

TEST REPORT

Application No.: SUCR2604000344MO

Applicant: Hangzhou Tuya Information Technology Co., Ltd.

Address of Applicant: Room 301,Building 1,Huace Center,Xihu District,Hangzhou City,Zhejiang Province, China

Manufacturer: Hangzhou Tuya Information Technology Co., Ltd.

Address of Manufacturer: Room 301,Building 1,Huace Center,Xihu District,Hangzhou City,Zhejiang Province, China

Equipment Under Test (EUT):

EUT Name: Wi-Fi and Bluetooth Module

Model No.: T7-2S

FCC ID: 2ANDL-T72S

Standard(s) : 47 CFR Part 15, Subpart E 15.407

Date of Receipt: 2026-04-10

Date of Test: 2026-05-13 to 2026-05-27

Date of Issue: 2026-05-28

Test Result:
Pass*

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

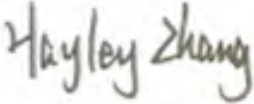
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Revision Record			
Version	Description	Date	Remark
00	Original	2026-05-28	/

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

2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10-2020/Cor1-2023 Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10-2020/Cor1-2023 Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10-2020/Cor1-2023 Section 6.6 & 12.7	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10-2020/Cor1-2023 Section 6.10.5 & 12.7.2	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle		ANSI C63.10-2020/Cor1-2023 Section 12.2	ANSI C63.10-2020/Cor1-2023 Section 12.2	Pass
99% Bandwidth		A ANSI C63.10-2020/Cor1-2023 Section 12.5.3	ANSI C63.10-2020/Cor1-2023 Section 12.5.3	Pass
26dB Emission Bandwidth		ANSI C63.10-2020/Cor1-2023 Section 12.5.2	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB Bandwidth (5.725-5.85 GHz band)		ANSI C63.10-2020/Cor1-2023 Section 12.5.1	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted Output Power		ANSI C63.10-2020/Cor1-2023 Section 12.4	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Power Spectral Density		ANSI C63.10-2020/Cor1-2023 Section 12.6	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10-2020/Cor1-2023 Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass

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4 General Information

4.1 Details of E.U.T.

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); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n 40: 40MHz
DFS Function:	Slave without Radar detection
TPC Function:	Support TPC function
Antenna Type:	PCB Antenna
Antenna Gain:	U-NII-1-/U-NII-2A/U-NII-2C/U-NII-3: 1.53dBi (Provided by the manufacturer)

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	43-55.9%	
Value	Temperature(°C)	Voltage(V)
NTNV	24-28.1	3.3
Note:		
NV:Normal Voltage	LV:Low Extreme Test Voltage	HV:High Extreme Test Voltage
NT:Normal Temperature	LT:Low Extreme Test Temperature	HT:High Extreme Test Temperature

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Computer	Lenovo	T14	2YK6GR
Router	Smavwave Technology Co.,Ltd	SRT 421	RT421X02211300001

4.4 Measurement Uncertainty & Decision Rule

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	Conduction emission	$\pm 3.0\text{dB}$ (150kHz to 30MHz)
5	RF conducted power	$\pm 0.75\text{dB}$
6	RF power density	$\pm 2.84\text{dB}$
7	Conducted Spurious emissions	$\pm 0.75\text{dB}$
8	RF Radiated power	$\pm 1.56\text{dB}$ (9KHz-30MHz)
		$\pm 4.80\text{dB}$ (30MHz-1GHz)
		$\pm 4.80\text{dB}$ (1GHz-18GHz)
		$\pm 4.80\text{dB}$ (18GHz-40GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Supply voltages	$\pm 1\%$
12	Time	$\pm 3\%$
Remark: The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		

4.5 Test Location

All tests were performed 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

No tests were sub-contracted.

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:

- **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. Test Firm Registration Number:717327

- **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

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

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	2026/1/14	2027/1/13
2	LISN	R&S	ENV216	SUWI-01-19-03	2026/4/22	2027/4/21
3	LISN	Schwarzbeck	ENV216	SUWI-01-19-04	2026/4/22	2027/4/21
4	Test Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR
RF Conducted Test						
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2026/1/14	2027/1/13
2	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-15	2025/11/21	2026/11/20
3	MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	2026/1/14	2027/1/13
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	SUWI-01-07-08	2026/1/14	2027/1/13
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-08-01	2026/1/14	2027/1/13
6	MXG Vector Signal Generator	ROHDE&SCHWARZ	SMR20	SUWI-01-33-01	2025/11/21	2026/11/20
8	Wideband Radio Communication Test Station	Anritsu	MT8000A	SUWI-01-34-02	2025/11/21	2026/11/20
9	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2025/11/21	2026/11/20
10	Power meter	Anritsu	ML2495A	SUWI-01-31-01	2025/11/21	2026/11/20
11	Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	2025/11/21	2026/11/20
12	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2026/1/14	2027/1/13
13	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2026/2/11	2027/2/10
15	Measurement Software	TST	TST 272 V2.02	SUWI-03-55-03	NCR	NCR
16	RF Control unit	TST	TSCB3023R2	SUWI-02-20-01	NCR	NCR
17	RFCables	Tonscend	NA	SUWI-01-03-01	2026/1/15	2027/1/14
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2023/6/3	2026/6/2
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2026/1/14	2027/1/13
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	2025/11/20	2026/11/19
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2026/1/14	2027/1/13
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	2026/1/14	2027/1/13
6	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2025/11/29	2027/11/28
7	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2025/5/7	2027/5/6
8	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2025/5/7	2027/5/6
9	Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2025/5/7	2027/5/6
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2026/1/14	2027/1/13
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2026/1/14	2027/1/13
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2026/1/14	2027/1/13
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	2025/8/25	2026/8/24



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14	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2025/8/25	2026/8/24
15	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	2025/8/26	2026/8/25
16	Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-06	2025/11/21	2026/11/20
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	2026/1/14	2027/1/13
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2026/1/14	2027/1/13
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2026/2/11	2027/2/10
20	Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-06	NCR	NCR
21	RF Control unit	Tonscend	JS0806-1	SUWI-02-20-01	NCR	NCR
22	RFCables	Tonscend	NA	SUWI-01-03-02	2026/1/15	2027/1/14

Remark: NCR=No Calibration Requirement.



6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

The antenna is PCB Antenna no consideration of replacement. The best case gain of the U-NII-1-/U-NII-2A/U-NII-2C/U-NII-3: 1.53dBi

Antenna location: Refer to internal photo.



6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

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/Cor1-2023 Section 6.2

Limit:

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

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

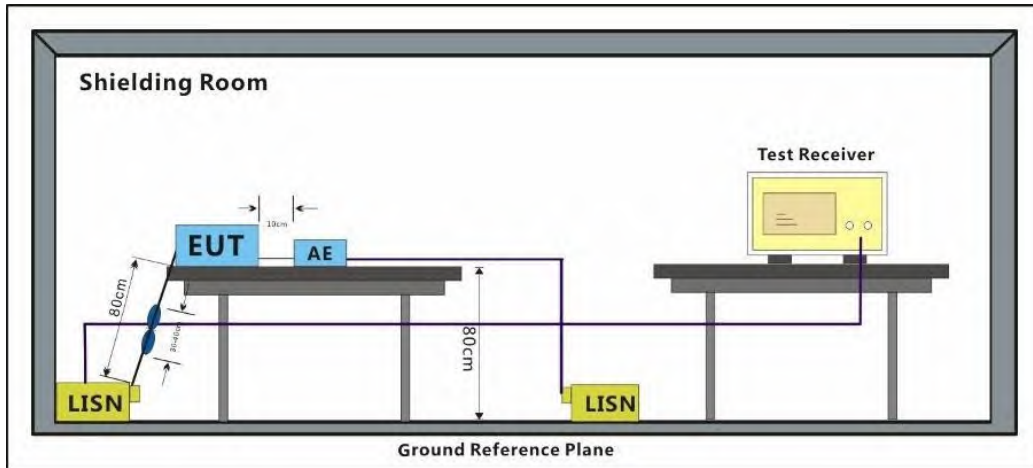
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



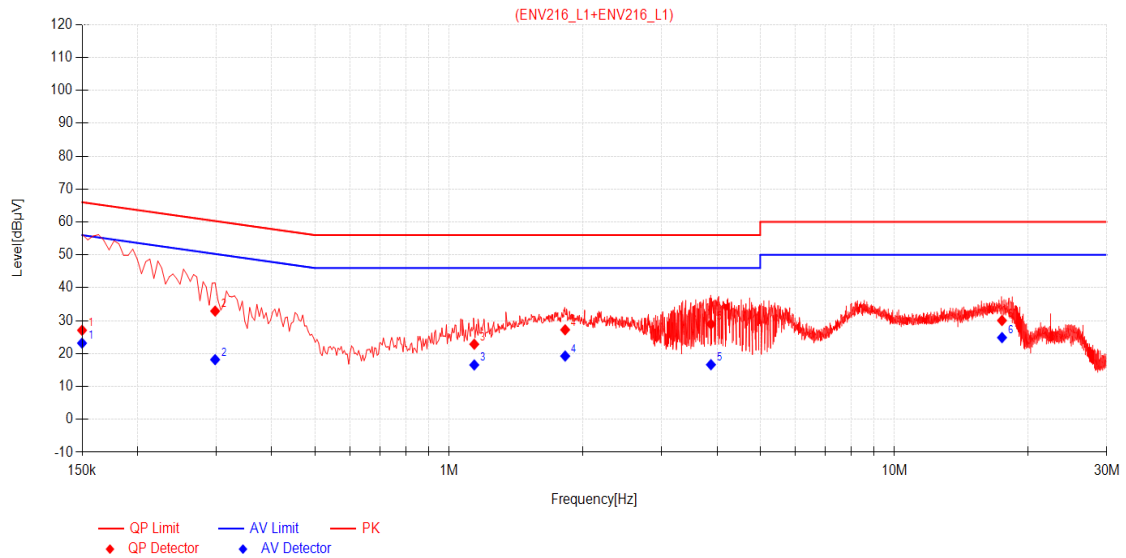
7.1.4 Measurement Procedure and Data

- 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

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

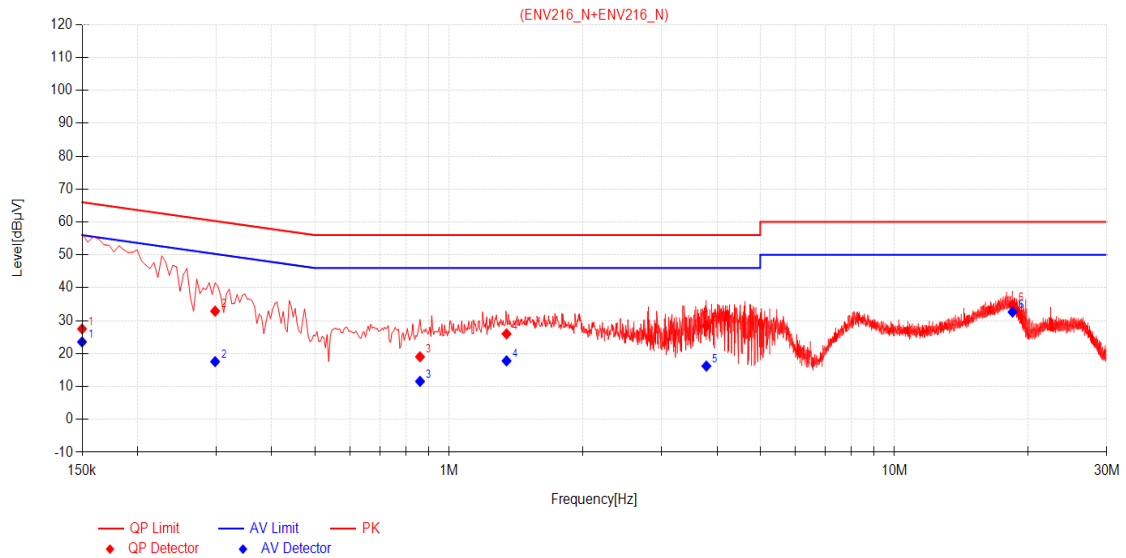
Test Mode: 02; Line: Live line



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1500	9.96	17.12	27.08	66.00	38.92	13.21	23.17	56.00	32.83	PASS
2	0.2985	9.95	22.97	32.92	60.28	27.36	8.21	18.16	50.28	32.12	PASS
3	1.1400	9.94	12.91	22.85	56.00	33.15	6.61	16.55	46.00	29.45	PASS
4	1.8240	9.93	17.30	27.23	56.00	28.77	9.32	19.25	46.00	26.75	PASS
5	3.8760	10.35	18.61	28.96	56.00	27.04	6.27	16.62	46.00	29.38	PASS
6	17.4570	10.84	19.21	30.05	60.00	29.95	14.02	24.86	50.00	25.14	PASS

Test Mode: 02; Line: Neutral Line



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1500	9.96	17.53	27.49	66.00	38.51	13.58	23.54	56.00	32.46	PASS
2	0.2985	9.95	22.95	32.90	60.28	27.38	7.60	17.55	50.28	32.73	PASS
3	0.8610	9.91	9.12	19.03	56.00	36.97	1.64	11.55	46.00	34.45	PASS
4	1.3470	9.91	16.08	25.99	56.00	30.01	7.87	17.78	46.00	28.22	PASS
5	3.7860	10.40	18.03	28.43	56.00	27.57	5.81	16.21	46.00	29.79	PASS
6	18.4335	10.86	23.93	34.79	60.00	25.21	21.75	32.61	50.00	17.39	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/Cor1-2023 Section 6.4,6.5

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

Note

1. The above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

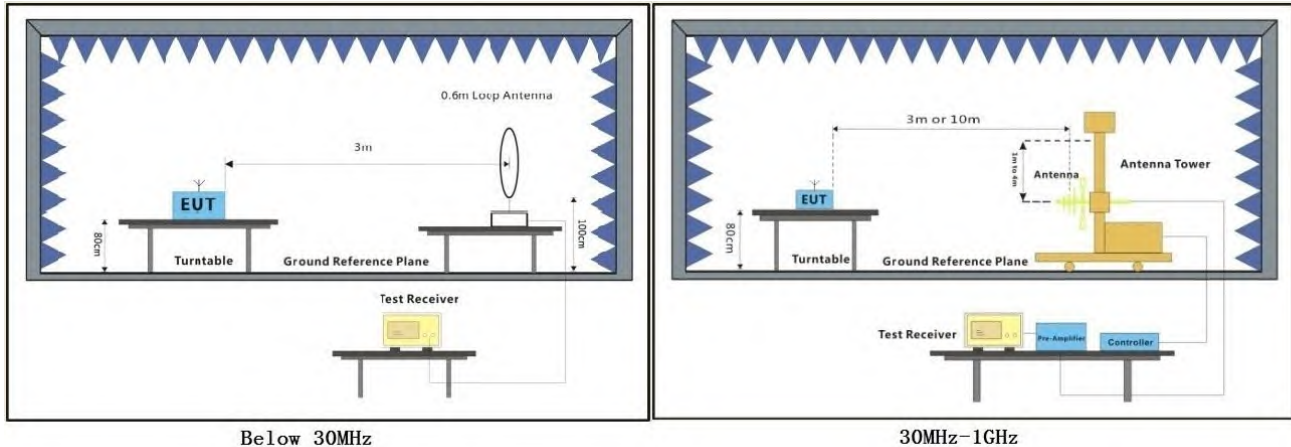
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- The antenna height is varied from 1m to 4m 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 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) 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.
- 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.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

1. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

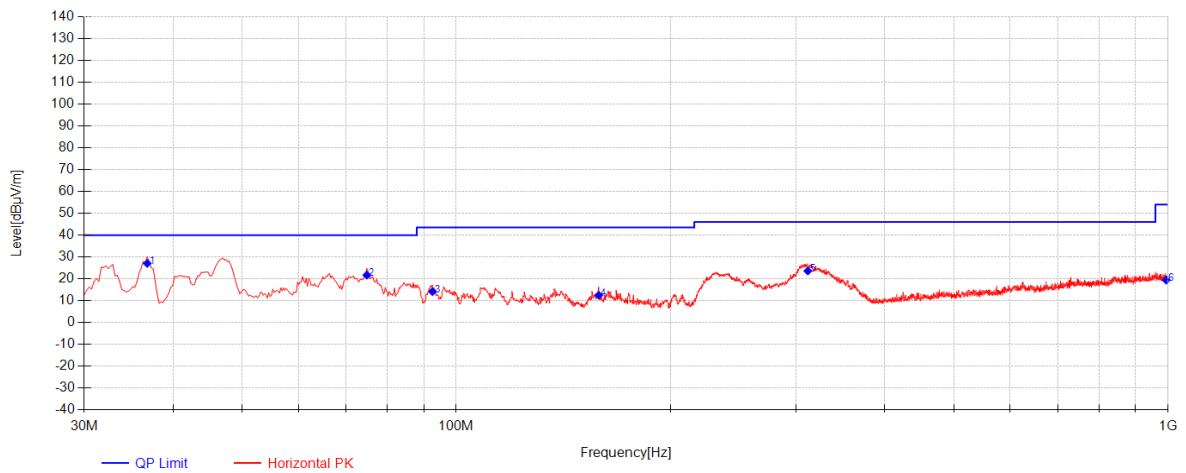
EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

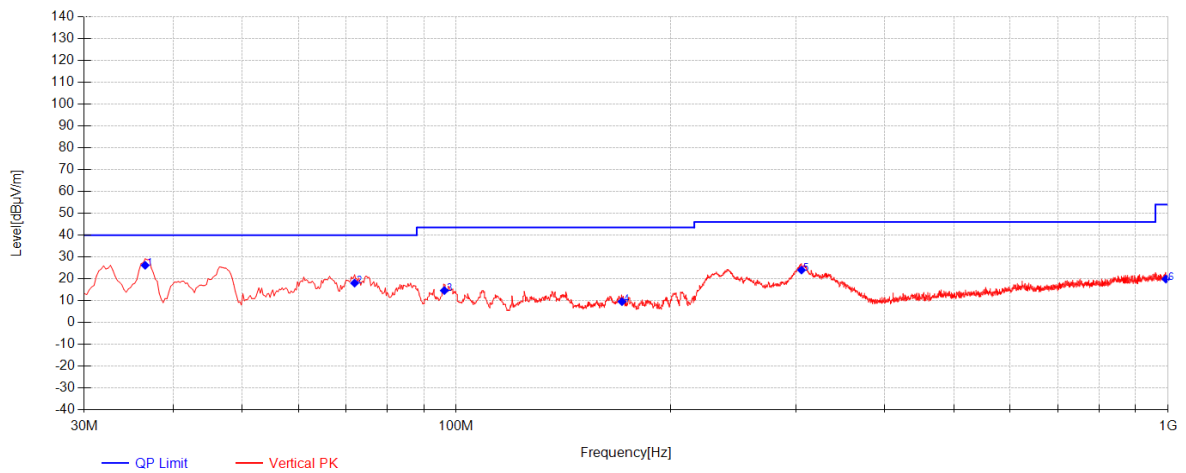
3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

Test Mode: 02; Polarity: Horizontal



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	36.79	50.06	-42.26	19.24	27.04	40.00	12.96	Horizontal
2	74.8625	46.82	-41.73	16.60	21.69	40.00	18.31	Horizontal
3	92.565	41.78	-41.43	13.76	14.11	43.50	29.39	Horizontal
4	158.525	34.16	-40.70	19.00	12.46	43.50	31.04	Horizontal
5	311.785	43.22	-39.84	20.19	23.57	46.00	22.43	Horizontal
6	994.18	25.12	-35.68	29.96	19.40	54.00	34.60	Horizontal

Test Mode: 02; Polarity: Vertical



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	36.5475	49.27	-42.26	19.16	26.18	40.00	13.82	Vertical
2	71.9525	42.16	-41.79	17.66	18.03	40.00	21.97	Vertical
3	96.2025	41.87	-41.43	14.16	14.60	43.50	28.90	Vertical
4	170.8925	31.22	-40.67	18.98	9.53	43.50	33.97	Vertical
5	305.48	44.19	-39.85	19.66	23.99	46.00	22.01	Vertical
6	993.21	25.37	-35.69	30.20	19.88	54.00	34.12	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/Cor1-2023 Section 6.6 & 12.7

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:

1. 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 1000MHz. 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.

2. Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).

7.3.1 E.U.T. Operation

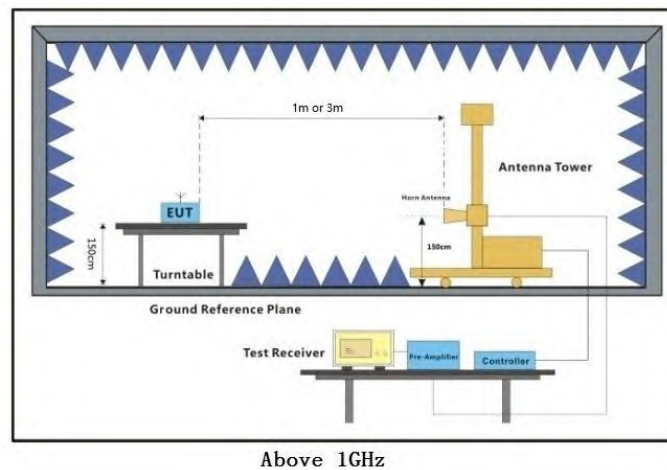
Operating Environment:

Temperature: 24 °C Humidity: 43 % RH Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



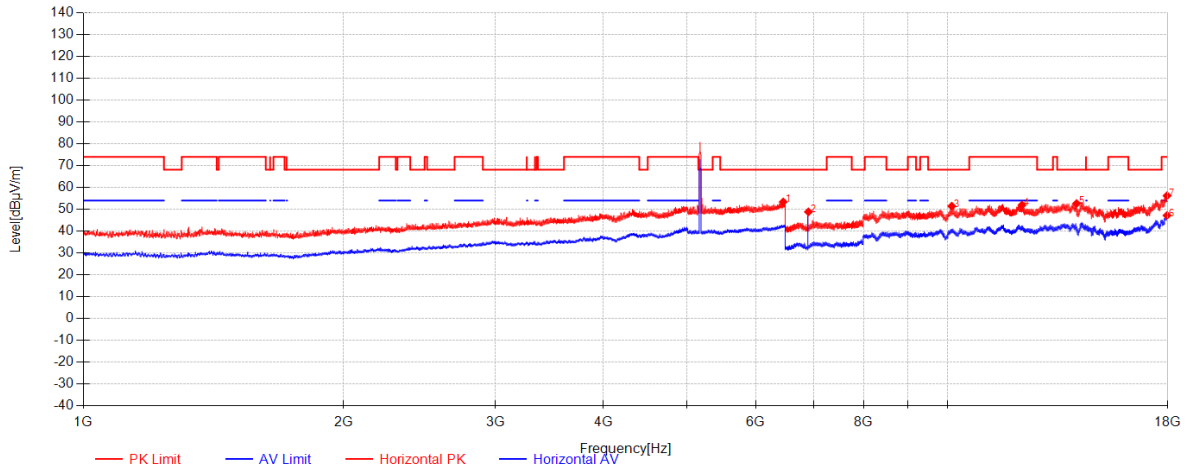
7.3.4 Measurement Procedure and Data

- 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:

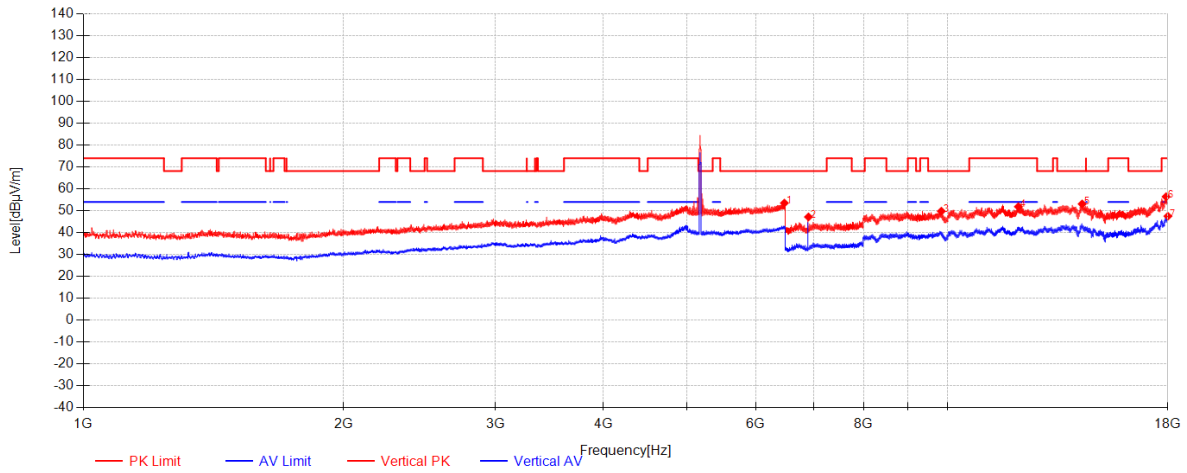
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, The points marked on below plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more 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 below harmonics were the highest point could be found when testing, so only the below 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_36_Horizontal



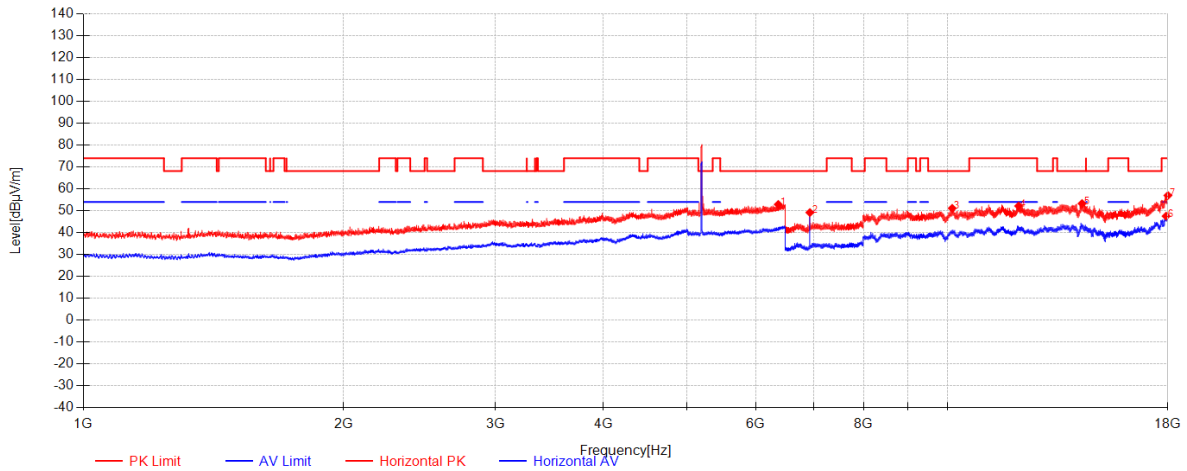
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6456.8462	37.47	35.20	-19.27	53.40	68.20	14.80	Horizontal
2	6906.3333	58.13	36.10	-45.39	48.84	68.20	19.36	Horizontal
3	10117.7083	51.76	38.55	-38.84	51.46	68.20	16.74	Horizontal
4	12198.25	49.61	39.20	-36.87	51.93	74.00	22.07	Horizontal
5	14108.6875	49.43	39.83	-36.60	52.67	68.20	15.53	Horizontal
6	17953.0417	39.40	42.87	-35.06	47.20	54.00	6.80	Horizontal
7	17955.9167	48.42	42.88	-35.06	56.24	74.00	17.76	Horizontal

11a_TX_CH_36_Vertical



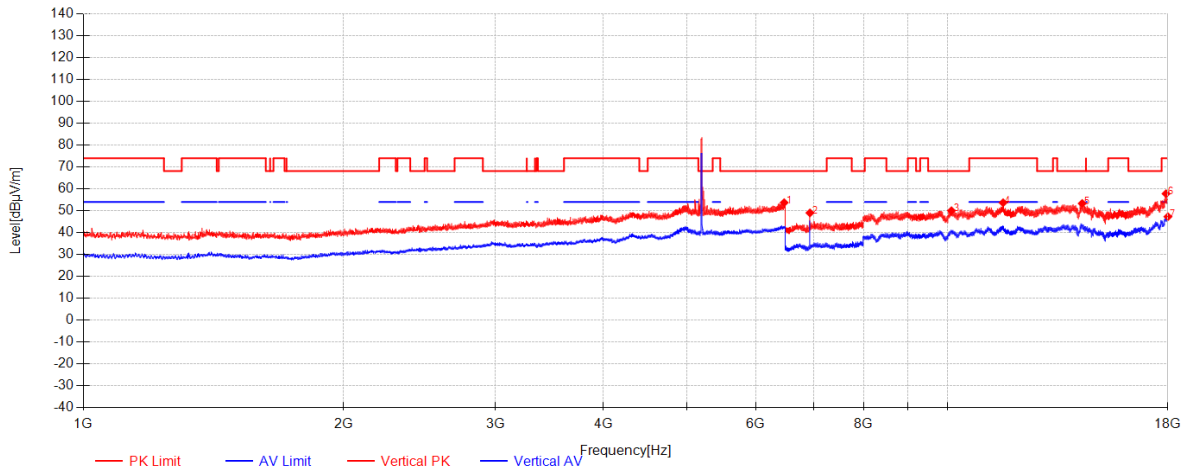
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6476.7308	37.57	35.20	-19.24	53.53	68.20	14.67	Vertical
2	6906.3333	56.47	36.10	-45.39	47.18	68.20	21.02	Vertical
3	9839.7917	51.00	38.20	-39.40	49.80	68.20	18.40	Vertical
4	12083.7292	49.68	38.97	-36.78	51.87	74.00	22.13	Vertical
5	14320.9583	49.08	39.96	-35.92	53.12	68.20	15.08	Vertical
6	17910.3958	48.85	42.65	-35.07	56.43	74.00	17.57	Vertical
7	17996.1667	39.50	43.08	-35.06	47.52	54.00	6.48	Vertical

11a_TX_CH_40_Horizontal



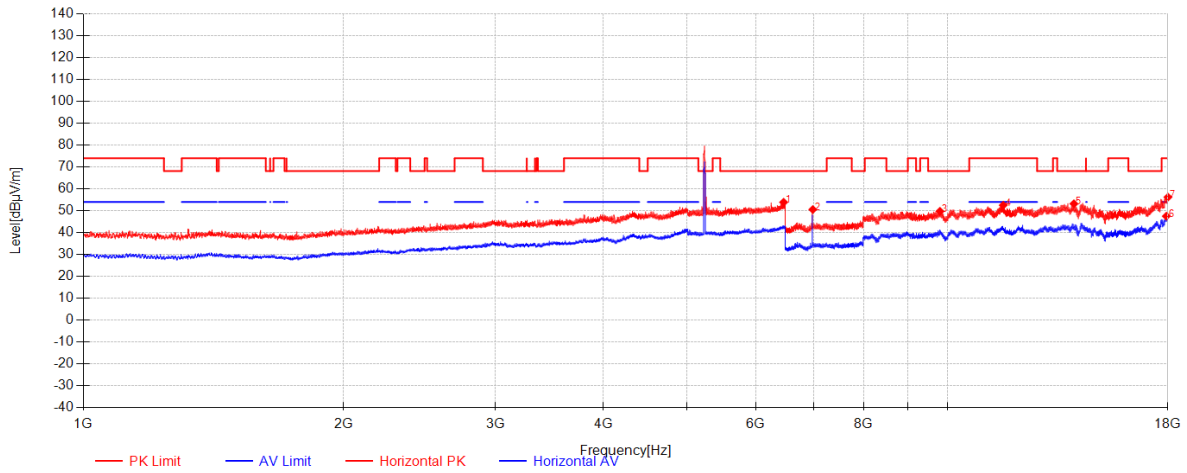
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6372.2308	37.41	34.82	-19.32	52.91	68.20	15.29	Horizontal
2	6933.1667	57.96	36.10	-44.86	49.20	68.20	19.00	Horizontal
3	10129.2083	51.50	38.51	-38.87	51.15	68.20	17.05	Horizontal
4	12092.8333	49.87	38.99	-36.67	52.18	74.00	21.82	Horizontal
5	14315.2083	49.22	39.97	-35.88	53.31	68.20	14.89	Horizontal
6	17909.4375	39.95	42.65	-35.07	47.53	54.00	6.47	Horizontal
7	18000	48.98	43.10	-35.06	57.02	74.00	16.98	Horizontal

11a_TX_CH_40_Vertical



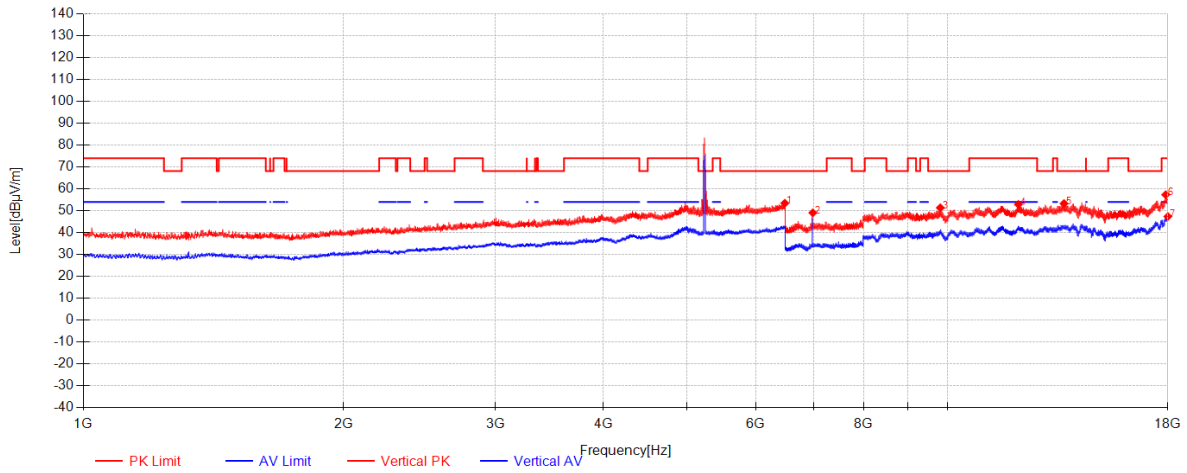
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6472.9231	37.76	35.20	-19.24	53.72	68.20	14.48	Vertical
2	6933.1667	57.78	36.10	-44.86	49.02	68.20	19.18	Vertical
3	10109.0833	50.30	38.57	-38.83	50.05	68.20	18.15	Vertical
4	11600.25	51.32	38.90	-36.53	53.69	74.00	20.31	Vertical
5	14321.9167	49.32	39.96	-35.93	53.35	68.20	14.85	Vertical
6	17908.9583	50.23	42.64	-35.07	57.81	74.00	16.19	Vertical
7	17998.0833	39.28	43.09	-35.06	47.31	54.00	6.69	Vertical

11a_TX_CH_48_Horizontal



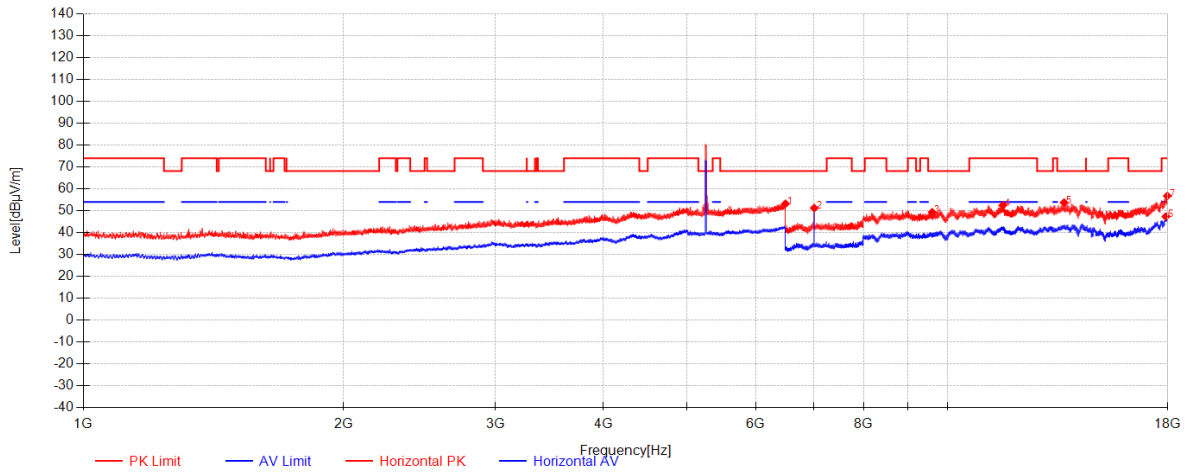
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6463.6154	37.96	35.20	-19.26	53.90	68.20	14.30	Horizontal
2	6986.3542	58.36	36.03	-43.81	50.58	68.20	17.62	Horizontal
3	9804.8125	50.62	38.20	-39.06	49.76	68.20	18.44	Horizontal
4	11604.5625	50.22	38.89	-36.56	52.55	74.00	21.45	Horizontal
5	14010.4583	49.10	40.07	-35.97	53.20	68.20	15.00	Horizontal
6	17921.4167	39.88	42.71	-35.07	47.52	54.00	6.48	Horizontal
7	17999.5208	48.19	43.10	-35.06	56.23	74.00	17.77	Horizontal

11a_TX_CH_48_Vertical



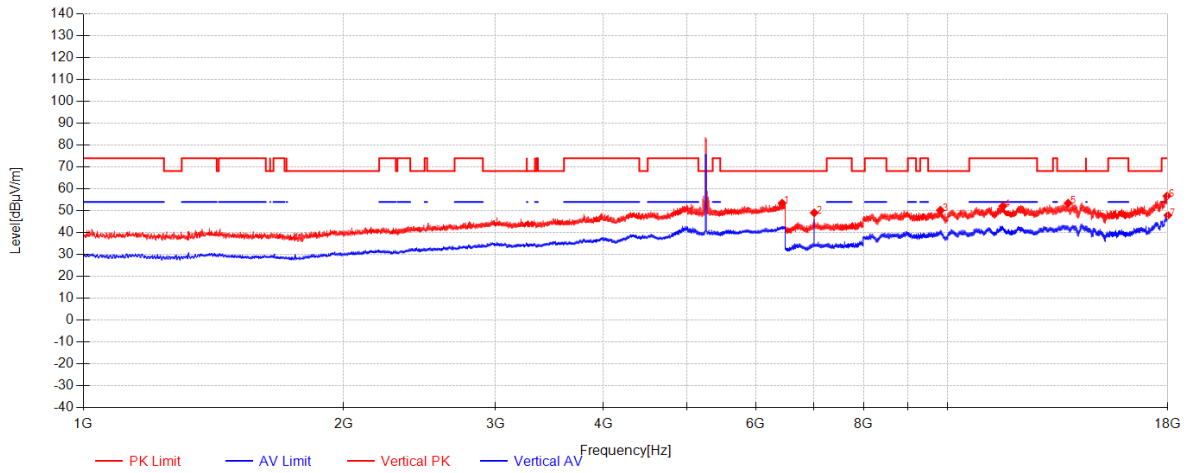
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6484.3462	37.48	35.20	-19.23	53.45	68.20	14.75	Vertical
2	6986.3542	56.85	36.03	-43.81	49.07	68.20	19.13	Vertical
3	9813.9167	52.31	38.20	-39.15	51.36	68.20	16.84	Vertical
4	12081.3333	50.78	38.96	-36.80	52.94	74.00	21.06	Vertical
5	13644.375	49.78	39.94	-36.39	53.33	68.20	14.87	Vertical
6	17891.7083	50.03	42.54	-35.22	57.35	74.00	16.65	Vertical
7	17994.7292	39.38	43.07	-35.06	47.39	54.00	6.61	Vertical

11a_TX_CH_52_Horizontal



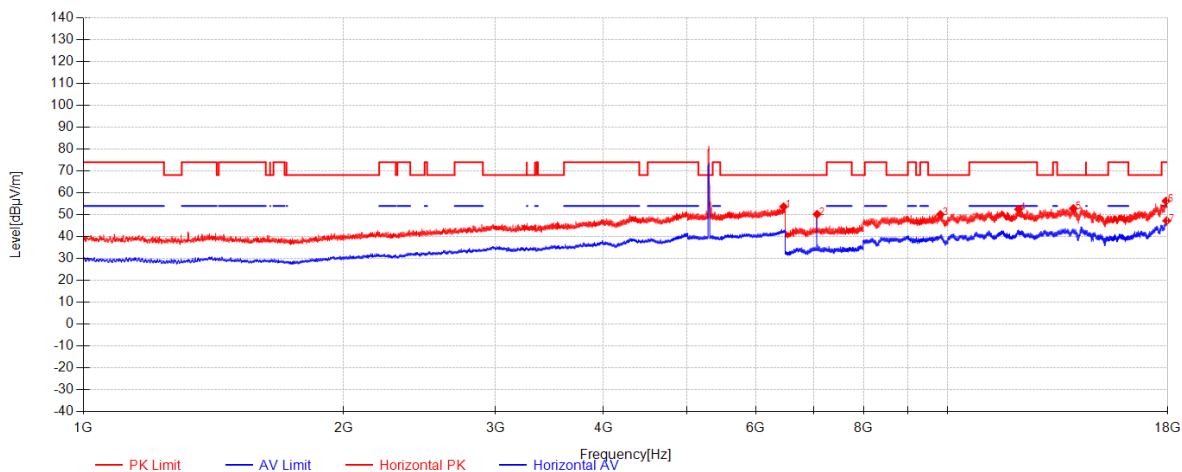
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6495.3462	37.20	35.20	-19.21	53.19	68.20	15.01	Horizontal
2	7013.1875	58.84	35.97	-43.58	51.24	68.20	16.96	Horizontal
3	9603.5625	51.84	38.28	-40.78	49.34	68.20	18.86	Horizontal
4	11592.1042	50.14	38.90	-36.57	52.47	74.00	21.53	Horizontal
5	13647.7292	50.19	39.95	-36.42	53.72	68.20	14.48	Horizontal
6	17898.8958	39.83	42.59	-35.09	47.33	54.00	6.67	Horizontal
7	17967.4167	48.92	42.94	-35.06	56.79	74.00	17.21	Horizontal

11a_TX_CH_52_Vertical



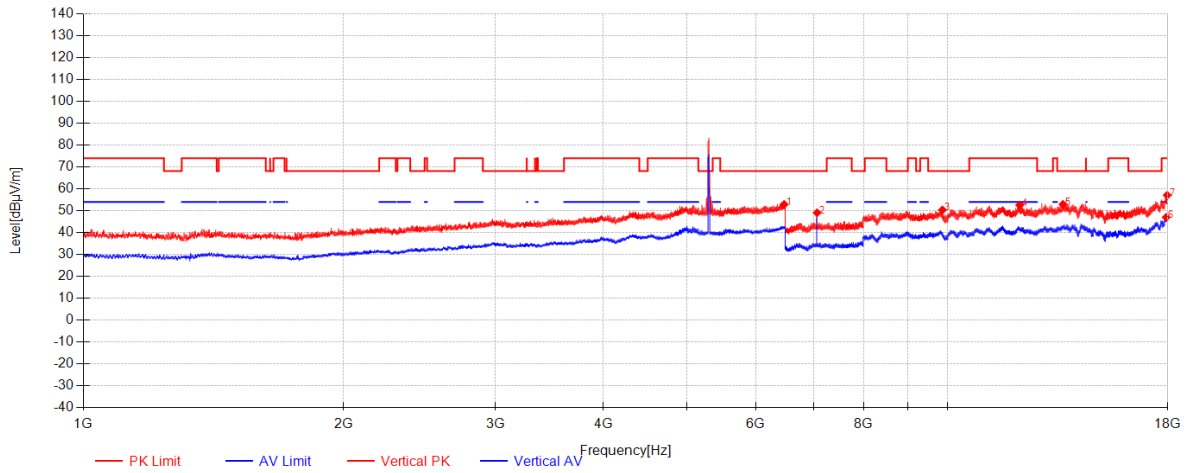
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6437.3846	37.60	35.17	-19.30	53.47	68.20	14.73	Vertical
2	7013.1875	56.67	35.97	-43.58	49.07	68.20	19.13	Vertical
3	9814.875	51.20	38.20	-39.16	50.24	68.20	17.96	Vertical
4	11592.5833	49.75	38.90	-36.57	52.08	74.00	21.92	Vertical
5	13796.2708	50.34	39.90	-36.78	53.46	68.20	14.74	Vertical
6	17951.125	48.97	42.86	-35.06	56.76	74.00	17.24	Vertical
7	17995.6875	39.91	43.08	-35.06	47.93	54.00	6.07	Vertical

11a_TX_CH_60_Horizontal



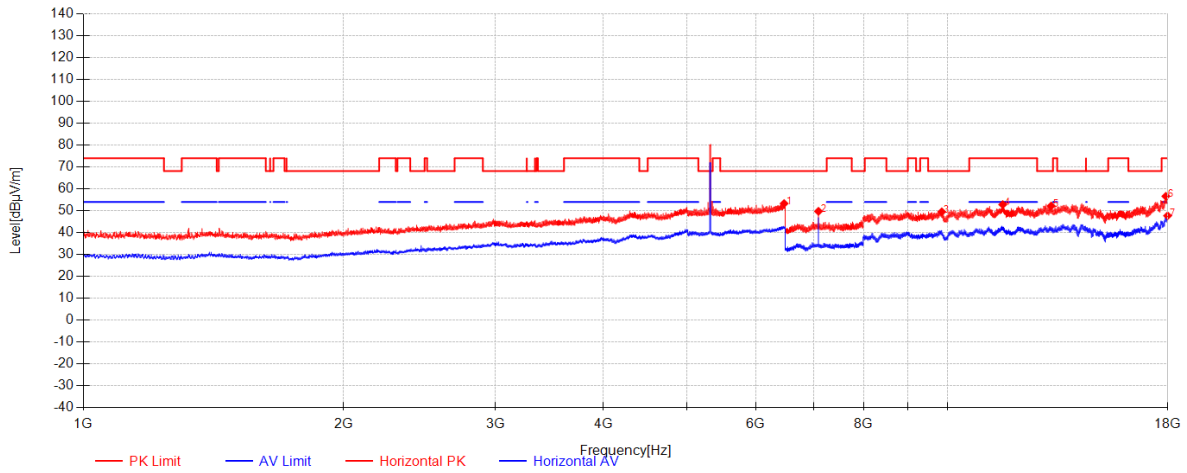
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6463.6154	37.76	35.20	-19.26	53.70	68.20	14.50	Horizontal
2	7066.375	57.96	36.00	-43.72	50.24	68.20	17.96	Horizontal
3	9816.7917	51.12	38.20	-39.18	50.14	68.20	18.06	Horizontal
4	12089.4792	50.26	38.98	-36.71	52.53	74.00	21.47	Horizontal
5	13986.5	48.89	40.05	-36.06	52.87	68.20	15.33	Horizontal
6	17903.6875	48.76	42.62	-35.07	56.31	74.00	17.69	Horizontal
7	17940.5833	39.50	42.80	-35.07	47.24	54.00	6.76	Horizontal

11a_TX_CH_60_Vertical



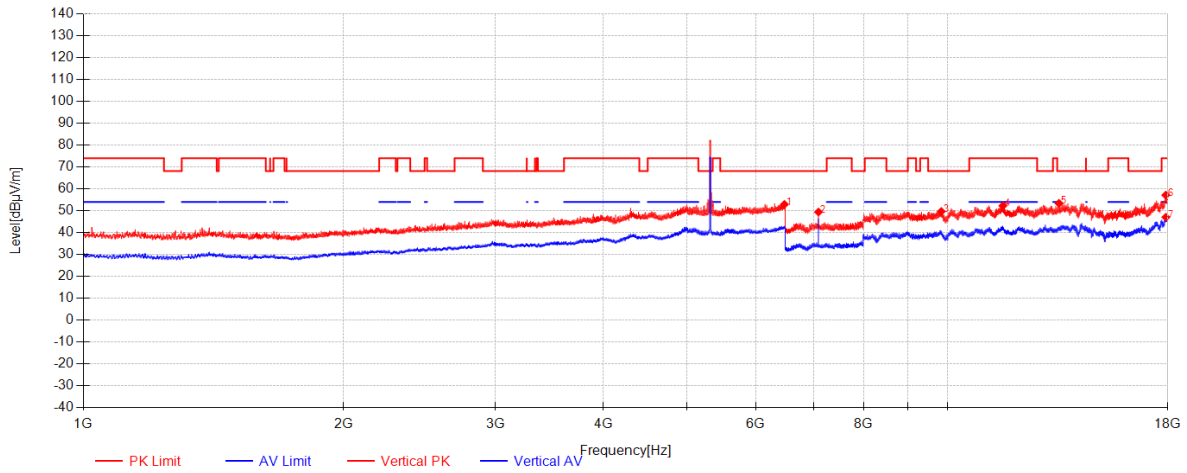
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6472.0769	36.95	35.20	-19.24	52.91	68.20	15.29	Vertical
2	7066.375	56.82	36.00	-43.72	49.10	68.20	19.10	Vertical
3	9868.5417	51.97	38.09	-39.69	50.37	68.20	17.83	Vertical
4	12123.9792	50.21	39.05	-36.66	52.60	74.00	21.40	Vertical
5	13608.9167	49.21	39.91	-36.16	52.96	68.20	15.24	Vertical
6	17913.2708	39.42	42.67	-35.07	47.02	54.00	6.98	Vertical
7	17962.625	49.27	42.91	-35.06	57.12	74.00	16.88	Vertical

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	6472.0769	37.36	35.20	-19.24	53.32	68.20	14.88	Horizontal
2	7093.2083	57.38	36.16	-43.79	49.75	68.20	18.45	Horizontal
3	9851.7708	50.86	38.19	-39.52	49.53	68.20	18.67	Horizontal
4	11590.6667	50.51	38.90	-36.58	52.83	74.00	21.17	Horizontal
5	13185.3333	48.96	39.77	-36.52	52.21	68.20	15.99	Horizontal
6	17897.4583	49.16	42.58	-35.12	56.63	74.00	17.37	Horizontal
7	17981.7917	39.79	43.01	-35.06	47.74	54.00	6.26	Horizontal

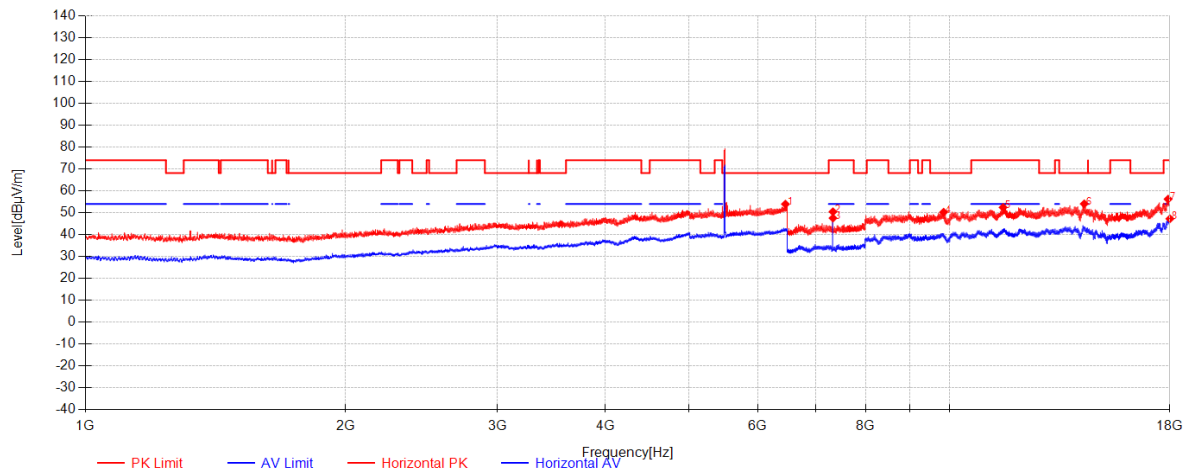
11a_TX_CH_64_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6477.1538	36.95	35.20	-19.24	52.91	68.20	15.29	Vertical
2	7092.7292	57.07	36.16	-43.79	49.44	68.20	18.76	Vertical
3	9838.8333	50.86	38.20	-39.39	49.67	68.20	18.53	Vertical
4	11594.0208	49.94	38.90	-36.56	52.28	74.00	21.72	Vertical
5	13463.7292	51.12	40.03	-37.74	53.41	68.20	14.79	Vertical
6	17896.5	49.72	42.58	-35.13	57.16	74.00	16.84	Vertical
7	17898.4167	39.56	42.59	-35.10	47.05	54.00	6.95	Vertical

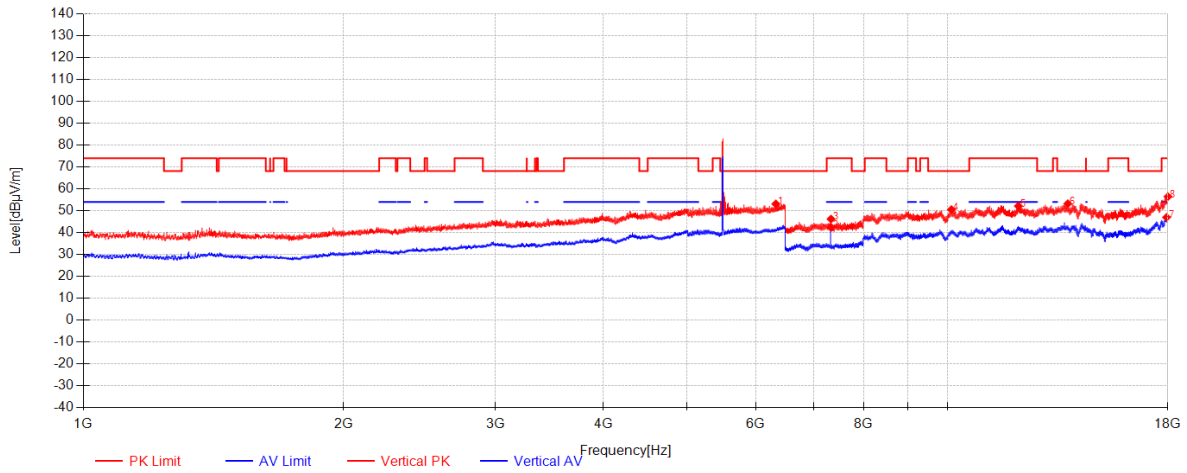


11a_TX_CH_100_Horizontal



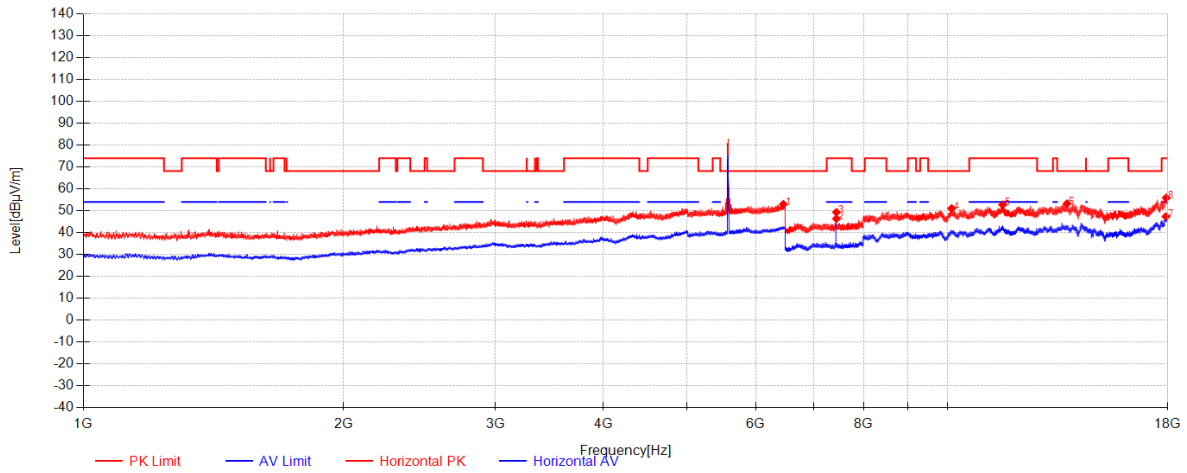
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6460.2308	38.01	35.20	-19.26	53.95	68.20	14.25	Horizontal
2	7332.7917	58.05	36.33	-43.93	50.46	74.00	23.54	Horizontal
3	7333.2708	55.17	36.33	-43.93	47.57	54.00	6.43	Horizontal
4	9848.8958	51.55	38.20	-39.49	50.26	68.20	17.94	Horizontal
5	11538.9167	50.41	38.90	-36.85	52.46	74.00	21.54	Horizontal
6	14323.8333	50.08	39.95	-35.94	54.09	68.20	14.11	Horizontal
7	17908.9583	48.67	42.64	-35.07	56.25	74.00	17.75	Horizontal
8	17999.0417	39.21	43.10	-35.06	47.25	54.00	6.75	Horizontal

11a_TX_CH_100_Vertical



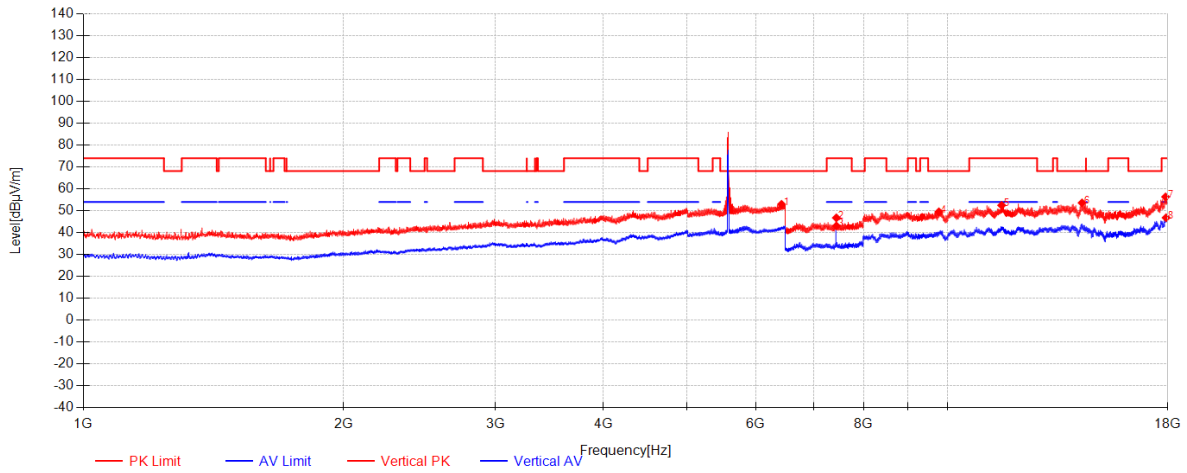
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6331.1923	37.90	34.49	-19.26	53.12	68.20	15.08	Vertical
2	7333.2708	50.05	36.33	-43.93	42.45	54.00	11.55	Vertical
3	7333.2708	53.81	36.33	-43.93	46.21	74.00	27.79	Vertical
4	10106.6875	50.76	38.58	-38.82	50.52	68.20	17.68	Vertical
5	12082.7708	49.99	38.97	-36.79	52.17	74.00	21.83	Vertical
6	13781.4167	50.08	39.92	-36.78	53.22	68.20	14.98	Vertical
7	17931.9583	39.30	42.76	-35.07	46.99	54.00	7.01	Vertical
8	17998.5625	48.43	43.09	-35.06	56.46	74.00	17.54	Vertical

11a_TX_CH_116_Horizontal



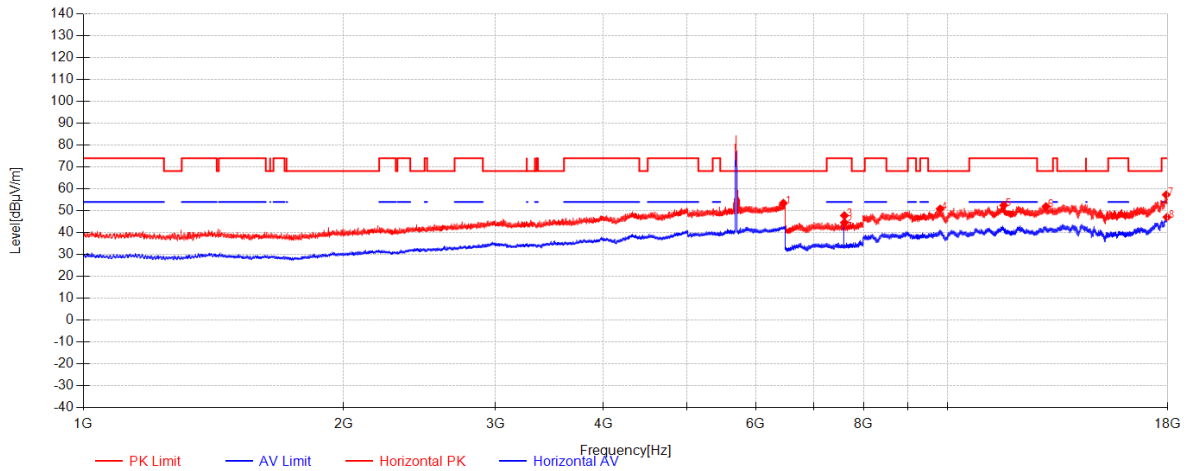
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6458.9615	37.08	35.20	-19.27	53.01	68.20	15.19	Horizontal
2	7439.6458	53.75	36.64	-44.01	46.38	54.00	7.62	Horizontal
3	7439.6458	56.71	36.64	-44.01	49.34	74.00	24.66	Horizontal
4	10112.4375	51.32	38.56	-38.83	51.05	68.20	17.15	Horizontal
5	11587.3125	50.44	38.90	-36.60	52.74	74.00	21.26	Horizontal
6	13753.625	50.09	39.95	-36.77	53.27	68.20	14.93	Horizontal
7	17901.2917	39.81	42.61	-35.07	47.35	54.00	6.65	Horizontal
8	17915.1875	48.30	42.68	-35.07	55.91	74.00	18.09	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	6427.6538	37.14	35.16	-19.32	52.98	68.20	15.22	Vertical
2	7439.6458	54.14	36.64	-44.01	46.77	74.00	27.23	Vertical
3	7439.6458	50.43	36.64	-44.01	43.06	54.00	10.94	Vertical
4	9775.5833	50.75	38.05	-39.28	49.52	68.20	18.68	Vertical
5	11556.6458	50.35	38.90	-36.76	52.49	74.00	21.51	Vertical
6	14316.6458	49.54	39.97	-35.89	53.62	68.20	14.58	Vertical
7	17885	49.21	42.49	-35.34	56.36	74.00	17.64	Vertical
8	17909.9167	39.25	42.65	-35.07	46.83	54.00	7.17	Vertical

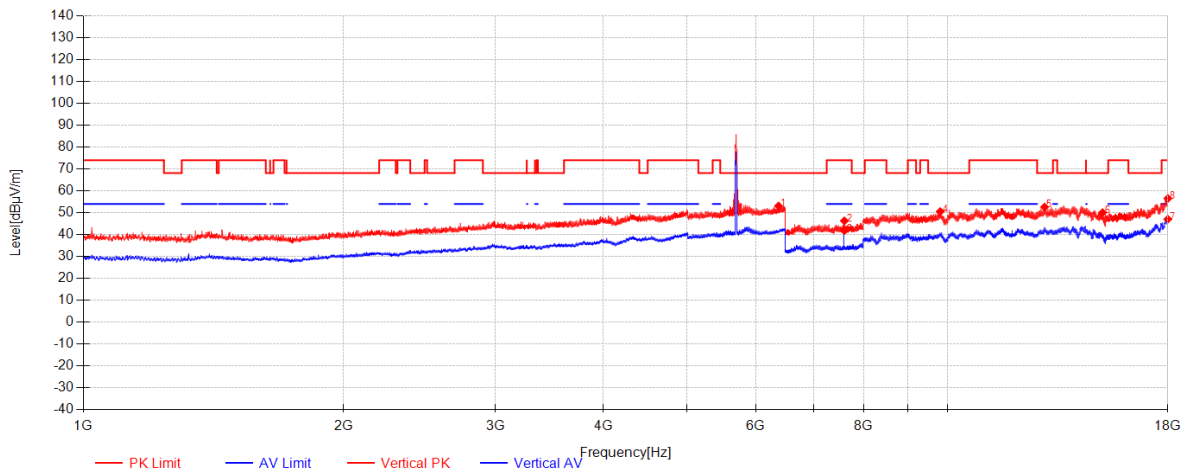
11a_TX_CH_140_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6458.9615	37.56	35.20	-19.27	53.49	68.20	14.71	Horizontal
2	7599.6875	52.03	36.00	-43.43	44.60	54.00	9.40	Horizontal
3	7600.1667	55.22	36.00	-43.43	47.79	74.00	26.21	Horizontal
4	9809.6042	51.77	38.20	-39.11	50.86	68.20	17.34	Horizontal
5	11620.375	50.29	38.86	-36.66	52.49	74.00	21.51	Horizontal
6	13003.7292	49.29	39.79	-37.13	51.95	68.20	16.25	Horizontal
7	17915.6667	49.71	42.68	-35.07	57.32	74.00	16.68	Horizontal
8	17954.4792	39.27	42.87	-35.06	47.08	54.00	6.92	Horizontal

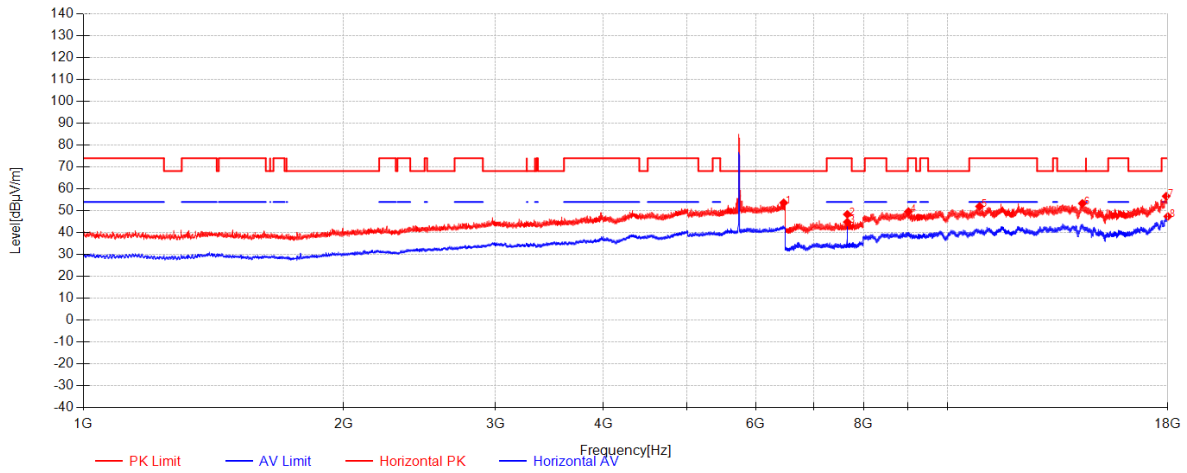


11a_TX_CH_140_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6376.0385	37.58	34.86	-19.33	53.11	68.20	15.09	Vertical
2	7599.6875	53.74	36.00	-43.43	46.31	74.00	27.69	Vertical
3	7599.6875	49.26	36.00	-43.43	41.83	54.00	12.17	Vertical
4	9810.0833	51.47	38.20	-39.11	50.56	68.20	17.64	Vertical
5	12955.3333	50.53	39.71	-37.60	52.64	68.20	15.56	Vertical
6	15119.7292	48.88	39.20	-38.05	50.03	68.20	18.17	Vertical
7	17993.2917	39.06	43.07	-35.06	47.07	54.00	6.93	Vertical
8	17997.6042	48.54	43.09	-35.06	56.57	74.00	17.43	Vertical

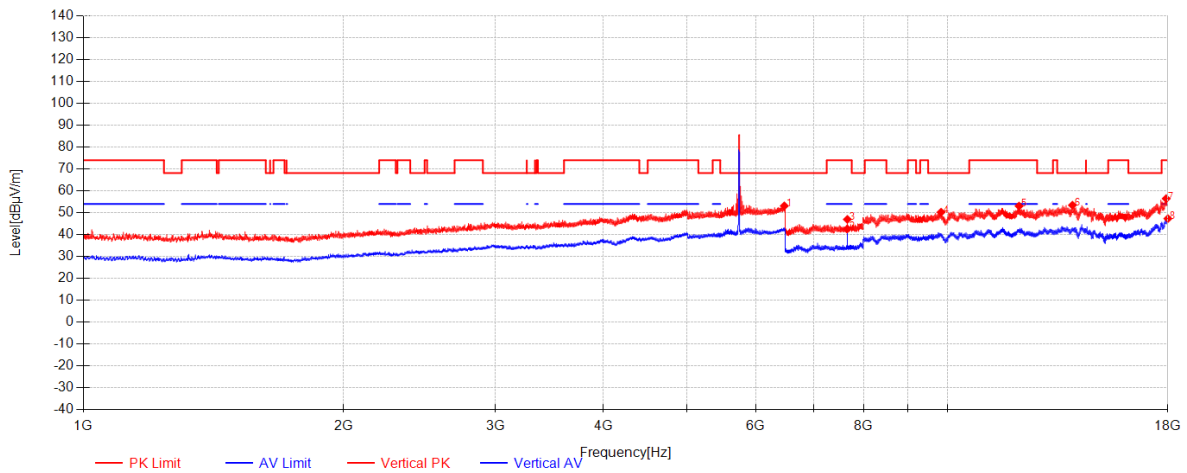
11a_TX_CH_149_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6464.8846	37.69	35.20	-19.26	53.63	68.20	14.57	Horizontal
2	7659.5833	55.13	36.46	-43.23	48.35	74.00	25.65	Horizontal
3	7659.5833	51.62	36.46	-43.23	44.84	54.00	9.16	Horizontal
4	9014.1875	52.19	38.14	-40.71	49.62	74.00	24.38	Horizontal
5	10897.3125	50.85	39.10	-37.95	51.99	74.00	22.01	Horizontal
6	14328.625	49.38	39.94	-35.97	53.35	68.20	14.85	Horizontal
7	17915.1875	49.04	42.68	-35.07	56.65	74.00	17.35	Horizontal
8	17994.7292	39.40	43.07	-35.06	47.41	54.00	6.59	Horizontal

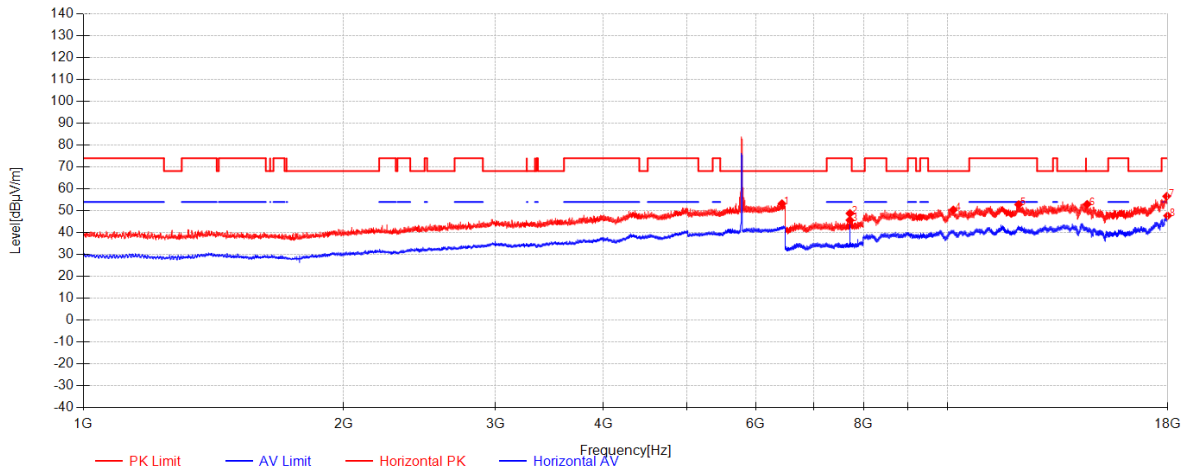


11a_TX_CH_149_Vertical



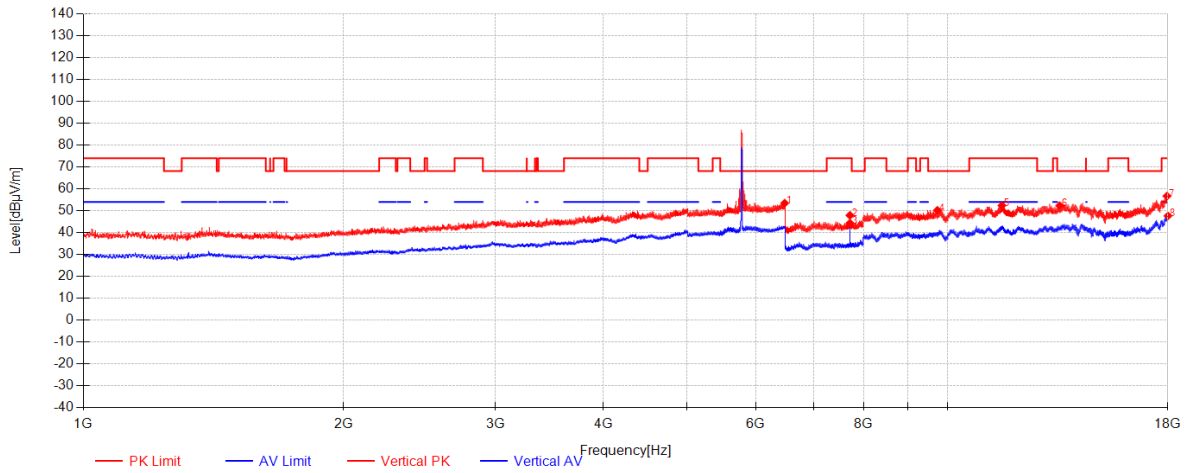
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6475.4615	37.19	35.20	-19.24	53.15	68.20	15.05	Vertical
2	7659.5833	49.42	36.46	-43.23	42.64	54.00	11.36	Vertical
3	7660.0625	53.75	36.46	-43.23	46.98	74.00	27.02	Vertical
4	9833.0833	51.40	38.20	-39.34	50.26	68.20	17.94	Vertical
5	12104.8125	50.67	39.01	-36.60	53.08	74.00	20.92	Vertical
6	13953.9167	49.96	39.92	-36.40	53.47	68.20	14.73	Vertical
7	17914.2292	48.87	42.67	-35.07	56.47	74.00	17.53	Vertical
8	17997.125	39.30	43.09	-35.06	47.33	54.00	6.67	Vertical

11a_TX_CH_157_Horizontal



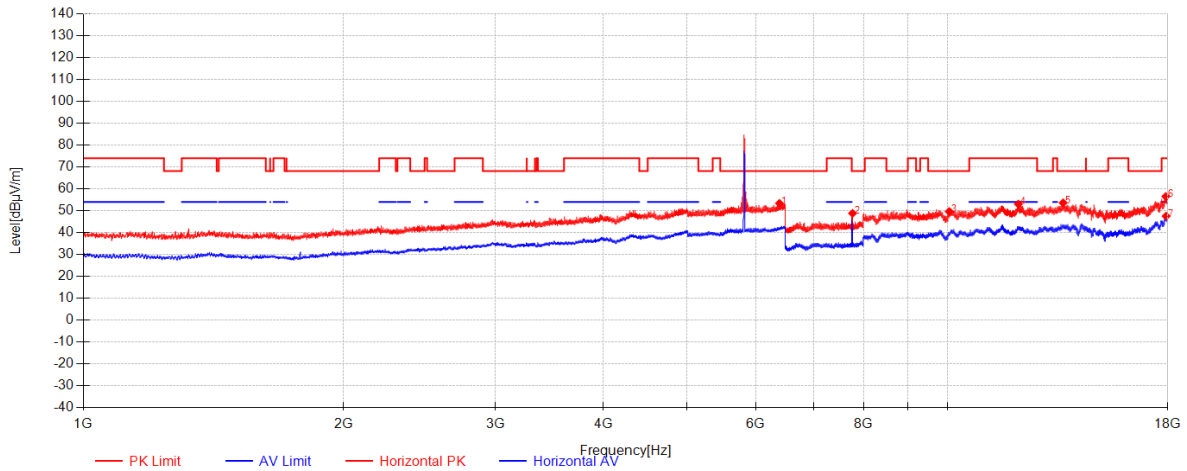
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6434.8462	37.39	35.17	-19.30	53.26	68.20	14.94	Horizontal
2	7713.25	55.20	36.73	-43.12	48.81	74.00	25.19	Horizontal
3	7713.25	52.09	36.73	-43.12	45.70	54.00	8.30	Horizontal
4	10159.3958	50.90	38.42	-38.92	50.40	68.20	17.80	Horizontal
5	12090.4375	50.58	38.98	-36.70	52.86	74.00	21.14	Horizontal
6	14513.5833	49.49	39.96	-36.47	52.98	68.20	15.22	Horizontal
7	17937.2292	48.90	42.79	-35.07	56.62	74.00	17.38	Horizontal
8	17983.7083	39.77	43.02	-35.06	47.73	54.00	6.27	Horizontal

11a_TX_CH_157_Vertical



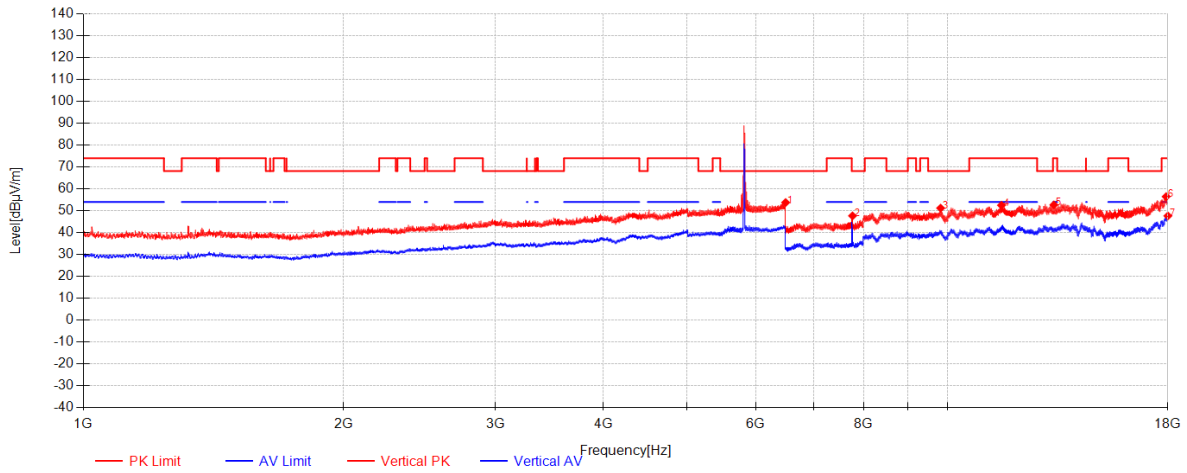
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6482.2308	37.52	35.20	-19.23	53.49	68.20	14.71	Vertical
2	7713.25	54.29	36.73	-43.12	47.90	74.00	26.10	Vertical
3	7713.25	50.71	36.73	-43.12	44.32	54.00	9.68	Vertical
4	9737.25	52.03	37.87	-39.71	50.20	68.20	18.00	Vertical
5	11564.7917	50.20	38.90	-36.71	52.39	74.00	21.61	Vertical
6	13487.2083	50.04	40.07	-37.75	52.36	68.20	15.84	Vertical
7	17953.5208	48.93	42.87	-35.06	56.73	74.00	17.27	Vertical
8	17998.5625	39.64	43.09	-35.06	47.67	54.00	6.33	Vertical

11a_TX_CH_165_Horizontal



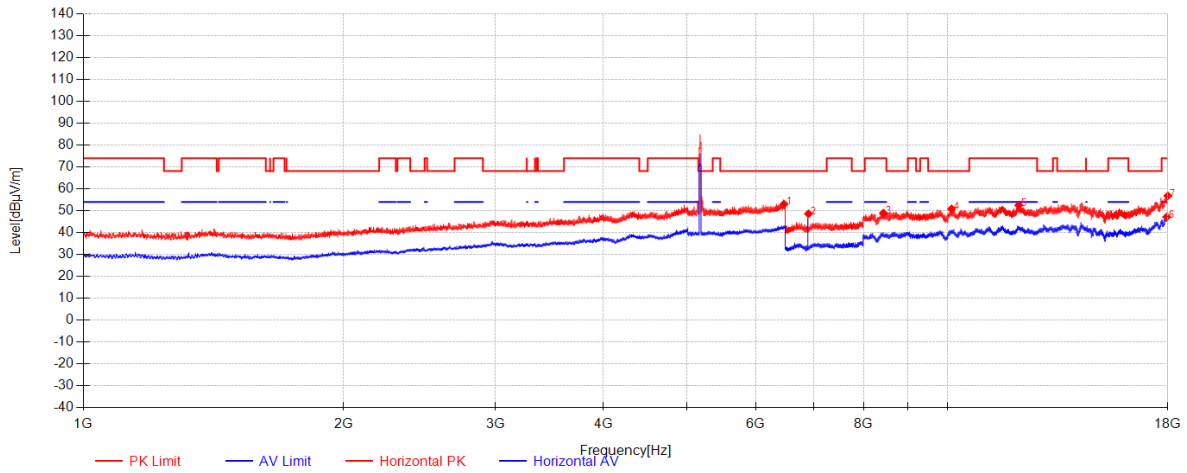
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6392.9615	37.71	35.03	-19.35	53.39	68.20	14.81	Horizontal
2	7766.4375	55.26	36.77	-43.20	48.83	68.20	19.37	Horizontal
3	10046.3125	51.60	38.44	-40.39	49.65	68.20	18.55	Horizontal
4	12081.3333	50.90	38.96	-36.80	53.06	74.00	20.94	Horizontal
5	13610.8333	49.90	39.91	-36.17	53.64	68.20	14.56	Horizontal
6	17895.0625	49.16	42.57	-35.16	56.57	74.00	17.43	Horizontal
7	17911.8333	39.95	42.66	-35.07	47.54	54.00	6.46	Horizontal

11a_TX_CH_165_Veritical



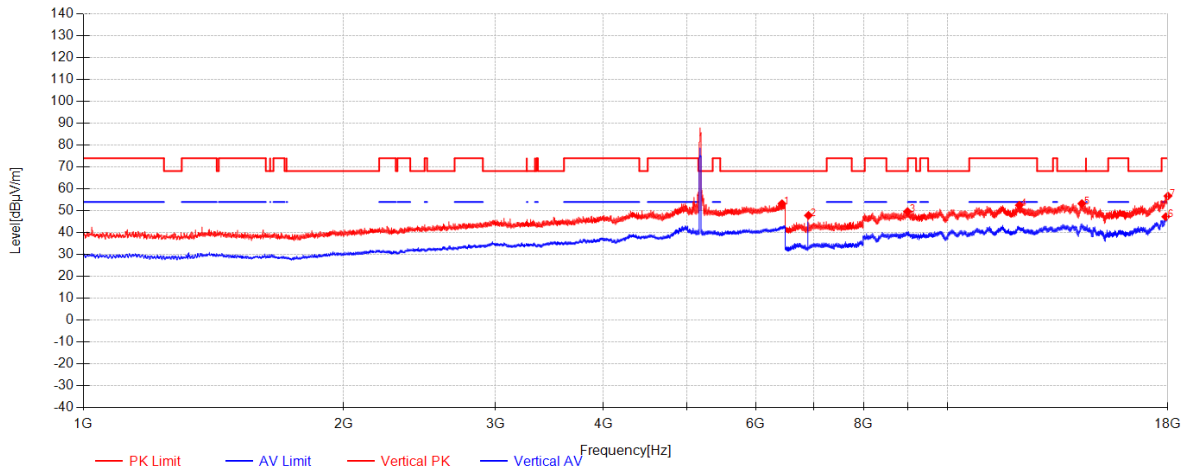
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6497.8846	37.77	35.20	-19.20	53.77	68.20	14.43	Vertical
2	7766.4375	54.10	36.77	-43.20	47.67	68.20	20.53	Vertical
3	9821.5833	52.22	38.20	-39.22	51.20	68.20	17.00	Vertical
4	11550.8958	50.41	38.90	-36.79	52.52	74.00	21.48	Vertical
5	13280.6875	50.94	39.80	-38.04	52.70	74.00	21.30	Vertical
6	17912.3125	48.89	42.66	-35.07	56.48	74.00	17.52	Vertical
7	17994.7292	39.64	43.07	-35.06	47.65	54.00	6.35	Vertical

11ax(HE20)_TX_CH_36_Horizontal



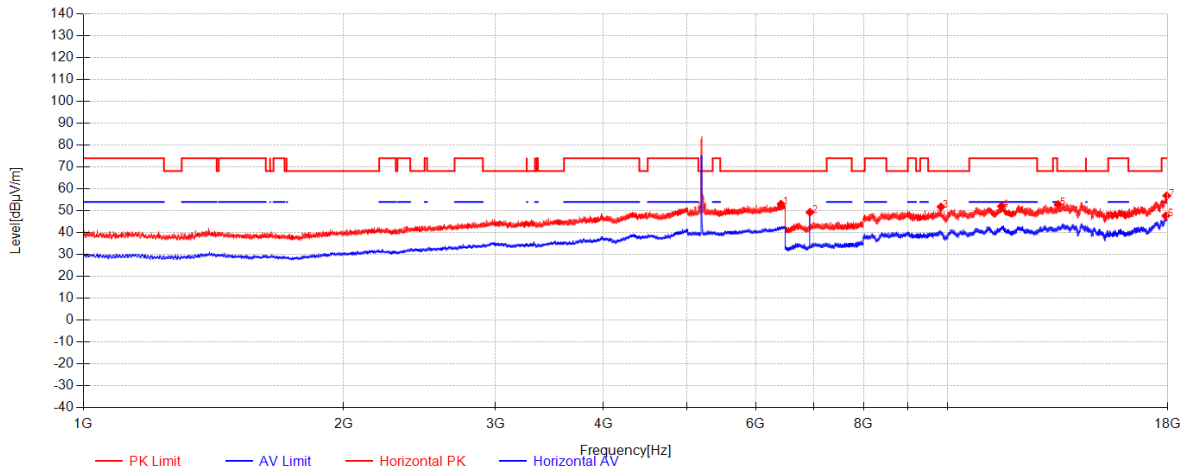
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6469.5385	37.10	35.20	-19.25	53.05	68.20	15.15	Horizontal
2	6906.3333	57.92	36.10	-45.39	48.63	68.20	19.57	Horizontal
3	8431.0417	53.27	37.41	-41.76	48.92	74.00	25.08	Horizontal
4	10111.9583	51.14	38.56	-38.83	50.87	68.20	17.33	Horizontal
5	12094.75	50.20	38.99	-36.65	52.54	74.00	21.46	Horizontal
6	17935.7917	39.47	42.78	-35.07	47.18	54.00	6.82	Horizontal
7	17992.8125	48.86	43.06	-35.06	56.86	74.00	17.14	Horizontal

11ax(HE20)_TX_CH_36_Vertical



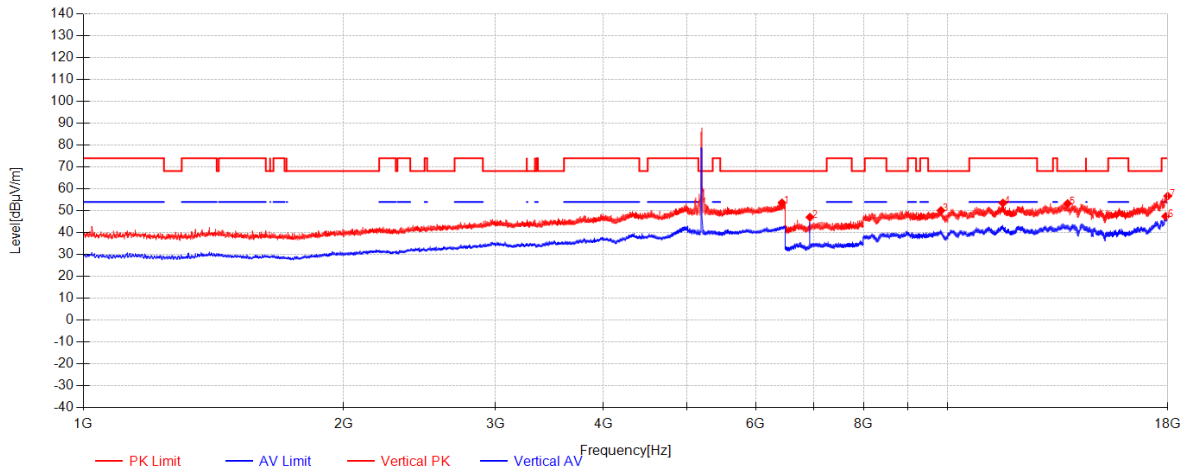
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6435.6923	37.35	35.17	-19.30	53.22	68.20	14.98	Vertical
2	6906.3333	57.16	36.10	-45.39	47.87	68.20	20.33	Vertical
3	8993.5833	52.09	38.19	-40.65	49.63	68.20	18.57	Vertical
4	12113.9167	50.16	39.03	-36.63	52.56	74.00	21.44	Vertical
5	14310.4167	49.16	39.98	-35.84	53.30	68.20	14.90	Vertical
6	17896.5	39.85	42.58	-35.13	47.29	54.00	6.71	Vertical
7	17999.0417	48.73	43.10	-35.06	56.77	74.00	17.23	Vertical

11ax(HE20)_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	6419.6154	37.27	35.14	-19.33	53.08	68.20	15.12	Horizontal
2	6933.1667	58.09	36.10	-44.86	49.33	68.20	18.87	Horizontal
3	9830.2083	52.90	38.20	-39.31	51.79	68.20	16.41	Horizontal
4	11546.5833	49.98	38.90	-36.81	52.07	74.00	21.93	Horizontal
5	13430.1875	50.65	39.96	-37.73	52.89	68.20	15.31	Horizontal
6	17896.9792	40.22	42.58	-35.12	47.67	54.00	6.33	Horizontal
7	17940.1042	49.13	42.80	-35.07	56.86	74.00	17.14	Horizontal

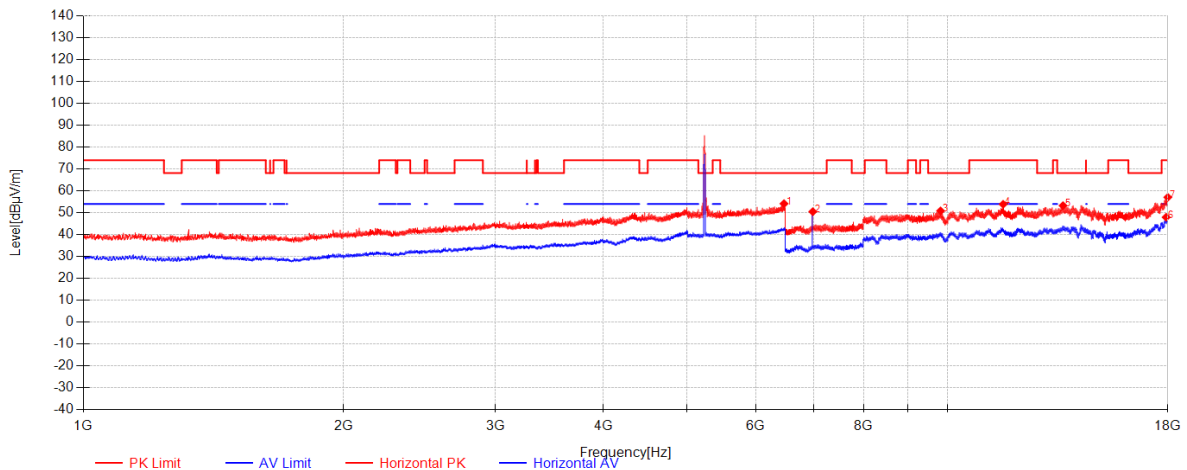
11ax(HE20)_TX_CH_40_Veritical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6434.8462	37.77	35.17	-19.30	53.64	68.20	14.56	Vertical
2	6933.1667	55.83	36.10	-44.86	47.07	68.20	21.13	Vertical
3	9830.2083	51.23	38.20	-39.31	50.12	68.20	18.08	Vertical
4	11593.0625	51.22	38.90	-36.57	53.55	74.00	20.45	Vertical
5	13774.2292	50.16	39.93	-36.77	53.31	68.20	14.89	Vertical
6	17890.2708	40.16	42.53	-35.25	47.45	54.00	6.55	Vertical
7	17989.4583	48.74	43.05	-35.06	56.73	74.00	17.27	Vertical

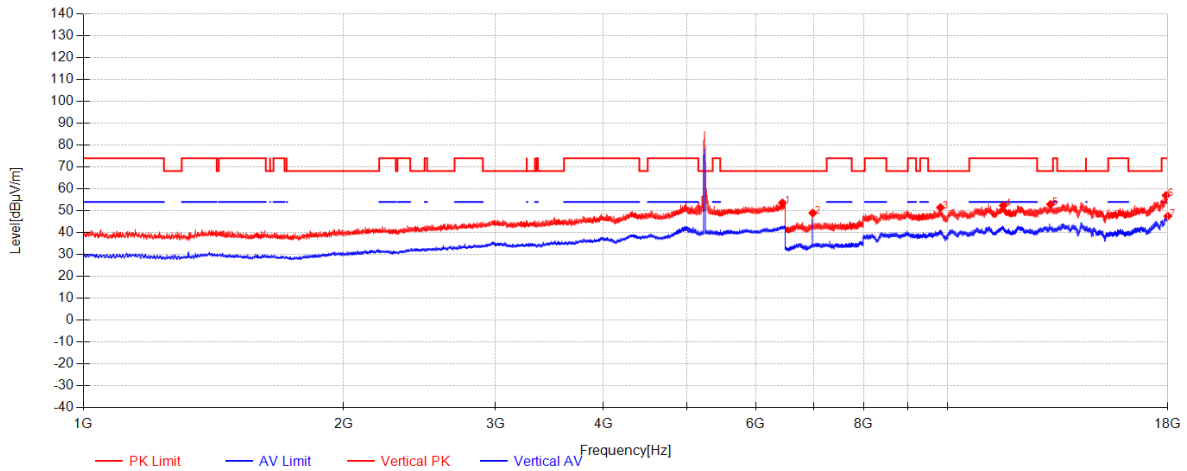


11ax(HE20)_TX_CH_48_Horizontal



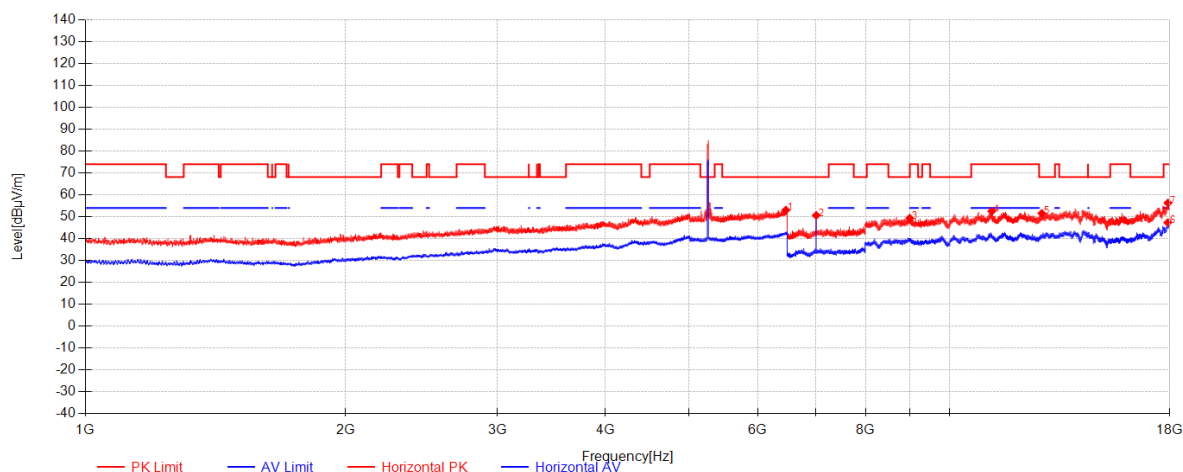
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6469.9615	38.21	35.20	-19.25	54.16	68.20	14.04	Horizontal
2	6986.3542	58.28	36.03	-43.81	50.50	68.20	17.70	Horizontal
3	9820.1458	51.86	38.20	-39.21	50.85	68.20	17.35	Horizontal
4	11601.2083	51.53	38.90	-36.54	53.89	74.00	20.11	Horizontal
5	13608.4375	49.52	39.91	-36.16	53.27	68.20	14.93	Horizontal
6	17912.3125	40.37	42.66	-35.07	47.96	54.00	6.04	Horizontal
7	17993.2917	49.07	43.07	-35.06	57.08	74.00	16.92	Horizontal

11ax(HE20)_TX_CH_48_Veritical



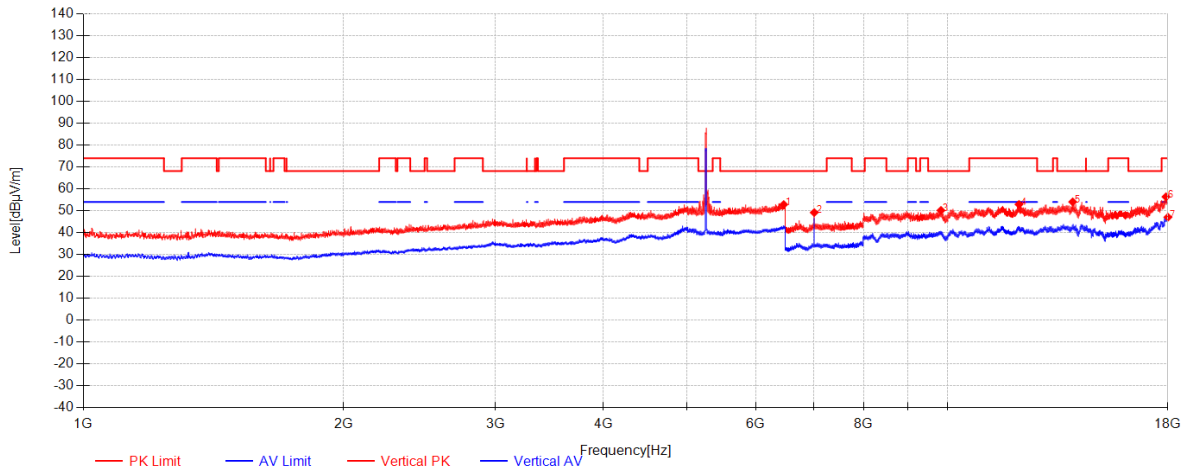
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6442.4615	37.74	35.18	-19.29	53.63	68.20	14.57	Vertical
2	6986.3542	56.74	36.03	-43.81	48.96	68.20	19.24	Vertical
3	9816.7917	52.44	38.20	-39.18	51.46	68.20	16.74	Vertical
4	11606.4792	50.07	38.89	-36.57	52.39	74.00	21.61	Vertical
5	13160.4167	50.00	39.72	-36.76	52.96	68.20	15.24	Vertical
6	17909.9167	49.44	42.65	-35.07	57.02	74.00	16.98	Vertical
7	17991.375	39.56	43.06	-35.06	47.56	54.00	6.44	Vertical

11ax(HE20)_TX_CH_52_Horizontal



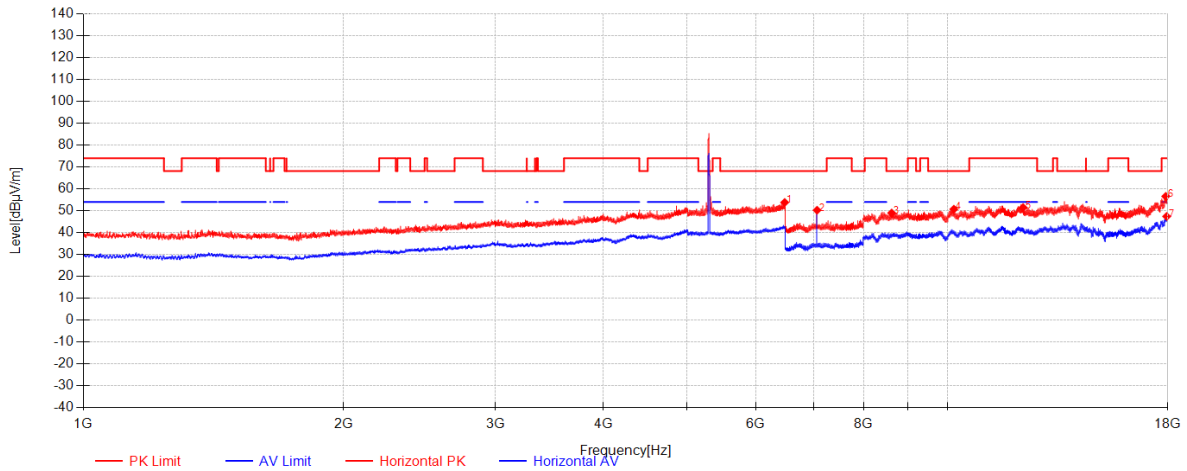
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6467.8462	37.12	35.20	-19.25	53.07	68.20	15.13	Horizontal
2	7013.1875	58.23	35.97	-43.58	50.63	68.20	17.57	Horizontal
3	8997.4167	51.80	38.19	-40.61	49.38	68.20	18.82	Horizontal
4	11193.9167	50.35	38.82	-36.66	52.52	74.00	21.48	Horizontal
5	12791.4583	49.95	39.41	-37.81	51.55	68.20	16.65	Horizontal
6	17895.0625	39.91	42.57	-35.16	47.32	54.00	6.68	Horizontal
7	17902.25	48.78	42.61	-35.07	56.32	74.00	17.68	Horizontal

11ax(HE20)_TX_CH_52_Vertical



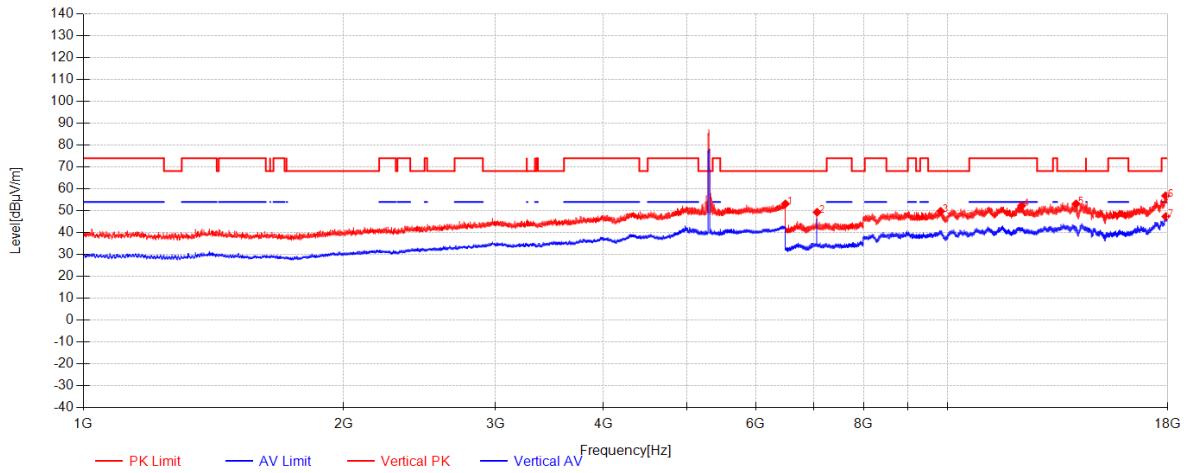
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6465.3077	36.91	35.20	-19.26	52.85	68.20	15.35	Vertical
2	7013.1875	56.78	35.97	-43.58	49.18	68.20	19.02	Vertical
3	9831.6458	51.28	38.20	-39.32	50.16	68.20	18.04	Vertical
4	12101.9375	50.52	39.00	-36.60	52.93	74.00	21.07	Vertical
5	13964.4583	50.39	39.96	-36.29	54.05	68.20	14.15	Vertical
6	17903.2083	48.85	42.62	-35.07	56.40	74.00	17.60	Vertical
7	17996.6458	39.04	43.08	-35.06	47.06	54.00	6.94	Vertical

11ax(HE20)_TX_CH_60_Horizontal



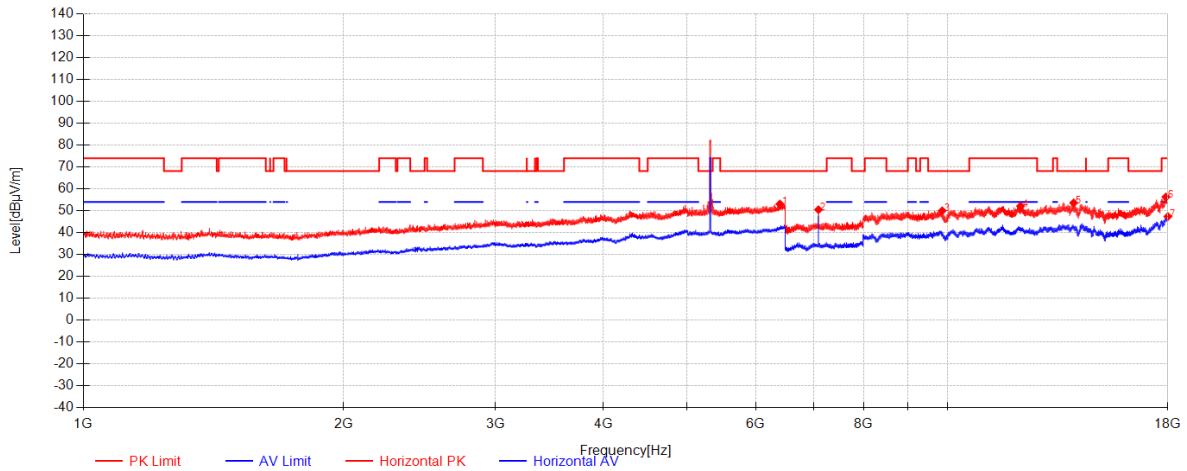
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6481.8077	37.84	35.20	-19.23	53.81	68.20	14.39	Horizontal
2	7066.375	57.98	36.00	-43.72	50.26	68.20	17.94	Horizontal
3	8620.7917	53.06	37.54	-41.62	48.98	68.20	19.22	Horizontal
4	10173.2917	51.29	38.38	-38.95	50.72	68.20	17.48	Horizontal
5	12234.6667	49.50	39.06	-37.09	51.47	74.00	22.53	Horizontal
6	17894.1042	49.22	42.56	-35.18	56.60	74.00	17.40	Horizontal
7	17936.75	39.68	42.78	-35.07	47.40	54.00	6.60	Horizontal

11ax(HE20)_TX_CH_60_Vertical



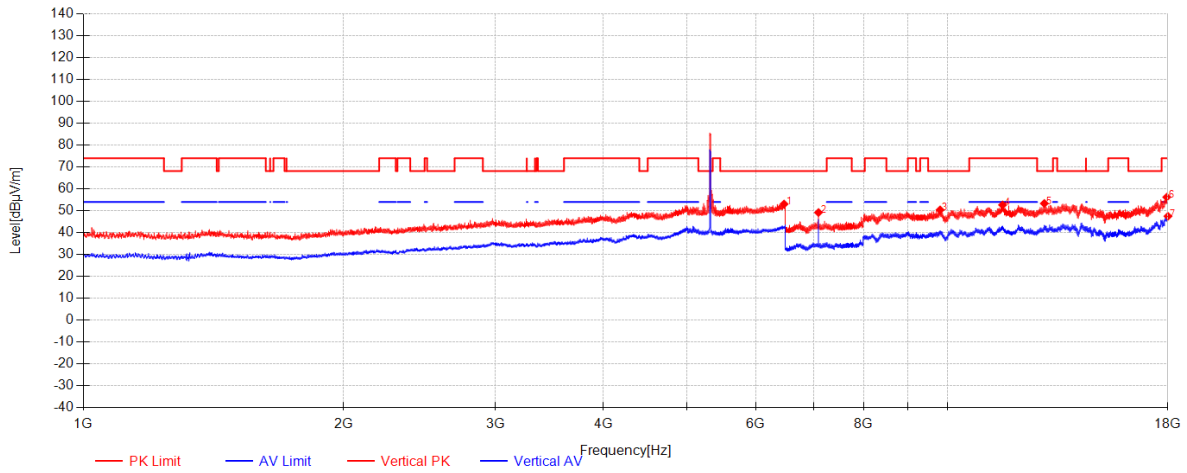
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6494.0769	37.16	35.20	-19.21	53.15	68.20	15.05	Vertical
2	7066.375	57.07	36.00	-43.72	49.35	68.20	18.85	Vertical
3	9823.0208	50.82	38.20	-39.24	49.78	68.20	18.42	Vertical
4	12187.7083	49.97	39.18	-36.84	52.30	74.00	21.70	Vertical
5	14087.6042	49.63	39.84	-36.31	53.16	68.20	15.04	Vertical
6	17887.3958	49.63	42.51	-35.30	56.84	74.00	17.16	Vertical
7	17895.5417	39.96	42.57	-35.15	47.38	54.00	6.62	Vertical

11ax(HE20)_TX_CH_64_Horizontal



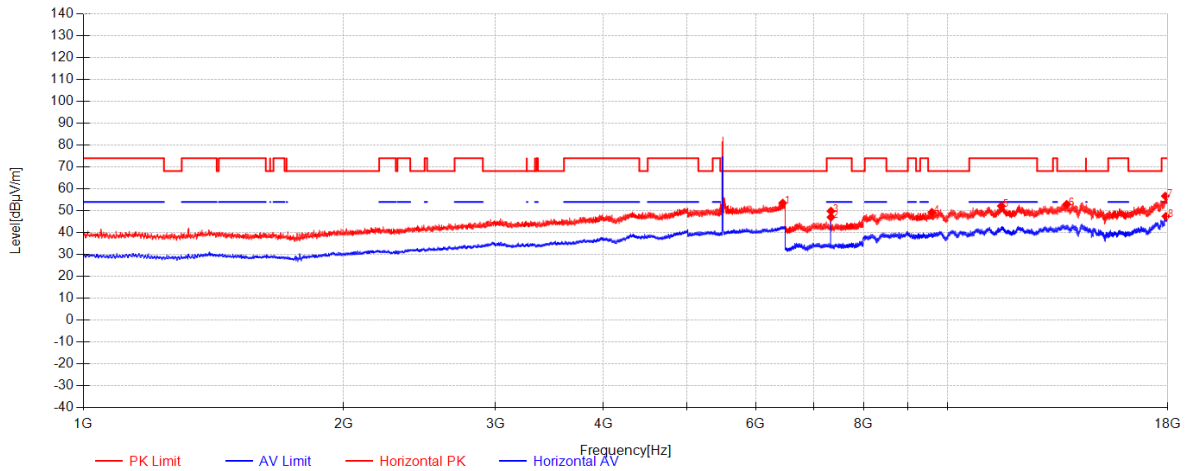
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6399.7308	37.36	35.10	-19.36	53.10	68.20	15.10	Horizontal
2	7092.7292	58.12	36.16	-43.79	50.49	68.20	17.71	Horizontal
3	9862.3125	51.50	38.13	-39.63	50.00	68.20	18.20	Horizontal
4	12151.2917	49.78	39.10	-36.74	52.14	74.00	21.86	Horizontal
5	14000.3958	49.45	40.10	-35.92	53.63	68.20	14.57	Horizontal
6	17902.25	48.77	42.61	-35.07	56.31	74.00	17.69	Horizontal
7	17995.2083	39.36	43.08	-35.06	47.38	54.00	6.62	Horizontal

11ax(HE20)_TX_CH_64_Vertical



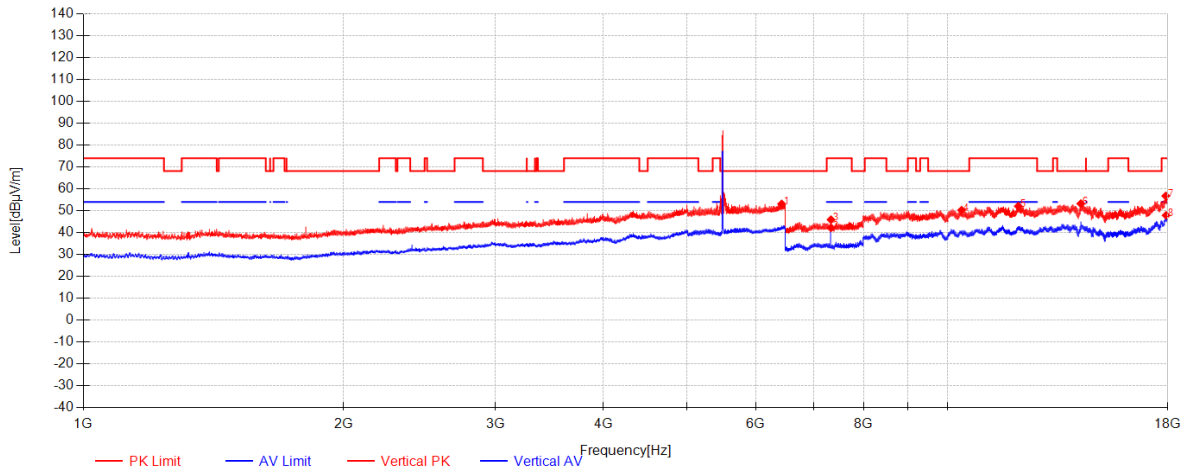
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6471.6538	37.14	35.20	-19.25	53.09	68.20	15.11	Vertical
2	7093.2083	56.85	36.16	-43.79	49.22	68.20	18.98	Vertical
3	9807.6875	51.29	38.20	-39.09	50.40	68.20	17.80	Vertical
4	11583.9583	50.37	38.90	-36.61	52.66	74.00	21.34	Vertical
5	12946.7083	51.35	39.69	-37.69	53.35	68.20	14.85	Vertical
6	17941.5417	48.48	42.81	-35.07	56.22	74.00	17.78	Vertical
7	18000	39.46	43.10	-35.06	47.50	54.00	6.50	Vertical

11ax(HE20)_TX_CH_100_Horizontal



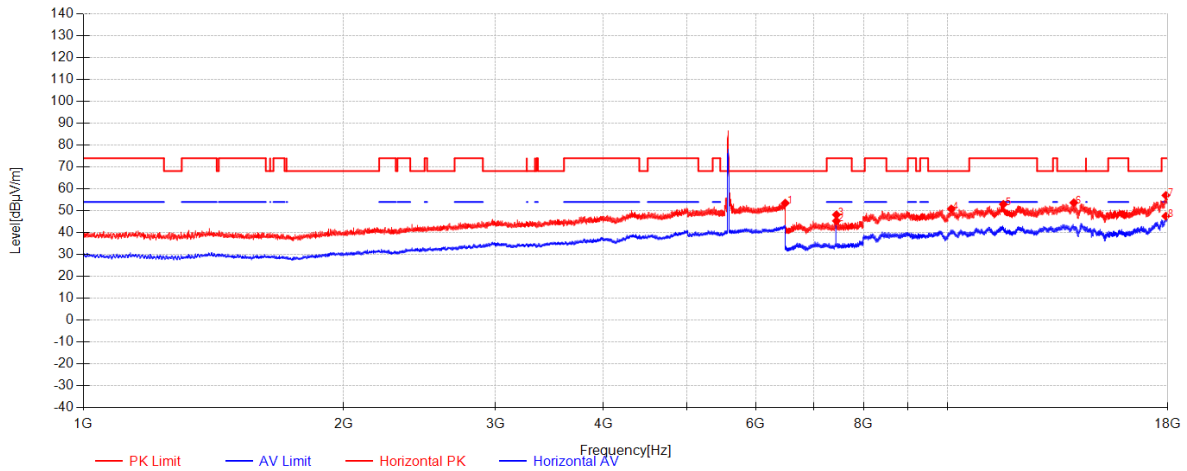
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6448.3846	37.63	35.20	-19.28	53.54	68.20	14.66	Horizontal
2	7333.2708	54.67	36.33	-43.93	47.07	54.00	6.93	Horizontal
3	7333.2708	57.44	36.33	-43.93	49.84	74.00	24.16	Horizontal
4	9594.9375	51.83	38.31	-40.81	49.33	68.20	18.87	Horizontal
5	11546.5833	50.06	38.90	-36.81	52.15	74.00	21.85	Horizontal
6	13743.0833	49.76	39.96	-36.77	52.95	68.20	15.25	Horizontal
7	17871.5833	49.91	42.40	-35.58	56.73	74.00	17.27	Horizontal
8	17902.7292	39.92	42.61	-35.07	47.46	54.00	6.54	Horizontal

11ax(HE20)_TX_CH_100_Vertical



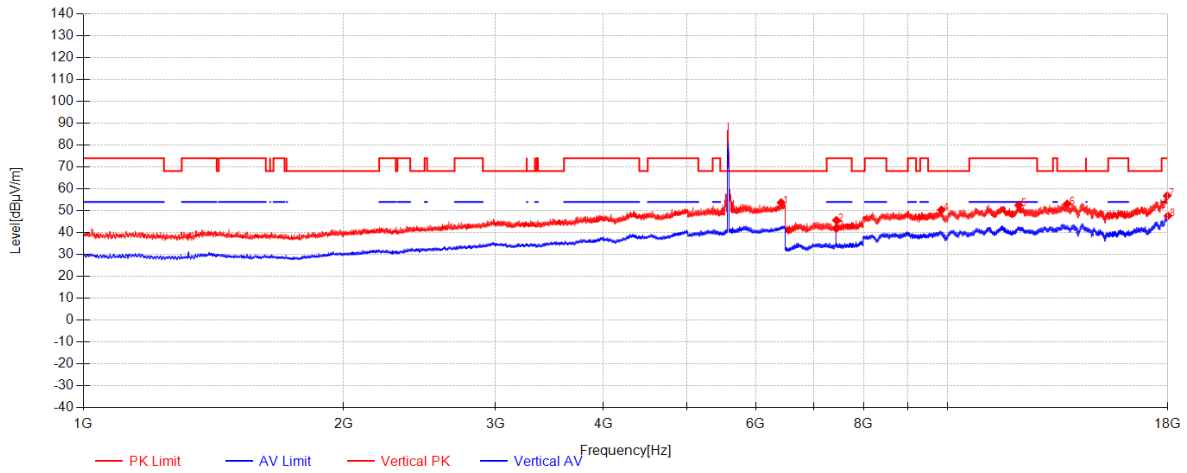
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6430.1923	37.28	35.16	-19.31	53.13	68.20	15.07	Vertical
2	7333.2708	49.80	36.33	-43.93	42.20	54.00	11.80	Vertical
3	7333.2708	53.53	36.33	-43.93	45.93	74.00	28.07	Vertical
4	10385.5625	50.68	38.66	-39.06	50.28	68.20	17.92	Vertical
5	12080.8542	49.93	38.96	-36.81	52.08	74.00	21.92	Vertical
6	14271.6042	49.92	40.06	-36.72	53.26	68.20	14.94	Vertical
7	17893.1458	49.42	42.55	-35.19	56.78	74.00	17.22	Vertical
8	17910.3958	40.33	42.65	-35.07	47.91	54.00	6.09	Vertical

11ax(HE20)_TX_CH_116_Horizontal



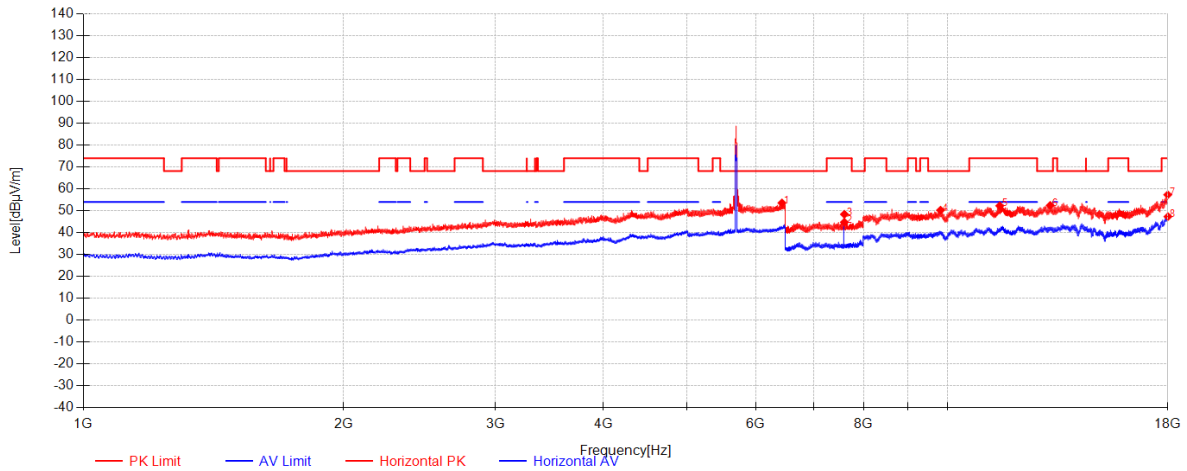
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6491.5385	37.52	35.20	-19.21	53.51	68.20	14.69	Horizontal
2	7439.6458	52.71	36.64	-44.01	45.34	54.00	8.66	Horizontal
3	7440.125	55.55	36.64	-44.00	48.19	74.00	25.81	Horizontal
4	10104.7708	51.09	38.59	-38.82	50.86	68.20	17.34	Horizontal
5	11607.9167	50.68	38.88	-36.58	52.98	74.00	21.02	Horizontal
6	14004.7083	49.52	40.09	-35.94	53.67	68.20	14.53	Horizontal
7	17899.8542	49.51	42.60	-35.07	57.04	74.00	16.96	Horizontal
8	17901.2917	40.00	42.61	-35.07	47.54	54.00	6.46	Horizontal

11ax(HE20)_TX_CH_116_Vertical



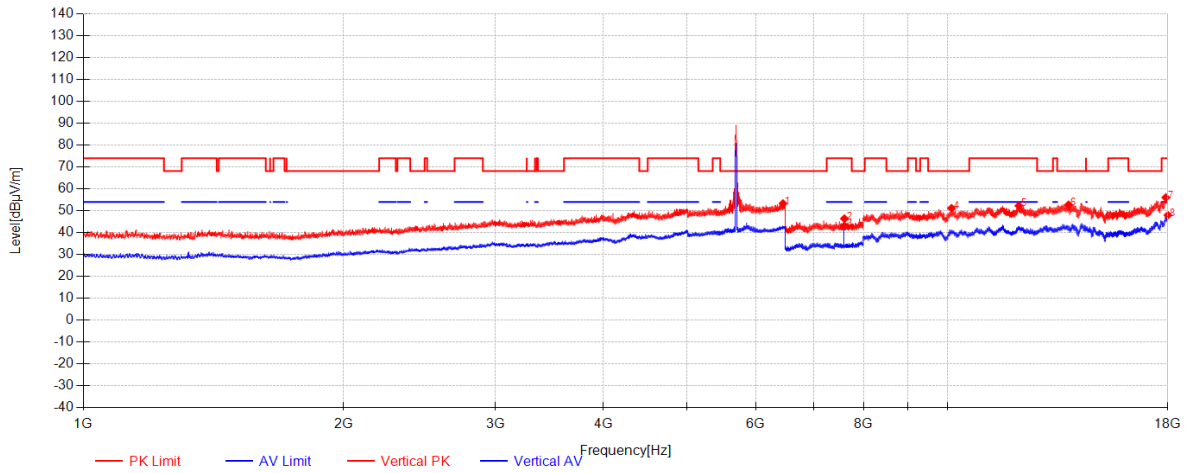
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6421.3077	37.93	35.14	-19.33	53.75	68.20	14.45	Vertical
2	7439.6458	53.02	36.64	-44.01	45.65	74.00	28.35	Vertical
3	7439.6458	49.30	36.64	-44.01	41.93	54.00	12.07	Vertical
4	9843.1458	51.64	38.20	-39.44	50.40	68.20	17.80	Vertical
5	12095.2292	50.16	38.99	-36.64	52.51	74.00	21.49	Vertical
6	13757.4583	49.95	39.94	-36.77	53.12	68.20	15.08	Vertical
7	17959.2708	49.05	42.90	-35.06	56.88	74.00	17.12	Vertical
8	17998.5625	39.64	43.09	-35.06	47.67	54.00	6.33	Vertical

11ax(HE20)_TX_CH_140_Horizontal



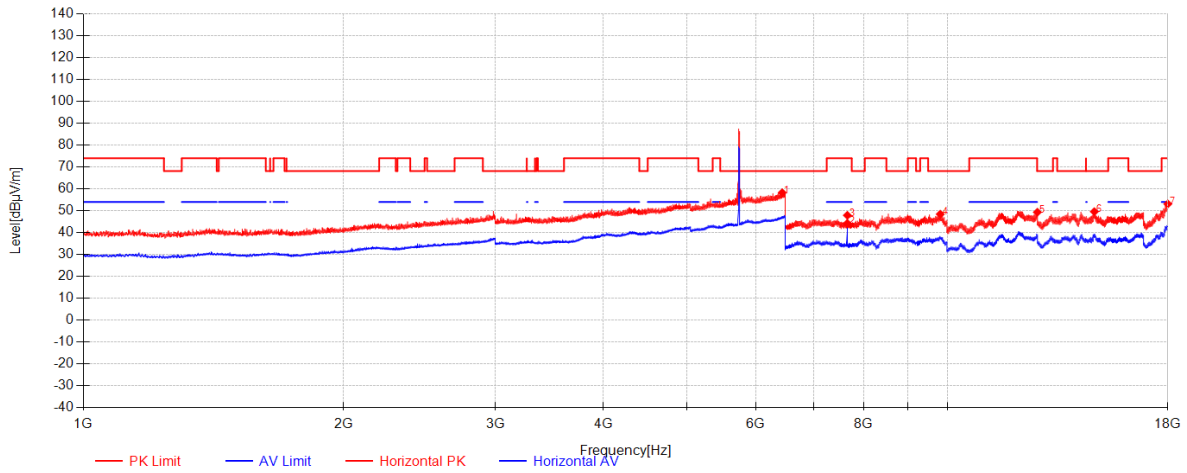
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6435.2692	37.71	35.17	-19.30	53.58	68.20	14.62	Horizontal
2	7599.6875	52.20	36.00	-43.43	44.77	54.00	9.23	Horizontal
3	7599.6875	55.82	36.00	-43.43	48.39	74.00	25.61	Horizontal
4	9818.7083	51.26	38.20	-39.20	50.26	68.20	17.94	Horizontal
5	11497.2292	50.47	38.91	-37.10	52.27	74.00	21.73	Horizontal
6	13153.7083	49.57	39.71	-36.82	52.45	68.20	15.75	Horizontal
7	17992.3333	49.33	43.06	-35.06	57.33	74.00	16.67	Horizontal
8	17999.5208	39.29	43.10	-35.06	47.33	54.00	6.67	Horizontal

11ax(HE20)_TX_CH_140_Vertical



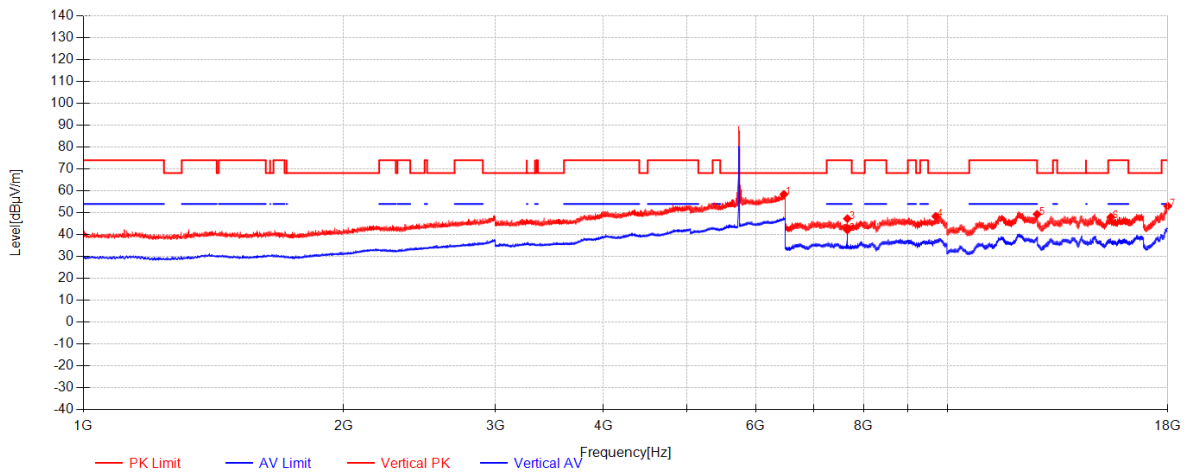
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6453.0385	37.40	35.20	-19.28	53.32	68.20	14.88	Vertical
2	7599.6875	53.82	36.00	-43.43	46.39	74.00	27.61	Vertical
3	7599.6875	50.52	36.00	-43.43	43.09	54.00	10.91	Vertical
4	10110.5208	51.44	38.57	-38.83	51.18	68.20	17.02	Vertical
5	12097.1458	49.91	38.99	-36.62	52.28	74.00	21.72	Vertical
6	13809.6875	49.63	39.88	-36.80	52.71	68.20	15.49	Vertical
7	17894.1042	48.68	42.56	-35.18	56.06	74.00	17.94	Vertical
8	17998.0833	39.96	43.09	-35.06	47.99	54.00	6.01	Vertical

11ax(HE20)_TX_CH_149_Horizontal



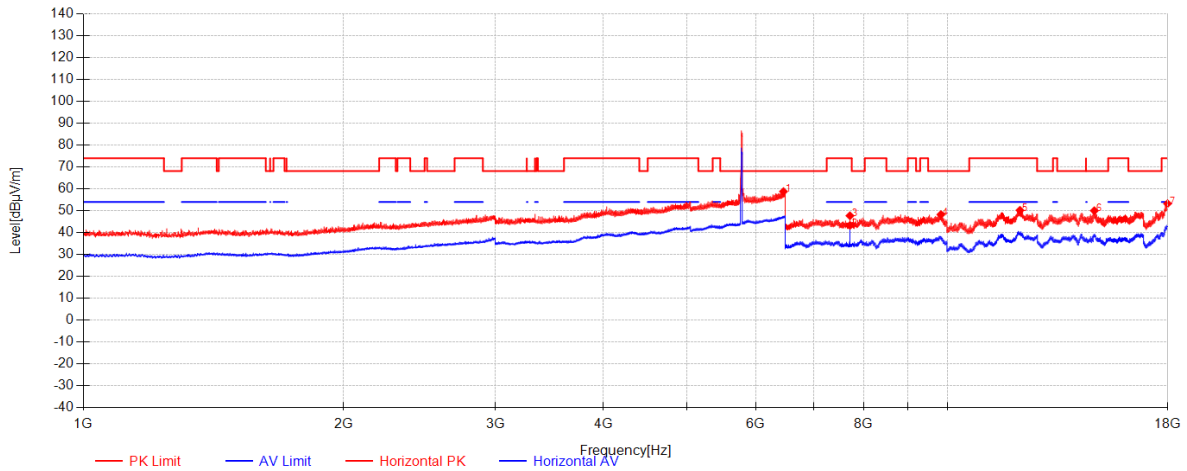
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6439.5	42.38	35.18	-19.30	58.26	68.20	9.94	Horizontal
2	7659.5833	51.02	36.46	-43.23	44.24	54.00	9.76	Horizontal
3	7660.0625	54.68	36.46	-43.23	47.91	74.00	26.09	Horizontal
4	9812	49.37	38.20	-39.13	48.44	68.20	19.76	Horizontal
5	12709.0417	48.49	39.49	-38.64	49.34	68.20	18.86	Horizontal
6	14792.4583	46.59	39.70	-36.70	49.59	68.20	18.61	Horizontal
7	17993.2917	45.11	43.07	-35.06	53.12	74.00	20.88	Horizontal

11ax(HE20)_TX_CH_149_Vertical



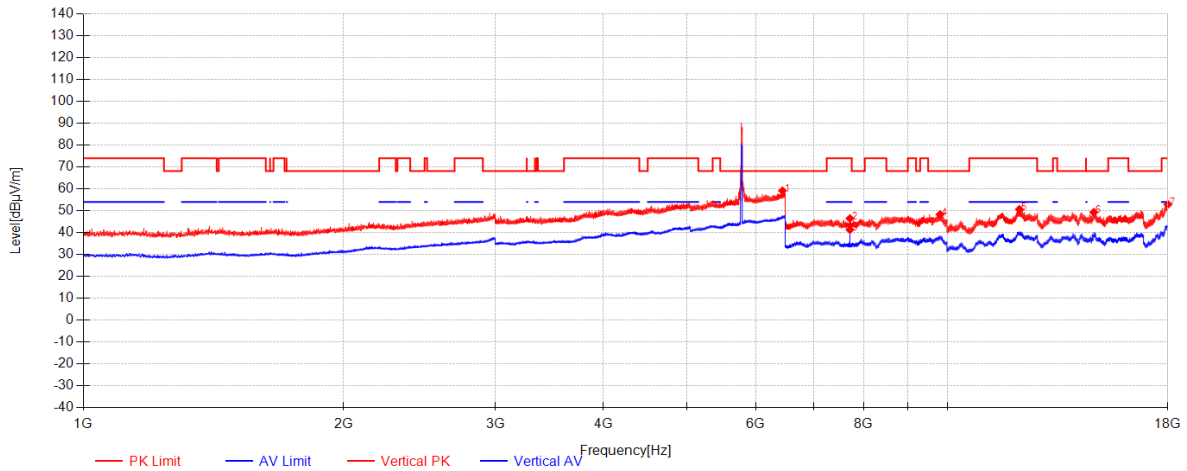
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6468.6923	42.49	35.20	-19.25	58.44	68.20	9.76	Vertical
2	7659.5833	48.92	36.46	-43.23	42.14	54.00	11.86	Vertical
3	7660.0625	54.08	36.46	-43.23	47.31	74.00	26.69	Vertical
4	9695.5625	50.73	37.82	-40.15	48.40	68.20	19.80	Vertical
5	12699.9375	48.56	39.50	-38.73	49.33	74.00	24.67	Vertical
6	15459.9375	47.03	39.12	-38.16	47.99	74.00	26.01	Vertical
7	17992.3333	45.05	43.06	-35.06	53.05	74.00	20.95	Vertical

11ax(HE20)_TX_CH_157_Horizontal



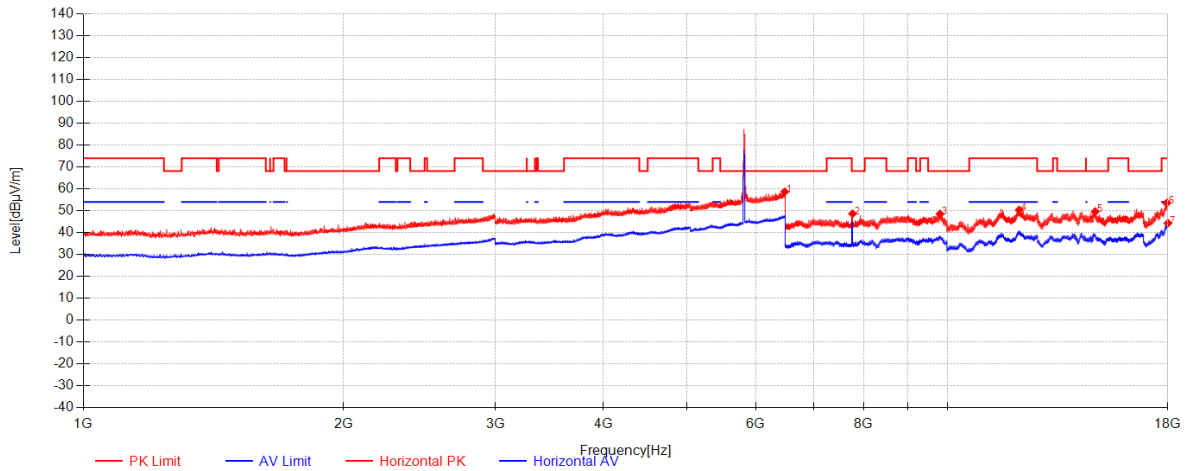
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6461.0769	42.86	35.20	-19.26	58.80	68.20	9.40	Horizontal
2	7713.25	49.71	36.73	-43.12	43.32	54.00	10.68	Horizontal
3	7713.25	54.11	36.73	-43.12	47.72	74.00	26.28	Horizontal
4	9829.25	49.35	38.20	-39.30	48.25	68.20	19.95	Horizontal
5	12133.5625	47.85	39.07	-36.69	50.23	74.00	23.77	Horizontal
6	14792.4583	47.03	39.70	-36.70	50.03	68.20	18.17	Horizontal
7	17980.3542	45.32	43.00	-35.06	53.26	74.00	20.74	Horizontal

11ax(HE20)_TX_CH_157_Vertical



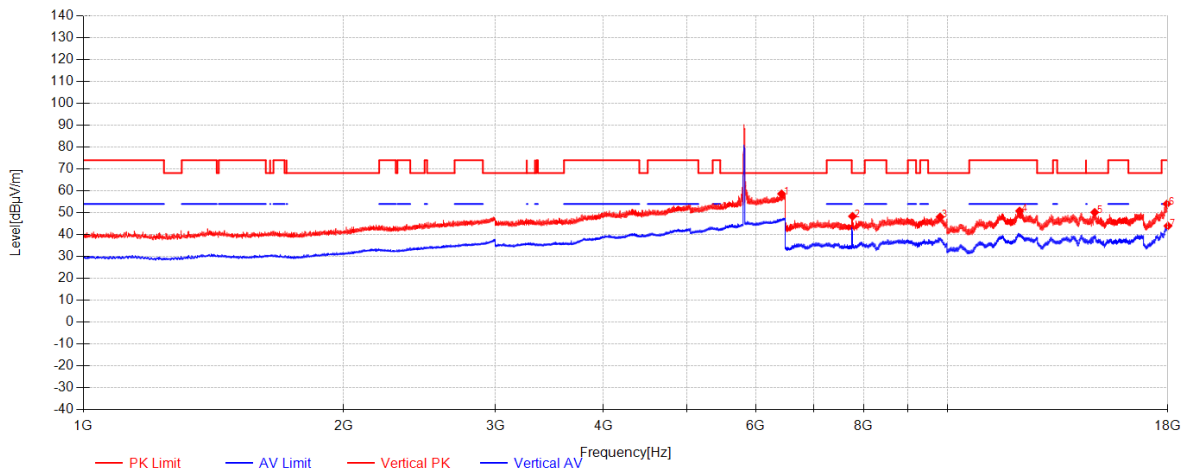
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6443.3077	43.26	35.19	-19.29	59.16	68.20	9.04	Vertical
2	7712.7708	52.86	36.73	-43.12	46.47	74.00	27.53	Vertical
3	7713.25	47.74	36.73	-43.12	41.35	54.00	12.65	Vertical
4	9806.25	49.18	38.20	-39.07	48.31	68.20	19.89	Vertical
5	12114.3958	48.26	39.03	-36.63	50.66	74.00	23.34	Vertical
6	14772.3333	46.22	39.70	-36.61	49.31	68.20	18.89	Vertical
7	17998.5625	44.91	43.09	-35.06	52.94	74.00	21.06	Vertical

11ax(HE20)_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	6483.0769	42.72	35.20	-19.23	58.69	68.20	9.51	Horizontal
2	7766.4375	55.09	36.77	-43.20	48.66	68.20	19.54	Horizontal
3	9807.2083	49.43	38.20	-39.08	48.55	68.20	19.65	Horizontal
4	12108.6458	47.96	39.02	-36.62	50.36	74.00	23.64	Horizontal
5	14826.4792	47.14	39.62	-37.14	49.63	68.20	18.57	Horizontal
6	17941.0625	45.76	42.81	-35.07	53.50	74.00	20.50	Horizontal
7	17999.5208	36.29	43.10	-35.06	44.33	54.00	9.67	Horizontal

11ax(HE20)_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	6428.9231	42.83	35.16	-19.31	58.67	68.20	9.53	Vertical
2	7766.4375	54.81	36.77	-43.20	48.38	68.20	19.82	Vertical
3	9807.6875	48.99	38.20	-39.09	48.10	68.20	20.10	Vertical
4	12122.0625	48.44	39.04	-36.65	50.83	74.00	23.17	Vertical
5	14807.3125	47.36	39.68	-36.84	50.20	68.20	18.00	Vertical
6	17948.7292	46.25	42.84	-35.07	54.03	74.00	19.97	Vertical
7	17999.5208	35.94	43.10	-35.06	43.98	54.00	10.02	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/Cor1-2023 Section 6.10.5 & 12.7.2

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: 24 °C

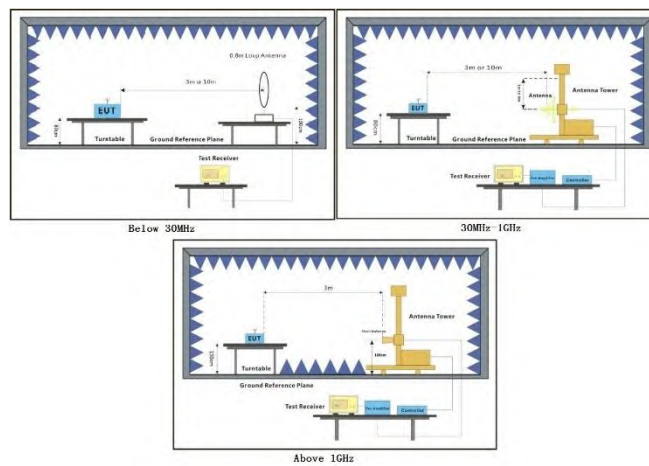
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

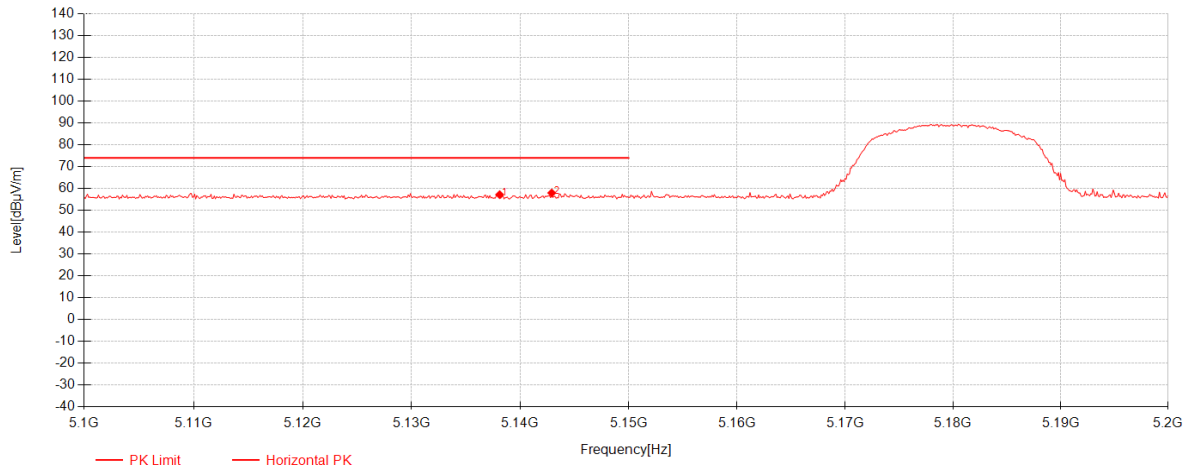
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5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

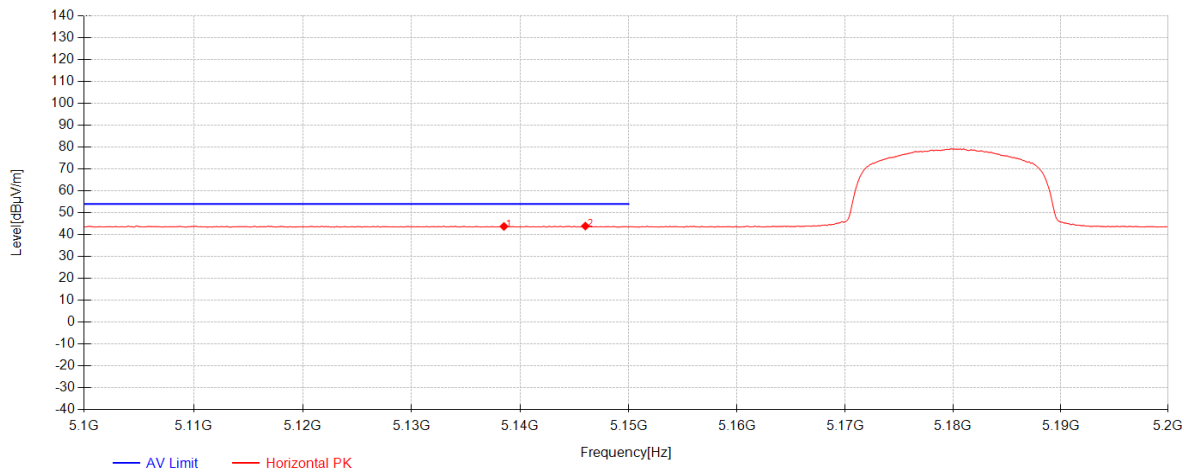
11a_TX_CH_36_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.1	44.06	33.30	-20.15	57.20	74.00	16.80	Horizontal
2	5142.9	44.85	33.26	-20.13	57.97	74.00	16.03	Horizontal

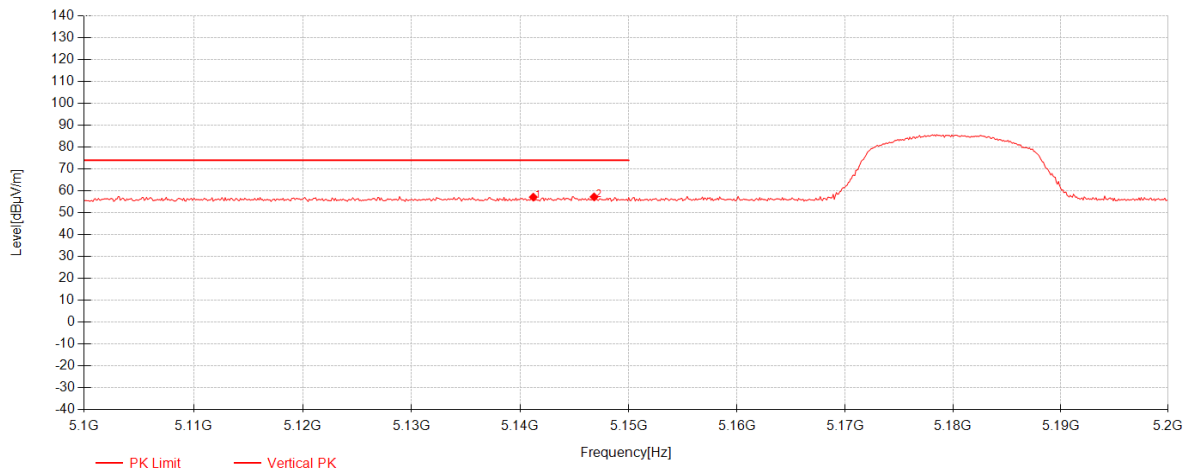


11a_TX_CH_36_Horizontal_Average



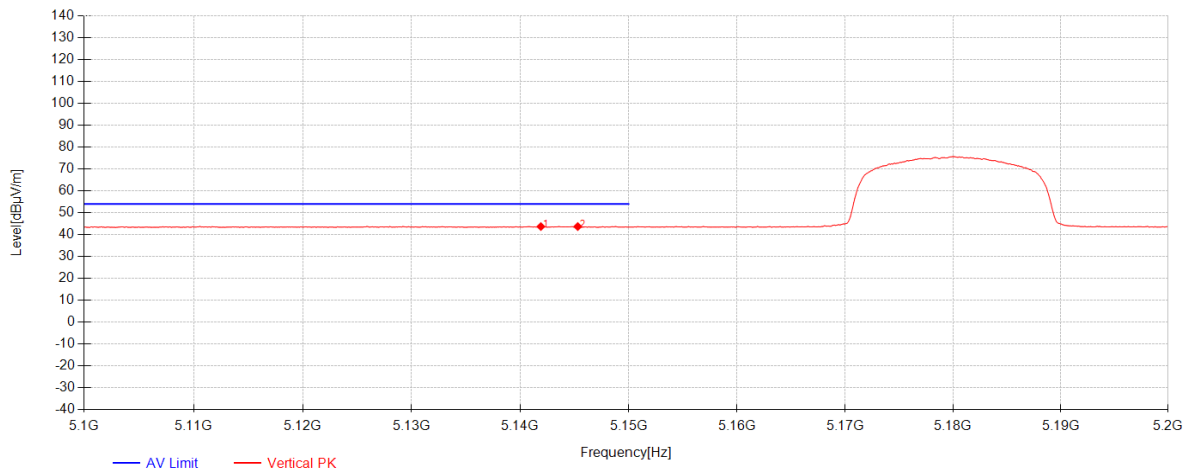
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.5	30.62	33.29	-20.15	43.76	54.00	10.24	Horizontal
2	5146	30.81	33.23	-20.12	43.92	54.00	10.08	Horizontal

11a_TX_CH_36_Vertical_Peak



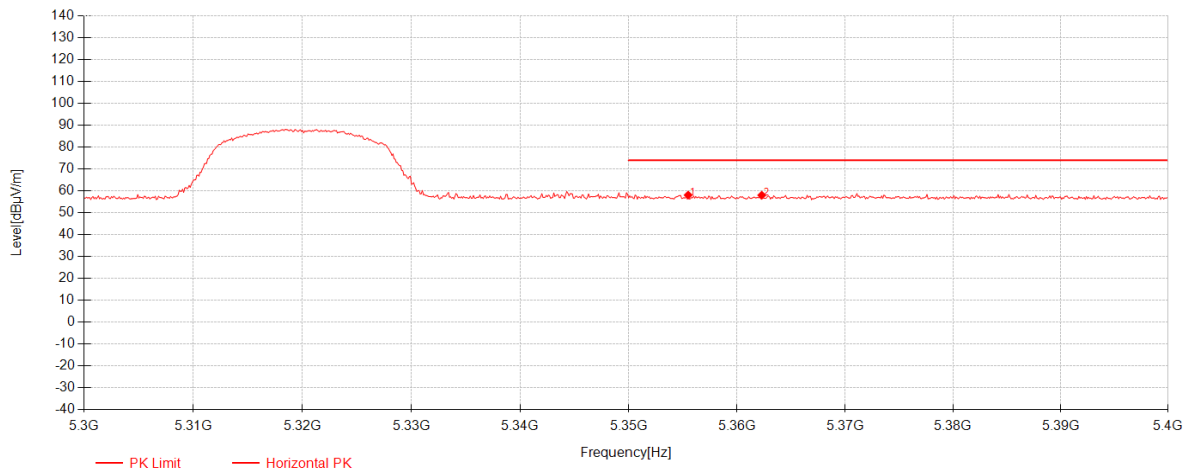
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.2	44.03	33.27	-20.14	57.16	74.00	16.84	Vertical
2	5146.8	44.16	33.23	-20.12	57.26	74.00	16.74	Vertical

11a_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	5141.9	30.57	33.26	-20.14	43.70	54.00	10.30	Vertical
2	5145.3	30.58	33.24	-20.13	43.69	54.00	10.31	Vertical

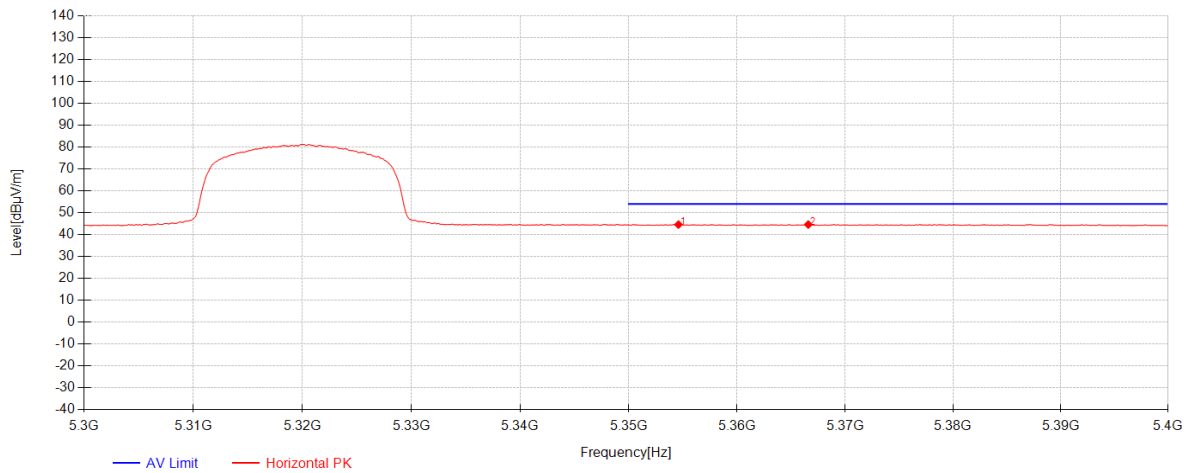
11a_TX_CH_64_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5355.5	44.64	33.27	-19.81	58.10	74.00	15.90	Horizontal
2	5362.3	44.60	33.23	-19.80	58.03	74.00	15.97	Horizontal

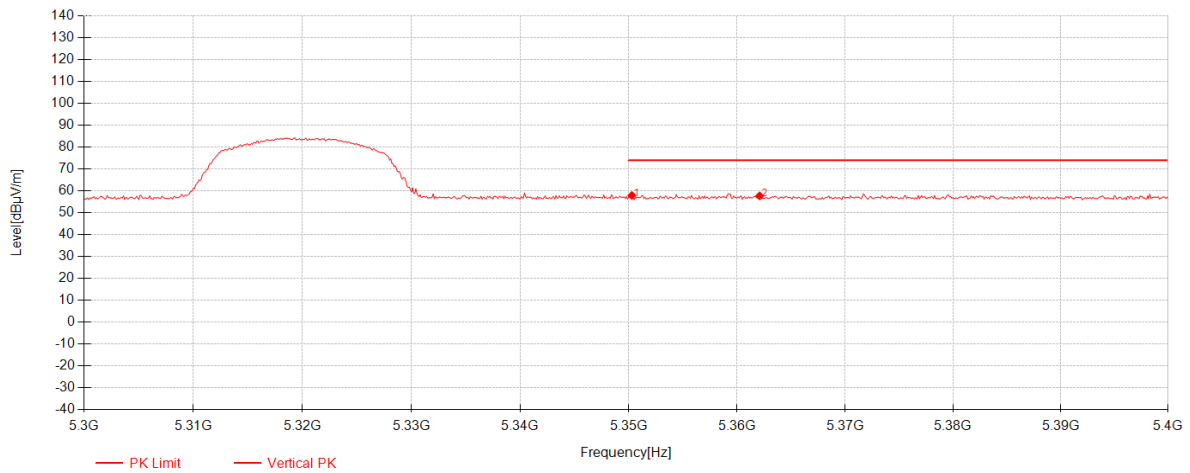


11a_TX_CH_64_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5354.6	31.14	33.27	-19.81	44.60	54.00	9.40	Horizontal
2	5366.6	31.21	33.20	-19.79	44.62	54.00	9.38	Horizontal

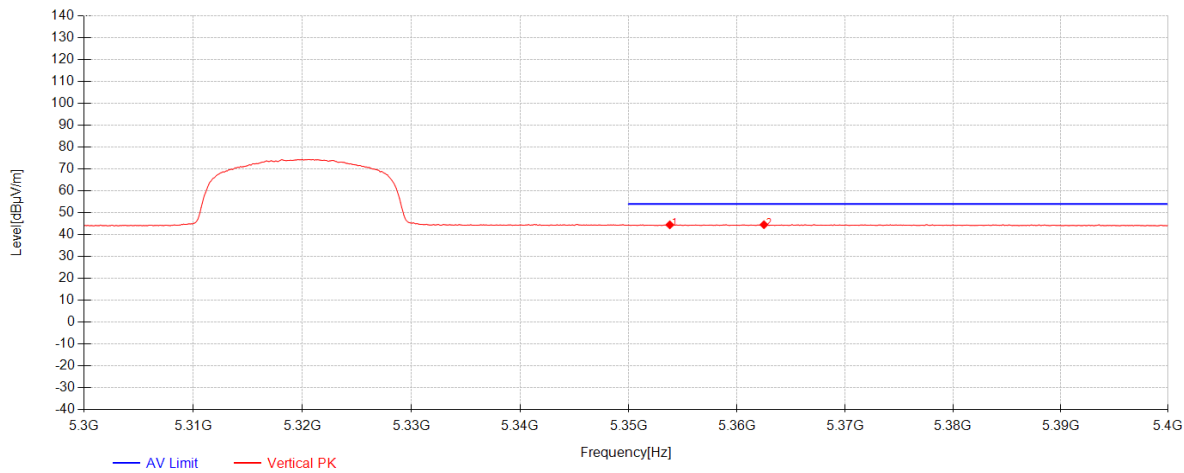
11a_TX_CH_64_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.3	44.45	33.30	-19.82	57.93	74.00	16.07	Vertical
2	5362.1	44.30	33.23	-19.80	57.73	74.00	16.27	Vertical

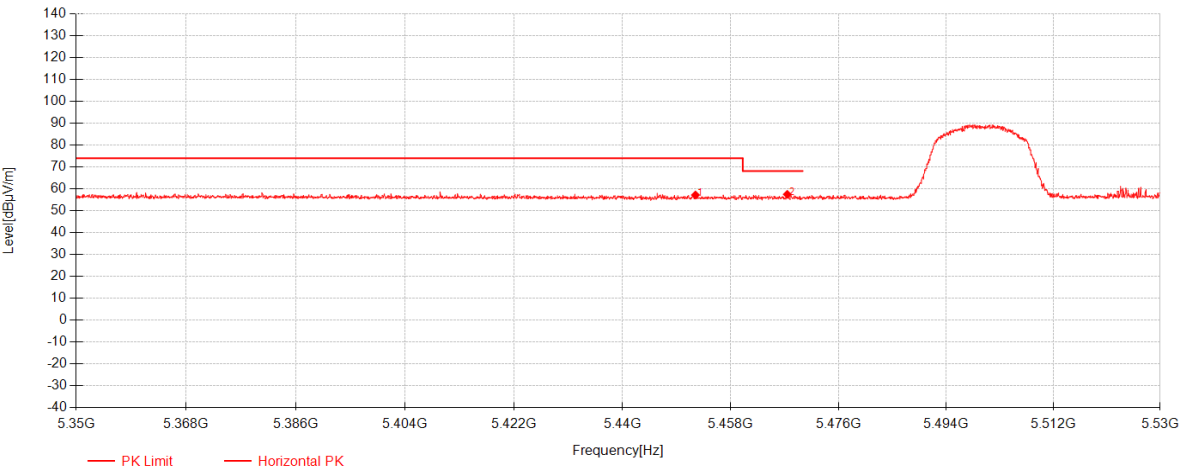


11a_TX_CH_64_Vertical_Average



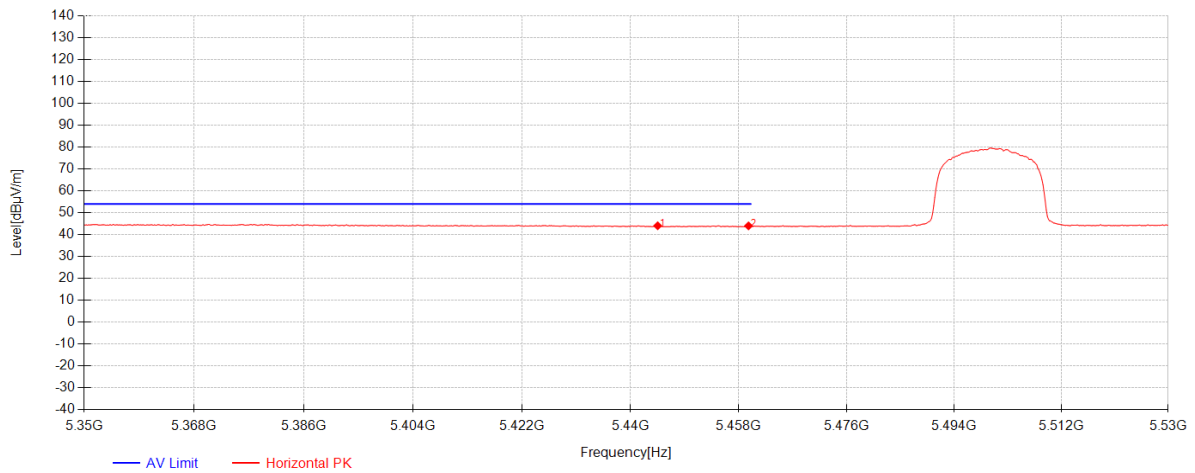
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5353.8	31.02	33.28	-19.81	44.48	54.00	9.52	Vertical
2	5362.5	31.10	33.23	-19.80	44.53	54.00	9.47	Vertical

11a_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	5452.12	44.14	32.80	-19.72	57.22	74.00	16.78	Horizontal
2	5467.42	44.41	32.83	-19.72	57.52	68.20	10.68	Horizontal

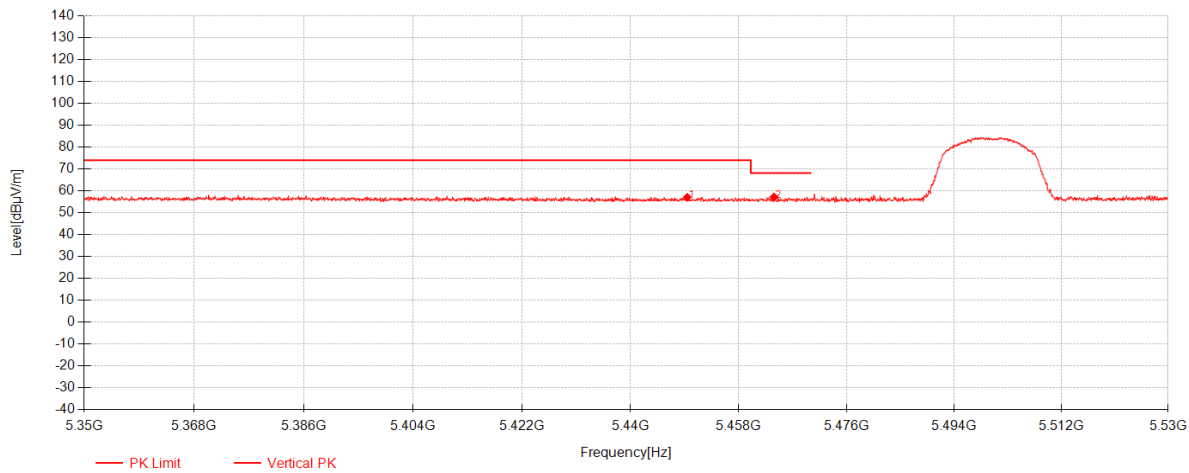
11a_TX_CH_100_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5444.5	30.95	32.82	-19.72	44.05	54.00	9.95	Horizontal
2	5459.62	30.90	32.82	-19.72	44.00	54.00	10.00	Horizontal



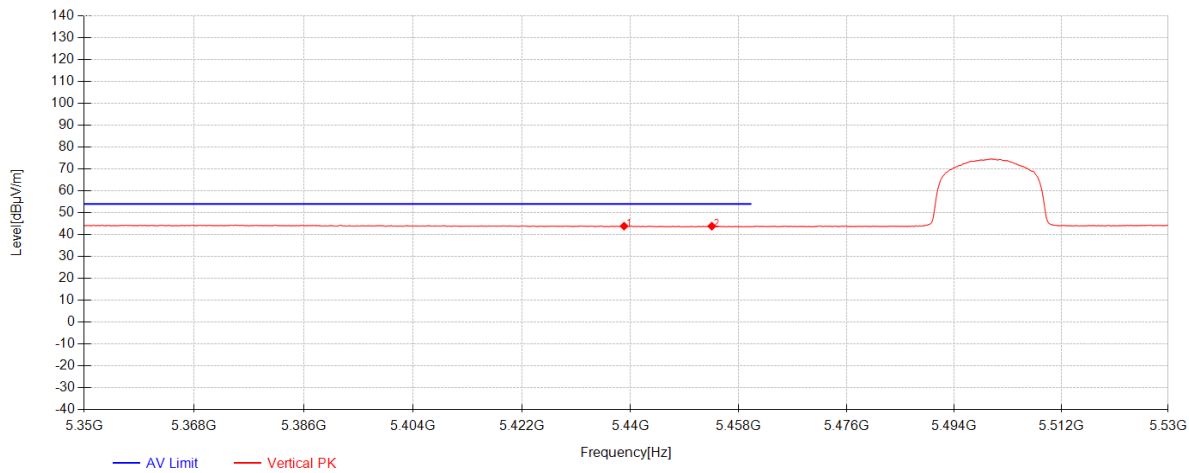
11a_TX_CH_100_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.42	44.02	32.80	-19.72	57.10	74.00	16.90	Vertical
2	5463.88	44.10	32.83	-19.72	57.21	68.20	10.99	Vertical

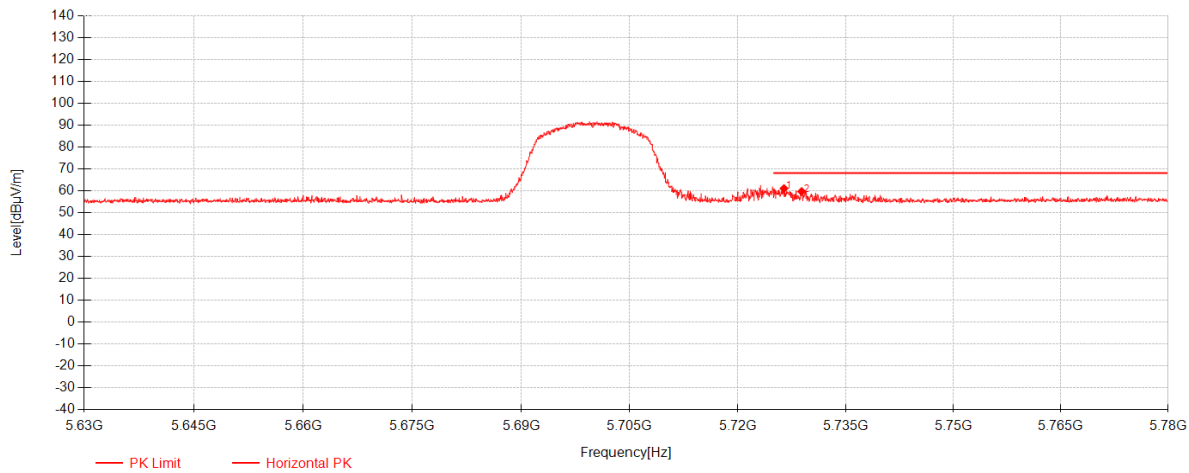


11a_TX_CH_100_Veritical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5438.92	30.77	32.84	-19.72	43.89	54.00	10.11	Vertical
2	5453.5	30.77	32.81	-19.72	43.86	54.00	10.14	Vertical

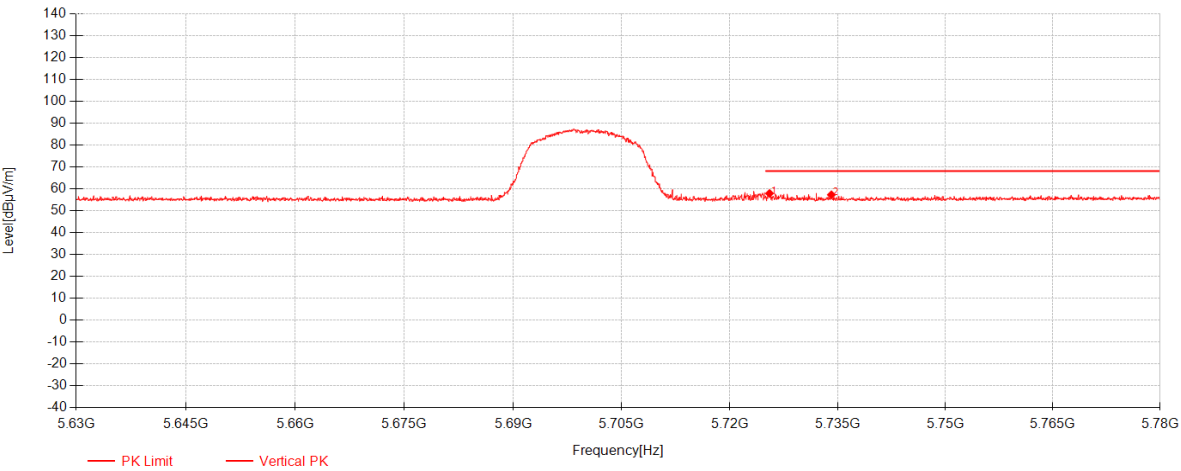
11a_TX_CH_140_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.4	46.95	33.56	-19.40	61.11	68.20	7.09	Horizontal
2	5728.85	45.57	33.57	-19.40	59.75	68.20	8.45	Horizontal

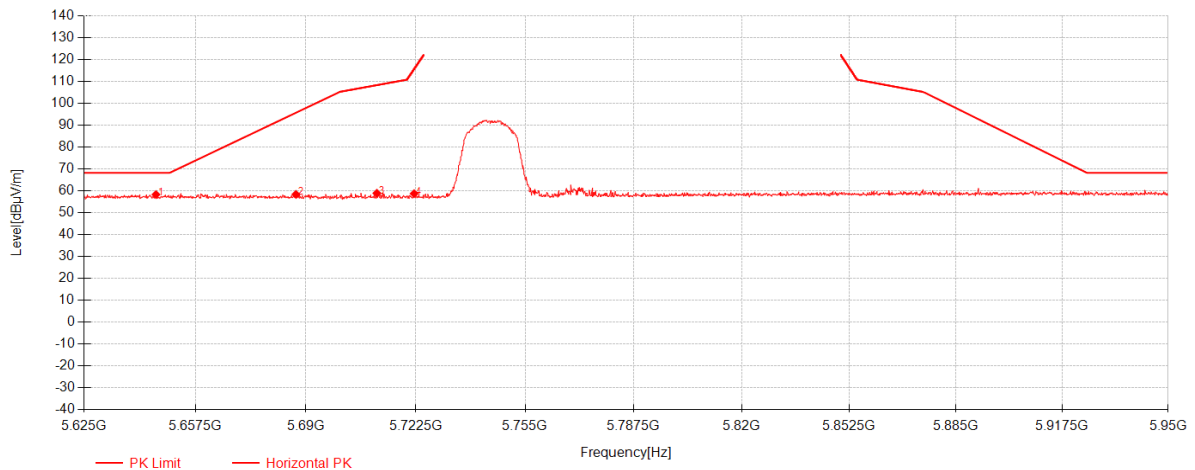


11a_TX_CH_140_Vertical_Peak



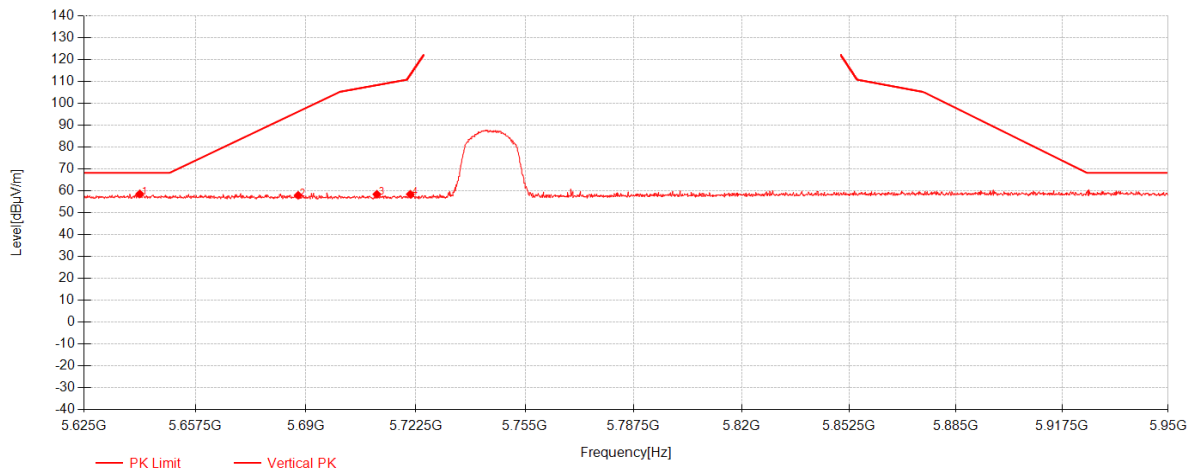
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.5	43.78	33.55	-19.40	57.94	68.20	10.26	Vertical
2	5734.1	43.10	33.60	-19.39	57.31	68.20	10.89	Vertical

11a_TX_CH_149_Horizontal_Peak



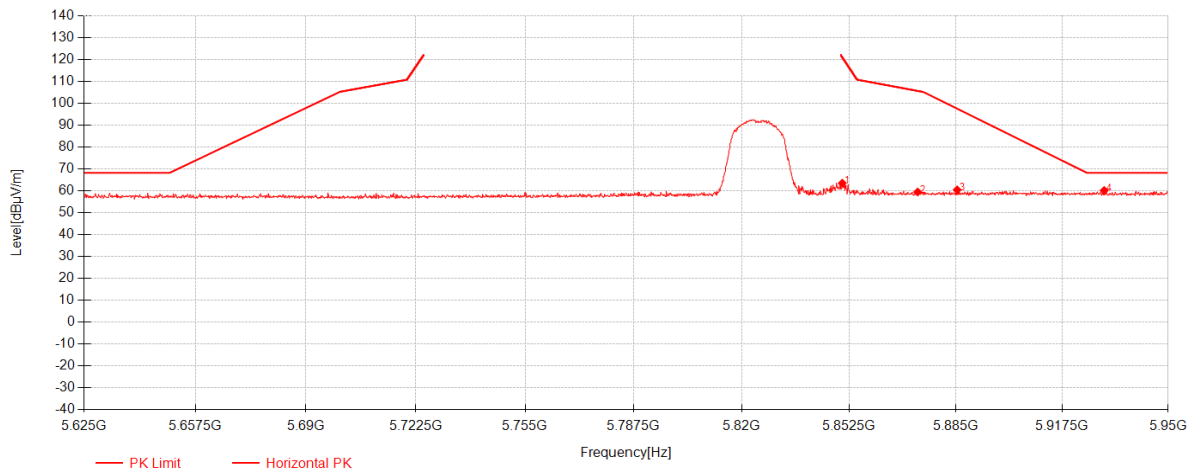
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5645.9625	44.15	33.49	-19.29	58.35	68.30	9.95	Horizontal
2	5687.075	44.37	33.43	-19.38	58.41	95.77	37.36	Horizontal
3	5710.9625	44.89	33.47	-19.40	58.95	108.37	49.42	Horizontal
4	5722.0125	44.63	33.53	-19.40	58.76	115.49	56.73	Horizontal

11a_TX_CH_149_Vertical_Peak



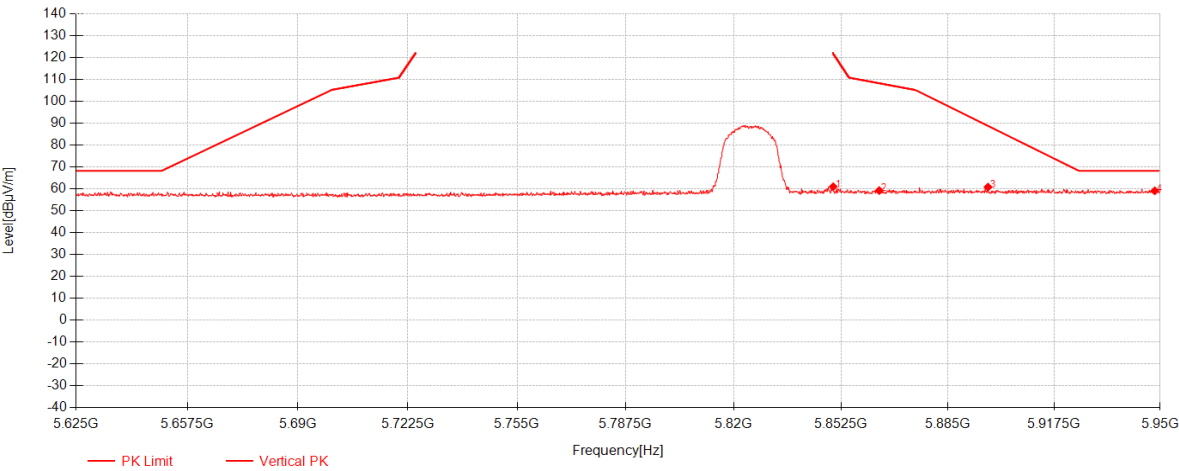
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.25	44.46	33.48	-19.28	58.66	68.30	9.64	Vertical
2	5687.725	43.96	33.42	-19.38	58.00	96.25	38.25	Vertical
3	5710.9625	44.41	33.47	-19.40	58.47	108.37	49.90	Vertical
4	5720.875	44.34	33.53	-19.40	58.47	112.90	54.43	Vertical

11a_TX_CH_165_Horizontal_Peak



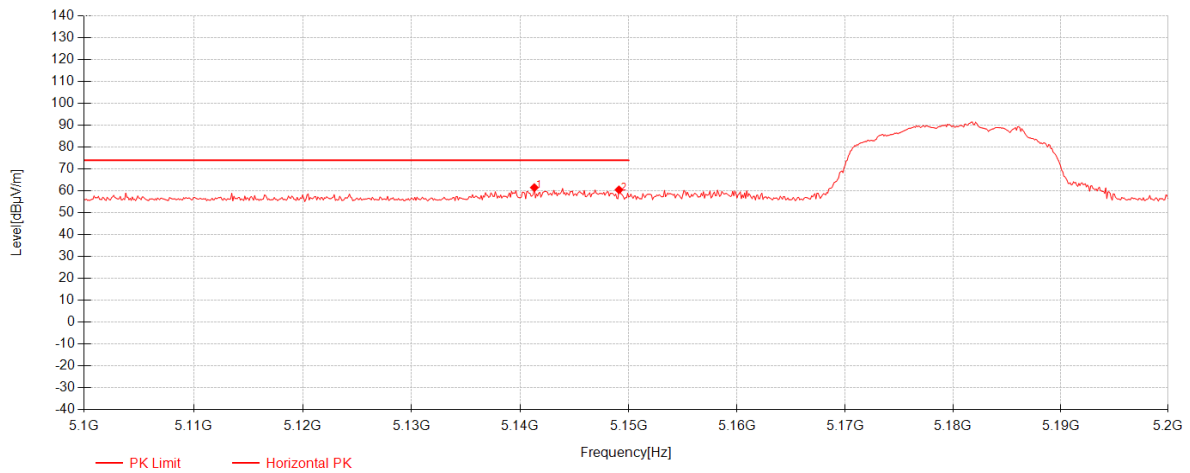
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.3875	48.66	34.30	-19.38	63.58	121.42	57.84	Horizontal
2	5873.3	44.56	34.35	-19.39	59.52	105.78	46.26	Horizontal
3	5885.325	45.51	34.37	-19.39	60.49	97.63	37.14	Horizontal
4	5930.3375	45.25	34.34	-19.39	60.20	68.30	8.10	Horizontal

11a_TX_CH_165_Verical_Peak



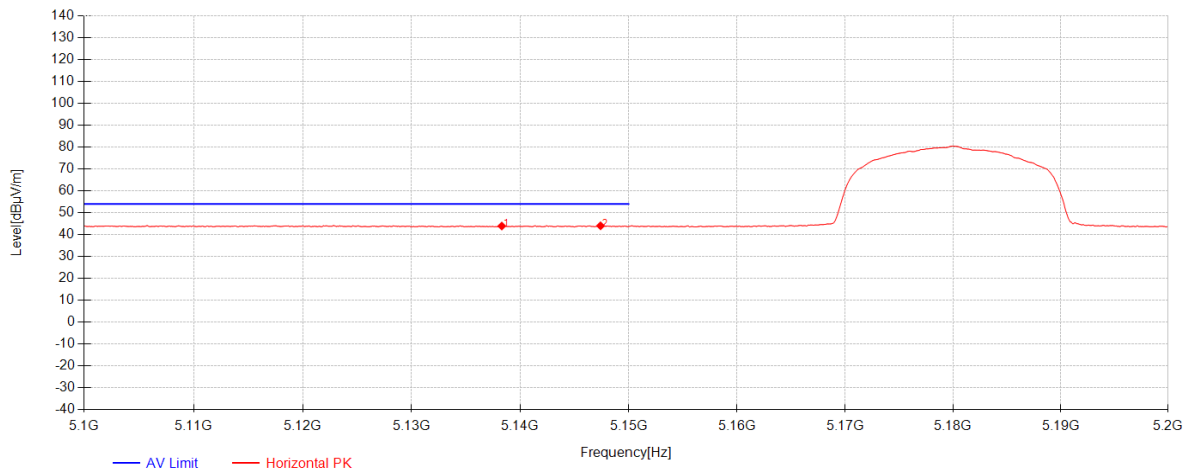
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.0625	46.10	34.30	-19.38	61.02	122.16	61.14	Vertical
2	5864.0375	44.31	34.33	-19.39	59.25	108.37	49.12	Vertical
3	5897.1875	45.85	34.39	-19.40	60.85	88.84	27.99	Vertical
4	5948.375	44.21	34.30	-19.38	59.13	68.30	9.17	Vertical

11ax(HE20)_TX_CH_36_Horizontal_Peak



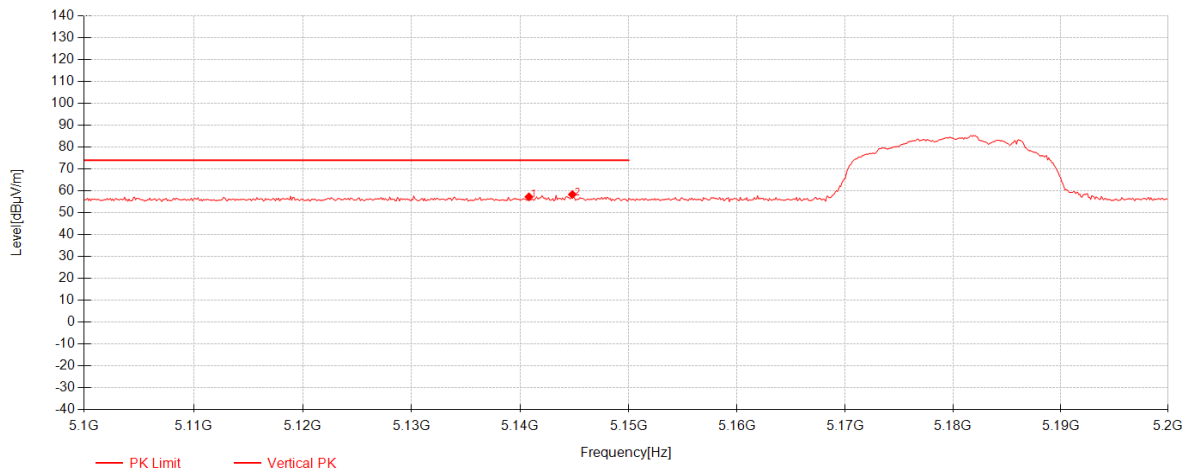
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.3	48.39	33.27	-20.14	61.52	74.00	12.48	Horizontal
2	5149.1	47.41	33.21	-20.11	60.50	74.00	13.50	Horizontal

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	5138.3	30.80	33.29	-20.15	43.94	54.00	10.06	Horizontal
2	5147.4	30.94	33.22	-20.12	44.04	54.00	9.96	Horizontal

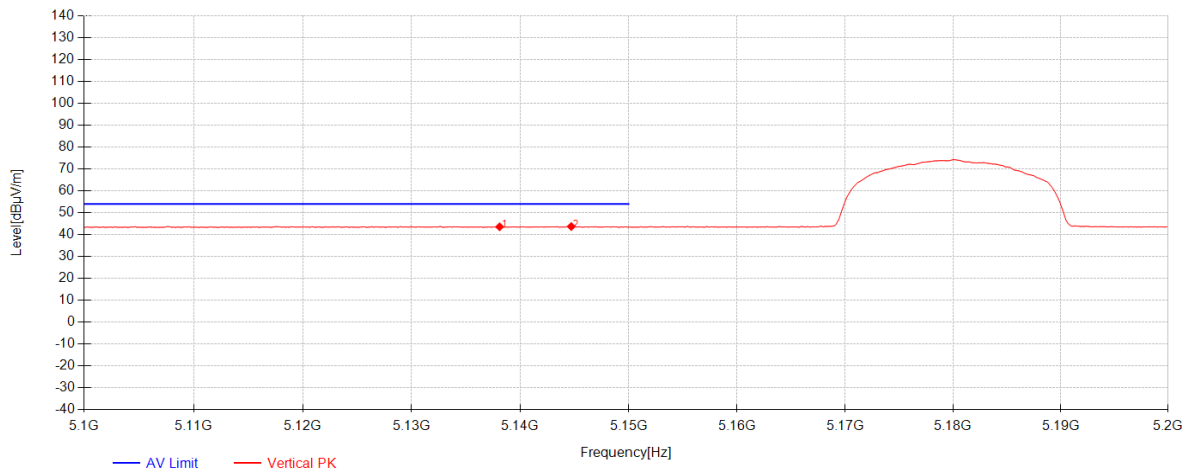
11ax(HE20)_TX_CH_36_Veritical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5140.8	44.15	33.27	-20.14	57.28	74.00	16.72	Vertical
2	5144.8	45.26	33.24	-20.13	58.37	74.00	15.63	Vertical

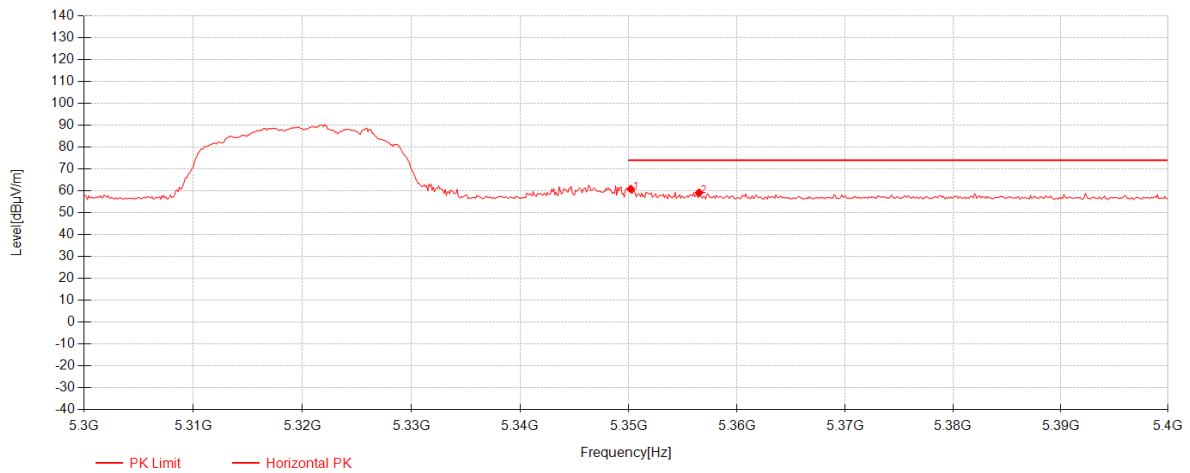


11ax(HE20)_TX_CH_36_Veritical_Average



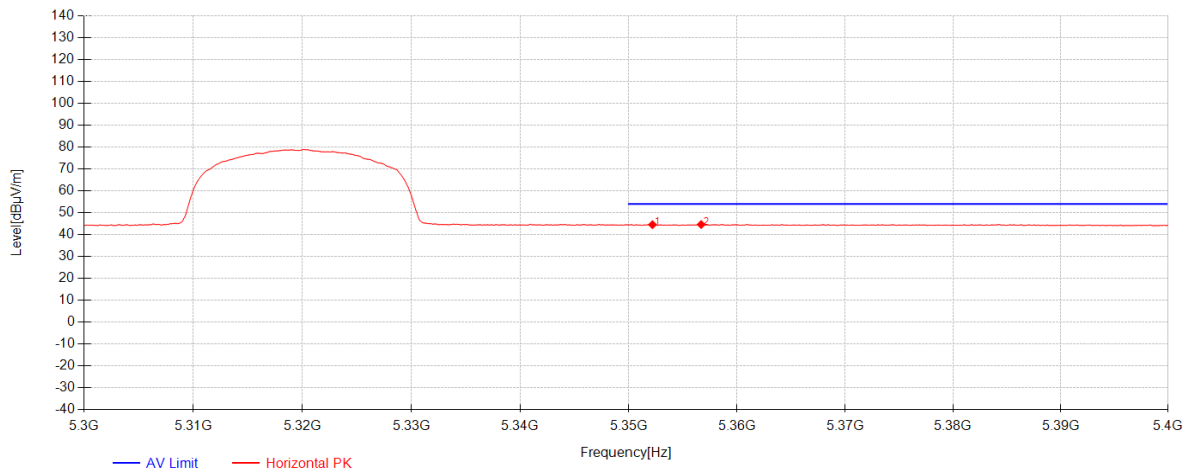
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.1	30.44	33.30	-20.15	43.58	54.00	10.42	Vertical
2	5144.7	30.61	33.24	-20.13	43.72	54.00	10.28	Vertical

11ax(HE20)_TX_CH_64_Horizontal_Peak



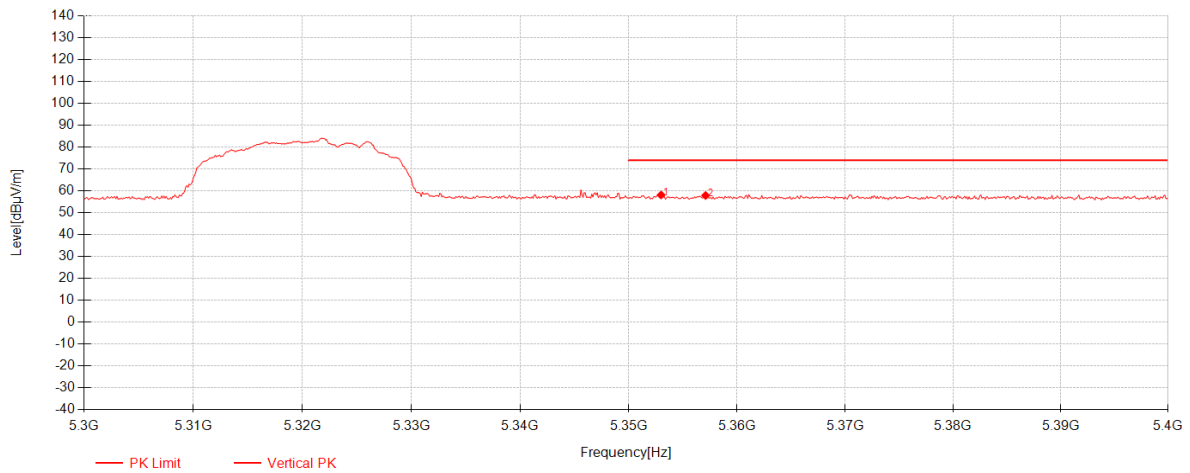
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.2	47.39	33.30	-19.82	60.87	74.00	13.13	Horizontal
2	5356.5	45.75	33.26	-19.81	59.20	74.00	14.80	Horizontal

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	5352.2	31.08	33.29	-19.82	44.55	54.00	9.45	Horizontal
2	5356.7	31.18	33.26	-19.81	44.63	54.00	9.37	Horizontal

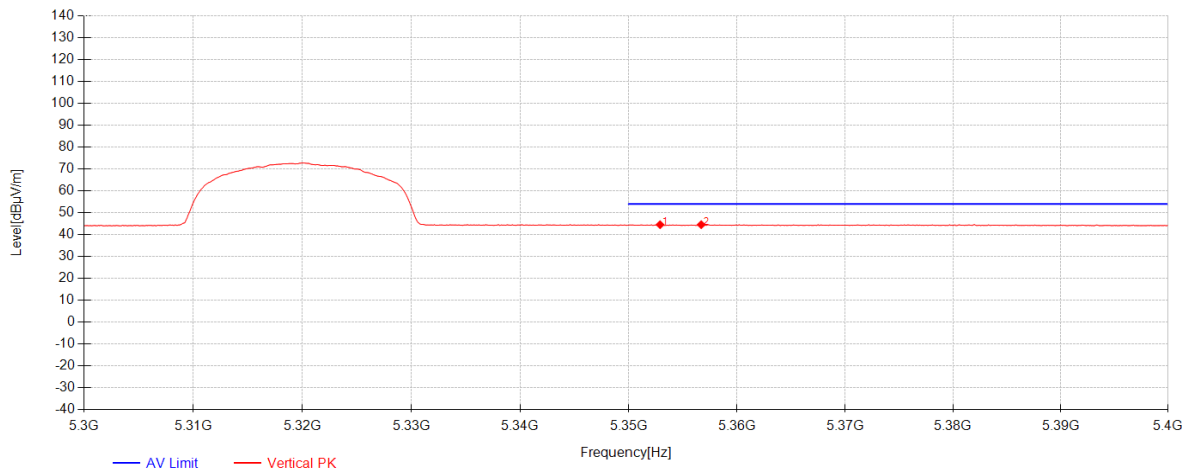
11ax(HE20)_TX_CH_64_Veritical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5353	44.69	33.28	-19.81	58.16	74.00	15.84	Vertical
2	5357.1	44.46	33.26	-19.81	57.91	74.00	16.09	Vertical



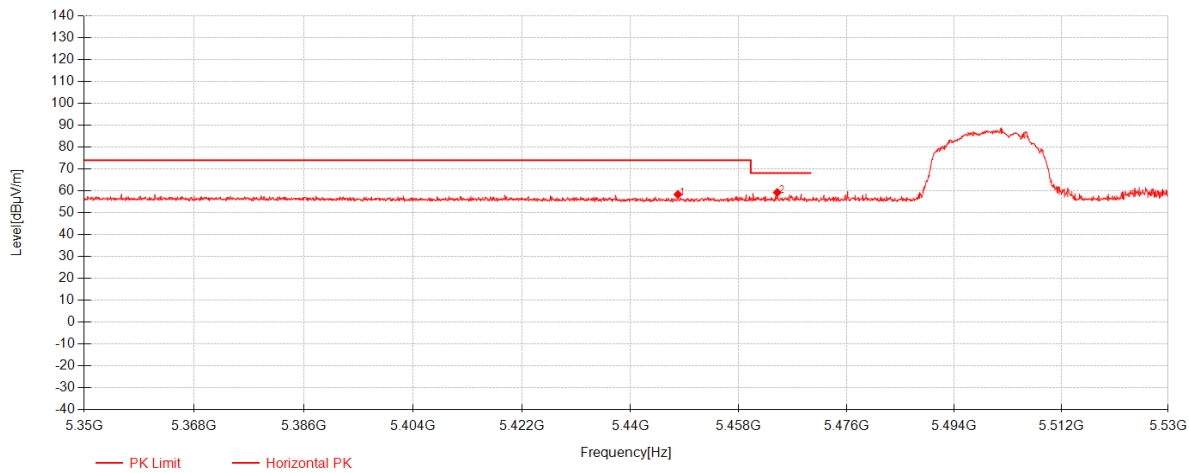
11ax(HE20)_TX_CH_64_Veritical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.9	31.08	33.28	-19.81	44.55	54.00	9.45	Vertical
2	5356.7	31.10	33.26	-19.81	44.55	54.00	9.45	Vertical



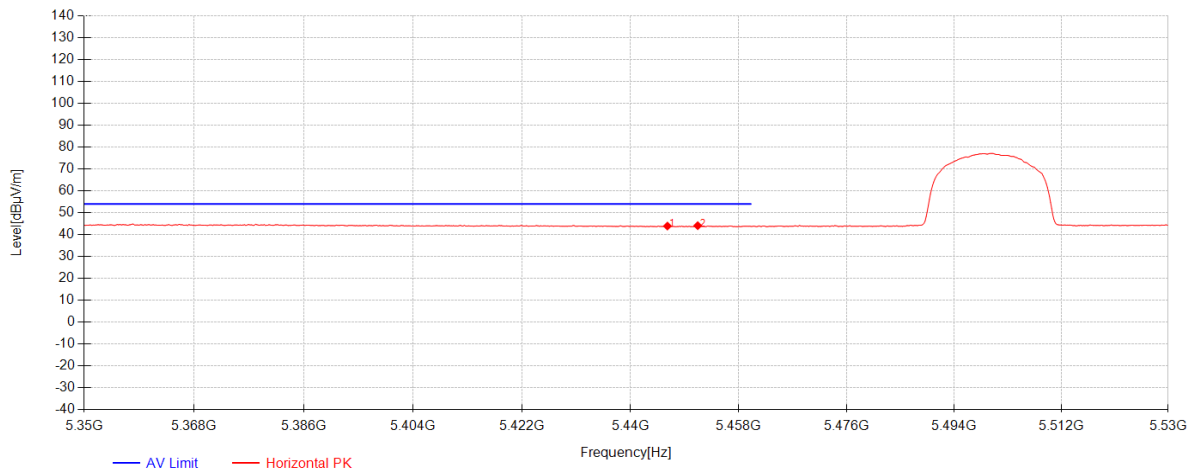
11ax(HE20)_TX_CH_100_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5447.86	45.29	32.81	-19.72	58.38	74.00	15.62	Horizontal
2	5464.42	46.20	32.83	-19.72	59.31	68.20	8.89	Horizontal

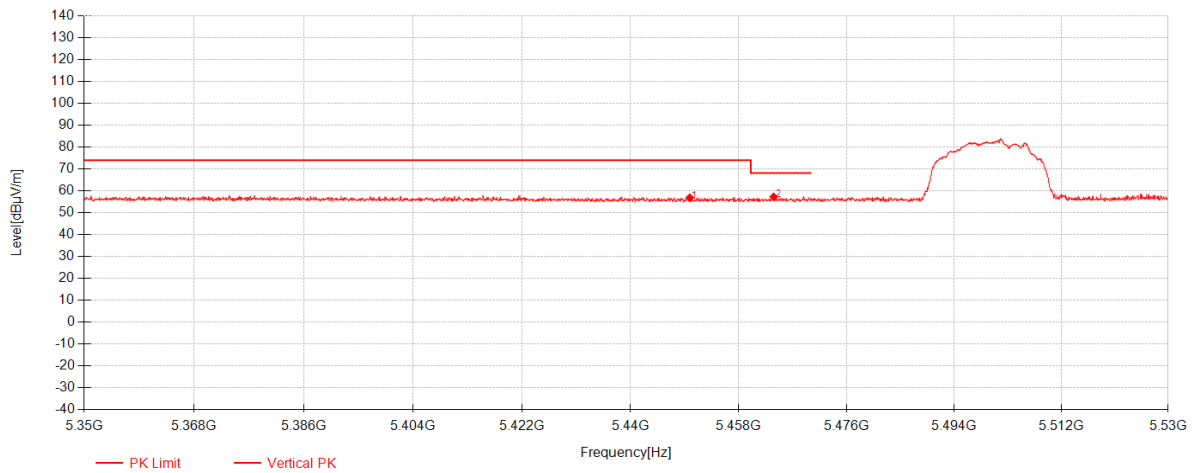


11ax(HE20)_TX_CH_100_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5446.12	30.82	32.82	-19.72	43.92	54.00	10.08	Horizontal
2	5451.16	31.01	32.80	-19.72	44.09	54.00	9.91	Horizontal

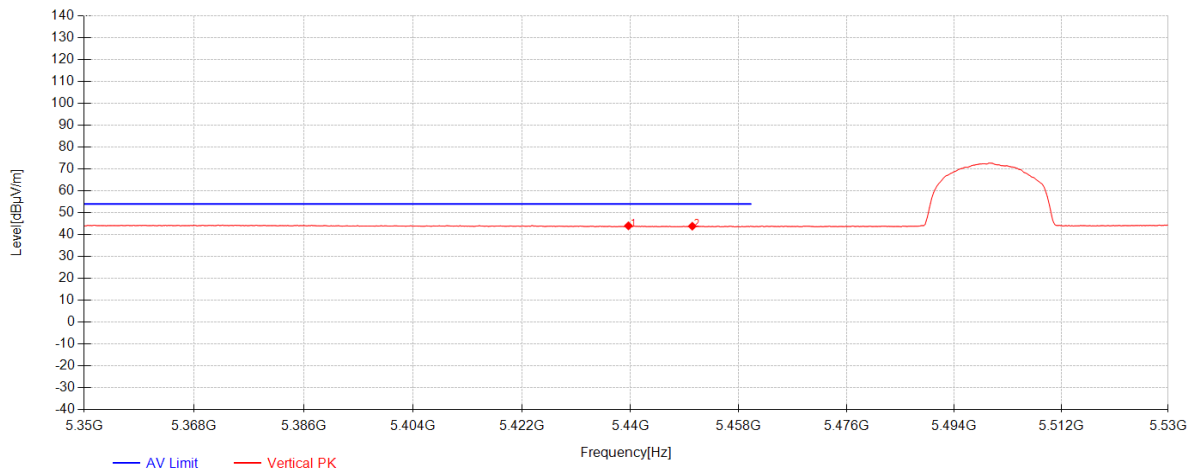
11ax(HE20)_TX_CH_100_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.84	43.76	32.80	-19.72	56.84	74.00	17.16	Vertical
2	5463.82	44.18	32.83	-19.72	57.29	68.20	10.91	Vertical

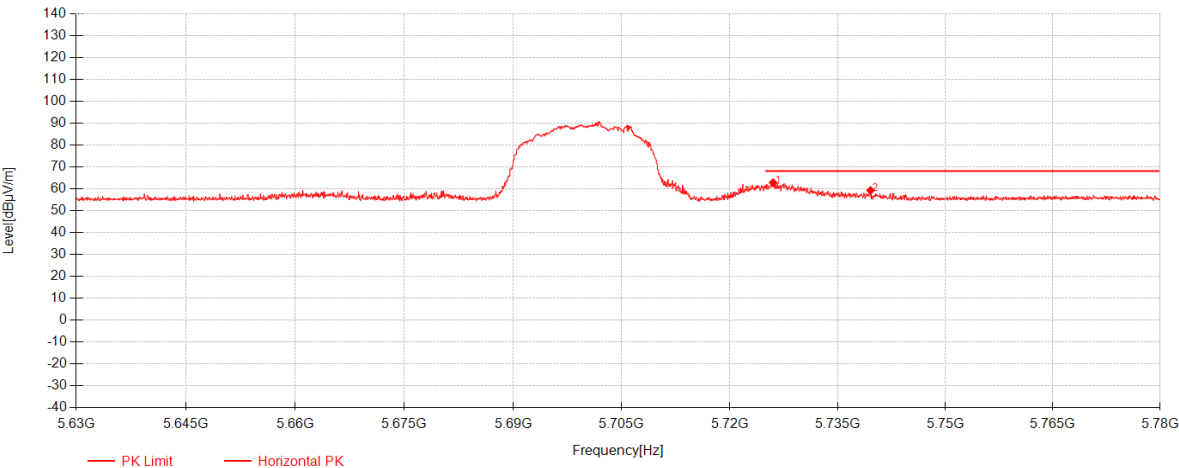


11ax(HE20)_TX_CH_100_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5439.64	30.90	32.84	-19.72	44.02	54.00	9.98	Vertical
2	5450.26	30.77	32.80	-19.72	43.85	54.00	10.15	Vertical

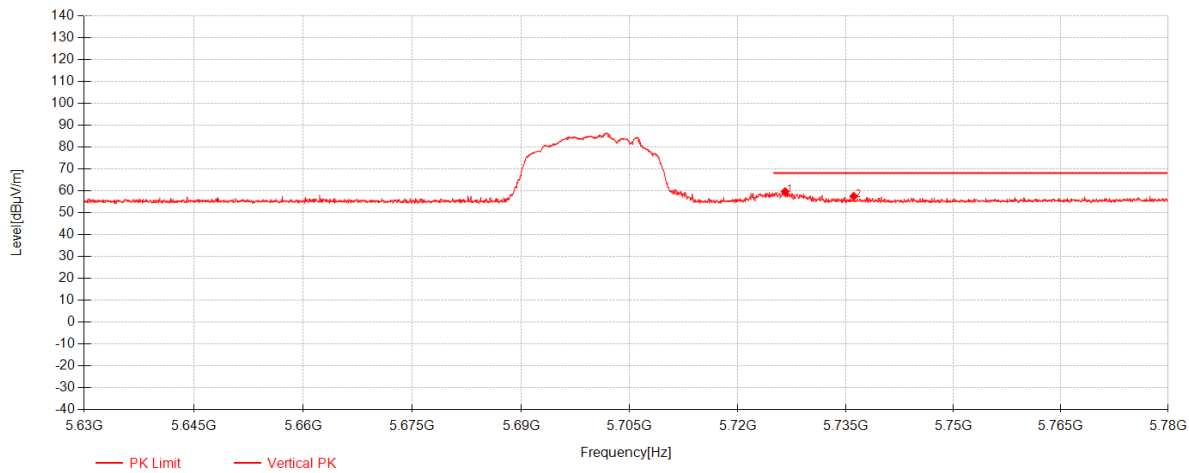
11ax(HE20)_TX_CH_140_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726	48.69	33.56	-19.40	62.85	68.20	5.35	Horizontal
2	5739.55	45.06	33.64	-19.39	59.31	68.20	8.89	Horizontal

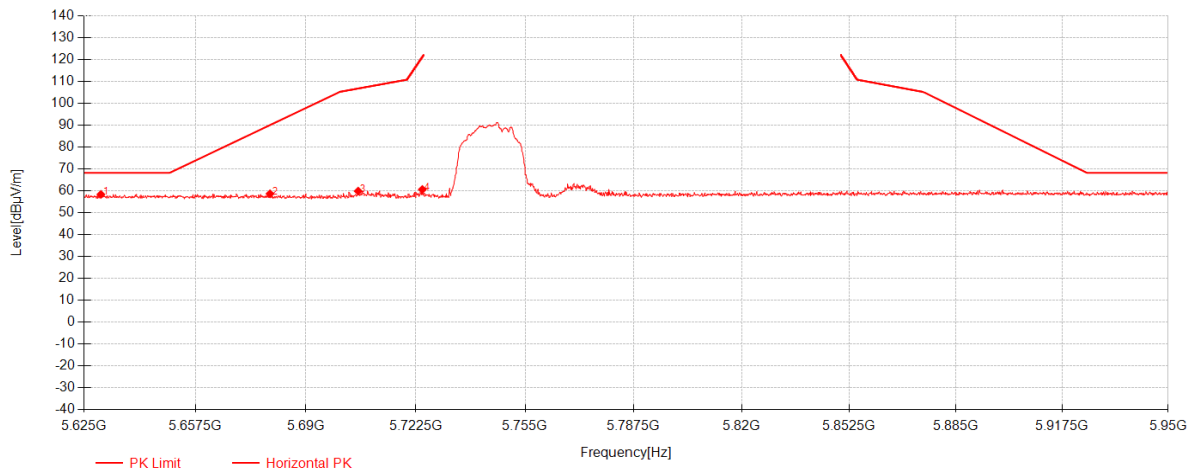


11ax(HE20)_TX_CH_140_Vertical_Peak



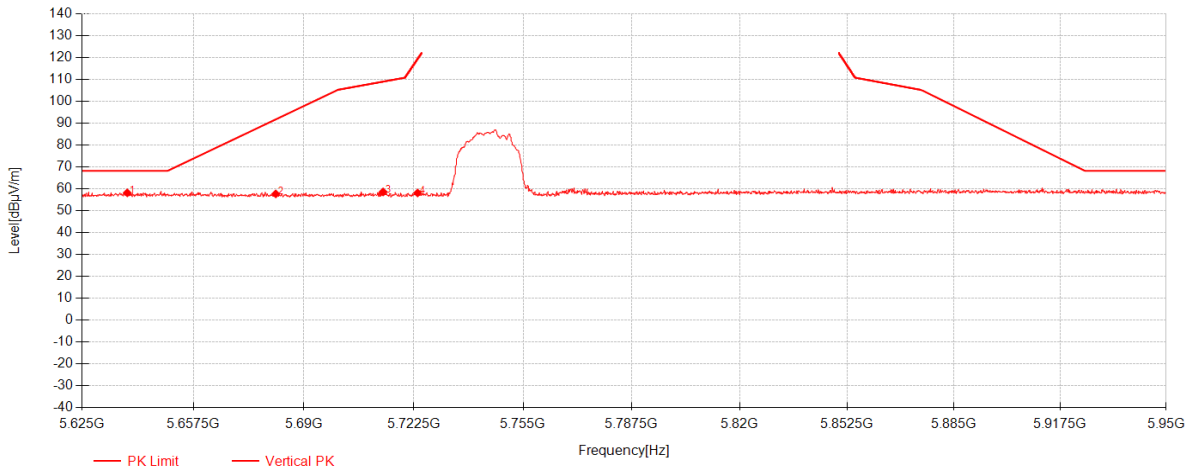
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.55	45.57	33.56	-19.40	59.73	68.20	8.47	Vertical
2	5736.1	43.33	33.62	-19.39	57.55	68.20	10.65	Vertical

11ax(HE20)_TX_CH_149_Horizontal_Peak



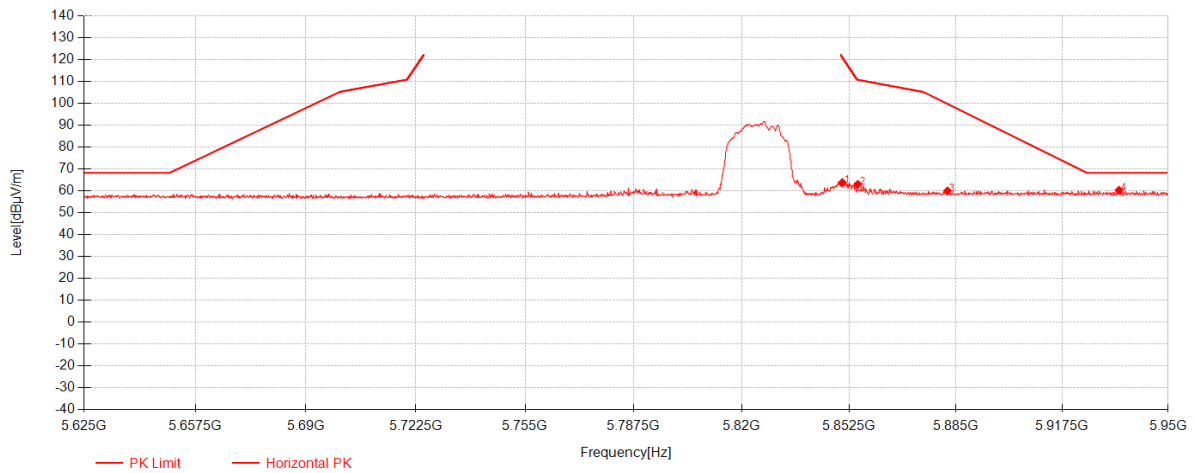
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5629.875	44.22	33.46	-19.26	58.42	68.30	9.88	Horizontal
2	5679.4375	44.61	33.44	-19.36	58.69	90.12	31.43	Horizontal
3	5705.4375	45.89	33.43	-19.41	59.92	106.82	46.90	Horizontal
4	5724.45	46.49	33.55	-19.40	60.64	121.05	60.41	Horizontal

11ax(HE20)_TX_CH_149_Verical_Peak



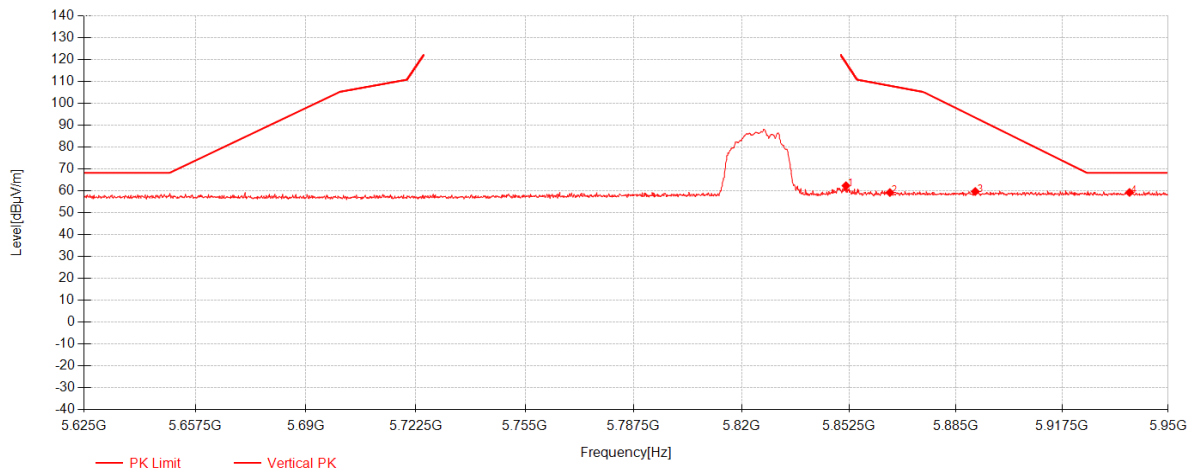
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5638.1625	44.00	33.48	-19.27	58.20	68.30	10.10	Vertical
2	5681.7125	43.65	33.44	-19.37	57.72	91.81	34.09	Vertical
3	5713.4	44.54	33.48	-19.40	58.62	109.05	50.43	Vertical
4	5723.6375	44.00	33.54	-19.40	58.14	119.19	61.05	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	48.98	34.30	-19.38	63.90	121.42	57.52	Horizontal
2	5855.1	48.14	34.31	-19.38	63.07	110.87	47.80	Horizontal
3	5882.4	45.08	34.36	-19.39	60.05	99.80	39.75	Horizontal
4	5934.8875	45.40	34.33	-19.39	60.34	68.30	7.96	Horizontal

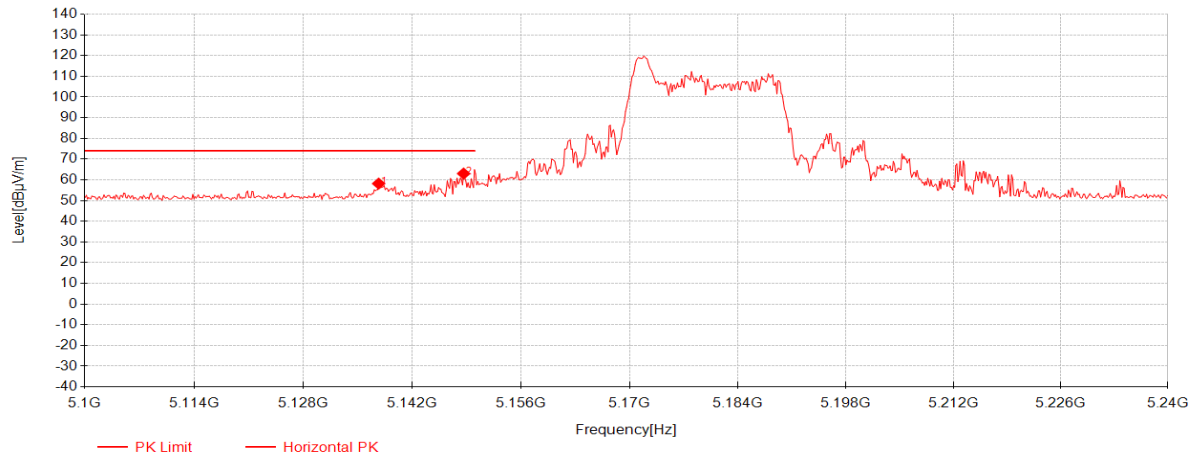
11ax(HE20)_TX_CH_165_Verical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.525	47.47	34.30	-19.38	62.39	118.82	56.43	Vertical
2	5864.85	44.32	34.33	-19.39	59.26	108.14	48.88	Vertical
3	5890.85	44.74	34.38	-19.40	59.73	93.54	33.81	Vertical
4	5938.1375	44.36	34.32	-19.38	59.30	68.30	9.00	Vertical

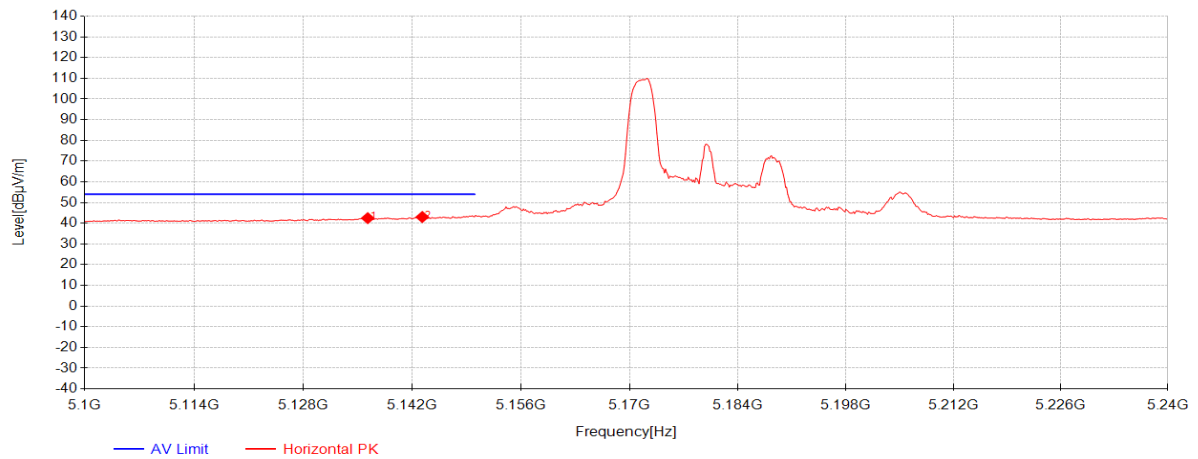


11ax(HE20)_RU26_Left_TX_CH_36_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5137.66	43.32	33.07	-18.22	58.18	74.00	15.82	Horizontal
2	5148.58	48.12	33.07	-18.18	63.01	74.00	10.99	Horizontal

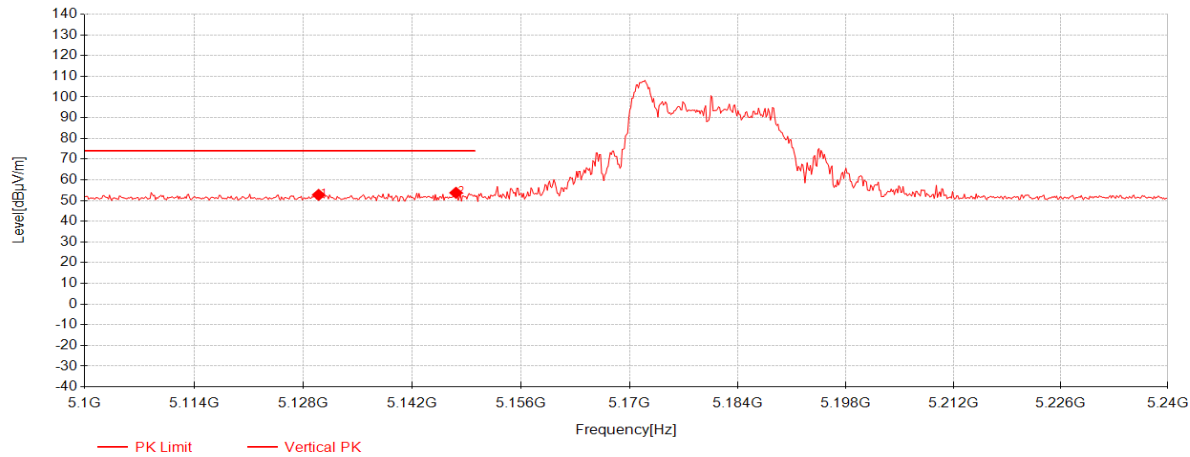
11ax(HE20)_RU26_Left_TX_CH_36_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5136.26	27.62	33.07	-18.22	42.47	54.00	11.53	Horizontal
2	5143.26	28.15	33.07	-18.20	43.02	54.00	10.98	Horizontal



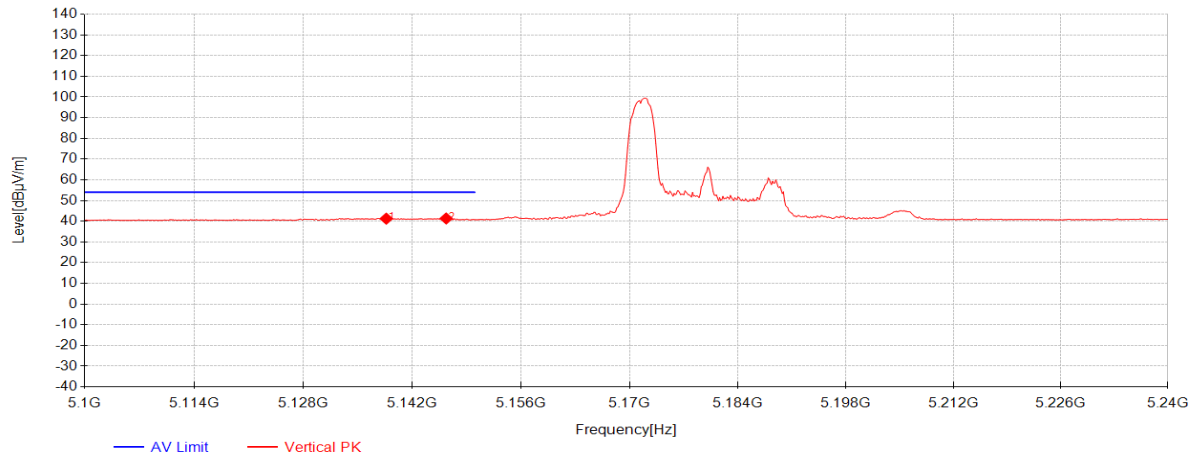
11ax(HE20)_RU26_Left_TX_CH_36_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5129.96	37.91	33.07	-18.24	52.74	74.00	21.26	Vertical
2	5147.6	38.86	33.07	-18.19	53.74	74.00	20.26	Vertical

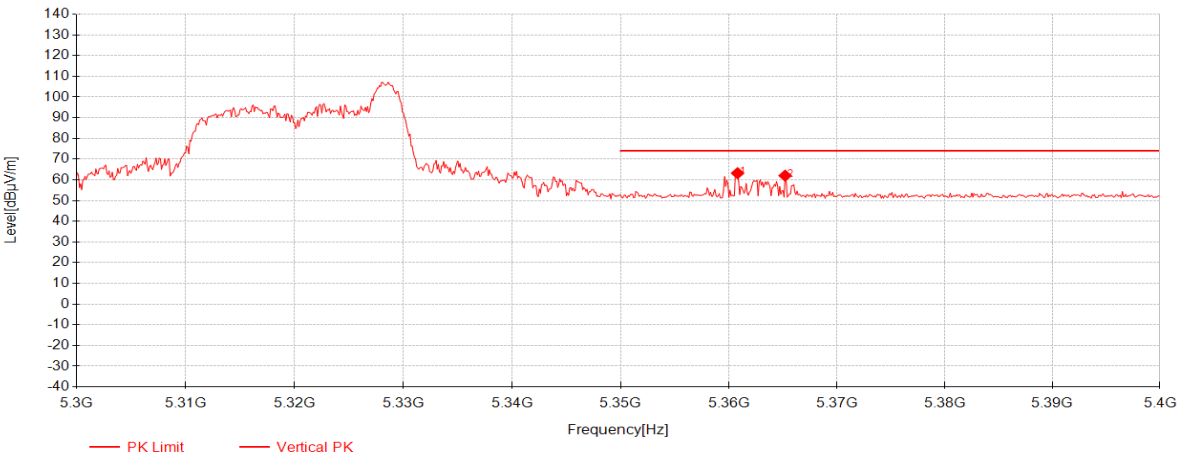


11ax(HE20)_RU26_Left_TX_CH_36_Vertical_Average



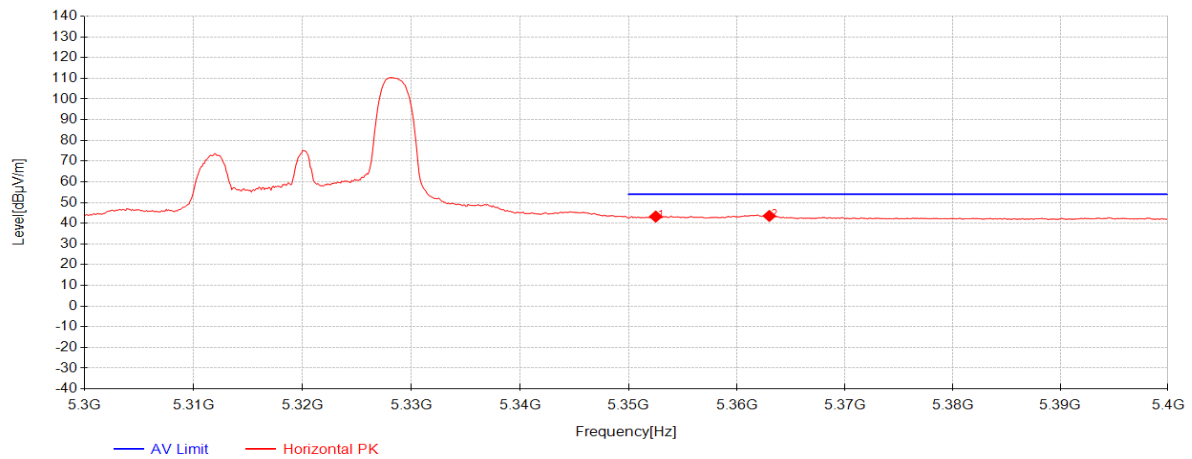
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.64	26.38	33.07	-18.21	41.24	54.00	12.76	Vertical
2	5146.34	26.45	33.07	-18.19	41.33	54.00	12.67	Vertical

11ax(HE20)_RU26_Right_TX_CH_64_Vertical_Peak



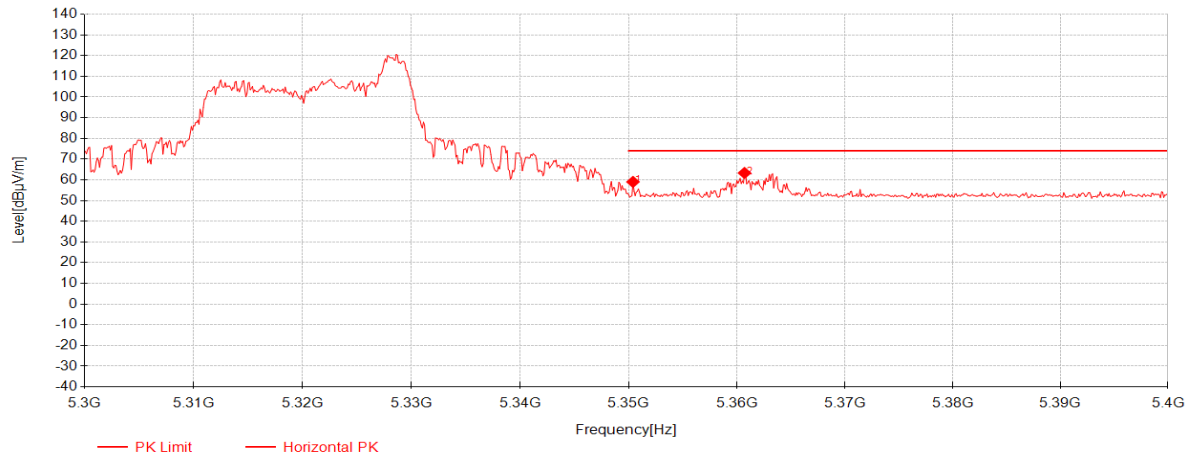
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5360.8	47.95	33.03	-17.77	63.21	74.00	10.79	Vertical
2	5365.2	46.77	33.03	-17.77	62.03	74.00	11.97	Vertical

11ax(HE20)_RU26_Right_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	5352.5	27.95	33.03	-17.75	43.23	54.00	10.77	Horizontal
2	5363	28.26	33.03	-17.77	43.52	54.00	10.48	Horizontal

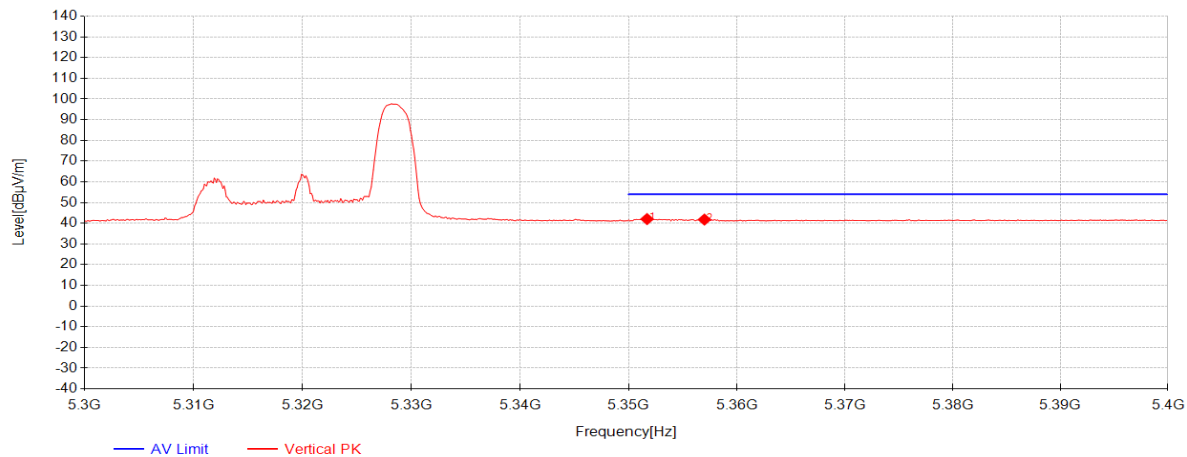
11ax(HE20)_RU26_Right_TX_CH_64_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.4	43.73	33.03	-17.75	59.01	74.00	14.99	Horizontal
2	5360.7	48.05	33.03	-17.76	63.31	74.00	10.69	Horizontal



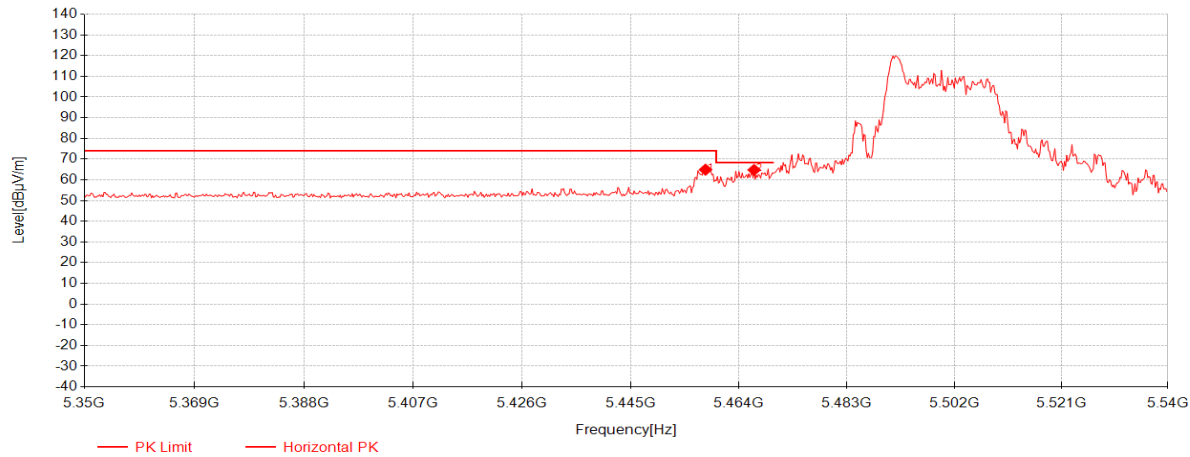
11ax(HE20)_RU26_Right_TX_CH_64_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.7	26.74	33.03	-17.75	42.02	54.00	11.98	Vertical
2	5357	26.51	33.03	-17.76	41.78	54.00	12.22	Vertical

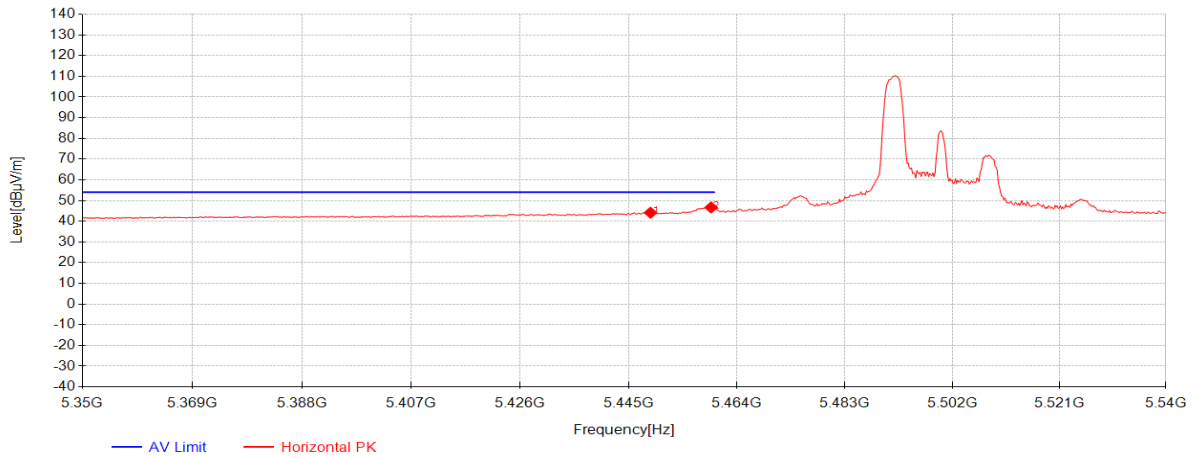


11ax(HE20)_RU26_Left_TX_CH_100_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.11	49.56	33.01	-17.65	64.92	74.00	9.08	Horizontal
2	5466.66	49.39	33.01	-17.62	64.78	68.30	3.52	Horizontal

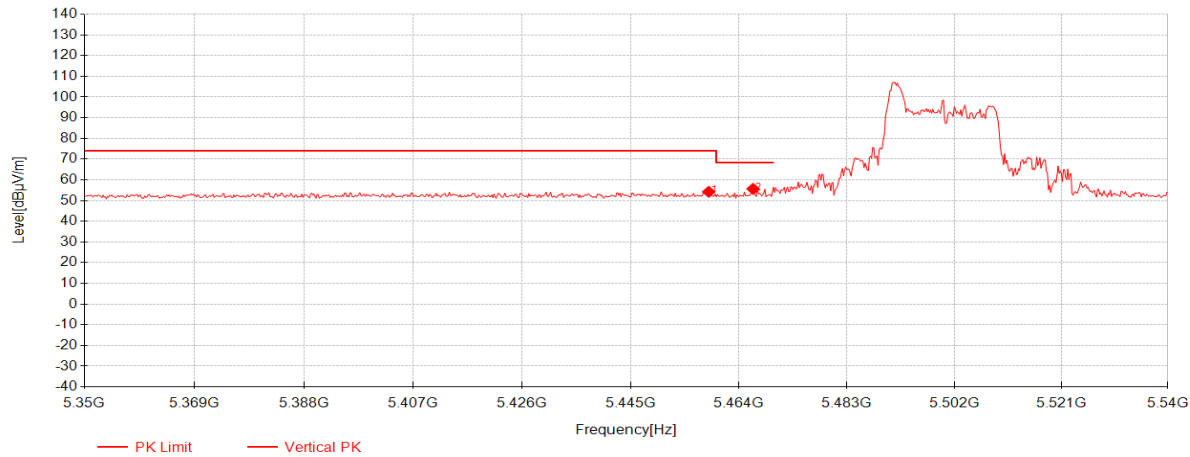
11ax(HE20)_RU26_Left_TX_CH_100_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5448.8	28.78	33.01	-17.67	44.12	54.00	9.88	Horizontal
2	5459.44	31.29	33.01	-17.64	46.66	54.00	7.34	Horizontal

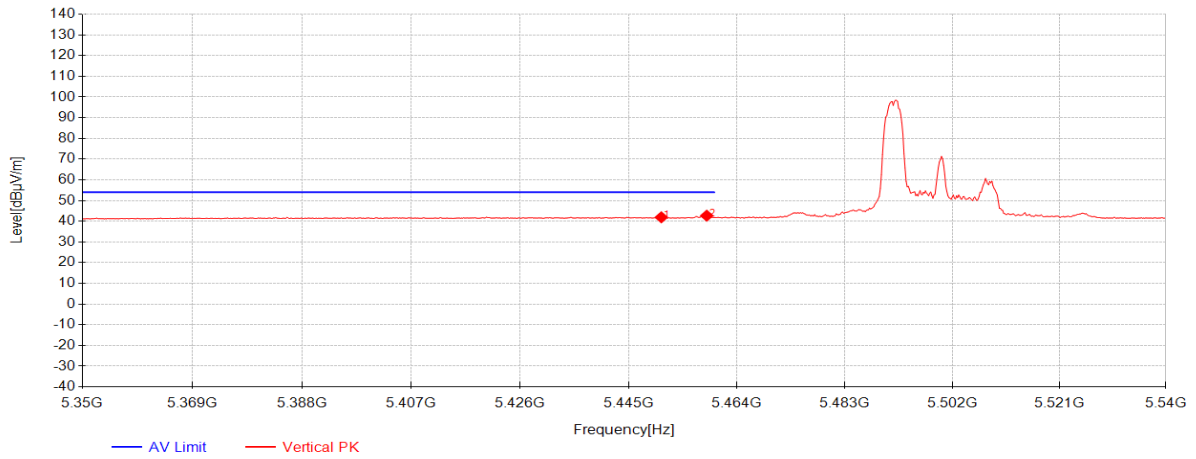


11ax(HE20)_RU26_Left_TX_CH_100_Vertical_Peak



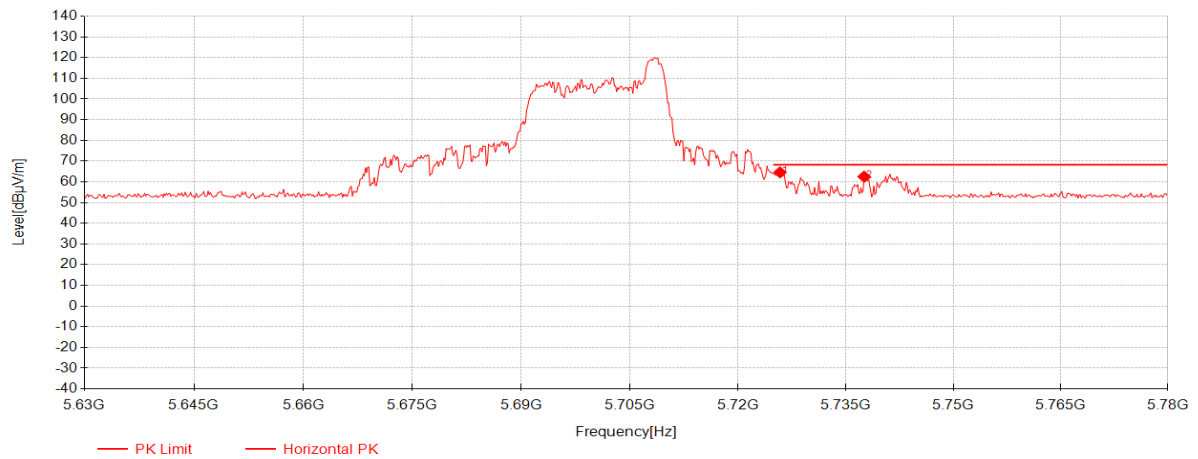
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.68	38.85	33.01	-17.64	54.21	74.00	19.79	Vertical
2	5466.47	40.25	33.01	-17.62	55.64	68.30	12.66	Vertical

11ax(HE20)_RU26_Left_TX_CH_100_Vertical_Average



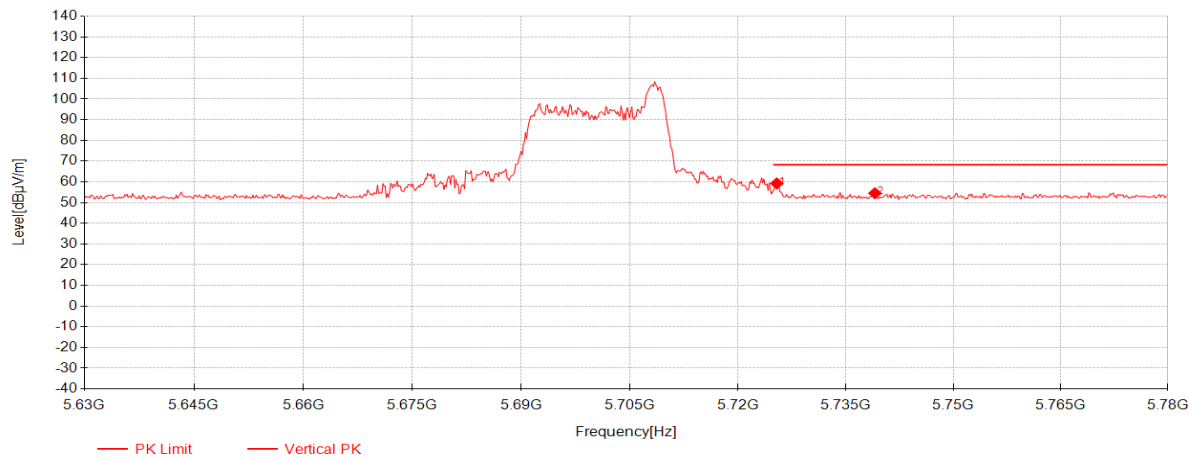
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5450.7	26.56	33.01	-17.67	41.90	54.00	12.10	Vertical
2	5458.68	27.33	33.01	-17.64	42.69	54.00	11.31	Vertical

11ax(HE20)_RU26_Right_TX_CH_140_Horizontal_Peak



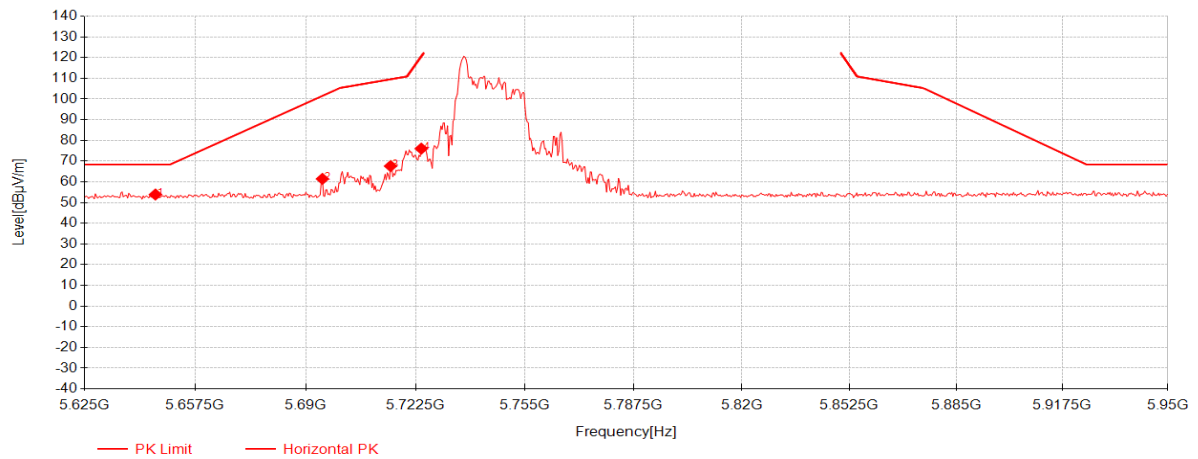
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.85	48.15	33.68	-17.25	64.58	68.20	3.62	Horizontal
2	5737.55	46.00	33.71	-17.21	62.50	68.20	5.70	Horizontal

11ax(HE20)_RU26_Right_TX_CH_140_Vertical_Peak



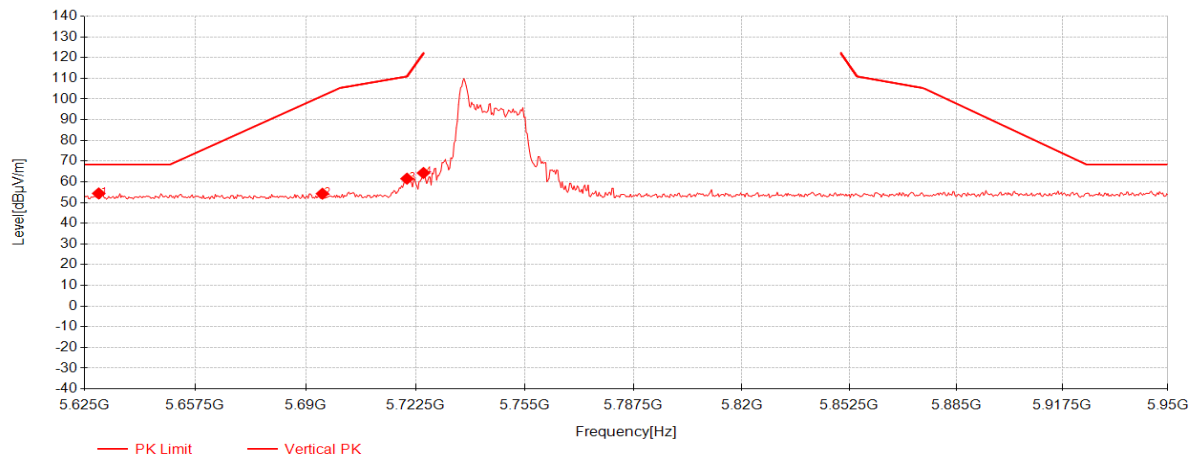
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.4	42.81	33.68	-17.25	59.23	68.20	8.97	Vertical
2	5739.05	38.00	33.72	-17.21	54.51	68.20	13.69	Vertical

11ax(HE20)_RU26_Left_TX_CH_149_Horizontal_Peak



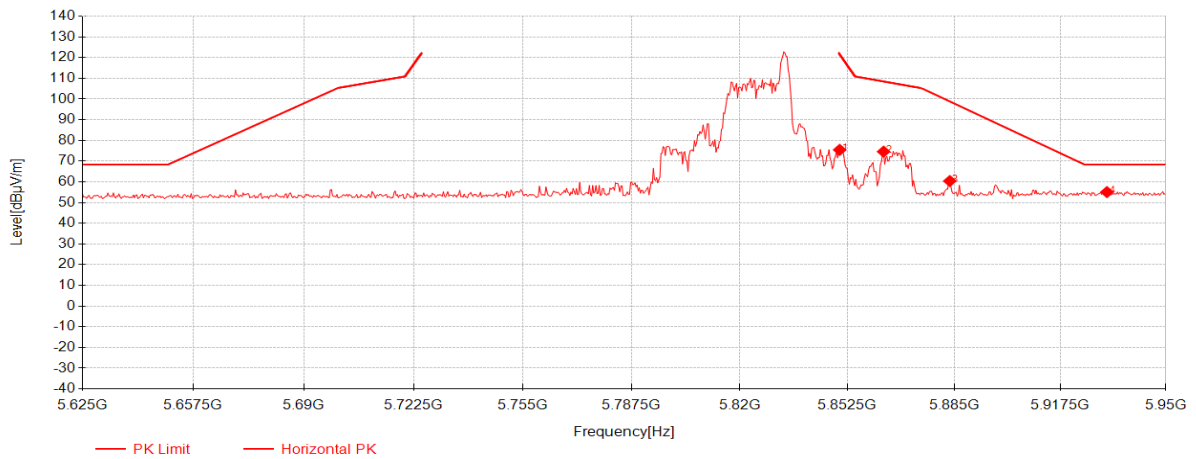
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5645.8	37.71	33.44	-17.28	53.87	68.30	14.43	Horizontal
2	5694.875	45.17	33.58	-17.32	61.43	101.52	40.09	Horizontal
3	5715.025	51.26	33.65	-17.28	67.62	109.51	41.89	Horizontal
4	5724.125	59.61	33.67	-17.26	76.03	120.31	44.28	Horizontal

11ax(HE20)_RU26_Left_TX_CH_149_Vertical_Peak



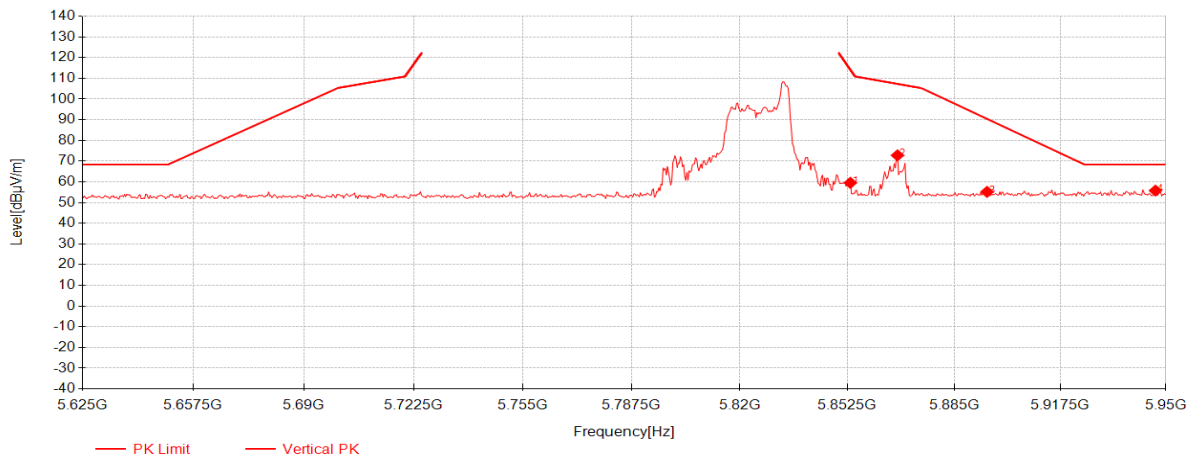
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5629.225	38.26	33.39	-17.26	54.39	68.30	13.91	Vertical
2	5694.875	38.01	33.58	-17.32	54.27	101.52	47.25	Vertical
3	5719.9	45.14	33.66	-17.27	61.53	110.87	49.34	Vertical
4	5724.775	47.87	33.67	-17.25	64.29	121.79	57.50	Vertical

11ax(HE20)_RU26_Right_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	5850.225	58.31	34.05	-16.91	75.45	121.79	46.34	Horizontal
2	5863.55	57.40	34.09	-16.89	74.60	108.50	33.90	Horizontal
3	5883.7	43.09	34.15	-16.84	60.40	98.84	38.44	Horizontal
4	5931.8	37.67	34.30	-16.91	55.06	68.30	13.24	Horizontal

11ax(HE20)_RU26_Right_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	5853.475	42.38	34.06	-16.91	59.53	114.38	54.85	Vertical
2	5867.775	55.56	34.10	-16.88	72.79	107.32	34.53	Vertical
3	5895.075	37.80	34.19	-16.82	55.16	90.41	35.25	Vertical
4	5946.75	38.39	34.34	-16.95	55.78	68.30	12.52	Vertical

7.5 Duty Cycle

Test Requirement ANSI C63.10-2020/Cor1-2023 Section 12.2

Test Method: ANSI C63.10-2020/Cor1-2023 Section 12.2

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

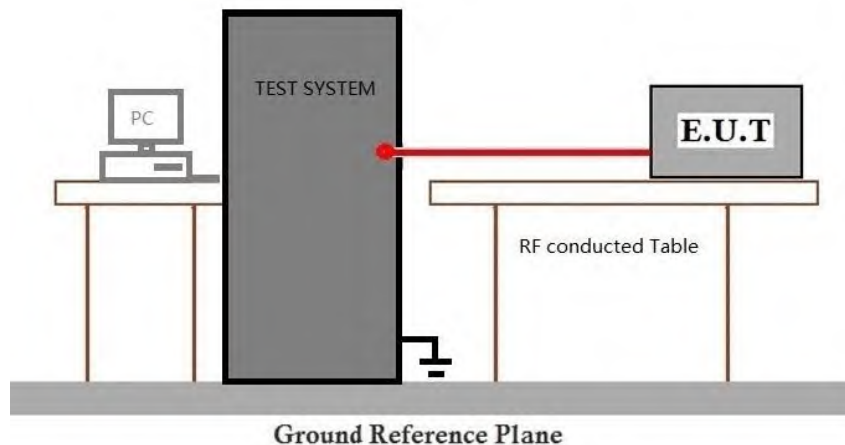
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 99% Bandwidth

Test Requirement ANSI C63.10-2020/Cor1-2023 Section 12.5.3

Test Method: ANSI C63.10-2020/Cor1-2023 Section 12.5.3

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

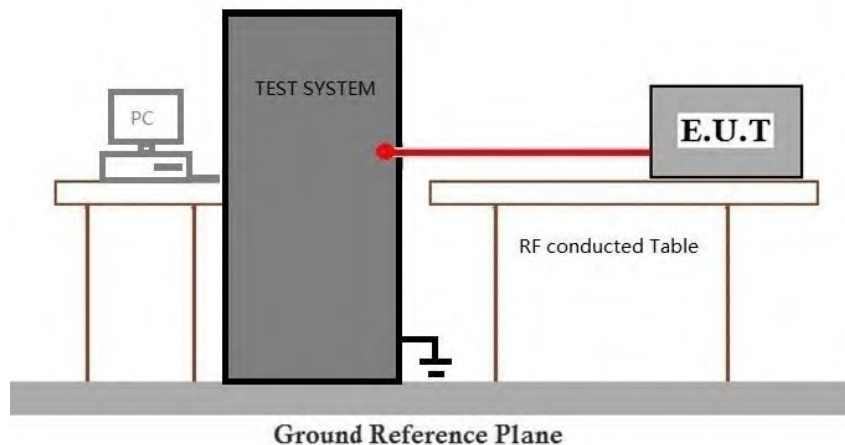
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 26dB Emission Bandwidth

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 12.5.2

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

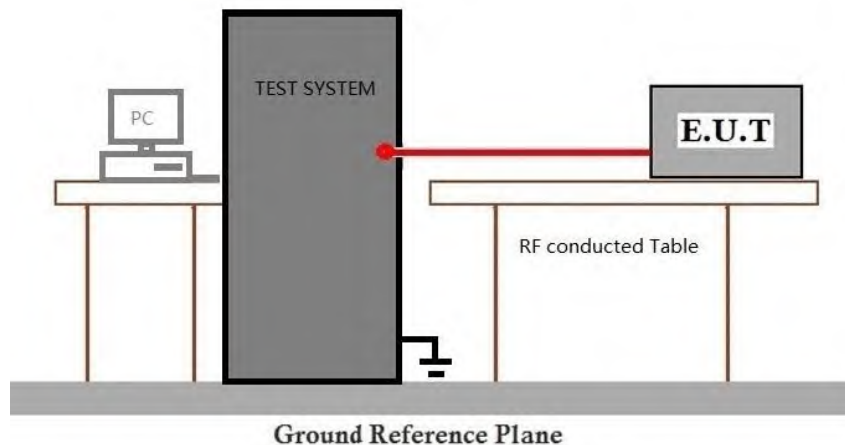
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Minimum 6 dB Bandwidth (5.725-5.85 GHz band)

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 12.5.1

Limit:

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

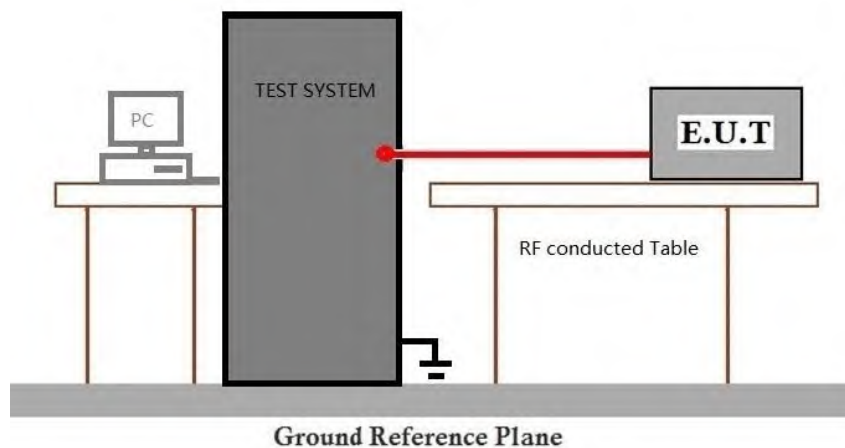
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.9 Maximum Conducted Output Power

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 12.4

Limit:

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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

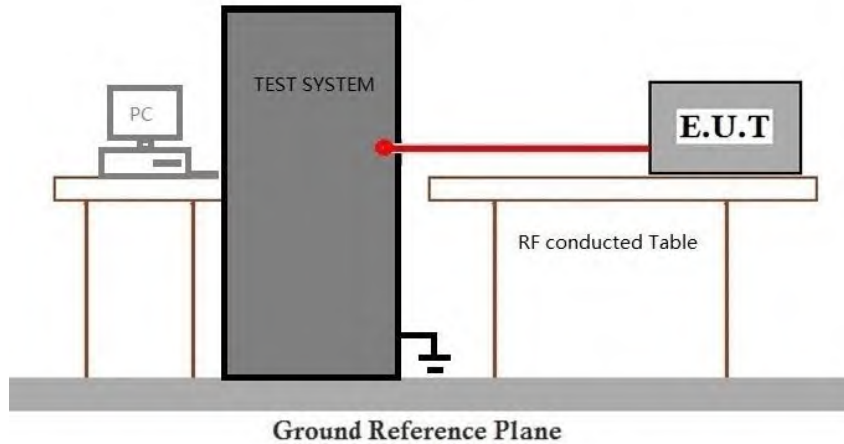
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

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

AV Output power Level = Reading level + Cable loss + DCCF

Please Refer to Appendix for Details



7.10 Power Spectral Density

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 12.6

Limit:

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

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

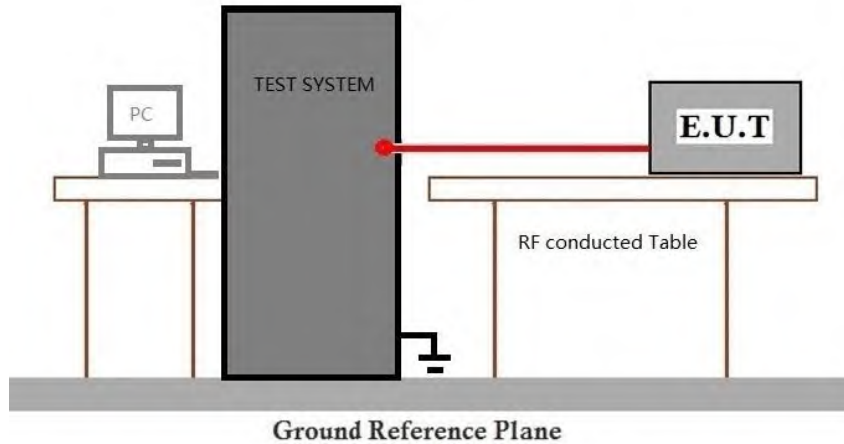
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

Please Refer to Appendix for Details

7.11 Frequency Stability

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 6.8

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 28.1 °C

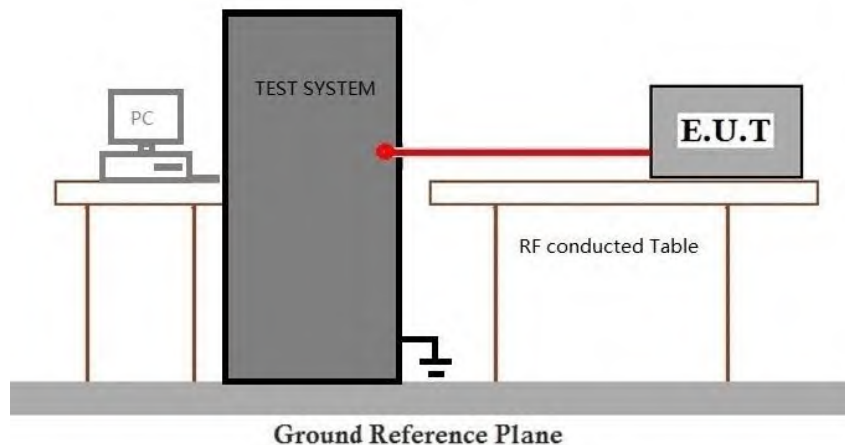
Humidity: 55.9 % RH

Atmospheric Pressure: 1001 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_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 802.11n20/n40/ac20/ax20, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.12 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.12.1 E.U.T. Operation

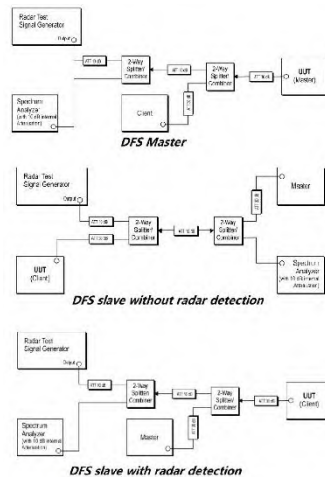
Operating Environment:

Temperature: 28.1 °C Humidity: 55.9 % RH Atmospheric Pressure: 1001 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	06	Normal operating_Keep the EUT communication with the companion device.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell(0.3ms) = S(12000ms) / B(4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C(ms) = N \times Dwell(0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



7.13 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.13.1 E.U.T. Operation

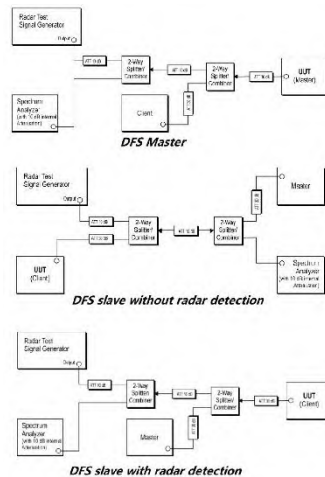
Operating Environment:

Temperature: 28.1 °C Humidity: 55.9 % RH Atmospheric Pressure: 1001 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	06	Normal operating_Keep the EUT communication with the companion device.

7.13.3 Test Setup Diagram



7.13.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell(0.3ms) = S(12000ms) / B(4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C(ms) = N \times Dwell(0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix_Photos of Test Setup for SUCR2604000344MO

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_External Photos for SUCR2604000344MO and Appendix_Internal Photos for SUCR2604000344MO