO	K27	EB24537645

4.3 Power level setting using in test

Channel	802.11a	802.11n(HT20)	802.11ac(VHT20)	802.11ax(HE20)
	Ant 1	Ant 1	Ant 1	Ant 1
36	11	11	11	11
40	11	11	11	11
48	11	11	11	11
52	11	11	11	11
60	11	11	11	11
64	11	11	11	11
100	11	11	11	11
116	11	11	11	11
140	11	11	11	11
149	11	11	11	11
157	11	11	11	11
165	11	11	11	11
Channel	802.11n(HT40)	802.11ac(VHT40)	802.11ax(HE40)	
	Ant 1	Ant 1	Ant 1	
38	11	11	11	
46	11	11	11	
54	11	11	11	
62	11	11	11	
102	11	11	11	
110	11	11	11	
134	11	11	11	
151	11	11	11	
159	11	11	11	

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.

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

Note:

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

4.6 Test Facility

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

Lab A:

• **A2LA**

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

• **FCC**

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

• **ISED**

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

• **VCCI**

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

Lab B:

• **A2LA (Certificate No. 6336.01)**

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

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

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

CAB identifier: CN0120.

IC#: 27594.

• **FCC –Designation Number: CN1312**

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

Designation Number: CN1312.

Test Firm Registration Number: 717327

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

Lab A:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	07/09/2025	07/08/2026
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	07/09/2025	07/08/2026
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/15/2025	01/14/2026
4	Signal Generator	R&S	SMBV100B	KSEM032	02/19/2025	02/18/2026
5	Signal Generator	R&S	SMW200A	KSEM020-1	07/09/2025	07/08/2026
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	07/08/2025	07/07/2026
7	Signal Generator	Agilent	E8257C	KS301066	07/22/2025	07/21/2026
8	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	07/09/2025	07/08/2026
9	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	02/19/2025	02/18/2026
10	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	07/08/2025	07/07/2026
11	Switcher	TST	FY562	KUS2001M001-4	01/15/2025	01/14/2026
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111- CZ301120	01/14/2025	01/13/2026
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	07/15/2025	07/14/2026
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	02/26/2025	02/25/2026
15	Software	BST	TST-PASS	/	NCR	NCR

Lab B:

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	EMI Test Receive	R&S	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
2	LISN	R&S	ENV216	SUWI-01-19-03	5/8/2025	5/7/2026
3	LISN	Schwarzbeck	ENV216	SUWI-01-19-04	5/8/2025	5/7/2026
4	Test Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	N.C.R	N.C.R
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/3/2023	6/2/2026
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-09	11/21/2024	11/20/2025
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	1/16/2025	1/15/2026
6	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9168	SUWI-01-11-04	8/22/2024	8/21/2026
7	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/7/2025	5/6/2027
8	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/7/2025	5/6/2027
9	Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/7/2025	5/6/2027
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	1/16/2025	1/15/2026
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/16/2025	1/15/2026
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/20/2025	1/19/2026
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	9/10/2024	9/9/2025
14	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/19/2024	11/18/2025
15	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	9/10/2024	9/9/2025
16	Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/19/2024	11/18/2025
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	1/16/2025	1/15/2026
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
20	Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-06	NCR	NCR

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is Dipole Antenna on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.17dBi.

Antenna location: Refer to External photo.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

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 (2020) 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: 22.8 °C

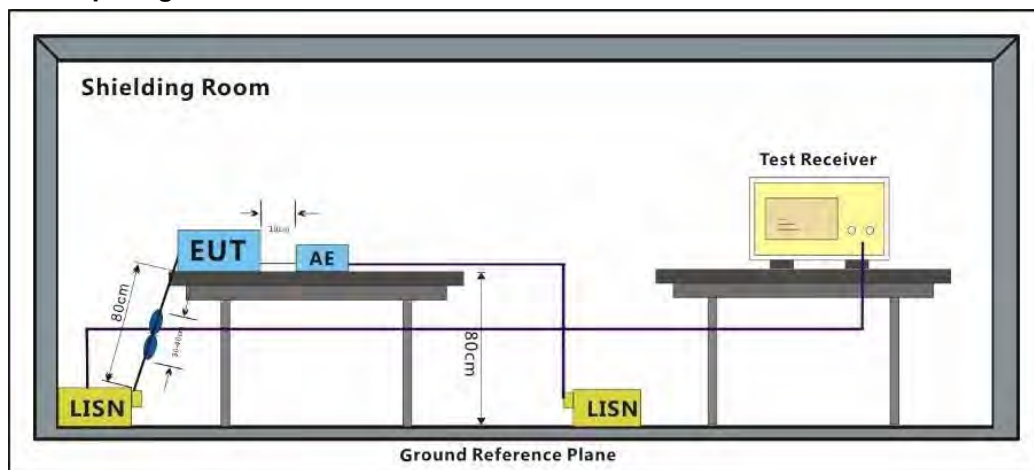
Humidity: 48.1 % RH

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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.

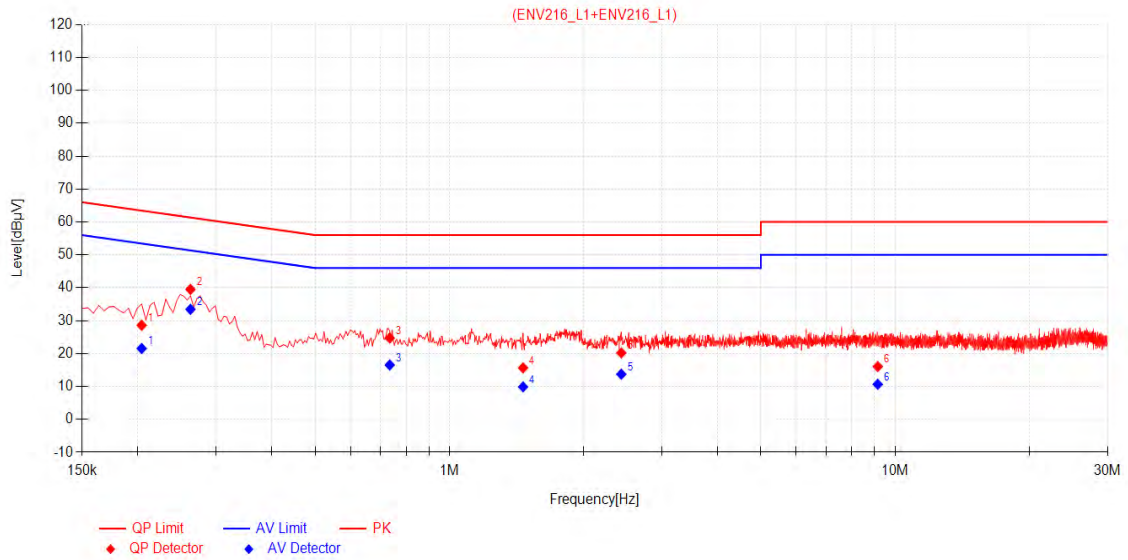
7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

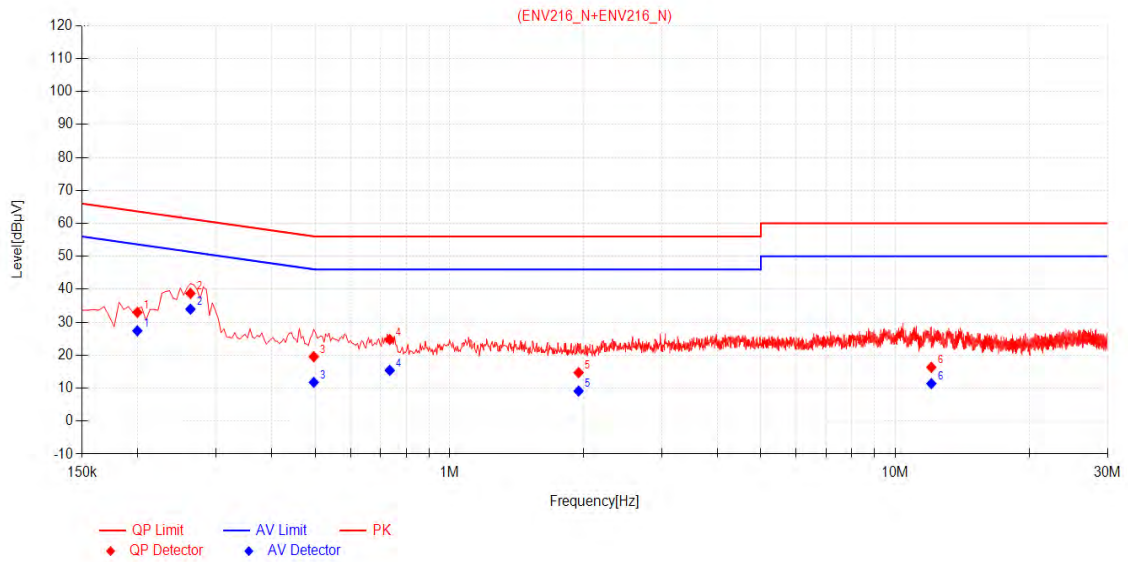
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to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

Remark 1: Level=Read Level+ Cable Loss+ LISN Factor



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2040	10.08	18.53	28.61	63.45	34.84	11.46	21.54	53.45	31.91	PASS
2	0.2625	10.07	29.44	39.51	61.35	21.84	23.38	33.45	51.35	17.90	PASS
3	0.7350	10.05	14.67	24.72	56.00	31.28	6.48	16.53	46.00	29.47	PASS
4	1.4640	9.91	5.74	15.65	56.00	40.35	-0.01	9.90	46.00	36.10	PASS
5	2.4315	9.84	10.36	20.20	56.00	35.80	3.90	13.74	46.00	32.26	PASS
6	9.1455	9.81	6.25	16.06	60.00	43.94	0.85	10.66	50.00	39.34	PASS



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1995	10.08	22.91	32.99	63.63	30.64	17.32	27.40	53.63	26.23	PASS
2	0.2625	10.08	28.67	38.75	61.35	22.60	23.89	33.97	51.35	17.38	PASS
3	0.4965	10.06	9.50	19.56	56.06	36.50	1.72	11.78	46.06	34.28	PASS
4	0.7350	10.06	14.68	24.74	56.00	31.26	5.35	15.41	46.00	30.59	PASS
5	1.9500	9.91	4.80	14.71	56.00	41.29	-0.78	9.13	46.00	36.87	PASS
6	12.0660	9.77	6.55	16.32	60.00	43.68	1.62	11.39	50.00	38.61	PASS

7.2 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Measurement Distance: 3m

Limit:

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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C

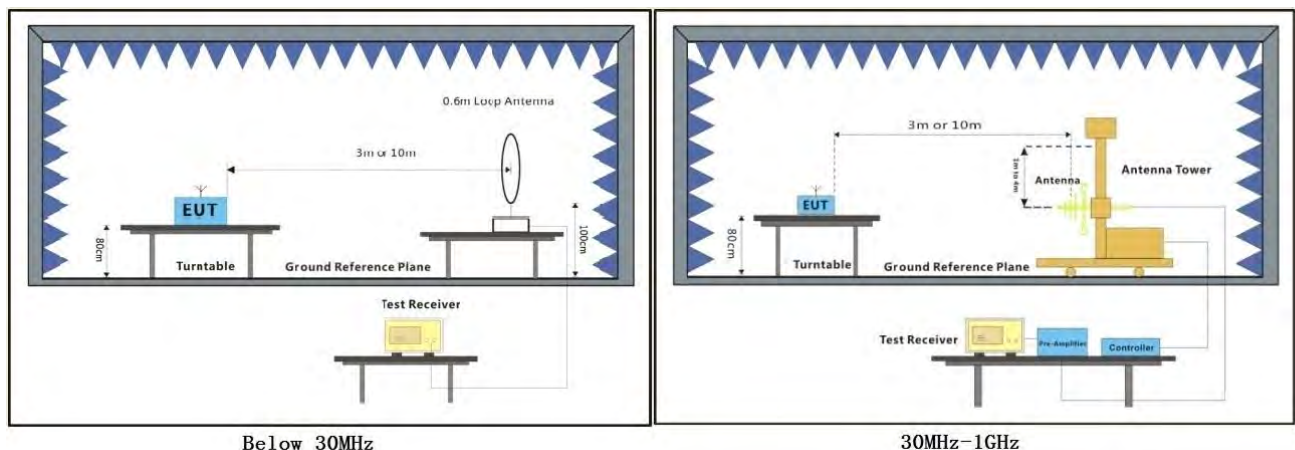
Humidity: 49.5 % RH

Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

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

7.2.3 Test Setup Diagram



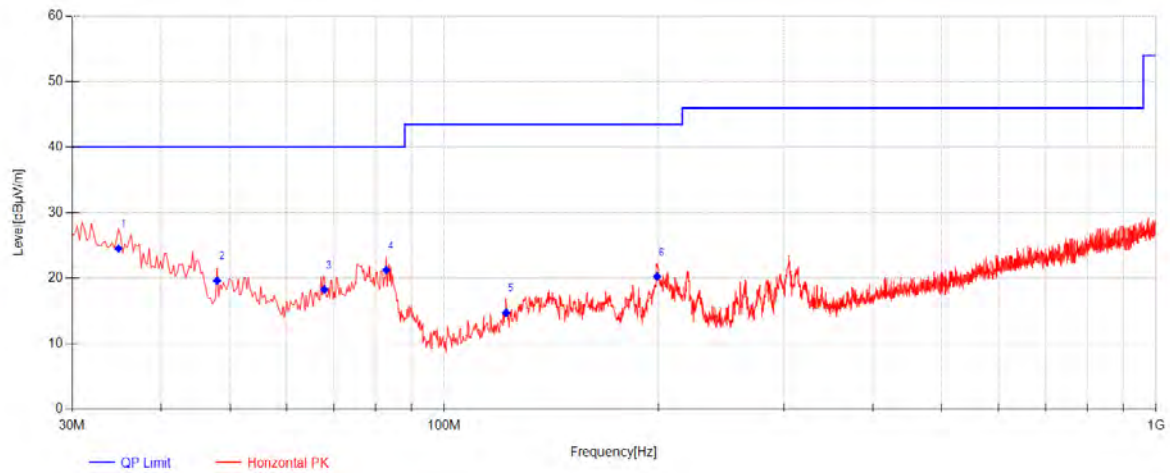
7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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.

11a_TX_CH_52_Horizontal_LF

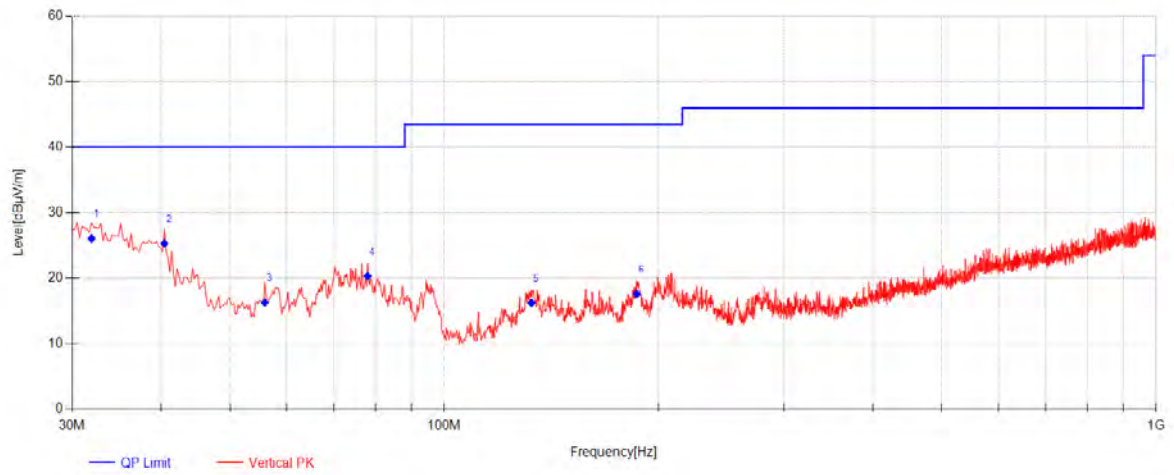


Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	34.85	48.60	-42.27	18.20	24.53	40.00	15.47	Horizontal
2	47.945	42.96	-42.17	18.81	19.60	40.00	20.40	Horizontal
3	67.83	43.28	-41.86	16.85	18.27	40.00	21.73	Horizontal
4	82.865	48.29	-41.57	14.51	21.23	40.00	18.77	Horizontal
5	122.15	38.79	-41.35	17.29	14.72	43.50	28.78	Horizontal
6	199.0225	45.63	-40.62	15.21	20.22	43.50	23.28	Horizontal



11a_TX_CH_52_Vertical_LF



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	31.94	50.26	-42.29	18.11	26.07	40.00	13.93	Vertical
2	40.4275	48.75	-42.23	18.80	25.32	40.00	14.68	Vertical
3	55.9475	40.11	-42.05	18.20	16.26	40.00	23.74	Vertical
4	78.015	46.66	-41.67	15.30	20.29	40.00	19.71	Vertical
5	132.5775	39.27	-41.23	18.16	16.20	43.50	27.30	Vertical
6	186.4125	42.44	-40.60	15.76	17.60	43.50	25.90	Vertical

7.3 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.6

Measurement Distance: 3m

Limit:

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

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C

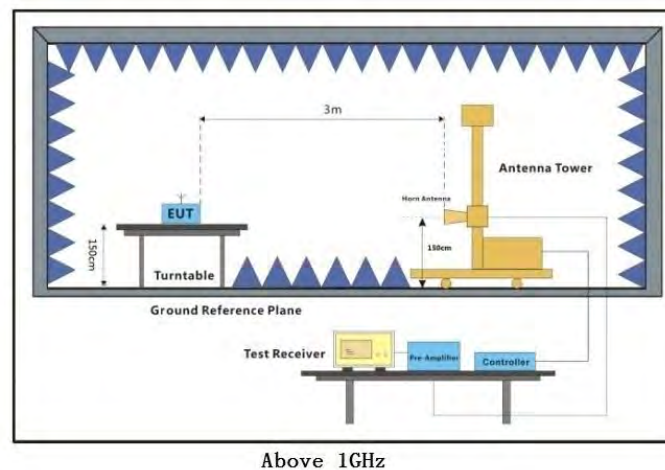
Humidity: 49.5 % RH

Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

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

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

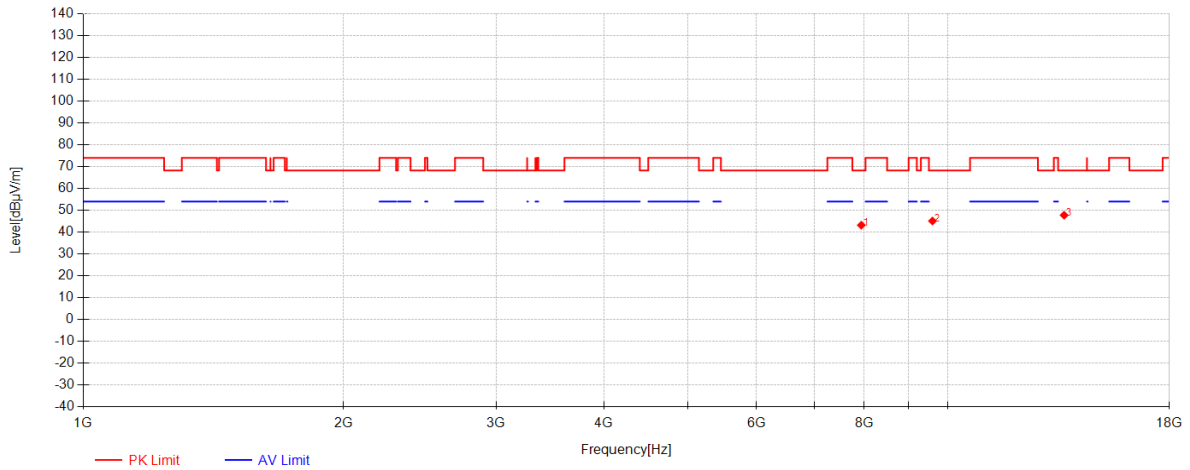
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which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

Remark:

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



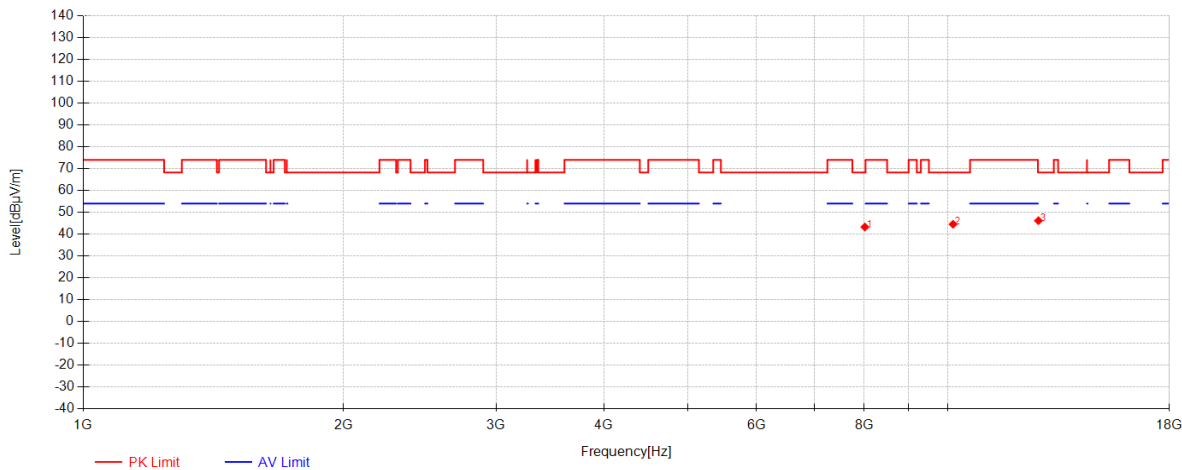
11a_TX_CH_100_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7935.5833	48.71	37.01	-42.52	43.20	68.30	25.10	Horizontal
2	9591.1042	46.70	37.68	-39.27	45.11	68.30	23.19	Horizontal
3	13616.5833	43.53	40.26	-36.03	47.76	68.30	20.54	Horizontal



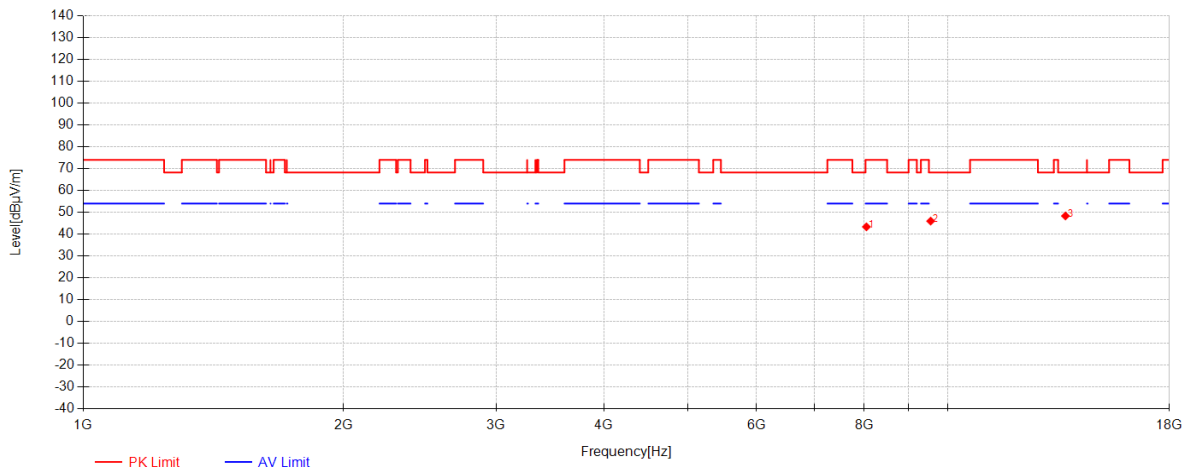
11a_TX_CH_100_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8010.8125	48.24	37.09	-42.04	43.29	68.30	25.01	Vertical
2	10130.1667	44.91	38.51	-38.87	44.55	68.30	23.75	Vertical
3	12716.2292	43.67	39.31	-36.80	46.19	68.30	22.11	Vertical



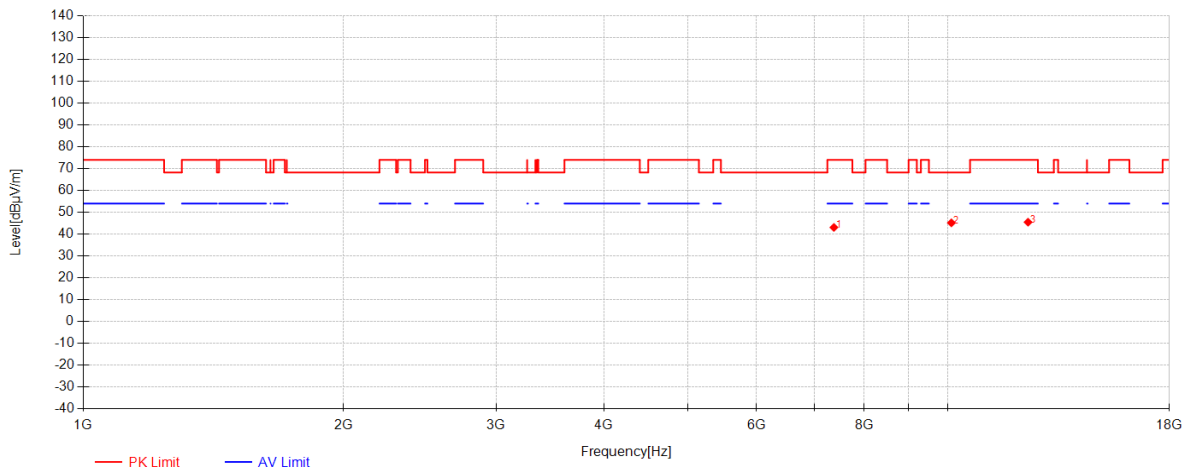
11a_TX_CH_116_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8044.3542	48.06	37.07	-41.78	43.35	74.00	30.65	Horizontal
2	9545.1042	48.02	37.59	-39.62	45.99	68.30	22.31	Horizontal
3	13665.4583	44.02	40.33	-36.01	48.34	68.30	19.96	Horizontal



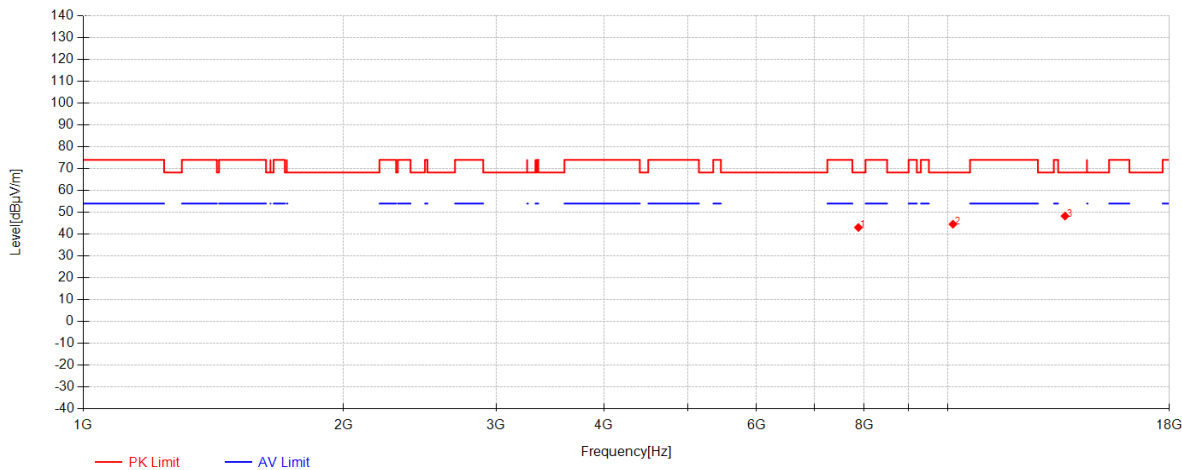
11a_TX_CH_116_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7377.3542	49.94	36.06	-42.91	43.08	74.00	30.92	Vertical
2	10086.0833	45.48	38.51	-38.79	45.19	68.30	23.11	Vertical
3	12369.7917	43.16	39.21	-36.88	45.49	74.00	28.51	Vertical



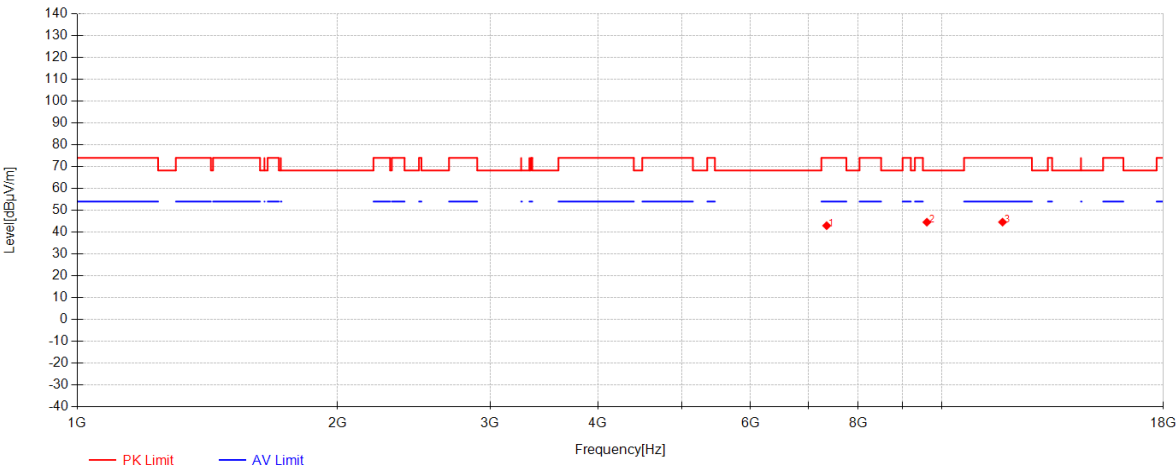
11a_TX_CH_140_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7874.25	48.82	36.92	-42.70	43.05	68.30	25.25	Horizontal
2	10129.2083	44.93	38.51	-38.87	44.57	68.30	23.73	Horizontal
3	13650.6042	44.00	40.31	-36.01	48.30	68.30	20.00	Horizontal



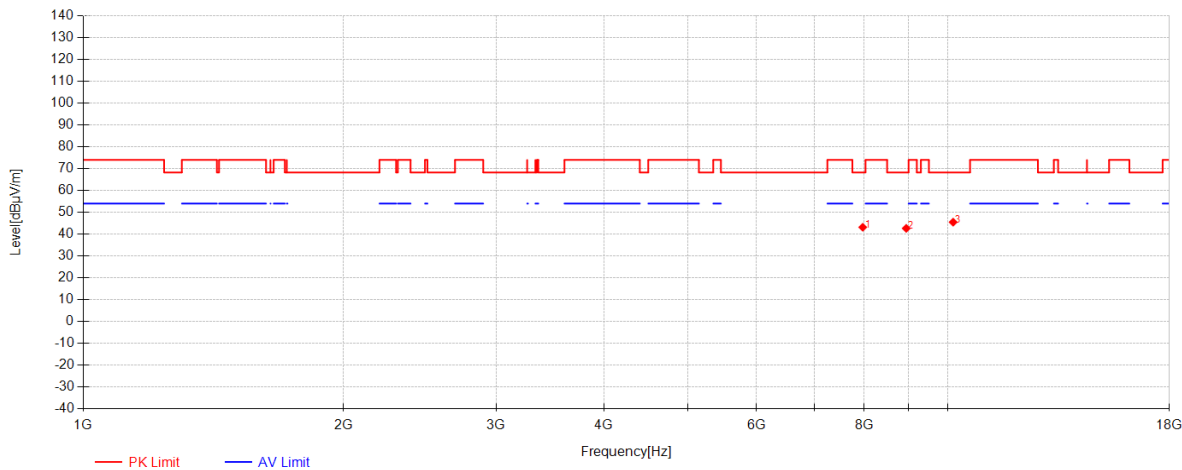
11a_TX_CH_140_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7351.9583	50.03	35.99	-43.05	42.97	74.00	31.03	Vertical
2	9601.1667	46.07	37.70	-39.20	44.57	68.30	23.73	Vertical
3	11744	42.20	38.97	-36.58	44.59	74.00	29.41	Vertical



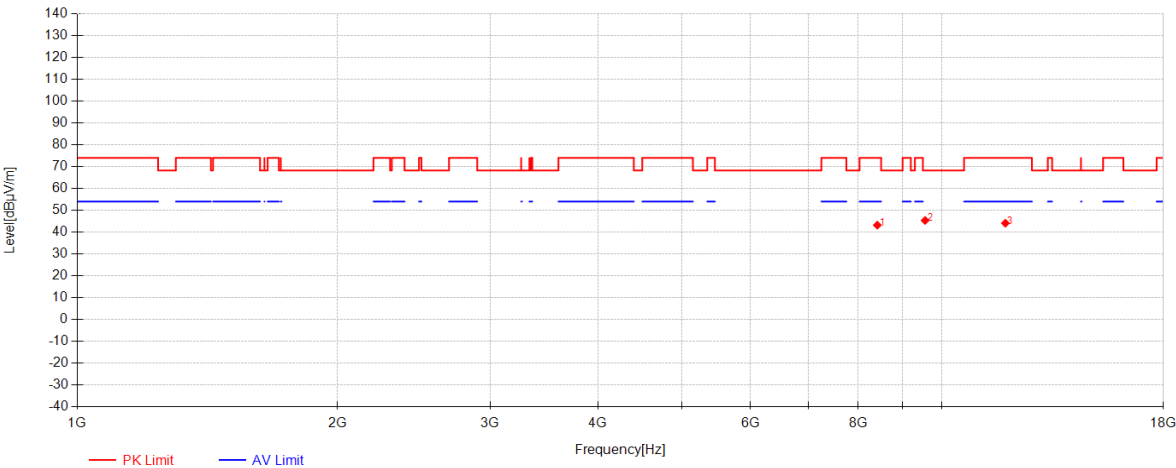
11a_TX_CH_149_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7965.7708	48.46	37.05	-42.34	43.17	68.30	25.13	Horizontal
2	8943.2708	47.02	36.53	-40.89	42.66	68.30	25.64	Horizontal
3	10134	45.87	38.51	-38.90	45.49	68.30	22.81	Horizontal



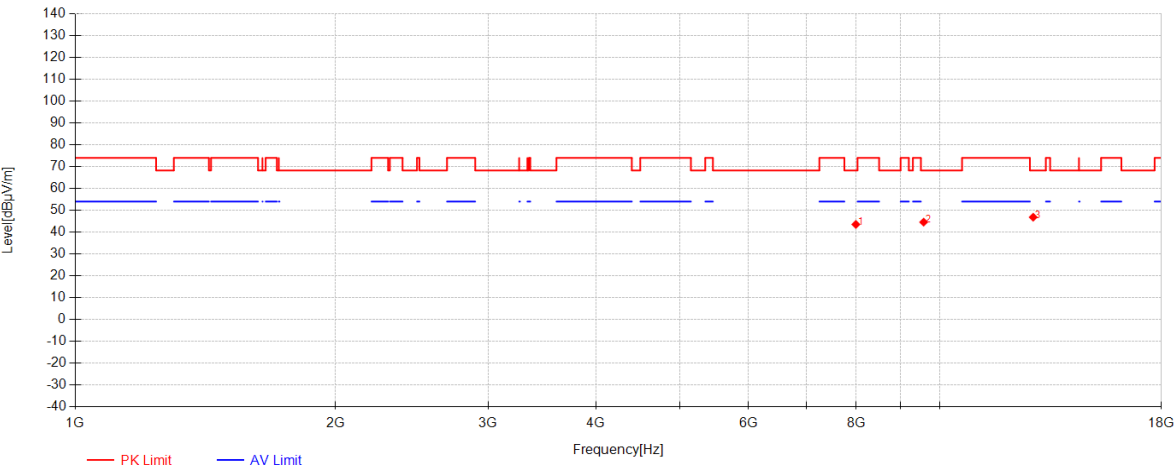
11a_TX_CH_149_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8413.3125	47.79	36.85	-41.43	43.21	74.00	30.79	Vertical
2	9556.125	47.28	37.61	-39.53	45.36	68.30	22.94	Vertical
3	11835.0417	42.34	39.02	-37.25	44.10	74.00	29.90	Vertical



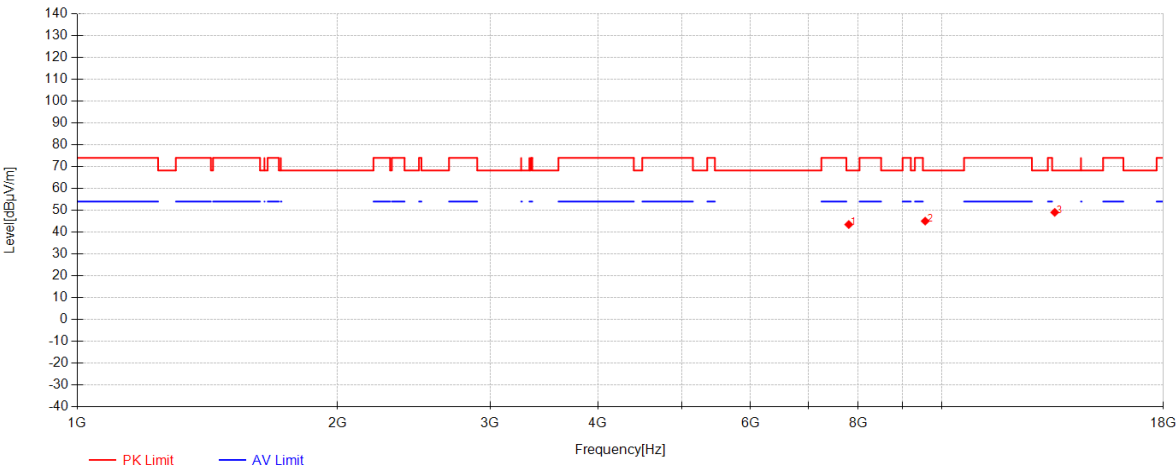
11a_TX_CH_157_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7988.7708	48.66	37.08	-42.20	43.55	68.30	24.75	Horizontal
2	9570.0208	46.39	37.64	-39.43	44.60	68.30	23.70	Horizontal
3	12810.625	44.15	39.34	-36.65	46.85	68.30	21.45	Horizontal



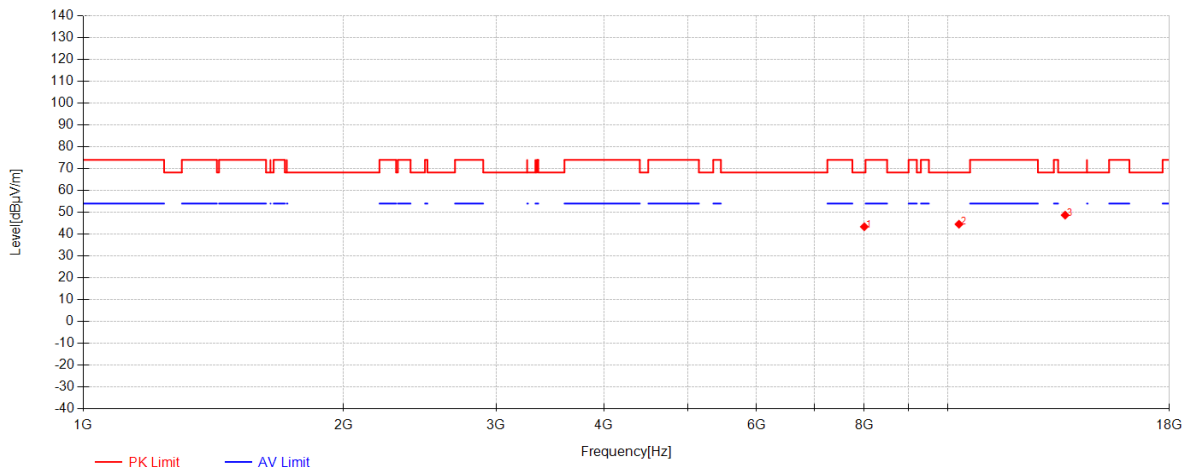
11a_TX_CH_157_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7798.5417	49.27	36.82	-42.59	43.50	68.30	24.80	Vertical
2	9558.5208	46.97	37.62	-39.52	45.07	68.30	23.23	Vertical
3	13495.3542	45.60	40.09	-36.62	49.07	68.30	19.23	Vertical



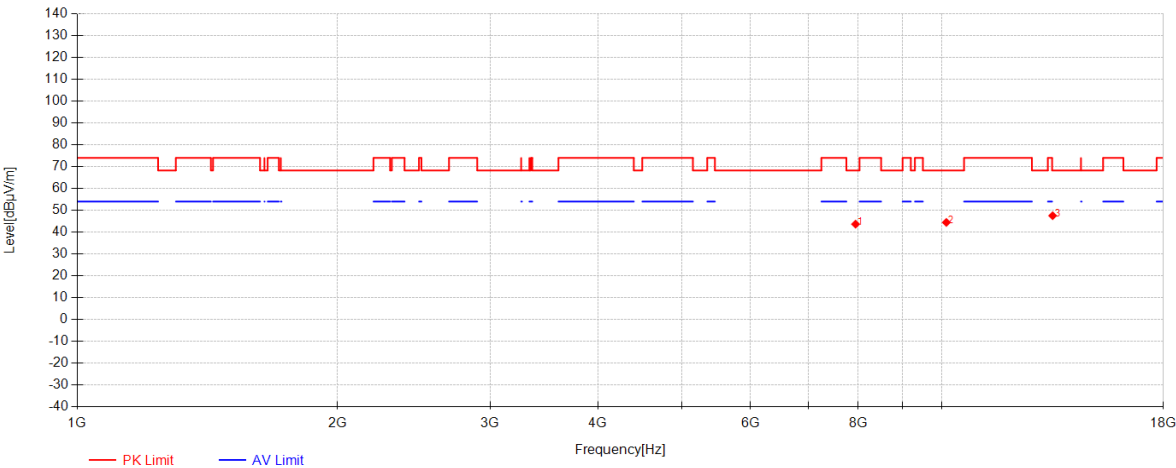
11a_TX_CH_165_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7999.3125	48.43	37.10	-42.13	43.39	68.30	24.91	Horizontal
2	10293.0833	45.02	38.53	-38.99	44.56	68.30	23.74	Horizontal
3	13654.4375	44.41	40.32	-36.01	48.71	68.30	19.59	Horizontal

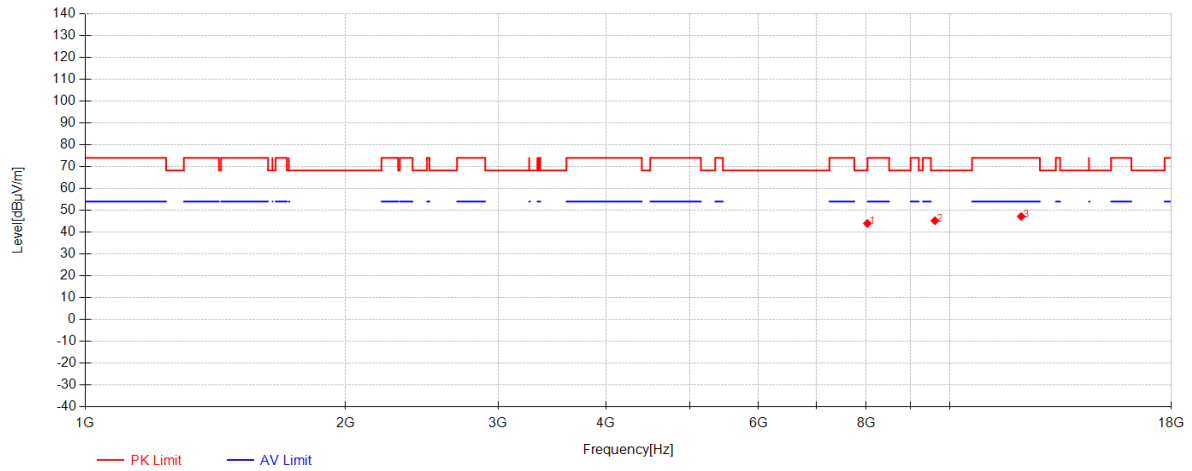


11a_TX_CH_165_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7940.375	49.15	37.02	-42.49	43.67	68.30	24.63	Vertical
2	10111.9583	44.73	38.51	-38.77	44.47	68.30	23.83	Vertical
3	13419.6458	43.73	39.99	-36.18	47.53	68.30	20.77	Vertical

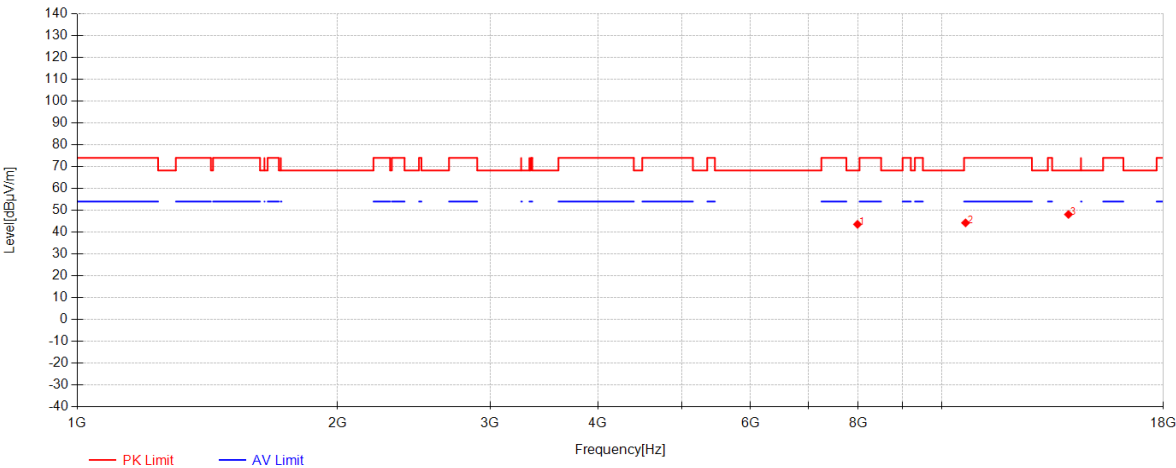
11a_TX_CH_36_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8023.2708	48.82	37.09	-41.95	43.96	68.30	24.34	Horizontal
2	9602.125	46.72	37.70	-39.21	45.22	68.30	23.08	Horizontal
3	12086.125	45.24	39.13	-37.19	47.18	74.00	26.82	Horizontal



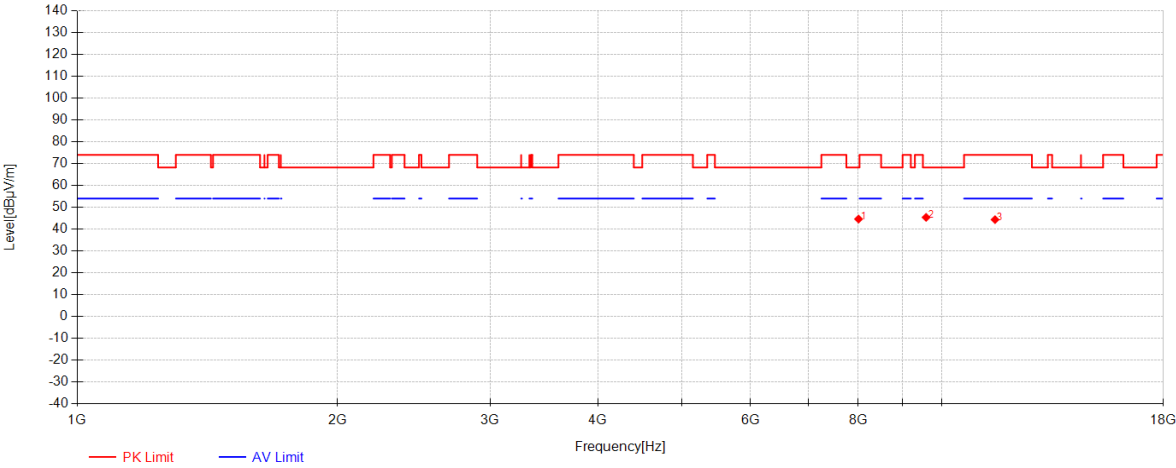
11a_TX_CH_36_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7982.0625	48.75	37.07	-42.24	43.59	68.30	24.71	Vertical
2	10642.875	43.48	38.56	-37.79	44.26	74.00	29.74	Vertical
3	13997.0417	42.13	40.80	-34.80	48.12	68.30	20.18	Vertical



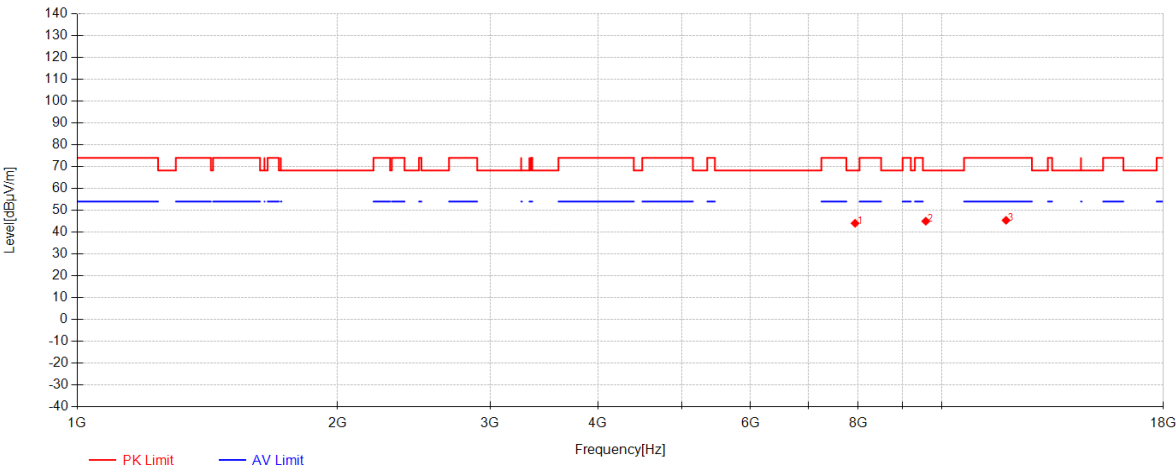
11a_TX_CH_40_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8004.5833	49.63	37.10	-42.09	44.63	68.30	23.67	Horizontal
2	9581.0417	47.07	37.66	-39.34	45.39	68.30	22.91	Horizontal
3	11511.6042	42.07	38.86	-36.56	44.36	74.00	29.64	Horizontal



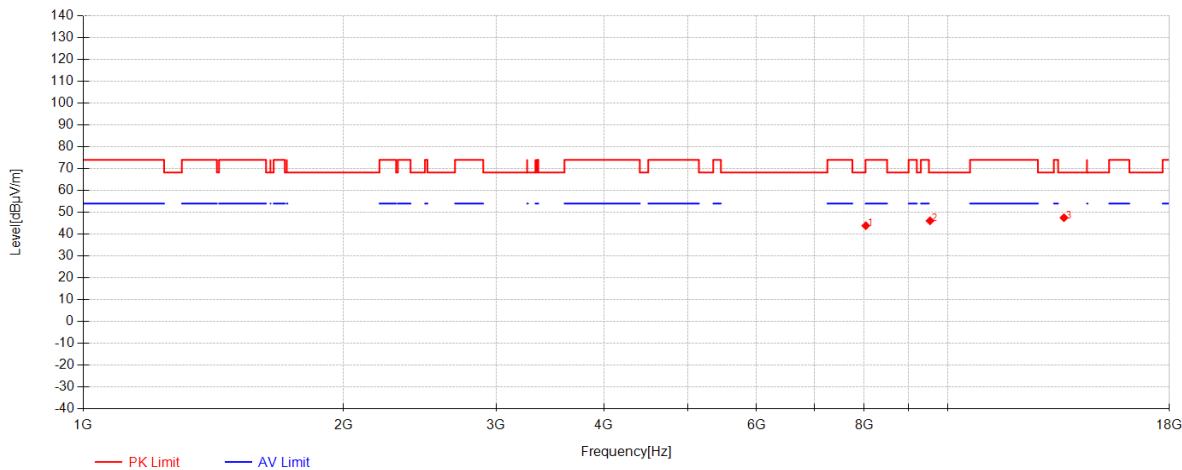
11a_TX_CH_40_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7930.3125	49.62	37.00	-42.56	44.07	68.30	24.23	Vertical
2	9573.375	46.77	37.65	-39.40	45.01	68.30	23.29	Vertical
3	11854.2083	43.67	39.03	-37.28	45.42	74.00	28.58	Vertical



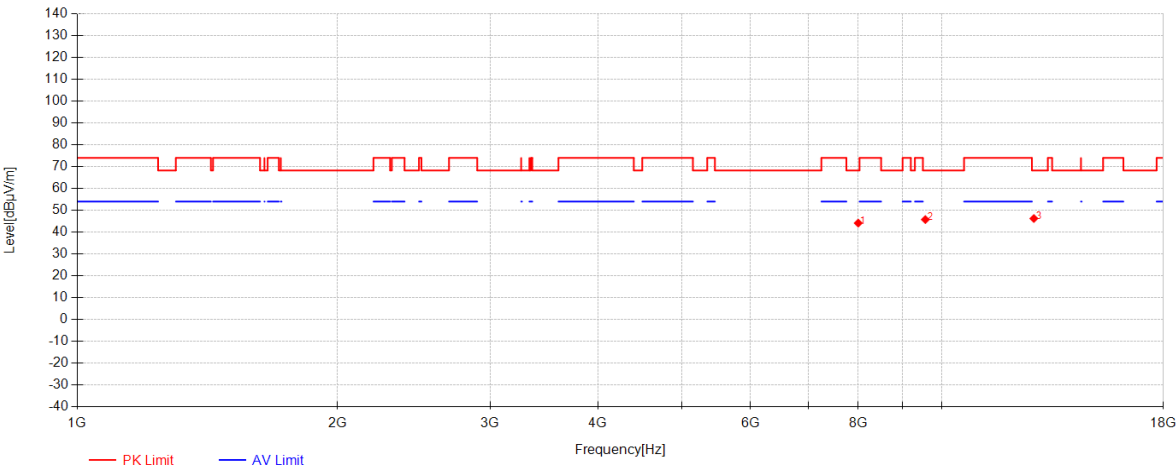
11a_TX_CH_48_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8030.9375	48.68	37.08	-41.89	43.88	74.00	30.12	Horizontal
2	9529.2917	48.32	37.56	-39.74	46.14	68.30	22.16	Horizontal
3	13611.3125	43.31	40.26	-36.03	47.53	68.30	20.77	Horizontal



11a_TX_CH_48_Veritical



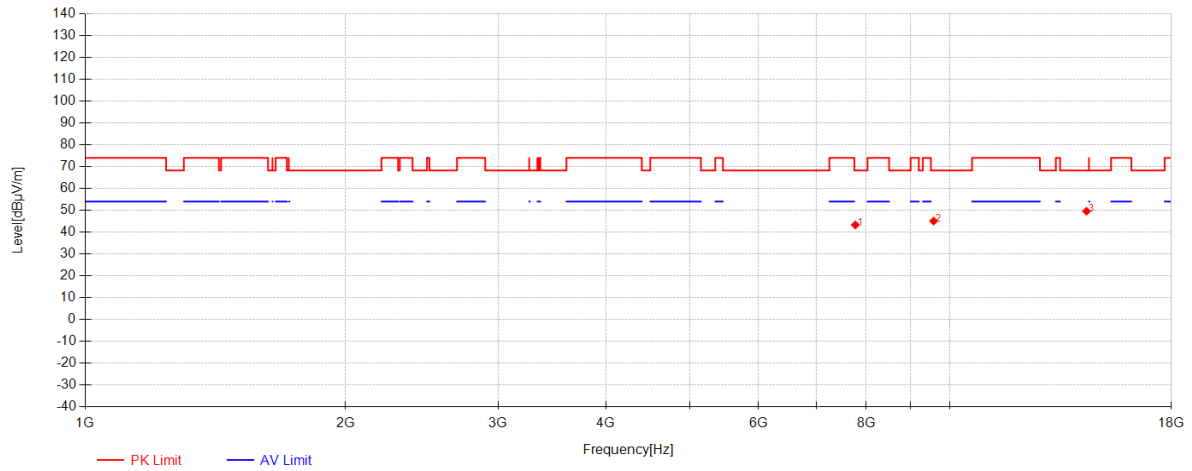
Data List								
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1	7996.9167	49.20	37.10	-42.15	44.15	68.30	24.15	Vertical
2	9561.3958	47.65	37.62	-39.49	45.78	68.30	22.52	Vertical
3	12765.1042	43.62	39.33	-36.69	46.26	68.30	22.04	Vertical



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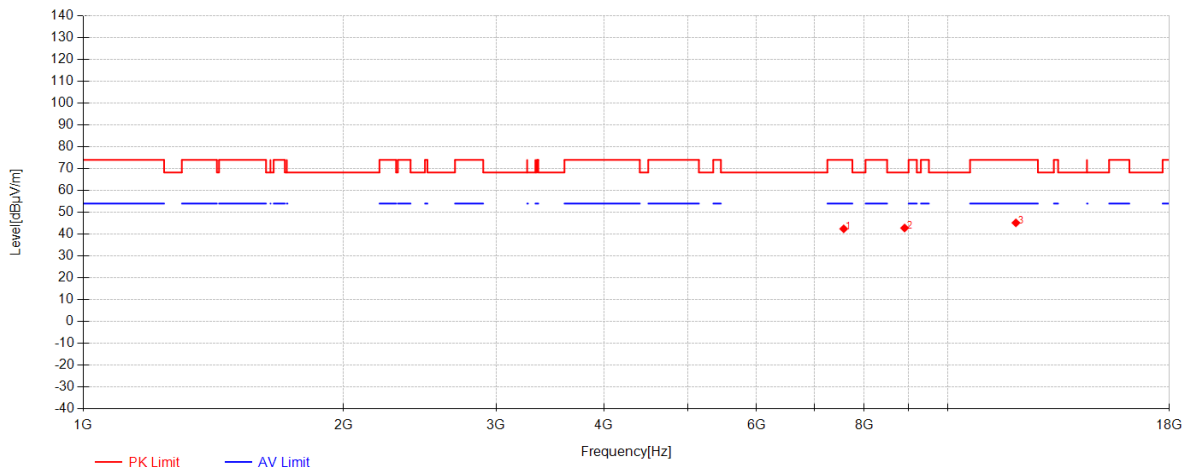
11a_TX_CH_52_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7767.875	49.25	36.78	-42.70	43.33	68.30	24.97	Horizontal
2	9568.1042	46.91	37.64	-39.44	45.10	68.30	23.20	Horizontal
3	14377.5	43.75	41.10	-35.26	49.60	68.30	18.70	Horizontal



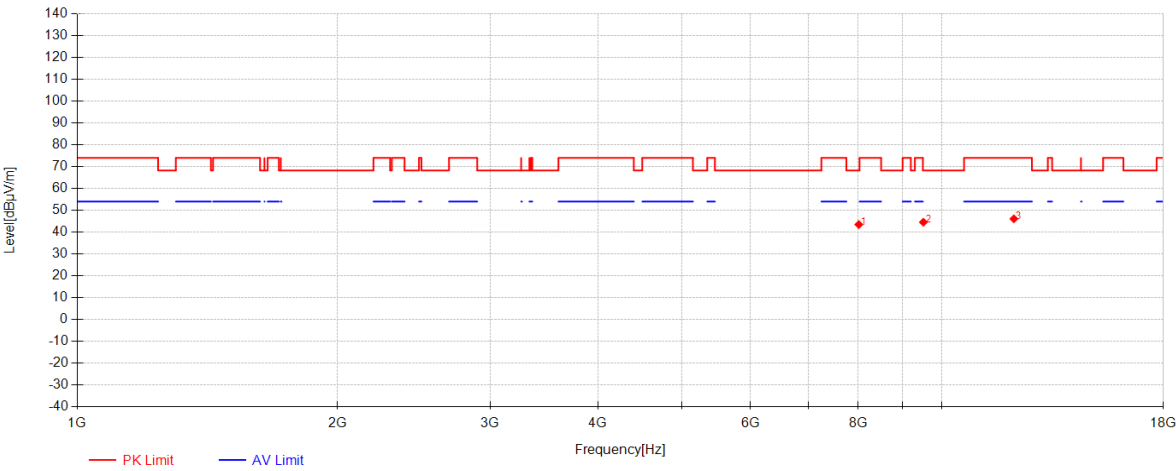
11a_TX_CH_52_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7572.375	48.81	36.50	-42.86	42.45	74.00	31.55	Vertical
2	8905.4167	47.17	36.56	-40.91	42.82	68.30	25.48	Vertical
3	11975.9167	43.32	39.09	-37.22	45.19	74.00	28.81	Vertical



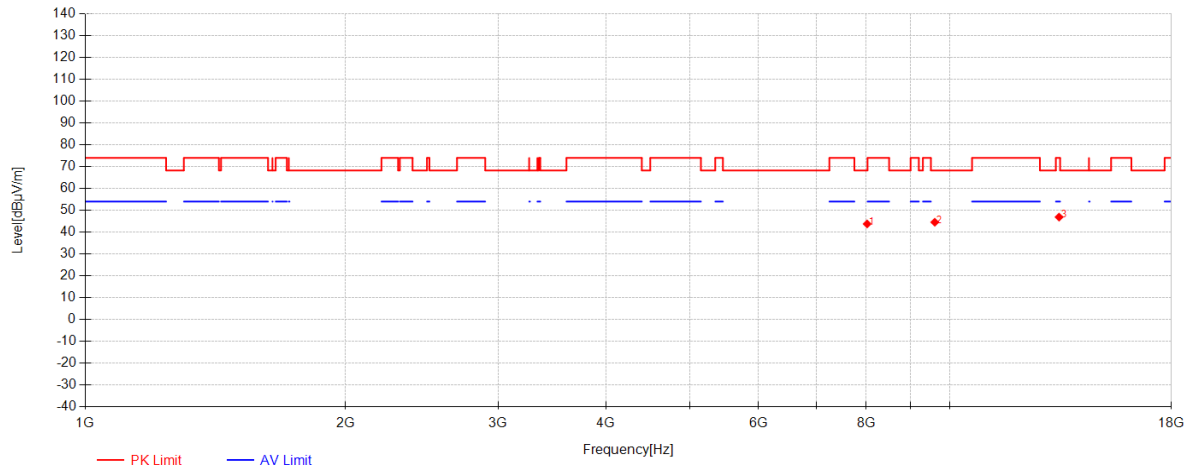
11a_TX_CH_60_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8010.3333	48.45	37.09	-42.05	43.50	68.30	24.80	Horizontal
2	9513	46.90	37.53	-39.86	44.56	68.30	23.74	Horizontal
3	12103.375	44.17	39.13	-37.19	46.11	74.00	27.89	Horizontal



11a_TX_CH_60_Vertical



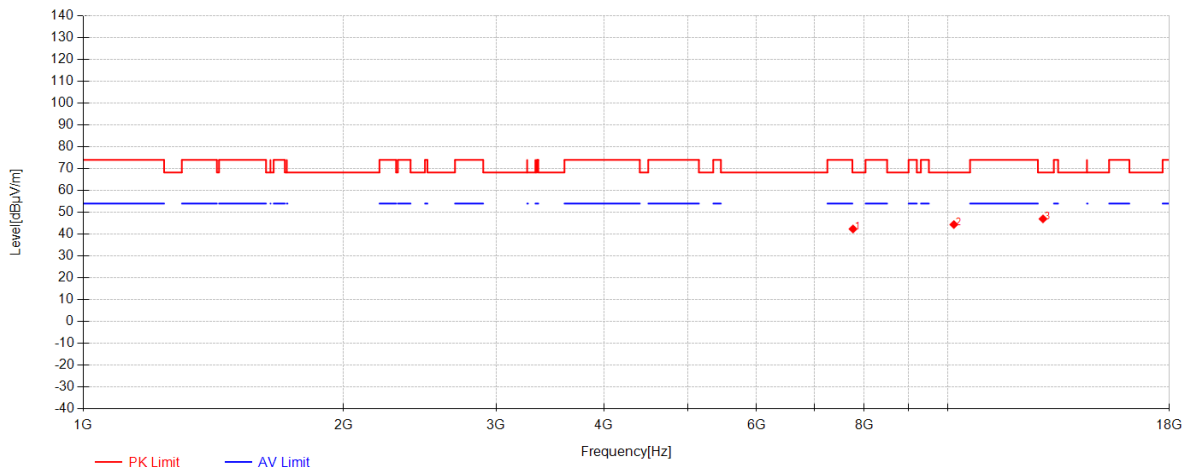
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8017.0417	48.68	37.09	-42.00	43.77	68.30	24.53	Vertical
2	9598.2917	46.06	37.70	-39.21	44.54	68.30	23.76	Vertical
3	13364.0625	43.40	39.91	-36.41	46.90	74.00	27.10	Vertical



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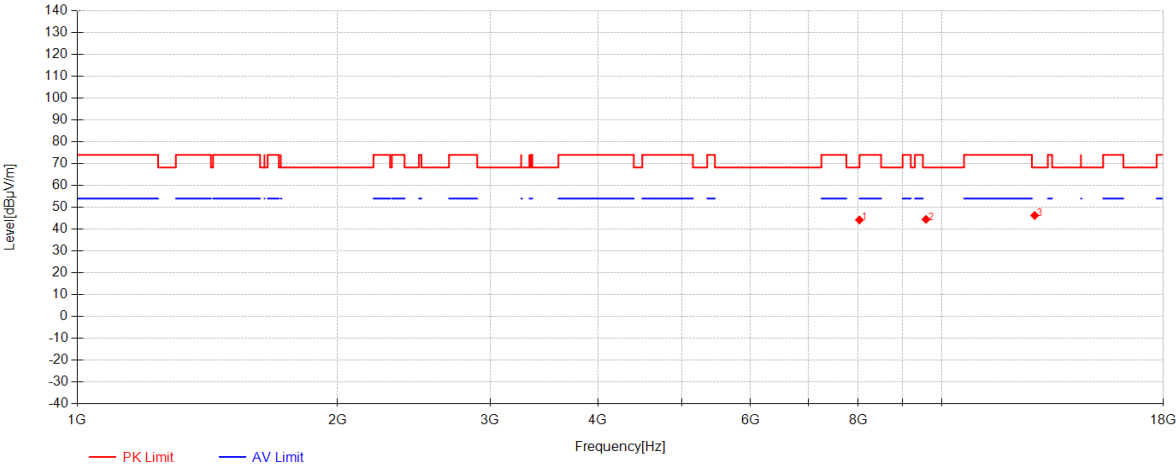
11a_TX_CH_64_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7762.125	48.31	36.77	-42.72	42.36	68.30	25.94	Horizontal
2	10153.1667	44.90	38.52	-39.01	44.41	68.30	23.89	Horizontal
3	12872.9167	44.44	39.36	-36.80	47.00	68.30	21.30	Horizontal



11a_TX_CH_64_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8023.2708	49.07	37.09	-41.95	44.21	68.30	24.09	Vertical
2	9578.1667	46.19	37.66	-39.37	44.48	68.30	23.82	Vertical
3	12793.8542	43.56	39.34	-36.63	46.27	68.30	22.03	Vertical

7.4 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10 (2020) Section 6.10.5

Measurement Distance: 3m

Limit:

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

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C

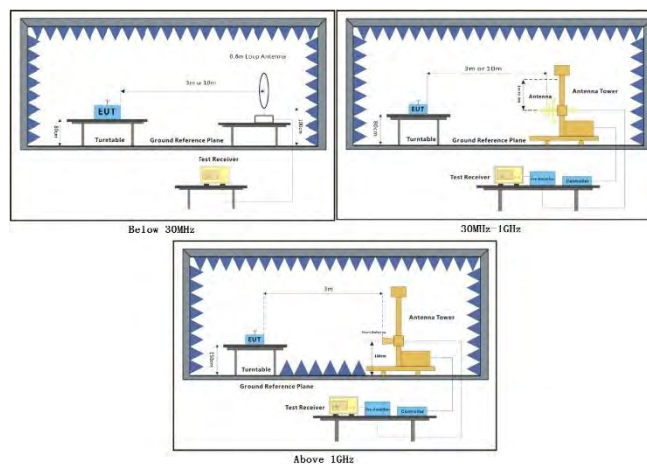
Humidity: 49.5 % RH

Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

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

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

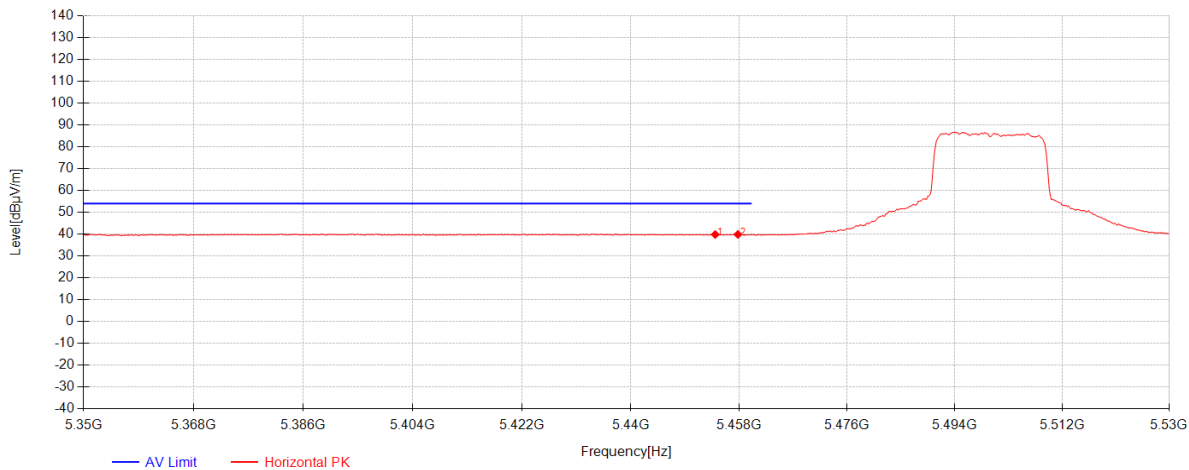
Remark 1: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$

Remark 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

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



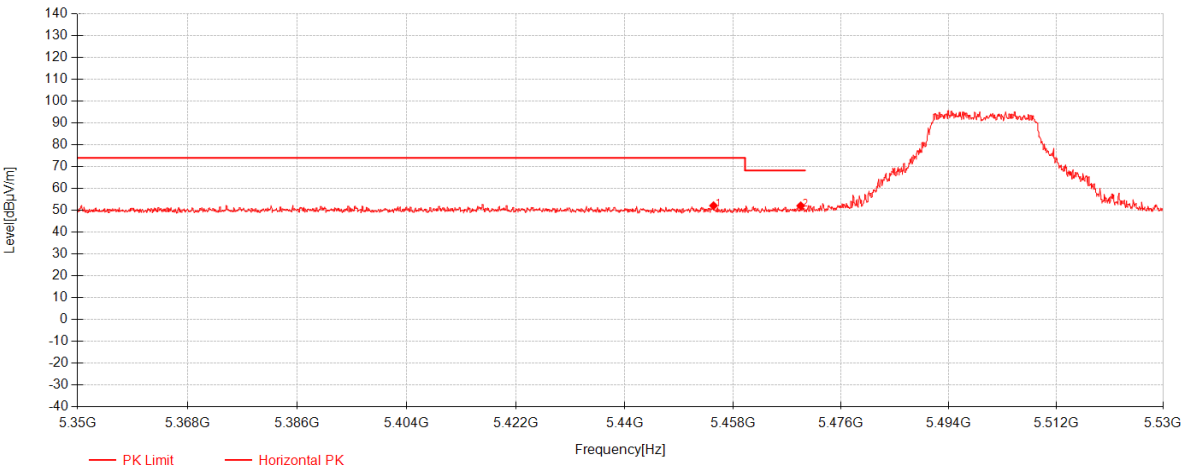
11ac(VHT20)_TX_CH_100_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5454.04	26.74	32.22	-19.11	39.85	54.00	14.15	Horizontal
2	5457.82	26.75	32.22	-19.11	39.86	54.00	14.14	Horizontal



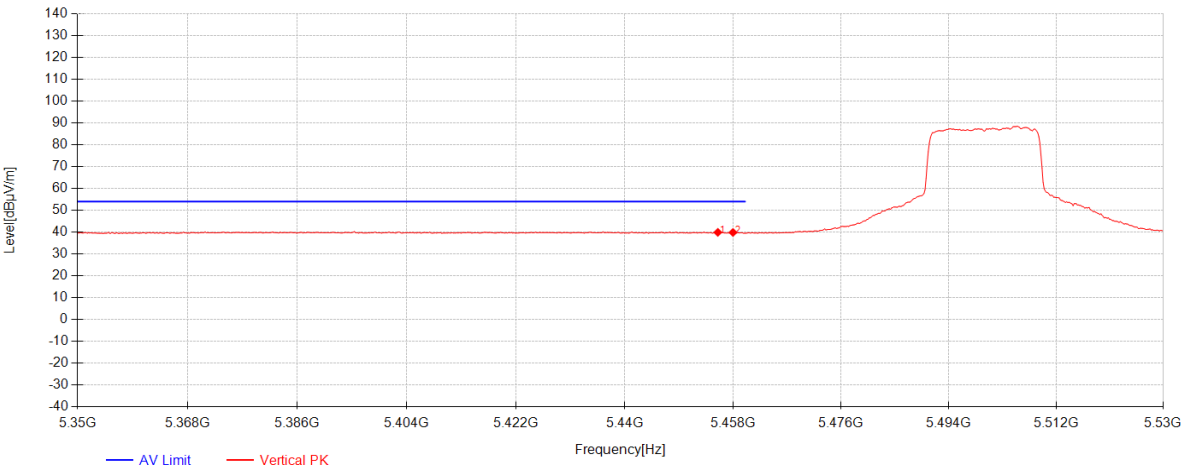
11ac(VHT20)_TX_CH_100_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5454.76	39.02	32.22	-19.11	52.13	74.00	21.87	Horizontal
2	5469.28	38.98	32.24	-19.13	52.09	68.30	16.21	Horizontal



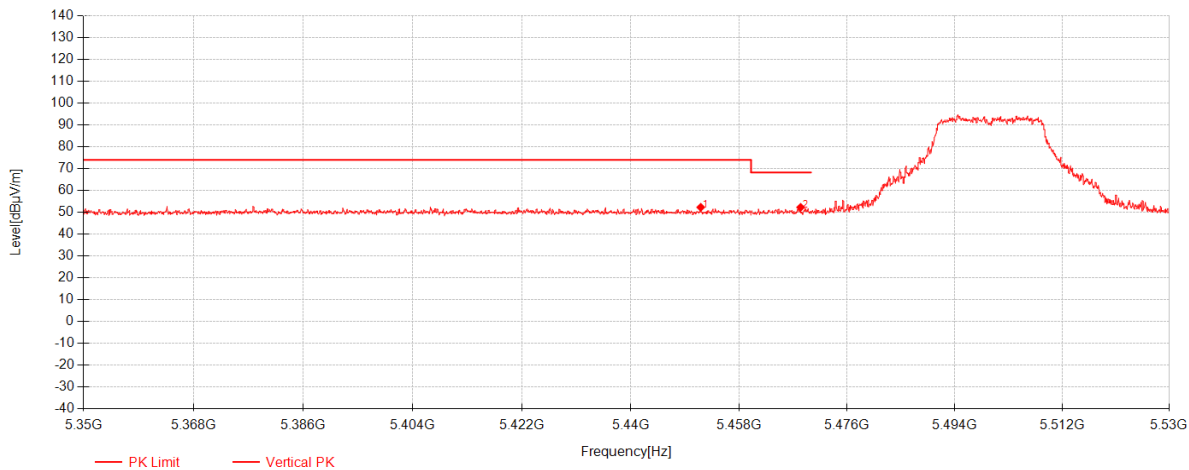
11ac(VHT20)_TX_CH_100_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5455.48	26.80	32.22	-19.11	39.91	54.00	14.09	Vertical
2	5458	26.76	32.22	-19.11	39.87	54.00	14.13	Vertical



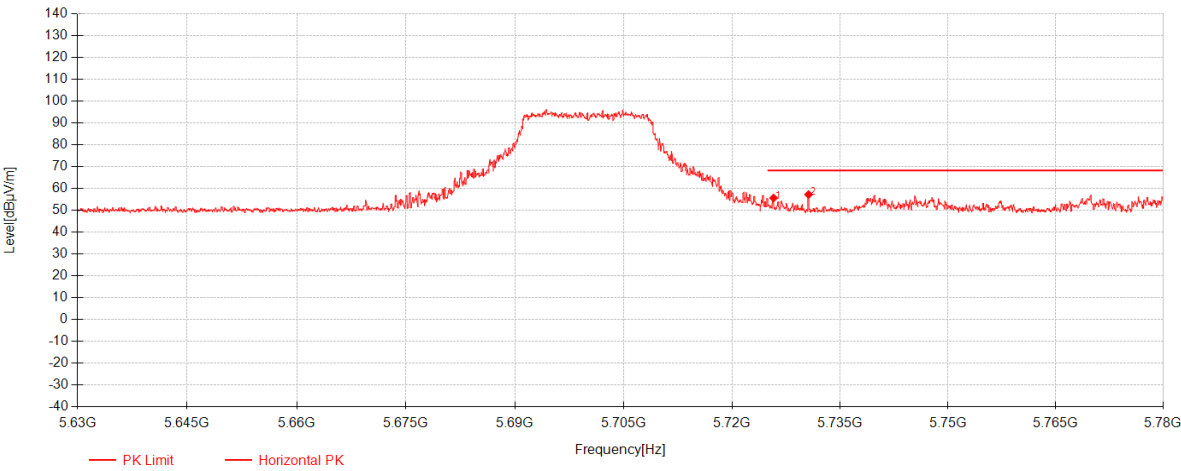
11ac(VHT20)_TX_CH_100_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5451.64	39.20	32.21	-19.10	52.31	74.00	21.69	Vertical
2	5468.26	39.18	32.24	-19.13	52.29	68.30	16.01	Vertical



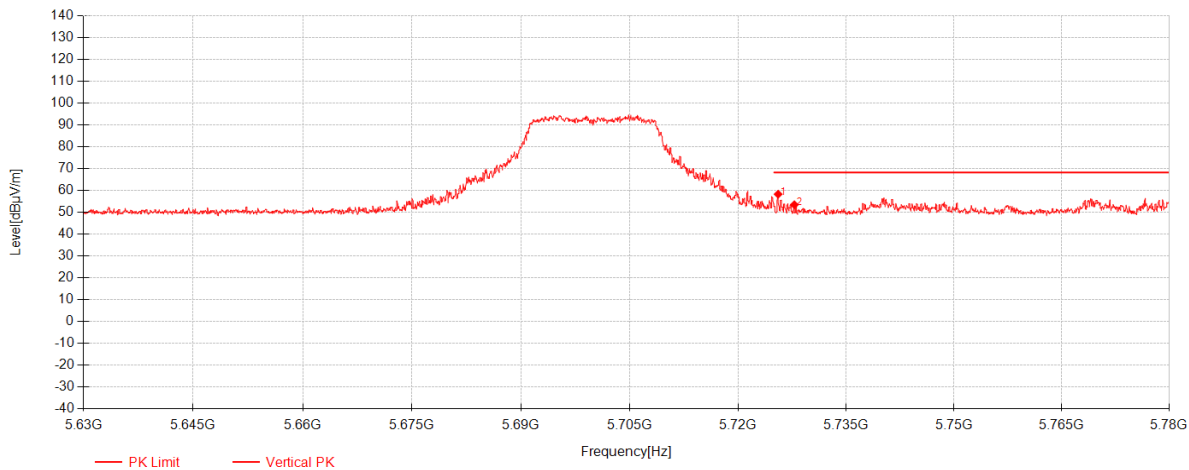
11ac(VHT20)_TX_CH_140_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.75	42.12	32.35	-18.81	55.66	68.30	12.64	Horizontal
2	5730.6	43.73	32.35	-18.82	57.25	68.30	11.05	Horizontal



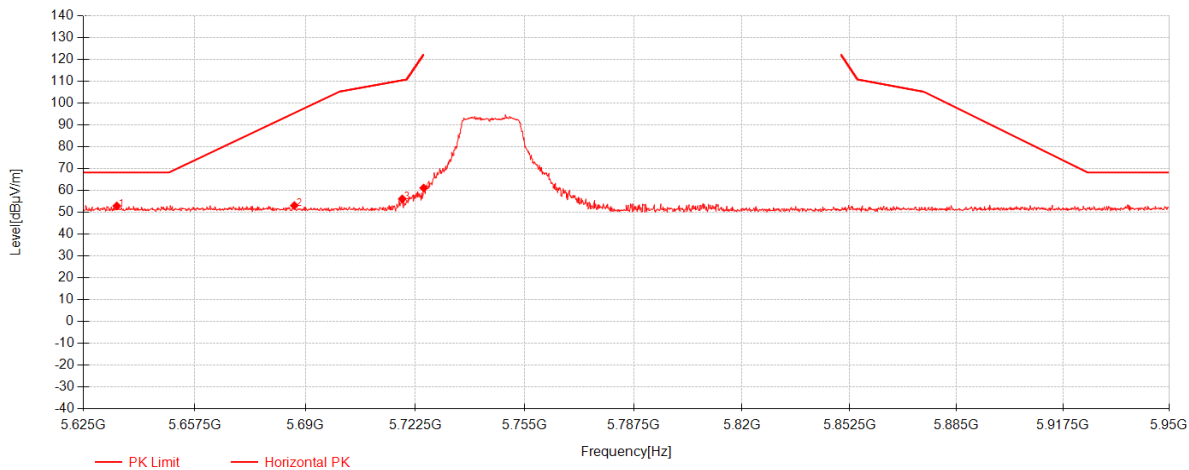
11ac(VHT20)_TX_CH_140_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.55	44.78	32.35	-18.81	58.32	68.30	9.98	Vertical
2	5727.8	39.95	32.35	-18.81	53.48	68.30	14.82	Vertical



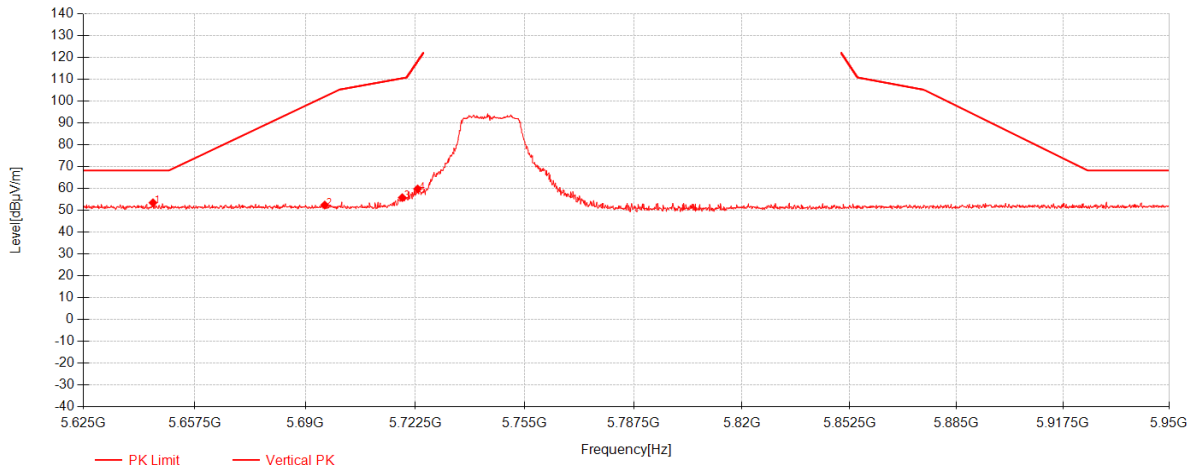
11ac(VHT20)_TX_CH_149_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5634.75	39.34	32.33	-18.72	52.94	68.30	15.36	Horizontal
2	5686.75	39.49	32.34	-18.73	53.10	95.53	42.43	Horizontal
3	5718.6	42.60	32.34	-18.79	56.16	110.51	54.35	Horizontal
4	5724.9375	47.61	32.34	-18.80	61.15	122.16	61.01	Horizontal



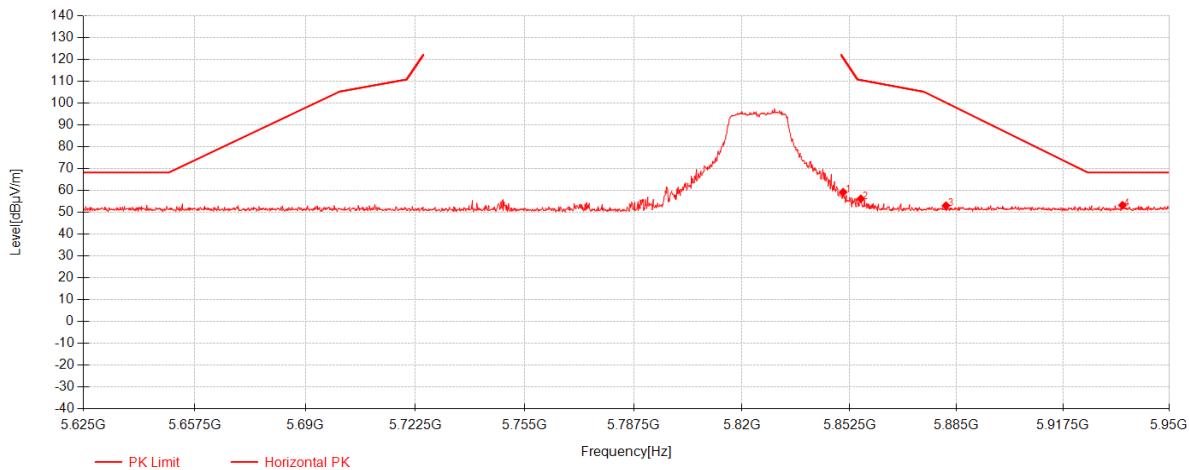
11ac(VHT20)_TX_CH_149_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5645.3125	39.88	32.33	-18.72	53.48	68.30	14.82	Vertical
2	5695.6875	38.81	32.34	-18.73	52.42	102.12	49.70	Vertical
3	5718.6	42.26	32.34	-18.79	55.82	110.51	54.69	Vertical
4	5723.15	46.27	32.34	-18.80	59.82	118.08	58.26	Vertical



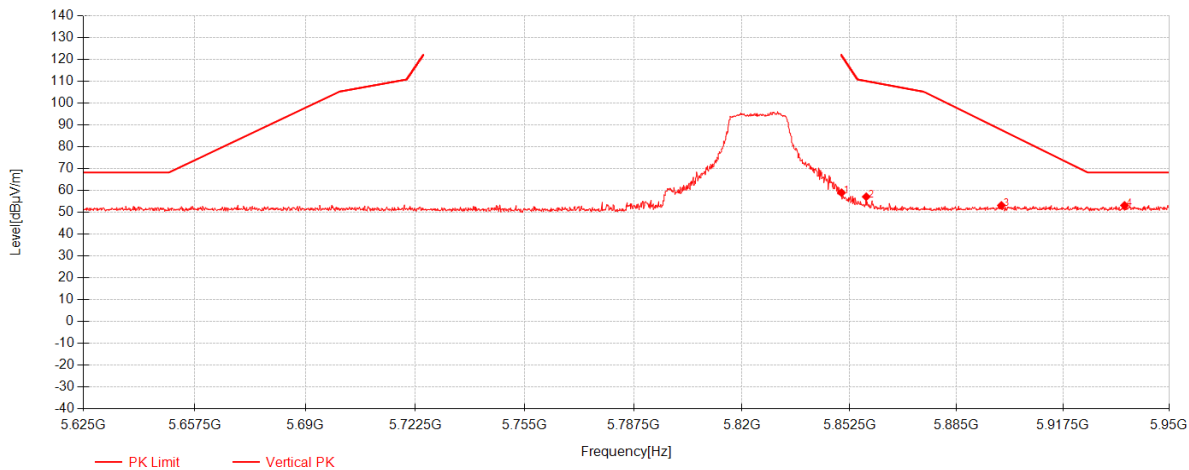
11ac(VHT20)_TX_CH_165_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.55	45.74	32.37	-18.88	59.23	121.05	61.82	Horizontal
2	5855.9125	42.69	32.37	-18.87	56.19	110.64	54.45	Horizontal
3	5881.75	39.48	32.38	-18.79	53.06	100.29	47.23	Horizontal
4	5935.7	39.68	32.39	-18.81	53.25	68.30	15.05	Horizontal



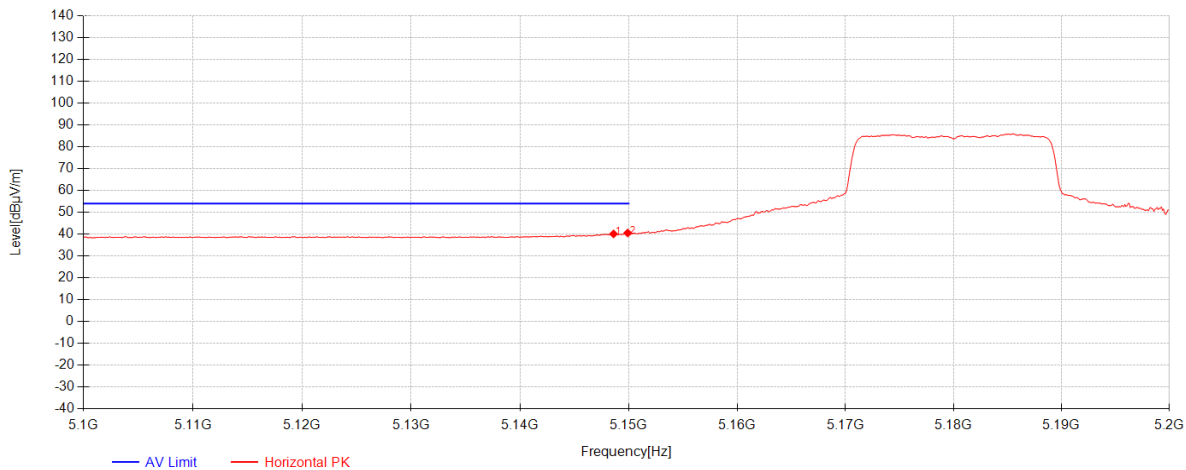
11ac(VHT20)_TX_CH_165_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5850.0625	45.51	32.37	-18.88	59.00	122.16	63.16	Vertical
2	5857.5375	43.64	32.37	-18.86	57.15	110.19	53.04	Vertical
3	5898.65	39.52	32.38	-18.74	53.16	87.76	34.60	Vertical
4	5936.35	39.60	32.39	-18.82	53.17	68.30	15.13	Vertical



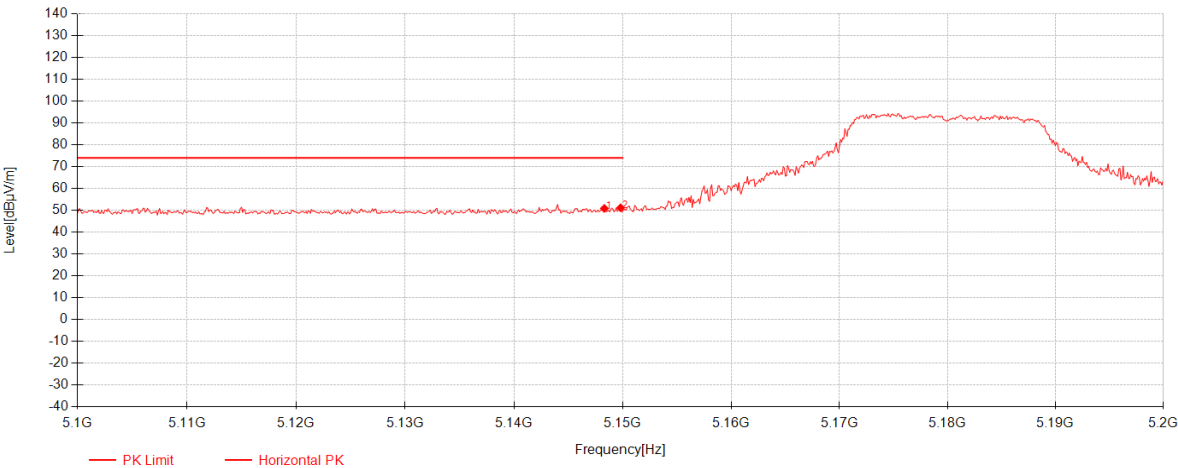
11ac(VHT20)_TX_CH_36_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.6	27.59	31.67	-19.14	40.11	54.00	13.89	Horizontal
2	5149.9	27.99	31.67	-19.14	40.52	54.00	13.48	Horizontal



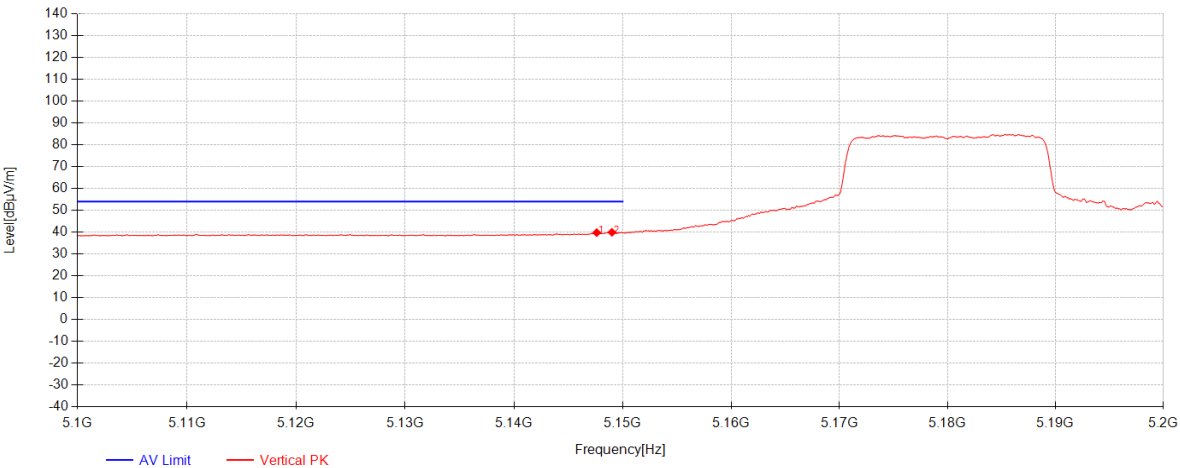
11ac(VHT20)_TX_CH_36_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5148.3	38.36	31.67	-19.14	50.88	74.00	23.12	Horizontal
2	5149.8	38.64	31.67	-19.14	51.17	74.00	22.83	Horizontal



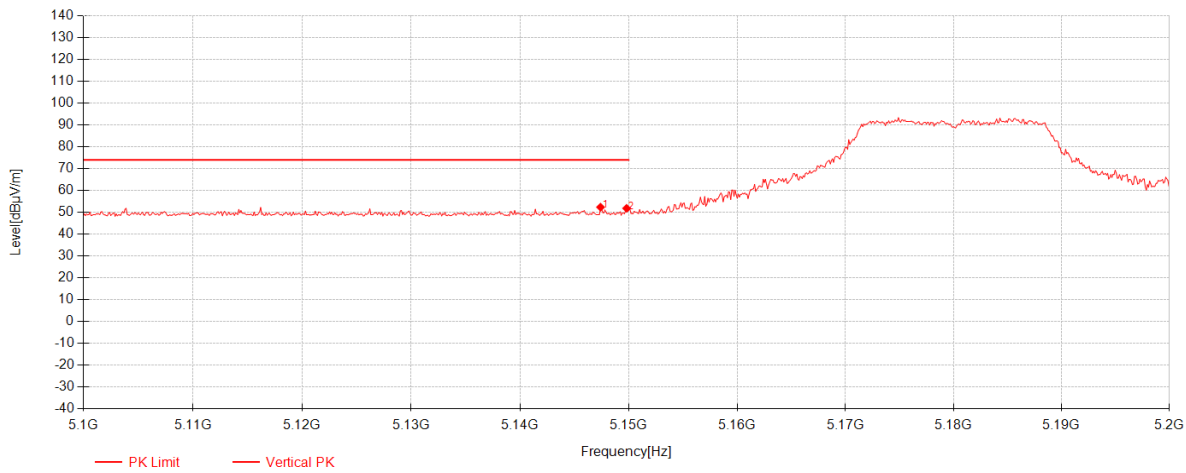
11ac(VHT20)_TX_CH_36_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.6	27.25	31.67	-19.15	39.77	54.00	14.23	Vertical
2	5149	27.39	31.67	-19.14	39.92	54.00	14.08	Vertical



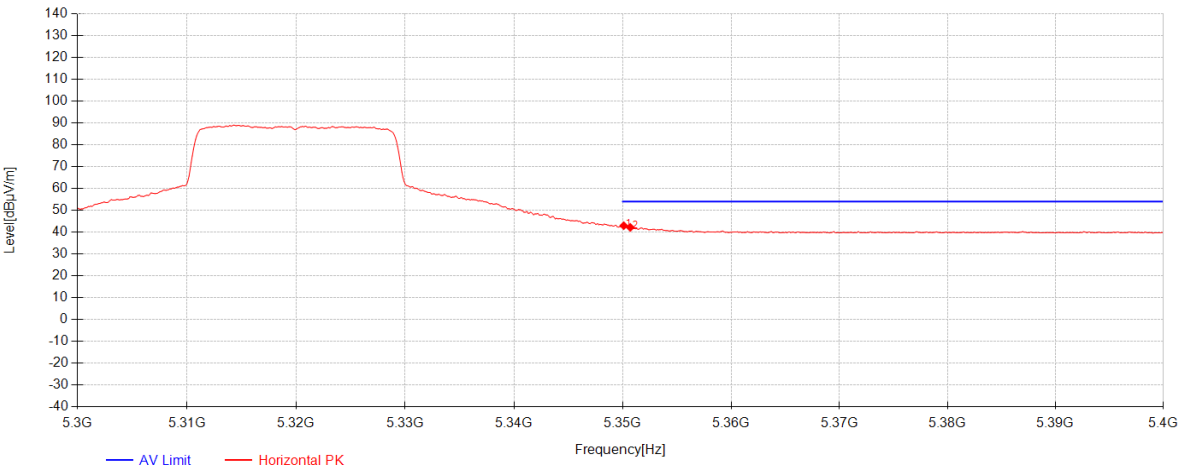
11ac(VHT20)_TX_CH_36_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.4	39.84	31.67	-19.15	52.36	74.00	21.64	Vertical
2	5149.8	39.31	31.67	-19.14	51.84	74.00	22.16	Vertical



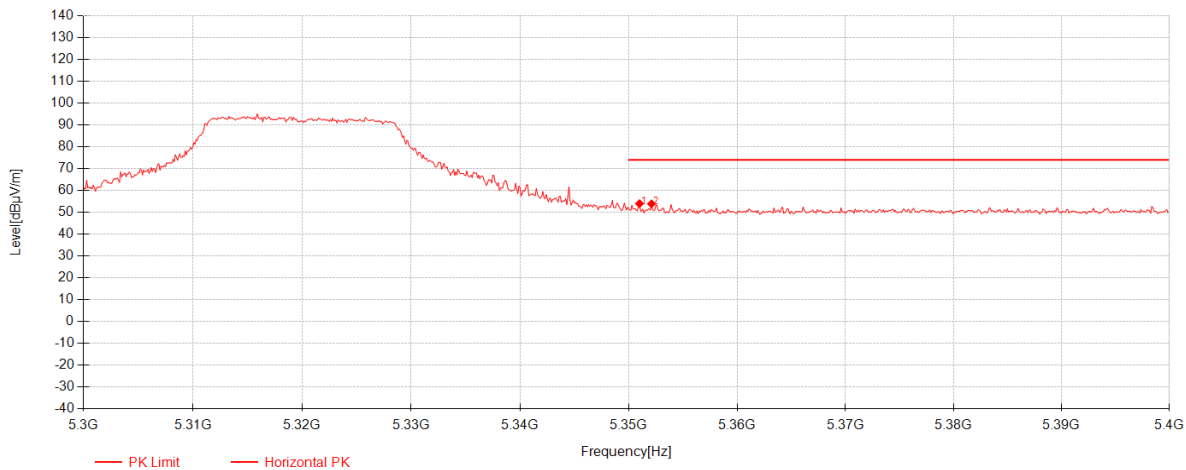
11ac(VHT20)_TX_CH_64_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.1	29.83	32.03	-18.90	42.96	54.00	11.04	Horizontal
2	5350.7	29.04	32.03	-18.90	42.17	54.00	11.83	Horizontal



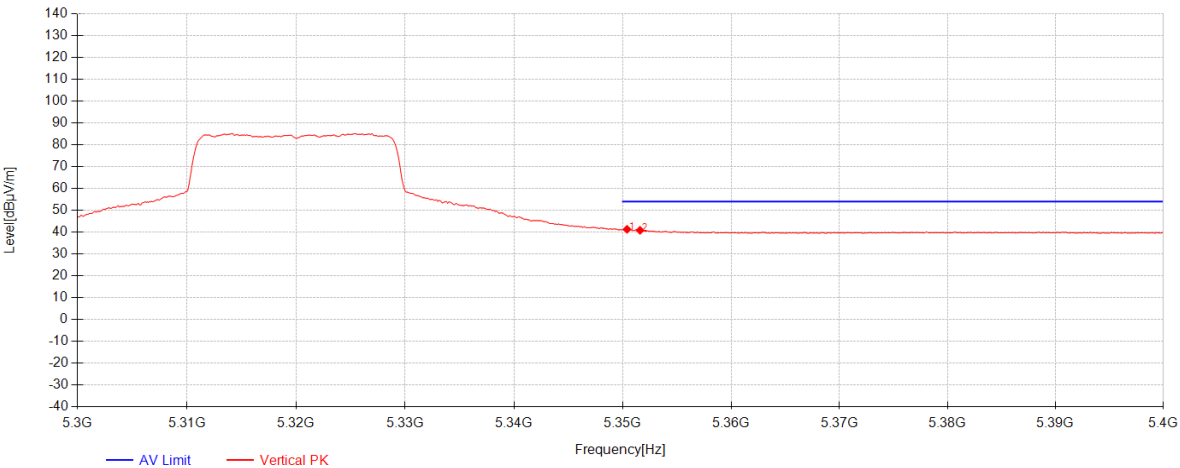
11ac(VHT20)_TX_CH_64_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351	40.85	32.03	-18.90	53.98	74.00	20.02	Horizontal
2	5352.1	40.77	32.03	-18.91	53.90	74.00	20.10	Horizontal



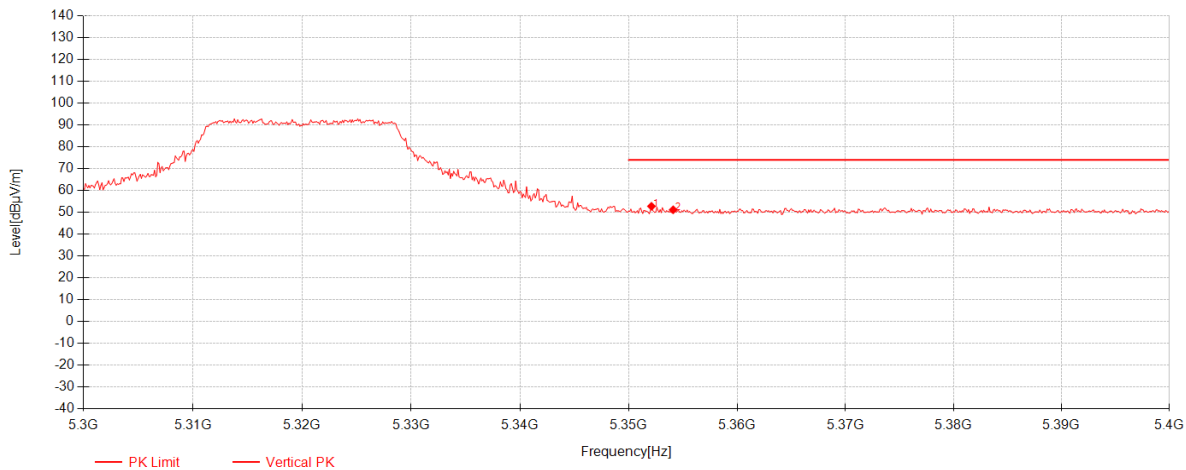
11ac(VHT20)_TX_CH_64_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.4	28.18	32.03	-18.90	41.31	54.00	12.69	Vertical
2	5351.6	27.71	32.03	-18.90	40.84	54.00	13.16	Vertical



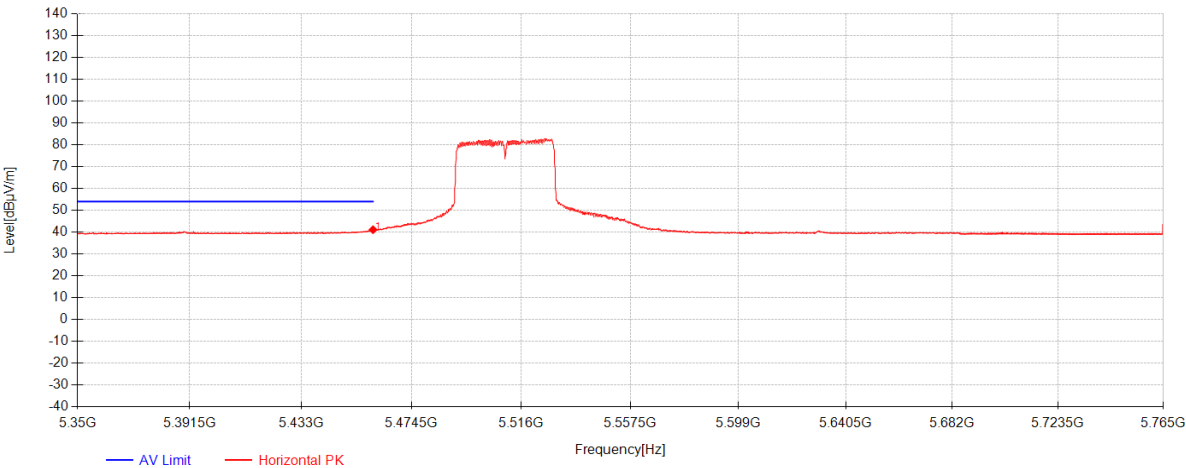
11ac(VHT20)_TX_CH_64_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.1	39.64	32.03	-18.91	52.77	74.00	21.23	Vertical
2	5354.1	38.03	32.04	-18.91	51.16	74.00	22.84	Vertical



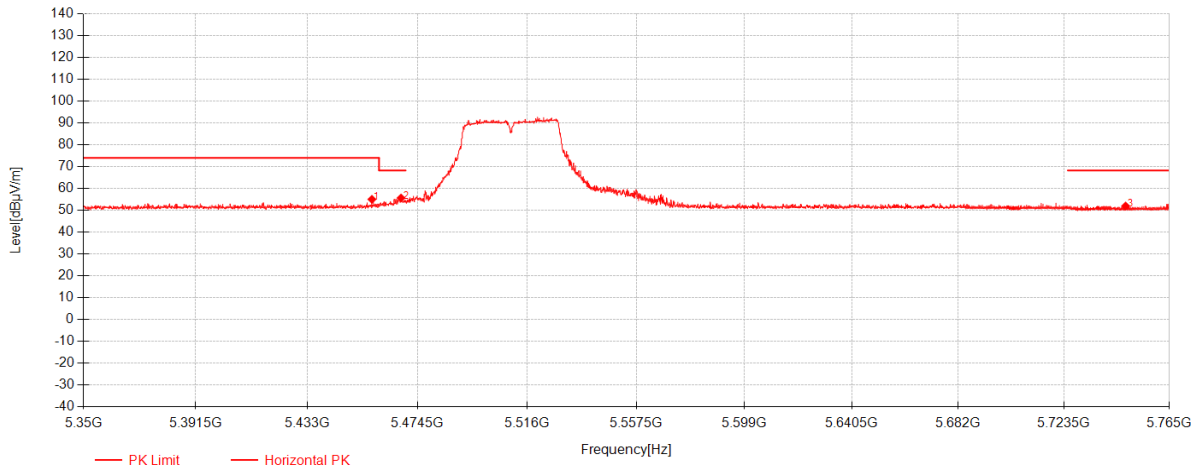
11ac(VHT40)_TX_CH_102_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5459.9917	28.01	32.23	-19.12	41.12	54.00	12.88	Horizontal



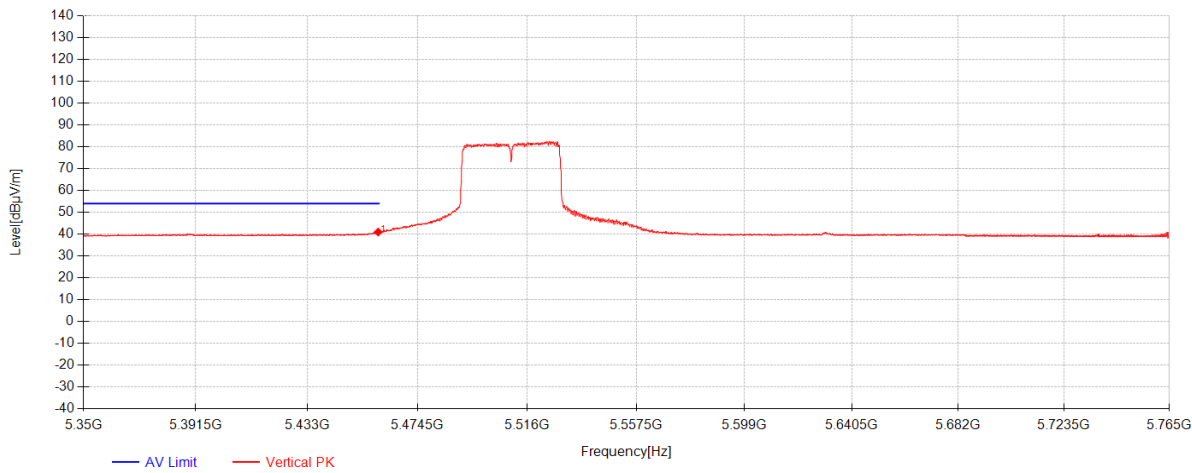
11ac(VHT40)_TX_CH_102_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5457.3117	41.94	32.22	-19.11	55.05	74.00	18.95	Horizontal
2	5468.255	42.55	32.24	-19.13	55.66	68.30	12.64	Horizontal
3	5747.83	38.49	32.35	-18.87	51.97	68.30	16.33	Horizontal



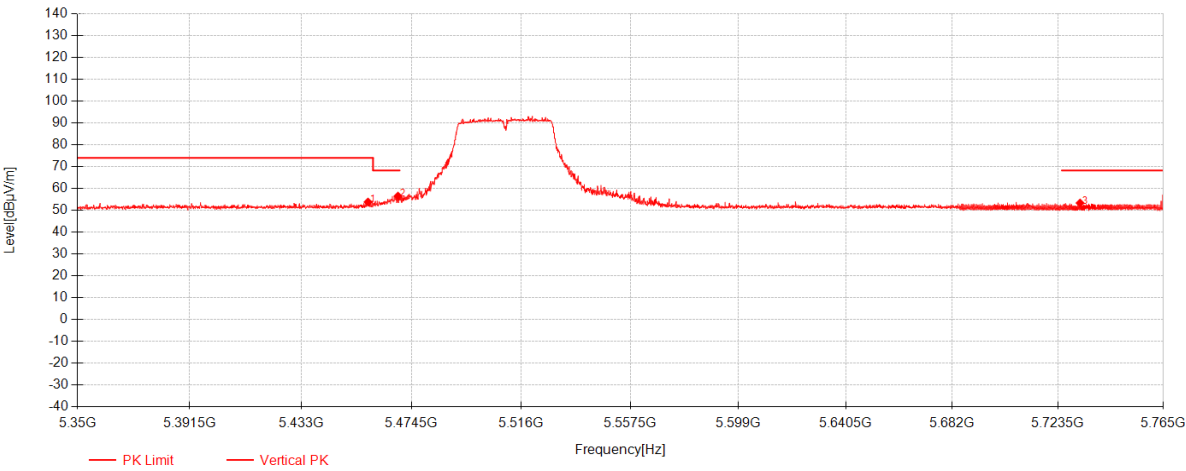
11ac(VHT40)_TX_CH_102_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5459.6567	27.87	32.23	-19.12	40.98	54.00	13.02	Vertical



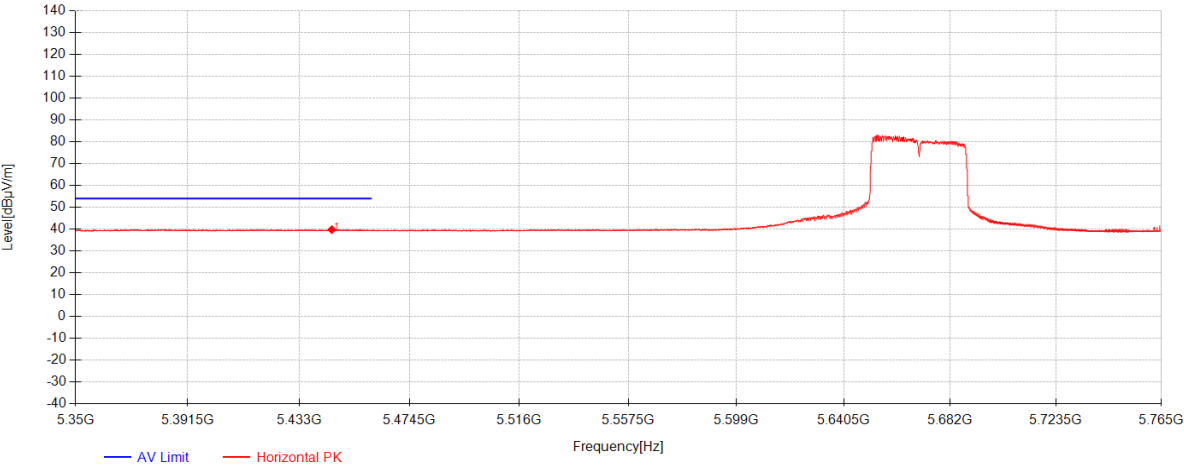
11ac(VHT40)_TX_CH_102_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5458.0933	40.70	32.22	-19.11	53.81	74.00	20.19	Vertical
2	5469.3717	43.43	32.24	-19.13	56.54	68.30	11.76	Vertical
3	5732.2	39.84	32.35	-18.83	53.36	68.30	14.94	Vertical



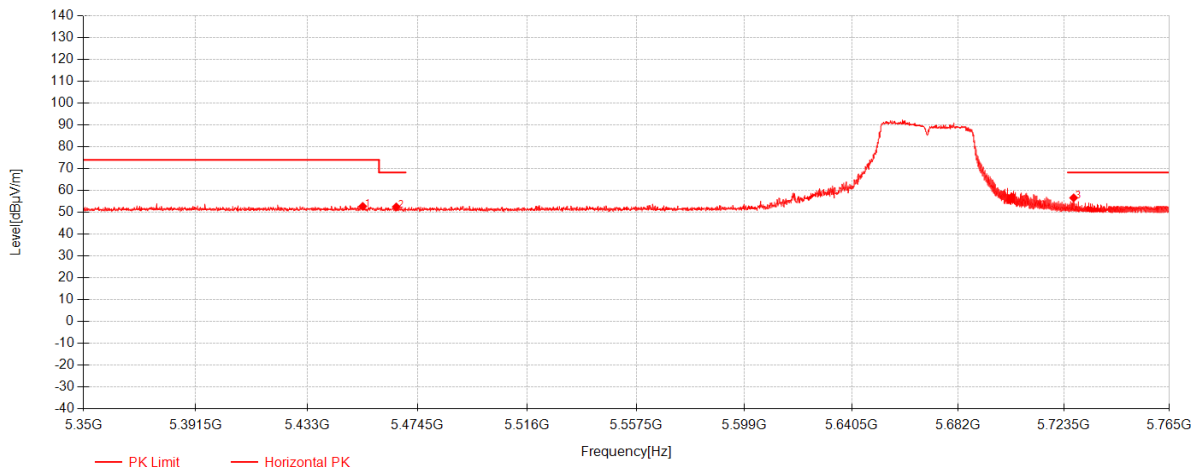
11ac(VHT40)_TX_CH_134_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.2517	26.65	32.20	-19.09	39.76	54.00	14.24	Horizontal



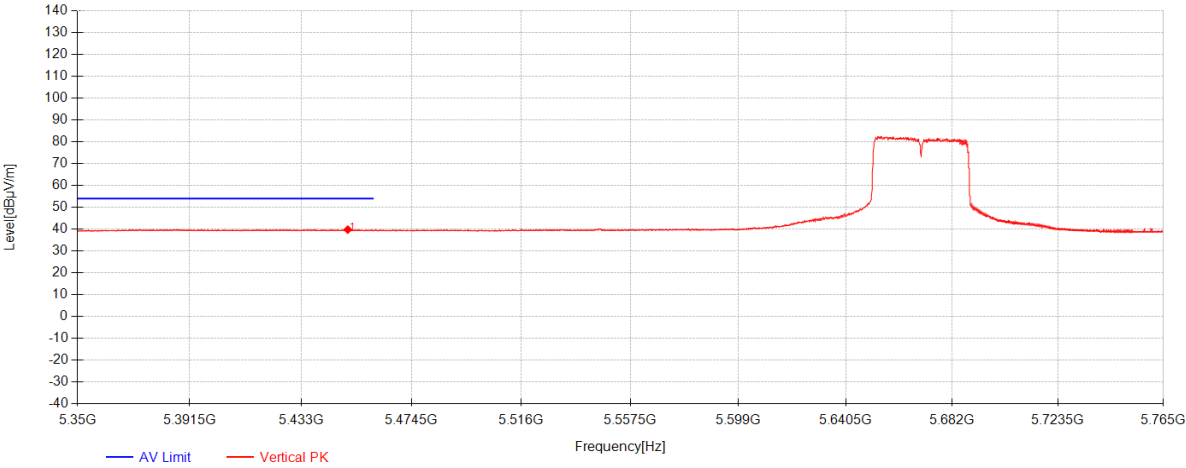
11ac(VHT40)_TX_CH_134_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5453.85	39.63	32.22	-19.11	52.74	74.00	21.26	Horizontal
2	5466.4683	39.38	32.24	-19.13	52.49	68.30	15.81	Horizontal
3	5727.32	43.12	32.35	-18.81	56.65	68.30	11.65	Horizontal



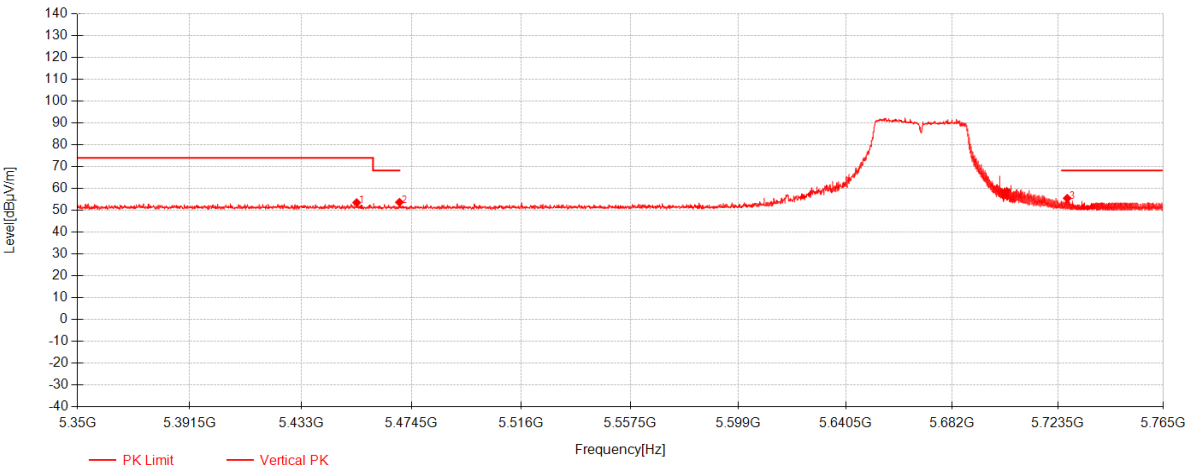
11ac(VHT40)_TX_CH_134_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5450.5	26.68	32.21	-19.10	39.79	54.00	14.21	Vertical



11ac(VHT40)_TX_CH_134_Vertical_Peak



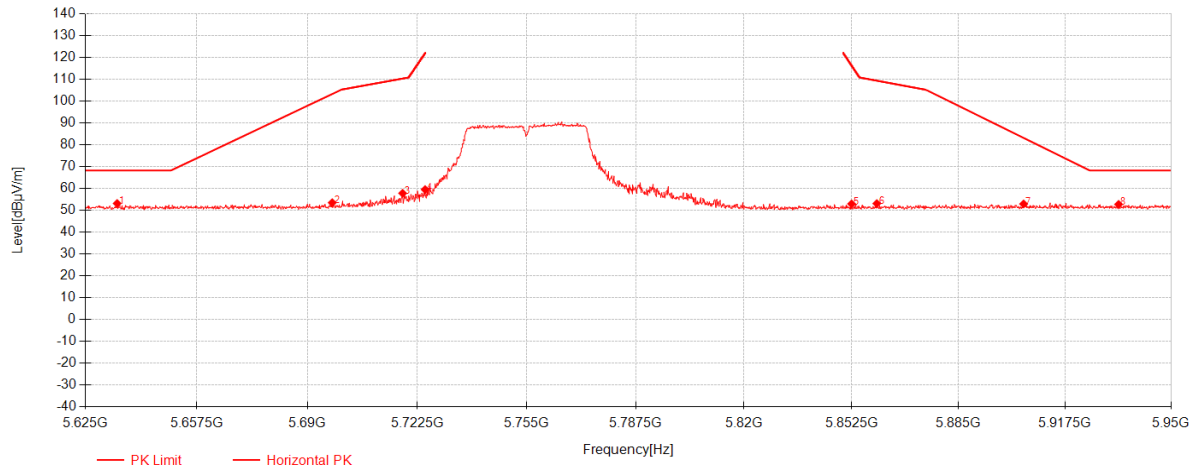
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5453.85	40.42	32.22	-19.11	53.53	74.00	20.47	Vertical
2	5469.93	40.58	32.25	-19.13	53.69	68.30	14.61	Vertical
3	5727.16	41.99	32.35	-18.81	55.52	68.30	12.78	Vertical



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11ac(VHT40)_TX_CH_151_Horizontal_Peak



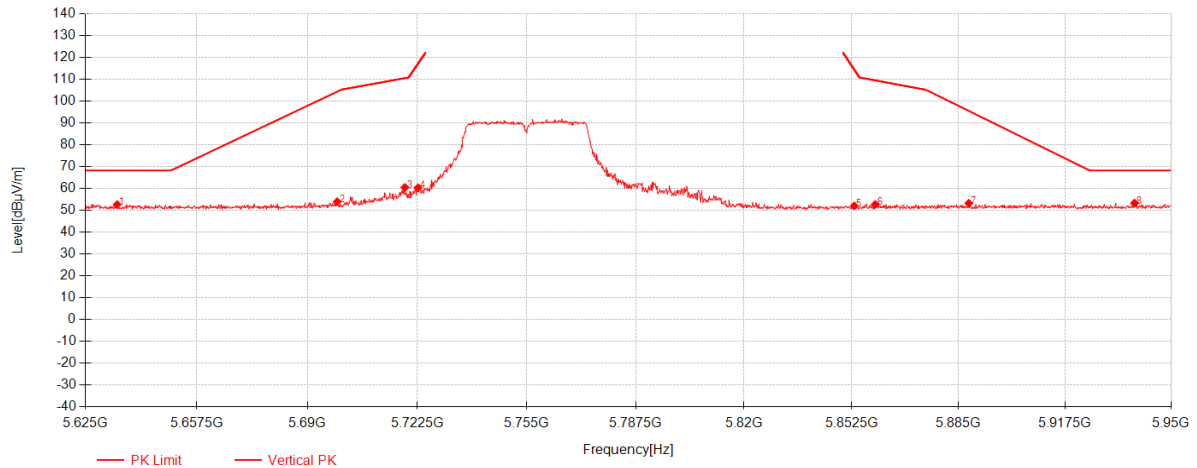
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5634.2625	39.58	32.33	-18.72	53.18	68.30	15.12	Horizontal
2	5697.3125	39.90	32.34	-18.73	53.51	103.32	49.81	Horizontal
3	5718.1125	44.26	32.34	-18.78	57.82	110.37	52.55	Horizontal
4	5724.775	45.99	32.34	-18.80	59.53	121.79	62.26	Horizontal
5	5852.5	39.48	32.37	-18.88	52.97	116.60	63.63	Horizontal
6	5860.1375	39.60	32.37	-18.86	53.12	109.46	56.34	Horizontal
7	5904.825	39.30	32.38	-18.75	52.93	83.19	30.26	Horizontal
8	5933.9125	39.17	32.39	-18.81	52.75	68.30	15.55	Horizontal



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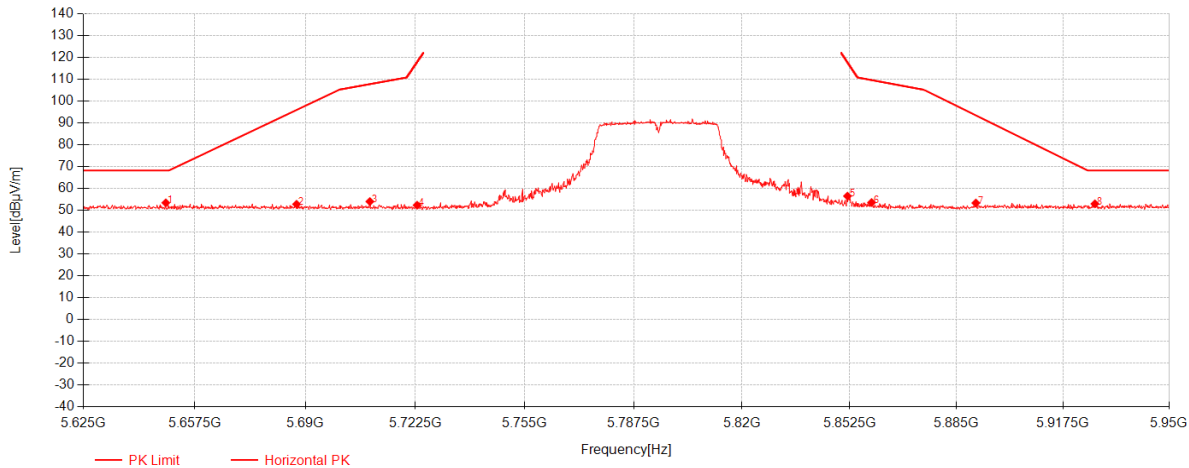
11ac(VHT40)_TX_CH_151_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5634.2625	39.07	32.33	-18.72	52.67	68.30	15.63	Vertical
2	5698.775	40.37	32.34	-18.73	53.98	104.40	50.42	Vertical
3	5718.7625	46.94	32.34	-18.79	60.50	110.55	50.05	Vertical
4	5722.6625	46.81	32.34	-18.80	60.36	116.97	56.61	Vertical
5	5853.3125	38.52	32.37	-18.88	52.02	114.75	62.73	Vertical
6	5859.65	39.22	32.37	-18.86	52.73	109.60	56.87	Vertical
7	5888.0875	39.65	32.38	-18.77	53.25	95.58	42.33	Vertical
8	5938.7875	39.76	32.39	-18.82	53.33	68.30	14.97	Vertical



11ac(VHT40)_TX_CH_159_Horizontal_Peak



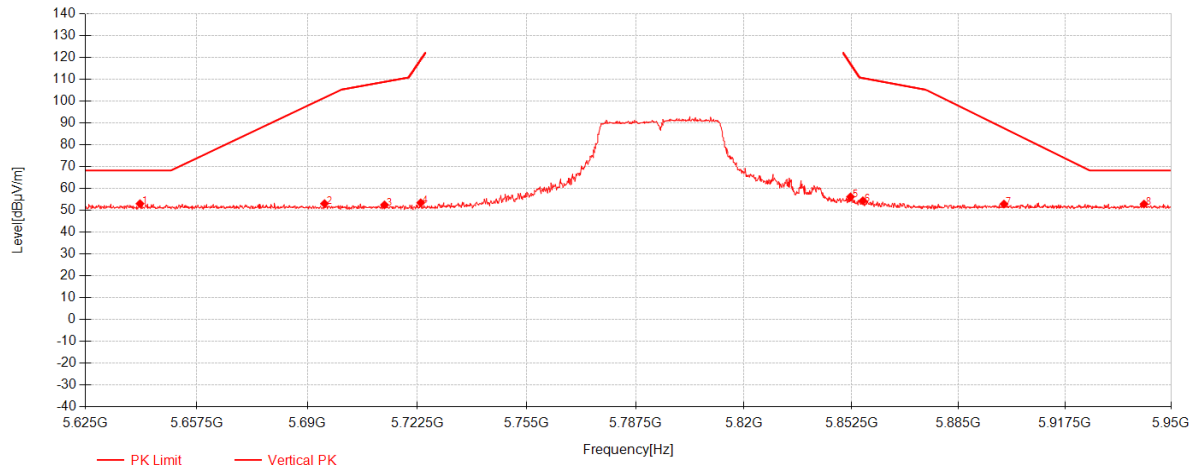
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5649.05	39.86	32.33	-18.72	53.46	68.30	14.84	Horizontal
2	5687.4	39.19	32.34	-18.73	52.80	96.01	43.21	Horizontal
3	5709.0125	40.45	32.34	-18.76	54.03	107.83	53.80	Horizontal
4	5722.9875	38.81	32.34	-18.80	52.36	117.71	65.35	Horizontal
5	5851.85	43.04	32.37	-18.88	56.53	118.08	61.55	Horizontal
6	5859.1625	40.07	32.37	-18.86	53.58	109.73	56.15	Horizontal
7	5890.85	39.77	32.38	-18.77	53.38	93.54	40.16	Horizontal
8	5927.25	39.39	32.39	-18.80	52.98	68.30	15.32	Horizontal



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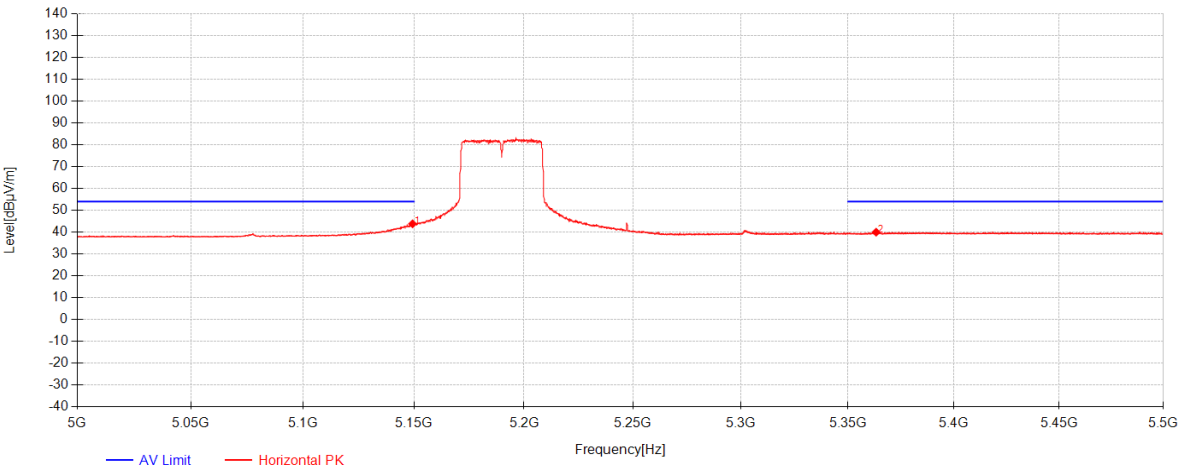
11ac(VHT40)_TX_CH_159_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5640.925	39.45	32.33	-18.72	53.05	68.30	15.25	Vertical
2	5695.0375	39.47	32.34	-18.73	53.08	101.64	48.56	Vertical
3	5712.75	38.93	32.34	-18.77	52.50	108.87	56.37	Vertical
4	5723.475	39.92	32.34	-18.80	53.46	118.82	65.36	Vertical
5	5852.175	42.71	32.37	-18.88	56.20	117.34	61.14	Vertical
6	5855.9125	40.90	32.37	-18.87	54.40	110.64	56.24	Vertical
7	5898.8125	39.23	32.38	-18.74	52.87	87.64	34.77	Vertical
8	5941.7125	39.31	32.39	-18.83	52.87	68.30	15.43	Vertical



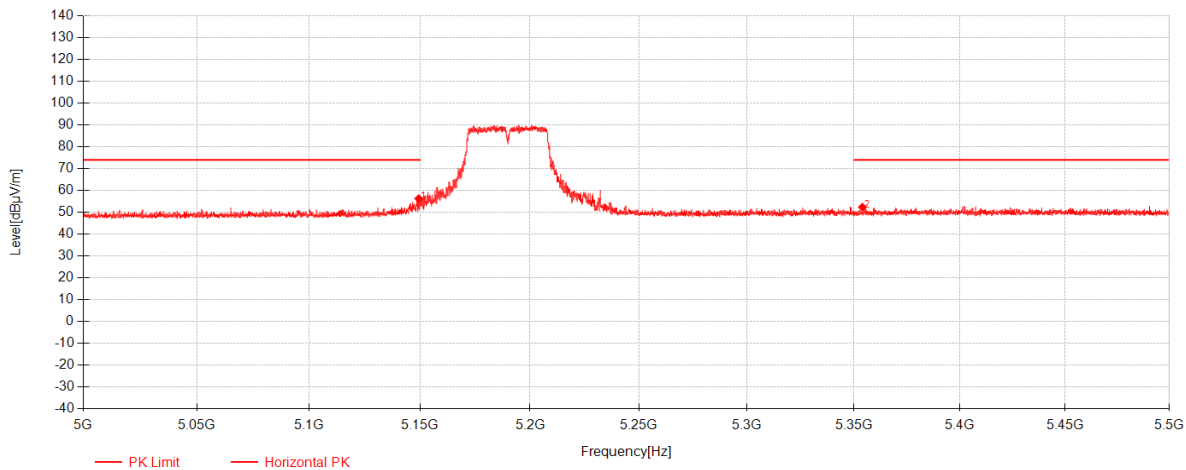
11ac(VHT40)_TX_CH_38_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.3267	31.28	31.67	-19.14	43.81	54.00	10.19	Horizontal
2	5363.23	26.87	32.05	-18.93	39.99	54.00	14.01	Horizontal



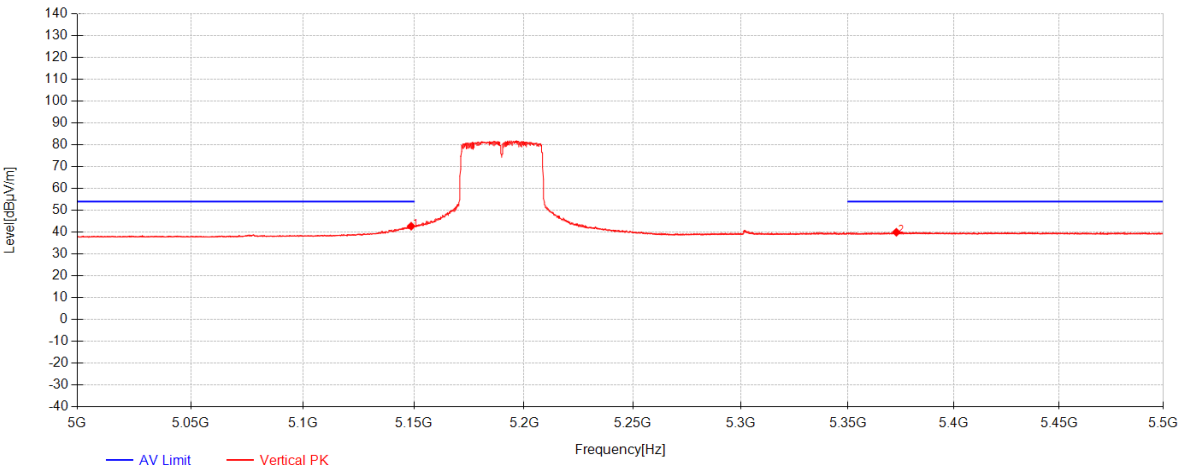
11ac(VHT40)_TX_CH_38_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.4025	43.75	31.67	-19.14	56.28	74.00	17.72	Horizontal
2	5353.96	39.24	32.04	-18.91	52.37	74.00	21.63	Horizontal



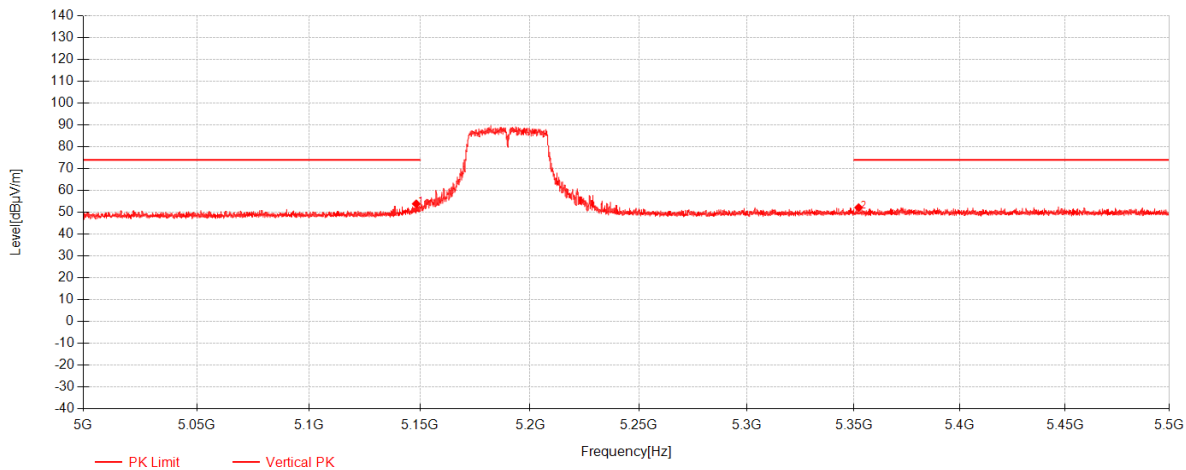
11ac(VHT40)_TX_CH_38_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.72	30.20	31.67	-19.14	42.72	54.00	11.28	Vertical
2	5372.77	26.84	32.07	-18.95	39.96	54.00	14.04	Vertical



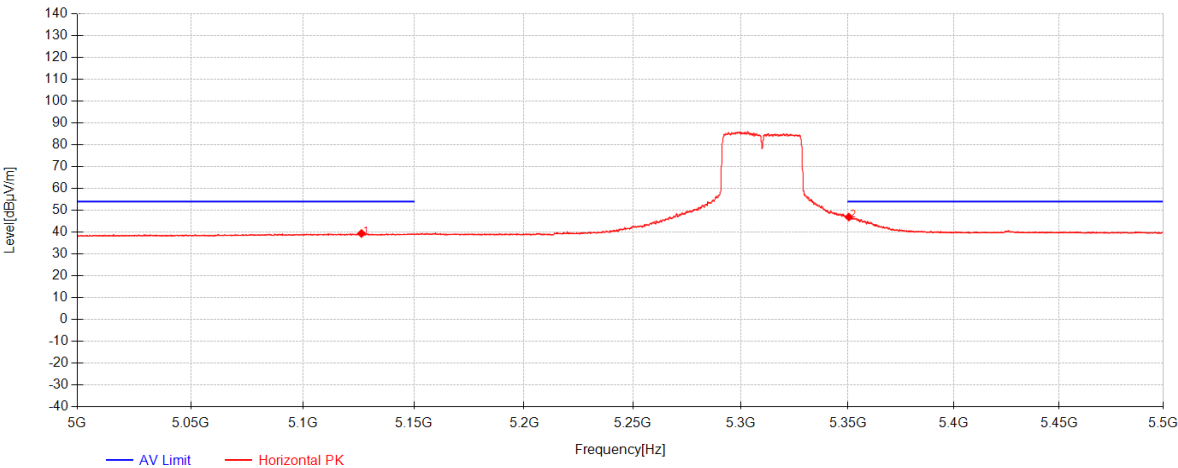
11ac(VHT40)_TX_CH_38_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.2975	41.38	31.67	-19.14	53.90	74.00	20.10	Vertical
2	5352.19	39.04	32.03	-18.91	52.17	74.00	21.83	Vertical



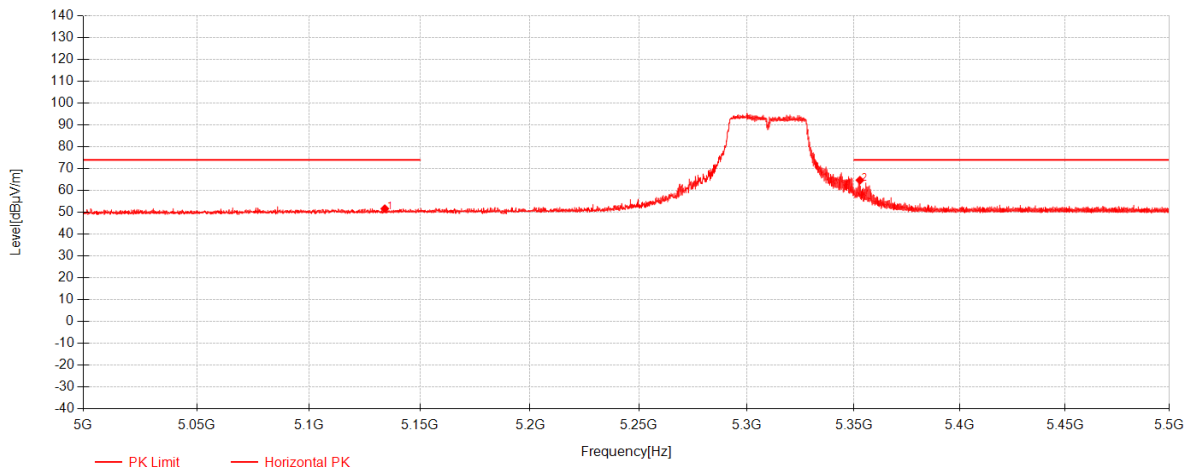
11ac(VHT40)_TX_CH_62_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5126.3	26.96	31.63	-19.20	39.39	54.00	14.61	Horizontal
2	5350.4	33.78	32.03	-18.90	46.91	54.00	7.09	Horizontal



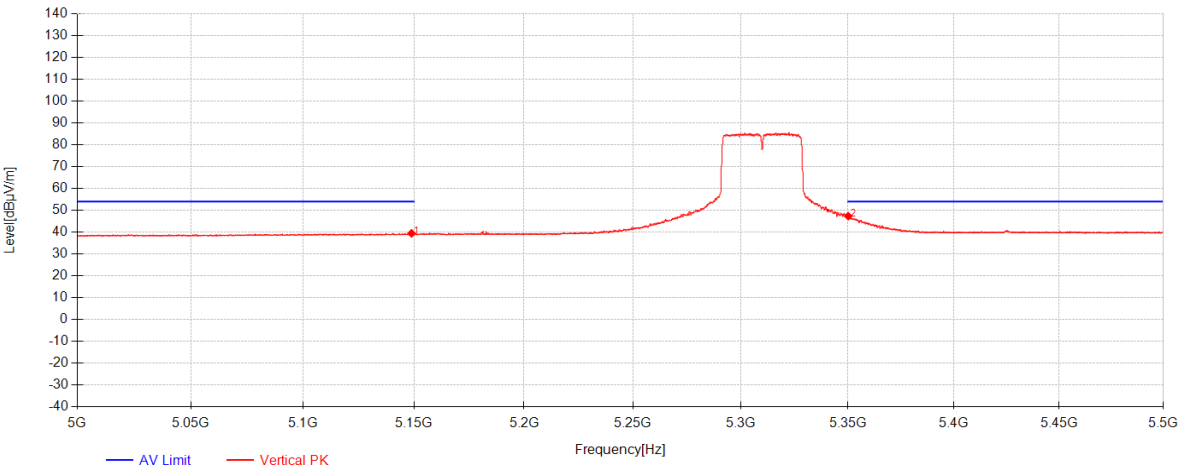
11ac(VHT40)_TX_CH_62_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5134.1	39.22	31.64	-19.18	51.68	74.00	22.32	Horizontal
2	5352.8	51.59	32.04	-18.91	64.72	74.00	9.28	Horizontal



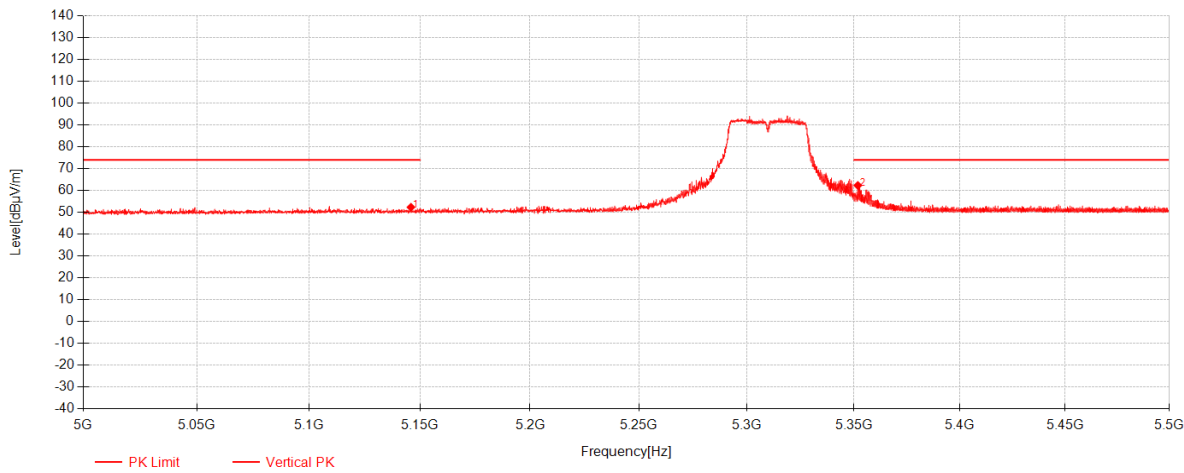
11ac(VHT40)_TX_CH_62_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.875	26.94	31.67	-19.14	39.47	54.00	14.53	Vertical
2	5350.1	34.21	32.03	-18.90	47.34	54.00	6.66	Vertical



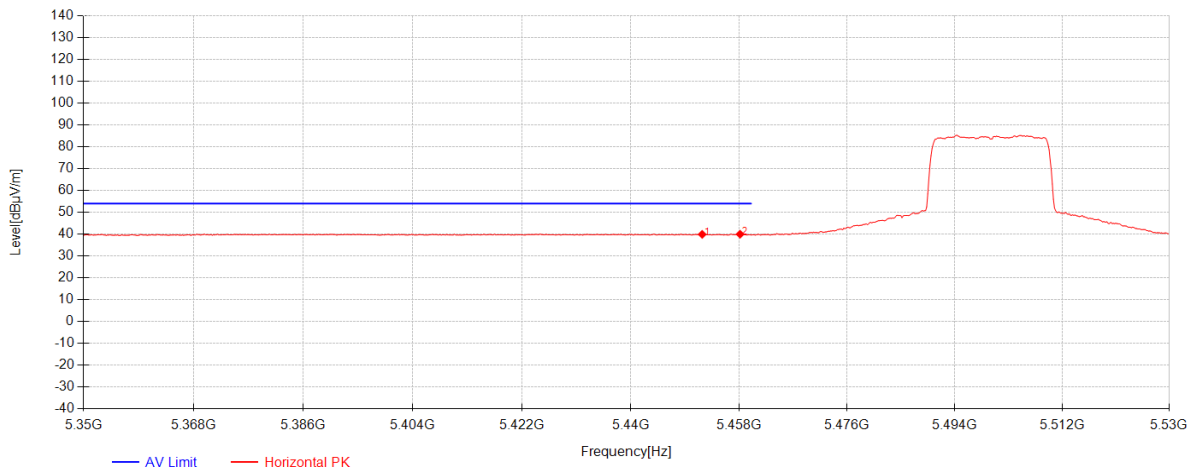
11ac(VHT40)_TX_CH_62_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5145.9	39.82	31.66	-19.15	52.33	74.00	21.67	Vertical
2	5351.8	49.21	32.03	-18.90	62.34	74.00	11.66	Vertical



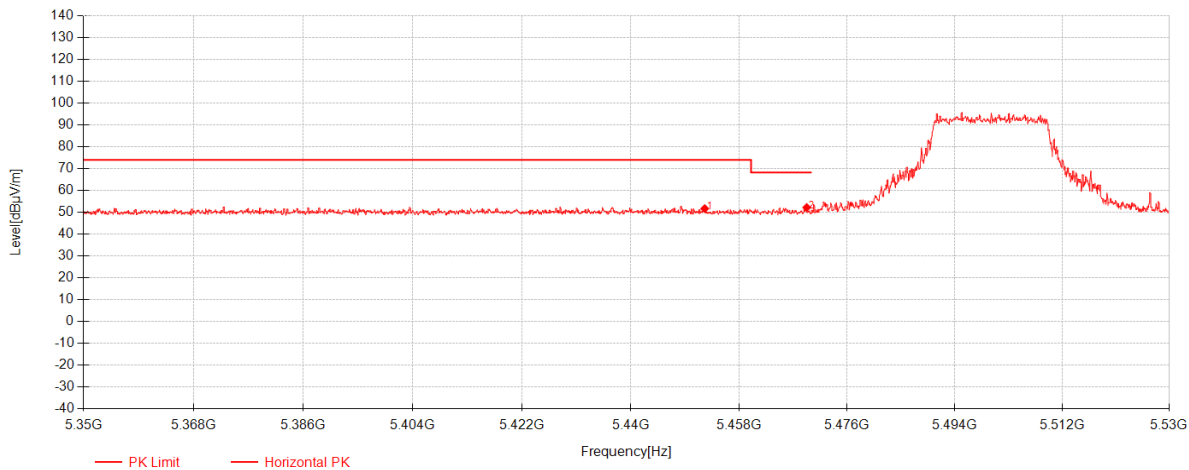
11ax(HE20)_TX_CH_100_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5451.88	26.79	32.21	-19.10	39.90	54.00	14.10	Horizontal
2	5458.18	26.86	32.22	-19.11	39.97	54.00	14.03	Horizontal



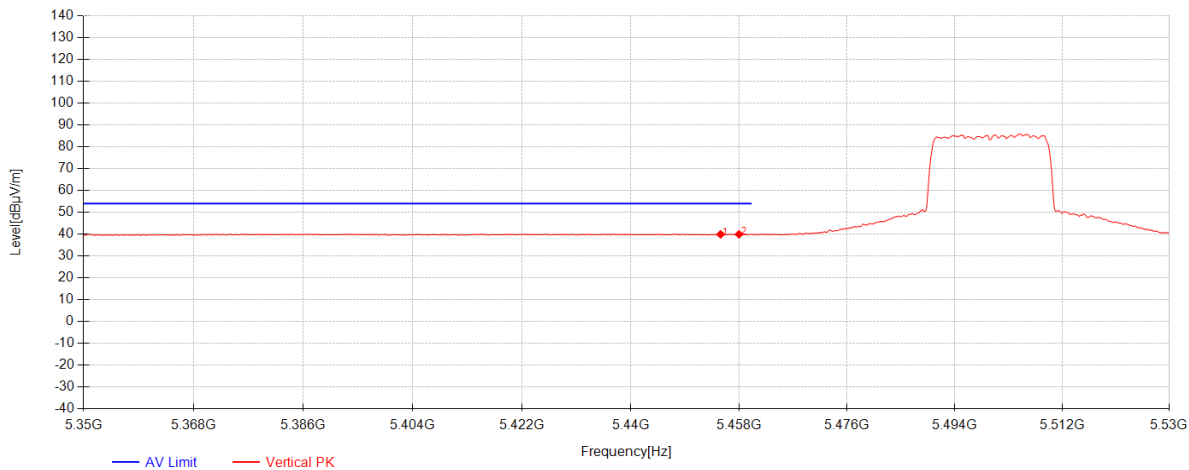
11ax(HE20)_TX_CH_100_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5452.3	38.62	32.21	-19.10	51.73	74.00	22.27	Horizontal
2	5469.28	39.12	32.24	-19.13	52.23	68.30	16.07	Horizontal



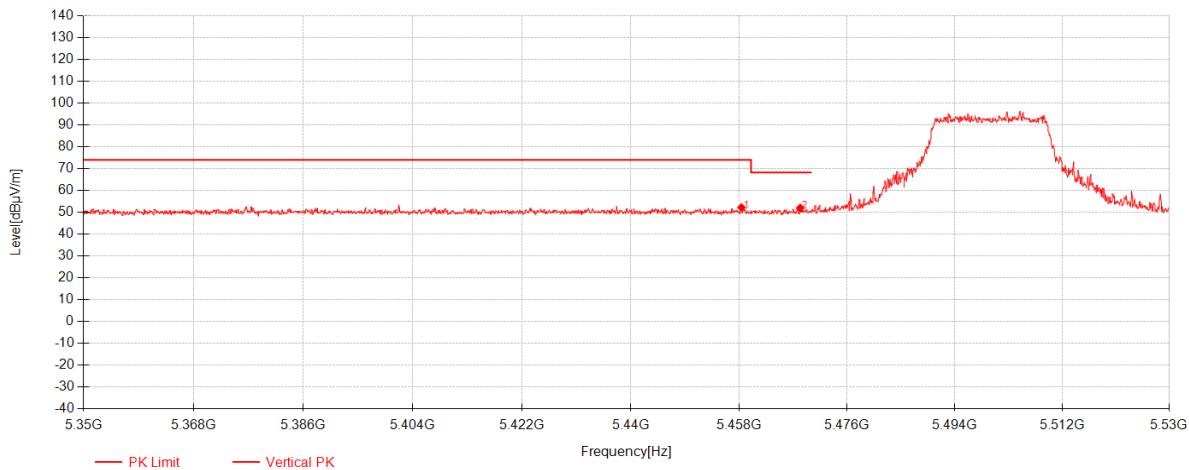
11ax(HE20)_TX_CH_100_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5454.94	26.80	32.22	-19.11	39.91	54.00	14.09	Vertical
2	5458	26.82	32.22	-19.11	39.93	54.00	14.07	Vertical



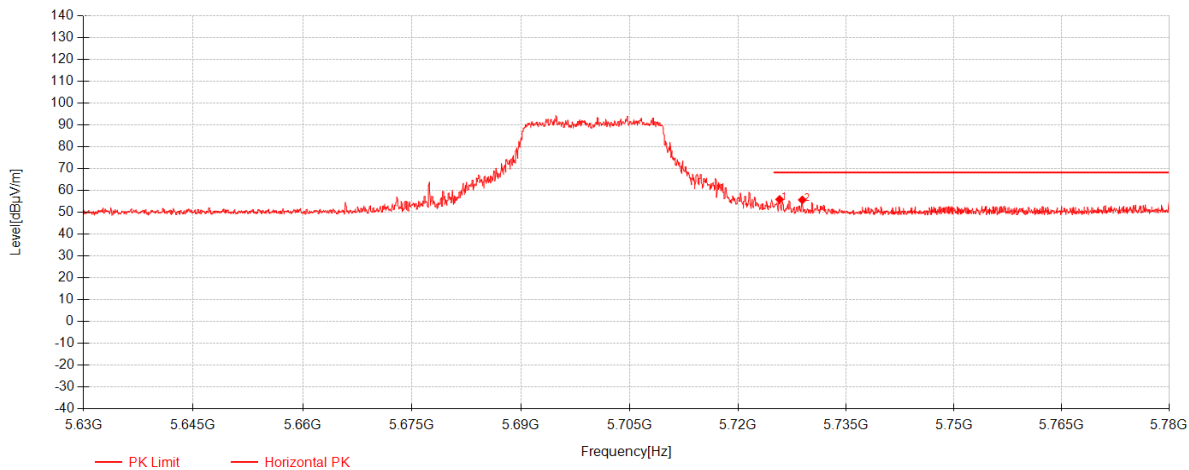
11ax(HE20)_TX_CH_100_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.42	39.10	32.23	-19.11	52.21	74.00	21.79	Vertical
2	5468.2	38.91	32.24	-19.13	52.02	68.30	16.28	Vertical



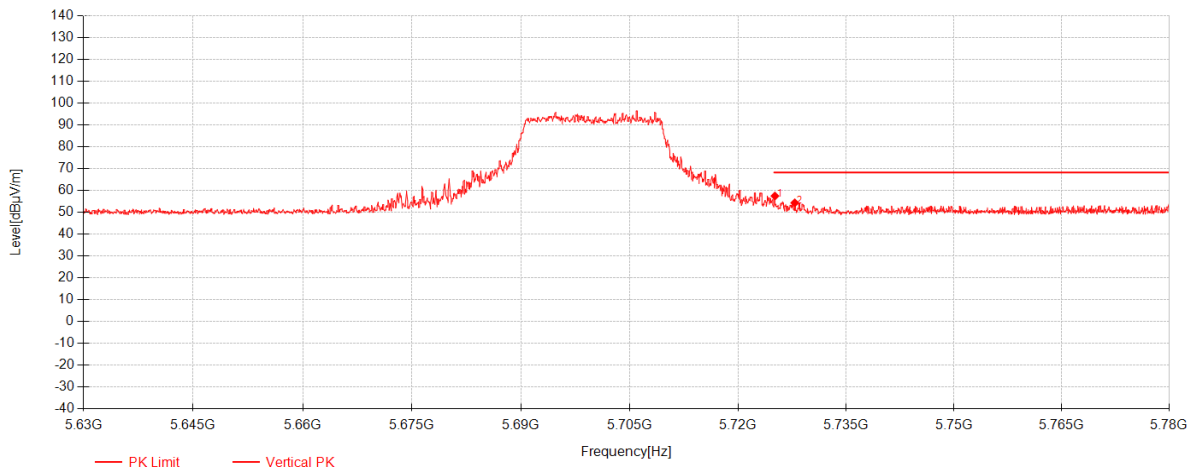
11ax(HE20)_TX_CH_140_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.75	42.37	32.35	-18.81	55.91	68.30	12.39	Horizontal
2	5728.9	42.16	32.35	-18.82	55.69	68.30	12.61	Horizontal



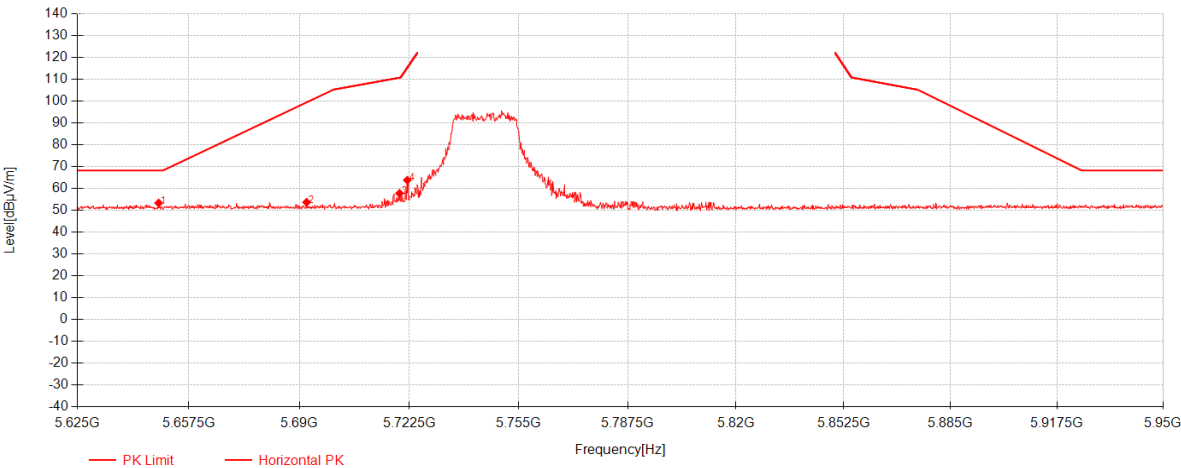
11ax(HE20)_TX_CH_140_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.1	43.95	32.35	-18.81	57.49	68.30	10.81	Vertical
2	5727.85	40.82	32.35	-18.81	54.35	68.30	13.95	Vertical



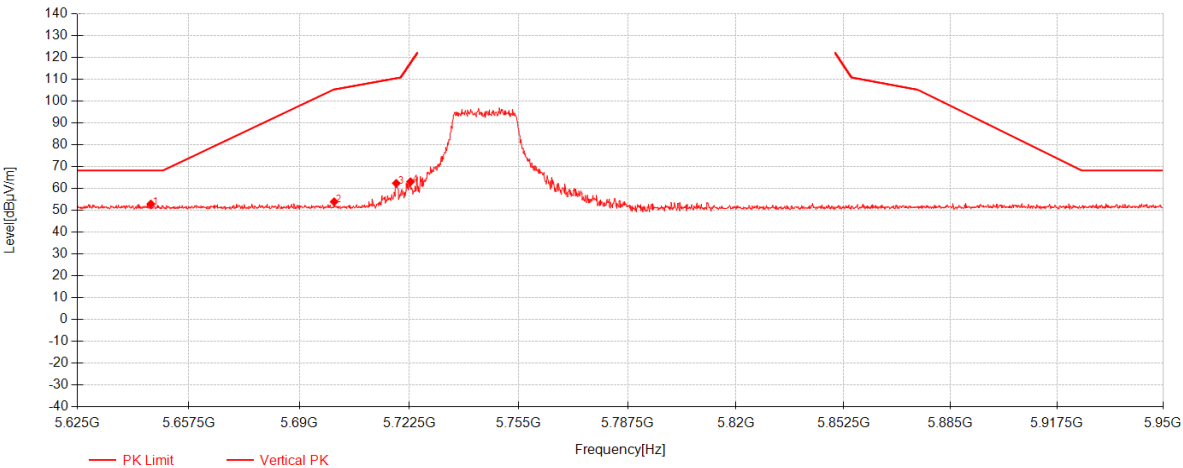
11ax(HE20)_TX_CH_149_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5648.725	39.77	32.33	-18.72	53.37	68.30	14.93	Horizontal
2	5692.1125	40.09	32.34	-18.73	53.70	99.48	45.78	Horizontal
3	5719.575	44.23	32.34	-18.79	57.79	110.78	52.99	Horizontal
4	5721.85	50.27	32.34	-18.80	63.82	115.12	51.30	Horizontal



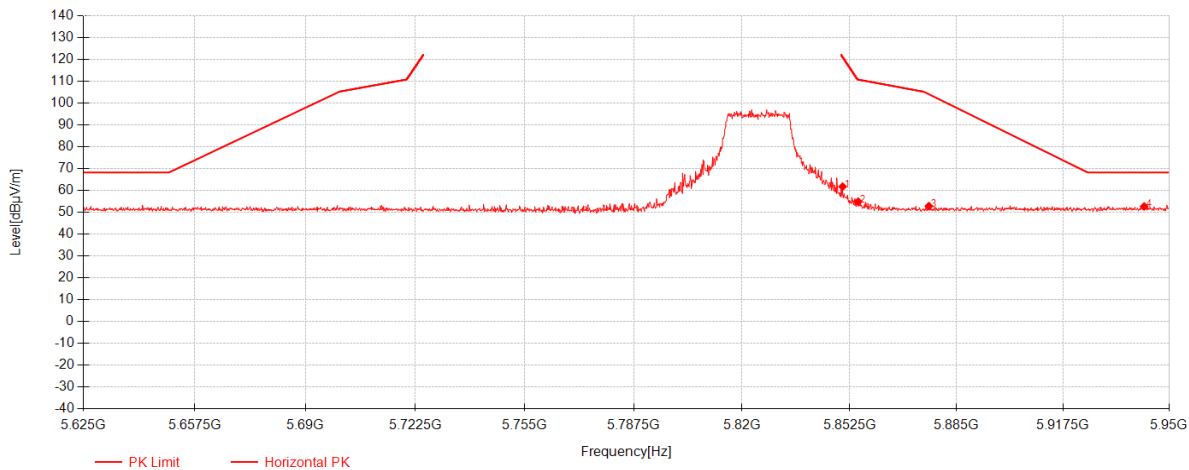
11ax(HE20)_TX_CH_149_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5646.45	39.33	32.33	-18.72	52.93	68.30	15.37	Vertical
2	5700.2375	40.33	32.34	-18.73	53.94	105.37	51.43	Vertical
3	5718.6	48.85	32.34	-18.79	62.41	110.51	48.10	Vertical
4	5722.825	49.55	32.34	-18.80	63.10	117.34	54.24	Vertical



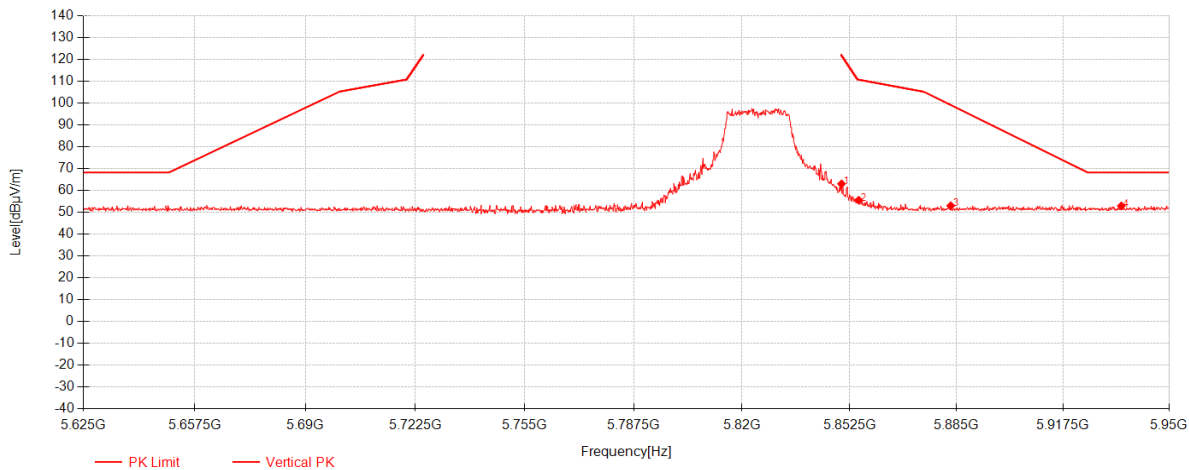
11ax(HE20)_TX_CH_165_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.3875	48.30	32.37	-18.88	61.79	121.42	59.63	Horizontal
2	5855.1	41.39	32.37	-18.87	54.89	110.87	55.98	Horizontal
3	5876.55	39.29	32.38	-18.81	52.86	104.15	51.29	Horizontal
4	5942.3625	39.16	32.39	-18.83	52.72	68.30	15.58	Horizontal



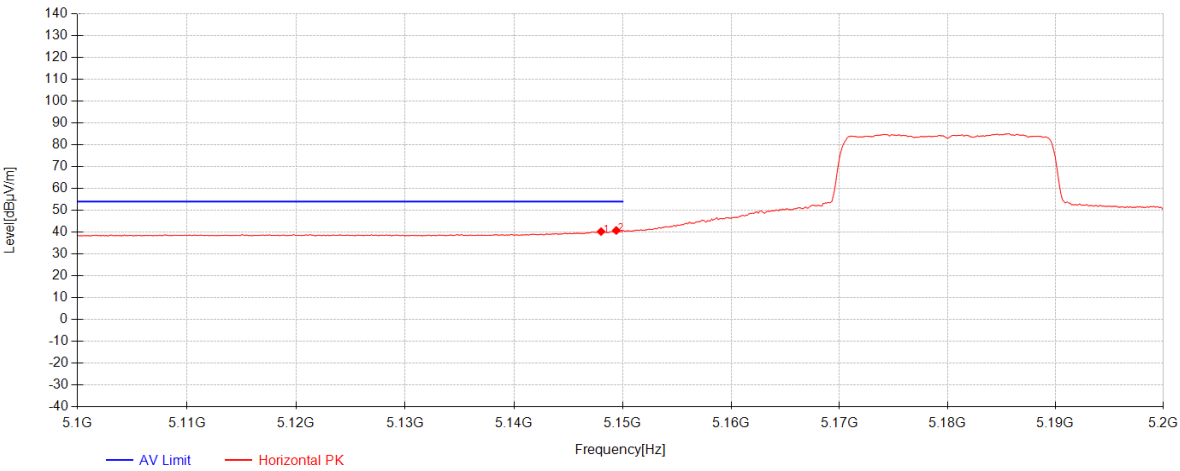
11ax(HE20)_TX_CH_165_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5850.0625	49.58	32.37	-18.88	63.07	122.16	59.09	Vertical
2	5855.2625	42.11	32.37	-18.87	55.61	110.83	55.22	Vertical
3	5883.2125	39.44	32.38	-18.79	53.03	99.20	46.17	Vertical
4	5935.375	39.39	32.39	-18.81	52.96	68.30	15.34	Vertical



11ax(HE20)_TX_CH_36_Horizontal_Average



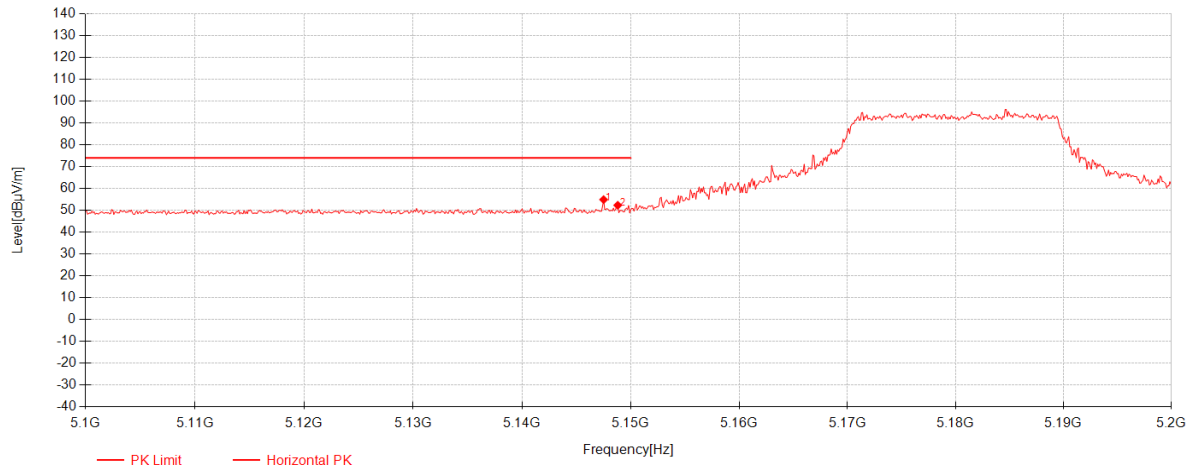
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148	27.75	31.67	-19.14	40.27	54.00	13.73	Horizontal
2	5149.4	28.25	31.67	-19.14	40.78	54.00	13.22	Horizontal



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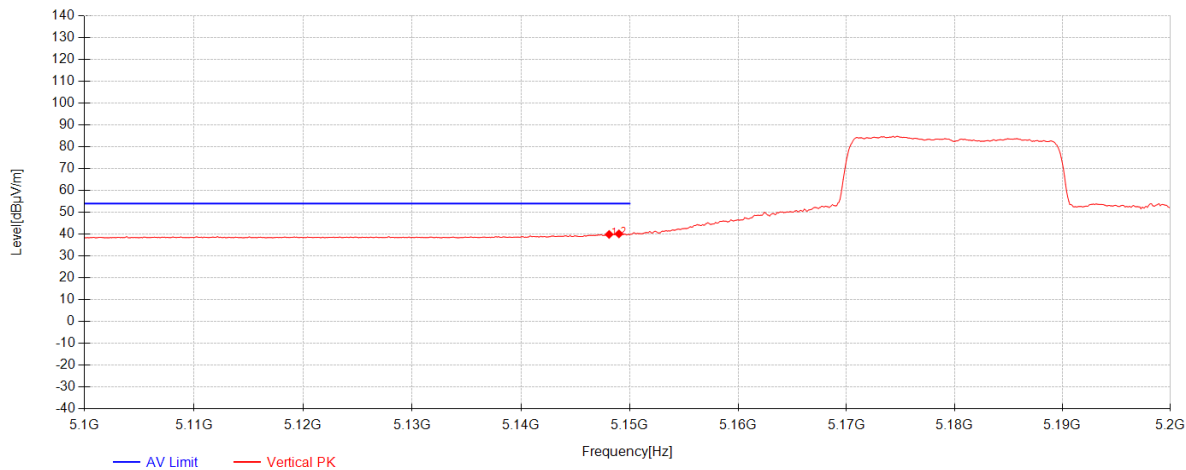
11ax(HE20)_TX_CH_36_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.5	42.39	31.67	-19.15	54.91	74.00	19.09	Horizontal
2	5148.8	39.80	31.67	-19.14	52.32	74.00	21.68	Horizontal



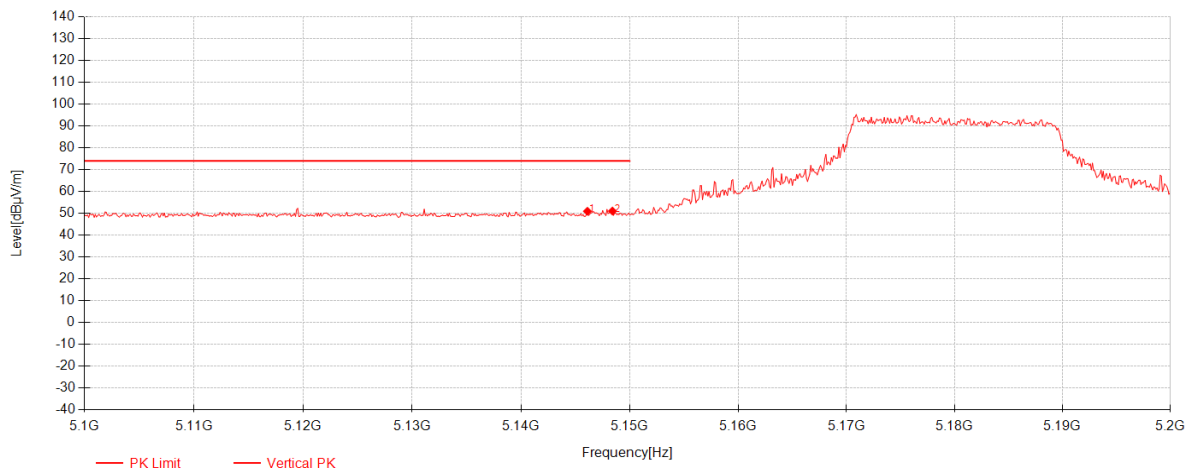
11ax(HE20)_TX_CH_36_Veritical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.1	27.36	31.67	-19.14	39.88	54.00	14.12	Vertical
2	5149	27.60	31.67	-19.14	40.13	54.00	13.87	Vertical



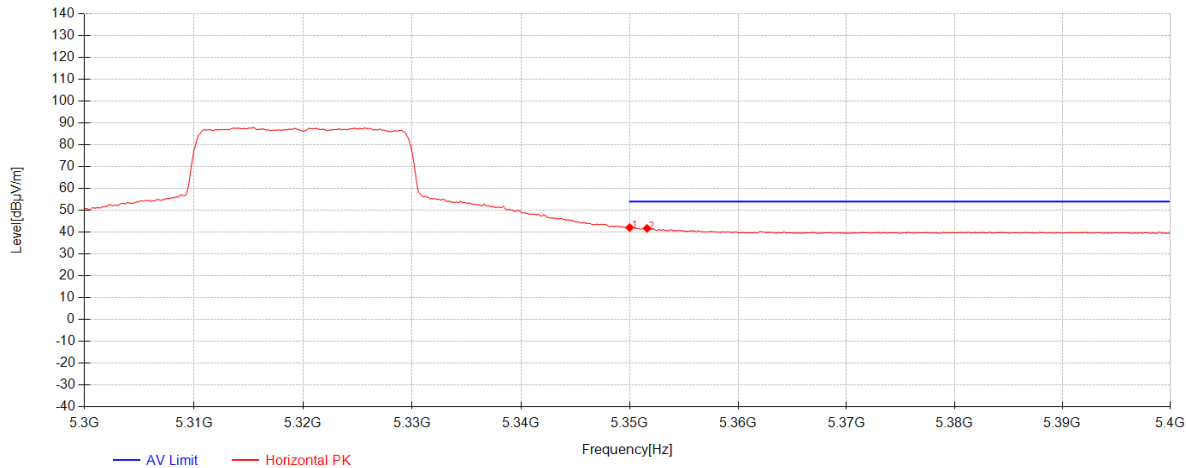
11ax(HE20)_TX_CH_36_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.1	38.44	31.66	-19.15	50.95	74.00	23.05	Vertical
2	5148.4	38.53	31.67	-19.14	51.05	74.00	22.95	Vertical



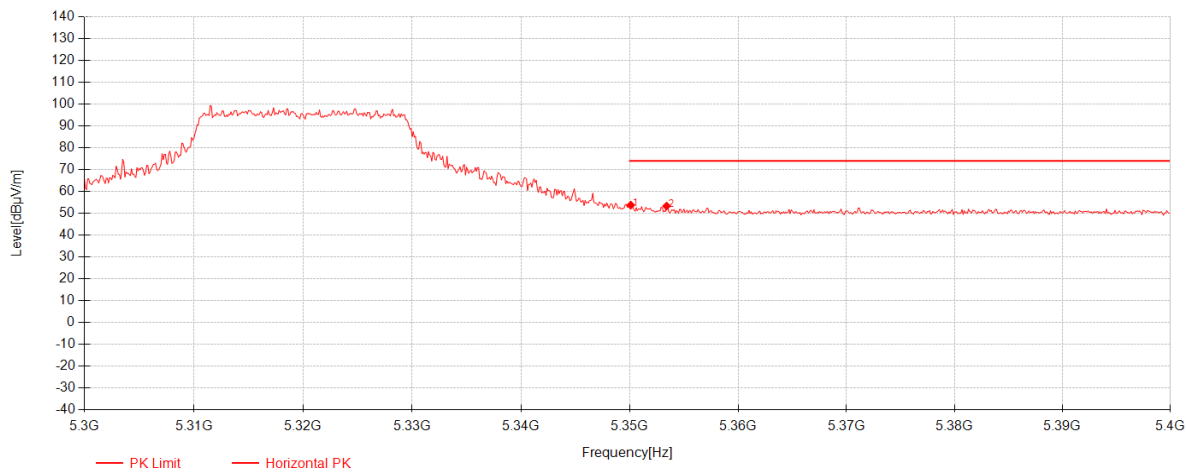
11ax(HE20)_TX_CH_64_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350	28.97	32.03	-18.90	42.10	54.00	11.90	Horizontal
2	5351.6	28.57	32.03	-18.90	41.70	54.00	12.30	Horizontal



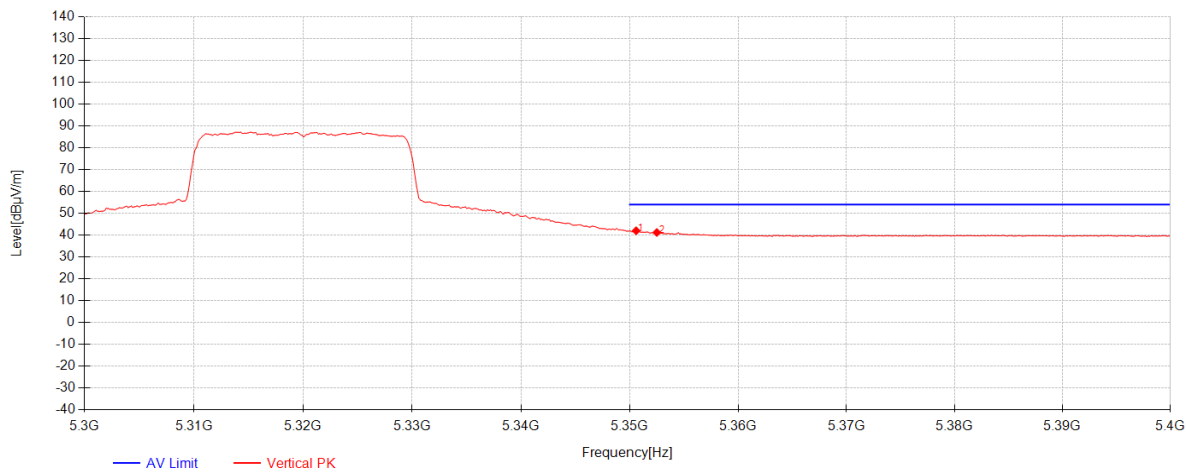
11ax(HE20)_TX_CH_64_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.1	40.65	32.03	-18.90	53.78	74.00	20.22	Horizontal
2	5353.4	40.20	32.04	-18.91	53.33	74.00	20.67	Horizontal



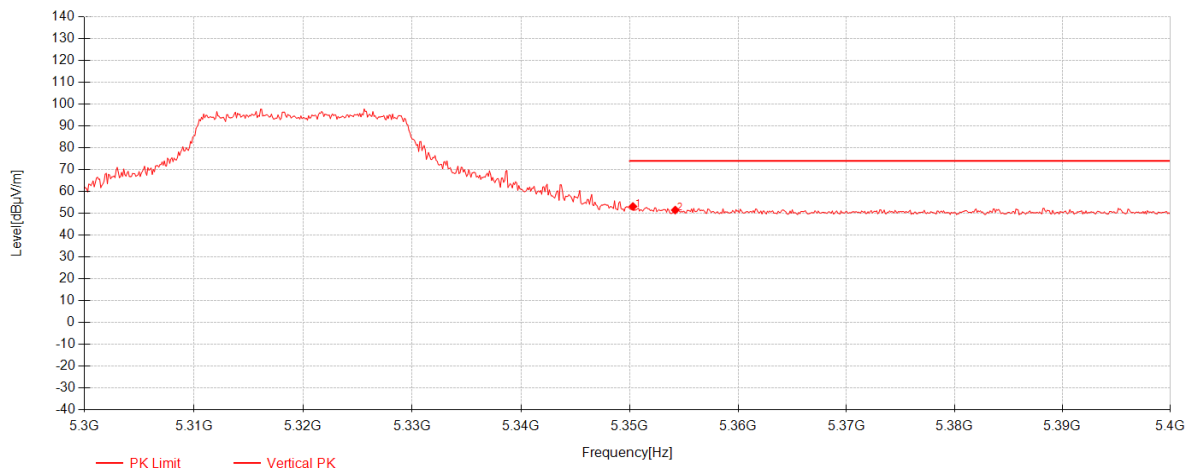
11ax(HE20)_TX_CH_64_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6	28.88	32.03	-18.90	42.01	54.00	11.99	Vertical
2	5352.5	28.10	32.03	-18.91	41.23	54.00	12.77	Vertical



11ax(HE20)_TX_CH_64_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.3	40.02	32.03	-18.90	53.15	74.00	20.85	Vertical
2	5354.2	38.37	32.04	-18.91	51.50	74.00	22.50	Vertical