



Report No.: SUCR251100108908

Page: 1 of 134

TEST REPORT

Application No.: SUCR2511001089AT
Applicant: Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant: Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Manufacturer: Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer: Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
EUT Description: Wireless Data Terminal
Model No.: TFB1A
Trade Mark: SUNMI
FCC ID: 2AH25M3WN
Standards: FCC 47 CFR Part 15, Subpart E
Date of Receipt: 2025-11-06
Date of Test: 2025-12-08 to 2025-12-12
Date of Issue: 2025-12-16

Test Result :	PASS *
----------------------	---------------

* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

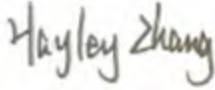
South of No. 6 Plant, No. 1, RunSheng Road, Suzhou Industrial Park,
Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

t (86-512) 6229 2980
www.sgsgroup.com.cn

Member of the SGS Group (SGS SA)

Version

Revision Record			
Version	Description	Date	Remark
01	Original	2025-12-16	/

Authorized for issue by:			
Tested By			
		Hayley Zhang/Project Engineer	
Approved By			
		Cedar Cheng /Reviewer	

Contents

Version	2
1 Test Summary	4
2 General Information	5
2.1 Details of Client	5
2.2 Test Location	5
2.3 Test Facility	5
2.4 General Description of EUT	6
2.5 Test Environment and Mode	9
2.6 Description of Support Units	9
2.7 Worst-case configuration and mode	9
3 Equipment List	10
4 Measurement Uncertainty (95% confidence levels, k=2)	11
5 Test results and Measurement Data	12
5.1 Antenna Requirement	12
5.2 AC Power Line Conducted Emissions	13
5.3 Contention Based Protocol	17
5.4 Radiated Spurious Emissions	19
5.5 Restricted bands around fundamental frequency	21
6 Photographs - Setup Photos	23
7 Appendix	24

1 Test Summary

Test Item	FCC Rule No.	Test Requirements	Test Result	Result
Antenna Requirement	15.203/15.407(a)	--	Clause 5.1	PASS
AC Power Line Conducted Emissions	15.407(b)(8)	< FCC 15.207 limits	Clause 5.2	PASS
Duty Cycle	--	No limit.	Clause 5.3	Reference report SUCR251100108009
Maximum e.i.r.p.	15.407(a)(8)	< 24dBm over the frequency band of Operation, e.i.r.p.	Clause 5.4	
26dB Emission Bandwidth	15.407(a)(11)	The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.	Clause 5.5	
99% Occupied Bandwidth	-	No limit.	Clause 5.6	
Maximum Power Spectral Density	15.407(a)(8)	< -1dBm/MHz e.i.r.p.	Clause 5.7	
In-Band Emissions	15.407(b)(7)	EUT must meet the limits detailed in 15.407(b)(7)	Clause 5.8	PASS
Contention Based Protocol	15.407(d)(6)	EUT must detect AWGN signal with 90% (or better) certainty	Clause 5.9	
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	15.407(b)(6) 15.205, 15.209	< -27dBm/MHz e.i.r.p. outside of the 5.925 - 7.125GHz band	Clause 5.10	PASS
Unwanted Emissions in the Restricted Bands (Radiated)	15.407(b)(6) 15.205, 15.209	Emissions in restricted bands must meet the radiated limits detailed in 15.209	Clause 5.11	PASS

Remark:

This test report (Report No.: SUCR251100108908 issue on 2025-12-16) is based on the original test report (Report No.: SUCR251100108009 issue on December 5, 2025).

Review this report and original report, this report just changing the parts according to the declaration letter from client.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report Contention Based Protocol, AC Power Line Conducted Emission and Radiated Spurious Emissions were fully tested in this report, and other items data please refer to the previous report with report number SUCR251100108009 issue on December 5, 2025.

2 General Information

2.1 Details of Client

Applicant:	Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant:	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Manufacturer:	Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer:	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China

2.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Ives Cheng, King-p Li

2.3 Test Facility

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

• **A2LA (Certificate No. 6336.01)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. is accredited by the American Association for Laboratory Accreditation (A2LA).

• **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory.

• **ISED (CAB Identifier: CN0120)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

2.4 General Description of EUT

Power Supply:	3.87V from battery	
IEEE 802.11 WLAN Mode Supported:	☒ 802.11ax (20 MHz channel bandwidth) ☒ 802.11ax (40 MHz channel bandwidth) ☒ 802.11ax (80 MHz channel bandwidth)	
Operation Frequency:	IEEE 802.11 ax(HE20/40/80): 5925 MHz ~ 6425 MHz IEEE 802.11 ax(HE20/40/80): 6425 MHz ~ 6525 MHz IEEE 802.11 ax(HE20/40/80): 6525 MHz ~ 6875 MHz IEEE 802.11 ax(HE20/40/80): 6875 MHz ~ 7125 MHz	
Type of Modulation:	OFDM/OFDMA	
FCC Classification:	6GHz Low Power Indoor Client (6XD)	
Antenna Type:	FPC Antenna	
Smart System:	☒ MIMO	802.11ax: 2Tx & 2Rx
Antenna Gain:	UNII-5:-6.74dBi(Ant2); -6.72dBi(Ant3) UNII-6:-10.02dBi(Ant2); -9.50dBi(Ant3) UNII-7:-7.79dBi(Ant2); -6.41dBi(Ant3) UNII-8:-7.79dBi(Ant2); -6.44dBi(Ant3)	
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.	
RF Cable:	2dB	
Remark: 1.As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information. 2.The device does not support 802.11ax OFDMA Partial RU tones (26T, 52T, 106T, etc.) 3.In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:		

Frequency range over which device operates	Number of Measurement Frequencies Required	Location of Measurement Frequency in Band of Operation
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre, 1 near low end

For UNII-5:		
Mode	Channel	Frequency(MHz)
IEEE 802.11ax 20MHz	1	5955
	45	6175
	93	6415
IEEE 802.11ax 40MHz	3	5965
	43	6165
	91	6405
IEEE 802.11ax 80MHz	7	5985
	39	6145

For UNII-6:		
Mode	Channel	Frequency(MHz)
IEEE 802.11ax 20MHz	97	6435
	105	6475
	113	6515
IEEE 802.11ax 40MHz	99	6445
	107	6485
	115	6525
IEEE 802.11ax 80MHz	87	6385
	103	6465

For UNII-7:		
Mode	Channel	Frequency(MHz)
IEEE 802.11ax 20MHz	117	6535
	149	6695
	181	6855
	185	6875
IEEE 802.11ax 40MHz	123	6565
	147	6685
	179	6845
IEEE 802.11ax 80MHz	119	6545
	135	6625
	151	6705
	167	6785
	183	6865

For UNII-8:		
Mode	Channel	Frequency(MHz)
IEEE 802.11ax 20MHz	189	6895
	209	6995
	233	7115
IEEE 802.11ax 40MHz	187	6885
	195	6925
	203	6965
	227	7085
IEEE 802.11ax 80MHz	199	6945
	215	7025

2.5 Test Environment and Mode

Environment Parameter	101 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~23	3.87
Remark: NV: Normal Voltage NT: Normal Temperature		

2.6 Description of Support Units

The EUT has been tested as an independent unit.

2.7 Worst-case configuration and mode

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. Following are the worst-case data rates set for test:

Modulation Type	SISO - Data Rate	MIMO - Data Rate
802.11ax (HE 20)	/	MCS0 (16 Mbps)
802.11ax (HE 40)	/	MCS0 (32 Mbps)
802.11ax (HE 80)	/	MCS0 (68 Mbps)

3 Equipment List

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2025/5/8	2026/5/7
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2025/5/8	2026/5/7
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR

RSE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-02	11/25/2024	11/24/2027
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-09	11/21/2025	11/20/2026
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	1/16/2025	1/15/2026
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	9/10/2025	9/9/2027
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/7/2025	5/6/2027
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/7/2025	5/6/2027
Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/7/2025	5/6/2027
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	1/16/2025	1/15/2026
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/16/2025	1/15/2026
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/20/2025	1/19/2026
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	11/21/2025	11/20/2026
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	8/25/2025	8/24/2026
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	8/26/2025	8/25/2026
Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/21/2025	11/20/2026
Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	1/16/2025	1/15/2026
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-06	NCR	NCR
RF Control unit	Tonscend	JS0806-1	SUWI-02-20-01	NCR	NCR

Remark: NCR=No Calibration Requirement.

4 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 2.90dB (150kHz to 30MHz)
2	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.8dB (30M -1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)
Remark: The U _{lab} (lab Uncertainty) is less than U _{cispr/ETSI} (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		

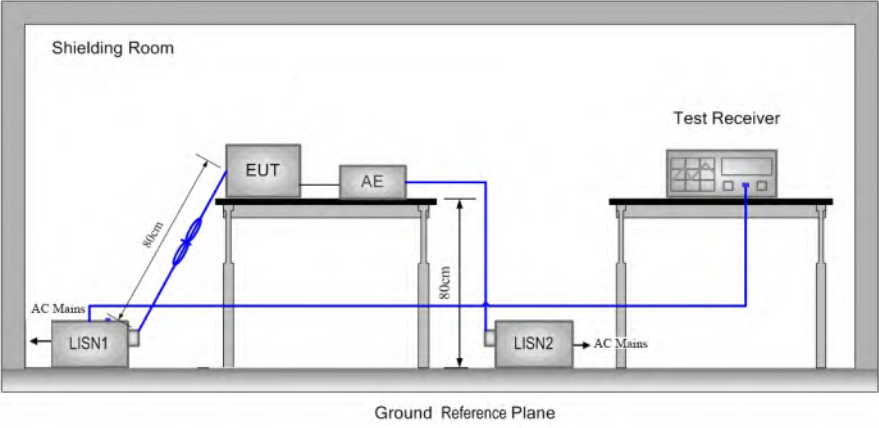
5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15 Section 15.203
The antenna is FPC Antenna and no consideration of replacement. The best case gain of the antenna is UNII-5:-6.74dBi(Ant2); -6.72dBi(Ant3) UNII-6:-10.02dBi(Ant2); -9.50dBi(Ant3) UNII-7:-7.79dBi(Ant2); -6.41dBi(Ant3) UNII-8:-7.79dBi(Ant2); -6.44dBi(Ant3) <i>Note:</i> The antenna gain are derived from the gain information report provided by the manufacturer. <i>Remark:</i> As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

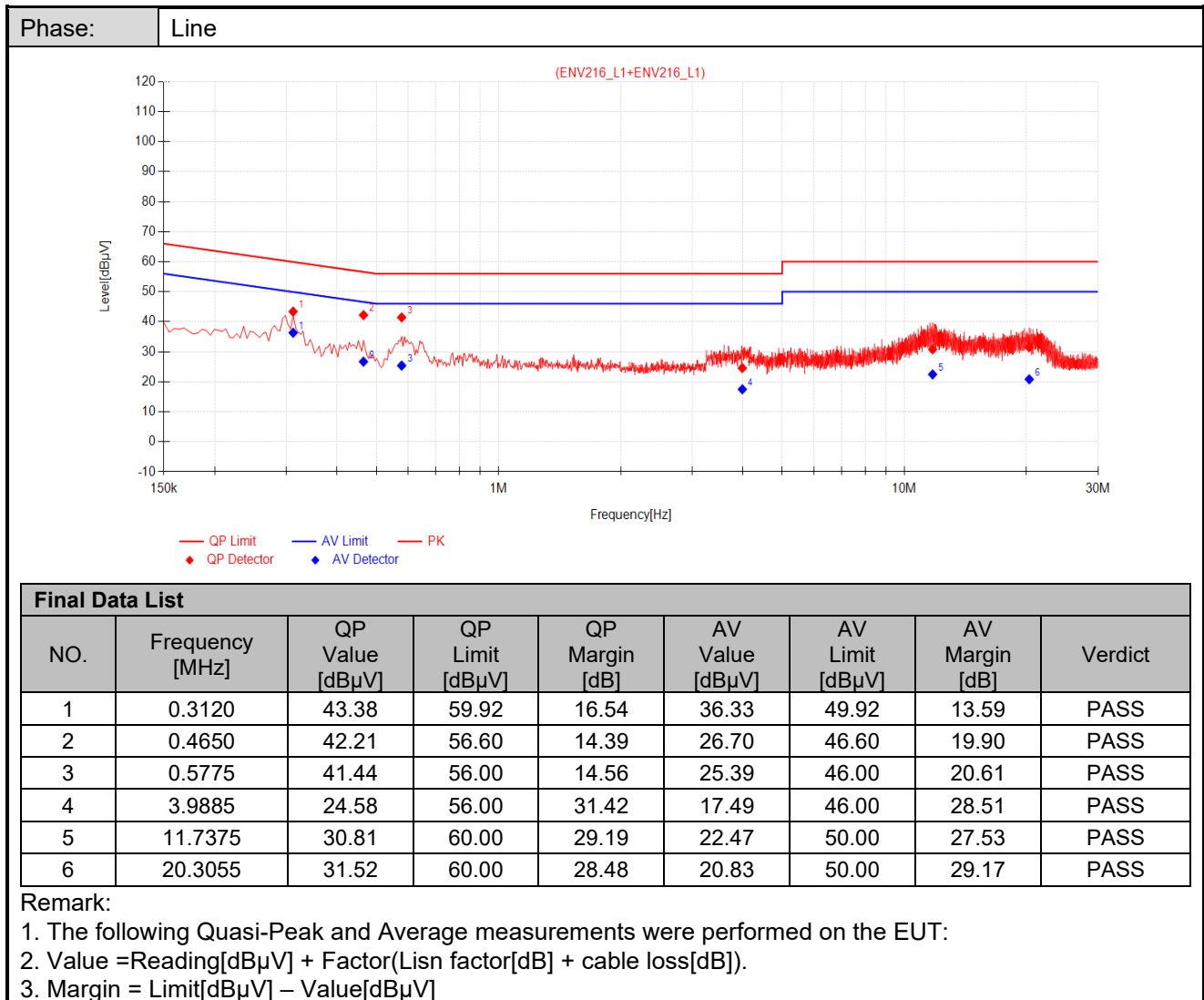
5.2 AC Power Line Conducted Emissions

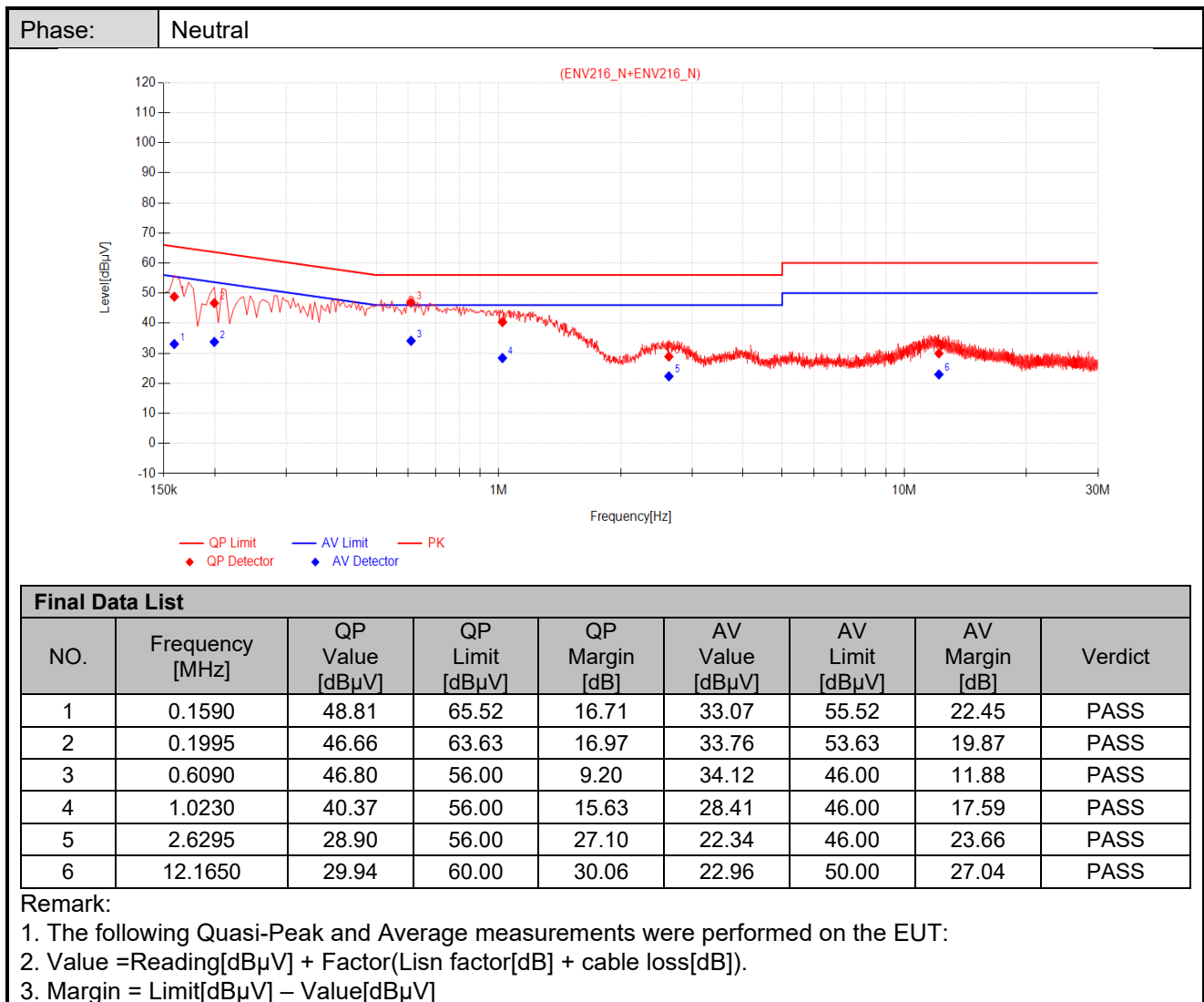
Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013 Section 6.2		
Test Frequency Range:	150kHz to 30MHz		
Receiver Setup:	RBW = 9kHz, VBW = 30kHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test Procedure:	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 50Ω/50μH + 5Ω 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: 2013 on conducted measurement.		

Test Setup:	
Test Mode:	BT Link + WIFI 2.4G Link + WIFI 5G/6E Link
Instruments Used:	Refer to section 3 for details
Test Results:	Pass

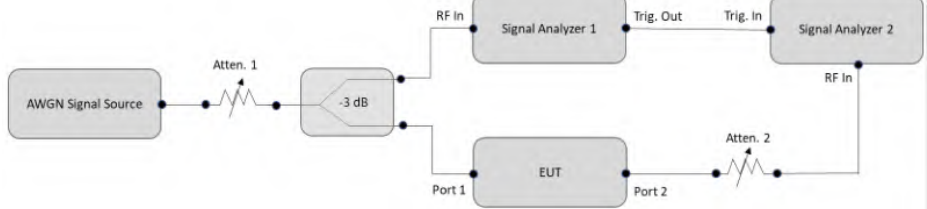
Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.





5.3 Contention Based Protocol

Test Requirement:	47 CFR Part 15 Section 15.407(d)
Test Method:	ANSI C63.10: 2013 KDB 987594 D02 U-NII 6GHz EMC Measurement v01
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Test Procedure:	1) Configure the EUT to transmit with a constant duty cycle. 2) Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth. 3) Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver. 4) Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two. 5) Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10MHz AWGN signal relative to the EUT's channel bandwidth and center frequency. 6) Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2. 7) Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1. 8) Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting. 9) (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty. 10) Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

Limit:	Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.
Test Results:	Pass
The detailed test data see: Appendix	

5.4 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.205 and 15.209
Test Method:	ANSI C63.10: 2013 Section 6.4 / 6.5 / 6.6
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)
Test frequency:	9kHz ~ 40GHz(or 10 Harmonic)

Test Setup:

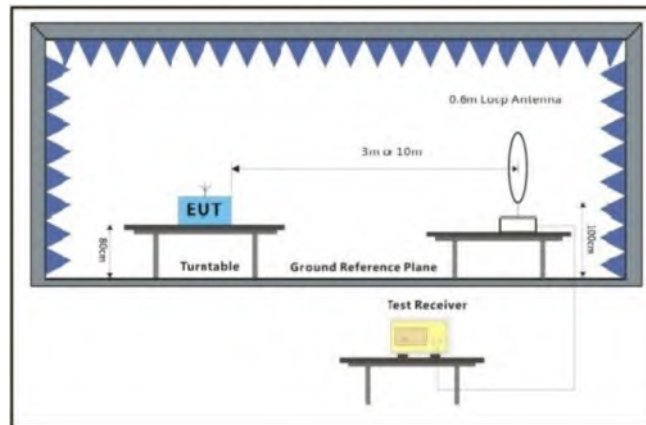


Figure 1. 9kHz to 30MHz

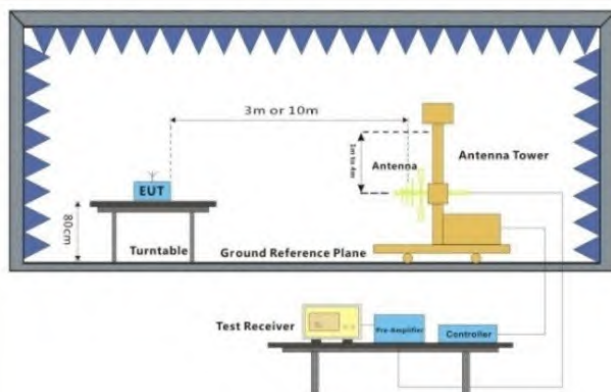


Figure 1. 30MHz to 1GHz

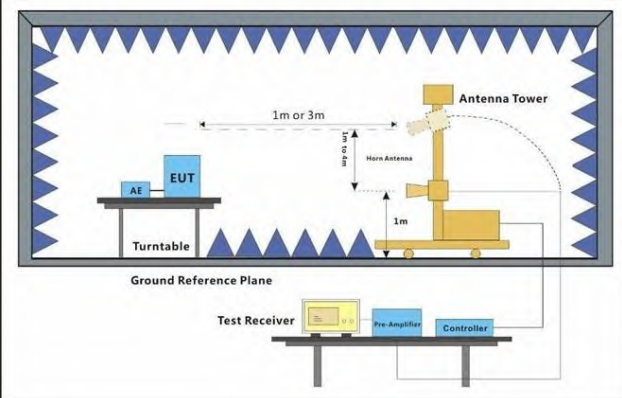


Figure 2. Above 1 GHz

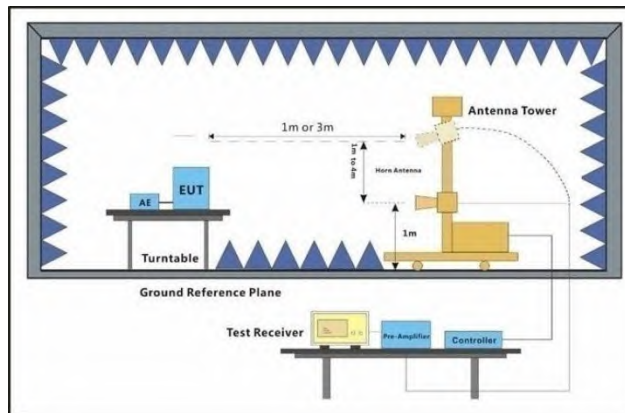
Test Procedure:	- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 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 (Distance from antenna to EUT is 1m for measurements >18GHz). - 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. - 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. - 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 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. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete. j. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported k. The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. l. At a measurement distance of 1 meter the limit line was increased by $20 \times \text{LOG}(3/1) = 9.54 \text{ dB}$.
Test Configuration:	Measurements below 30MHz • RBW = 10 kHz • VBW = 30 kHz • Detector = Peak & Average & Quasi-peak • Trace mode = max hold Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • Detector = Quasi-peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq 3 \text{ MHz}$ • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • RBW = 1 MHz • VBW = 10Hz, when duty cycle is no less than 98 percent. • VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 2.7 for details. For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report.
Instruments Used:	Refer to section 3 for details
Test Results:	Pass
The detailed test data see: Appendix	

5.5 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013 Section 11.12		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test Setup:



Test Procedure:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel
- Test the EUT in the outermost channels.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.

Test Configuration:	Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • Detector = Quasi-peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq$ 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • RBW = 1 MHz • VBW = 10Hz, when duty cycle is no less than 98 percent. • VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 2.7 for details.
Instruments Used:	Refer to section 3 for details
Test Results:	Pass
The detailed test data see: Appendix	

6 Photographs - Setup Photos

Refer to Appendix _Photographs of Test Setup for SUCR2511001089AT.

7 Appendix

Contention Based Protocol

Test Result

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 5	6175	20	6175	-76.31	100	-62	-68.84	-7.47	6.84
				Result: Stop Transmission					
				-77.12	<90	-62	-69.65	-7.47	7.65
				Result: Minimal Operation					
	6145	80	6110	-79.13	0	-62	-71.66	-7.47	9.66
				Result: Normal Operation					
				-77.58	100	-62	-70.11	-7.47	8.11
				Result: Stop Transmission					
			6145	-78.29	<90	-62	-70.82	-7.47	8.82
				Result: Minimal Operation					
				-79.66	0	-62	-72.19	-7.47	10.19
				Result: Normal Operation					
			6180	-75.61	100	-62	-68.14	-7.47	6.14
				Result: Stop Transmission					
				-76.43	<90	-62	-68.96	-7.47	6.96
				Result: Minimal Operation					
				-78.11	0	-62	-70.64	-7.47	8.64
				Result: Normal Operation					
			6180	-77.02	100	-62	-69.55	-7.47	7.55
				Result: Stop Transmission					
				-78.5	<90	-62	-71.03	-7.47	9.03
				Result: Minimal Operation					
				-80.03	0	-62	-72.56	-7.47	10.56
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 6	6475	20	6475	-76.52	100	-62	-66.5	-10.02	4.5
				Result: Stop Transmission					
				-77.3	<90	-62	-67.28	-10.02	5.28
				Result: Minimal Operation					
				-79.21	0	-62	-69.19	-10.02	7.19
	6465	80	6430	Result: Normal Operation					
				-76.12	100	-62	-66.1	-10.02	4.1
				Result: Stop Transmission					
				-76.94	<90	-62	-66.92	-10.02	4.92
				Result: Minimal Operation					
			6465	-79.02	0	-62	-69	-10.02	7
				Result: Normal Operation					
				-75.21	100	-62	-65.19	-10.02	3.19
				Result: Stop Transmission					
				-76.05	<90	-62	-66.03	-10.02	4.03
				Result: Minimal Operation					
				-78.11	0	-62	-68.09	-10.02	6.09
			6500	Result: Normal Operation					
				-76.8	100	-62	-66.78	-10.02	4.78
				Result: Stop Transmission					
				-77.56	<90	-62	-67.54	-10.02	5.54
				Result: Minimal Operation					
				-79.23	0	-62	-69.21	-10.02	7.21
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 7	6695	20	6695	-76.33	100	-62	-68.54	-7.79	6.54
				Result: Stop Transmission					
				-77.16	<90	-62	-69.37	-7.79	7.37
				Result: Minimal Operation					
	6705	80	6670	-79.11	0	-62	-71.32	-7.79	9.32
				Result: Normal Operation					
				-76.7	100	-62	-68.91	-7.79	6.91
				Result: Stop Transmission					
			6705	-77.5	<90	-62	-69.71	-7.79	7.71
				Result: Minimal Operation					
				-79.43	0	-62	-71.64	-7.79	9.64
				Result: Normal Operation					
			6740	-74.45	100	-62	-66.66	-7.79	4.66
				Result: Stop Transmission					
				-75.24	<90	-62	-67.45	-7.79	5.45
				Result: Minimal Operation					
				-77.32	0	-62	-69.53	-7.79	7.53
				Result: Normal Operation					
			6740	-76.73	100	-62	-68.94	-7.79	6.94
				Result: Stop Transmission					
				-77.54	<90	-62	-69.75	-7.79	7.75
				Result: Minimal Operation					
				-79.23	0	-62	-71.44	-7.79	9.44
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

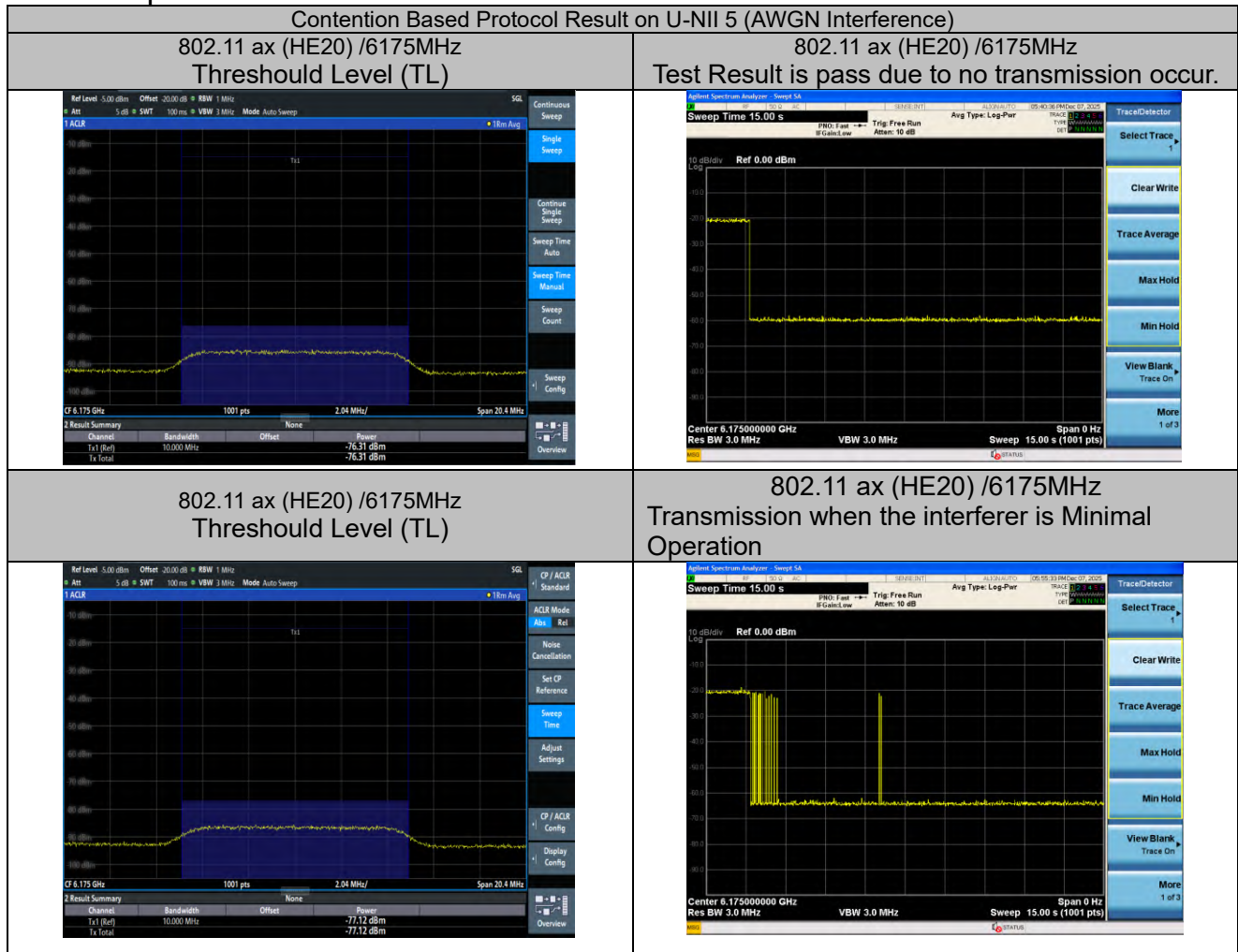
Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 8	6995	20	6995	-75.59	100	-62	-67.8	-7.79	5.8
				Result: Stop Transmission					
				-76.42	<90	-62	-68.63	-7.79	6.63
				Result: Minimal Operation					
				-78.23	0	-62	-70.44	-7.79	8.44
	7025	80	6990	Result: Normal Operation					
				-76	100	-62	-68.21	-7.79	6.21
				Result: Stop Transmission					
				-76.77	<90	-62	-68.98	-7.79	6.98
				Result: Minimal Operation					
			7025	-78.98	0	-62	-71.19	-7.79	9.19
				Result: Normal Operation					
				-74.82	100	-62	-67.03	-7.79	5.03
				Result: Stop Transmission					
				-75.56	<90	-62	-67.77	-7.79	5.77
			7060	Result: Minimal Operation					
				-77.88	0	-62	-70.09	-7.79	8.09
				Result: Normal Operation					
				-76.56	100	-62	-68.77	-7.79	6.77
				Result: Stop Transmission					
				-77.36	<90	-62	-69.57	-7.79	7.57
				Result: Minimal Operation					
				-79.44	0	-62	-71.65	-7.79	9.65
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

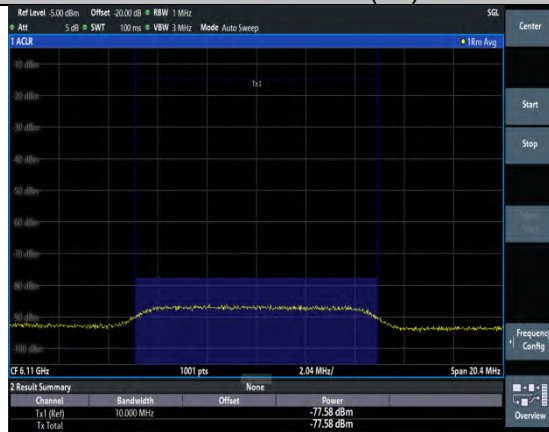
Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Test Graphs

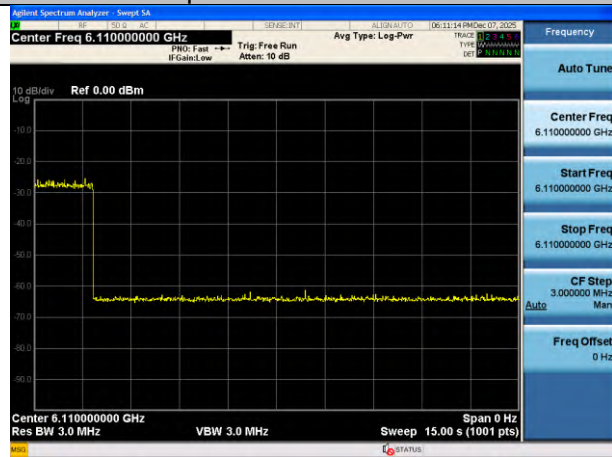


Contention Based Protocol Result on U-NII 5 (AWGN Interference)

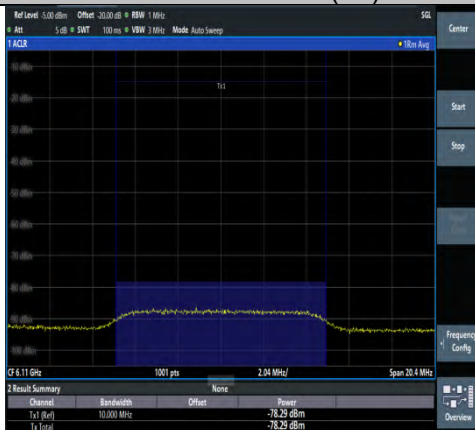
802.11 ax (HE80) /6110MHz Threshold Level (TL)



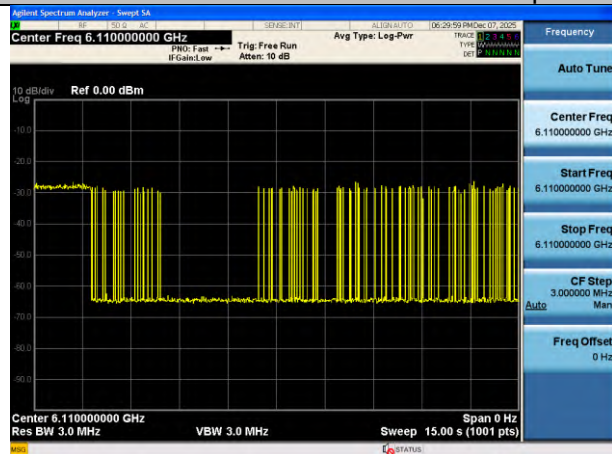
802.11 ax (HE80) /6110MHz Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6110MHz Threshold Level (TL)

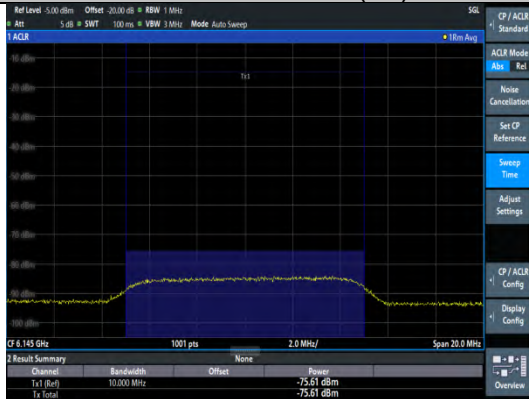


802.11 ax (HE80) /6110MHz Transmission when the interferer is Minimal Operation

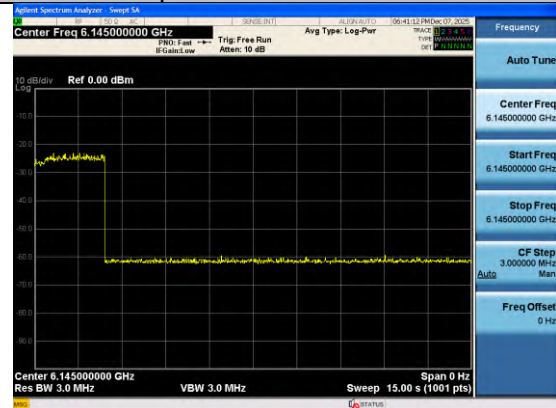


Contention Based Protocol Result on U-NII 5 (AWGN Interference)

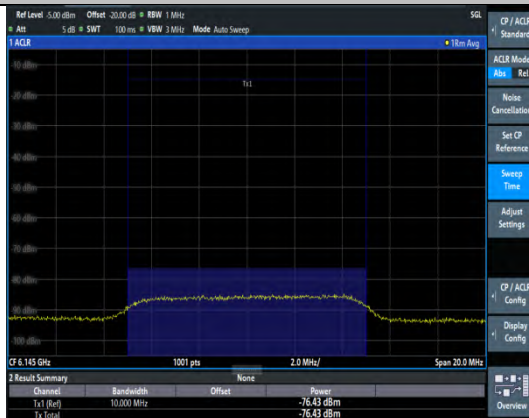
802.11 ax (HE80) /6145MHz
Threshold Level (TL)



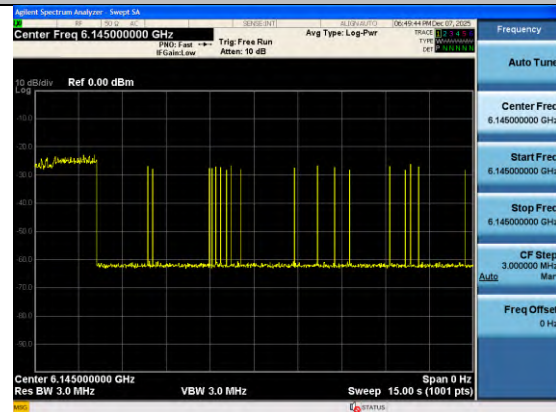
802.11 ax (HE80) /6145MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6145MHz
Threshold Level (TL)

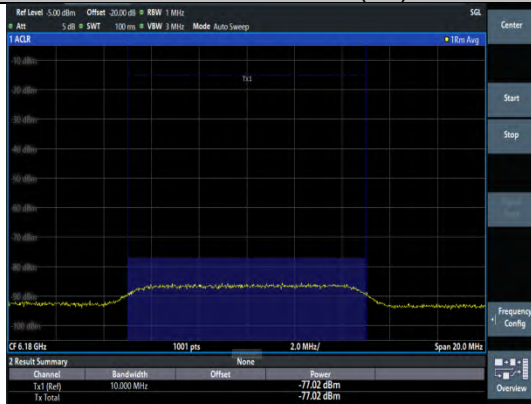


802.11 ax (HE80) /6145MHz
Transmission when the interferer is Minimal
Operation

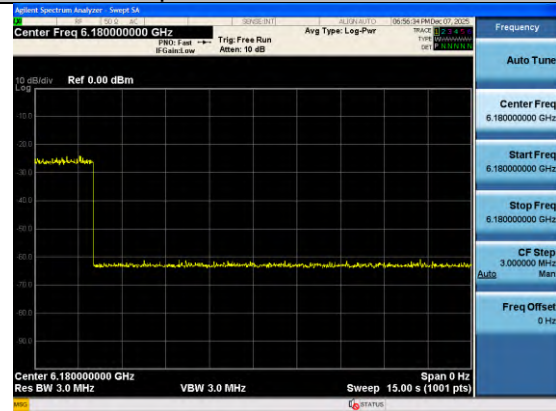


Contention Based Protocol Result on U-NII 5 (AWGN Interference)

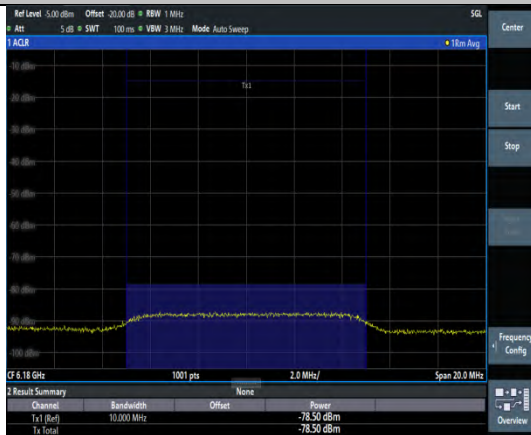
802.11 ax (HE80) /6180MHz Threshold Level (TL)



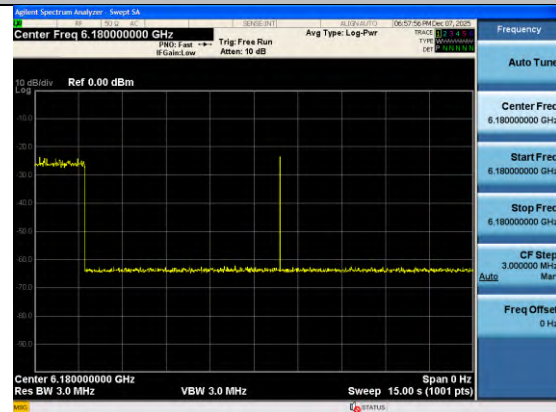
802.11 ax (HE80) /6180MHz Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6180MHz Threshold Level (TL)

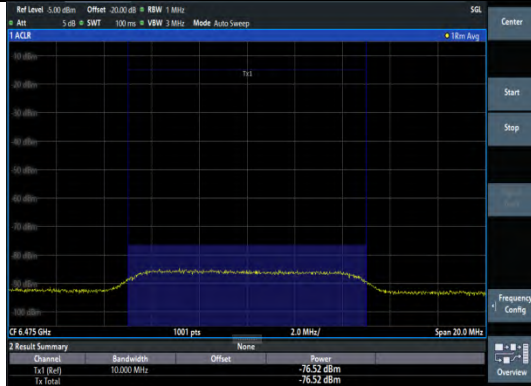


802.11 ax (HE80) /6180MHz Transmission when the interferer is Minimal Operation

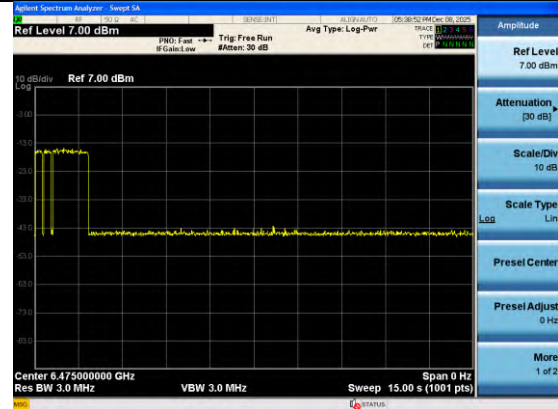


Contention Based Protocol Result on U-NII 6 (AWGN Interference)

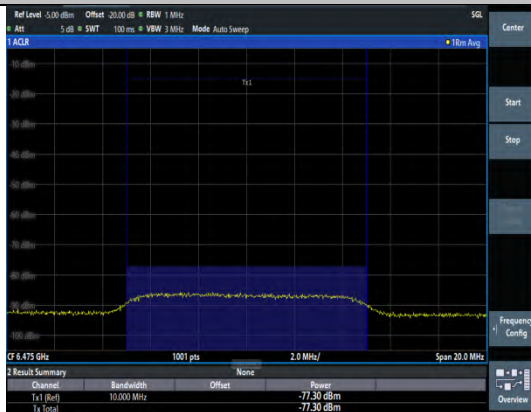
802.11 ax (HE20) /6475MHz
Threshold Level (TL)



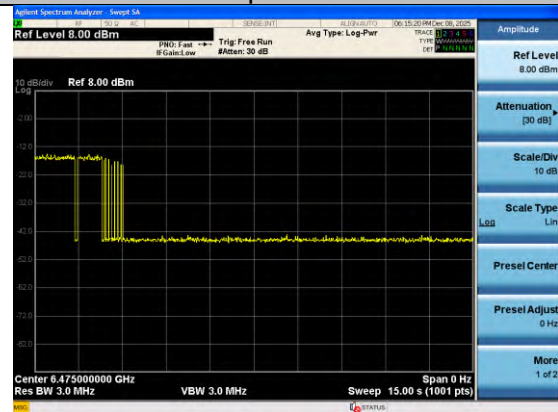
802.11 ax (HE20) /6475MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6475MHz
Threshold Level (TL)

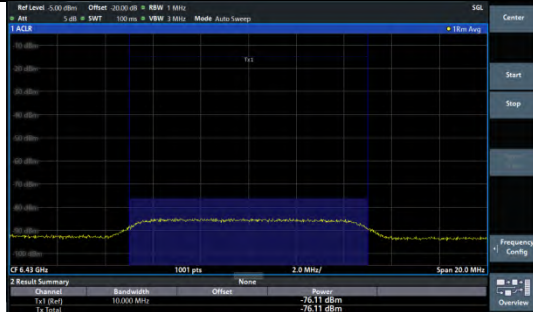


802.11 ax (HE20) /6475MHz
Transmission when the interferer is Minimal
Operation

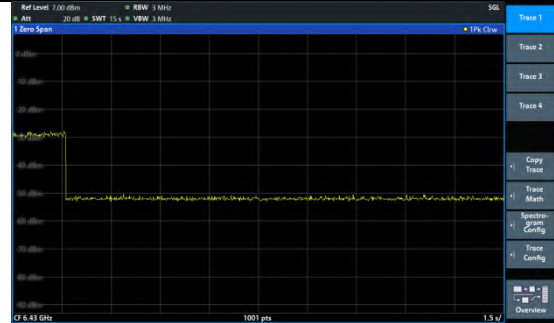


Contention Based Protocol Result on U-NII 6 (AWGN Interference)

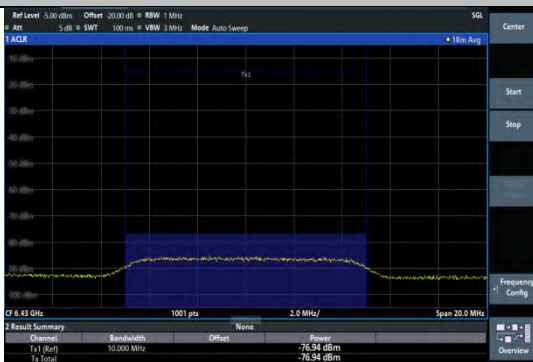
802.11 ax (HE80) /6430MHz Threshold Level (TL)



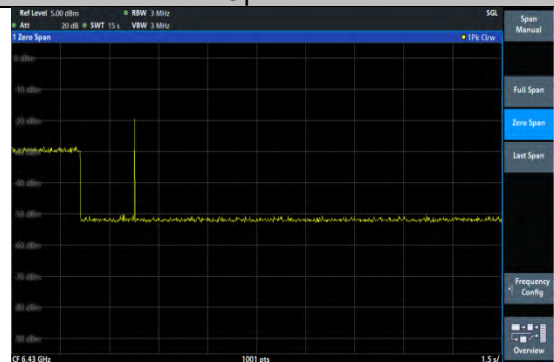
802.11 ax (HE80) /6430MHz Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6430MHz Threshold Level (TL)

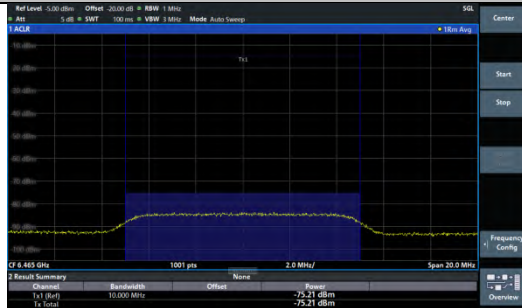


802.11 ax (HE80) /6430MHz Transmission when the interferer is Minimal Operation

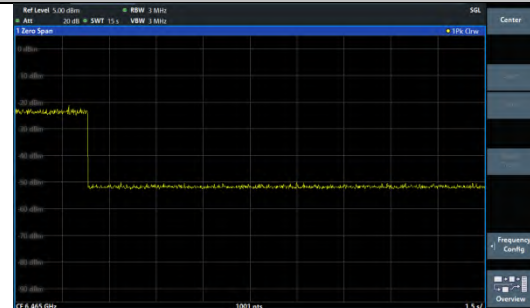


Contention Based Protocol Result on U-NII 6 (AWGN Interference)

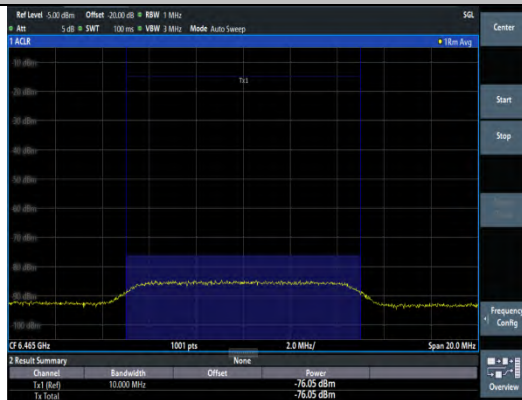
802.11 ax (HE80) /6465MHz
Threshold Level (TL)



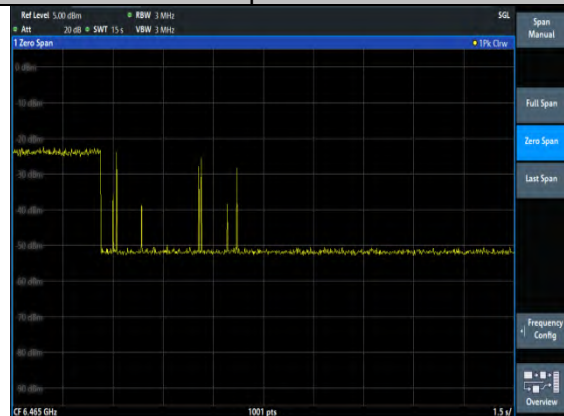
802.11 ax (HE80) /6465MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6465MHz
Threshold Level (TL)

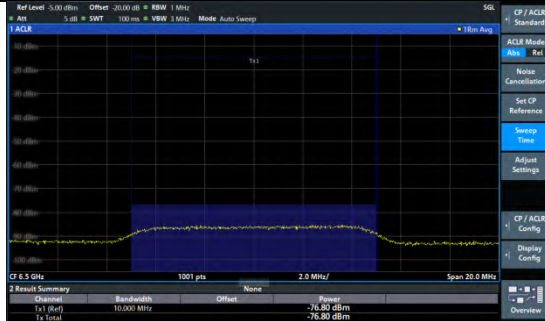


802.11 ax (HE80) /6465MHz
Transmission when the interferer is Minimal
Operation

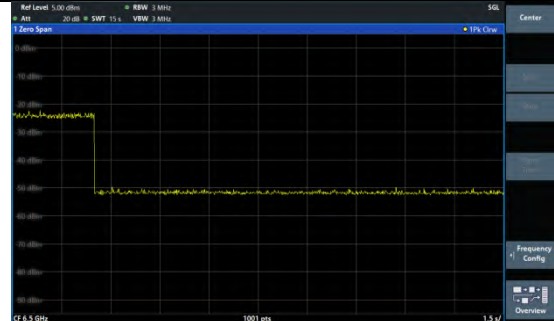


Contention Based Protocol Result on U-NII 6 (AWGN Interference)

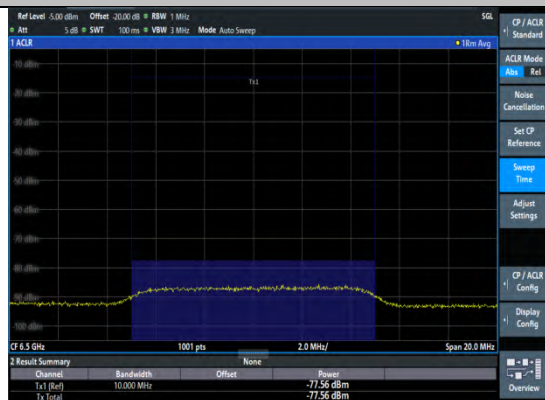
802.11 ax (HE80) /6500MHz Threshold Level (TL)



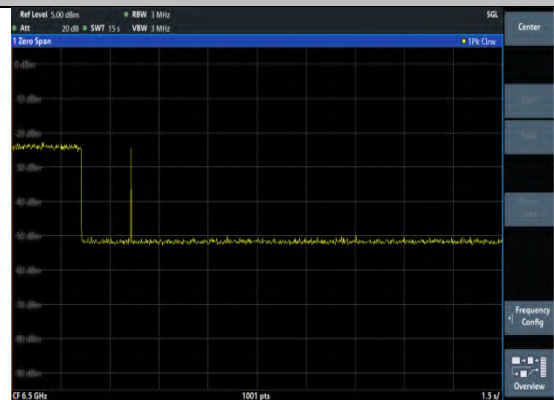
802.11 ax (HE80) /6500MHz Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6500MHz Threshold Level (TL)

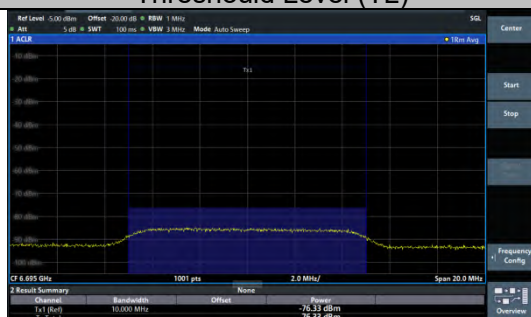


802.11 ax (HE80) /6500MHz Transmission when the interferer is Minimal Operation

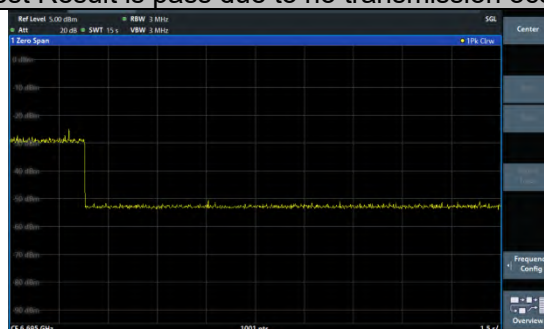


Contention Based Protocol Result on U-NII 7 (AWGN Interference)

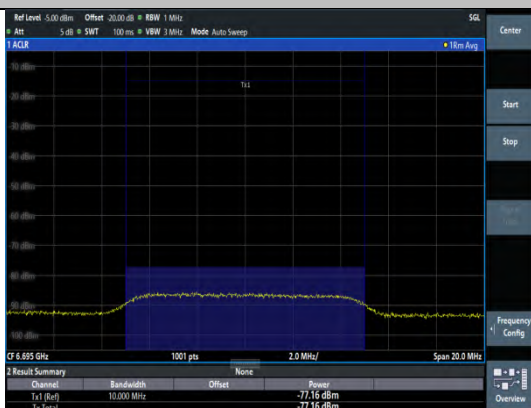
802.11 ax (HE20) /6695MHz
Threshold Level (TL)



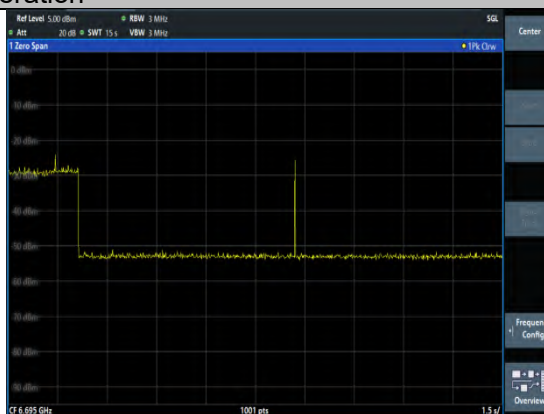
802.11 ax (HE20) /6695MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6695MHz
Threshold Level (TL)

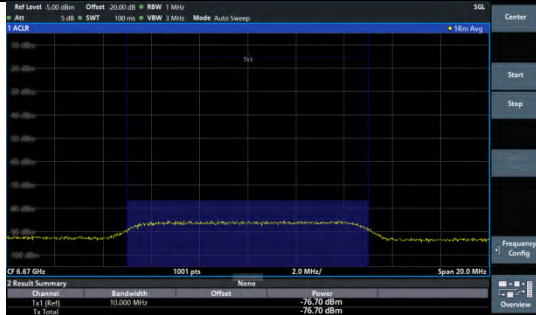


802.11 ax (HE20) /6695MHz
Transmission when the interferer is Minimal Operation

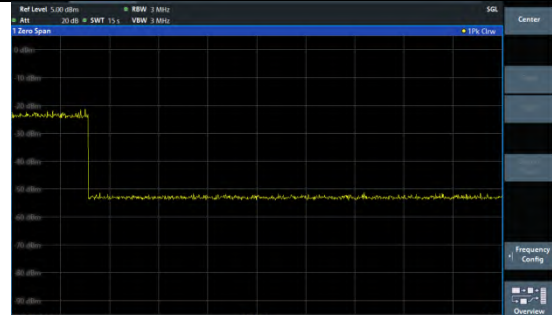


Contention Based Protocol Result on U-NII 7 (AWGN Interference)

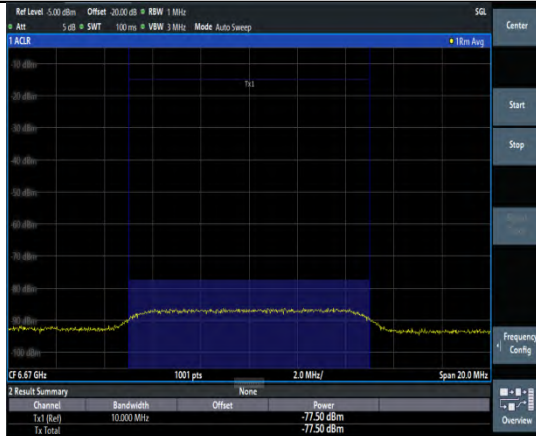
802.11 ax (HE80) /6670MHz Threshold Level (TL)



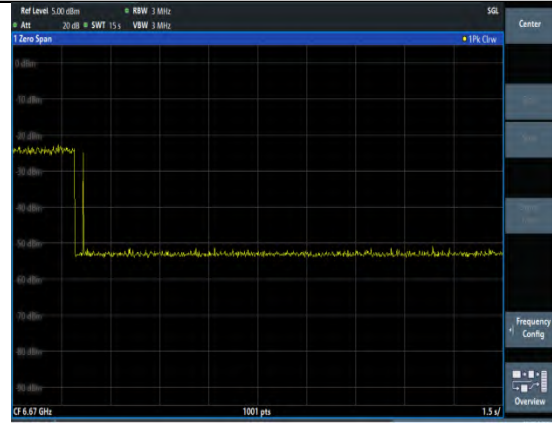
802.11 ax (HE80) /6670MHz Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6670MHz Threshold Level (TL)

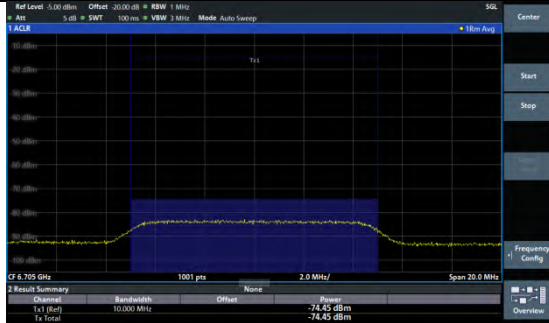


802.11 ax (HE80) /6670MHz Transmission when the interferer is Minimal Operation

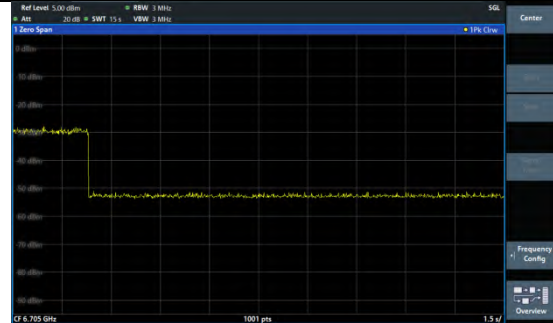


Contention Based Protocol Result on U-NII 7 (AWGN Interference)

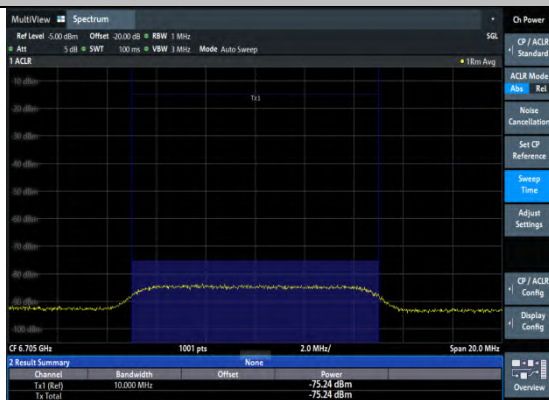
802.11 ax (HE80) /6705MHz
Threshold Level (TL)



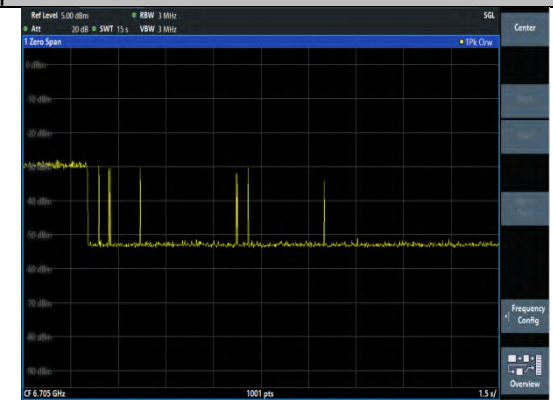
802.11 ax (HE80) /6705MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6705MHz
Threshold Level (TL)

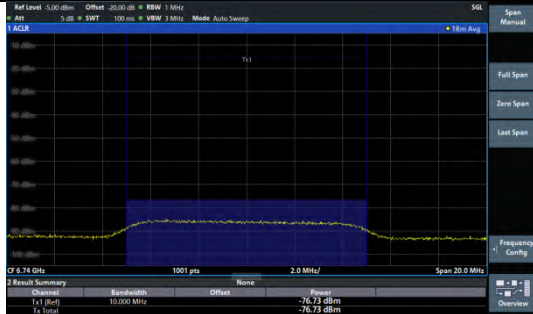


802.11 ax (HE80) /6705MHz
Transmission when the interferer is Minimal
Operation

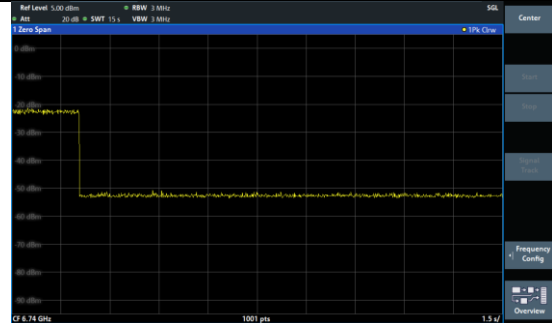


Contention Based Protocol Result on U-NII 7 (AWGN Interference)

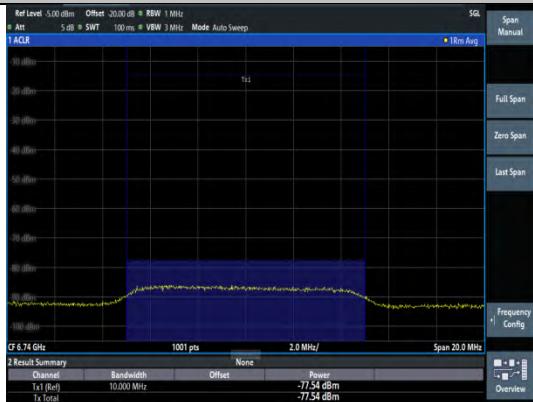
802.11 ax (HE80) /6740MHz
Threshold Level (TL)



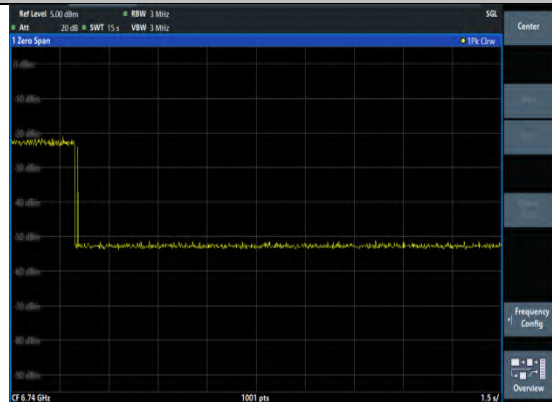
802.11 ax (HE80) /6740MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6740MHz
Threshold Level (TL)

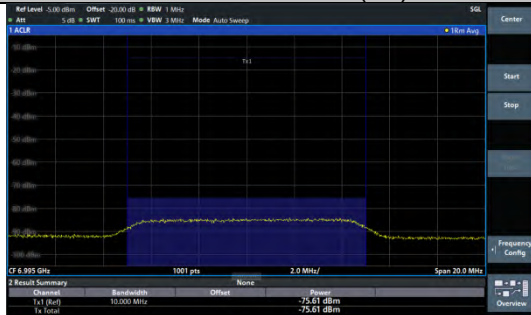


802.11 ax (HE80) /6740MHz
Transmission when the interferer is Minimal
Operation

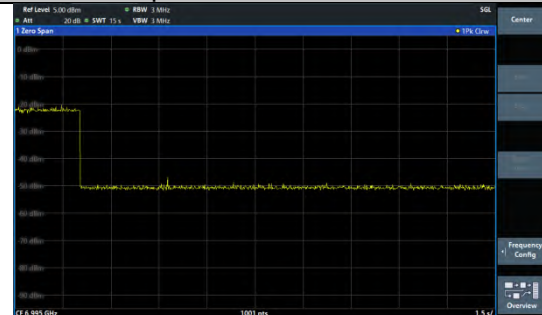


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

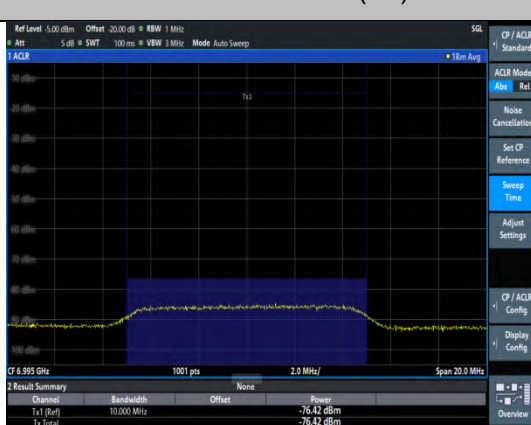
802.11 ax (HE20) /6995MHz
Threshold Level (TL)



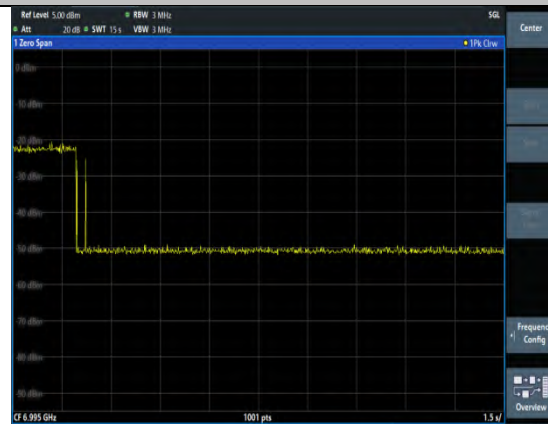
802.11 ax (HE20) /6995MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6995MHz
Threshold Level (TL)

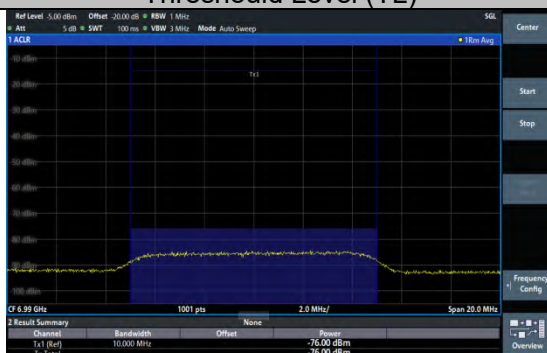


802.11 ax (HE20) /6995MHz
Transmission when the interferer is Minimal
Operation

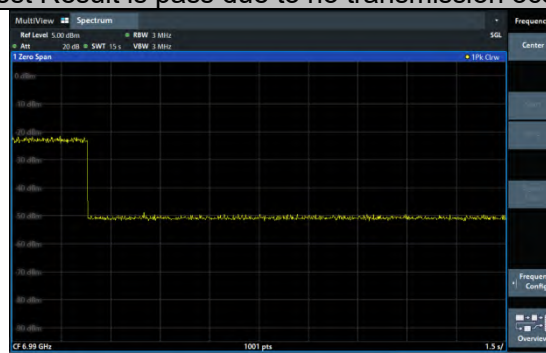


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

802.11 ax (HE80) /6990MHz
Threshold Level (TL)



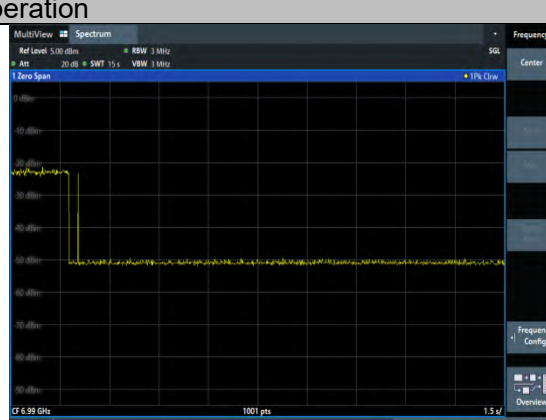
802.11 ax (HE80) /6990MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6990MHz
Threshold Level (TL)

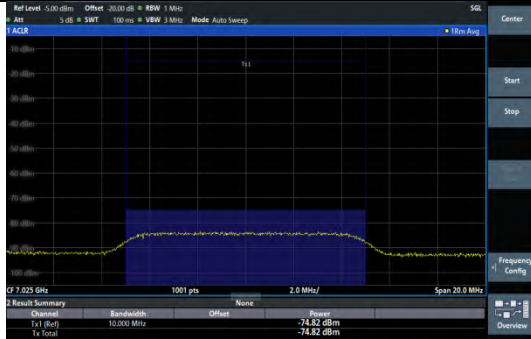


802.11 ax (HE80) /6990MHz
Transmission when the interferer is Minimal
Operation

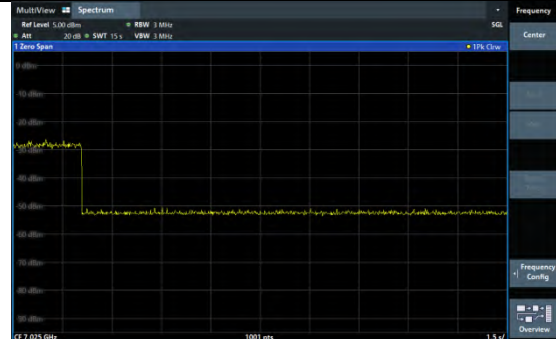


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

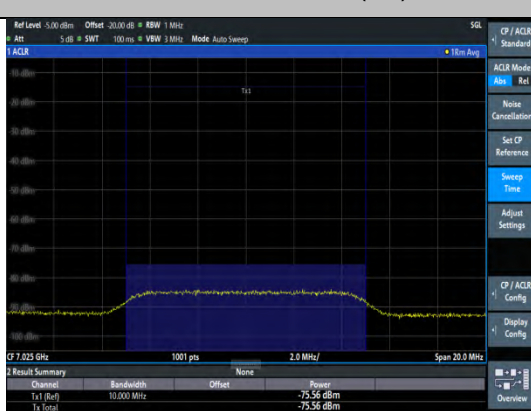
802.11 ax (HE80) /7025MHz Threshold Level (TL)



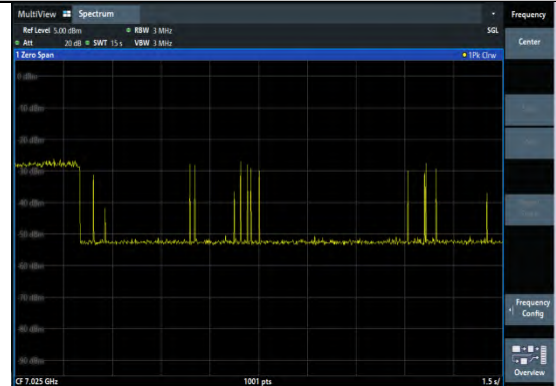
802.11 ax (HE80) /7025MHz Test Result is pass due to no transmission occur.



802.11 ax (HE80) /7025MHz Threshold Level (TL)

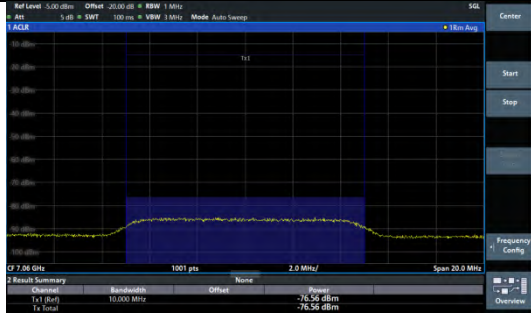


802.11 ax (HE80) /7025MHz Transmission when the interferer is Minimal Operation

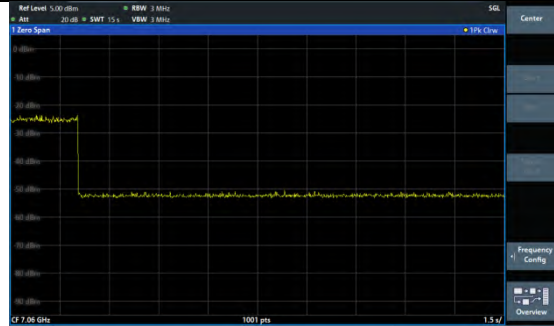


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

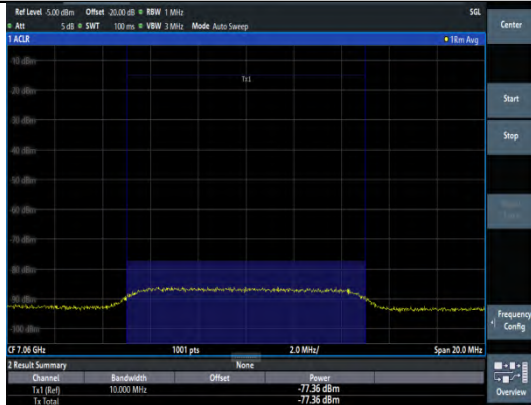
802.11 ax (HE80) /7060MHz Threshold Level (TL)



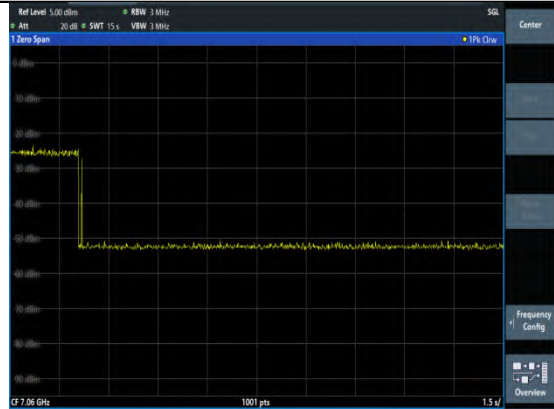
802.11 ax (HE80) /7060MHz Test Result is pass due to no transmission occur.

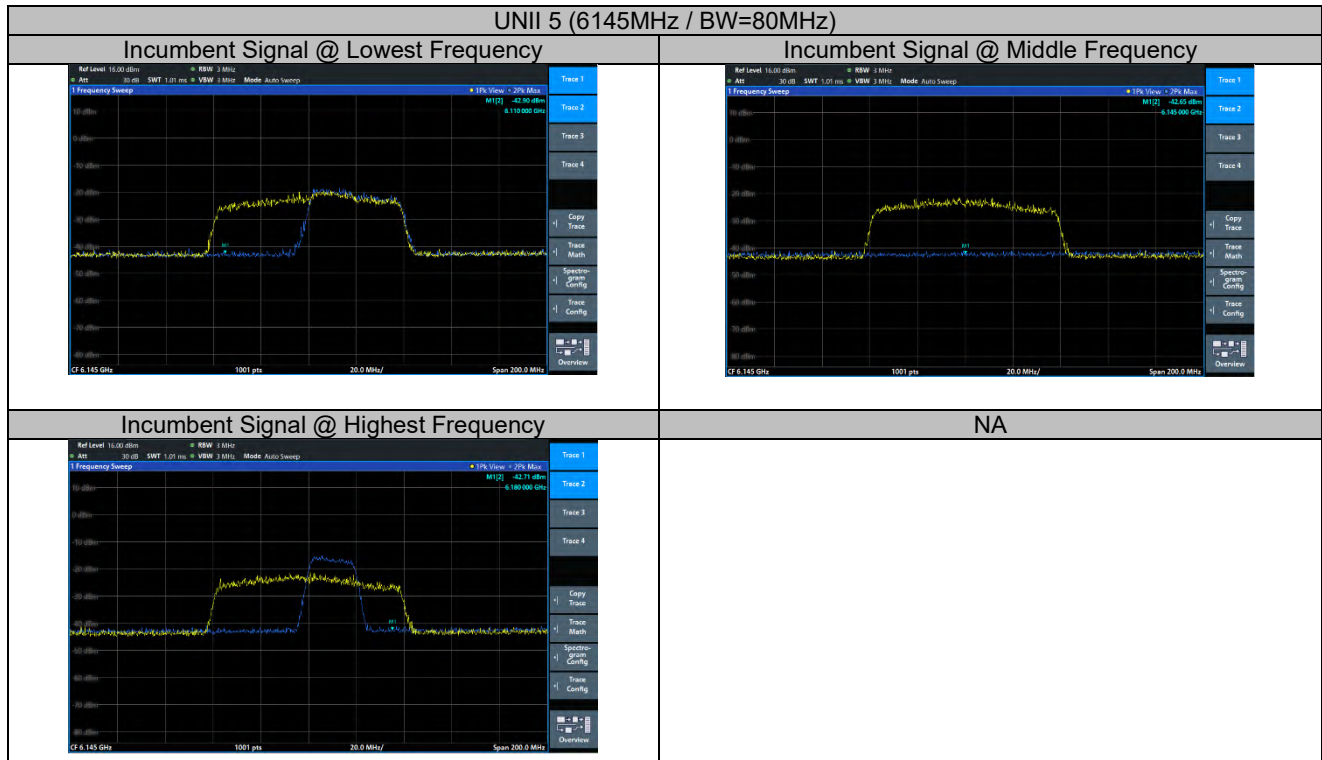


802.11 ax (HE80) /7060MHz Threshold Level (TL)



802.11 ax (HE80) /7060MHz Transmission when the interferer is Minimal Operation



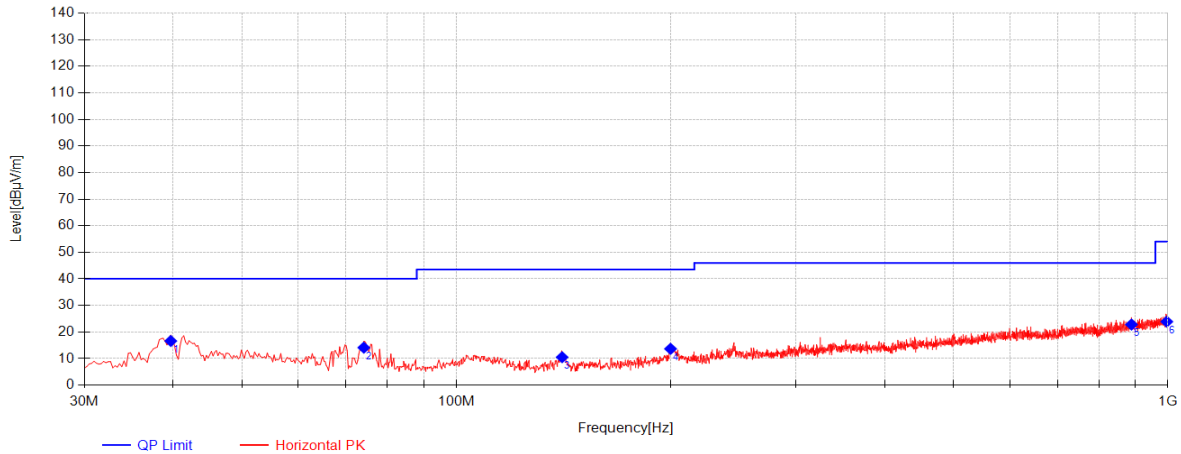


Note: The device does not support channel puncturing for CBP mode, the CBP mode empty channel reduction mechanism to protect incumbent operations.

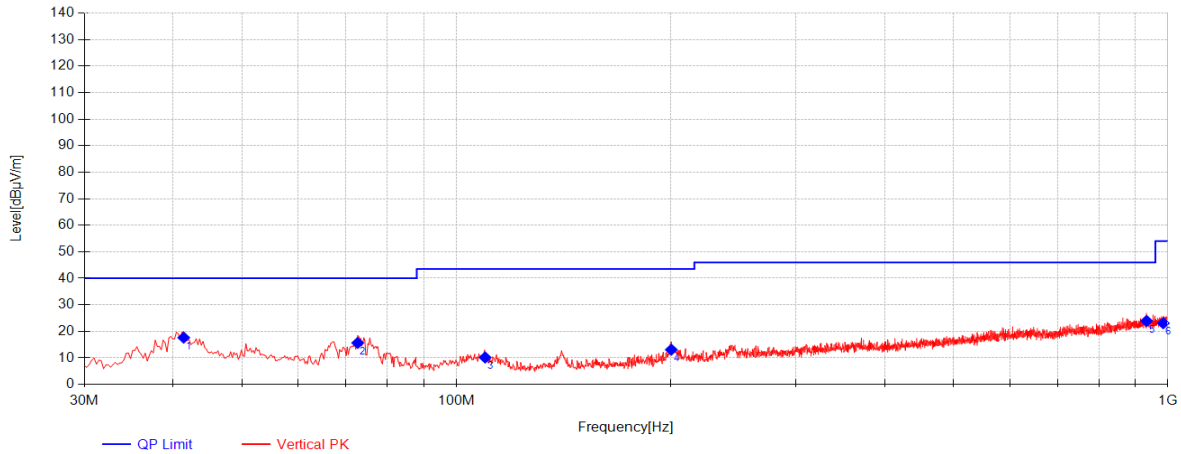
Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11ax20_Channel 233



Final Data List							
NO.	Frequency [MHz]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	39.7	-41.20	12.81	16.62	40.00	23.38	Horizontal
2	74.135	-40.71	9.16	14.11	40.00	25.89	Horizontal
3	140.8225	-39.85	13.74	10.50	43.50	33.00	Horizontal
4	199.9925	-39.27	16.47	13.67	43.50	29.83	Horizontal
5	888.6925	-34.43	20.97	22.81	46.00	23.19	Horizontal
6	996.12	-33.73	22.00	23.90	54.00	30.10	Horizontal



Final Data List							
NO.	Frequency [MHz]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	41.3975	-41.16	13.42	17.63	40.00	22.37	Vertical
2	72.68	-40.74	9.90	15.64	40.00	24.36	Vertical
3	109.7825	-40.15	12.41	10.12	43.50	33.38	Vertical
4	200.4775	-39.26	16.14	13.08	43.50	30.42	Vertical
5	933.07	-34.03	21.40	23.91	46.00	22.09	Vertical
6	984.7225	-33.79	21.90	23.04	54.00	30.96	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

$$\text{Value} = \text{Reading(dB}\mu\text{V)} + \text{AF(dB/m)} + \text{Factor(dB)}$$

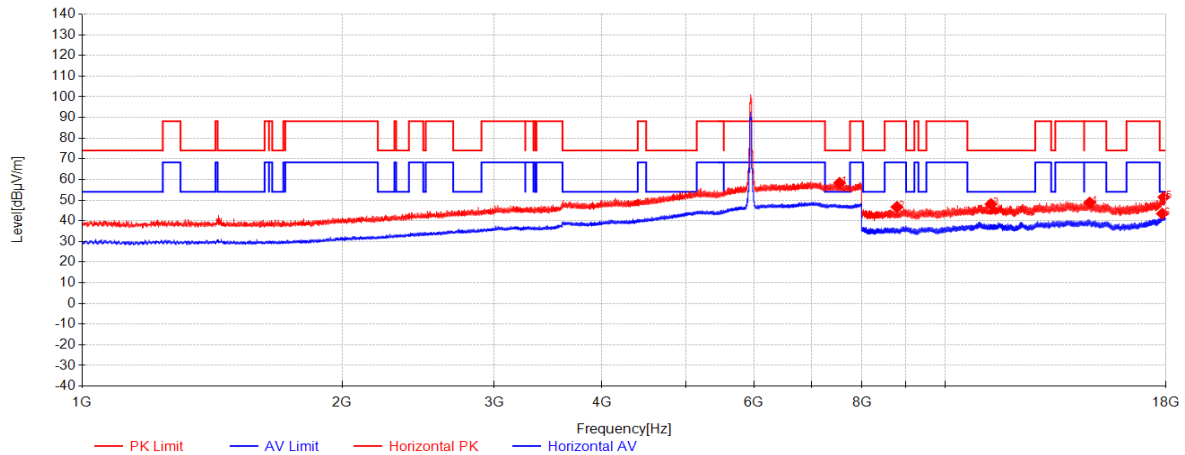
$$\text{AF} = \text{Antenna Factor(dB/m)}$$

$$\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier gain(dB)}$$

$$\text{Margin} = \text{Limit(dB}\mu\text{V/m)} - \text{Value(dB}\mu\text{V/m)}$$
- All channels have been tested, but only the worst case data displayed in this report.

Transmitter emission Above 1GHz

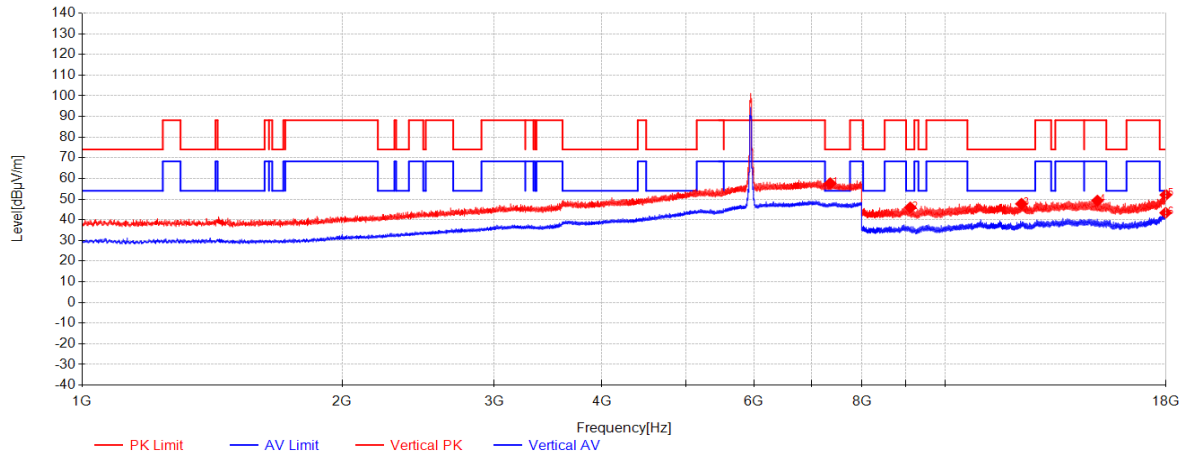
802.11ax20_Channel 01



Data List

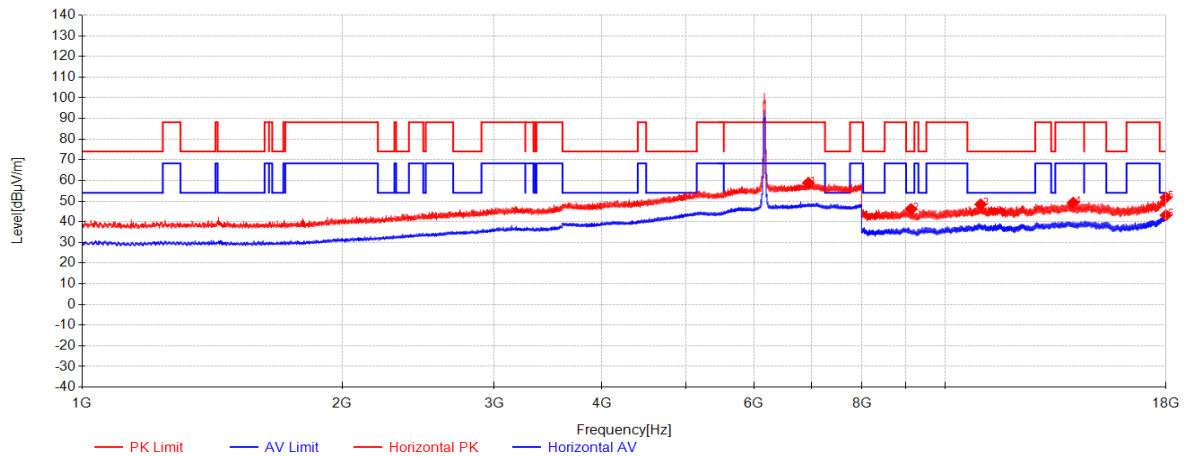
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7536.25	40.23	36.37	-18.29	58.31	74.00	15.69	Horizontal
2	8782.6667	47.99	37.85	-39.16	46.68	88.20	41.52	Horizontal
3	11285	44.31	39.13	-35.35	48.09	74.00	25.91	Horizontal
4	14684.3333	42.45	39.99	-33.65	48.79	88.20	39.41	Horizontal
5	17893.6667	41.03	41.39	-30.99	51.43	74.00	22.57	Horizontal
6	17823.3333	32.72	41.19	-30.49	43.42	54.00	10.58	Horizontal

802.11ax20_Channel 01



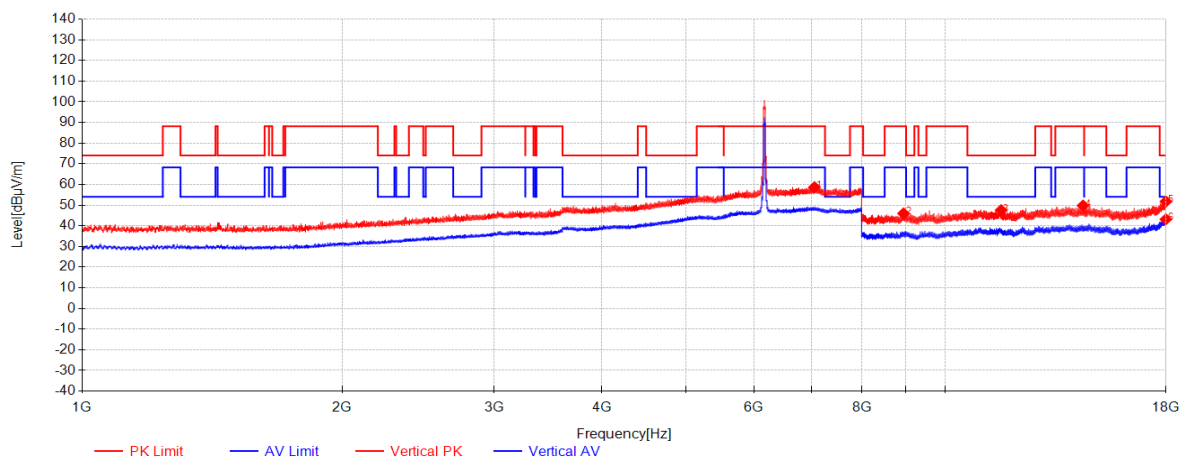
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7351.625	39.12	36.30	-17.75	57.67	74.00	16.33	Vertical
2	9100.6667	47.12	38.01	-39.21	45.92	74.00	28.08	Vertical
3	12242.6667	43.45	38.99	-34.75	47.70	74.00	26.30	Vertical
4	14991.3333	43.35	39.81	-33.91	49.25	88.20	38.95	Vertical
5	17991.6667	41.12	41.68	-30.75	52.05	74.00	21.95	Vertical
6	17982.3333	32.52	41.65	-30.78	43.39	54.00	10.61	Vertical

802.11ax20_Channel 45



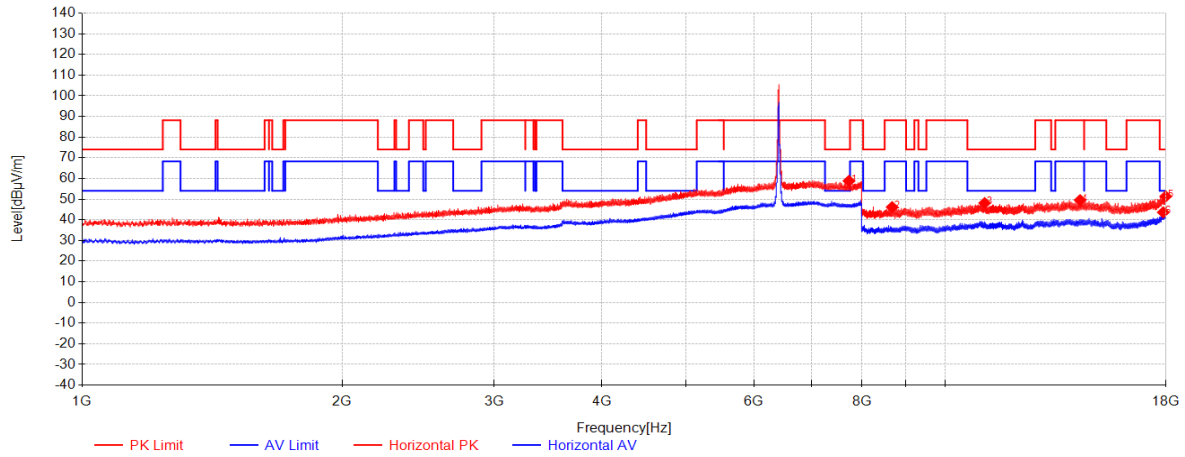
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6934.6875	39.98	36.20	-17.35	58.82	88.20	29.38	Horizontal
2	9119	47.30	38.01	-39.15	46.16	74.00	27.84	Horizontal
3	10980	44.86	39.28	-35.72	48.42	74.00	25.58	Horizontal
4	14053	43.77	40.37	-34.89	49.25	88.20	38.95	Horizontal
5	17996	40.78	41.69	-30.73	51.74	74.00	22.26	Horizontal
6	17993.3333	32.24	41.68	-30.74	43.18	54.00	10.82	Horizontal

802.11ax20_Channel 45



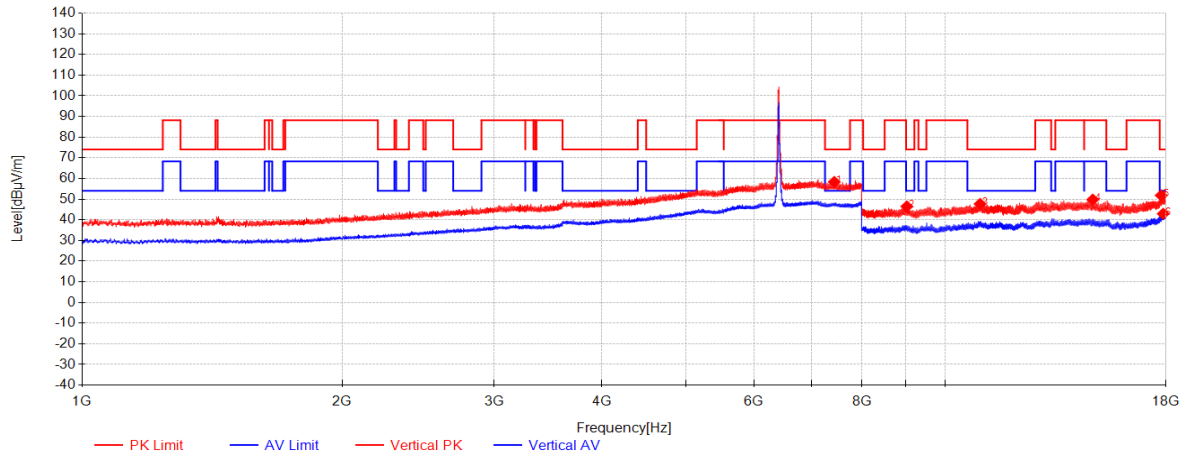
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7049.3125	39.66	36.30	-17.29	58.67	88.20	29.53	Vertical
2	8940	46.84	37.96	-38.82	45.97	88.20	42.23	Vertical
3	11594.3333	43.40	38.94	-34.79	47.55	74.00	26.45	Vertical
4	14428.6667	43.64	40.14	-34.00	49.78	88.20	38.42	Vertical
5	17997	40.80	41.69	-30.73	51.76	74.00	22.24	Vertical
6	17995.3333	32.19	41.69	-30.73	43.14	54.00	10.86	Vertical

802.11ax20_Channel 93



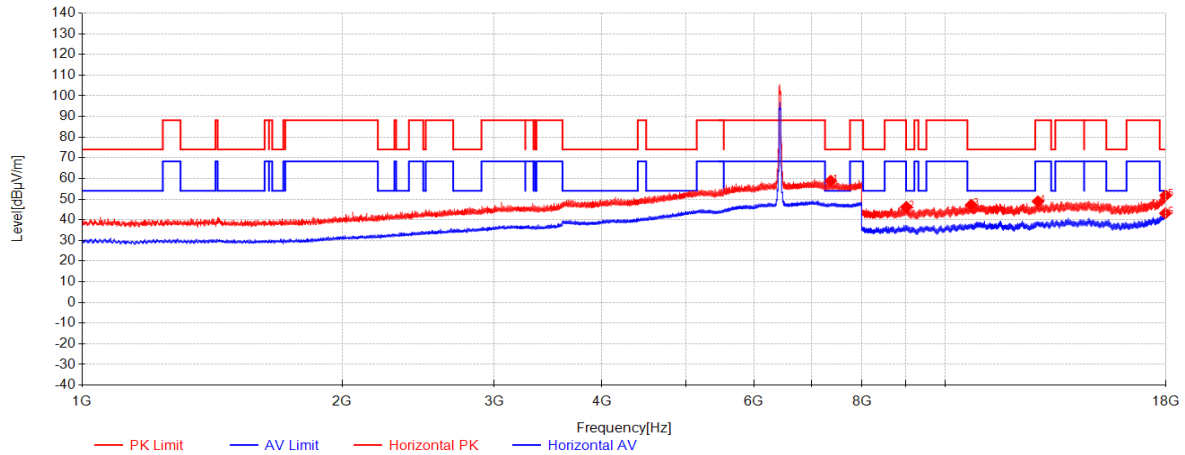
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7727.875	40.72	36.76	-18.65	58.82	74.00	15.18	Horizontal
2	8671	47.56	37.77	-39.19	46.14	88.20	42.06	Horizontal
3	11098	44.45	39.24	-35.59	48.10	74.00	25.90	Horizontal
4	14314.3333	43.70	40.21	-34.39	49.52	88.20	38.68	Horizontal
5	17986	40.41	41.66	-30.76	51.30	74.00	22.70	Horizontal
6	17869.6667	33.12	41.32	-30.82	43.62	54.00	10.38	Horizontal

802.11ax20_Channel 93



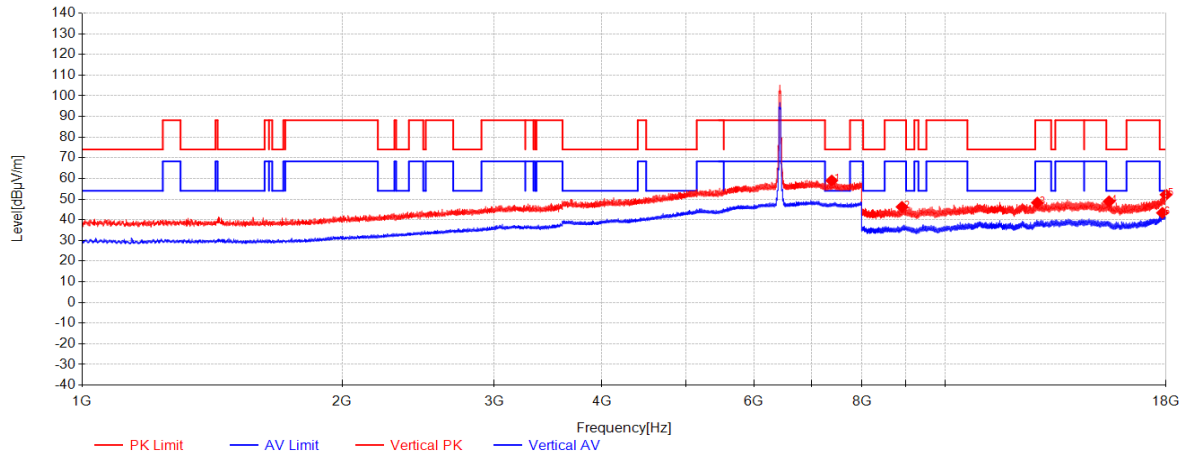
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7431.25	39.90	36.30	-17.89	58.31	74.00	15.69	Vertical
2	9018.3333	47.10	38.00	-38.65	46.45	74.00	27.55	Vertical
3	10963.6667	44.19	39.26	-35.77	47.67	74.00	26.33	Vertical
4	14804.6667	43.94	39.92	-34.08	49.77	88.20	38.43	Vertical
5	17770.6667	41.32	41.03	-30.54	51.82	74.00	22.18	Vertical
6	17866.6667	32.40	41.31	-30.80	42.91	54.00	11.09	Vertical

802.11ax20_Channel 97



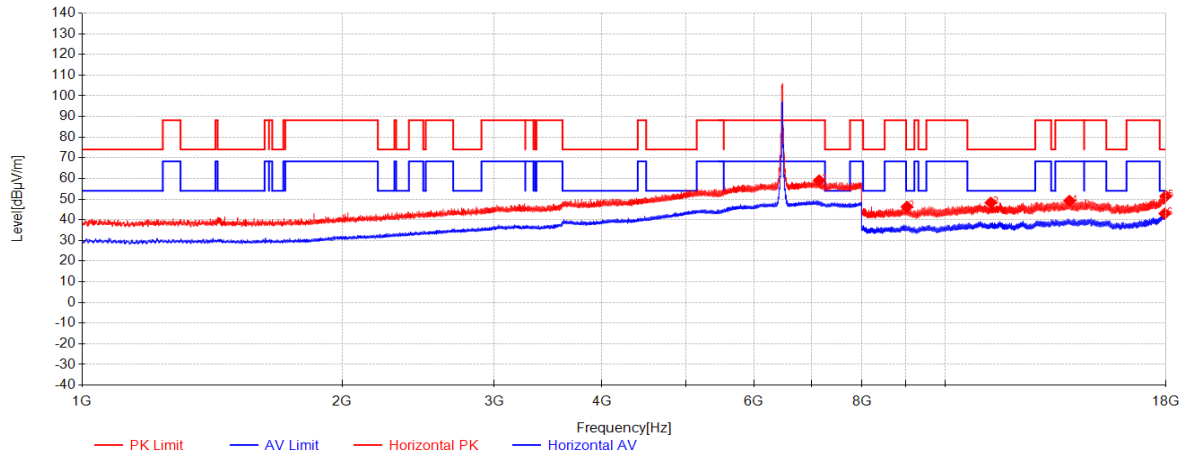
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7361.25	40.29	36.30	-17.75	58.84	74.00	15.16	Horizontal
2	9007	46.75	38.00	-38.58	46.17	74.00	27.83	Horizontal
3	10706	44.39	38.95	-36.12	47.22	74.00	26.78	Horizontal
4	12792.6667	43.85	39.65	-34.60	48.90	88.20	39.30	Horizontal
5	17985.6667	40.92	41.66	-30.77	51.81	74.00	22.19	Horizontal
6	17972	32.34	41.62	-30.81	43.15	54.00	10.85	Horizontal

802.11ax20_Channel 97



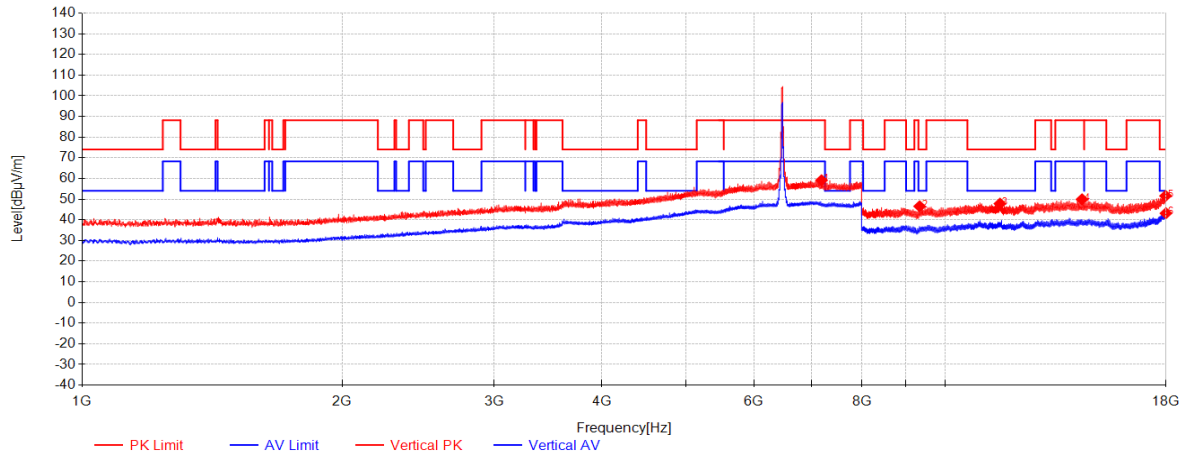
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7380.9375	40.43	36.30	-17.75	58.98	74.00	15.02	Vertical
2	8902	47.33	37.93	-39.01	46.25	88.20	41.95	Vertical
3	12771	43.28	39.63	-34.64	48.27	88.20	39.93	Vertical
4	15462.6667	42.81	38.97	-32.90	48.87	74.00	25.13	Vertical
5	17999.3333	41.17	41.70	-30.72	52.15	74.00	21.85	Vertical
6	17829.6667	32.69	41.21	-30.53	43.36	54.00	10.64	Vertical

802.11ax20_Channel 105



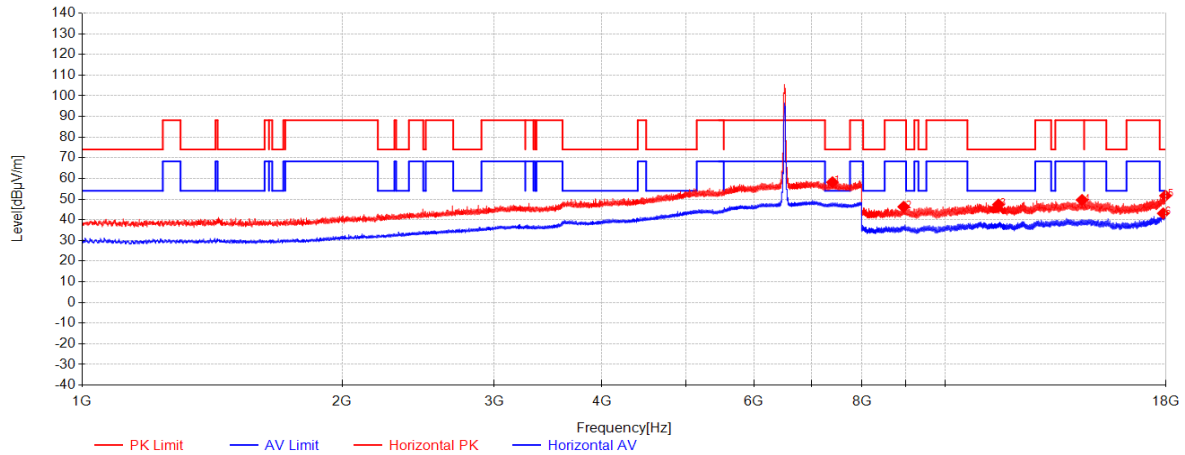
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7137.25	40.28	36.30	-17.52	59.06	88.20	29.14	Horizontal
2	9020	46.98	38.00	-38.67	46.32	74.00	27.68	Horizontal
3	11281.6667	44.51	39.13	-35.36	48.28	74.00	25.72	Horizontal
4	13914.6667	43.22	40.36	-34.41	49.16	88.20	39.04	Horizontal
5	17992.6667	40.53	41.68	-30.74	51.47	74.00	22.53	Horizontal
6	17941.3333	32.41	41.53	-30.91	43.03	54.00	10.97	Horizontal

802.11ax20_Channel 105



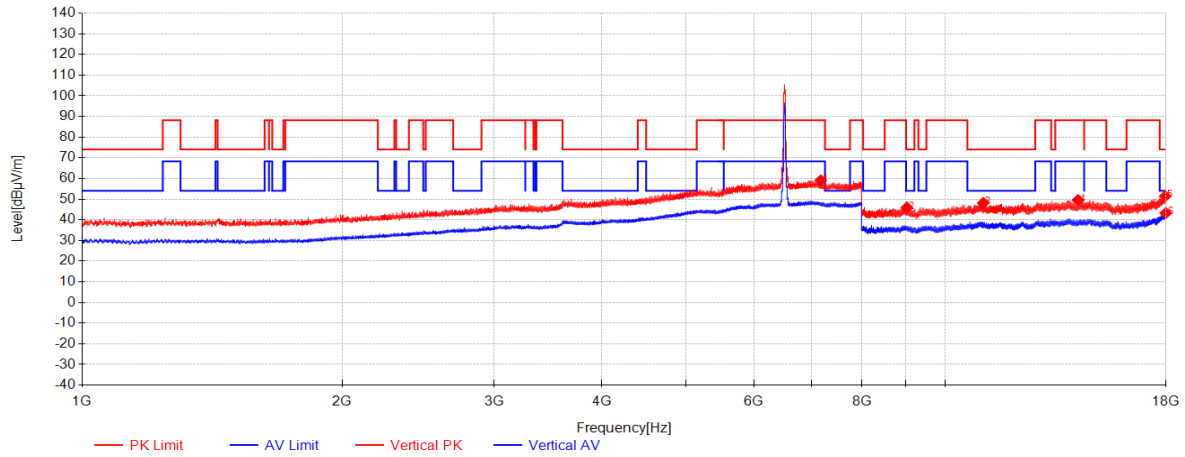
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7182.3125	40.58	36.30	-17.78	59.10	88.20	29.10	Vertical
2	9331.3333	47.06	38.03	-38.56	46.53	74.00	27.47	Vertical
3	11560	43.97	38.96	-35.13	47.81	74.00	26.19	Vertical
4	14389	43.53	40.17	-33.82	49.87	88.20	38.33	Vertical
5	17978.3333	40.72	41.64	-30.79	51.57	74.00	22.43	Vertical
6	17997.6667	32.20	41.69	-30.73	43.17	54.00	10.83	Vertical

802.11ax20_Channel 113



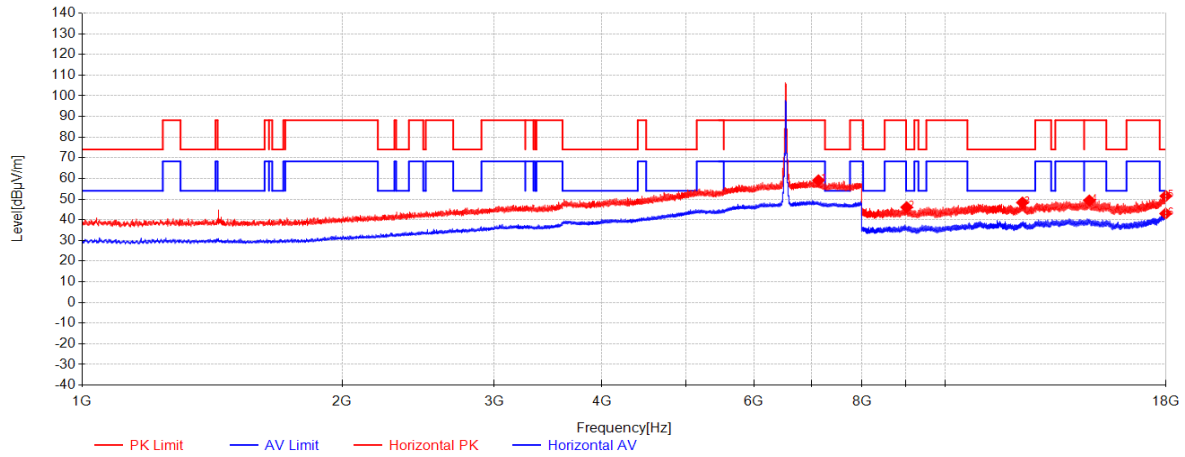
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7394.9375	39.61	36.30	-17.75	58.16	74.00	15.84	Horizontal
2	8942	47.16	37.96	-38.81	46.31	88.20	41.89	Horizontal
3	11515.3333	43.96	38.99	-35.56	47.39	74.00	26.61	Horizontal
4	14387.6667	43.25	40.17	-33.83	49.58	88.20	38.62	Horizontal
5	17974.6667	40.83	41.63	-30.80	51.66	74.00	22.34	Horizontal
6	17867	32.58	41.31	-30.80	43.09	54.00	10.91	Horizontal

802.11ax20_Channel 113



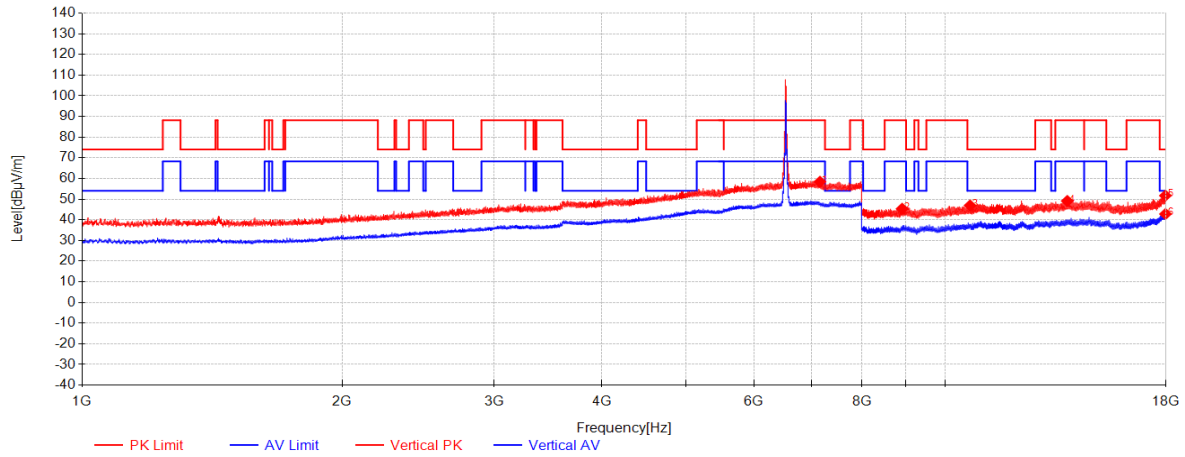
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7168.75	40.49	36.30	-17.70	59.09	88.20	29.11	Vertical
2	9017.3333	46.54	38.00	-38.65	45.89	74.00	28.11	Vertical
3	11055.6667	44.51	39.27	-35.62	48.16	74.00	25.84	Vertical
4	14236.6667	44.18	40.26	-34.87	49.56	88.20	38.64	Vertical
5	17961.6667	40.66	41.59	-30.84	51.41	74.00	22.59	Vertical
6	17990.6667	32.35	41.67	-30.75	43.27	54.00	10.73	Vertical

802.11ax20_Channel 117



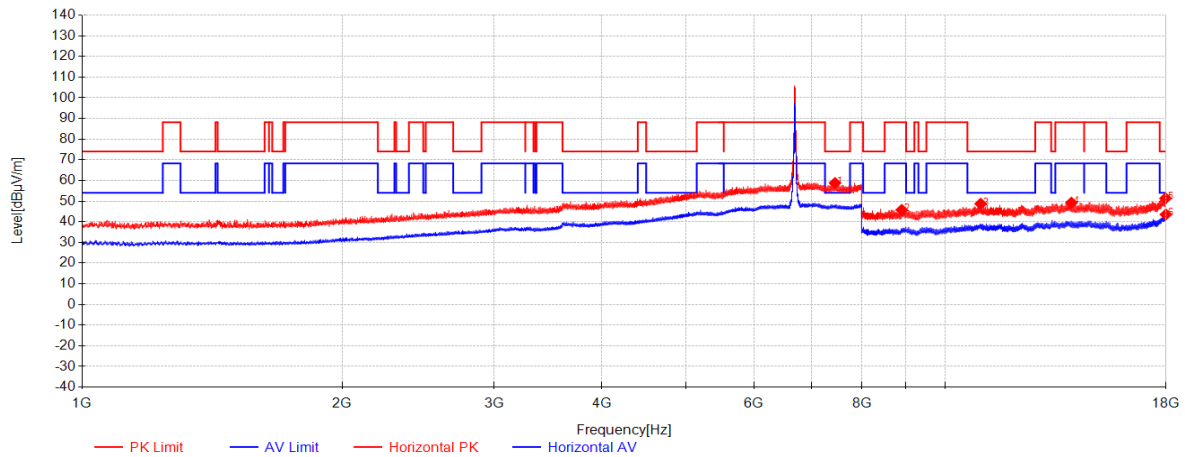
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7123.6875	40.21	36.30	-17.45	59.06	88.20	29.14	Horizontal
2	9013.6667	46.69	38.00	-38.62	46.07	74.00	27.93	Horizontal
3	12274.3333	43.78	39.03	-34.46	48.35	74.00	25.65	Horizontal
4	14671	43.07	40.00	-33.75	49.32	88.20	38.88	Horizontal
5	17992	40.57	41.68	-30.75	51.50	74.00	22.50	Horizontal
6	17981.6667	32.12	41.65	-30.78	42.99	54.00	11.01	Horizontal

802.11ax20_Channel 117



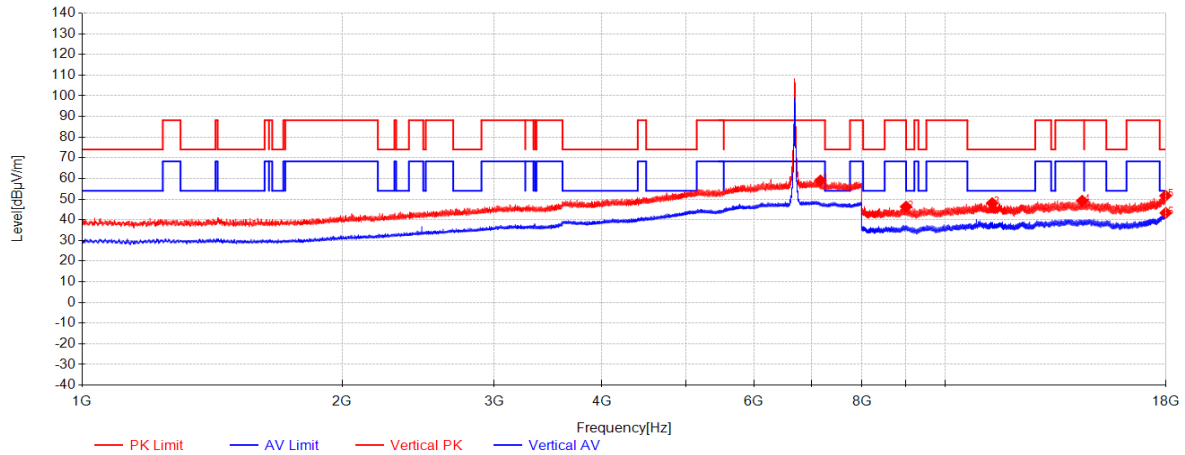
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7153	39.71	36.30	-17.61	58.40	88.20	29.80	Vertical
2	8906	46.40	37.93	-38.99	45.34	88.20	42.86	Vertical
3	10675.3333	44.22	38.91	-36.19	46.94	74.00	27.06	Vertical
4	13833.3333	43.47	40.32	-34.69	49.10	88.20	39.10	Vertical
5	17969.6667	40.91	41.61	-30.82	51.70	74.00	22.30	Vertical
6	17975.3333	31.98	41.63	-30.80	42.81	54.00	11.19	Vertical

802.11ax20_Channel 149



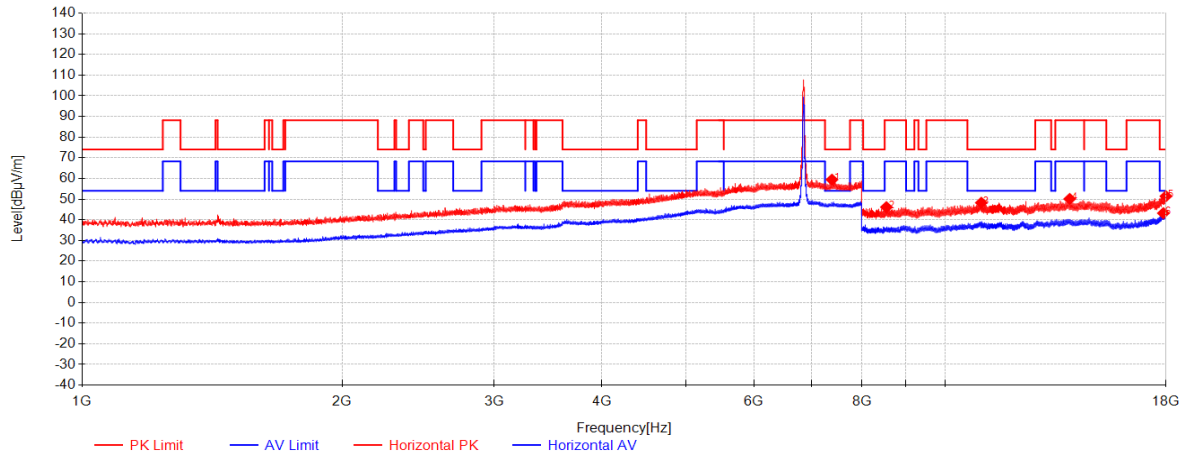
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7445.25	40.42	36.30	-17.96	58.76	74.00	15.24	Horizontal
2	8895	46.86	37.93	-39.03	45.76	88.20	42.44	Horizontal
3	10982.3333	45.14	39.28	-35.71	48.71	74.00	25.29	Horizontal
4	13987	43.76	40.39	-34.92	49.23	88.20	38.97	Horizontal
5	17979	40.49	41.64	-30.79	51.34	74.00	22.66	Horizontal
6	17994.6667	32.60	41.68	-30.74	43.55	54.00	10.45	Horizontal

802.11ax20_Channel 149



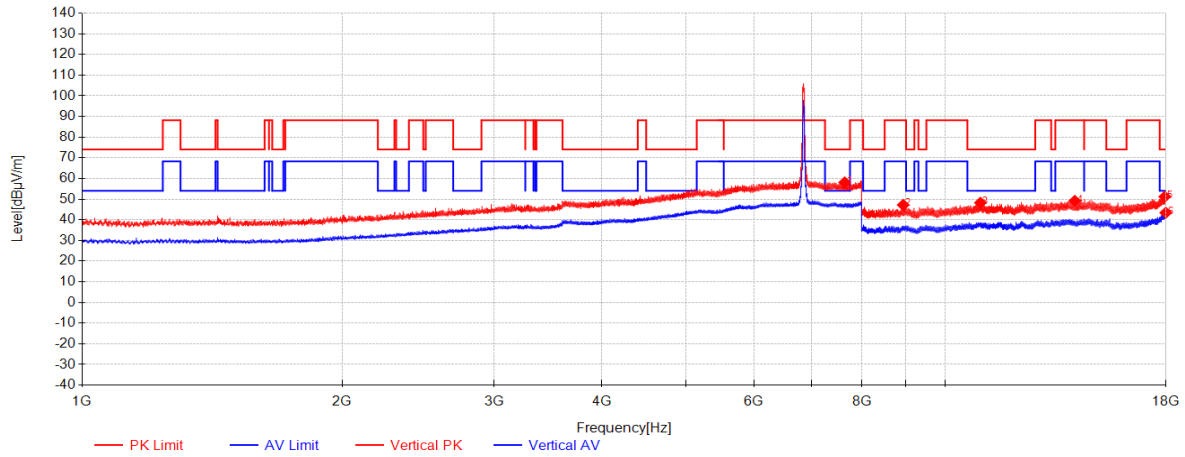
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7161.75	40.34	36.30	-17.66	58.98	88.20	29.22	Vertical
2	8999.3333	46.86	38.00	-38.53	46.33	88.20	41.87	Vertical
3	11323	44.36	39.11	-35.43	48.04	74.00	25.96	Vertical
4	14394	42.81	40.16	-33.79	49.19	88.20	39.01	Vertical
5	17976	40.79	41.63	-30.80	51.62	74.00	22.38	Vertical
6	17988.6667	32.41	41.67	-30.76	43.32	54.00	10.68	Vertical

802.11ax20_Channel 181



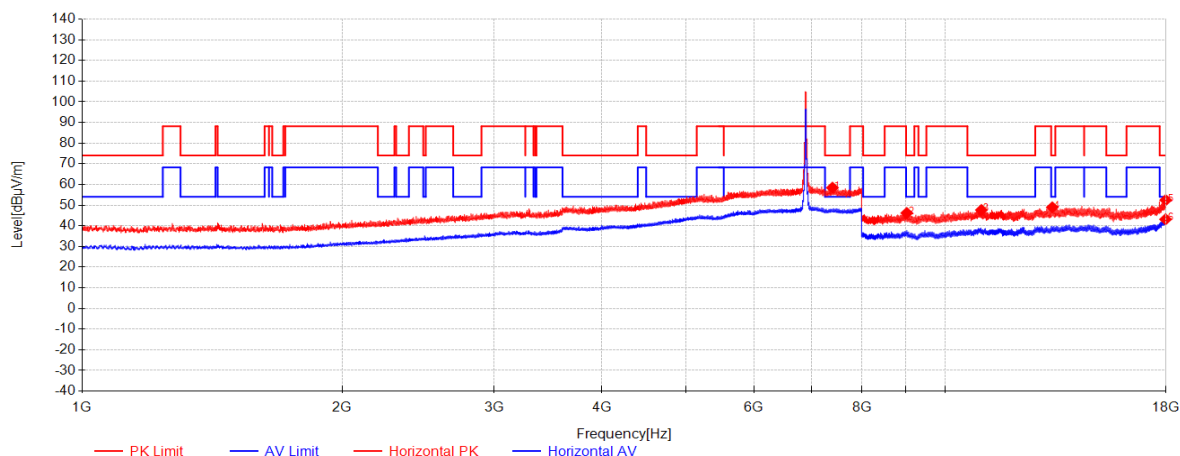
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7385.3125	40.87	36.30	-17.75	59.42	74.00	14.58	Horizontal
2	8540.3333	48.11	37.68	-39.66	46.13	88.20	42.07	Horizontal
3	10999	44.60	39.30	-35.65	48.25	74.00	25.75	Horizontal
4	13923	44.21	40.36	-34.47	50.10	88.20	38.10	Horizontal
5	17997.3333	40.44	41.69	-30.73	51.40	74.00	22.60	Horizontal
6	17876	32.73	41.34	-30.87	43.20	54.00	10.80	Horizontal

802.11ax20_Channel 181



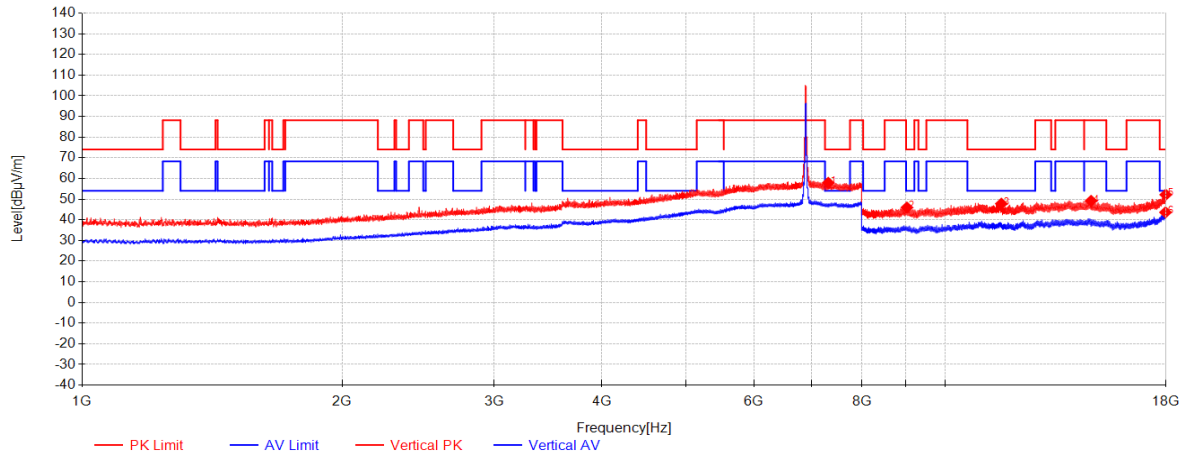
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7639.9375	39.99	36.58	-18.51	58.06	74.00	15.94	Vertical
2	8931.3333	48.10	37.95	-38.87	47.19	88.20	41.01	Vertical
3	10972.6667	44.74	39.27	-35.74	48.26	74.00	25.74	Vertical
4	14112.6667	43.62	40.33	-34.82	49.13	88.20	39.07	Vertical
5	17940.3333	40.58	41.53	-30.91	51.20	74.00	22.80	Vertical
6	17991	32.50	41.67	-30.75	43.43	54.00	10.57	Vertical

802.11ax20_Channel 189



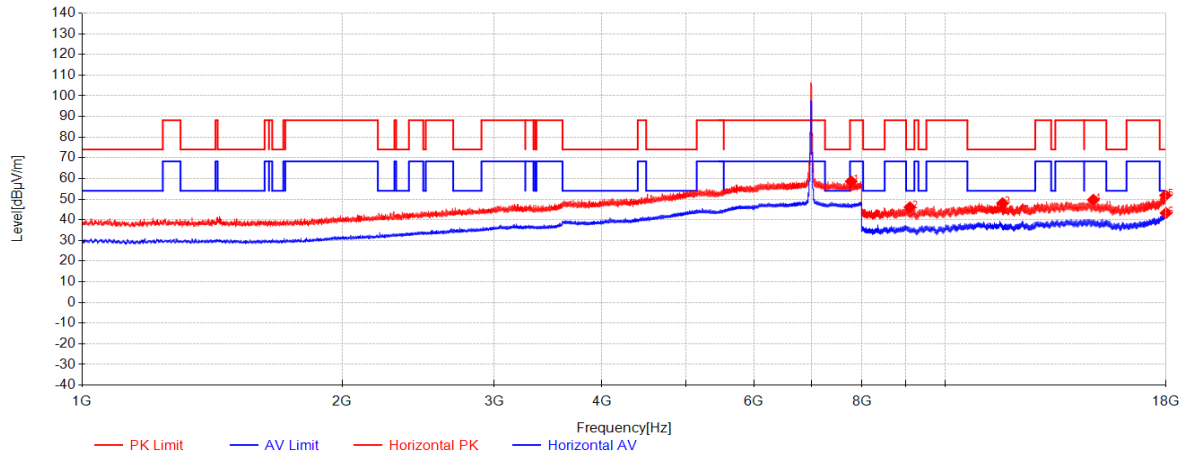
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7394.9375	39.87	36.30	-17.75	58.42	74.00	15.58	Horizontal
2	9016.6667	46.82	38.00	-38.64	46.18	74.00	27.82	Horizontal
3	11002.3333	43.99	39.30	-35.65	47.64	74.00	26.36	Horizontal
4	13291	43.59	40.05	-34.73	48.91	74.00	25.09	Horizontal
5	17987	41.53	41.66	-30.76	52.43	74.00	21.57	Horizontal
6	17979	32.27	41.64	-30.79	43.12	54.00	10.88	Horizontal

802.11ax20_Channel 189



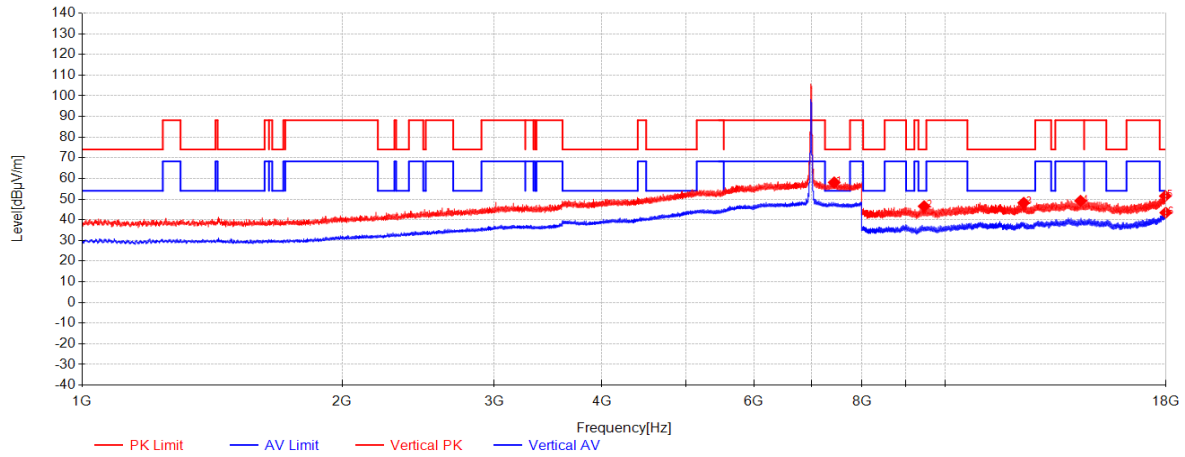
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7312.6875	39.32	36.30	-17.75	57.87	74.00	16.13	Vertical
2	9019.6667	46.60	38.00	-38.66	45.94	74.00	28.06	Vertical
3	11603.3333	43.60	38.94	-34.77	47.77	74.00	26.23	Vertical
4	14740	43.00	39.96	-33.77	49.18	88.20	39.02	Vertical
5	17989	41.23	41.67	-30.76	52.14	74.00	21.86	Vertical
6	17976.6667	32.76	41.63	-30.79	43.60	54.00	10.40	Vertical

802.11ax20_Channel 209



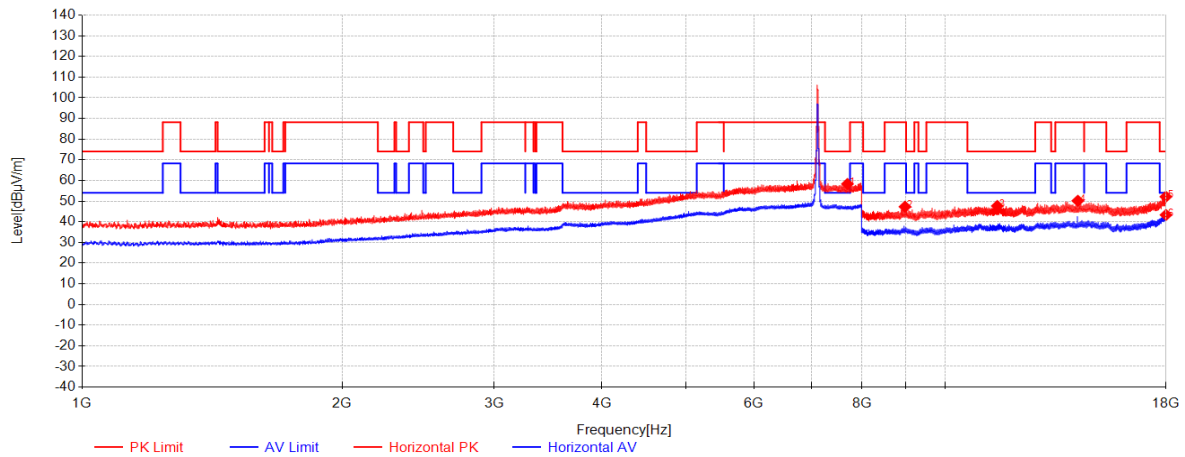
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7773.8125	40.39	36.85	-18.69	58.55	88.20	29.65	Horizontal
2	9091.6667	47.21	38.01	-39.15	46.07	74.00	27.93	Horizontal
3	11641.6667	44.17	38.91	-35.08	48.00	74.00	26.00	Horizontal
4	14827	43.66	39.90	-33.91	49.65	88.20	38.55	Horizontal
5	17975.6667	40.97	41.63	-30.80	51.80	74.00	22.20	Horizontal
6	17997	32.29	41.69	-30.73	43.25	54.00	10.75	Horizontal

802.11ax20_Channel 209



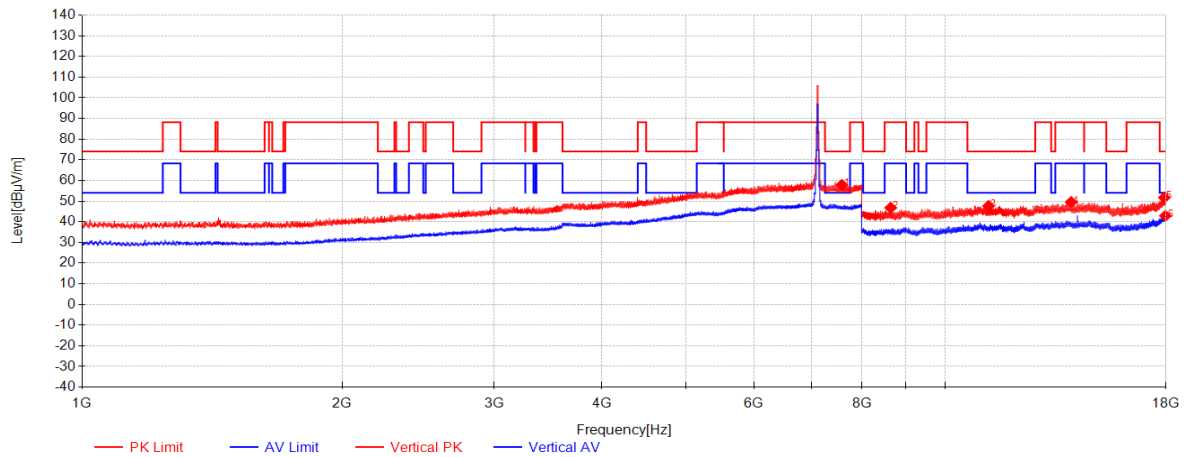
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7429.5	39.66	36.30	-17.89	58.07	74.00	15.93	Vertical
2	9442.6667	46.80	38.04	-38.27	46.57	74.00	27.43	Vertical
3	12317.3333	43.51	39.08	-34.37	48.22	74.00	25.78	Vertical
4	14332	43.21	40.20	-34.26	49.15	88.20	39.05	Vertical
5	17965	40.72	41.60	-30.83	51.49	74.00	22.51	Vertical
6	17987	32.55	41.66	-30.76	43.45	54.00	10.55	Vertical

802.11ax20_Channel 233



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7696.8125	40.25	36.69	-18.62	58.32	74.00	15.68	Horizontal
2	8975	47.96	37.98	-38.65	47.29	88.20	40.91	Horizontal
3	11478.6667	44.40	39.01	-35.75	47.66	74.00	26.34	Horizontal
4	14227.6667	44.82	40.26	-34.93	50.16	88.20	38.04	Horizontal
5	17991.3333	41.21	41.67	-30.75	52.14	74.00	21.86	Horizontal
6	17999.3333	32.33	41.70	-30.72	43.31	54.00	10.69	Horizontal

802.11ax20_Channel 233



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7582.625	39.79	36.47	-18.39	57.86	74.00	16.14	Vertical
2	8638	48.17	37.75	-39.14	46.78	88.20	41.42	Vertical
3	11214	44.09	39.17	-35.61	47.65	74.00	26.35	Vertical
4	13977	44.02	40.39	-34.85	49.56	88.20	38.64	Vertical
5	17920.6667	41.22	41.47	-30.97	51.72	74.00	22.28	Vertical
6	17972.6667	32.09	41.62	-30.81	42.90	54.00	11.10	Vertical