



Report No.: SUCR260500045305

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TEST REPORT

Application No.: SUCR2605000453AT
Applicant: Shanghai Sunmi Technology Co., Ltd.
Address of Applicant: Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China
Manufacturer: Shanghai Sunmi Technology Co., Ltd.
Address of Manufacturer: Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China
Equipment Under Test (EUT):
EUT Name: Cloud POS Printer
Model No.: NT320
Trade Mark: SUNMI
FCC ID: 2AH25NT320HP
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2026-05-19
Date of Test: 2026-06-10 to 2026-06-22
Date of Issue: 2026-06-24

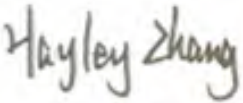
Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-06-24	/

Authorized for issue by:				
Prepared 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		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)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	On-board Antenna
Antenna Gain:	U-NII-1: 1.50dBi; U-NII-2A: 2.50dBi; U-NII-2C: 3.30dBi; U-NII-3: 3.50dBi (Provided by the manufacturer)

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	41-45.8%	
Value	Temperature(°C)	Voltage(V)
NTNV	21-26.7	3.70
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
Mouse	Lenovo	3D optical Mouse	N/A
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

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
5	Test Cable	Tonscend	NA	SUWI-01-03-04	2026/4/22	2027/4/21
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
7	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-13	2026/4/22	2027/4/21
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	2026/6/9	2029/6/8
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
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	NCR	NCR

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 On-board Antenna no consideration of replacement. The best case gain of the

U-NII-1: 1.50dBi;

U-NII-2A: 2.50dBi;

U-NII-2C: 3.30dBi;

U-NII-3: 3.50dBi

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

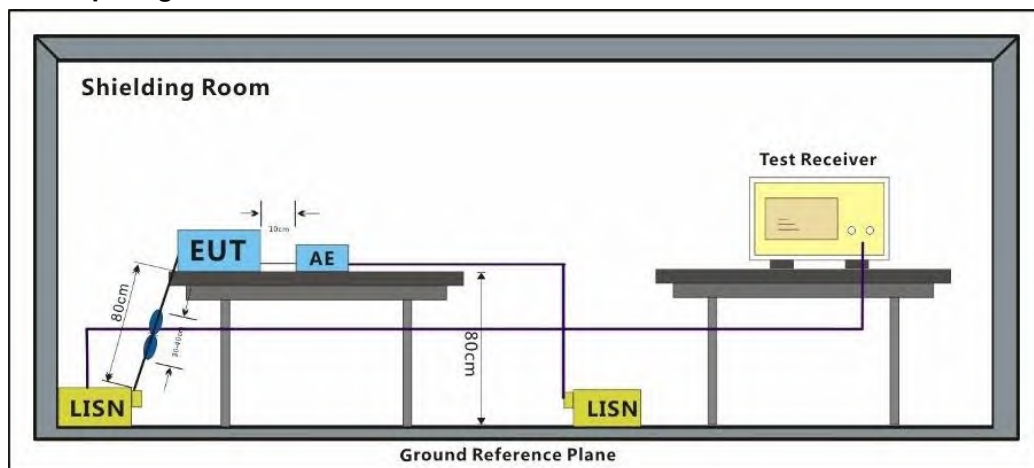
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



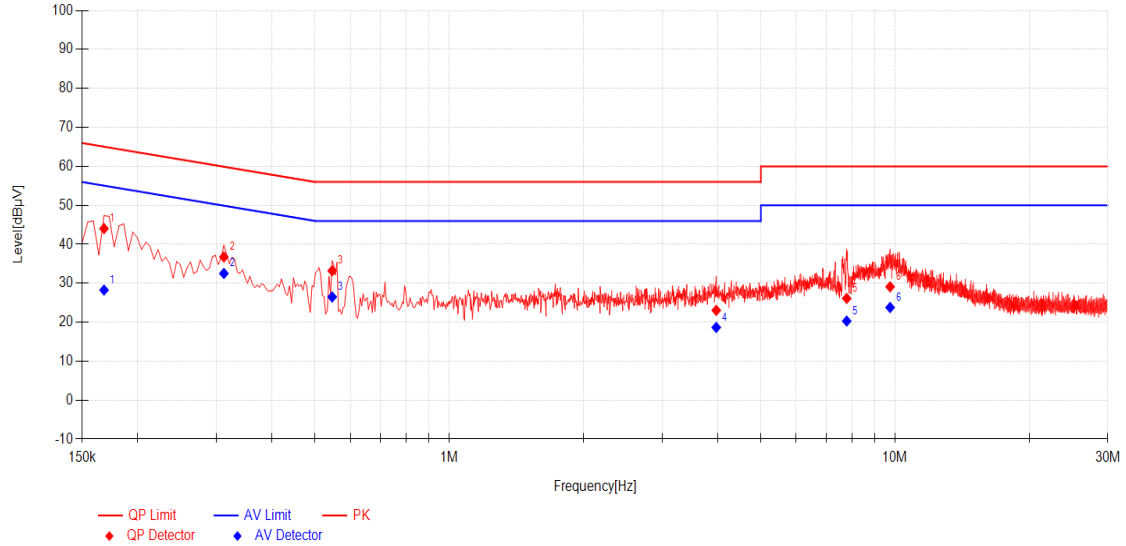
7.1.4 Measurement Procedure and Data

- 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.

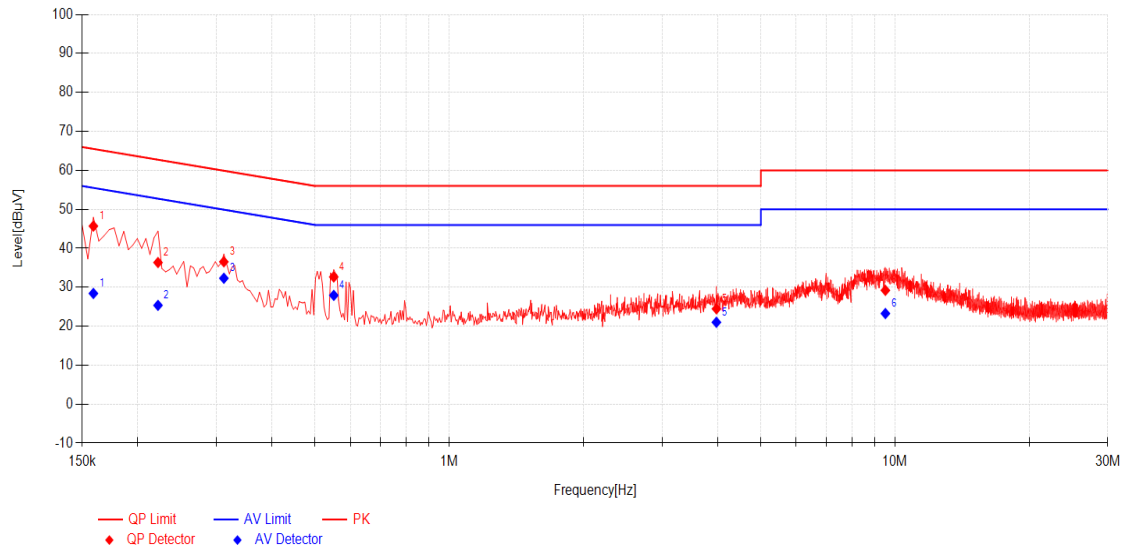
Test Mode: 04; Line: Live line



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	0.1680	9.78	34.26	44.04	65.06	21.02	18.48	28.26	55.06	26.80	PASS
2	0.3120	9.71	27.03	36.74	59.92	23.18	22.81	32.52	49.92	17.40	PASS
3	0.5460	9.73	23.48	33.21	56.00	22.79	16.76	26.49	46.00	19.51	PASS
4	3.9705	9.66	13.38	23.04	56.00	32.96	9.01	18.67	46.00	27.33	PASS
5	7.7910	9.65	16.46	26.11	60.00	33.89	10.65	20.30	50.00	29.70	PASS
6	9.7485	9.62	19.48	29.10	60.00	30.90	14.17	23.79	50.00	26.21	PASS

Test Mode: 04; 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	0.1590	9.78	35.93	45.71	65.52	19.81	18.64	28.42	55.52	27.10	PASS
2	0.2220	9.79	26.56	36.35	62.74	26.39	15.56	25.35	52.74	27.39	PASS
3	0.3120	9.73	26.81	36.54	59.92	23.38	22.59	32.32	49.92	17.60	PASS
4	0.5505	9.73	22.92	32.65	56.00	23.35	18.20	27.93	46.00	18.07	PASS
5	3.9750	9.68	14.78	24.46	56.00	31.54	11.33	21.01	46.00	24.99	PASS
6	9.5145	9.66	19.55	29.21	60.00	30.79	13.60	23.26	50.00	26.74	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

Measurement Distance: 3m

Limit:

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

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: 23 °C

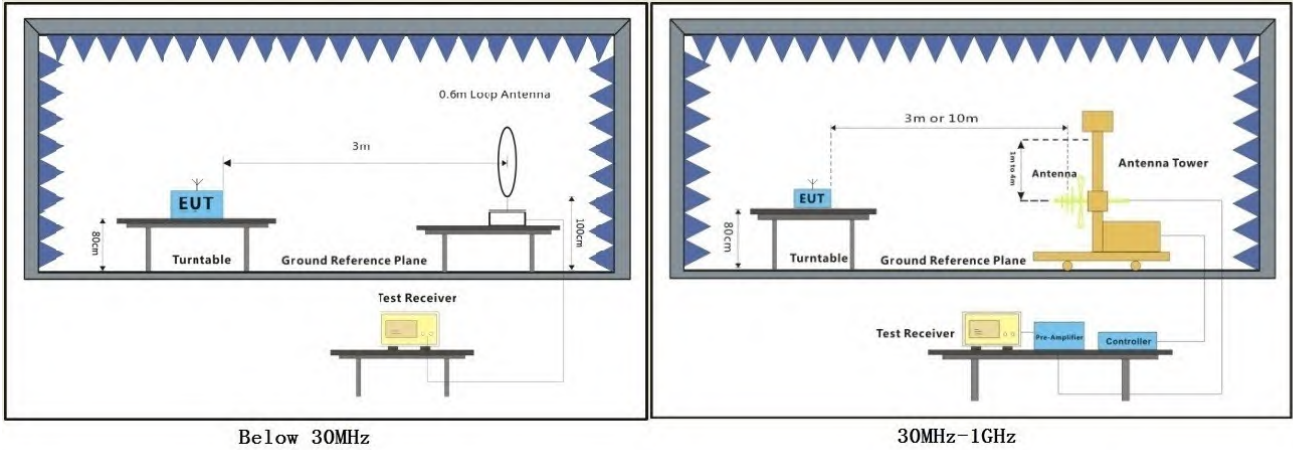
Humidity: 45 % RH

Atmospheric Pressure: 1001 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

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

Remark:

1. 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.

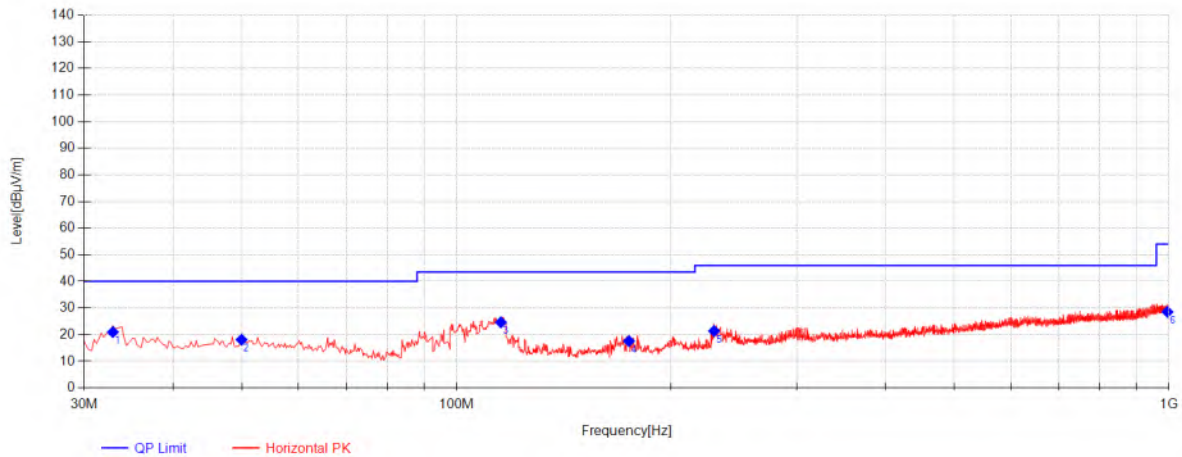
EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

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.

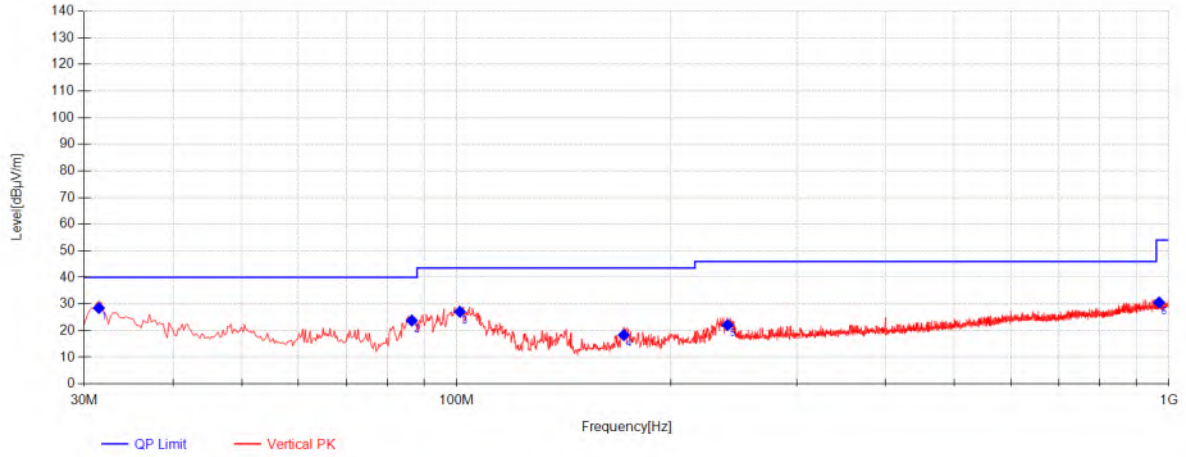
3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

Test Mode: 04; Polarity: Horizontal



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	32.91	45.2	17.09	-41.33	20.96	40.00	19.04	Horizontal
2	49.885	38.84	20.24	-40.98	18.10	40.00	21.90	Horizontal
3	115.36	47.4	17.34	-40.11	24.63	43.50	18.87	Horizontal
4	174.53	41.24	15.79	-39.44	17.59	43.50	25.91	Horizontal
5	229.82	42.79	17.58	-39.00	21.37	46.00	24.63	Horizontal
6	995.15	34.18	28.10	-33.74	28.54	54.00	25.46	Horizontal

Test Mode: 04; Polarity: Vertical



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	31.455	52.79	17.05	-41.36	28.48	40.00	11.52	Vertical
2	86.5025	48.96	15.30	-40.48	23.78	40.00	16.22	Vertical
3	101.0525	50.2	17.23	-40.37	27.06	43.50	16.44	Vertical
4	171.62	42.36	15.52	-39.52	18.36	43.50	25.14	Vertical
5	240.005	42.23	18.60	-38.73	22.10	46.00	23.90	Vertical
6	968.7175	36.67	27.70	-33.79	30.58	54.00	23.42	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

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

Remark:

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: 21 °C

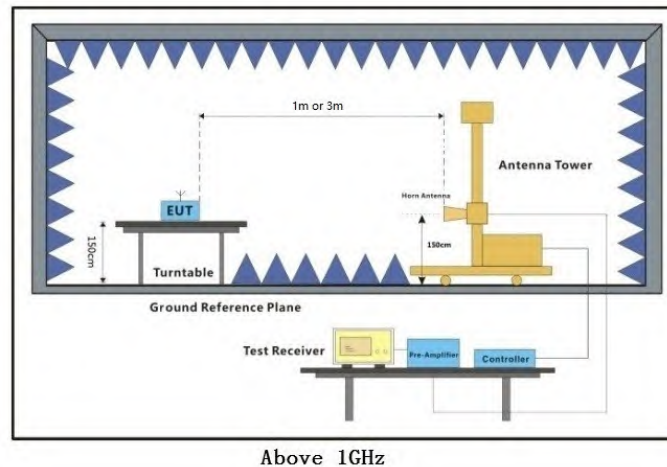
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Above 1GHz

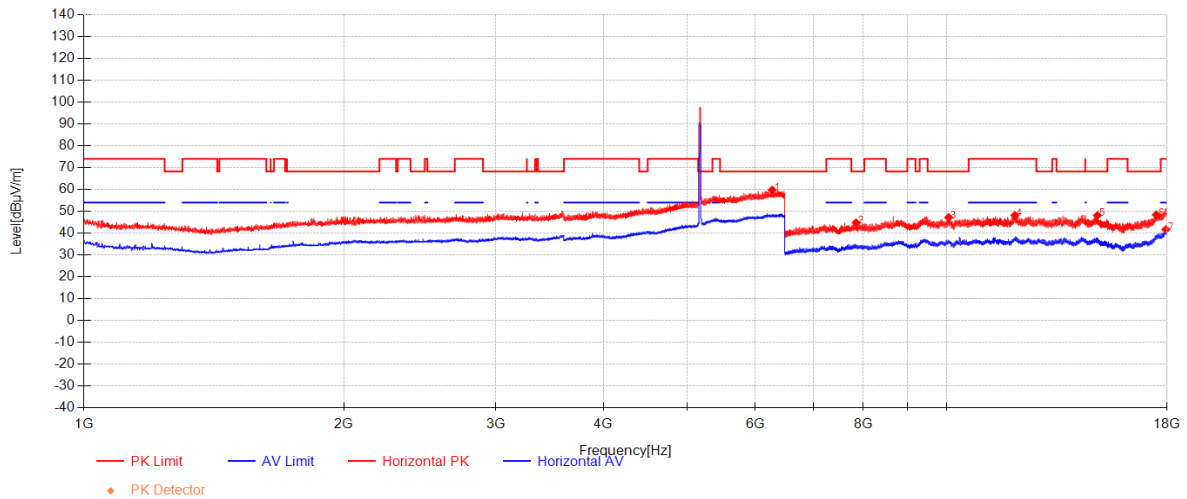
7.3.4 Measurement Procedure and Data

- 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:

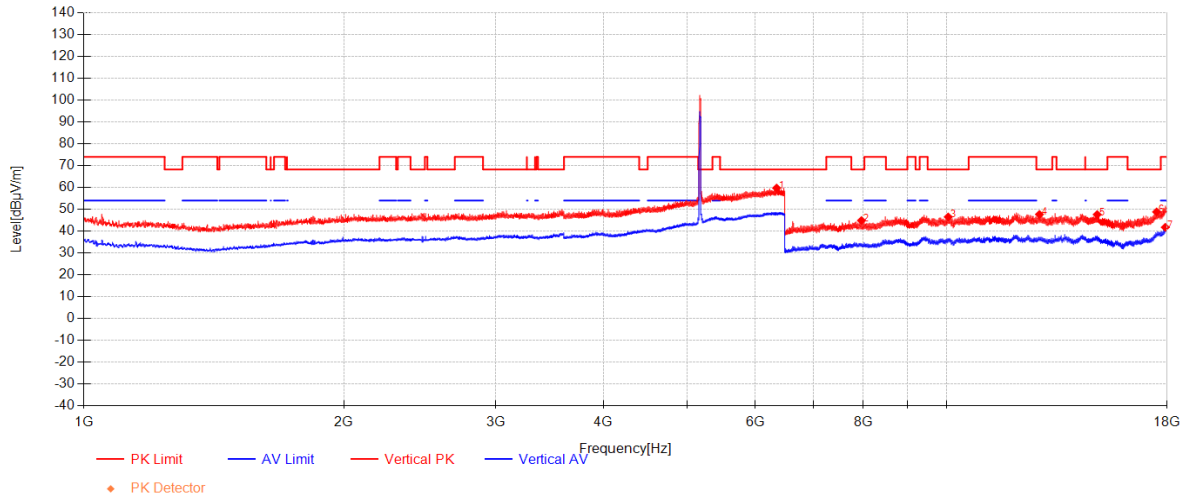
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, The points marked on below plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more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



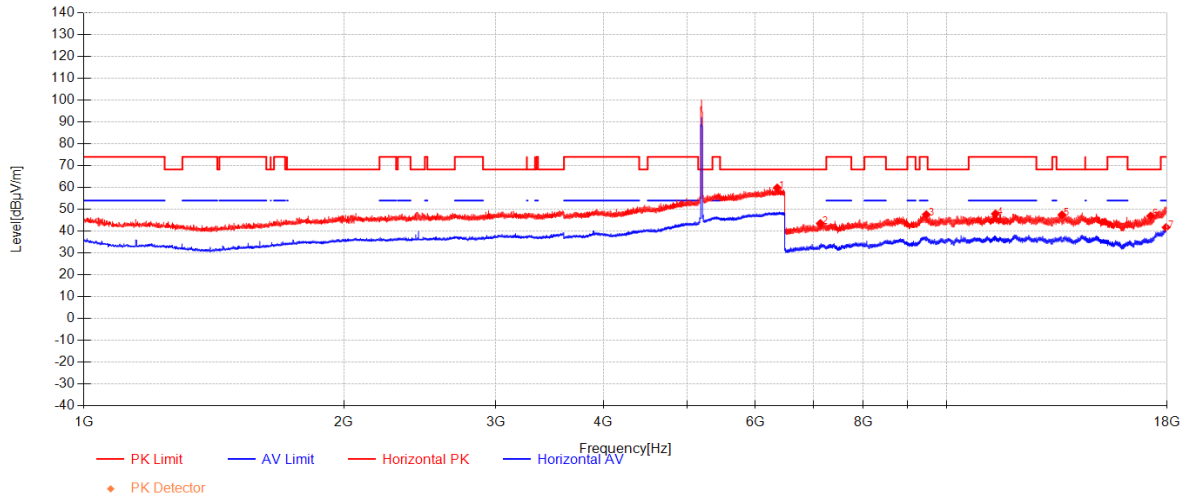
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6274.0769	42.17	33.84	-16.19	59.82	68.30	8.48	Horizontal
2	7848.8542	53.41	36.33	-44.93	44.81	68.30	23.49	Horizontal
3	10049.187	50.05	38.83	-41.69	47.20	68.30	21.10	Horizontal
4	11988.375	47.48	39.40	-38.72	48.16	74.00	25.84	Horizontal
5	14945.312	46.06	40.21	-38.17	48.10	68.30	20.20	Horizontal
6	17483.458	42.99	41.70	-36.30	48.39	68.30	19.91	Horizontal
7	17943.458	34.38	44.46	-37.14	41.70	54.00	12.30	Horizontal

11a_TX_CH_36_Vertical



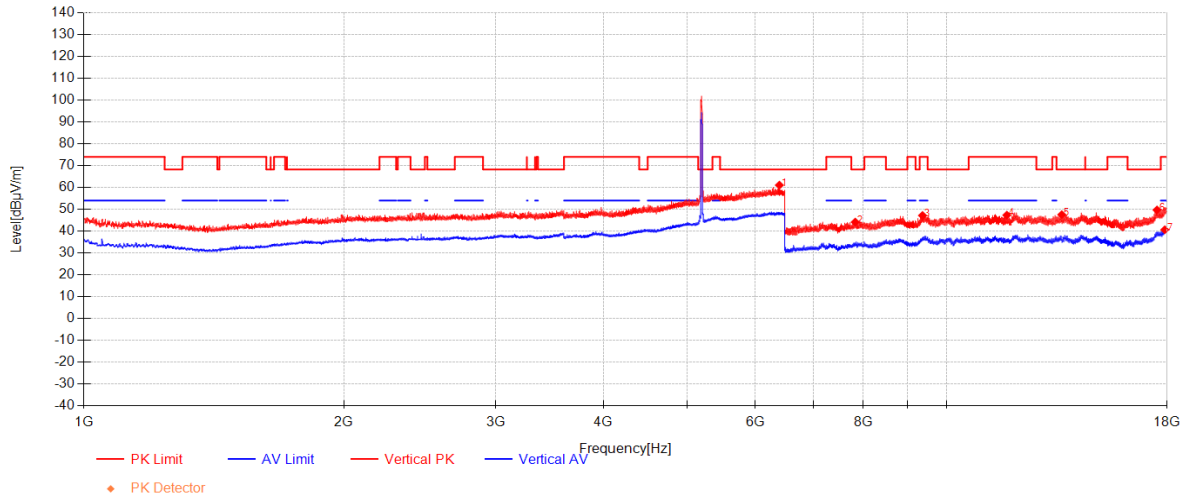
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6348.5385	41.84	34.12	-16.19	59.77	68.30	8.53	Vertical
2	7962.8958	53.09	36.31	-44.53	44.87	68.30	23.43	Vertical
3	10037.208	49.38	38.83	-41.70	46.51	68.30	21.79	Vertical
4	12803.916	48.00	38.92	-39.25	47.67	68.30	20.63	Vertical
5	14937.166	45.62	40.21	-38.21	47.62	68.30	20.68	Vertical
6	17505.020	43.15	41.83	-36.15	48.83	68.30	19.47	Vertical
7	17914.708	34.69	44.29	-37.22	41.76	54.00	12.24	Vertical

11a_TX_CH_40_Horizontal



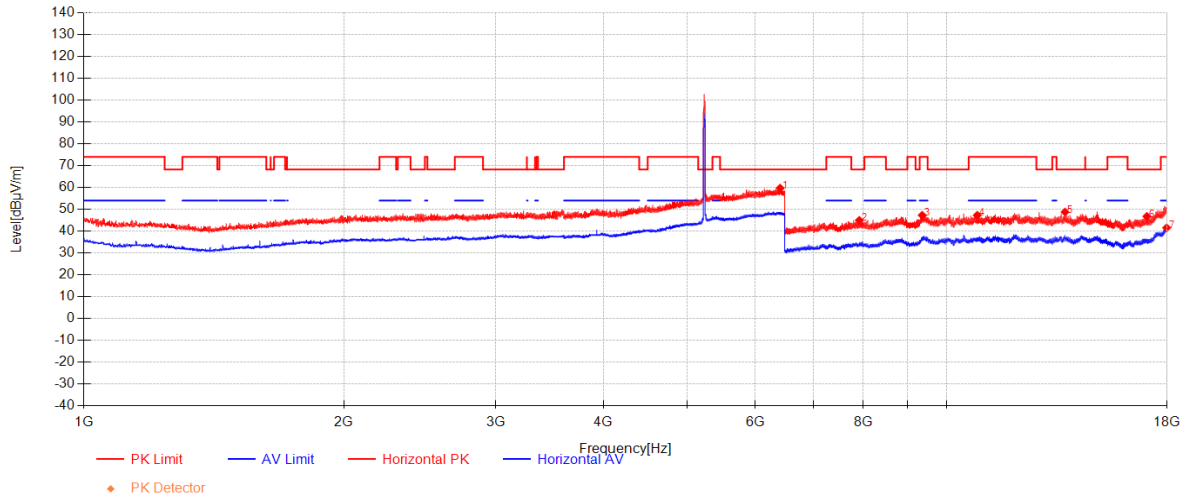
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6358.6923	41.87	34.16	-16.18	59.85	68.30	8.45	Horizontal
2	7135.375	53.68	35.74	-45.88	43.55	68.30	24.75	Horizontal
3	9466.0417	52.26	38.05	-42.70	47.61	74.00	26.39	Horizontal
4	11384.625	48.31	39.46	-39.82	47.95	74.00	26.05	Horizontal
5	13595.5	46.09	39.69	-38.31	47.47	68.30	20.83	Horizontal
6	17228.062	43.93	40.17	-37.15	46.95	68.30	21.35	Horizontal
7	17952.083	34.31	44.51	-37.11	41.71	54.00	12.29	Horizontal

11a_TX_CH_40_Vertical



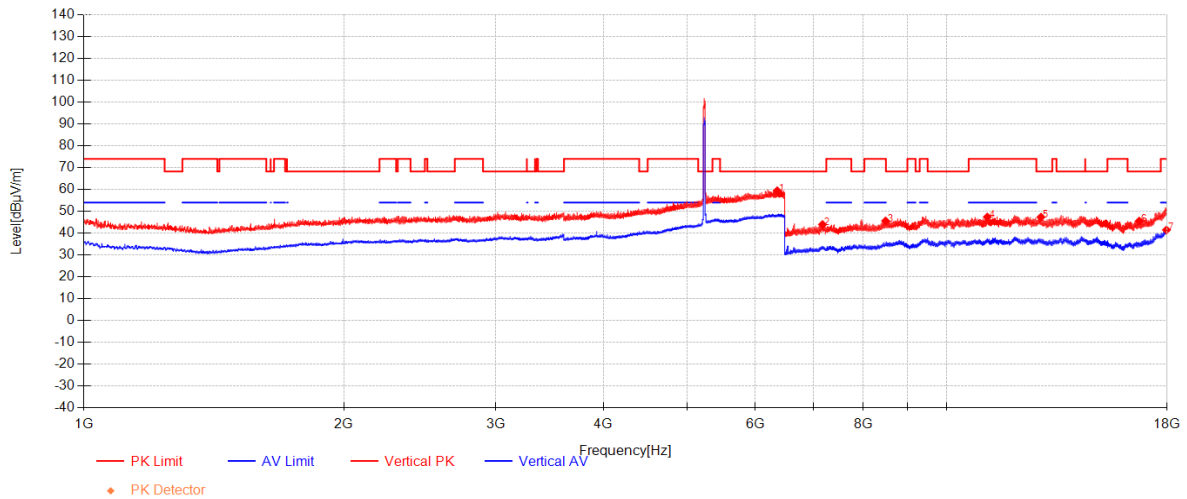
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6395.9231	42.93	34.30	-16.15	61.08	68.30	7.22	Vertical
2	7831.125	52.74	36.33	-44.92	44.15	68.30	24.15	Vertical
3	9370.6875	52.11	37.92	-42.85	47.18	74.00	26.82	Vertical
4	11737.291	47.56	39.43	-39.64	47.34	74.00	26.66	Vertical
5	13590.229	46.19	39.69	-38.35	47.53	68.30	20.77	Vertical
6	17522.270	44.03	41.93	-36.26	49.71	68.30	18.59	Vertical
7	17889.791	33.84	44.14	-37.34	40.64	54.00	13.36	Vertical

11a_TX_CH_48_Horizontal



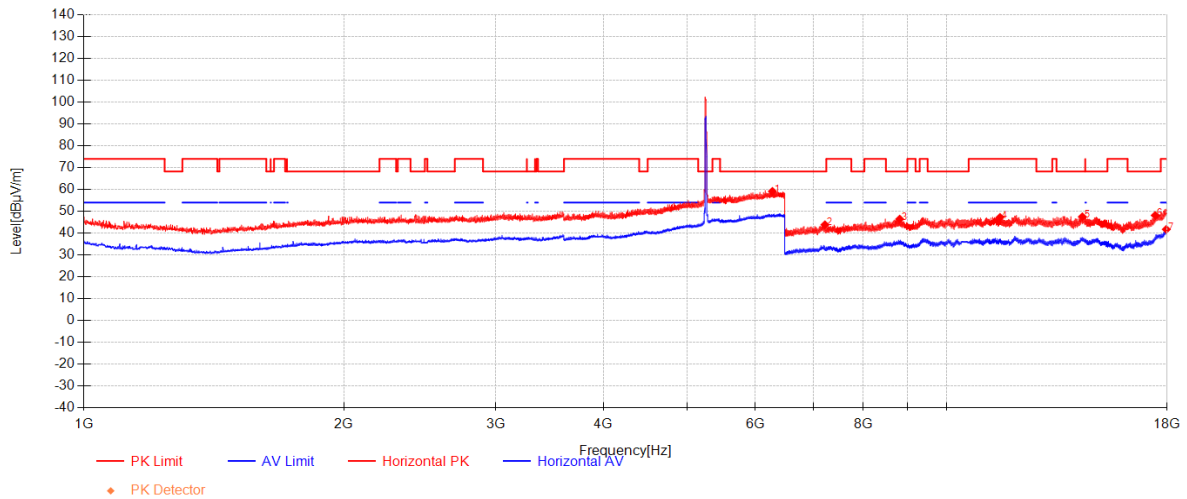
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6408.6154	41.57	34.35	-16.21	59.72	68.30	8.58	Horizontal
2	7916.4167	53.49	36.32	-44.86	44.95	68.30	23.35	Horizontal
3	9363.5	52.26	37.91	-42.86	47.31	74.00	26.69	Horizontal
4	10845.562	48.21	39.39	-40.32	47.28	74.00	26.72	Horizontal
5	13709.062	46.91	39.86	-38.00	48.77	68.30	19.53	Horizontal
6	17054.604	44.93	39.13	-37.27	46.79	68.30	21.51	Horizontal
7	17980.354	33.90	44.68	-37.04	41.55	54.00	12.45	Horizontal

11a_TX_CH_48_Vertical



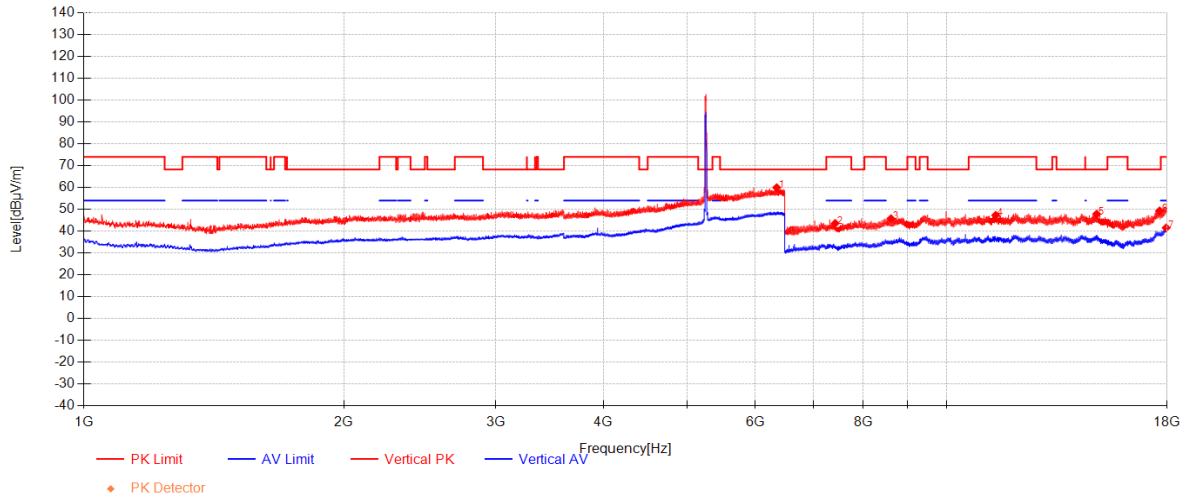
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6358.6923	41.48	34.16	-16.18	59.46	68.30	8.84	Vertical
2	7176.1042	53.76	35.82	-45.61	43.97	68.30	24.33	Vertical
3	8493.3333	52.48	36.84	-43.73	45.60	74.00	28.40	Vertical
4	11142.166	47.96	39.49	-40.04	47.40	74.00	26.60	Vertical
5	12857.104	47.28	38.89	-38.78	47.38	68.30	20.92	Vertical
6	16711.041	44.62	38.68	-37.74	45.56	68.30	22.74	Vertical
7	17971.729	33.91	44.63	-37.06	41.48	54.00	12.52	Vertical

11a_TX_CH_52_Horizontal



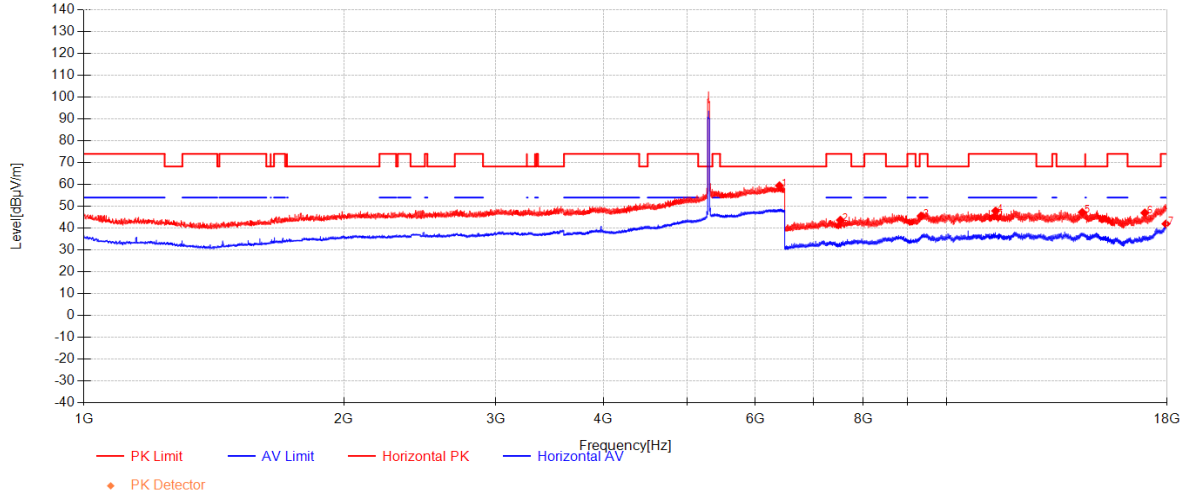
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6277.4615	41.51	33.85	-16.19	59.17	68.30	9.13	Horizontal
2	7223.0625	53.53	35.90	-45.58	43.85	68.30	24.45	Horizontal
3	8817.25	53.05	37.20	-43.81	46.44	68.30	21.86	Horizontal
4	11525.020	47.66	39.45	-39.87	47.24	74.00	26.76	Horizontal
5	14355.937	45.97	40.26	-38.74	47.49	68.30	20.81	Horizontal
6	17436.979	43.52	41.42	-36.81	48.13	68.30	20.17	Horizontal
7	17962.145	34.25	44.57	-37.09	41.74	54.00	12.26	Horizontal

11a_TX_CH_52_Vertical



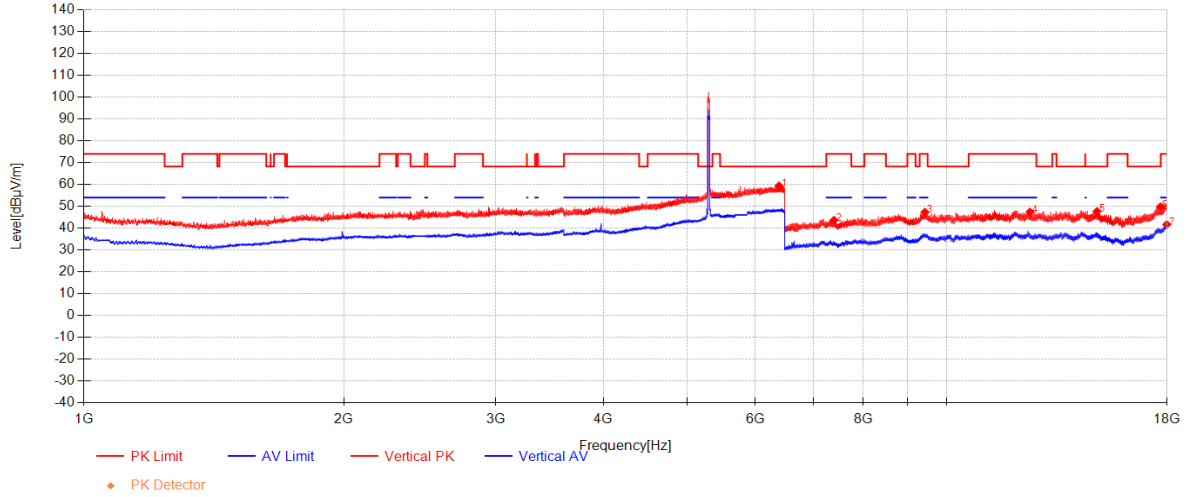
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6350.2308	42.03	34.13	-16.19	59.97	68.30	8.33	Vertical
2	7423.8333	53.03	36.26	-45.69	43.60	74.00	30.40	Vertical
3	8614.5625	52.83	36.98	-44.07	45.74	68.30	22.56	Vertical
4	11393.25	47.63	39.46	-39.76	47.33	74.00	26.67	Vertical
5	14918	45.95	40.21	-38.31	47.85	68.30	20.45	Vertical
6	17646.854	43.88	42.68	-37.25	49.32	68.30	18.98	Vertical
7	17955.437	34.09	44.53	-37.10	41.52	54.00	12.48	Vertical

11a_TX_CH_60_Horizontal



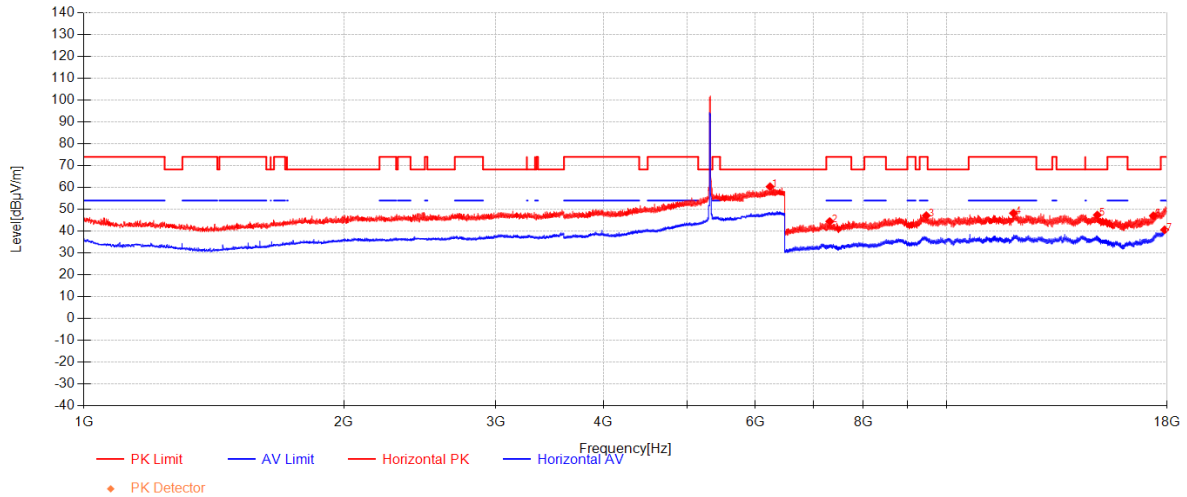
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6396.7692	41.31	34.31	-16.15	59.47	68.30	8.83	Horizontal
2	7527.8125	53.06	36.39	-45.77	43.69	74.00	30.31	Horizontal
3	9334.75	50.63	37.87	-42.89	45.60	74.00	28.40	Horizontal
4	11390.375	48.20	39.46	-39.78	47.88	74.00	26.12	Horizontal
5	14352.104	45.75	40.26	-38.74	47.27	68.30	21.03	Horizontal
6	16962.125	45.13	38.78	-36.90	47.01	68.30	21.29	Horizontal
7	17946.333	34.62	44.48	-37.13	41.97	54.00	12.03	Horizontal

11a_TX_CH_60_Vertical



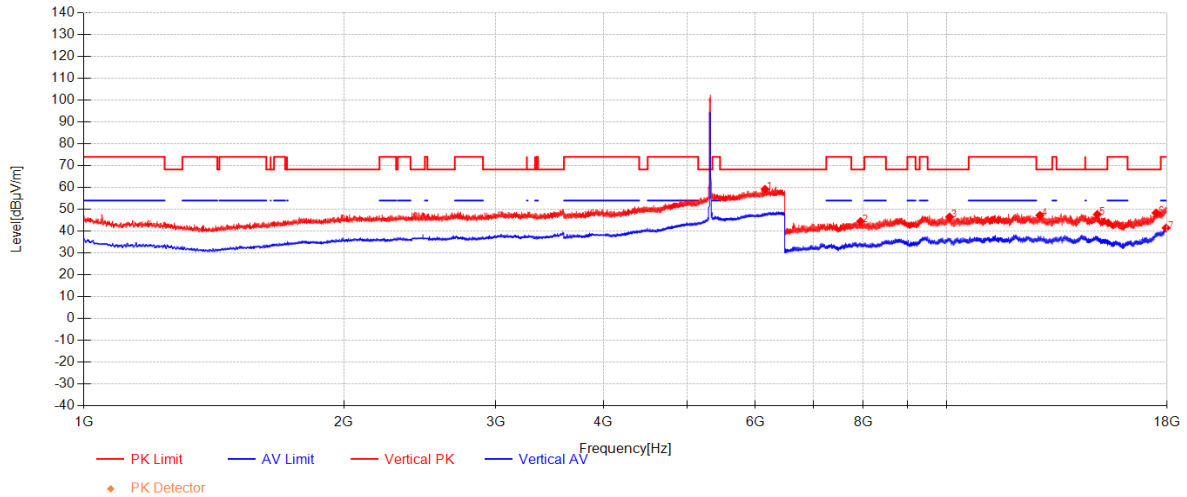
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6390	41.31	34.28	-16.16	59.43	68.30	8.87	Vertical
2	7398.4375	53.01	36.22	-45.57	43.66	74.00	30.34	Vertical
3	9432.0208	52.11	38.00	-42.76	47.36	74.00	26.64	Vertical
4	12483.833	47.04	39.11	-38.73	47.42	74.00	26.58	Vertical
5	14929.020	45.74	40.21	-38.25	47.70	68.30	20.60	Vertical
6	17680.875	44.53	42.89	-37.62	49.80	68.30	18.50	Vertical
7	17985.625	34.01	44.71	-37.02	41.70	54.00	12.30	Vertical

11a_TX_CH_64_Horizontal



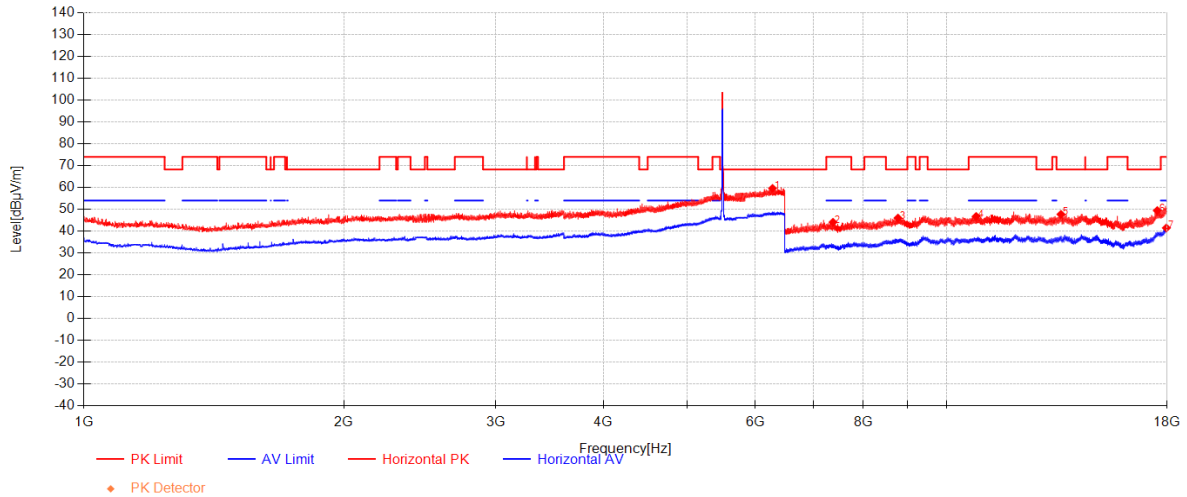
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6238.5385	42.83	33.71	-16.13	60.40	68.30	7.90	Horizontal
2	7316.0208	54.29	36.07	-45.94	44.42	74.00	29.58	Horizontal
3	9466.0417	51.78	38.05	-42.70	47.13	74.00	26.87	Horizontal
4	11945.729	48.13	39.41	-39.29	48.24	74.00	25.76	Horizontal
5	14943.395	45.35	40.21	-38.18	47.38	68.30	20.92	Horizontal
6	17353.604	43.27	40.92	-37.16	47.03	68.30	21.27	Horizontal
7	17883.562	33.90	44.10	-37.38	40.62	54.00	13.38	Horizontal

11a_TX_CH_64_Vertical



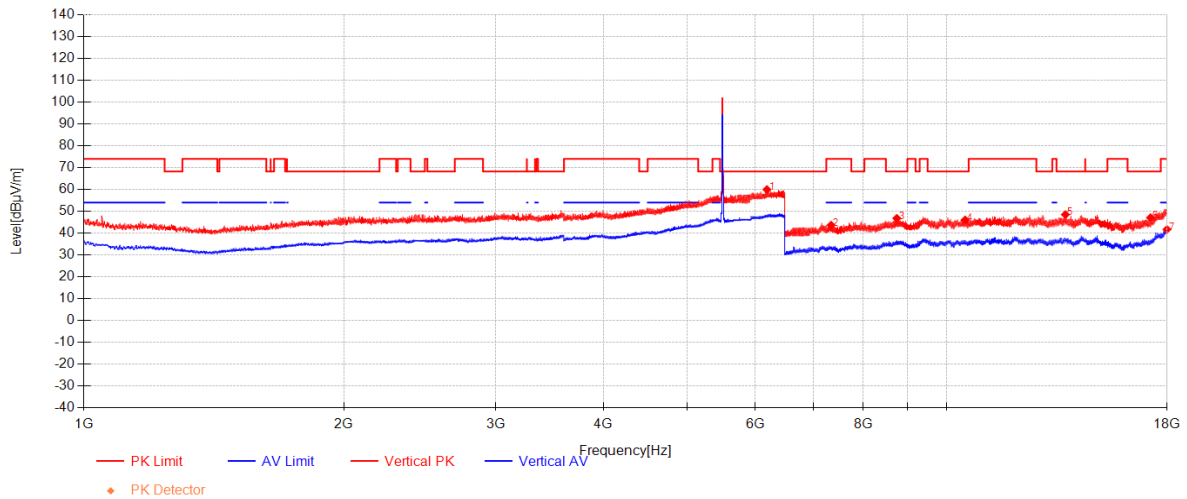
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6155.6154	42.07	33.39	-16.25	59.21	68.30	9.09	Vertical
2	7943.25	52.81	36.31	-44.67	44.45	68.30	23.85	Vertical
3	10074.104	49.33	38.85	-41.66	46.52	68.30	21.78	Vertical
4	12818.291	47.46	38.91	-39.12	47.25	68.30	21.05	Vertical
5	14942.437	45.63	40.21	-38.18	47.65	68.30	20.65	Vertical
6	17478.187	43.02	41.67	-36.36	48.33	68.30	19.97	Vertical
7	17953.041	34.05	44.52	-37.11	41.46	54.00	12.54	Vertical

11a_TX_CH_100_Horizontal



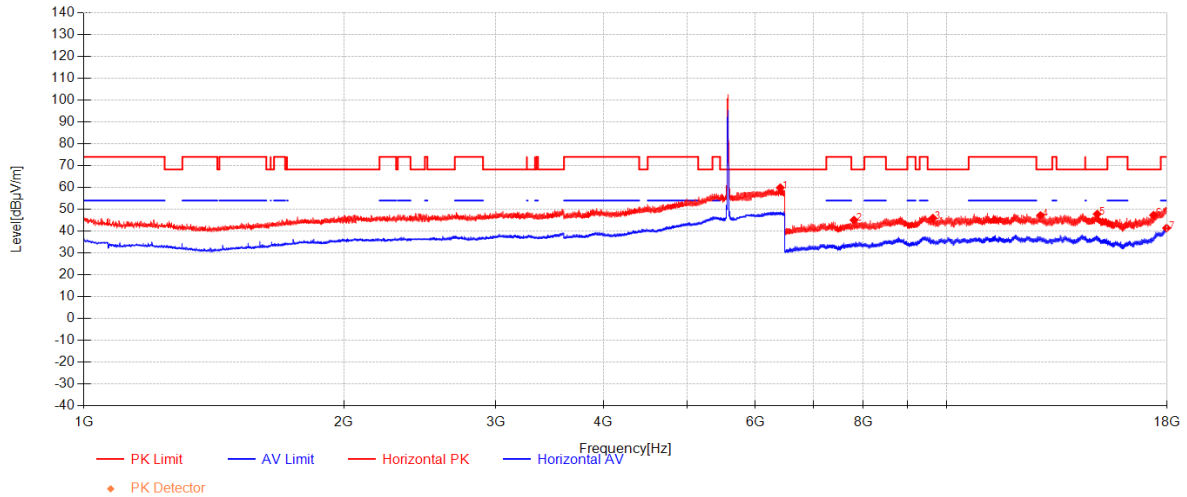
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6280	41.95	33.86	-16.20	59.62	68.30	8.68	Horizontal
2	7379.75	53.57	36.18	-45.65	44.10	74.00	29.90	Horizontal
3	8777.4792	52.70	37.16	-43.82	46.03	68.30	22.27	Horizontal
4	10813.458	47.80	39.37	-40.41	46.76	74.00	27.24	Horizontal
5	13560.041	46.62	39.64	-38.55	47.71	68.30	20.59	Horizontal
6	17535.687	43.76	42.01	-36.34	49.44	68.30	18.86	Horizontal
7	17967.895	33.94	44.61	-37.07	41.48	54.00	12.52	Horizontal

11a_TX_CH_100_Vertical



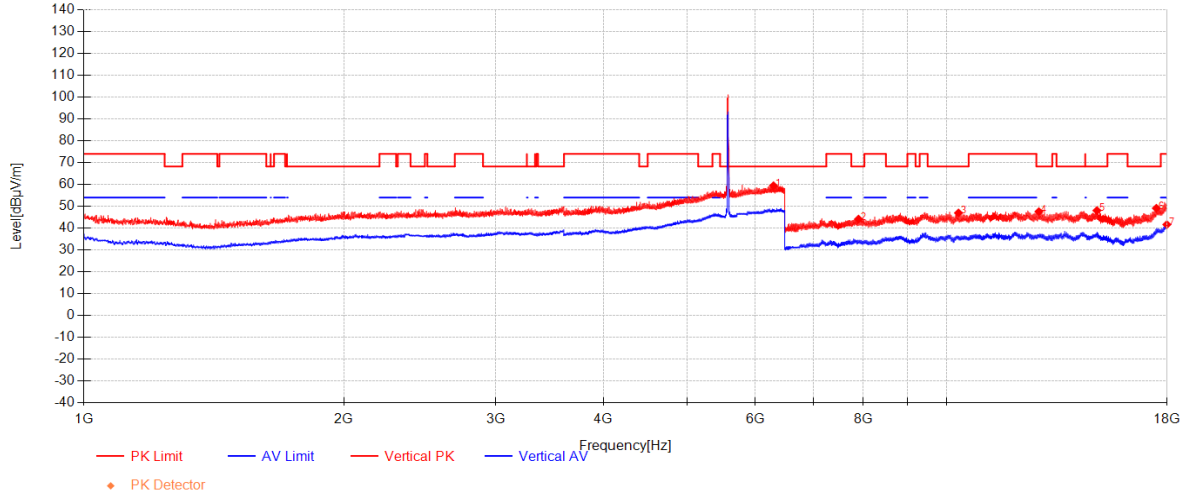
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6186.5	42.62	33.51	-16.13	60.00	68.30	8.30	Vertical
2	7341.8958	53.39	36.12	-45.82	43.68	74.00	30.32	Vertical
3	8750.1667	53.46	37.13	-43.78	46.81	68.30	21.49	Vertical
4	10500.562	47.48	39.15	-40.57	46.06	68.30	22.24	Vertical
5	13721.041	46.70	39.88	-38.07	48.51	68.30	19.79	Vertical
6	17221.354	44.12	40.13	-37.16	47.09	68.30	21.21	Vertical
7	17994.25	33.94	44.77	-37.00	41.71	54.00	12.29	Vertical

11a_TX_CH_116_Horizontal



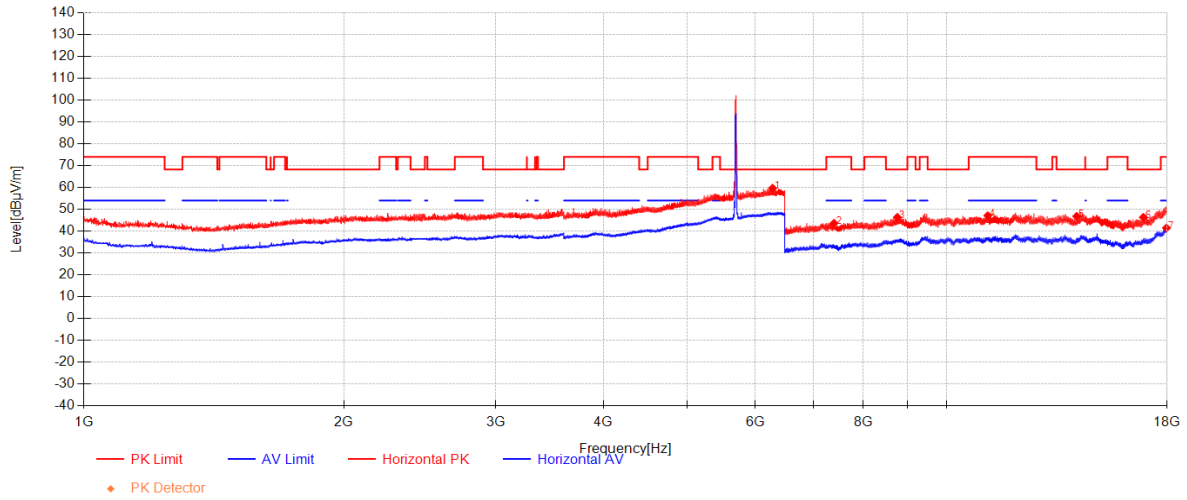
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6411.1538	41.78	34.36	-16.22	59.92	68.30	8.38	Horizontal
2	7805.7292	53.64	36.34	-44.90	45.07	68.30	23.23	Horizontal
3	9634.2292	49.61	38.29	-41.91	45.99	68.30	22.31	Horizontal
4	12840.333	47.23	38.90	-38.93	47.20	68.30	21.10	Horizontal
5	14938.125	45.83	40.21	-38.21	47.83	68.30	20.47	Horizontal
6	17361.270	43.53	40.97	-37.17	47.33	68.30	20.97	Horizontal
7	17975.562	33.83	44.65	-37.05	41.43	54.00	12.57	Horizontal

11a_TX_CH_116_Vertical



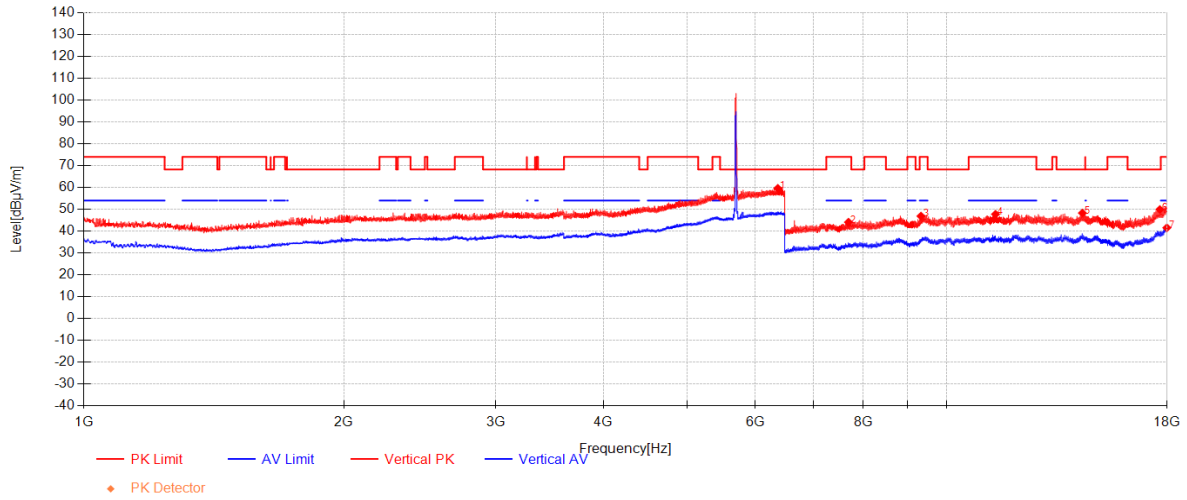
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6296.5	41.74	33.93	-16.22	59.44	68.30	8.86	Vertical
2	7899.6458	52.79	36.32	-44.97	44.14	68.30	24.16	Vertical
3	10315.604	49.06	39.02	-41.11	46.97	68.30	21.33	Vertical
4	12784.75	47.88	38.93	-39.24	47.57	68.30	20.73	Vertical
5	14926.625	46.14	40.21	-38.26	48.08	68.30	20.22	Vertical
6	17492.562	43.57	41.76	-36.20	49.12	68.30	19.18	Vertical
7	17990.416	33.90	44.74	-37.01	41.64	54.00	12.36	Vertical

11a_TX_CH_140_Horizontal



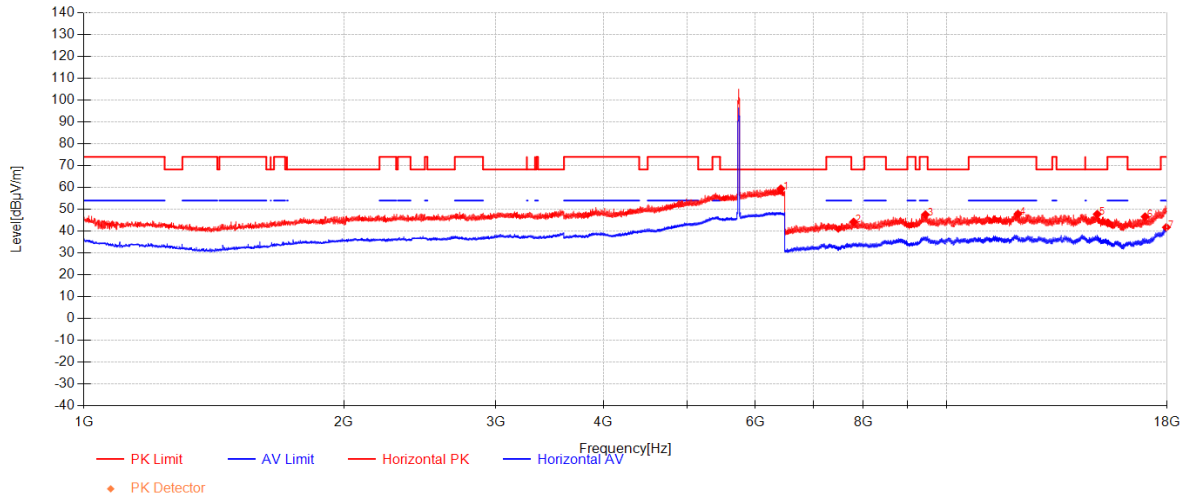
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6281.2692	42.04	33.87	-16.20	59.71	68.30	8.59	Horizontal
2	7400.3542	52.98	36.22	-45.56	43.64	74.00	30.36	Horizontal
3	8763.1042	53.02	37.14	-43.80	46.36	68.30	21.94	Horizontal
4	11154.145	47.68	39.48	-40.02	47.14	74.00	26.86	Horizontal
5	14143.187	45.02	40.29	-38.49	46.82	68.30	21.48	Horizontal
6	16894.562	44.64	38.76	-37.05	46.35	68.30	21.95	Horizontal
7	17970.770	33.90	44.62	-37.06	41.46	54.00	12.54	Horizontal

11a_TX_CH_140_Vertical



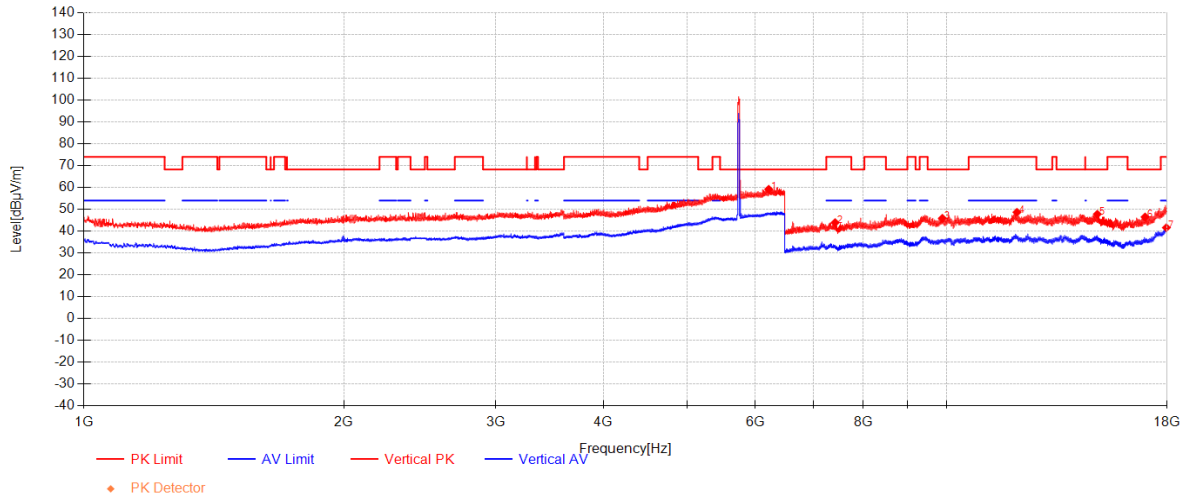
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6368.8462	41.59	34.20	-16.17	59.62	68.30	8.68	Vertical
2	7691.2083	52.86	36.36	-45.12	44.10	74.00	29.90	Vertical
3	9334.2708	51.92	37.87	-42.90	46.89	74.00	27.11	Vertical
4	11387.979	48.08	39.46	-39.80	47.74	74.00	26.26	Vertical
5	14360.729	46.76	40.26	-38.74	48.29	68.30	20.01	Vertical
6	17655.958	44.52	42.74	-37.35	49.91	68.30	18.39	Vertical
7	17990.416	33.82	44.74	-37.01	41.56	54.00	12.44	Vertical

11a_TX_CH_149_Horizontal



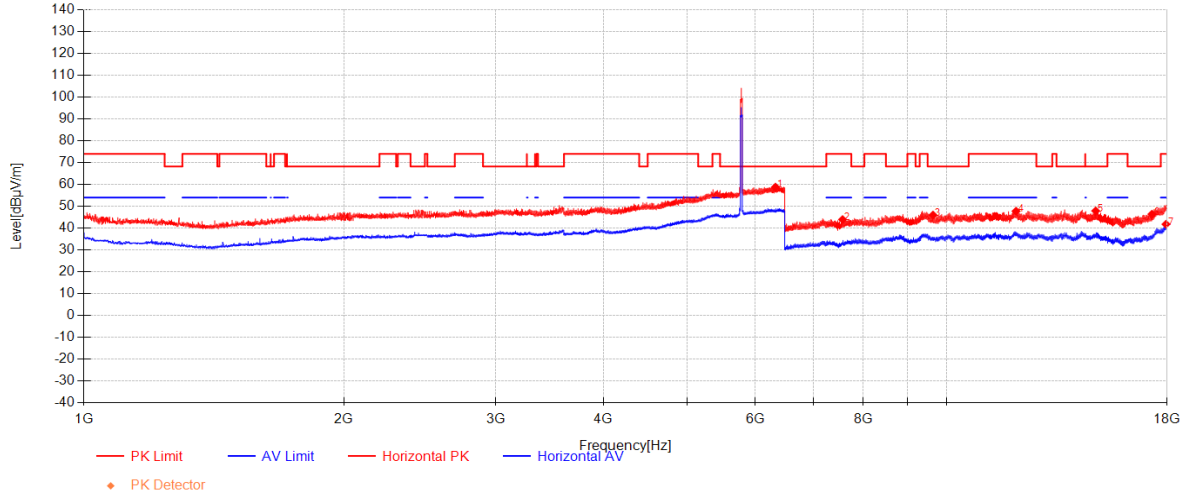
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6420.8846	41.33	34.40	-16.29	59.44	68.30	8.86	Horizontal
2	7797.5833	52.76	36.34	-44.91	44.19	68.30	24.11	Horizontal
3	9444	52.29	38.02	-42.74	47.57	74.00	26.43	Horizontal
4	12089.479	47.84	39.35	-39.31	47.87	74.00	26.13	Horizontal
5	14941	45.77	40.21	-38.19	47.78	68.30	20.52	Horizontal
6	16976.020	44.70	38.79	-36.88	46.61	68.30	21.69	Horizontal
7	17967.416	34.23	44.60	-37.07	41.76	54.00	12.24	Horizontal

11a_TX_CH_149_Vertical



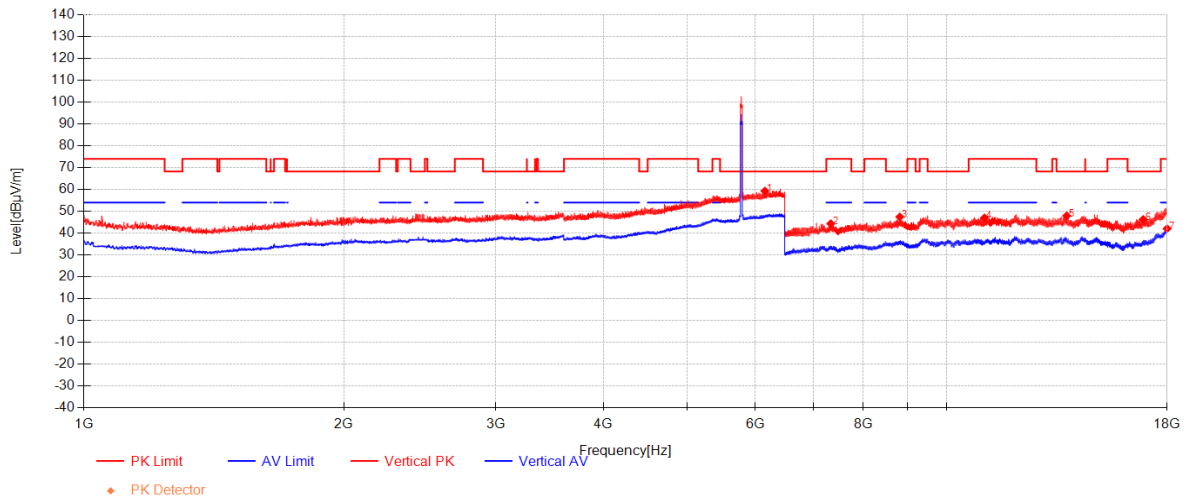
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6216.1154	41.68	33.62	-16.10	59.21	68.30	9.09	Vertical
2	7421.4375	53.34	36.26	-45.68	43.92	74.00	30.08	Vertical
3	9881	49.13	38.63	-41.85	45.91	68.30	22.39	Vertical
4	12058.333	48.34	39.37	-39.05	48.66	74.00	25.34	Vertical
5	14942.437	45.77	40.21	-38.18	47.79	68.30	20.51	Vertical
6	16974.583	44.60	38.79	-36.88	46.51	68.30	21.79	Vertical
7	17966.937	34.07	44.60	-37.07	41.60	54.00	12.40	Vertical

11a_TX_CH_157_Horizontal



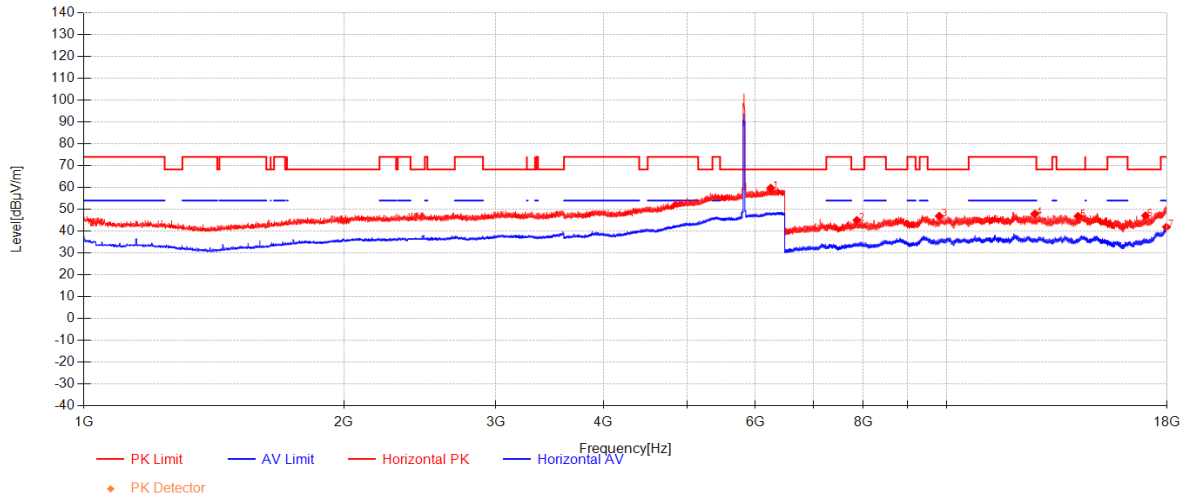
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6329.0769	41.00	34.05	-16.21	58.84	68.30	9.46	Horizontal
2	7570.9375	52.80	36.39	-45.24	43.95	74.00	30.05	Horizontal
3	9637.5833	49.64	38.29	-41.93	46.00	68.30	22.30	Horizontal
4	12030.541	47.21	39.38	-38.82	47.78	74.00	26.22	Horizontal
5	14879.187	45.92	40.21	-38.22	47.91	68.30	20.39	Horizontal
6	17289.875	42.99	40.54	-37.12	46.41	68.30	21.89	Horizontal
7	17946.812	34.46	44.48	-37.13	41.81	54.00	12.19	Horizontal

11a_TX_CH_157_Vertical



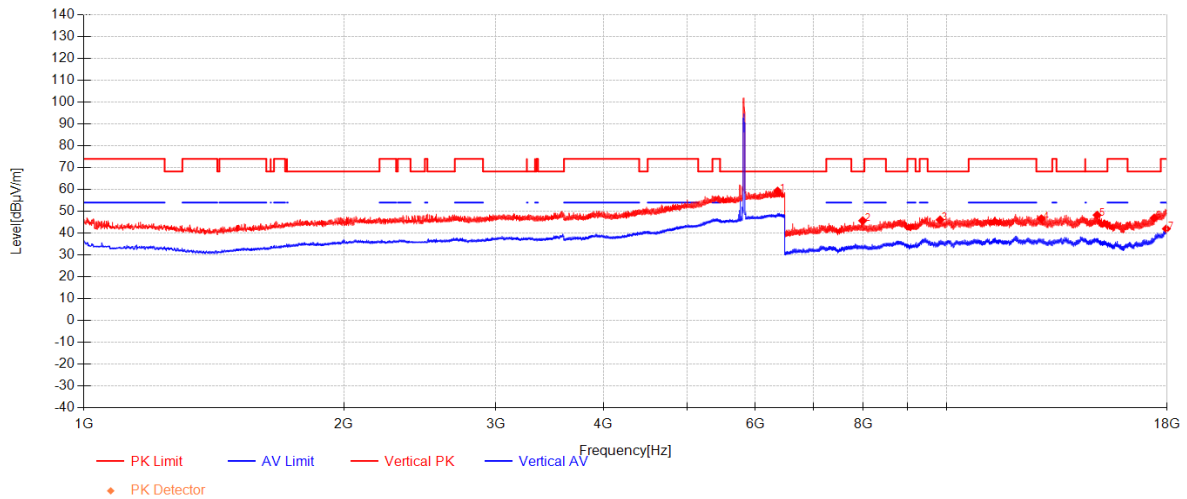
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6153.5	42.18	33.38	-16.26	59.30	68.30	9.00	Vertical
2	7335.6667	54.08	36.10	-45.85	44.33	74.00	29.67	Vertical
3	8820.125	54.06	37.20	-43.80	47.46	68.30	20.84	Vertical
4	11055.437	47.80	39.49	-40.29	47.00	74.00	27.00	Vertical
5	13770.395	46.36	39.96	-38.35	47.96	68.30	20.34	Vertical
6	16884.5	44.64	38.75	-37.13	46.27	68.30	22.03	Vertical
7	18000	34.26	44.80	-36.98	42.08	54.00	11.92	Vertical

11a_TX_CH_165_Horizontal



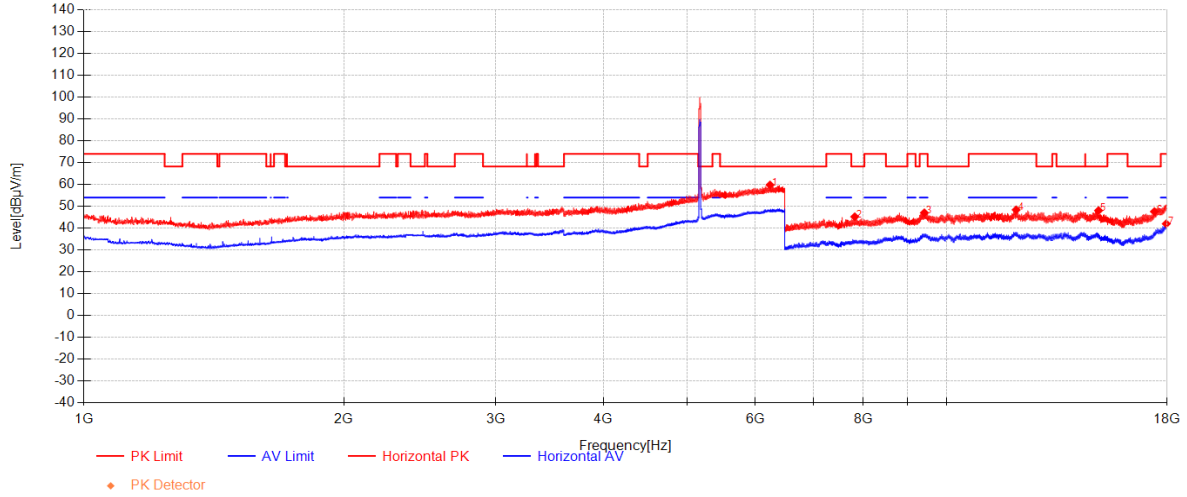
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6249.9615	42.17	33.75	-16.15	59.77	68.30	8.53	Horizontal
2	7866.1042	53.59	36.33	-44.95	44.97	68.30	23.33	Horizontal
3	9800.0208	50.41	38.52	-42.04	46.89	68.30	21.41	Horizontal
4	12645.312	48.06	39.01	-39.20	47.87	74.00	26.13	Horizontal
5	14190.145	44.74	40.28	-38.21	46.81	68.30	21.49	Horizontal
6	16991.833	45.14	38.80	-36.85	47.08	68.30	21.22	Horizontal
7	17967.416	34.35	44.60	-37.07	41.88	54.00	12.12	Horizontal

11a_TX_CH_165_Vertical



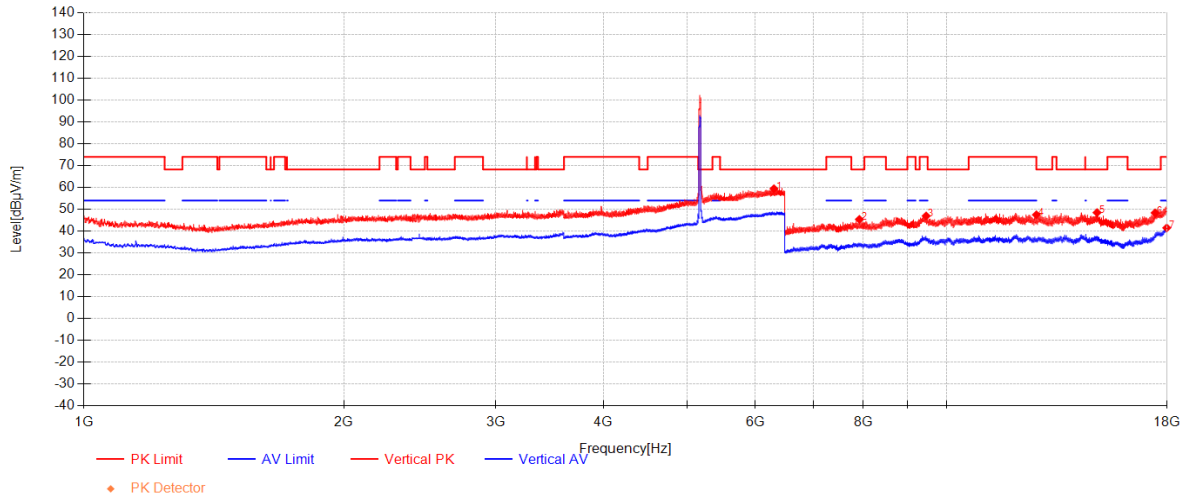
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6365.4615	41.32	34.19	-16.18	59.33	68.30	8.97	Vertical
2	7988.7708	53.77	36.30	-44.35	45.72	68.30	22.58	Vertical
3	9821.1042	49.55	38.55	-41.99	46.11	68.30	22.19	Vertical
4	12869.083	46.39	38.88	-38.68	46.59	68.30	21.71	Vertical
5	14933.333	46.30	40.21	-38.23	48.28	68.30	20.02	Vertical
6	17385.229	43.01	41.11	-37.20	46.93	68.30	21.37	Vertical
7	17965.020	34.49	44.59	-37.08	42.00	54.00	12.00	Vertical

11ax(HE20)_TX_CH_36_Horizontal



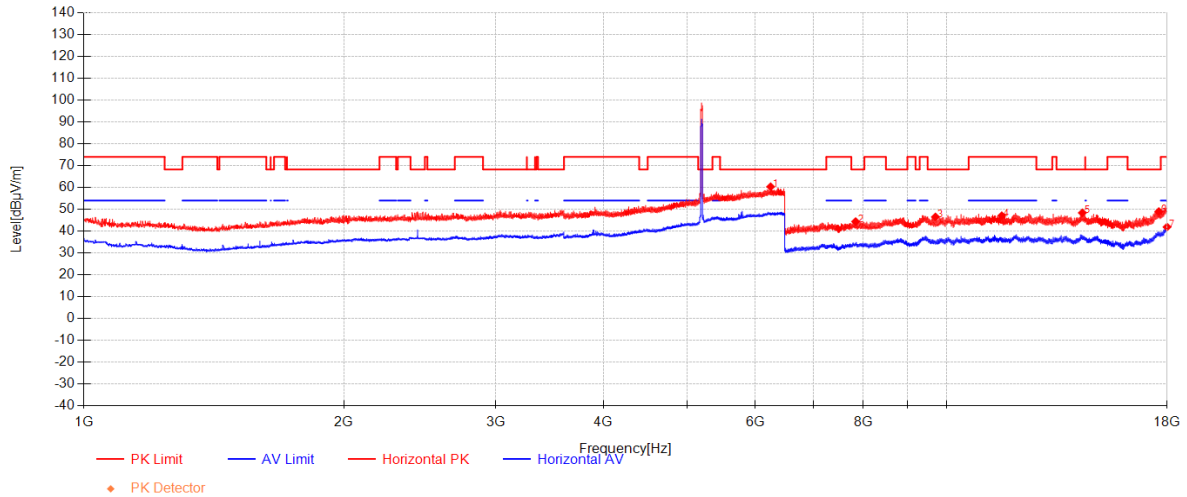
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6238.5385	42.22	33.71	-16.13	59.79	68.30	8.51	Horizontal
2	7821.0625	53.81	36.34	-44.91	45.23	68.30	23.07	Horizontal
3	9417.6458	51.84	37.98	-42.78	47.04	74.00	26.96	Horizontal
4	12031.5	47.84	39.38	-38.82	48.40	74.00	25.60	Horizontal
5	14992.75	45.80	40.20	-37.93	48.07	68.30	20.23	Horizontal
6	17402	43.56	41.21	-37.19	47.58	68.30	20.72	Horizontal
7	17960.708	34.54	44.56	-37.09	42.01	54.00	11.99	Horizontal

11ax(HE20)_TX_CH_36_Vertical



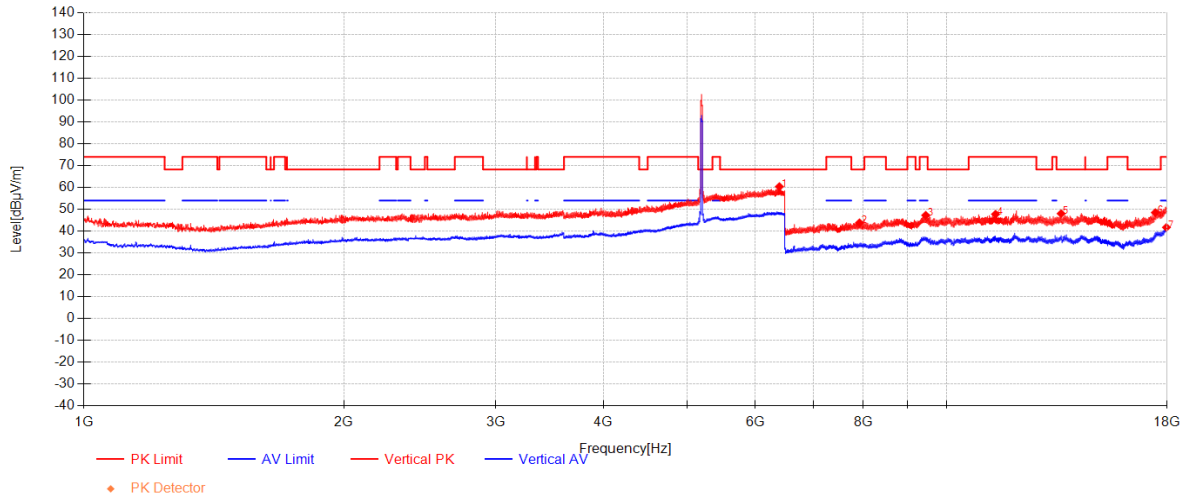
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6303.6923	41.73	33.95	-16.23	59.46	68.30	8.84	Vertical
2	7919.2917	53.92	36.32	-44.83	45.40	68.30	22.90	Vertical
3	9462.6875	51.63	38.05	-42.71	46.97	74.00	27.03	Vertical
4	12699.458	47.54	38.98	-39.01	47.51	74.00	26.49	Vertical
5	14931.895	46.54	40.21	-38.24	48.51	68.30	19.79	Vertical
6	17434.583	43.80	41.41	-36.83	48.37	68.30	19.93	Vertical
7	17984.187	33.82	44.71	-37.02	41.50	54.00	12.50	Vertical

11ax(HE20)_TX_CH_40_Horizontal



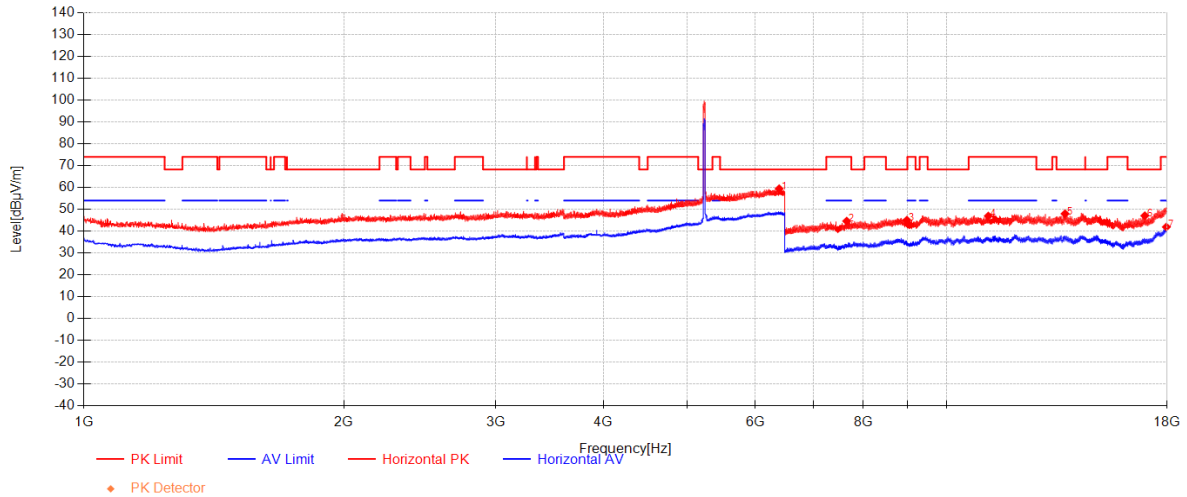
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6248.2692	42.75	33.74	-16.15	60.35	68.30	7.95	Horizontal
2	7840.2292	52.97	36.33	-44.93	44.37	68.30	23.93	Horizontal
3	9700.8333	50.40	38.38	-42.26	46.52	68.30	21.78	Horizontal
4	11578.208	47.02	39.44	-39.41	47.05	74.00	26.95	Horizontal
5	14358.333	46.88	40.26	-38.74	48.40	68.30	19.90	Horizontal
6	17606.604	43.31	42.44	-36.80	48.95	68.30	19.35	Horizontal
7	18000	34.08	44.80	-36.98	41.90	54.00	12.10	Horizontal

11ax(HE20)_TX_CH_40_Vertical



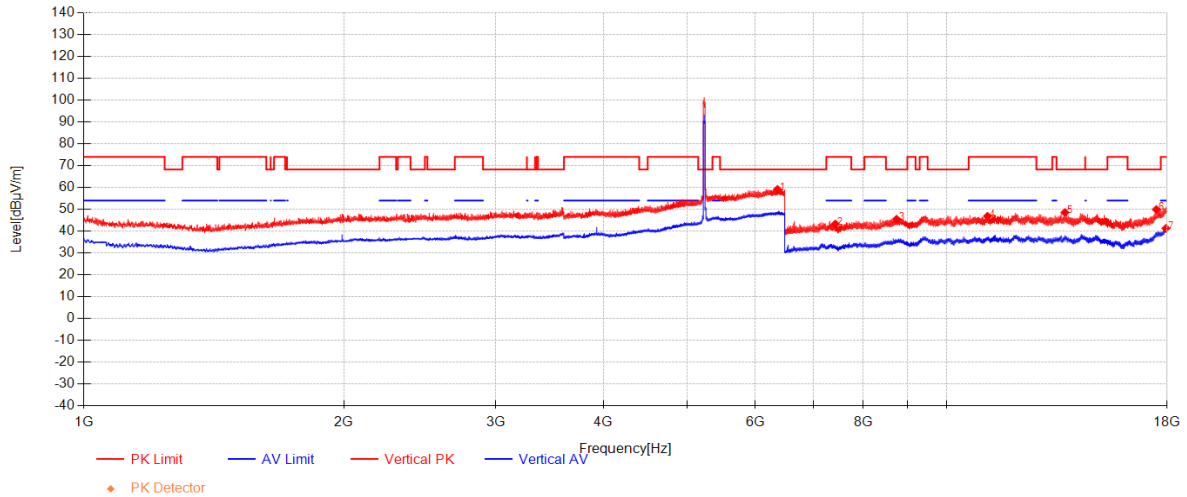
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6396.3462	42.26	34.31	-16.15	60.41	68.30	7.89	Vertical
2	7920.7292	52.31	36.32	-44.82	43.80	68.30	24.50	Vertical
3	9452.1458	51.94	38.03	-42.73	47.25	74.00	26.75	Vertical
4	11387.979	48.10	39.46	-39.80	47.76	74.00	26.24	Vertical
5	13566.75	46.90	39.65	-38.51	48.04	68.30	20.26	Vertical
6	17444.645	43.77	41.47	-36.72	48.51	68.30	19.79	Vertical
7	17969.333	34.16	44.62	-37.07	41.71	54.00	12.29	Vertical

11ax(HE20)_TX_CH_48_Horizontal



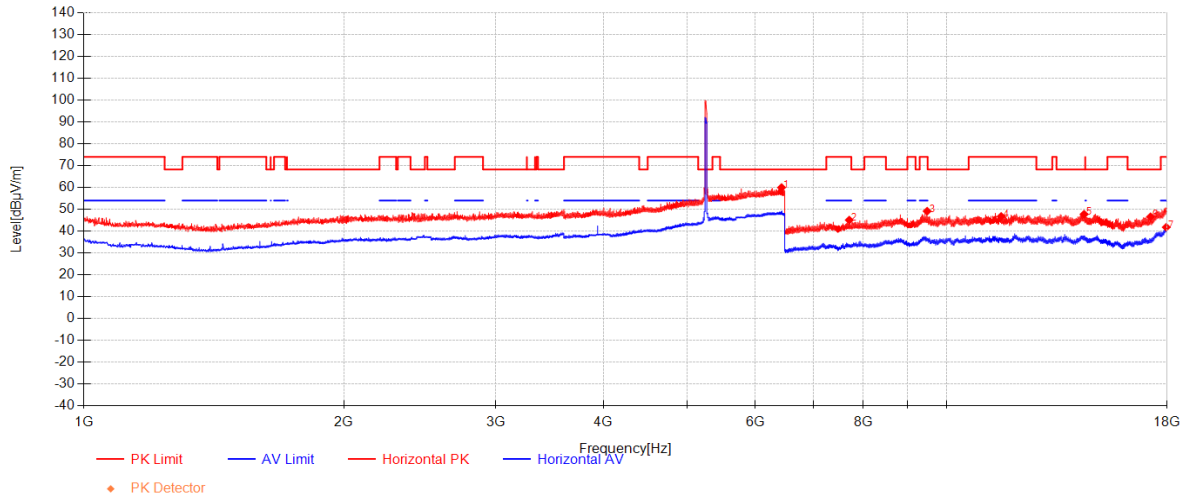
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6392.1154	41.31	34.29	-16.16	59.44	68.30	8.86	Horizontal
2	7654.3125	53.26	36.37	-45.02	44.61	74.00	29.39	Horizontal
3	8988.3125	51.28	37.39	-43.62	45.05	68.30	23.25	Horizontal
4	11170.437	47.45	39.48	-40.00	46.94	74.00	27.06	Horizontal
5	13709.062	46.11	39.86	-38.00	47.97	68.30	20.33	Horizontal
6	16961.166	45.20	38.78	-36.91	47.08	68.30	21.22	Horizontal
7	17965.979	34.40	44.60	-37.08	41.92	54.00	12.08	Horizontal

11ax(HE20)_TX_CH_48_Vertical



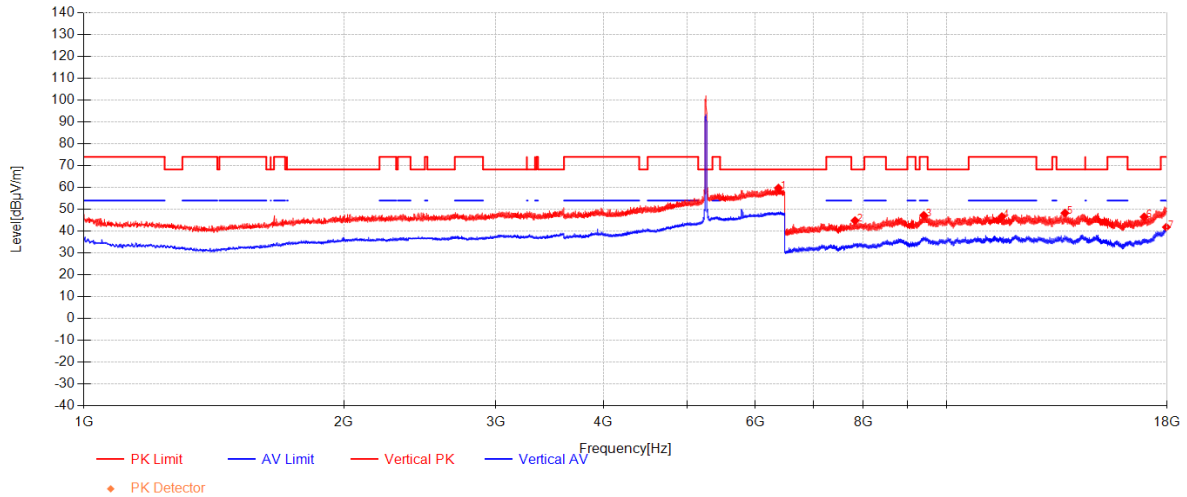
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6363.7692	41.15	34.18	-16.18	59.15	68.30	9.15	Vertical
2	7426.7083	52.73	36.27	-45.71	43.29	74.00	30.71	Vertical
3	8744.8958	52.16	37.12	-43.77	45.51	68.30	22.79	Vertical
4	11146.479	47.40	39.49	-40.04	46.85	74.00	27.15	Vertical
5	13706.187	46.68	39.86	-37.99	48.55	68.30	19.75	Vertical
6	17490.166	44.43	41.74	-36.23	49.94	68.30	18.36	Vertical
7	17942.020	33.97	44.45	-37.14	41.28	54.00	12.72	Vertical

11ax(HE20)_TX_CH_52_Horizontal



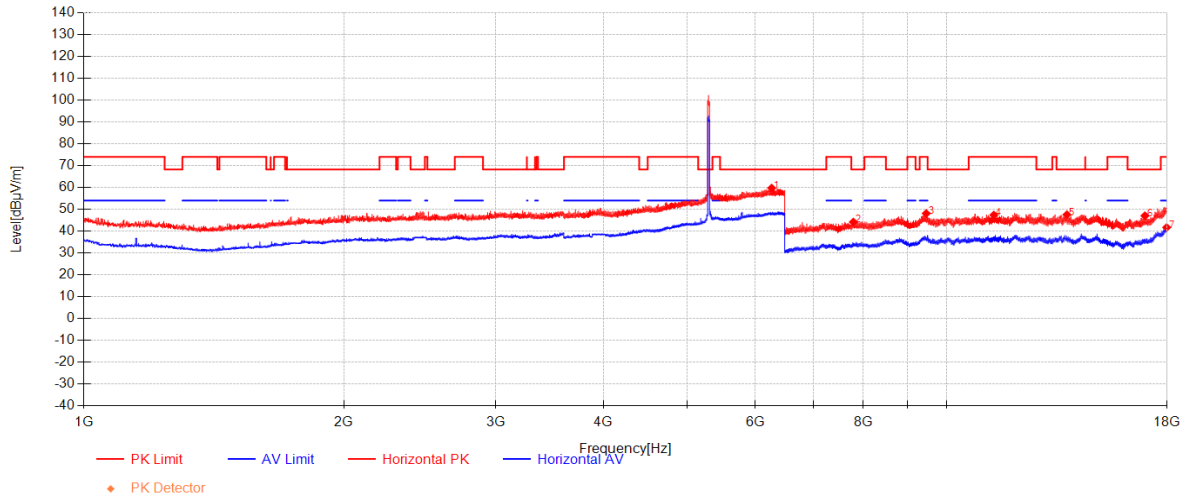
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6432.7308	41.91	34.44	-16.36	59.99	68.30	8.31	Horizontal
2	7707.5	53.84	36.36	-45.12	45.08	74.00	28.92	Horizontal
3	9488.0833	53.74	38.08	-42.67	49.15	74.00	24.85	Horizontal
4	11560	46.86	39.44	-39.57	46.74	74.00	27.26	Horizontal
5	14423.5	46.10	40.26	-38.62	47.73	68.30	20.57	Horizontal
6	17225.187	43.56	40.15	-37.15	46.56	68.30	21.74	Horizontal
7	17961.666	34.30	44.57	-37.09	41.78	54.00	12.22	Horizontal

11ax(HE20)_TX_CH_52_Vertical



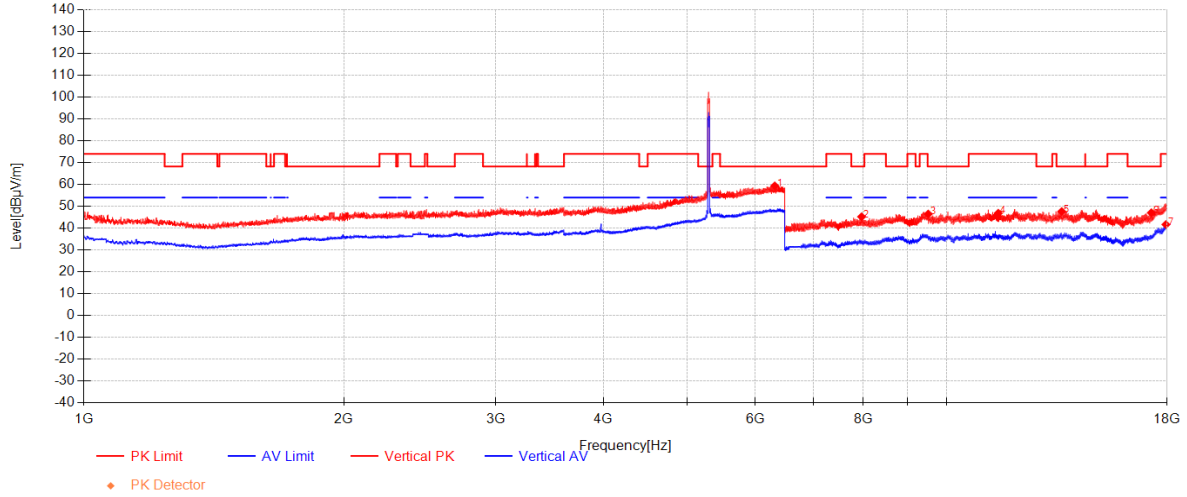
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6380.6923	41.69	34.25	-16.17	59.77	68.30	8.53	Vertical
2	7826.3333	53.41	36.33	-44.92	44.83	68.30	23.47	Vertical
3	9402.7917	52.08	37.96	-42.81	47.24	74.00	26.76	Vertical
4	11580.604	46.61	39.44	-39.39	46.66	74.00	27.34	Vertical
5	13706.187	46.43	39.86	-37.99	48.30	68.30	20.00	Vertical
6	16930.979	44.73	38.77	-36.96	46.55	68.30	21.75	Vertical
7	17966.458	34.31	44.60	-37.07	41.83	54.00	12.17	Vertical

11ax(HE20)_TX_CH_60_Horizontal



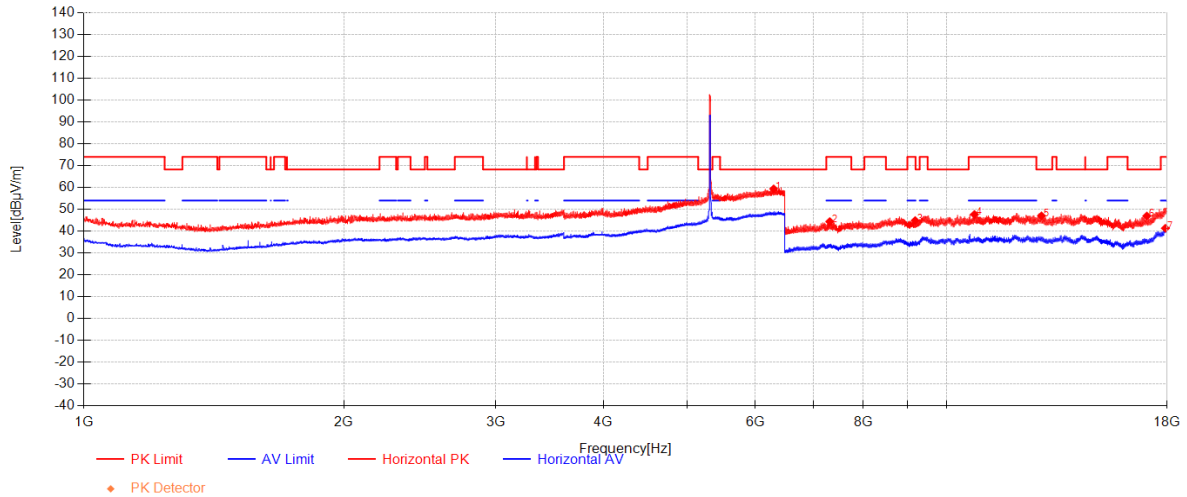
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6265.6154	42.12	33.81	-16.17	59.75	68.30	8.55	Horizontal
2	7791.3542	52.76	36.34	-44.92	44.18	68.30	24.12	Horizontal
3	9465.0833	52.76	38.05	-42.71	48.11	74.00	25.89	Horizontal
4	11336.229	48.10	39.47	-40.18	47.38	74.00	26.62	Horizontal
5	13776.145	45.98	39.96	-38.38	47.56	68.30	20.74	Horizontal
6	16967.875	45.17	38.79	-36.89	47.06	68.30	21.24	Horizontal
7	17980.354	34.06	44.68	-37.04	41.71	54.00	12.29	Horizontal

11ax(HE20)_TX_CH_60_Vertical



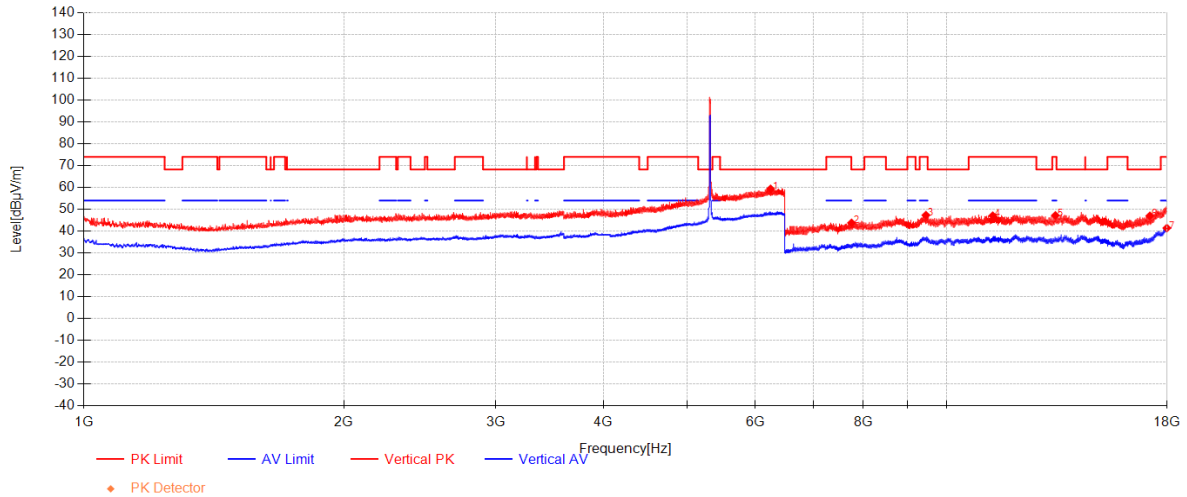
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6317.6538	41.60	34.01	-16.22	59.39	68.30	8.91	Vertical
2	7965.2917	53.45	36.31	-44.51	45.24	68.30	23.06	Vertical
3	9515.3958	50.87	38.12	-42.51	46.48	68.30	21.82	Vertical
4	11472.312	47.39	39.45	-39.98	46.86	74.00	27.14	Vertical
5	13586.875	46.31	39.68	-38.37	47.62	68.30	20.68	Vertical
6	17259.687	43.83	40.36	-37.13	47.05	68.30	21.25	Vertical
7	17944.895	34.31	44.47	-37.13	41.65	54.00	12.35	Vertical

11ax(HE20)_TX_CH_64_Horizontal



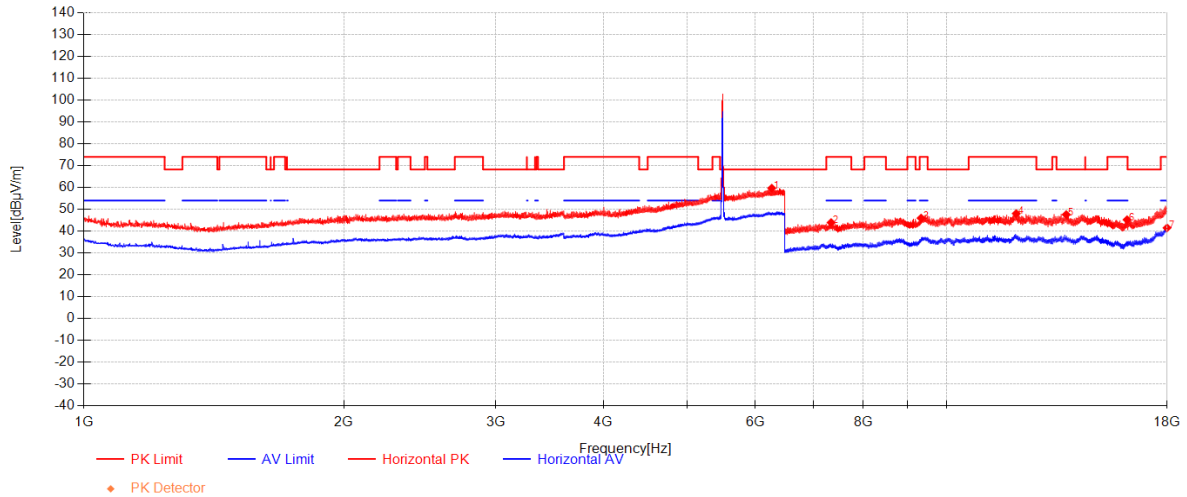
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6299.0385	41.68	33.94	-16.23	59.39	68.30	8.91	Horizontal
2	7316.9792	54.25	36.07	-45.93	44.39	74.00	29.61	Horizontal
3	9189.5625	50.19	37.67	-42.98	44.87	74.00	29.13	Horizontal
4	10764.583	48.91	39.34	-40.58	47.67	74.00	26.33	Horizontal
5	12873.875	46.74	38.88	-38.64	46.98	68.30	21.32	Horizontal
6	17053.645	45.07	39.12	-37.26	46.93	68.30	21.37	Horizontal
7	17918.062	34.23	44.31	-37.21	41.33	54.00	12.67	Horizontal

11ax(HE20)_TX_CH_64_Vertical



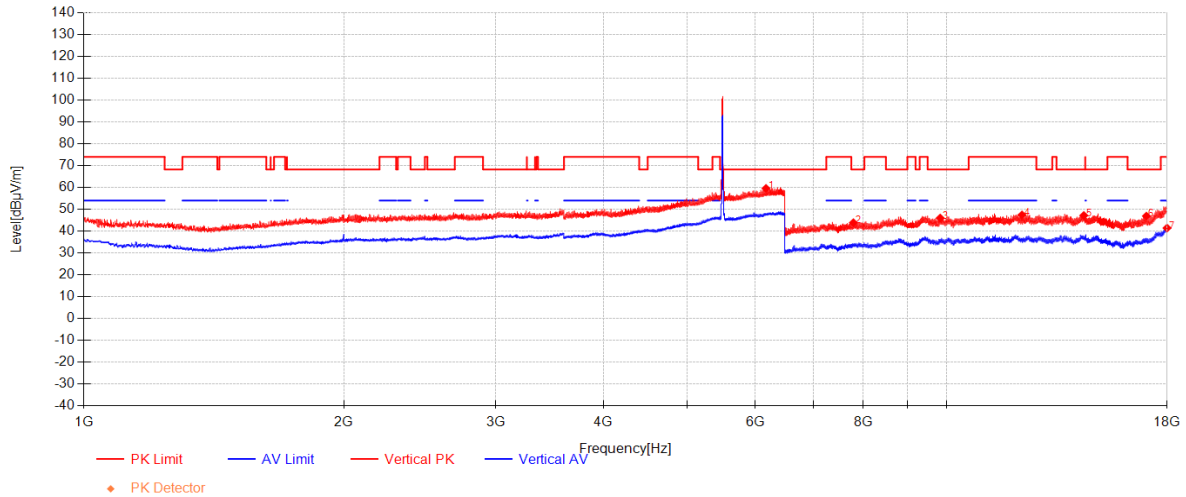
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6247.8462	41.75	33.74	-16.15	59.35	68.30	8.95	Vertical
2	7754.4583	52.45	36.35	-45.01	43.79	68.30	24.51	Vertical
3	9456.9375	52.00	38.04	-42.72	47.32	74.00	26.68	Vertical
4	11303.645	47.99	39.47	-40.42	47.04	74.00	26.96	Vertical
5	13360.229	46.68	39.34	-38.83	47.19	74.00	26.81	Vertical
6	17191.645	44.25	39.95	-37.21	46.99	68.30	21.31	Vertical
7	17990.416	33.70	44.74	-37.01	41.44	54.00	12.56	Vertical

11ax(HE20)_TX_CH_100_Horizontal



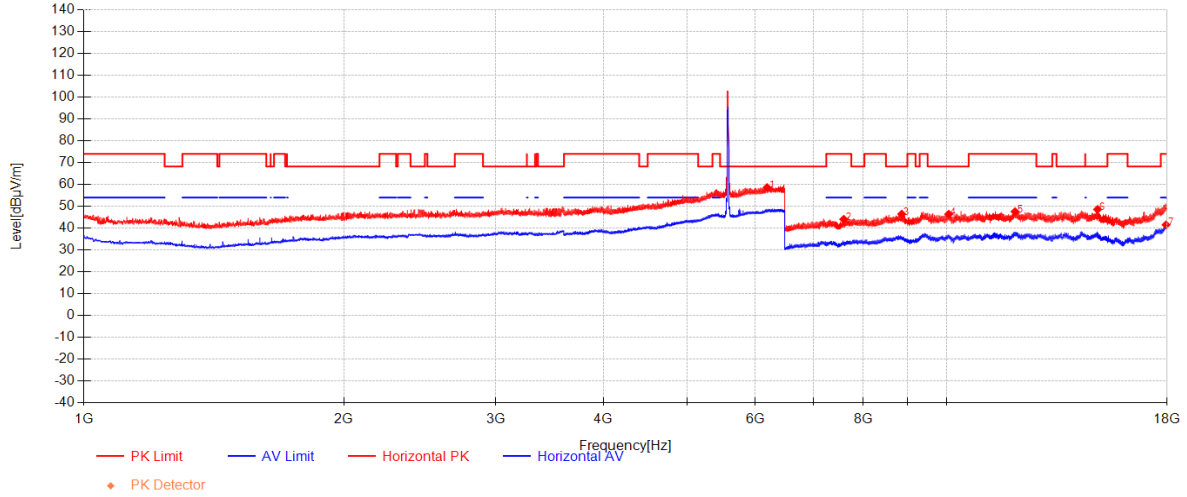
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6267.7308	42.05	33.82	-16.18	59.69	68.30	8.61	Horizontal
2	7343.3333	53.64	36.12	-45.81	43.94	74.00	30.06	Horizontal
3	9336.1875	51.00	37.87	-42.89	45.98	74.00	28.02	Horizontal
4	12034.854	47.54	39.38	-38.85	48.07	74.00	25.93	Horizontal
5	13754.583	45.92	39.93	-38.26	47.59	68.30	20.71	Horizontal
6	16177.25	44.80	38.47	-38.06	45.22	74.00	28.78	Horizontal
7	17999.041	33.70	44.79	-36.98	41.51	54.00	12.49	Horizontal

11ax(HE20)_TX_CH_100_Verical



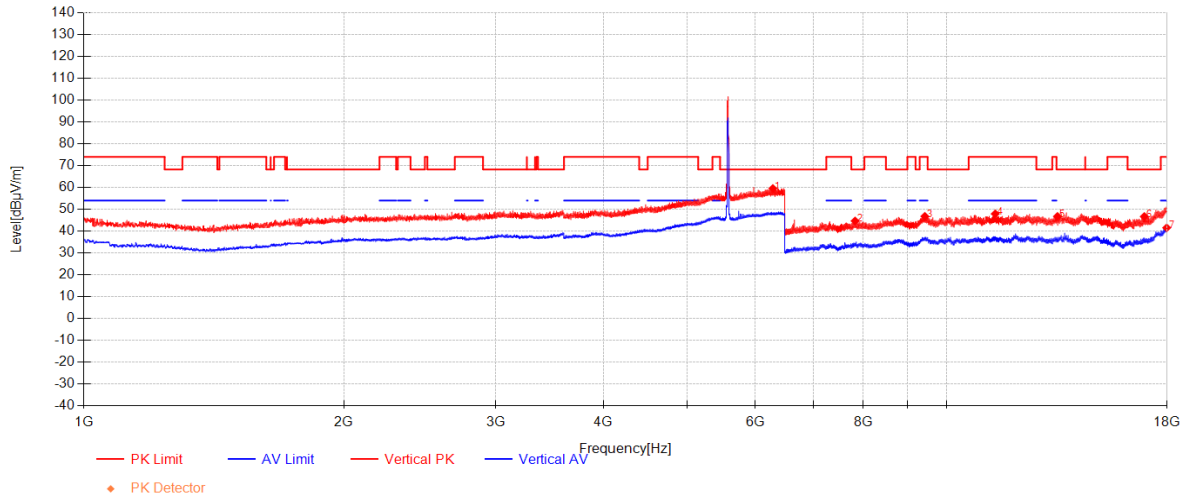
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6171.2692	42.33	33.45	-16.19	59.59	68.30	8.71	Vertical
2	7792.7917	52.43	36.34	-44.92	43.85	68.30	24.45	Vertical
3	9823.5	49.43	38.55	-41.99	46.00	68.30	22.30	Vertical
4	12222.687	47.80	39.27	-39.64	47.43	74.00	26.57	Vertical
5	14412.958	45.58	40.26	-38.66	47.18	68.30	21.12	Vertical
6	17034.958	45.01	39.01	-37.11	46.91	68.30	21.39	Vertical
7	17997.125	33.64	44.78	-36.99	41.43	54.00	12.57	Vertical

11ax(HE20)_TX_CH_116_Horizontal



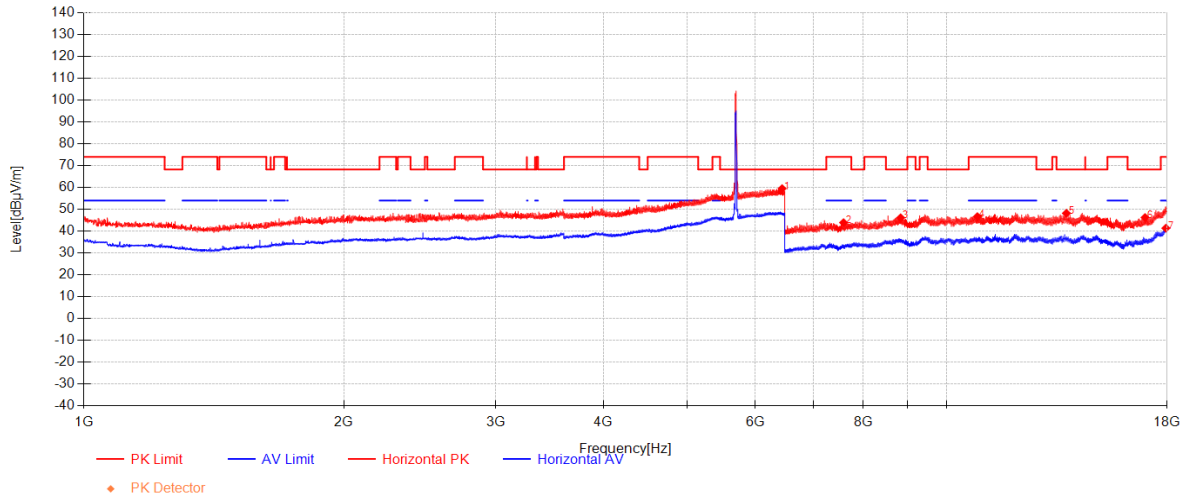
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6189.4615	41.25	33.52	-16.11	58.66	68.30	9.64	Horizontal
2	7594.8958	52.64	36.38	-44.94	44.08	74.00	29.92	Horizontal
3	8866.125	52.87	37.25	-43.66	46.47	68.30	21.83	Horizontal
4	10050.625	49.25	38.84	-41.68	46.40	68.30	21.90	Horizontal
5	11996.041	46.81	39.40	-38.61	47.60	74.00	26.40	Horizontal
6	14951.062	46.51	40.20	-38.14	48.58	68.30	19.72	Horizontal
7	17949.687	34.13	44.50	-37.12	41.51	54.00	12.49	Horizontal

11ax(HE20)_TX_CH_116_Vertical



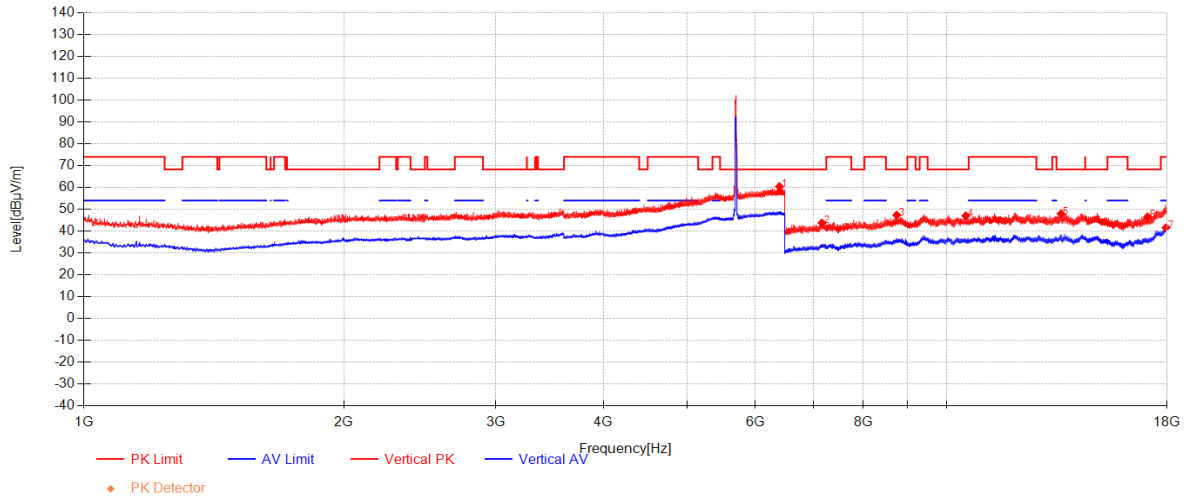
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6285.9231	41.87	33.89	-16.21	59.55	68.30	8.75	Vertical
2	7828.7292	53.25	36.33	-44.92	44.66	68.30	23.64	Vertical
3	9430.5833	51.55	38.00	-42.76	46.79	74.00	27.21	Vertical
4	11379.354	48.34	39.46	-39.86	47.94	74.00	26.06	Vertical
5	13435.458	46.34	39.45	-39.01	46.78	68.30	21.52	Vertical
6	16939.604	44.87	38.78	-36.94	46.70	68.30	21.60	Vertical
7	17982.270	33.88	44.69	-37.03	41.54	54.00	12.46	Vertical

11ax(HE20)_TX_CH_140_Horizontal



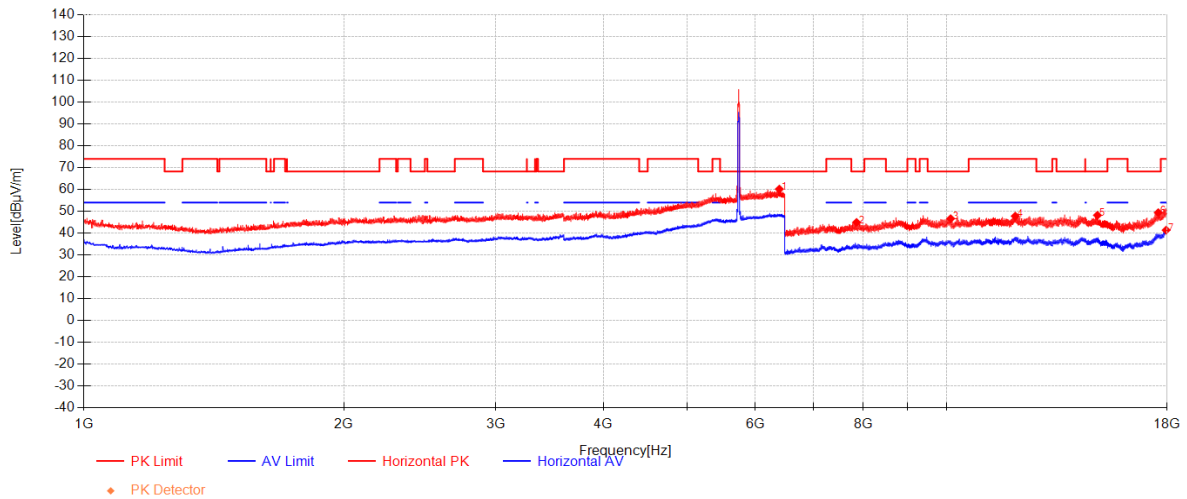
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6442.4615	41.46	34.48	-16.43	59.52	68.30	8.78	Horizontal
2	7590.5833	52.52	36.38	-45.00	43.91	74.00	30.09	Horizontal
3	8839.7708	52.64	37.22	-43.74	46.13	68.30	22.17	Horizontal
4	10848.916	47.59	39.39	-40.31	46.67	74.00	27.33	Horizontal
5	13759.854	46.54	39.94	-38.29	48.19	68.30	20.11	Horizontal
6	16972.187	44.37	38.79	-36.89	46.27	68.30	22.03	Horizontal
7	17942.020	34.06	44.45	-37.14	41.37	54.00	12.63	Horizontal

11ax(HE20)_TX_CH_140_Vertical



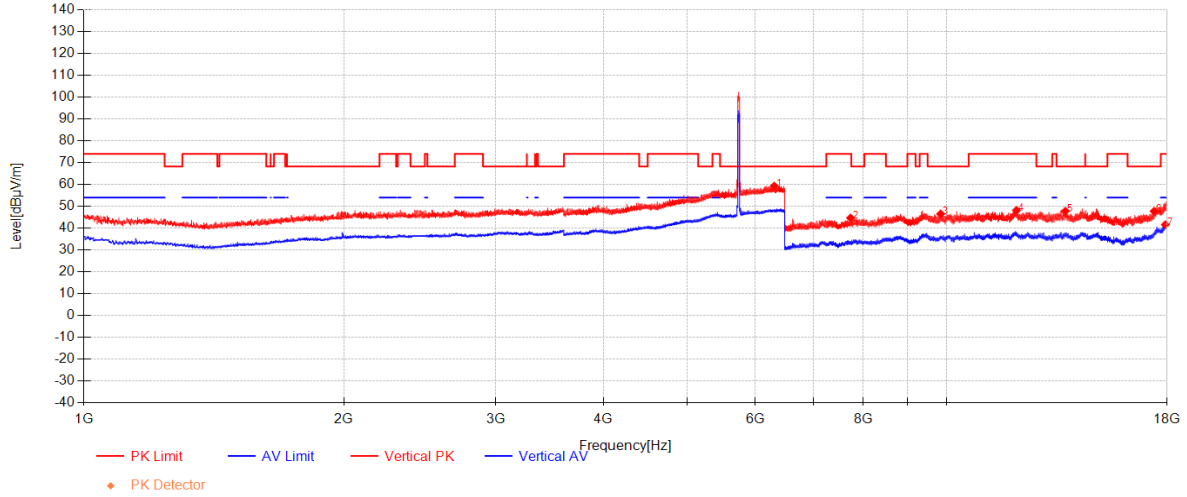
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6396.3462	42.32	34.31	-16.15	60.47	68.30	7.83	Vertical
2	7164.6042	53.67	35.80	-45.68	43.78	68.30	24.52	Vertical
3	8747.7708	54.01	37.12	-43.77	47.36	68.30	20.94	Vertical
4	10517.812	48.59	39.16	-40.68	47.07	68.30	21.23	Vertical
5	13566.270	46.84	39.65	-38.51	47.98	68.30	20.32	Vertical
6	17088.145	44.76	39.33	-37.53	46.56	68.30	21.74	Vertical
7	17949.687	34.25	44.50	-37.12	41.63	54.00	12.37	Vertical

11ax(HE20)_TX_CH_149_Horizontal



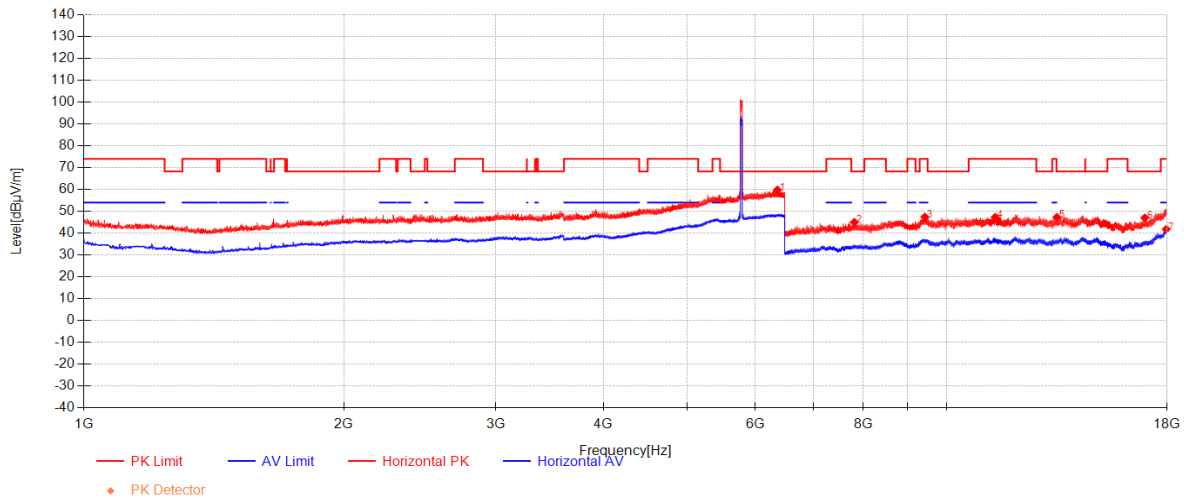
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6395.5	42.04	34.30	-16.15	60.19	68.30	8.11	Horizontal
2	7858.9167	53.54	36.33	-44.94	44.93	68.30	23.37	Horizontal
3	10101.416	49.40	38.87	-41.64	46.63	68.30	21.67	Horizontal
4	12003.229	46.99	39.40	-38.59	47.80	74.00	26.20	Horizontal
5	14947.708	46.16	40.21	-38.16	48.21	68.30	20.09	Horizontal
6	17583.125	43.72	42.30	-36.63	49.39	68.30	18.91	Horizontal
7	17954.958	33.97	44.53	-37.11	41.39	54.00	12.61	Horizontal

11ax(HE20)_TX_CH_149_Vertical



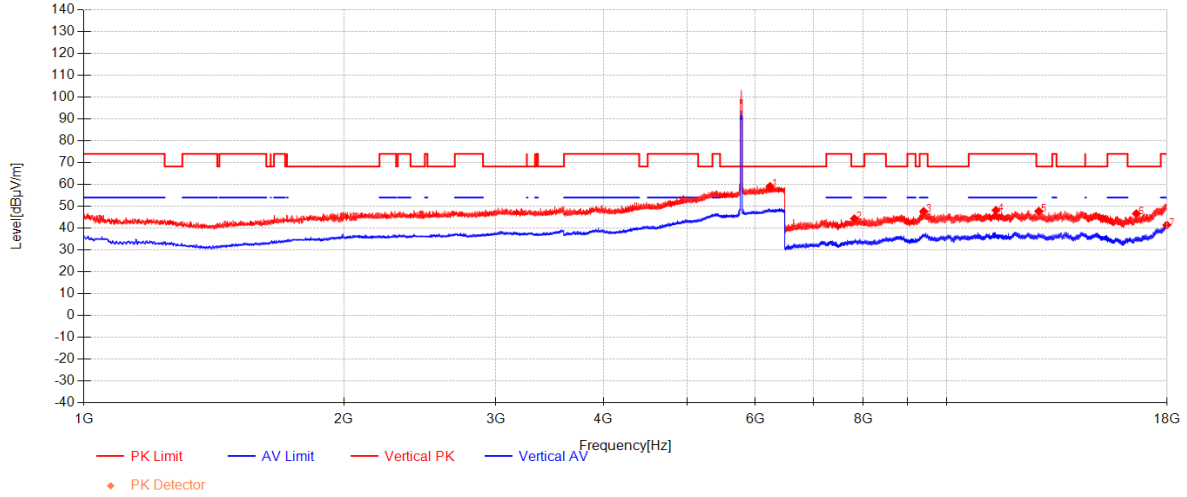
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6309.1923	41.57	33.97	-16.22	59.32	68.30	8.98	Vertical
2	7733.8542	53.40	36.35	-45.06	44.69	74.00	29.31	Vertical
3	9835.9583	49.92	38.57	-41.96	46.53	68.30	21.77	Vertical
4	12041.562	47.67	39.38	-38.91	48.14	74.00	25.86	Vertical
5	13721.520	45.99	39.88	-38.07	47.80	68.30	20.50	Vertical
6	17386.666	43.83	41.12	-37.20	47.75	68.30	20.55	Vertical
7	17914.229	34.53	44.29	-37.22	41.60	54.00	12.40	Vertical

11ax(HE20)_TX_CH_157_Horizontal



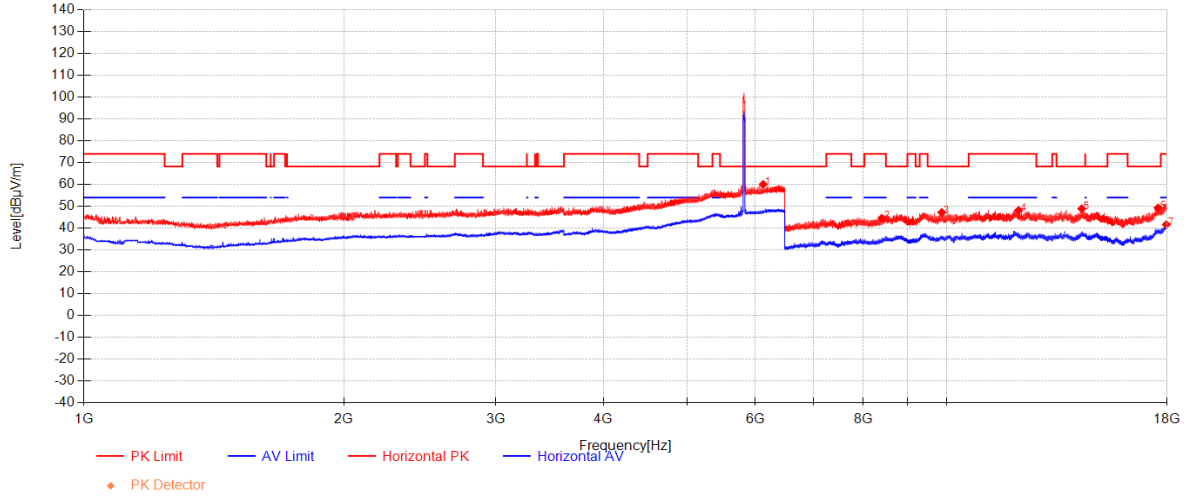
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6362.5	41.83	34.18	-16.18	59.83	68.30	8.47	Horizontal
2	7813.3958	53.58	36.34	-44.91	45.01	68.30	23.29	Horizontal
3	9429.625	52.19	38.00	-42.76	47.43	74.00	26.57	Horizontal
4	11376.958	47.72	39.46	-39.88	47.30	74.00	26.70	Horizontal
5	13412.937	46.92	39.42	-39.03	47.31	68.30	20.99	Horizontal
6	16961.166	45.14	38.78	-36.91	47.02	68.30	21.28	Horizontal
7	17959.75	34.33	44.56	-37.09	41.80	54.00	12.20	Horizontal

11ax(HE20)_TX_CH_157_Vertical



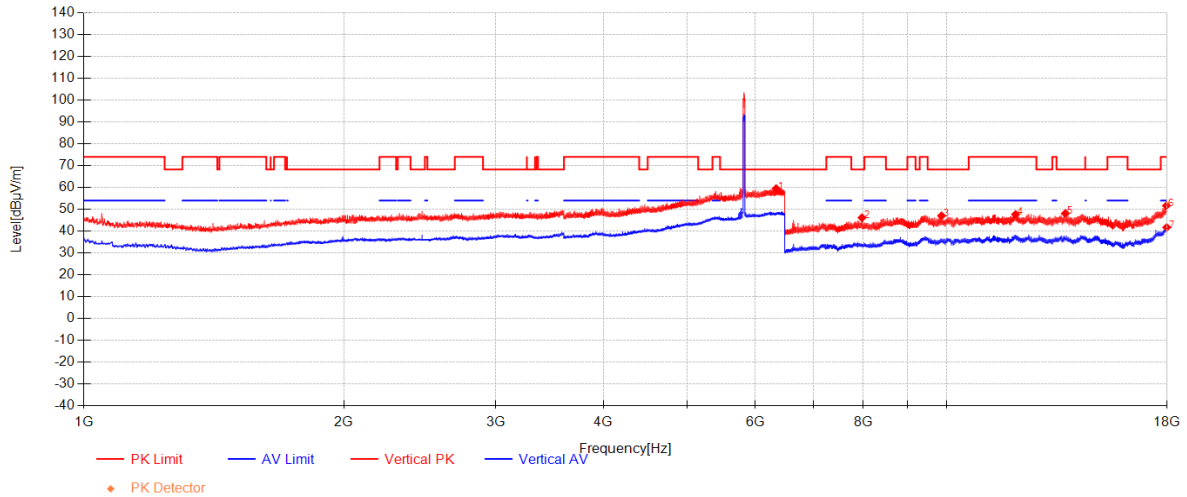
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6239.8077	41.61	33.71	-16.13	59.19	68.30	9.11	Vertical
2	7812.4375	52.91	36.34	-44.91	44.34	68.30	23.96	Vertical
3	9400.3958	52.55	37.96	-42.81	47.70	74.00	26.30	Vertical
4	11400.437	48.43	39.46	-39.71	48.18	74.00	25.82	Vertical
5	12781.875	48.09	38.93	-39.23	47.79	68.30	20.51	Vertical
6	16579.75	45.41	38.63	-37.36	46.68	68.30	21.62	Vertical
7	17986.104	33.74	44.72	-37.02	41.44	54.00	12.56	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	6125.5769	43.17	33.28	-16.38	60.07	68.30	8.23	Horizontal
2	8407.0833	52.15	36.75	-44.31	44.59	74.00	29.41	Horizontal
3	9865.1875	50.51	38.61	-41.89	47.23	68.30	21.07	Horizontal
4	12112	48.25	39.33	-39.44	48.14	74.00	25.86	Horizontal
5	14334.375	47.39	40.27	-38.76	48.90	68.30	19.40	Horizontal
6	17567.312	43.60	42.20	-36.53	49.27	68.30	19.03	Horizontal
7	17962.145	34.16	44.57	-37.09	41.65	54.00	12.35	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	6340.9231	41.63	34.10	-16.20	59.53	68.30	8.77	Vertical
2	7973.4375	54.31	36.31	-44.46	46.16	68.30	22.14	Vertical
3	9860.3958	50.35	38.60	-41.90	47.05	68.30	21.25	Vertical
4	12012.812	46.96	39.39	-38.67	47.68	74.00	26.32	Vertical
5	13720.562	46.32	39.88	-38.07	48.13	68.30	20.17	Vertical
6	17966.458	44.13	44.60	-37.07	51.65	74.00	22.35	Vertical
7	17982.75	34.06	44.70	-37.03	41.73	54.00	12.27	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

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

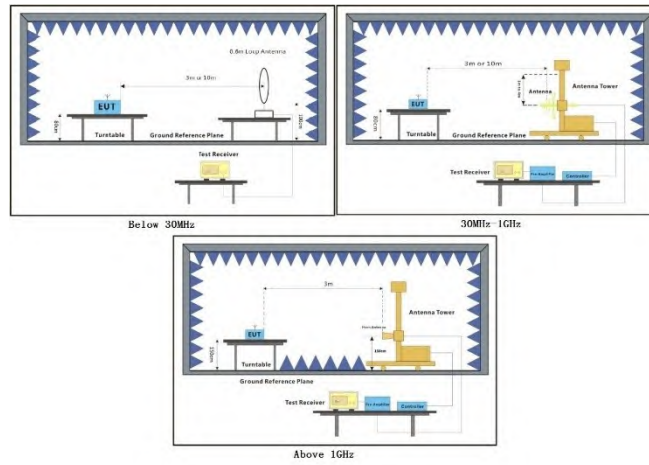
Humidity: 42 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

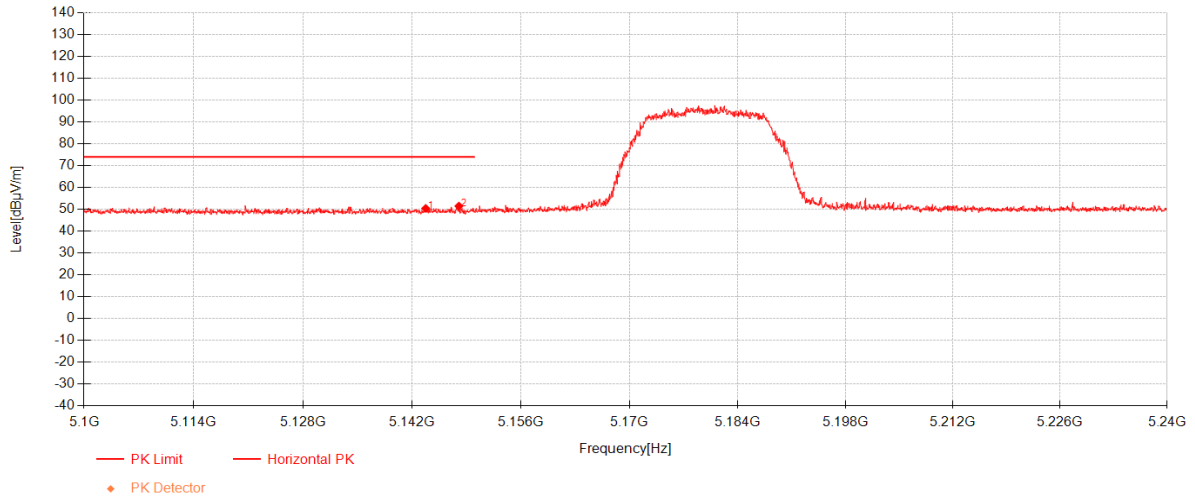
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5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

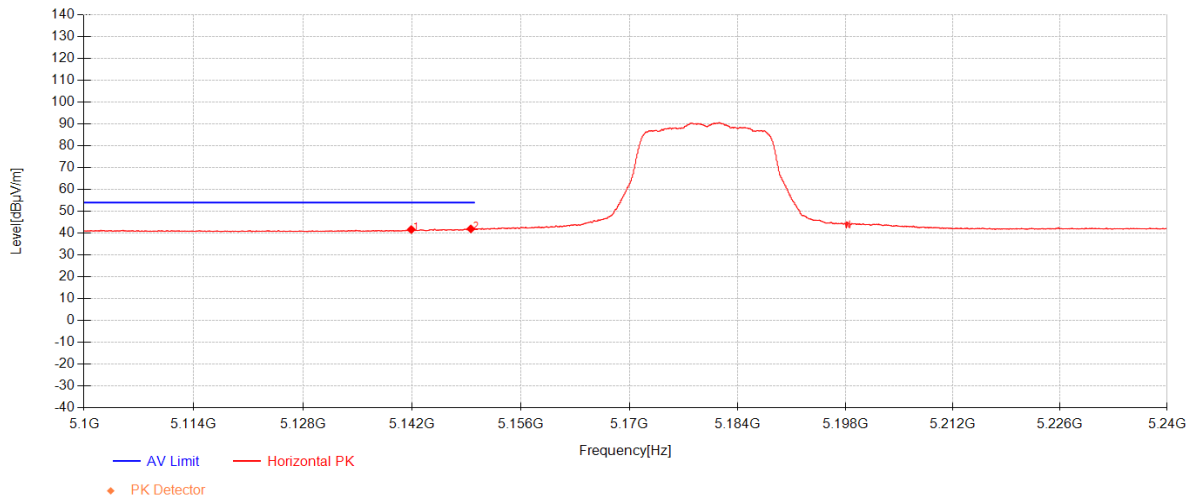
Remark 3: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle<98%) or 10Hz (Duty cycle $\geq$ 98%) for Average detection (AV) at frequency above 1GHz.

11a_TX_CH_36_Horizontal_Peak



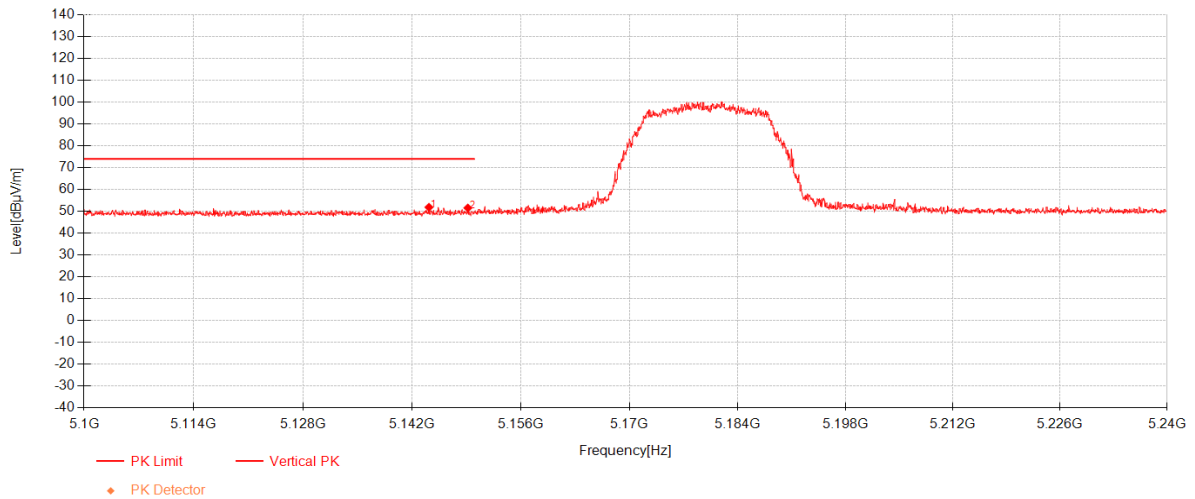
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.75	39.08	31.60	-20.24	50.44	74.00	23.56	Horizontal
2	5148.02	40.11	31.61	-20.23	51.49	74.00	22.51	Horizontal

11a_TX_CH_36_Horizontal_Average



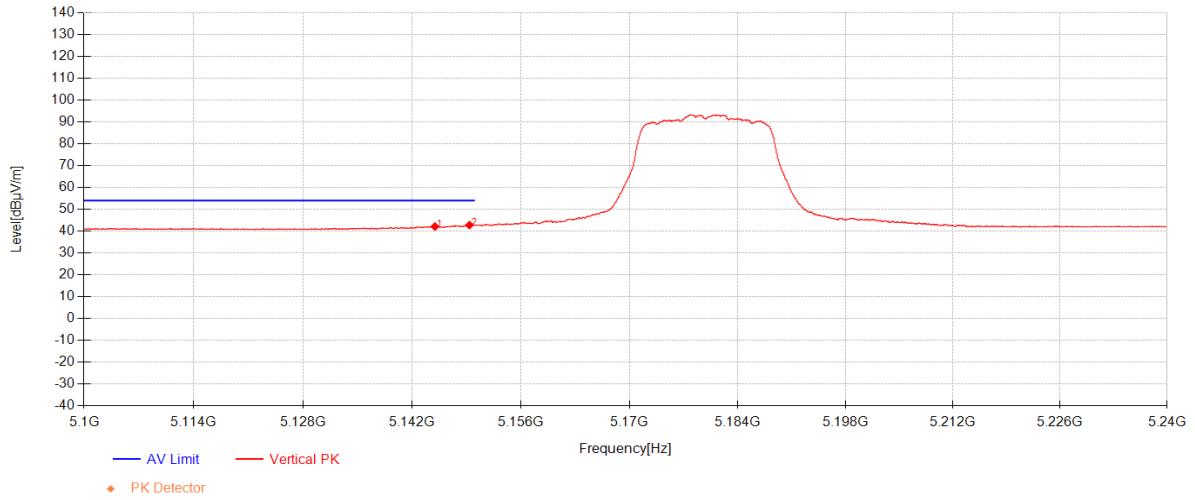
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.895	27.82	31.60	-17.77	41.65	54.00	12.35	Horizontal
2	5149.56	28.09	31.62	-17.76	41.95	54.00	12.05	Horizontal

11a_TX_CH_36_Vertical_Peak



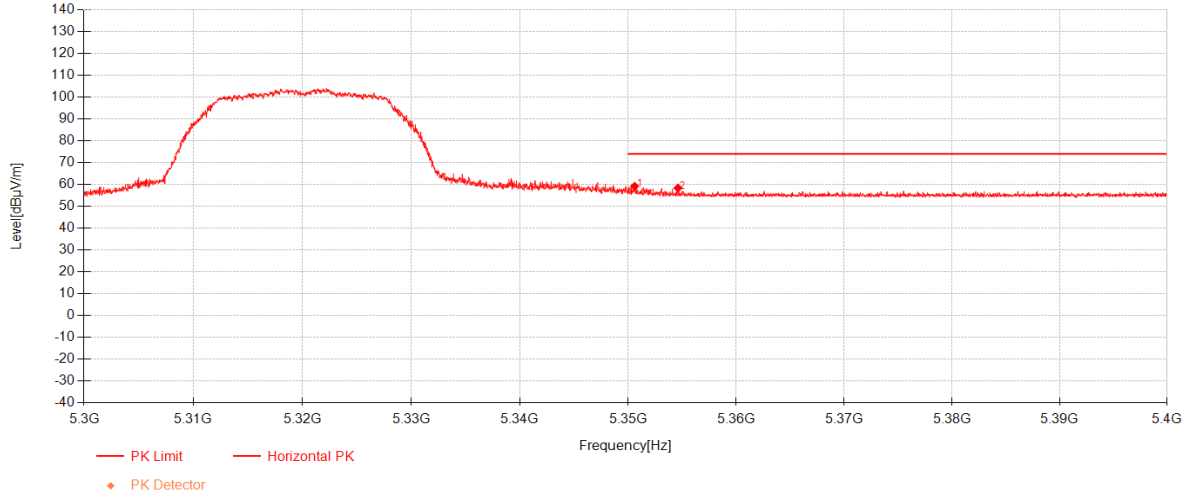
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.17	40.51	31.60	-20.24	51.87	74.00	22.13	Vertical
2	5149.175	40.16	31.62	-20.23	51.55	74.00	22.45	Vertical

11a_TX_CH_36_Veritical_Average



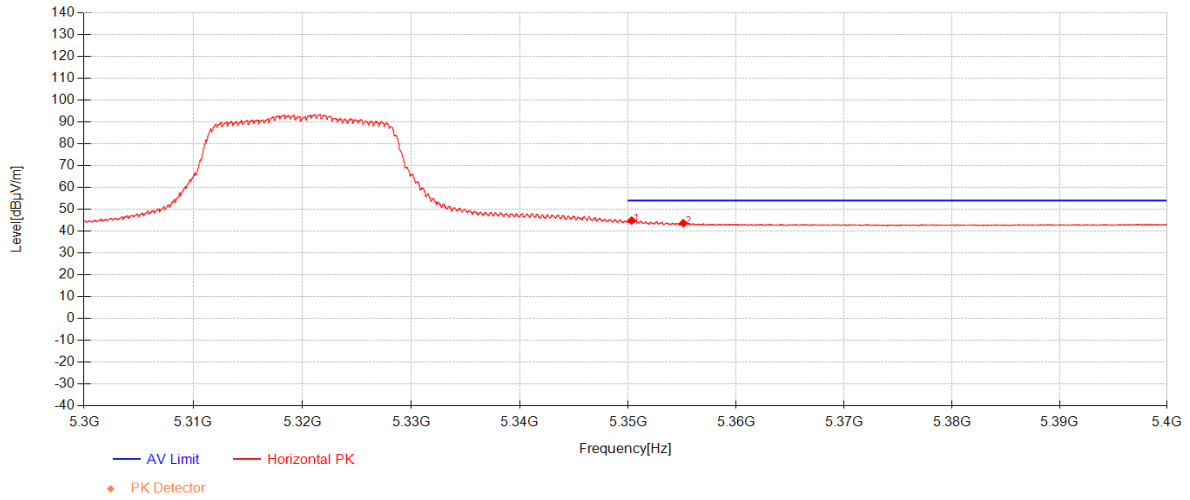
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.94	28.27	31.61	-17.76	42.11	54.00	11.89	Vertical
2	5149.385	28.90	31.62	-17.76	42.76	54.00	11.24	Vertical

11a_TX_CH_64_Horizontal_Peak



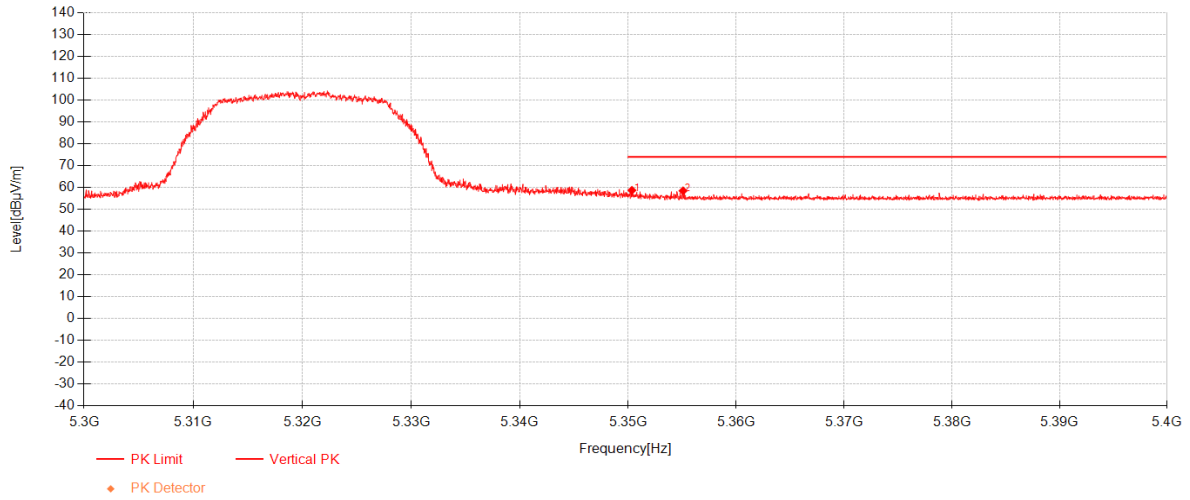
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6	43.96	32.18	-16.93	59.21	74.00	14.79	Horizontal
2	5354.6	43.10	32.19	-16.91	58.39	74.00	15.61	Horizontal

11a_TX_CH_64_Horizontal_Average



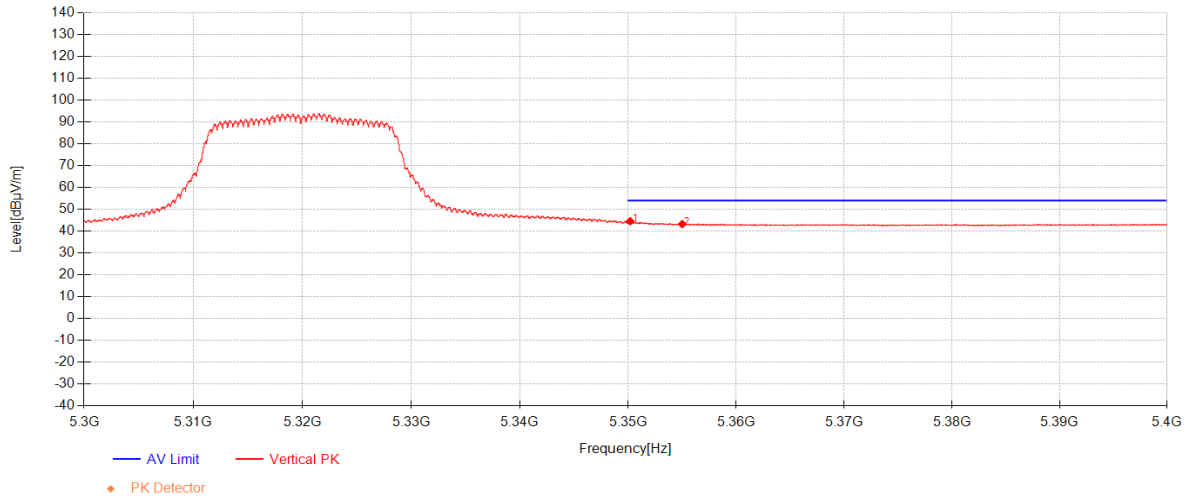
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.325	29.63	32.18	-16.93	44.88	54.00	9.12	Horizontal
2	5355.1	28.34	32.19	-16.90	43.63	54.00	10.37	Horizontal

11a_TX_CH_64_Vertical_Peak



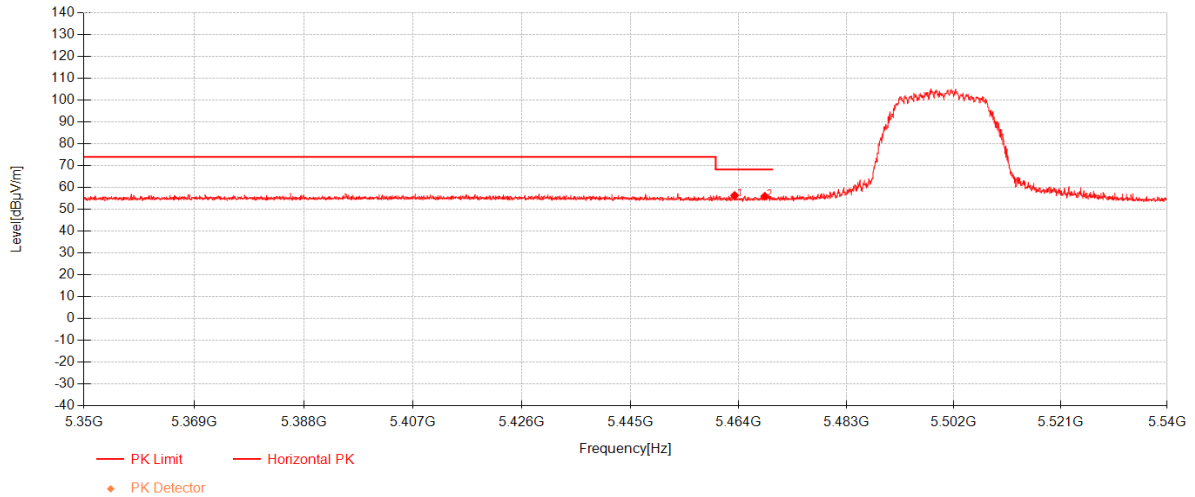
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.35	43.47	32.18	-16.93	58.72	74.00	15.28	Vertical
2	5355.075	43.20	32.19	-16.90	58.49	74.00	15.51	Vertical

11a_TX_CH_64_Vertical_Average



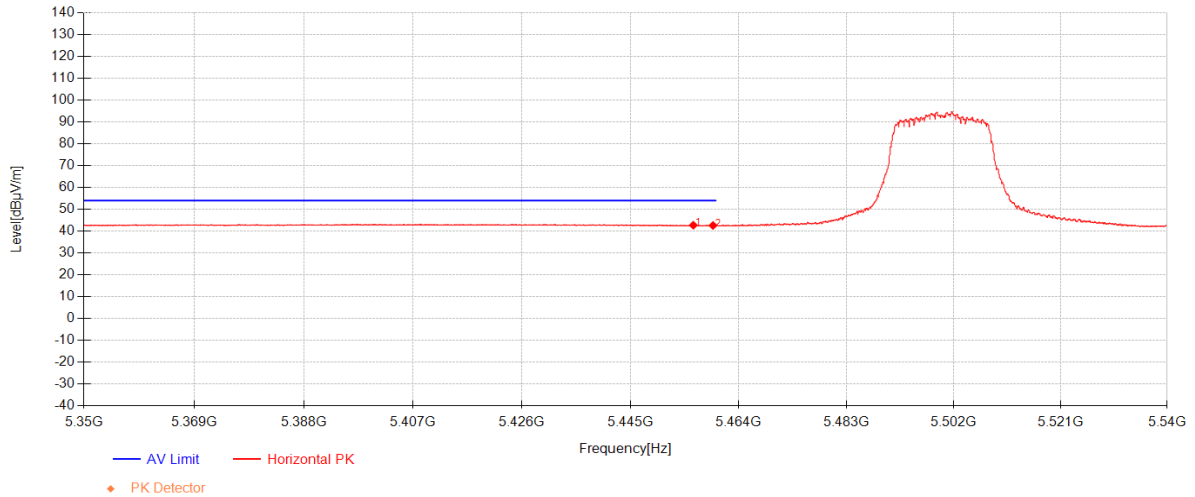
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.2	29.31	32.18	-16.93	44.56	54.00	9.44	Vertical
2	5355	27.95	32.19	-16.91	43.24	54.00	10.76	Vertical

11a_TX_CH_100_Horizontal_Peak



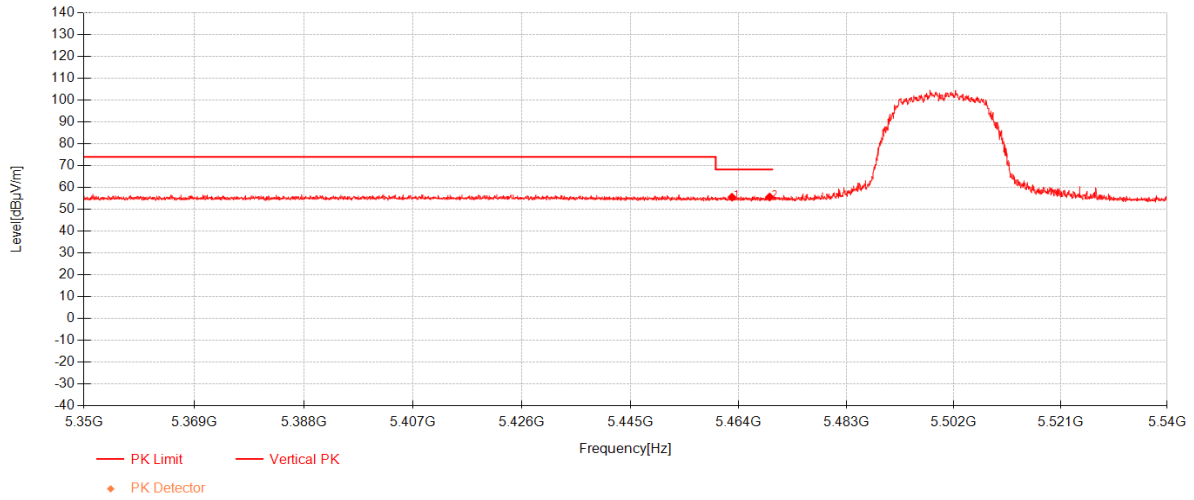
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5463.335	40.89	32.50	-17.02	56.37	68.30	11.93	Horizontal
2	5468.655	40.53	32.51	-17.05	55.99	68.30	12.31	Horizontal

11a_TX_CH_100_Horizontal_Average



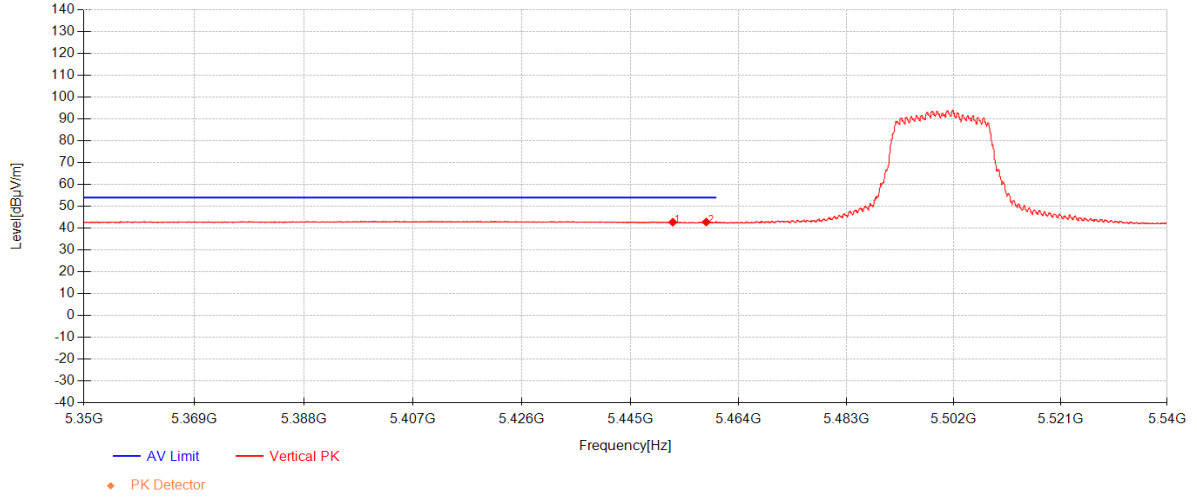
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5456.0675	27.23	32.48	-16.98	42.72	54.00	11.28	Horizontal
2	5459.535	27.11	32.49	-17.00	42.60	54.00	11.40	Horizontal

11a_TX_CH_100_Vertical_Peak



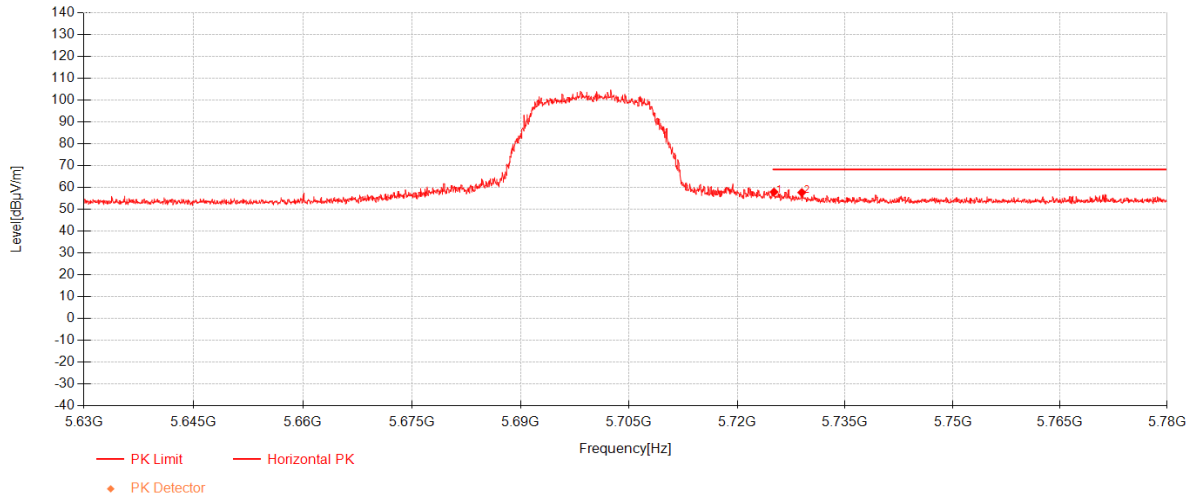
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5462.86	40.10	32.50	-17.02	55.58	68.30	12.72	Vertical
2	5469.51	40.21	32.51	-17.06	55.67	68.30	12.63	Vertical

11a_TX_CH_100_Vertical_Average



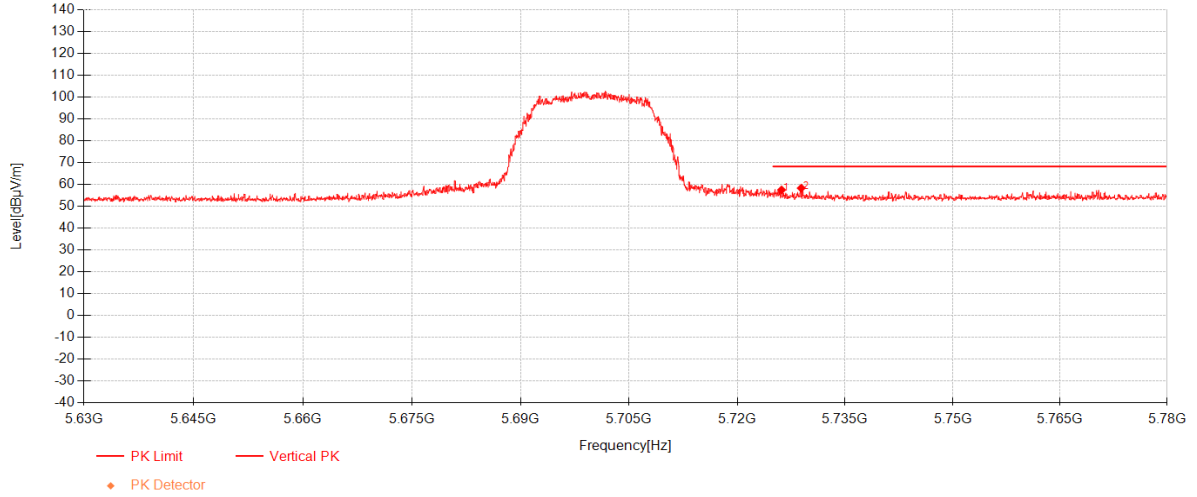
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5452.4575	27.22	32.47	-16.96	42.72	54.00	11.28	Vertical
2	5458.3475	27.31	32.48	-17.00	42.80	54.00	11.20	Vertical

11a_TX_CH_140_Horizontal_Peak



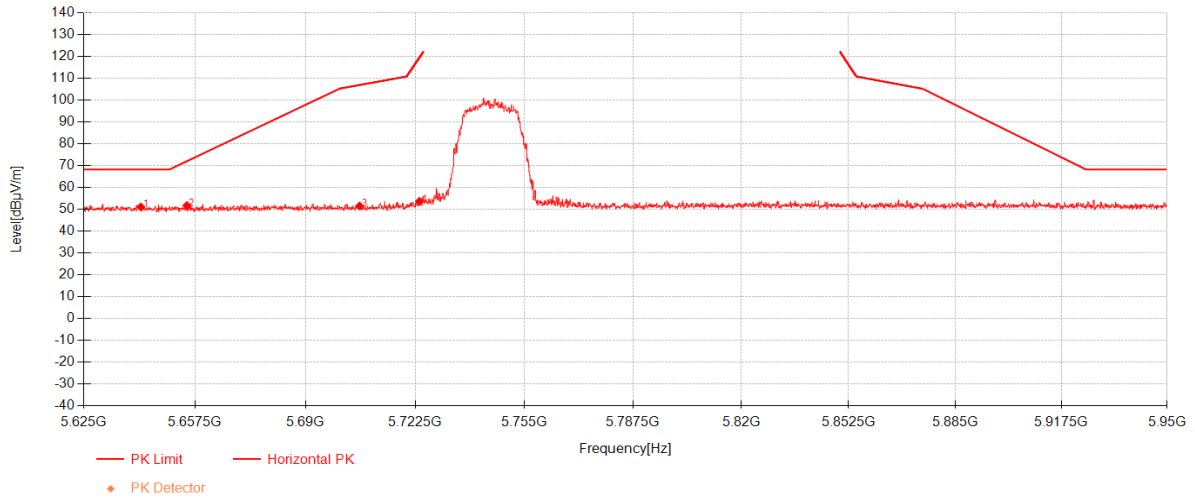
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.1	42.13	32.69	-16.86	57.96	68.30	10.34	Horizontal
2	5728.9625	41.87	32.69	-16.84	57.72	68.30	10.58	Horizontal

11a_TX_CH_140_Vertical_Peak



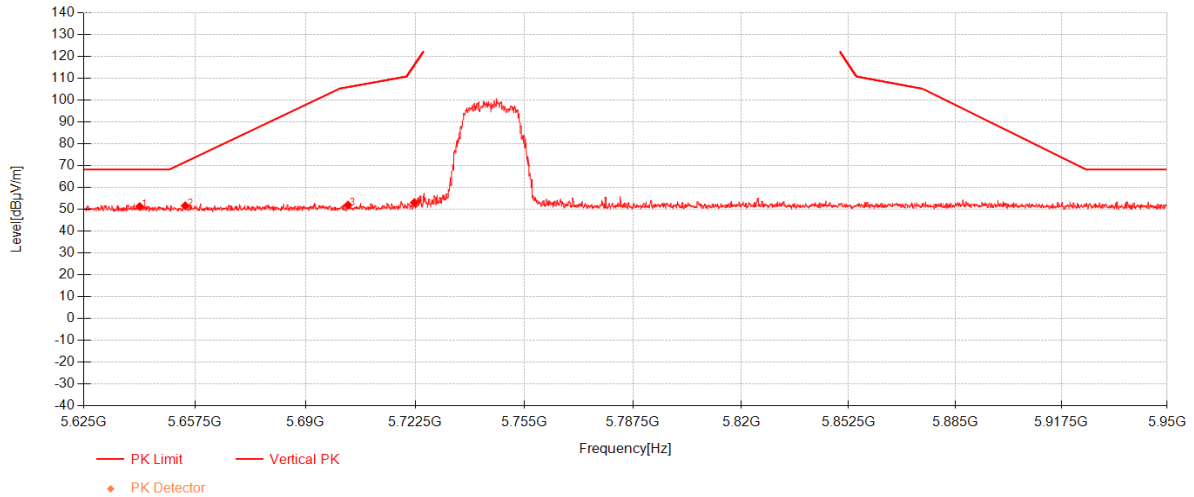
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.15	41.69	32.69	-16.86	57.53	68.30	10.77	Vertical
2	5728.8875	42.50	32.69	-16.84	58.35	68.30	9.95	Vertical

11a_TX_CH_149_Horizontal_Peak



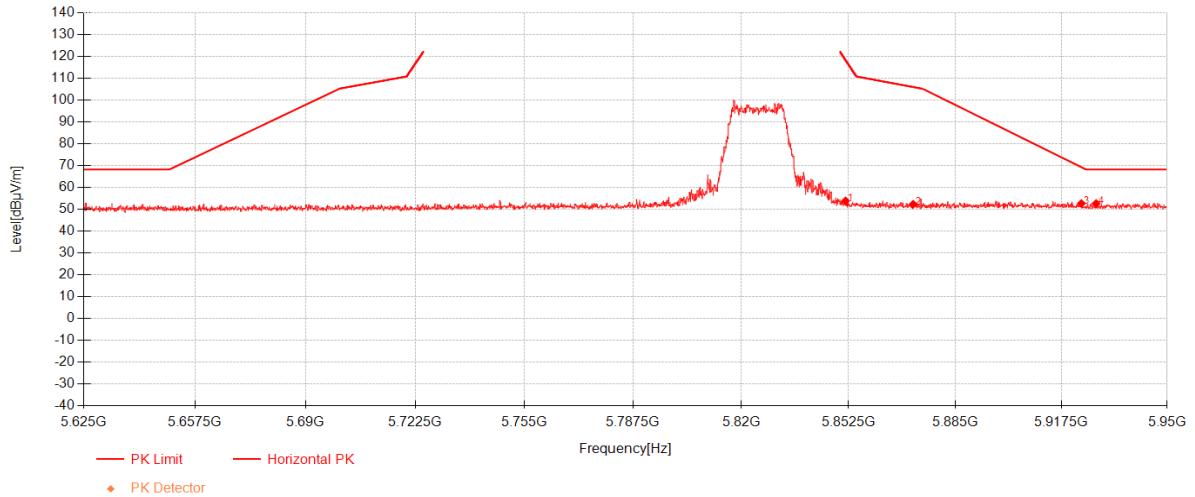
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.575	37.90	32.66	-19.46	51.10	68.30	17.20	Horizontal
2	5655.0625	38.55	32.66	-19.46	51.75	72.06	20.31	Horizontal
3	5705.925	38.29	32.68	-19.43	51.54	106.96	55.42	Horizontal
4	5723.7188	40.33	32.69	-19.32	53.70	119.38	65.68	Horizontal

11a_TX_CH_149_Vertical_Peak



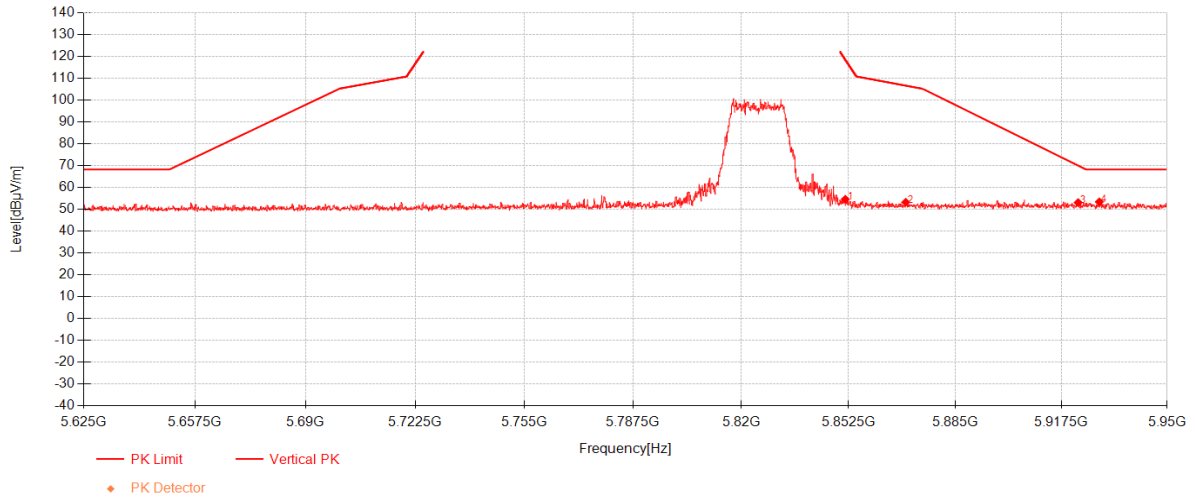
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.25	38.10	32.66	-19.46	51.30	68.30	17.00	Vertical
2	5654.575	38.45	32.66	-19.46	51.65	71.70	20.05	Vertical
3	5702.5125	38.73	32.68	-19.45	51.96	106.00	54.04	Vertical
4	5722.175	39.74	32.69	-19.33	53.10	115.86	62.76	Vertical

11a_TX_CH_165_Horizontal_Peak



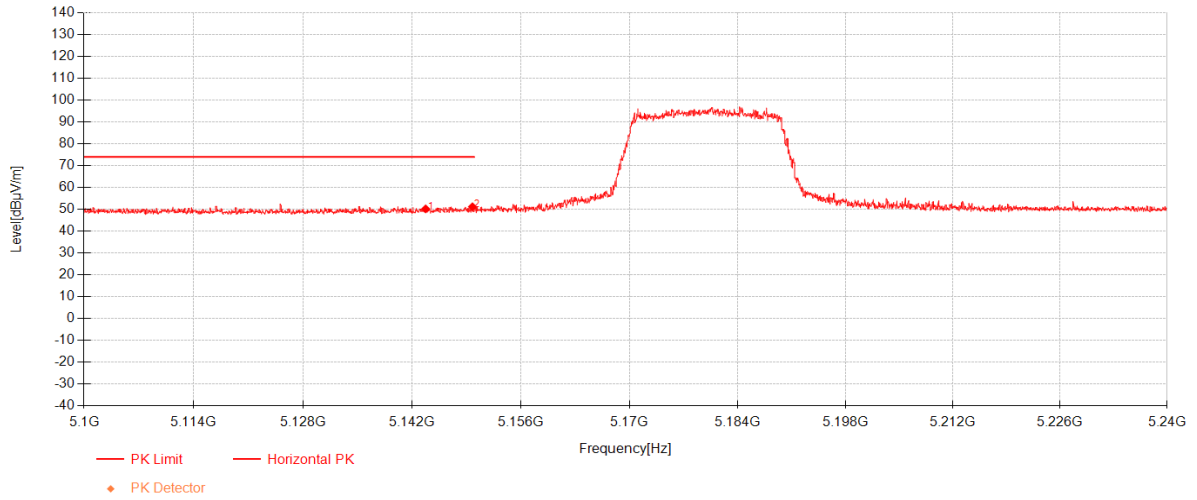
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.6062	39.97	32.74	-18.81	53.90	118.64	64.74	Horizontal
2	5872.1625	38.42	32.75	-18.80	52.37	106.09	53.72	Horizontal
3	5923.5938	38.86	32.77	-18.95	52.68	69.34	16.66	Horizontal
4	5928.1438	38.88	32.77	-18.98	52.67	68.30	15.63	Horizontal

11a_TX_CH_165_Vertical_Peak



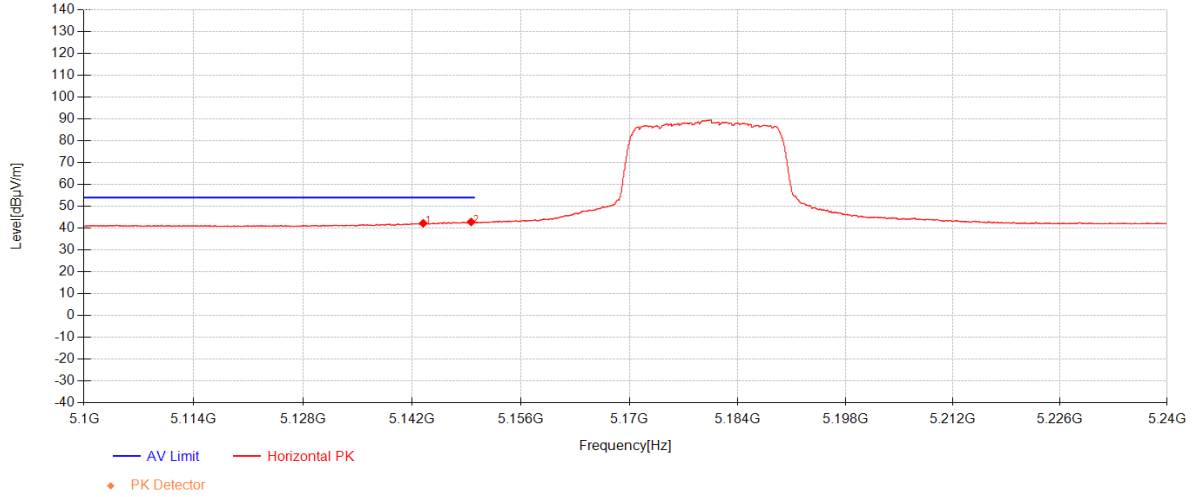
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.525	40.68	32.74	-18.81	54.61	118.82	64.21	Vertical
2	5869.8875	39.30	32.75	-18.80	53.25	106.73	53.48	Vertical
3	5922.6188	39.27	32.77	-18.95	53.09	70.06	16.97	Vertical
4	5929.1188	39.65	32.77	-18.99	53.43	68.30	14.87	Vertical

11ax(HE20)_TX_CH_36_Horizontal_Peak



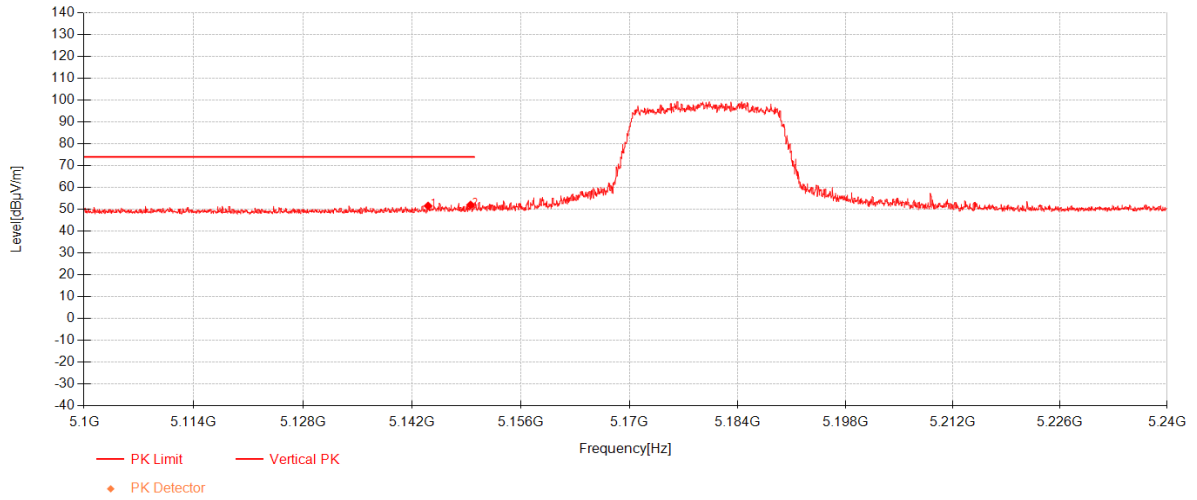
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.75	38.85	31.60	-20.24	50.21	74.00	23.79	Horizontal
2	5149.77	39.79	31.62	-20.23	51.18	74.00	22.82	Horizontal

11ax(HE20)_TX_CH_36_Horizontal_Average



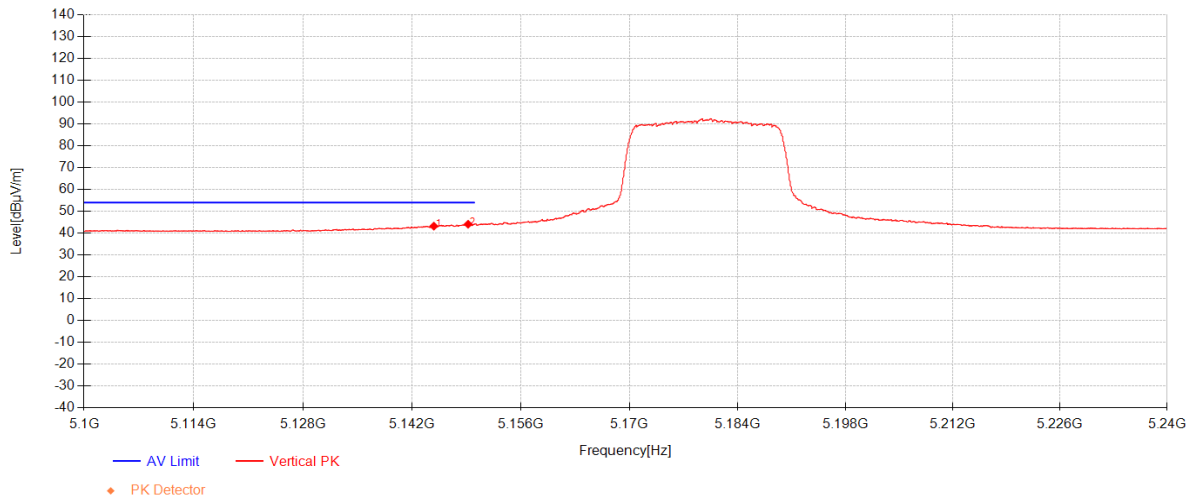
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.435	28.40	31.60	-17.77	42.24	54.00	11.76	Horizontal
2	5149.595	28.97	31.62	-17.76	42.83	54.00	11.17	Horizontal

11ax(HE20)_TX_CH_36_Vertical_Peak



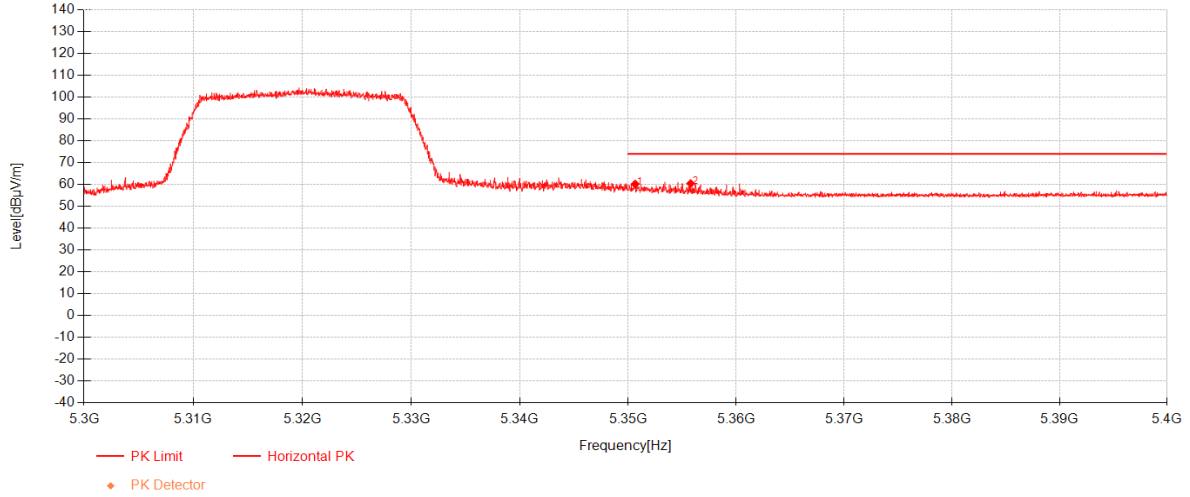
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.065	40.18	31.60	-20.24	51.54	74.00	22.46	Vertical
2	5149.525	40.62	31.62	-20.23	52.01	74.00	21.99	Vertical

11ax(HE20)_TX_CH_36_Veritical_Average



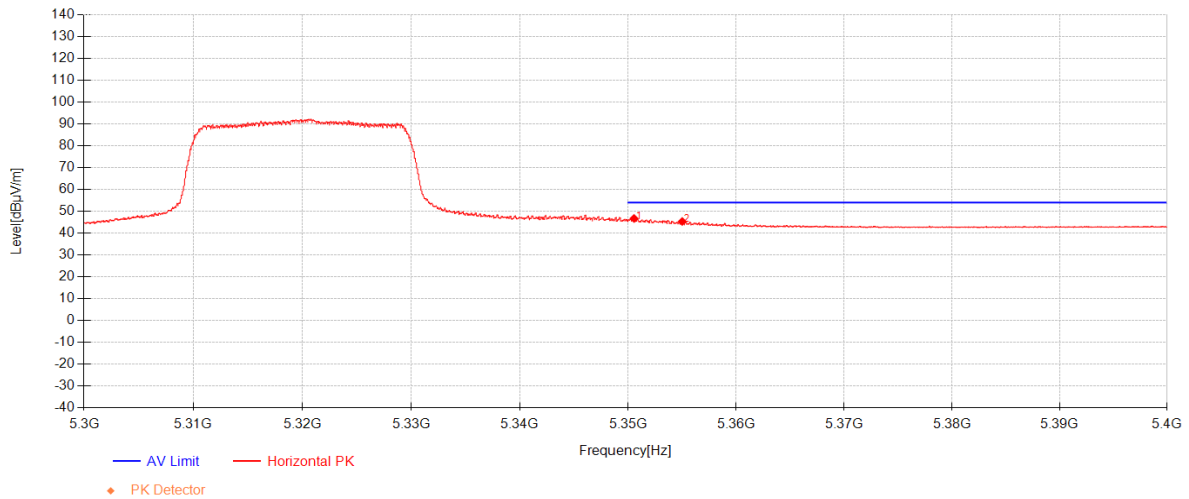
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.8	29.38	31.61	-17.76	43.22	54.00	10.78	Vertical
2	5149.21	30.23	31.62	-17.76	44.09	54.00	9.91	Vertical

11ax(HE20)_TX_CH_64_Horizontal_Peak



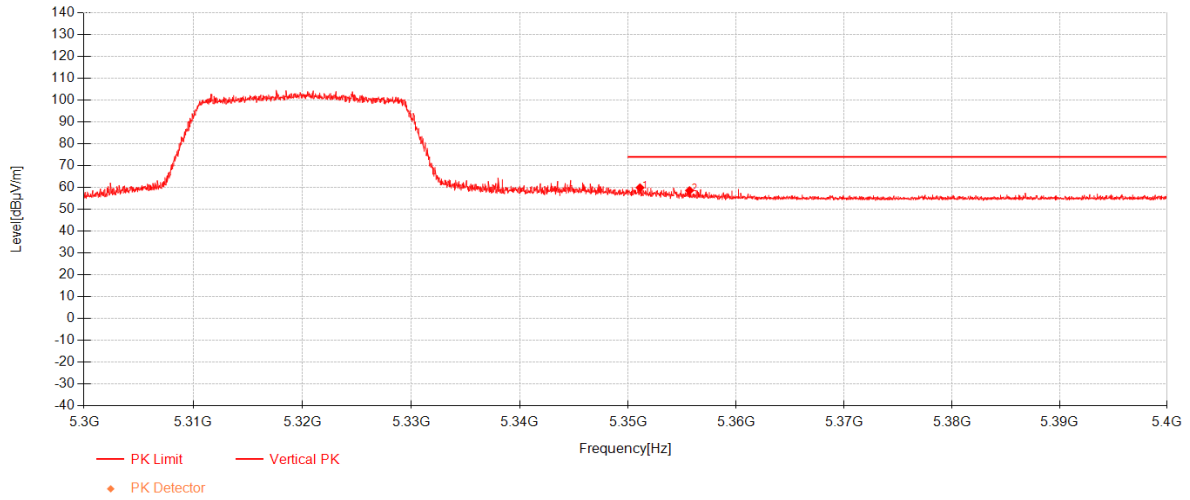
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.65	44.96	32.18	-16.93	60.22	74.00	13.78	Horizontal
2	5355.775	45.15	32.20	-16.90	60.45	74.00	13.55	Horizontal

11ax(HE20)_TX_CH_64_Horizontal_Average



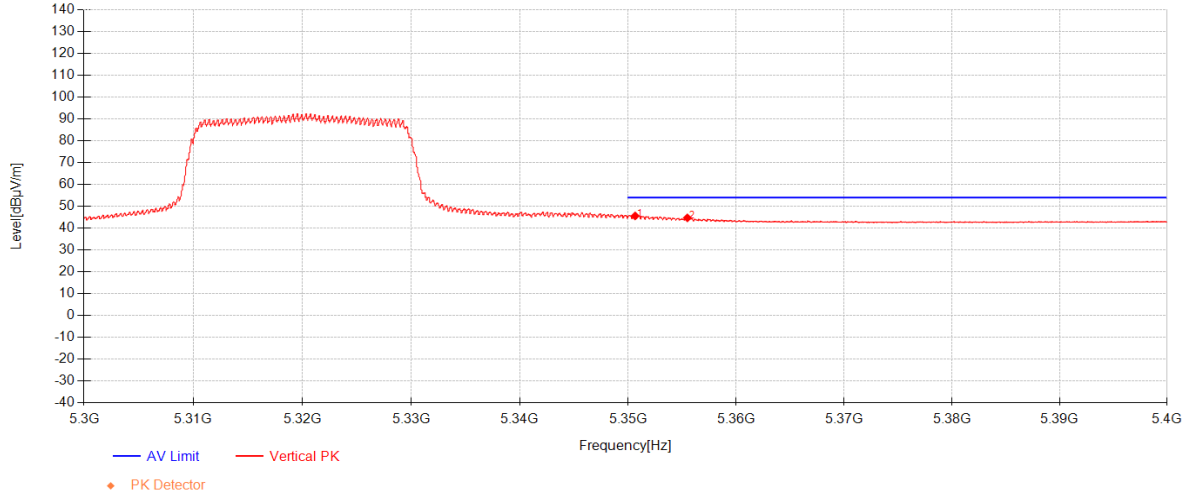
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.55	31.48	32.18	-16.93	46.73	54.00	7.27	Horizontal
2	5355	30.07	32.19	-16.91	45.36	54.00	8.64	Horizontal

11ax(HE20)_TX_CH_64_Vertical_Peak



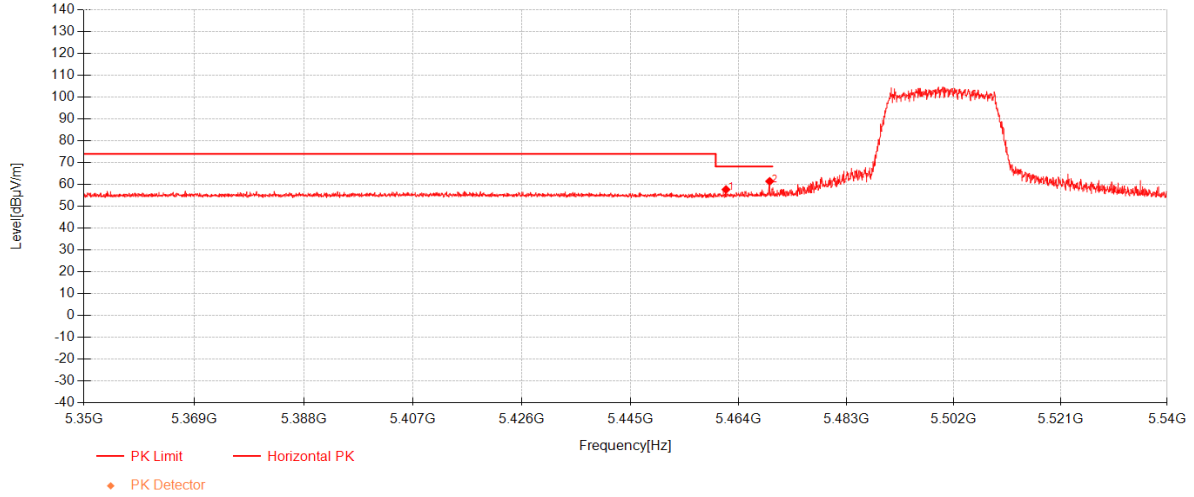
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.1	44.65	32.18	-16.92	59.91	74.00	14.09	Vertical
2	5355.675	43.32	32.20	-16.90	58.61	74.00	15.39	Vertical

11ax(HE20)_TX_CH_64_Vertical_Average



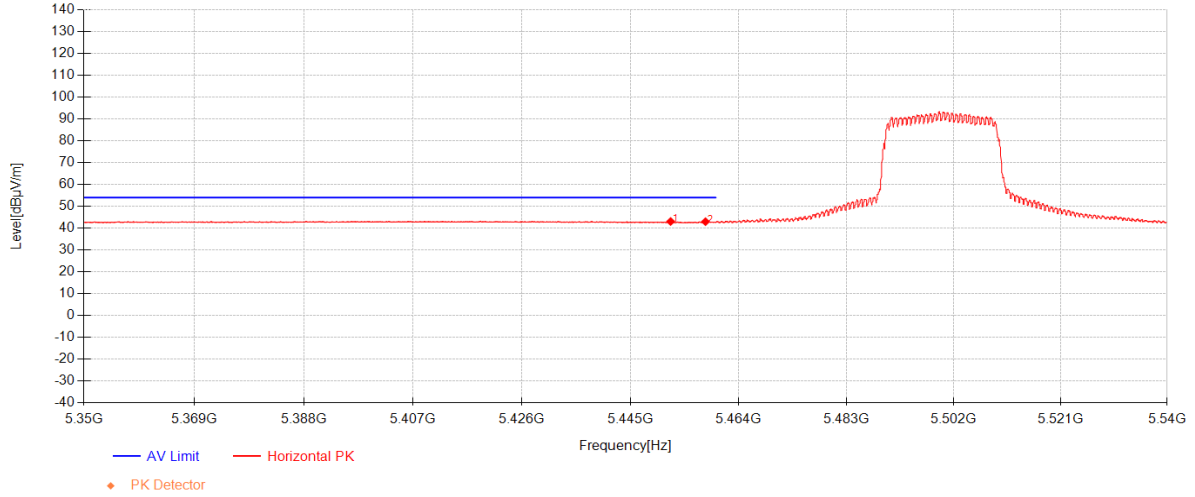
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.65	30.35	32.18	-16.93	45.61	54.00	8.39	Vertical
2	5355.475	29.42	32.20	-16.90	44.71	54.00	9.29	Vertical

11ax(HE20)_TX_CH_100_Horizontal_Peak



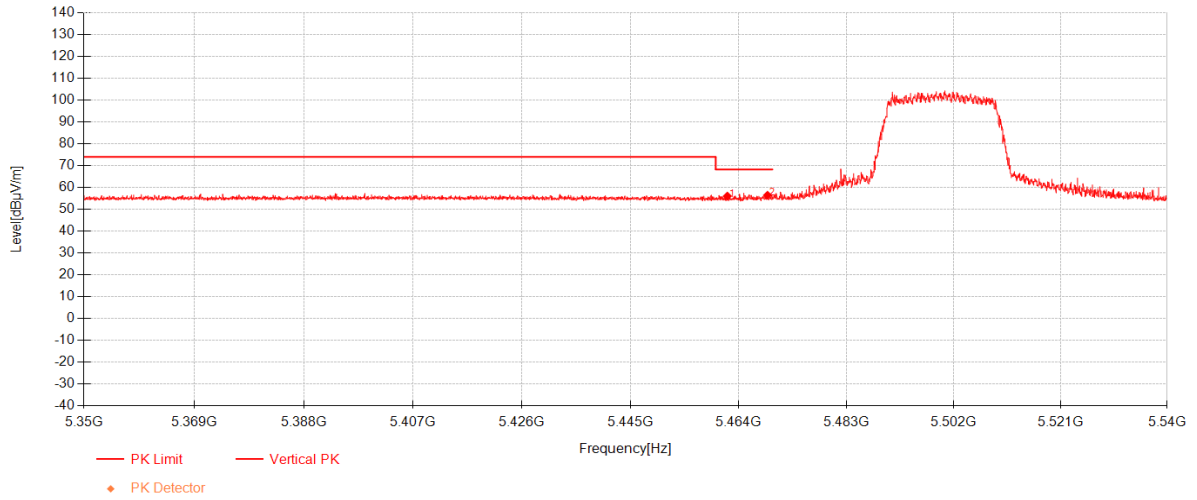
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5461.815	42.23	32.49	-17.01	57.71	68.30	10.59	Horizontal
2	5469.51	46.00	32.51	-17.06	61.46	68.30	6.84	Horizontal

11ax(HE20)_TX_CH_100_Horizontal_Average



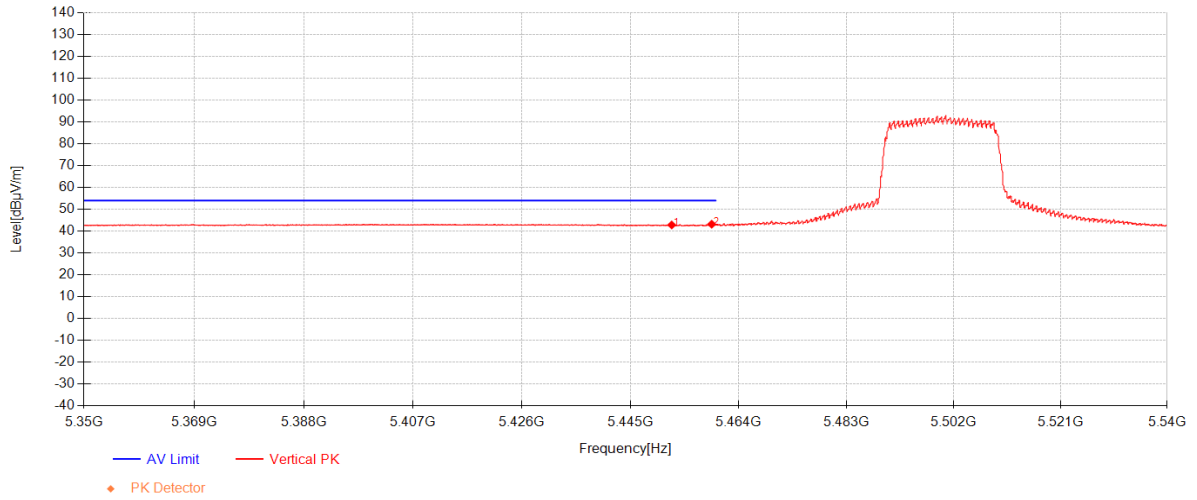
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5452.0775	27.55	32.47	-16.96	43.05	54.00	10.95	Horizontal
2	5458.205	27.47	32.48	-16.99	42.96	54.00	11.04	Horizontal

11ax(HE20)_TX_CH_100_Vetical_Peak



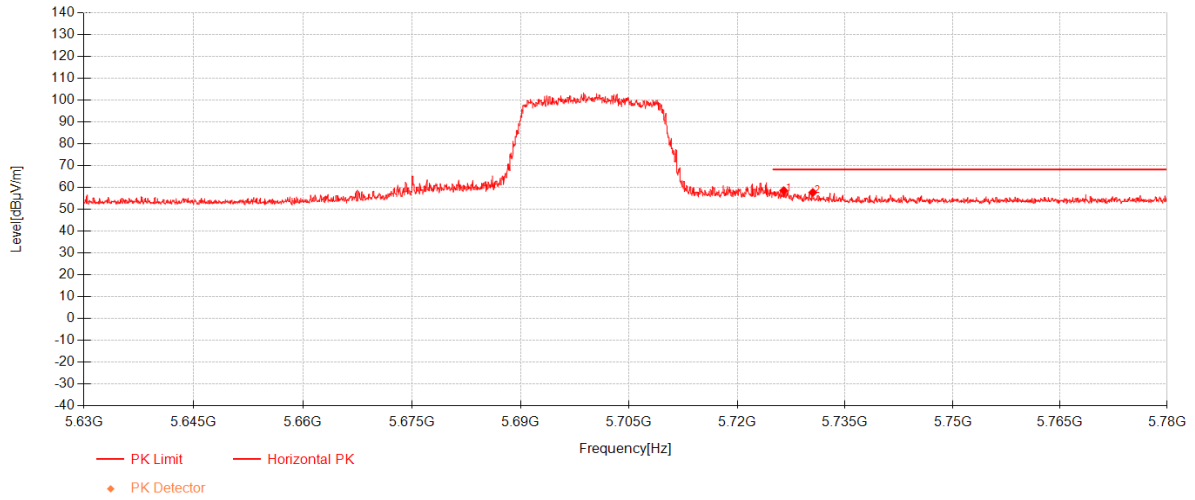
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5462.0525	40.59	32.49	-17.02	56.07	68.30	12.23	Vertical
2	5469.13	41.04	32.51	-17.05	56.50	68.30	11.80	Vertical

11ax(HE20)_TX_CH_100_Vetical_Average



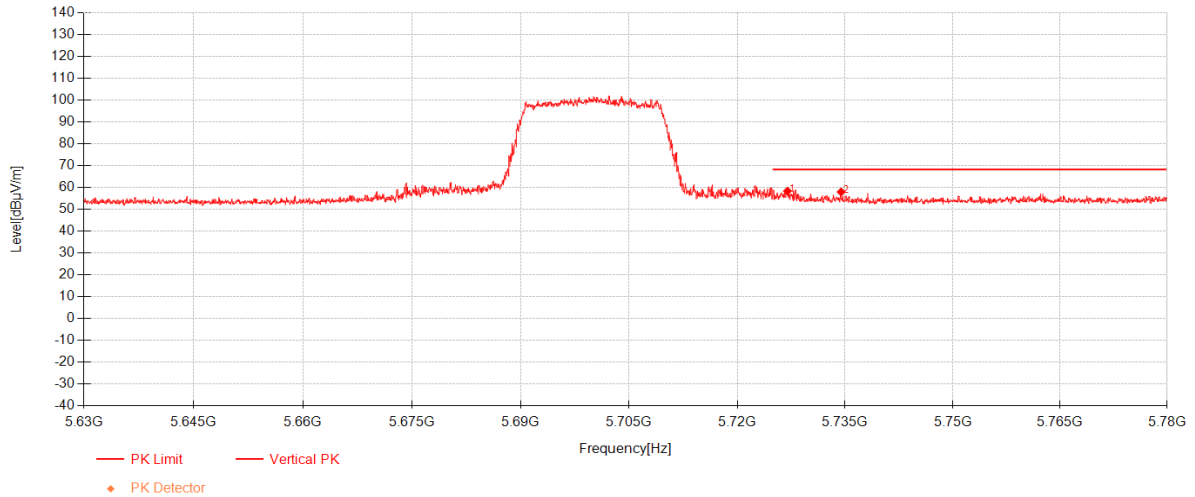
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5452.2675	27.34	32.47	-16.96	42.84	54.00	11.16	Vertical
2	5459.2975	27.69	32.49	-17.00	43.18	54.00	10.82	Vertical

11ax(HE20)_TX_CH_140_Horizontal_Peak



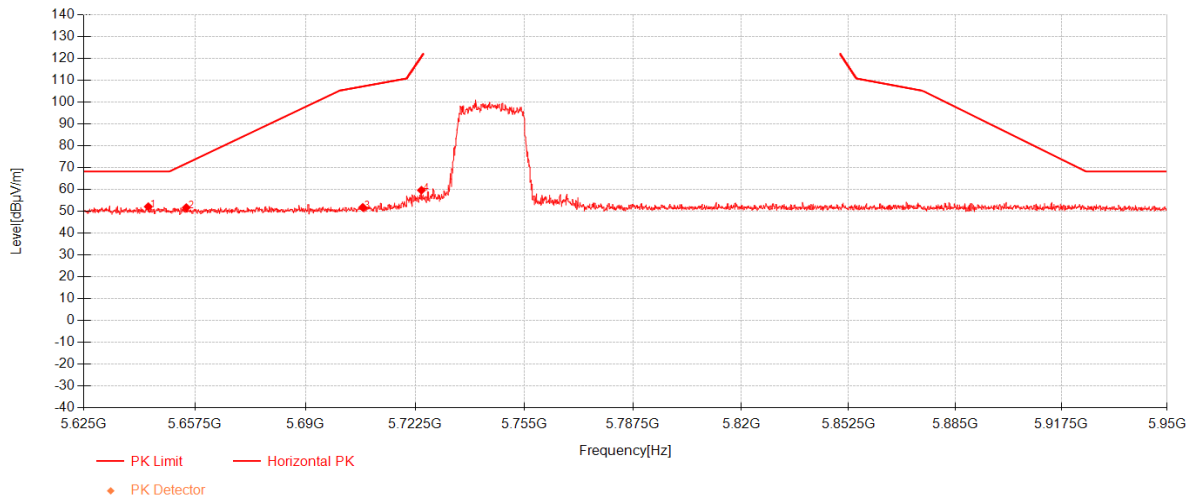
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.45	42.76	32.69	-16.85	58.60	68.30	9.70	Horizontal
2	5730.5	41.89	32.69	-16.84	57.74	68.30	10.56	Horizontal

11ax(HE20)_TX_CH_140_Vertical_Peak



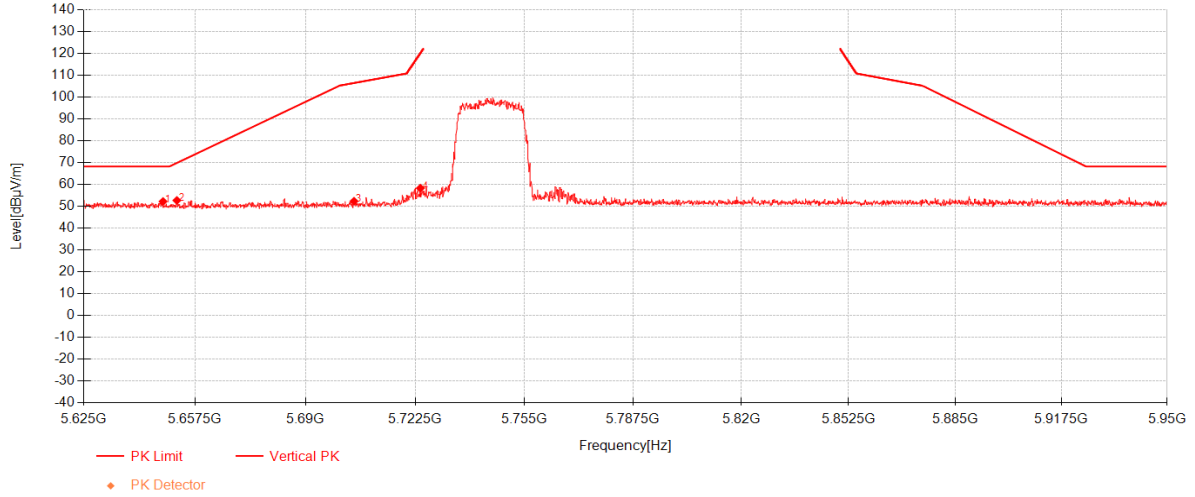
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.975	42.54	32.69	-16.85	58.38	68.30	9.92	Vertical
2	5734.4375	42.13	32.69	-16.82	58.00	68.30	10.30	Vertical

11ax(HE20)_TX_CH_149_Horizontal_Peak



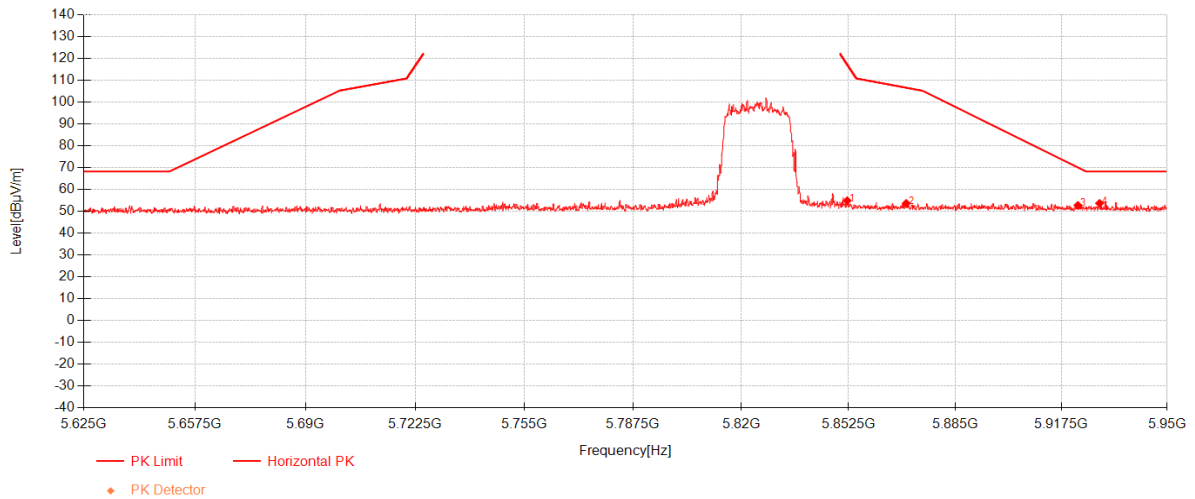
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5643.7688	38.94	32.66	-19.46	52.14	68.30	16.16	Horizontal
2	5654.9	38.53	32.66	-19.46	51.73	71.94	20.21	Horizontal
3	5706.9	38.57	32.68	-19.43	51.83	107.23	55.40	Horizontal
4	5724.2875	46.30	32.69	-19.31	59.68	120.68	61.00	Horizontal

11ax(HE20)_TX_CH_149_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5648.075	39.01	32.66	-19.46	52.21	68.30	16.09	Vertical
2	5652.1375	39.50	32.66	-19.46	52.70	69.89	17.19	Vertical
3	5704.3	39.10	32.68	-19.44	52.34	106.51	54.17	Vertical
4	5723.9625	44.95	32.69	-19.32	58.32	119.94	61.62	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	5852.0938	40.96	32.74	-18.81	54.89	117.53	62.64	Horizontal
2	5870.05	39.69	32.75	-18.80	53.64	106.68	53.04	Horizontal
3	5922.5375	38.91	32.77	-18.95	52.73	70.11	17.38	Horizontal
4	5929.2	39.89	32.77	-18.99	53.67	68.30	14.63	Horizontal