

TEST REPORT

Application No.: SUCR2603000246MO
FCC ID: XMR25FCS962NLP
Applicant: Quectel Wireless Solutions Co., Ltd.
Address of Applicant: No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
Manufacturer: Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer: No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
Equipment Under Test (EUT):
EUT Name: Wi-Fi & Bluetooth Module
Model No.: FCS962N-LP
Trade Mark: QUECTEL
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2026-03-24
Date of Test: 2026-03-30 to 2026-04-17
Date of Issue: 2026-04-21

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	2026-04-21	/

Authorized for issue by:			
Tested By		Nature Shen	
		Nature Shen/Project Engineer	
Approved By		Cedar cheng	
		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

Item	Standard	Method	Requirement	Result
Duty Cycle	47 CFR Part 15, Subpart E 15.407	KDB 789033 II B 1	KDB 789033 D02 II B 1	Reference report PD20240166-R3E
99% Bandwidth		KDB 789033 II D	N/A	Reference report PD20240166-R3E
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Reference report PD20240166-R3E
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Reference report PD20240166-R3E
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Reference report PD20240166-R3E
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Reference report PD20240166-R3E
Non-occupancy period		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Reference report PD20240166-R3E
Channel Availability Check Time		KDB 905462 D02 Section 7.8.2	KDB 905462 D02 Section 5.1	Reference report PD20240166-R3E
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Reference report PD20240166-R3E
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Reference report PD20240166-R3E

Item	Standard	Method	Requirement	Result
U-NII Detection Bandwidth		KDB 905462 D02 Section 7.8.1	KDB 905462 D02 Section 5.1	Reference report PD20240166-R3E

Remark:

This test report (Report No.: SUCR260300024604 issue on 2026/04/21) is based on the original test report (Report No.: PD20240166-R3E & PD20240166-R3D issue on 2025/03/04).

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

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

Therefore in this report only Radiated Emissions which fall in the restricted bands, Radiated Spurious Emissions and Maximum Conducted Output Power were performed based on the worst case of the original report with report number PD20240166-R3E & PD20240166-R3D issue on 2025/03/04 and other test data in this report are based on the previous report with report number PD20240166-R3E & PD20240166-R3D issue on 2025/03/04.

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4 General Information

4.1 Details of E.U.T.

Power supply:	3.3V
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:	PIFA Antenna
Antenna Number:	1
Hardware Version:	R1.0
Software Version:	/
SN:	D1825FN0N001966; D1825FN0N001955
Antenna Gain:	2.4 dBi (Provided by the manufacturer)

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	25	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
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
RF Conducted Test						
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/14/2026	1/13/2027
2	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-15	11/21/2025	11/20/2026
3	MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	1/14/2026	1/13/2027
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	SUWI-01-07-08	1/14/2026	1/13/2027
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-08-01	1/14/2026	1/13/2027
6	MXG Vector Signal Generator	ROHDE&SCHWARZ	SMR20	SUWI-01-33-01	11/21/2025	11/20/2026
7	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-13	5/8/2025	5/7/2026
8	Wideband Radio Communication Test Station	Anritsu	MT8000A	SUWI-01-34-02	11/21/2025	11/20/2026
9	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/21/2025	11/20/2026
10	Power meter	Anritsu	ML2495A	SUWI-01-31-01	11/21/2025	11/20/2026
11	Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	11/21/2025	11/20/2026
12	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/14/2026	1/13/2027
13	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2/11/2026	2/10/2027
14	Temperature Chamber	GIANT FORCE	ICT-017-40-SP-SD	SUWI-01-13-02	5/7/2025	5/6/2026
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	1/15/2026	1/14/2027
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/3/2023	6/2/2026
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/14/2026	1/13/2027
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-09	11/21/2025	11/20/2026
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/14/2026	1/13/2027
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	1/14/2026	1/13/2027
6	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	9/10/2025	9/9/2027
7	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/7/2025	5/6/2027
8	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/7/2025	5/6/2027
9	Active Loop Antenna	SCHWRZBECK MESS-	FMZB 1519B	SUWI-01-21-01	5/7/2025	5/6/2027

		ELEKTRONIK				
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	1/14/2026	1/13/2027
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/14/2026	1/13/2027
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/14/2026	1/13/2027
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	11/21/2025	11/20/2026
14	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	8/25/2025	8/24/2026
15	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	8/26/2025	8/25/2026
16	Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/21/2025	11/20/2026
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	1/14/2026	1/13/2027
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/14/2026	1/13/2027
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/11/2026	2/10/2027
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

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 PIFA antenna and no consideration of replacement. The best case gain of the antenna is 2.40dBi.

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

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 Radiated Emissions (Below 1GHz)

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

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

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).

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

Humidity: 40 % RH

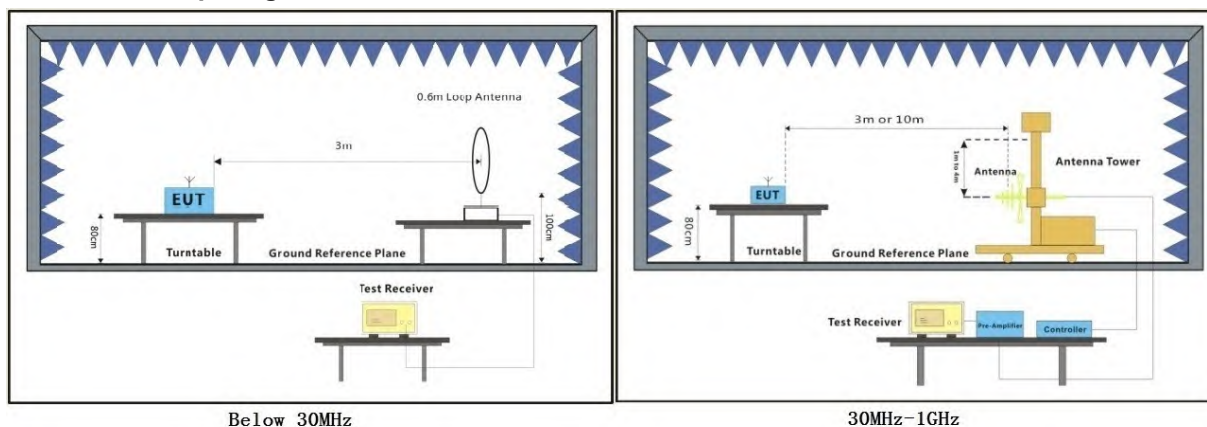
Atmospheric Pressure: 1001 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all

		modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Pre-scan	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 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.

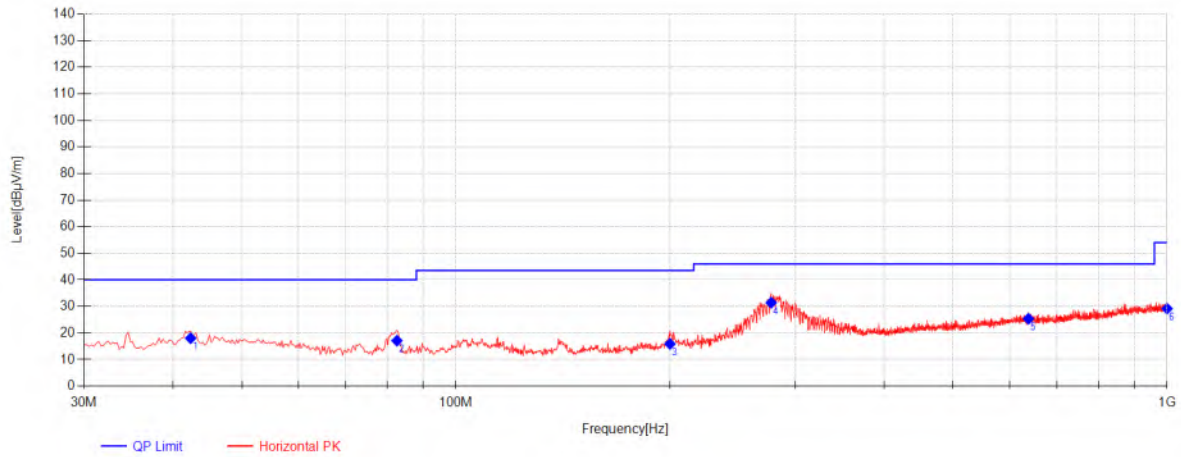
EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

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.

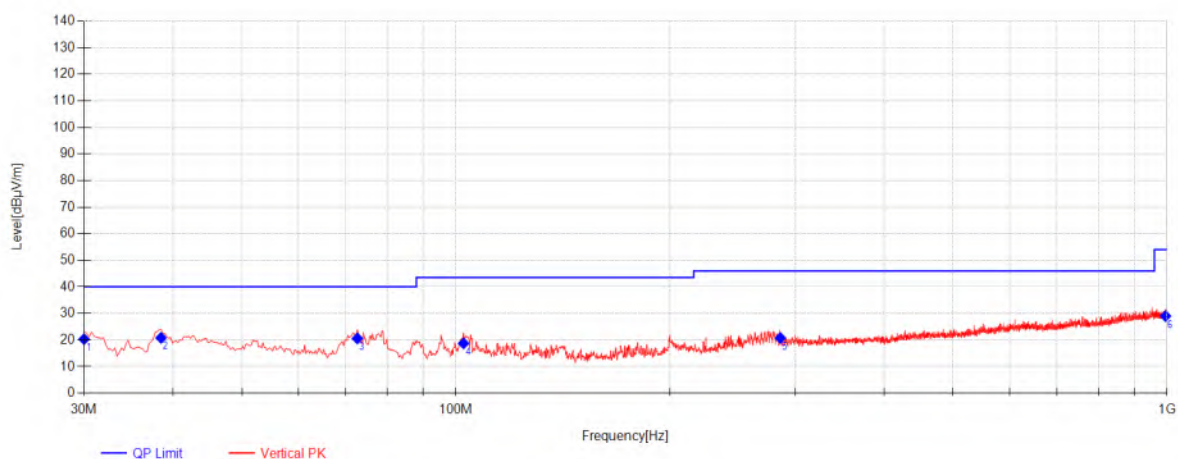
Test Mode: 04; Polarity: Horizontal



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.3675	39.96	19.21	-41.14	18.03	40.00	21.97	107	290	Horizontal
2	82.6225	43.32	14.32	-40.54	17.10	40.00	22.90	182	113	Horizontal
3	199.9925	33.59	21.58	-39.27	15.90	43.50	27.60	171	164	Horizontal
4	277.5925	50.87	18.95	-38.42	31.40	46.00	14.60	129	359	Horizontal
5	638.4325	36.59	24.77	-36.02	25.34	46.00	20.66	195	219	Horizontal
6	1000	34.74	28.10	-33.68	29.16	54.00	24.84	116	57	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]	Height [cm]	Angle [°]	Polarity
1	30	45.2	16.50	-41.39	20.31	40.00	19.69	127	281	Vertical
2	38.4875	43.38	18.65	-41.22	20.81	40.00	19.19	105	281	Vertical
3	72.68	45.32	16.00	-40.74	20.58	40.00	19.42	130	200	Vertical
4	102.5075	41.29	17.75	-40.33	18.71	43.50	24.79	148	251	Vertical
5	285.8375	40.08	19.02	-38.36	20.74	46.00	25.26	161	298	Vertical
6	995.15	34.63	28.10	-33.74	28.99	54.00	25.01	183	91	Vertical

7.2 Radiated Emissions (Above 1GHz)

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

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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20 °C

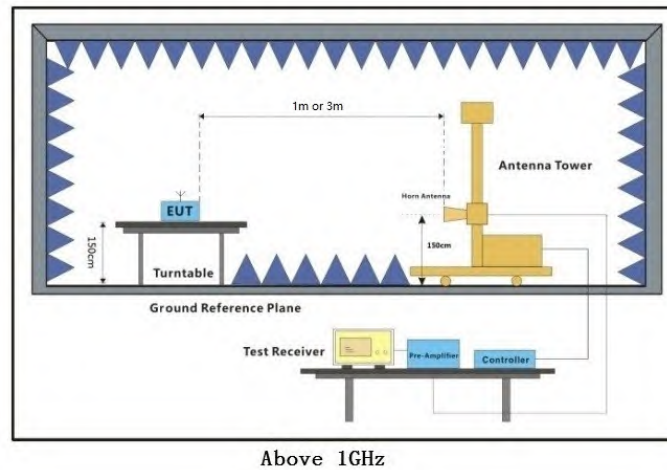
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



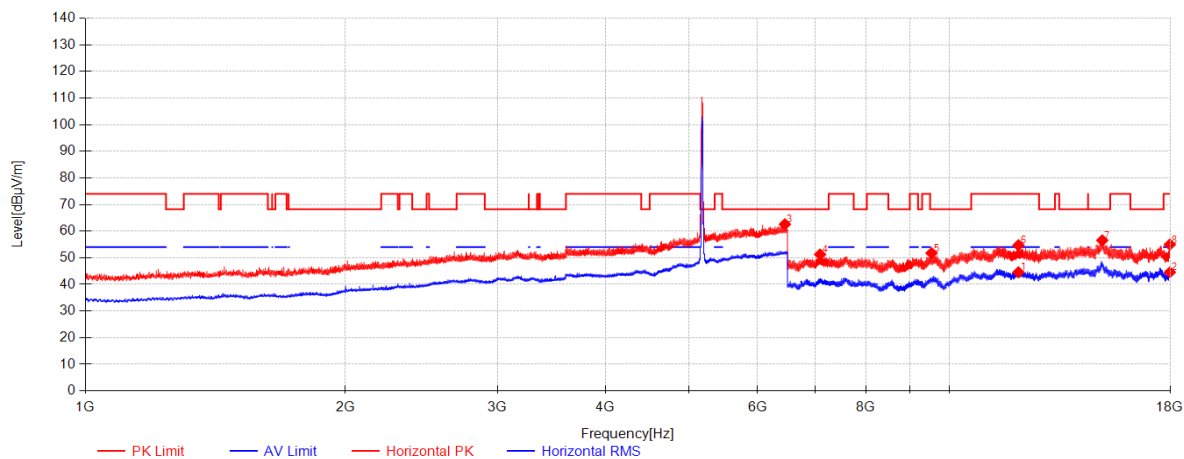
7.2.4 Measurement Procedure and Data

- a. For 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:

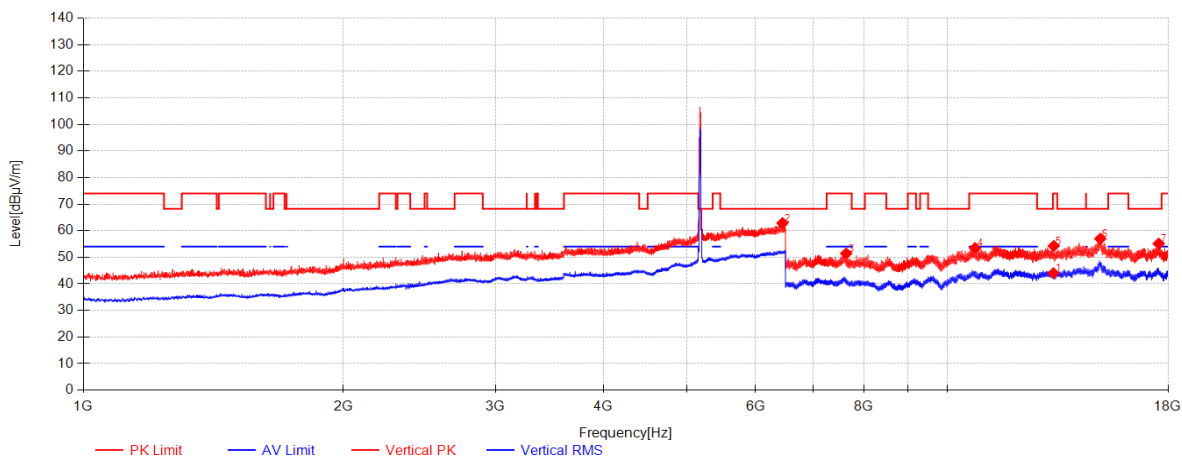
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, The points marked on below plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more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



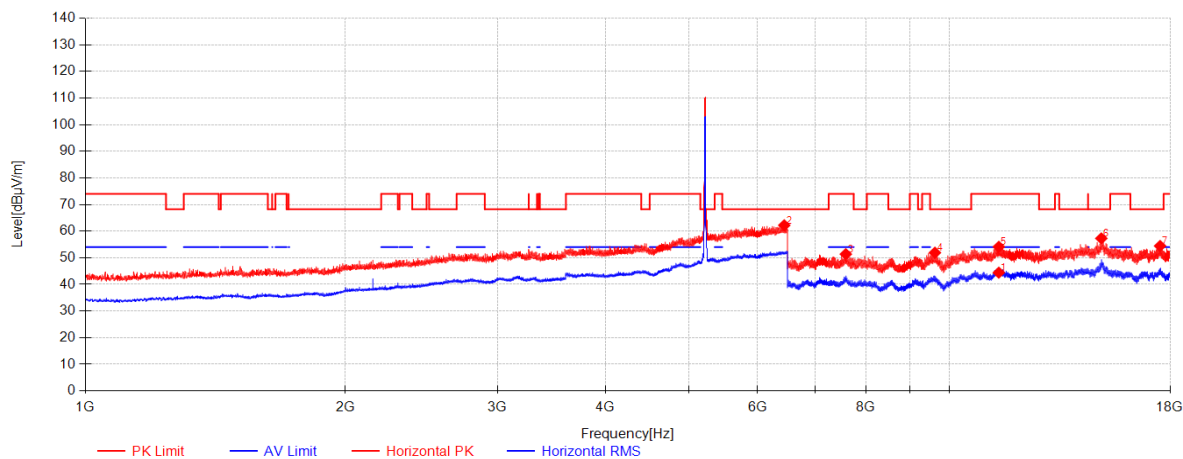
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12020.7667	45.08	39.88	-40.39	44.57	54.00	9.43	Horizontal
2	17997.3167	42.94	47.85	-46.22	44.57	54.00	9.43	Horizontal
3	6451.4167	40.10	34.11	-11.61	62.60	68.20	5.60	Horizontal
4	7085.35	55.41	36.11	-40.27	51.25	68.20	16.95	Horizontal
5	9536.3833	54.27	37.72	-40.23	51.76	68.20	16.44	Horizontal
6	12019.6167	55.24	39.88	-40.39	54.73	74.00	19.27	Horizontal
7	15028.0167	52.15	40.89	-36.48	56.56	68.20	11.64	Horizontal
8	17991.1833	53.41	47.74	-46.18	54.97	74.00	19.03	Horizontal

11a_TX_CH_36_Vertical



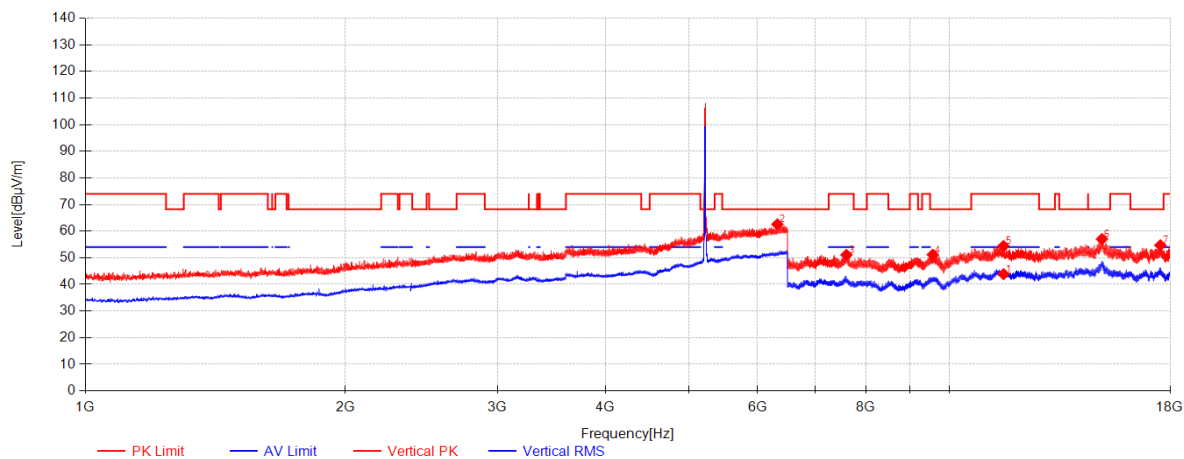
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	13266.9833	44.93	39.57	-40.49	44.01	54.00	9.99	Vertical
2	6444.5417	40.37	34.09	-11.60	62.86	68.20	5.34	Vertical
3	7637.35	54.89	36.83	-40.28	51.44	74.00	22.56	Vertical
4	10764.2	54.65	39.26	-40.43	53.48	74.00	20.52	Vertical
5	13277.7167	55.23	39.58	-40.55	54.26	74.00	19.74	Vertical
6	15031.4667	52.59	40.87	-36.49	56.97	68.20	11.23	Vertical
7	17560.3167	52.57	44.74	-42.17	55.14	68.20	13.06	Vertical

11a_TX_CH_44_Horizontal



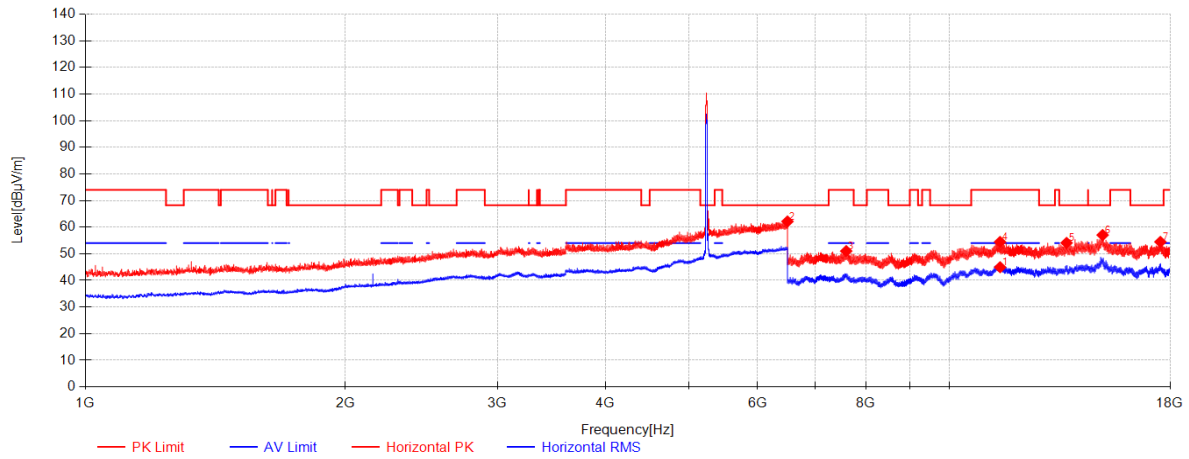
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11407.4333	44.34	40.59	-40.51	44.42	54.00	9.58	Horizontal
2	6440.4167	39.73	34.08	-11.59	62.22	68.20	5.98	Horizontal
3	7588.2833	54.61	36.85	-40.09	51.37	74.00	22.63	Horizontal
4	9621.8667	53.72	38.23	-40.04	51.91	68.20	16.29	Horizontal
5	11407.4333	54.06	40.59	-40.51	54.14	74.00	19.86	Horizontal
6	14991.2167	52.76	41.03	-36.51	57.28	68.20	10.92	Horizontal
7	17531.1833	52.03	44.62	-42.20	54.45	68.20	13.75	Horizontal

11a_TX_CH_44_Verical



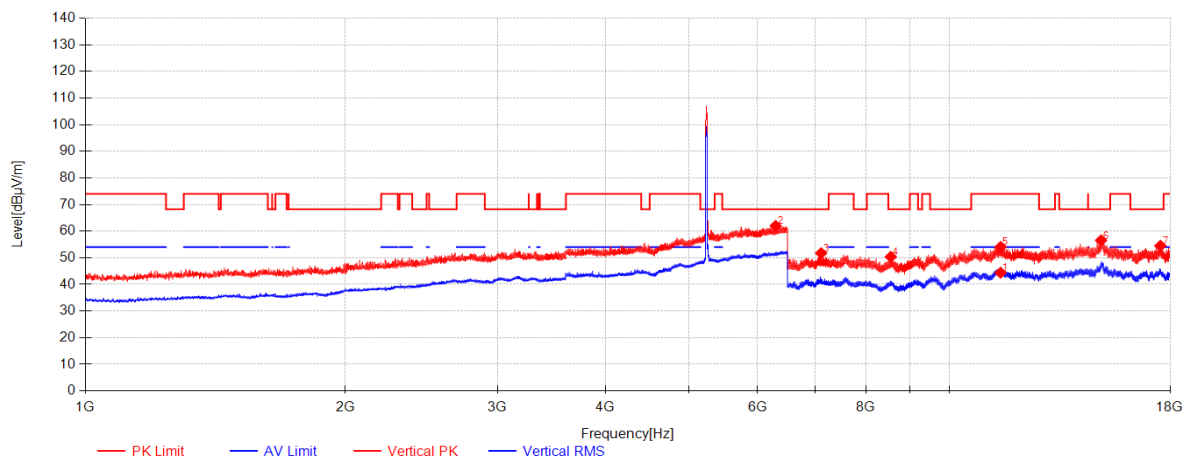
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11551.5667	43.97	40.55	-40.66	43.86	54.00	10.14	Vertical
2	6323.0833	40.79	33.44	-11.66	62.57	68.20	5.63	Vertical
3	7600.55	54.17	36.90	-40.00	51.07	74.00	22.93	Vertical
4	9568.2	53.38	37.91	-40.14	51.15	68.20	17.05	Vertical
5	11551.1833	54.53	40.55	-40.66	54.42	74.00	19.58	Vertical
6	15016.5167	52.55	40.93	-36.45	57.03	68.20	11.17	Vertical
7	17544.2167	52.22	44.68	-42.19	54.71	68.20	13.49	Vertical

11a_TX_CH_48_Horizontal



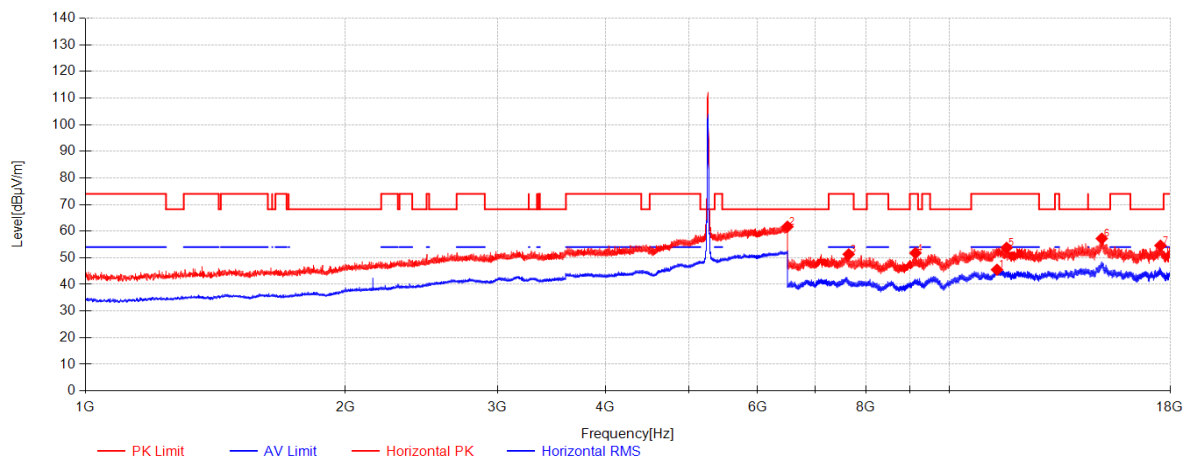
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11447.3	44.88	40.55	-40.48	44.95	54.00	9.05	Horizontal
2	6495.4167	39.26	34.55	-11.66	62.15	68.20	6.05	Horizontal
3	7595.95	54.16	36.88	-40.03	51.01	74.00	22.99	Horizontal
4	11445.7667	54.38	40.55	-40.48	54.45	74.00	19.55	Horizontal
5	13666.4167	54.11	40.47	-40.48	54.10	68.20	14.10	Horizontal
6	15042.5833	52.72	40.83	-36.51	57.04	68.20	11.16	Horizontal
7	17546.5167	51.97	44.69	-42.18	54.48	68.20	13.72	Horizontal

11a_TX_CH_48_Verical



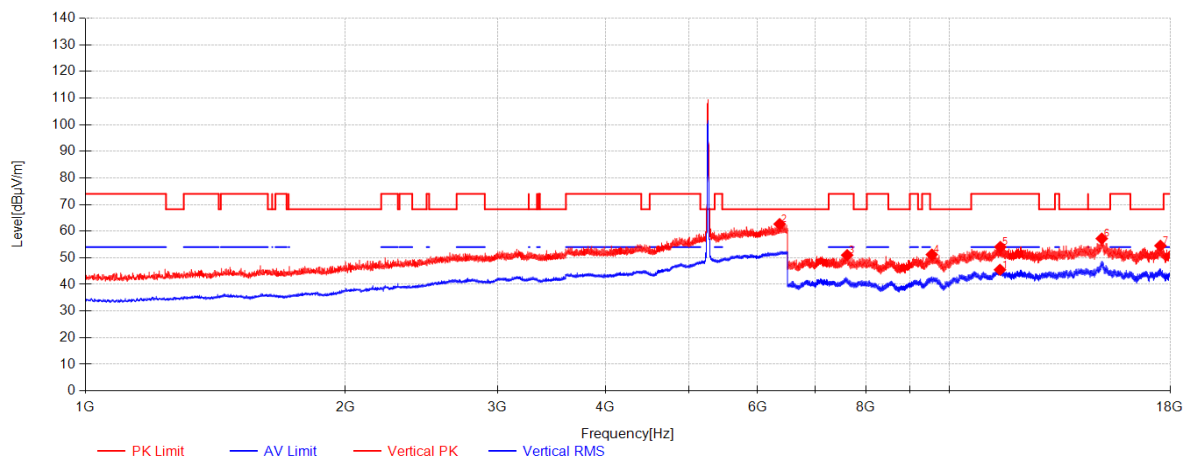
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11463.0167	44.32	40.54	-40.47	44.39	54.00	9.61	Vertical
2	6295.125	40.36	33.32	-11.69	61.99	68.20	6.21	Vertical
3	7105.2833	55.71	36.19	-40.17	51.73	68.20	16.47	Vertical
4	8553.9	53.76	36.89	-40.31	50.34	68.20	17.86	Vertical
5	11462.6333	54.00	40.54	-40.47	54.07	74.00	19.93	Vertical
6	14980.4833	52.12	41.06	-36.64	56.54	68.20	11.66	Vertical
7	17545.3667	52.00	44.68	-42.18	54.50	68.20	13.70	Vertical

11a_TX_CH_52_Horizontal



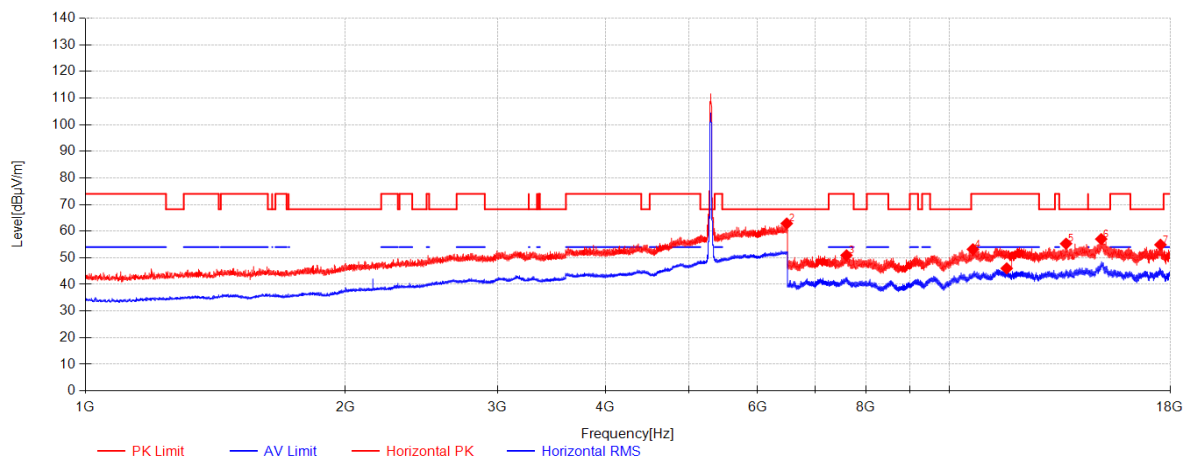
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11353.7667	45.80	40.51	-40.77	45.54	54.00	8.46	Horizontal
2	6495.4167	38.83	34.55	-11.66	61.72	68.20	6.48	Horizontal
3	7646.9333	54.86	36.81	-40.35	51.32	74.00	22.68	Horizontal
4	9136.1833	55.15	37.37	-40.74	51.78	74.00	22.22	Horizontal
5	11648.9333	53.93	40.40	-40.56	53.77	74.00	20.23	Horizontal
6	15008.85	52.70	40.96	-36.43	57.23	68.20	10.97	Horizontal
7	17549.5833	52.06	44.70	-42.18	54.58	68.20	13.62	Horizontal

11a_TX_CH_52_Vertical



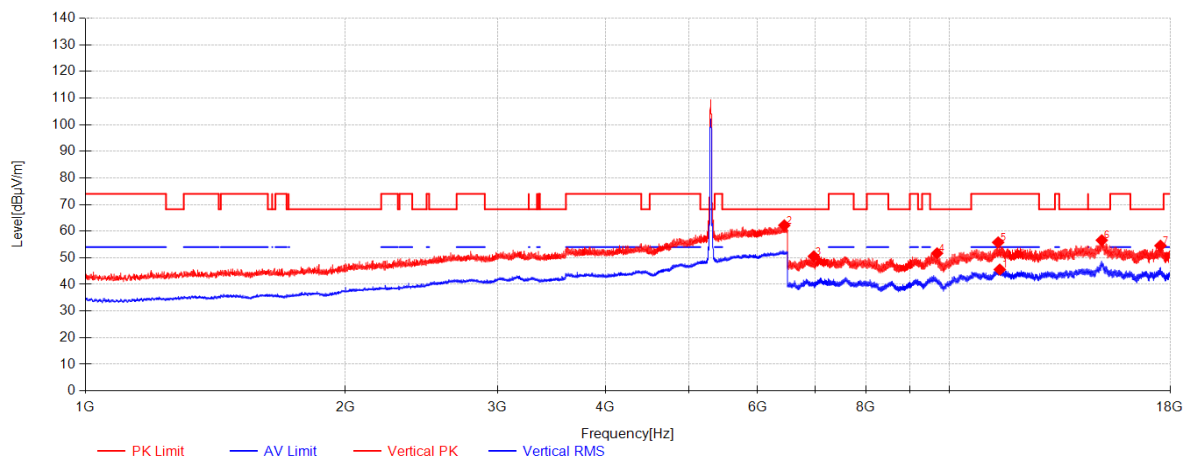
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11444.6167	45.42	40.56	-40.48	45.50	54.00	8.50	Vertical
2	6361.125	40.59	33.69	-11.60	62.68	68.20	5.52	Vertical
3	7615.5	54.23	36.87	-40.12	50.98	74.00	23.02	Vertical
4	9542.9	53.67	37.76	-40.22	51.21	68.20	16.99	Vertical
5	11454.5833	54.01	40.55	-40.48	54.08	74.00	19.92	Vertical
6	15008.85	52.68	40.96	-36.43	57.21	68.20	10.99	Vertical
7	17548.8167	52.01	44.70	-42.18	54.53	68.20	13.67	Vertical

11a_TX_CH_60_Horizontal



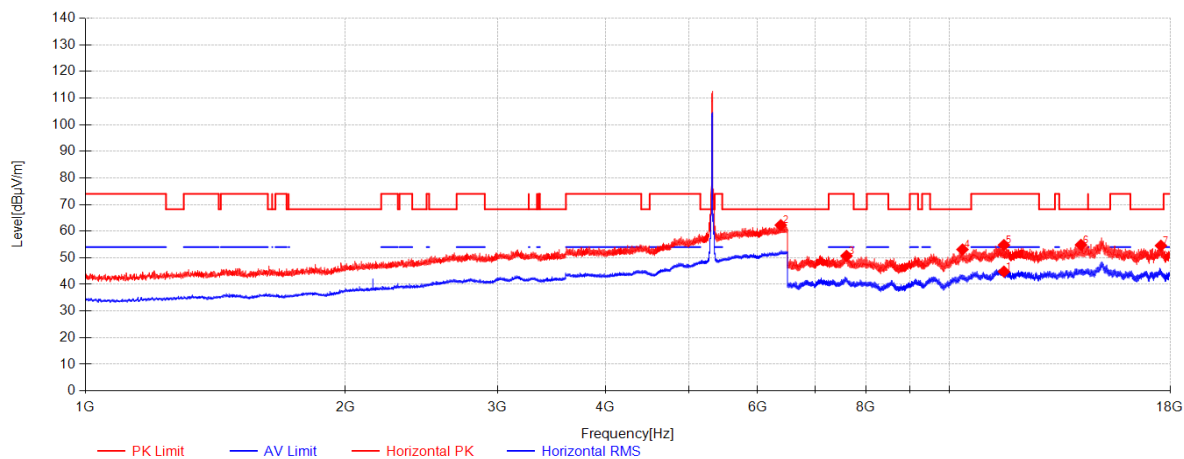
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11650.85	46.17	40.40	-40.54	46.03	54.00	7.97	Horizontal
2	6483.0417	40.10	34.43	-11.65	62.88	68.20	5.32	Horizontal
3	7602.4667	54.04	36.90	-40.02	50.92	74.00	23.08	Horizontal
4	10646.9	54.27	39.09	-40.17	53.19	74.00	20.81	Horizontal
5	13646.4833	55.48	40.45	-40.63	55.30	68.20	12.90	Horizontal
6	14987.3833	52.56	41.04	-36.56	57.04	68.20	11.16	Horizontal
7	17548.8167	52.38	44.70	-42.18	54.90	68.20	13.30	Horizontal

11a_TX_CH_60_Vertical



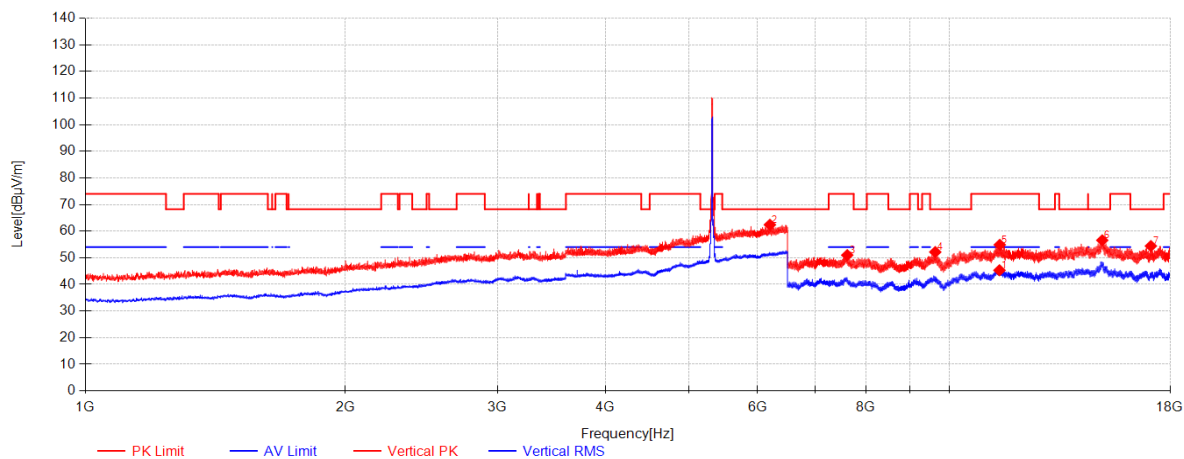
Data List								
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1	11438.1	45.51	40.56	-40.49	45.58	54.00	8.42	Vertical
2	6440.875	39.71	34.08	-11.59	62.20	68.20	6.00	Vertical
3	6968.05	55.82	35.49	-40.76	50.55	68.20	17.65	Vertical
4	9678.6	53.26	38.46	-40.02	51.70	68.20	16.50	Vertical
5	11387.8833	55.80	40.58	-40.58	55.80	74.00	18.20	Vertical
6	15008.85	52.06	40.96	-36.43	56.59	68.20	11.61	Vertical
7	17548.8167	52.03	44.70	-42.18	54.55	68.20	13.65	Vertical

11a_TX_CH_64_Horizontal



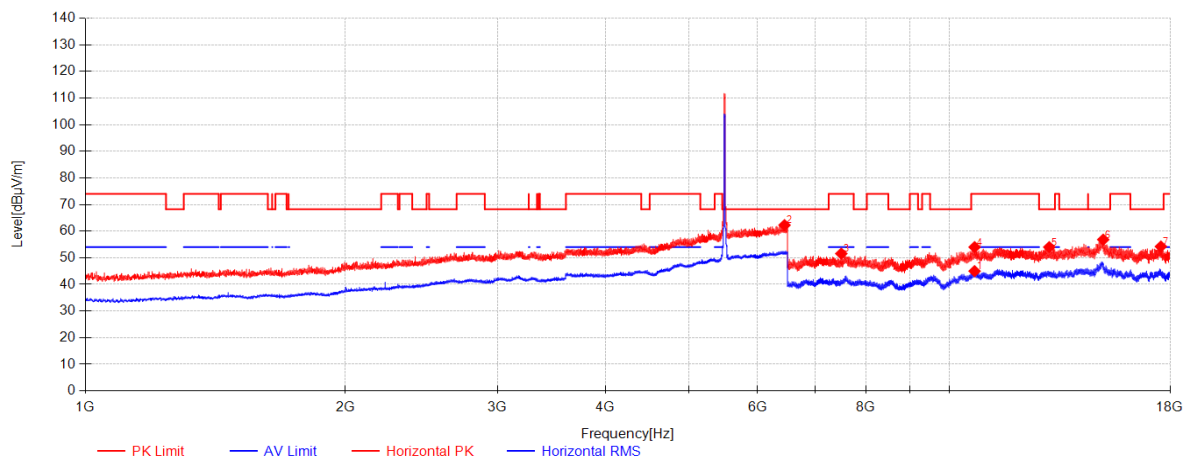
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11564.2167	44.98	40.56	-40.72	44.82	54.00	9.18	Horizontal
2	6380.375	40.00	33.84	-11.57	62.27	68.20	5.93	Horizontal
3	7602.4667	53.84	36.90	-40.02	50.72	74.00	23.28	Horizontal
4	10354.8	53.90	39.45	-40.23	53.12	68.20	15.08	Horizontal
5	11563.8333	54.92	40.56	-40.71	54.77	74.00	19.23	Horizontal
6	14201.1667	53.46	41.60	-40.21	54.85	68.20	13.35	Horizontal
7	17570.6667	51.95	44.78	-42.16	54.57	68.20	13.63	Horizontal

11a_TX_CH_64_Vertical



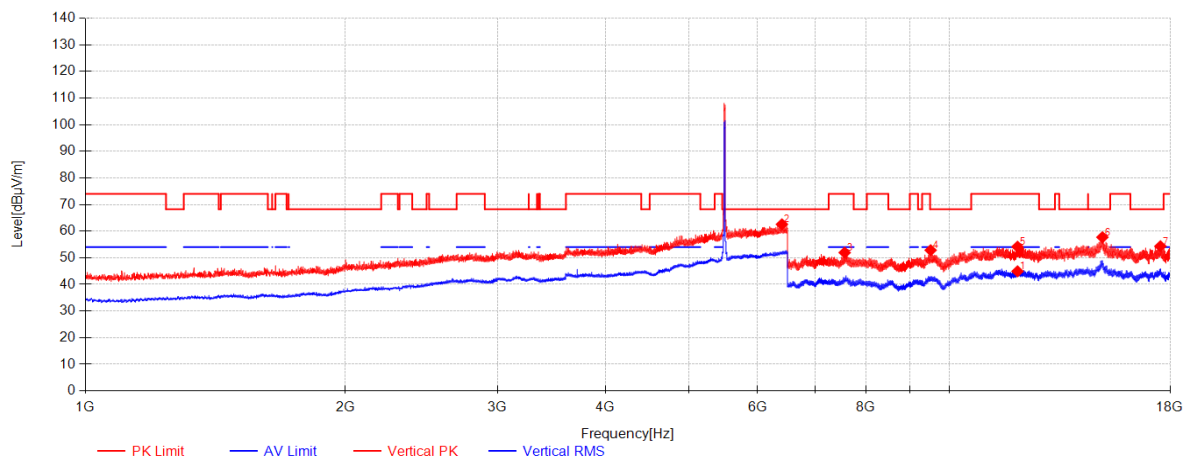
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11429.6667	45.25	40.57	-40.50	45.32	54.00	8.68	Vertical
2	6198.4167	40.35	33.79	-11.73	62.41	68.20	5.79	Vertical
3	7617.0333	54.26	36.87	-40.13	51.00	74.00	23.00	Vertical
4	9631.45	53.91	38.29	-40.04	52.16	68.20	16.04	Vertical
5	11436.5667	54.80	40.56	-40.49	54.87	74.00	19.13	Vertical
6	15028.7833	52.17	40.88	-36.48	56.57	68.20	11.63	Vertical
7	17107.2167	53.04	41.83	-40.45	54.42	68.20	13.78	Vertical

11a_TX_CH_100_Horizontal



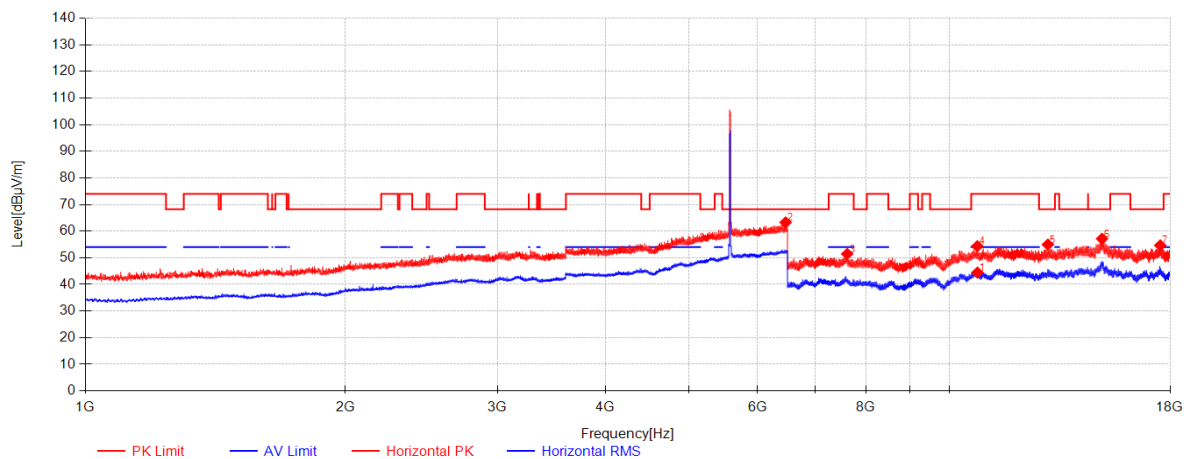
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10694.4333	45.95	39.19	-40.15	44.99	54.00	9.01	Horizontal
2	6445	39.78	34.09	-11.60	62.27	68.20	5.93	Horizontal
3	7497.8167	55.43	36.88	-40.75	51.56	74.00	22.44	Horizontal
4	10695.5833	54.97	39.19	-40.15	54.01	74.00	19.99	Horizontal
5	13048.8667	54.62	39.65	-40.25	54.02	68.20	14.18	Horizontal
6	15066.7333	52.66	40.73	-36.57	56.82	68.20	11.38	Horizontal
7	17569.1333	51.61	44.78	-42.16	54.23	68.20	13.97	Horizontal

11a_TX_CH_100_Vertical



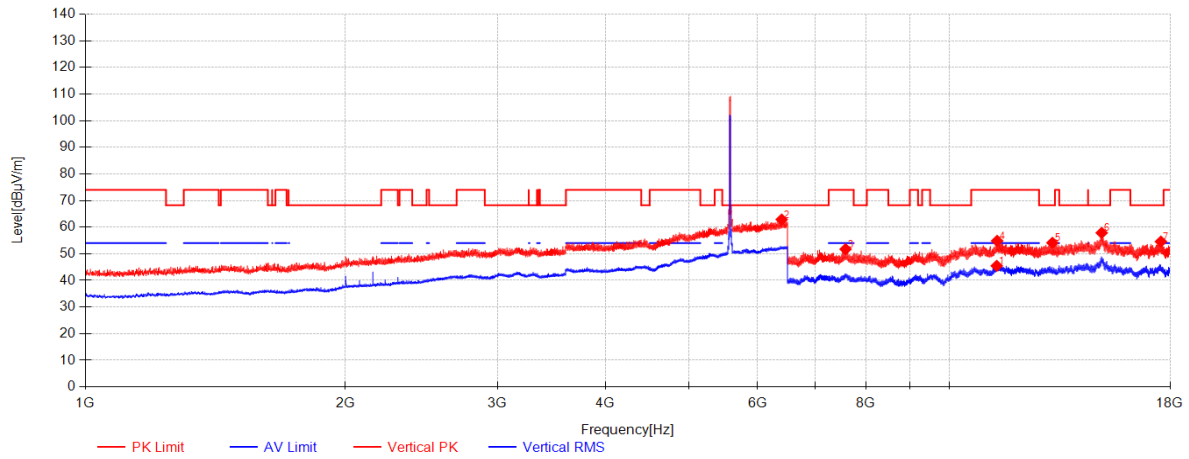
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11991.25	45.40	39.87	-40.35	44.92	54.00	9.08	Vertical
2	6400.0833	40.11	34.00	-11.54	62.57	68.20	5.63	Vertical
3	7565.2833	55.45	36.76	-40.26	51.95	74.00	22.05	Vertical
4	9513	55.56	37.58	-40.30	52.84	68.20	15.36	Vertical
5	11990.8667	54.64	39.87	-40.35	54.16	74.00	19.84	Vertical
6	15034.5333	53.35	40.86	-36.49	57.72	68.20	10.48	Vertical
7	17547.2833	51.83	44.69	-42.18	54.34	68.20	13.86	Vertical

11a_TX_CH_116_Horizontal



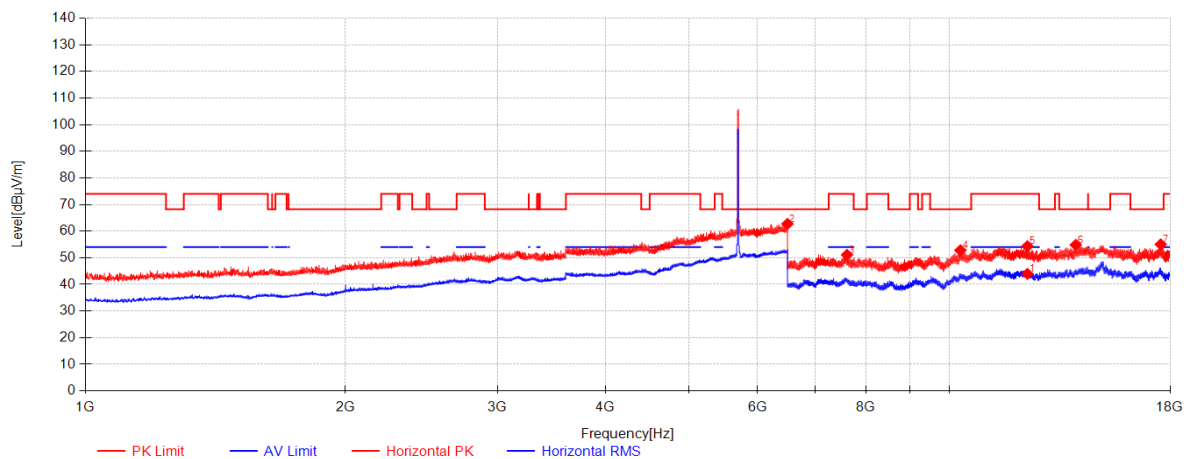
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	10776.4667	45.65	39.28	-40.48	44.45	54.00	9.55	Horizontal
2	6463.3333	40.68	34.23	-11.62	63.29	68.20	4.91	Horizontal
3	7616.2667	54.70	36.87	-40.12	51.45	74.00	22.55	Horizontal
4	10772.6333	55.56	39.27	-40.46	54.37	74.00	19.63	Horizontal
5	13000.95	55.72	39.50	-40.25	54.97	68.20	13.23	Horizontal
6	15019.5833	52.70	40.92	-36.46	57.16	68.20	11.04	Horizontal
7	17539.6167	52.20	44.66	-42.19	54.67	68.20	13.53	Horizontal

11a_TX_CH_116_Vertical



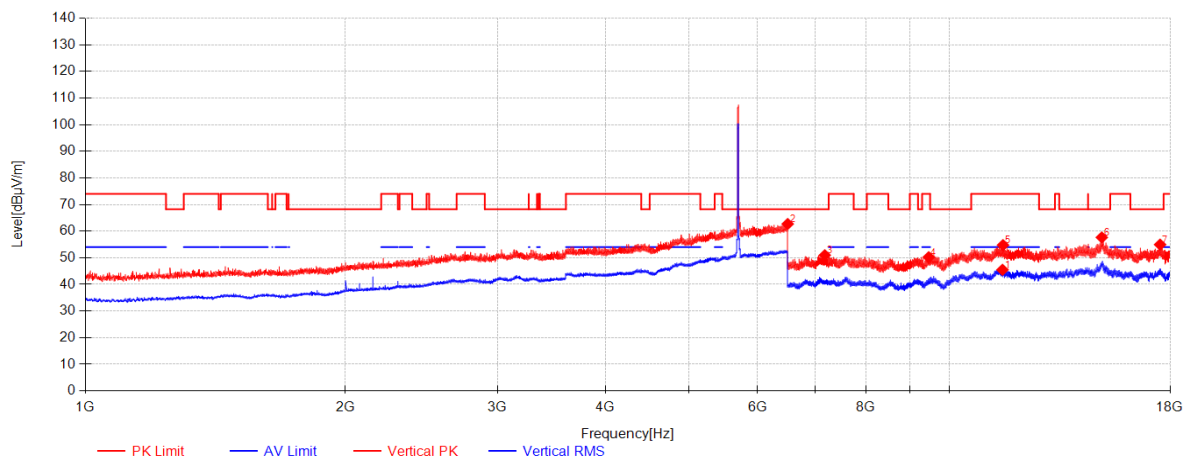
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11344.5667	45.80	40.49	-40.81	45.48	54.00	8.52	Vertical
2	6396.4167	40.45	33.97	-11.55	62.87	68.20	5.33	Vertical
3	7583.3	55.03	36.83	-40.13	51.73	74.00	22.27	Vertical
4	11357.6	55.08	40.52	-40.74	54.86	74.00	19.14	Vertical
5	13159.65	54.66	39.62	-40.16	54.12	68.20	14.08	Vertical
6	15008.4667	53.32	40.97	-36.43	57.86	68.20	10.34	Vertical
7	17572.2	51.95	44.79	-42.16	54.58	68.20	13.62	Vertical

11a_TX_CH_140_Horizontal



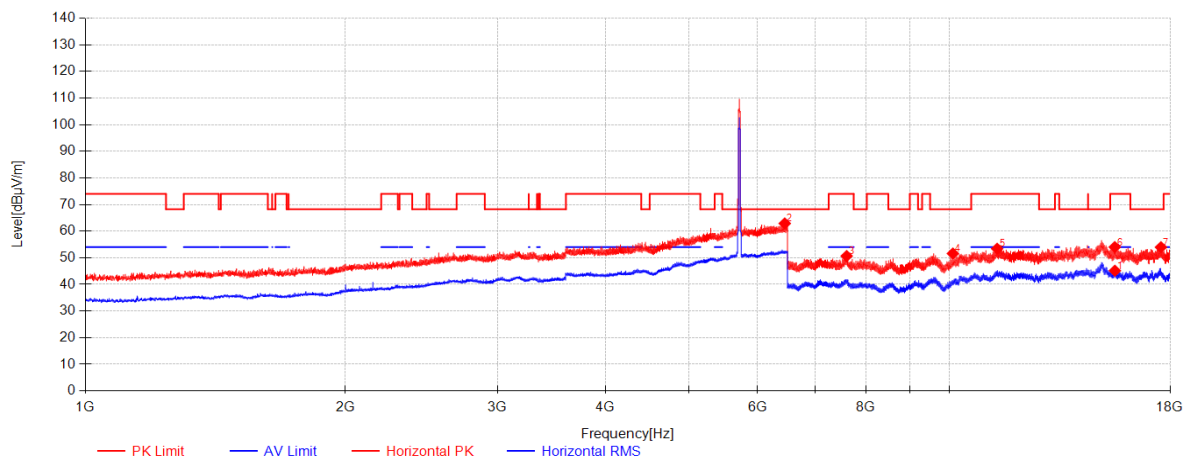
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12311.3333	45.00	39.50	-40.53	43.97	54.00	10.03	Horizontal
2	6495.875	39.83	34.56	-11.66	62.73	68.20	5.47	Horizontal
3	7612.4333	54.31	36.88	-40.09	51.10	74.00	22.90	Horizontal
4	10297.6833	53.64	39.39	-40.22	52.81	68.20	15.39	Horizontal
5	12310.95	55.39	39.50	-40.53	54.36	74.00	19.64	Horizontal
6	14004.5167	53.95	40.93	-40.03	54.85	68.20	13.35	Horizontal
7	17561.0833	52.46	44.74	-42.17	55.03	68.20	13.17	Horizontal

11a_TX_CH_140_Vertical



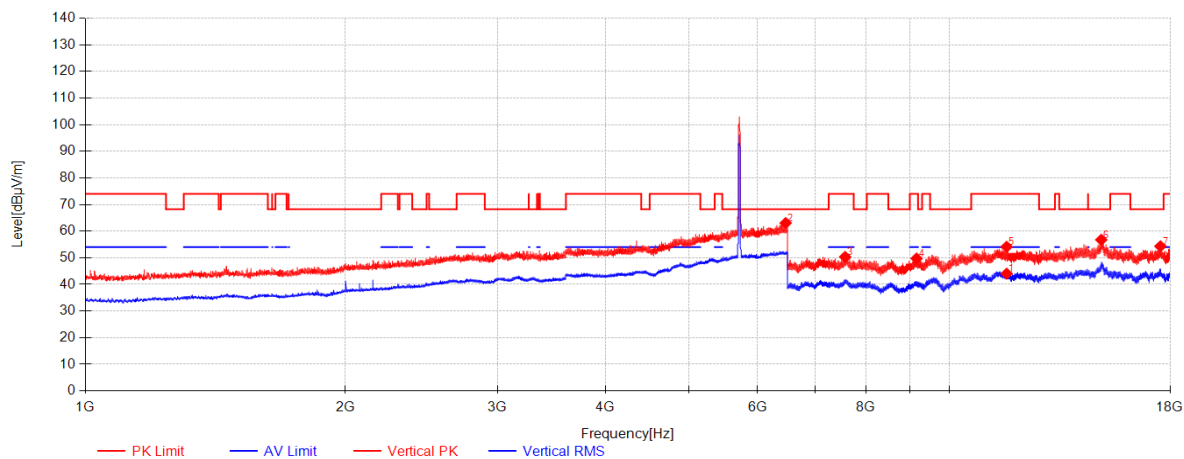
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11520.1333	45.51	40.52	-40.53	45.50	54.00	8.50	Vertical
2	6499.0833	39.78	34.59	-11.67	62.70	68.20	5.50	Vertical
3	7175.05	55.22	36.20	-40.46	50.96	68.20	17.24	Vertical
4	9464.7	53.08	37.71	-40.56	50.23	74.00	23.77	Vertical
5	11534.7	54.82	40.53	-40.59	54.76	74.00	19.24	Vertical
6	15010	53.12	40.96	-36.43	57.65	68.20	10.55	Vertical
7	17532.7167	52.52	44.63	-42.20	54.95	68.20	13.25	Vertical

11a_TX_CH_144_Horizontal



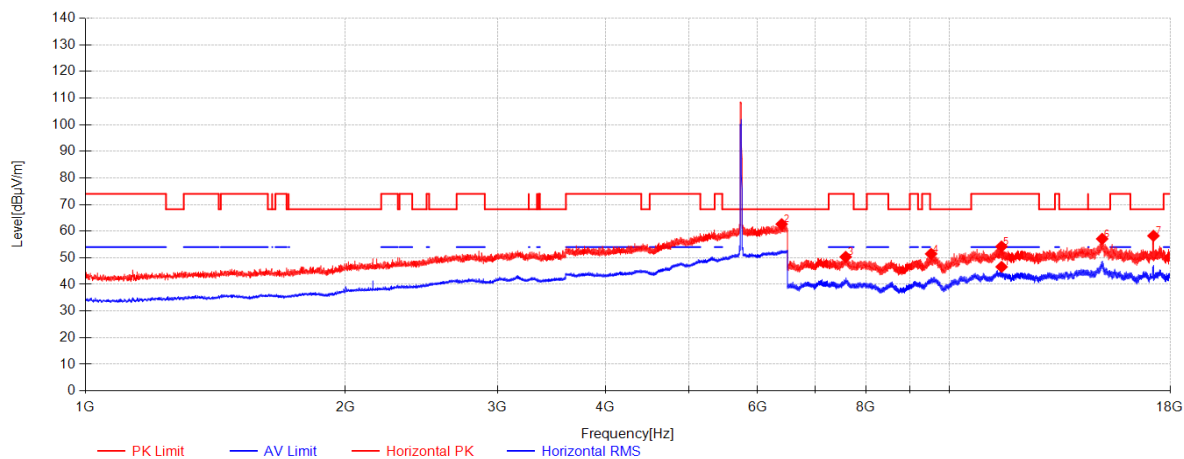
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	15543.9833	42.68	39.02	-36.55	45.15	54.00	8.85	Horizontal
2	6448.6667	40.39	34.10	-11.60	62.89	68.20	5.31	Horizontal
3	7605.15	53.81	36.89	-40.04	50.66	74.00	23.34	Horizontal
4	10094.1333	53.12	38.49	-40.01	51.60	68.20	16.60	Horizontal
5	11357.2167	53.66	40.51	-40.75	53.42	74.00	20.58	Horizontal
6	15539	51.53	39.04	-36.54	54.03	74.00	19.97	Horizontal
7	17574.8833	51.33	44.80	-42.16	53.97	68.20	14.23	Horizontal

11a_TX_CH_144_Veritical



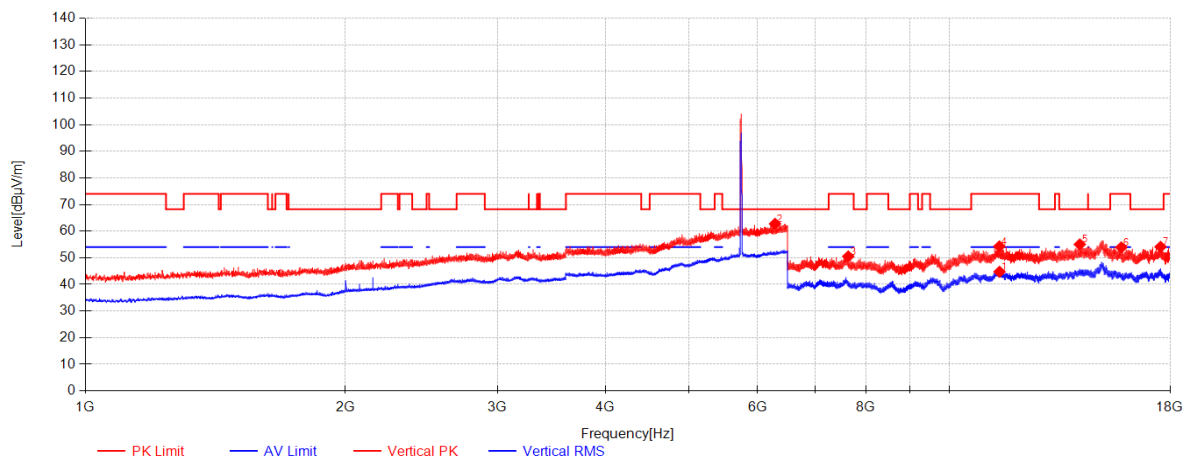
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11649.3167	44.19	40.40	-40.55	44.04	54.00	9.96	Vertical
2	6464.25	40.43	34.24	-11.62	63.05	68.20	5.15	Vertical
3	7574.1	53.71	36.80	-40.19	50.32	74.00	23.68	Vertical
4	9163.0167	53.22	37.35	-40.84	49.73	74.00	24.27	Vertical
5	11646.6333	54.29	40.41	-40.57	54.13	74.00	19.87	Vertical
6	14988.9167	52.26	41.03	-36.54	56.75	68.20	11.45	Vertical
7	17546.9	51.82	44.69	-42.18	54.33	68.20	13.87	Vertical

11a_TX_CH_149_Horizontal



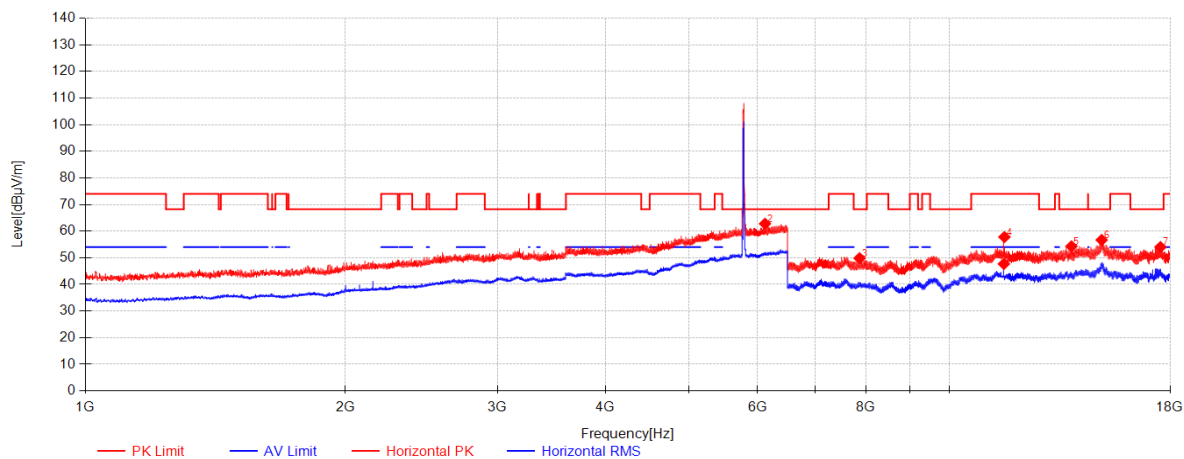
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11492.5333	46.54	40.51	-40.45	46.60	54.00	7.40	Horizontal
2	6395.9583	40.21	33.97	-11.55	62.63	68.20	5.57	Horizontal
3	7585.6	53.61	36.84	-40.11	50.34	74.00	23.66	Horizontal
4	9525.2667	54.09	37.65	-40.27	51.47	68.20	16.73	Horizontal
5	11490.6167	54.18	40.51	-40.45	54.24	74.00	19.76	Horizontal
6	15023.4167	52.67	40.91	-36.47	57.11	68.20	11.09	Horizontal
7	17225.6667	56.82	42.41	-40.97	58.26	68.20	9.94	Horizontal

11a_TX_CH_149_Vertical



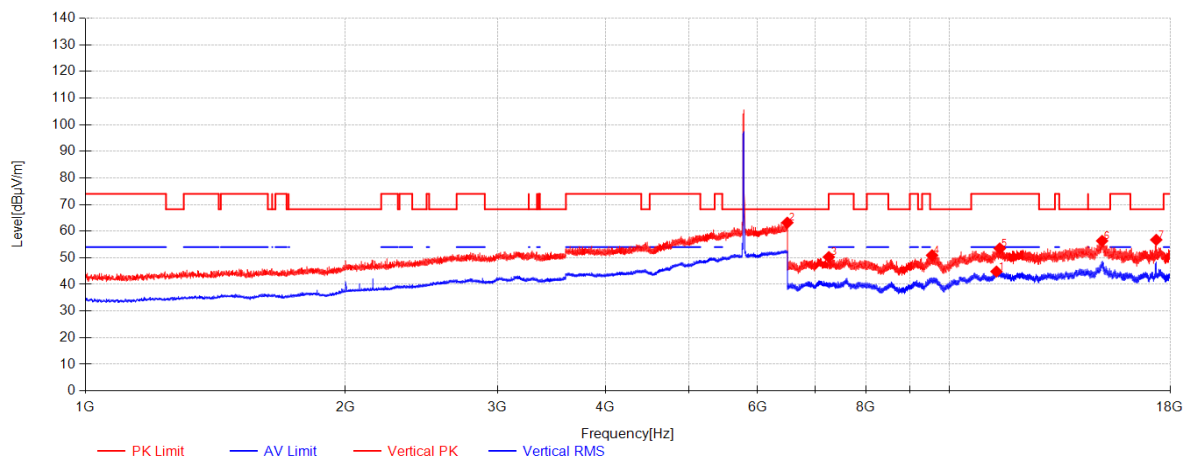
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11430.4333	44.67	40.57	-40.50	44.74	54.00	9.26	Vertical
2	6283.2083	41.09	33.37	-11.70	62.76	68.20	5.44	Vertical
3	7637.35	53.97	36.83	-40.28	50.52	74.00	23.48	Vertical
4	11424.6833	54.22	40.58	-40.50	54.30	74.00	19.70	Vertical
5	14155.1667	53.80	41.56	-40.33	55.03	68.20	13.17	Vertical
6	15810.7833	51.89	38.36	-36.35	53.90	74.00	20.10	Vertical
7	17555.7167	51.55	44.72	-42.17	54.10	68.20	14.10	Vertical

11a_TX_CH_157_Horizontal



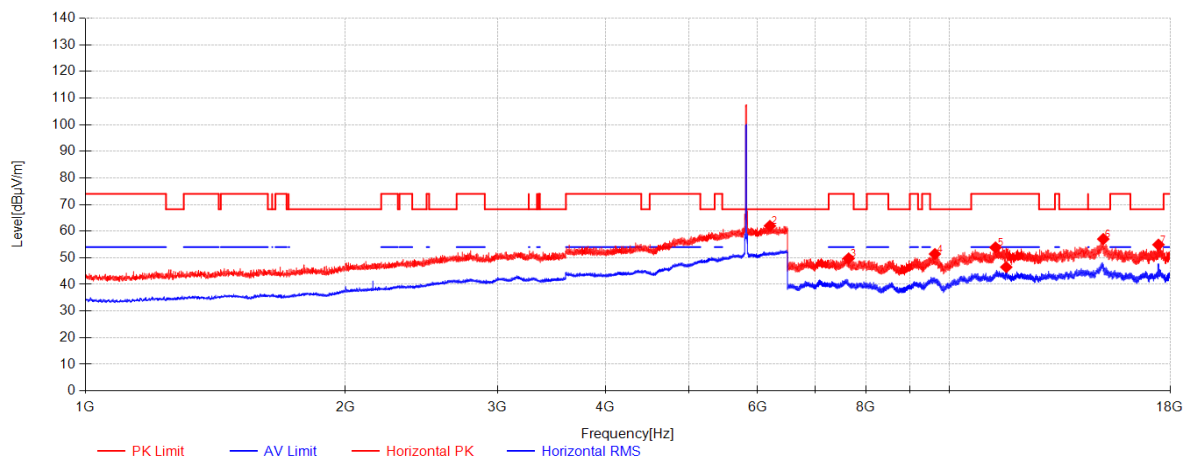
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11562.6833	47.84	40.56	-40.71	47.69	54.00	6.31	Horizontal
2	6118.2083	40.79	33.66	-11.65	62.80	68.20	5.40	Horizontal
3	7870.8	53.42	36.68	-40.26	49.84	68.20	18.36	Horizontal
4	11579.1667	57.99	40.58	-40.78	57.79	74.00	16.21	Horizontal
5	13844.2833	54.20	40.32	-40.22	54.30	68.20	13.90	Horizontal
6	15004.25	52.14	40.98	-36.42	56.70	68.20	11.50	Horizontal
7	17551.1167	51.52	44.70	-42.18	54.04	68.20	14.16	Horizontal

11a_TX_CH_157_Vertical



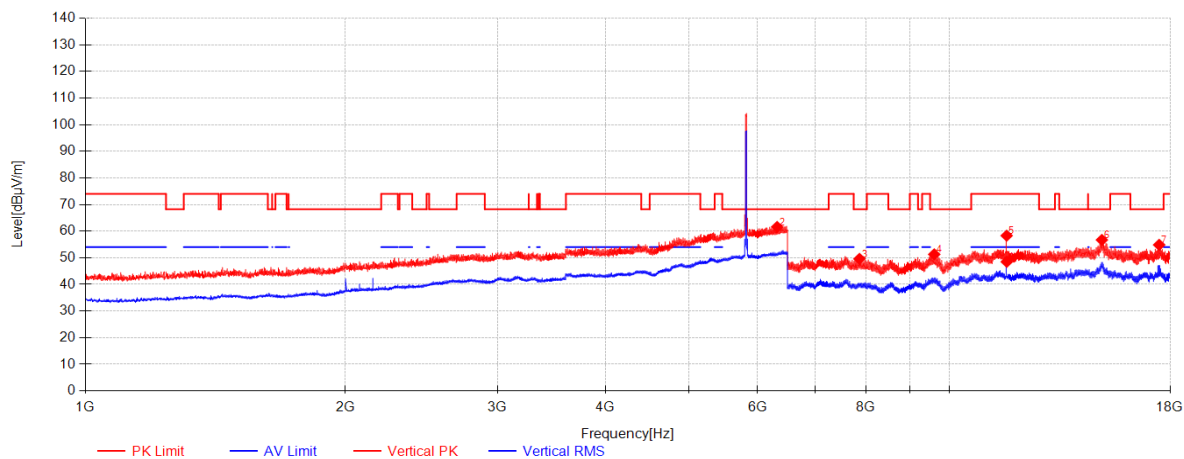
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11337.2833	45.22	40.47	-40.85	44.84	54.00	9.16	Vertical
2	6493.125	40.33	34.53	-11.66	63.20	68.20	5.00	Vertical
3	7253.25	54.05	36.61	-40.36	50.30	74.00	23.70	Vertical
4	9549.4167	53.33	37.80	-40.20	50.93	68.20	17.27	Vertical
5	11436.1833	53.44	40.56	-40.49	53.51	74.00	20.49	Vertical
6	15021.8833	51.91	40.91	-36.46	56.36	68.20	11.84	Vertical
7	17354.4667	55.42	43.65	-42.31	56.76	68.20	11.44	Vertical

11a_TX_CH_165_Horizontal



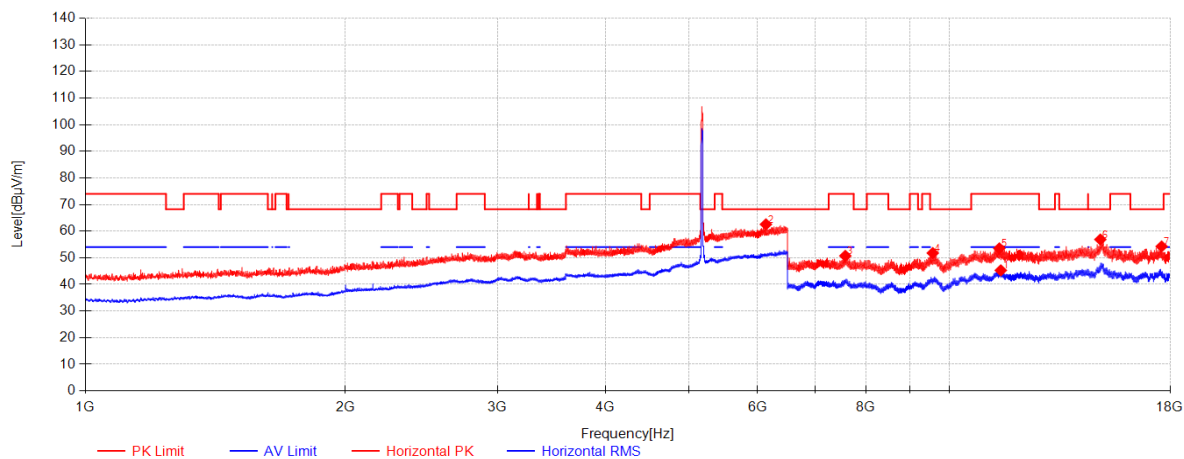
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11636.2833	46.69	40.45	-40.64	46.50	54.00	7.50	Horizontal
2	6198.875	39.90	33.80	-11.73	61.97	68.20	6.23	Horizontal
3	7645.7833	53.30	36.81	-40.34	49.77	74.00	24.23	Horizontal
4	9621.8667	53.24	38.23	-40.04	51.43	68.20	16.77	Horizontal
5	11306.2333	54.48	40.41	-41.02	53.87	74.00	20.13	Horizontal
6	15068.2667	52.88	40.73	-36.57	57.04	68.20	11.16	Horizontal
7	17456.8167	53.06	44.37	-42.51	54.92	68.20	13.28	Horizontal

11a_TX_CH_165_Verical



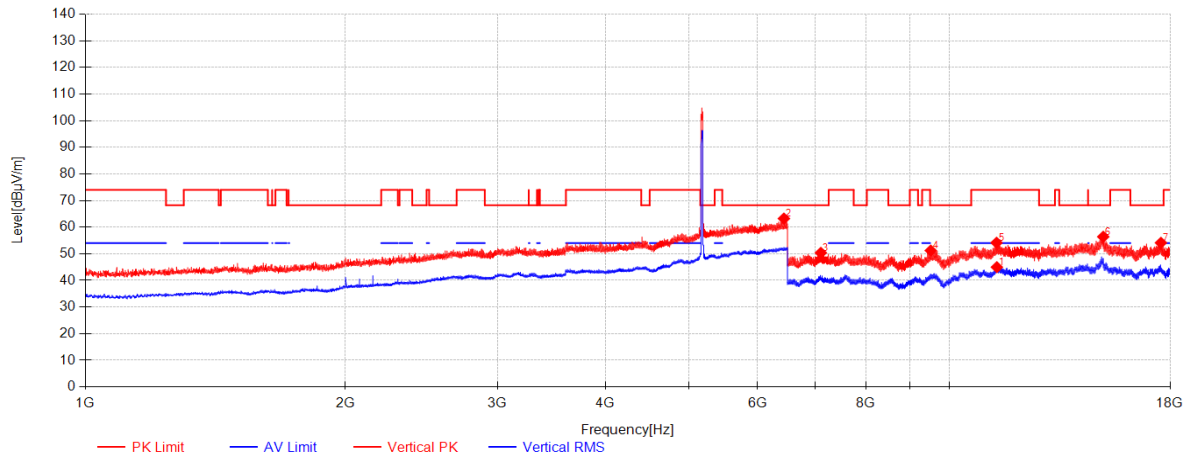
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11652.3833	48.63	40.39	-40.53	48.49	54.00	5.51	Vertical
2	6319.4167	39.82	33.42	-11.66	61.58	68.20	6.62	Vertical
3	7869.65	53.18	36.68	-40.26	49.60	68.20	18.60	Vertical
4	9604.2333	53.21	38.13	-40.05	51.29	68.20	16.91	Vertical
5	11649.3167	58.47	40.40	-40.55	58.32	74.00	15.68	Vertical
6	15013.8333	52.21	40.94	-36.44	56.71	68.20	11.49	Vertical
7	17489.0167	52.69	44.47	-42.30	54.86	68.20	13.34	Vertical

11ax(HE20)_TX_CH_36_Horizontal



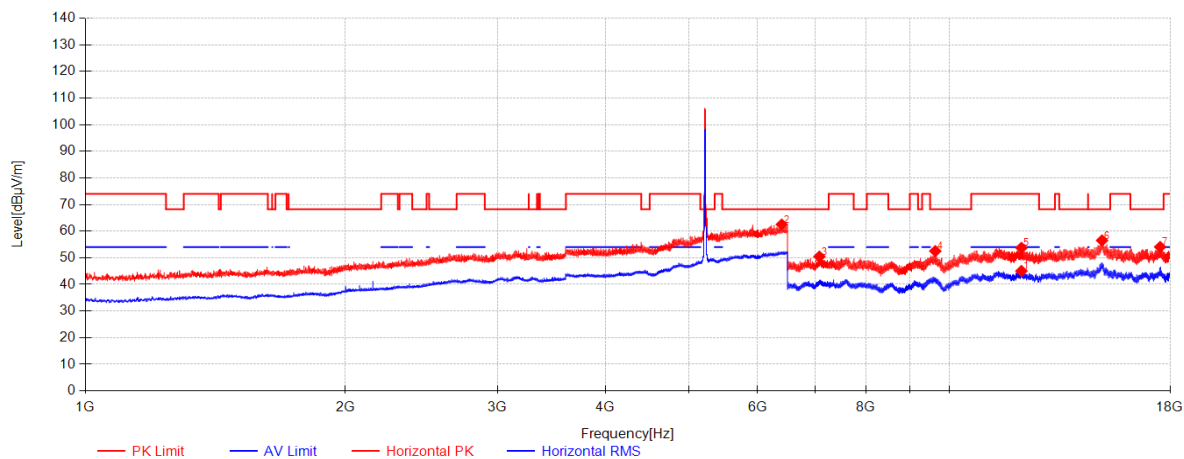
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11468	45.23	40.53	-40.47	45.29	54.00	8.71	Horizontal
2	6133.3333	40.59	33.63	-11.66	62.56	68.20	5.64	Horizontal
3	7578.3167	54.07	36.81	-40.16	50.72	74.00	23.28	Horizontal
4	9566.6667	54.03	37.90	-40.15	51.78	68.20	16.42	Horizontal
5	11423.9167	53.47	40.58	-40.50	53.55	74.00	20.45	Horizontal
6	14952.5	52.70	41.14	-36.97	56.87	68.20	11.33	Horizontal
7	17604.4	51.57	44.90	-42.21	54.26	68.20	13.94	Horizontal

11ax(HE20)_TX_CH_36_Vertical



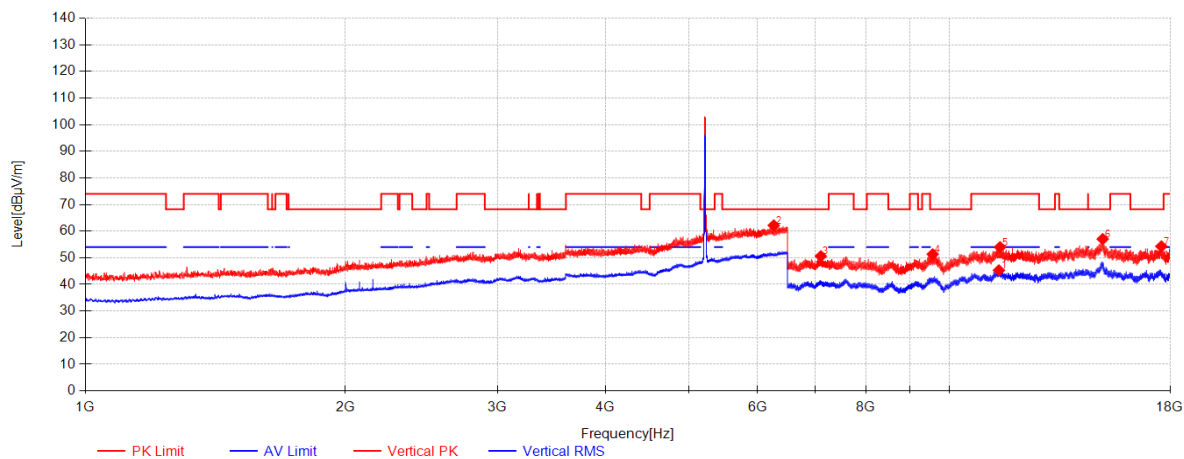
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11349.55	45.27	40.50	-40.79	44.98	54.00	9.02	Vertical
2	6434	40.75	34.07	-11.58	63.24	68.20	4.96	Vertical
3	7099.5333	54.31	36.20	-40.15	50.36	68.20	17.84	Vertical
4	9515.6833	53.92	37.59	-40.29	51.22	68.20	16.98	Vertical
5	11340.35	54.52	40.48	-40.84	54.16	74.00	19.84	Vertical
6	15067.5	52.24	40.73	-36.57	56.40	68.20	11.80	Vertical
7	17572.9667	51.51	44.79	-42.16	54.14	68.20	14.06	Vertical

11ax(HE20)_TX_CH_44_Horizontal



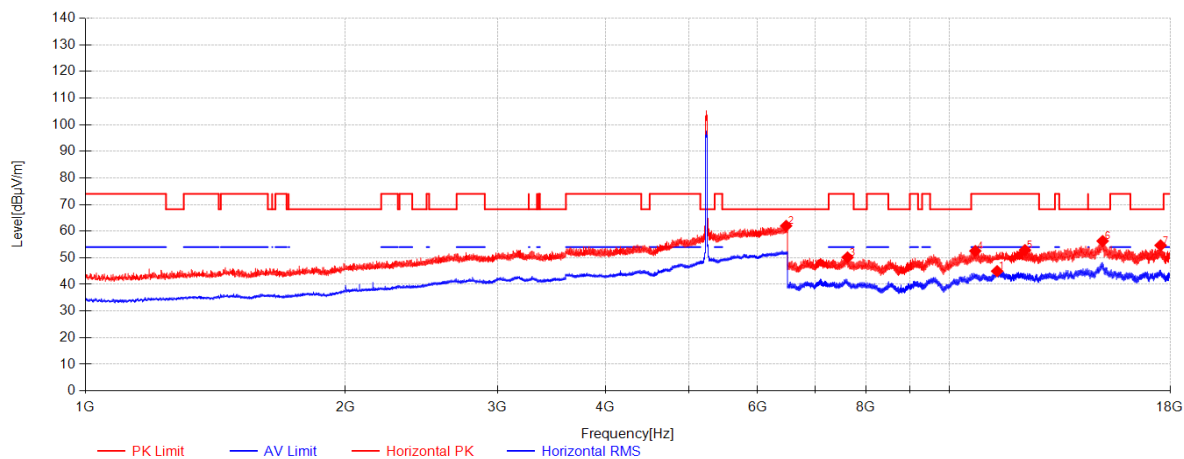
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12115.8333	45.73	39.82	-40.50	45.05	54.00	8.95	Horizontal
2	6396.875	40.08	33.97	-11.54	62.51	68.20	5.69	Horizontal
3	7071.9333	54.81	36.03	-40.39	50.45	68.20	17.75	Horizontal
4	9631.0667	54.27	38.29	-40.04	52.52	68.20	15.68	Horizontal
5	12115.45	54.41	39.82	-40.50	53.73	74.00	20.27	Horizontal
6	15019.9667	52.06	40.92	-36.46	56.52	68.20	11.68	Horizontal
7	17533.1	51.65	44.63	-42.20	54.08	68.20	14.12	Horizontal

11ax(HE20)_TX_CH_44_Vertical



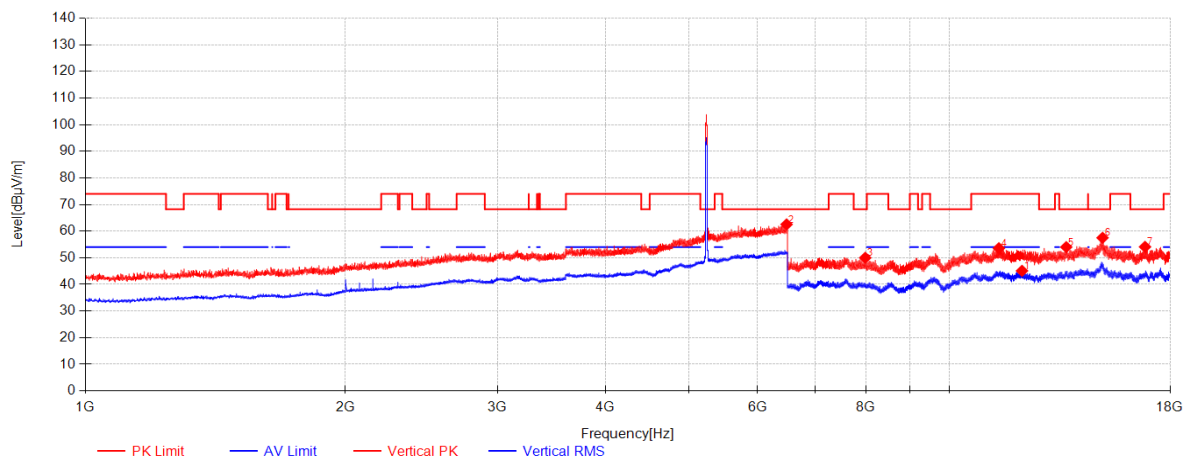
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11411.2667	45.23	40.59	-40.51	45.31	54.00	8.69	Vertical
2	6262.5833	40.44	33.45	-11.70	62.19	68.20	6.01	Vertical
3	7099.9167	54.56	36.20	-40.15	50.61	68.20	17.59	Vertical
4	9565.9	53.60	37.90	-40.15	51.35	68.20	16.85	Vertical
5	11445.3833	53.94	40.55	-40.48	54.01	74.00	19.99	Vertical
6	15047.1833	52.74	40.81	-36.52	57.03	68.20	11.17	Vertical
7	17590.9833	51.59	44.86	-42.14	54.31	68.20	13.89	Vertical

11ax(HE20)_TX_CH_48_Horizontal



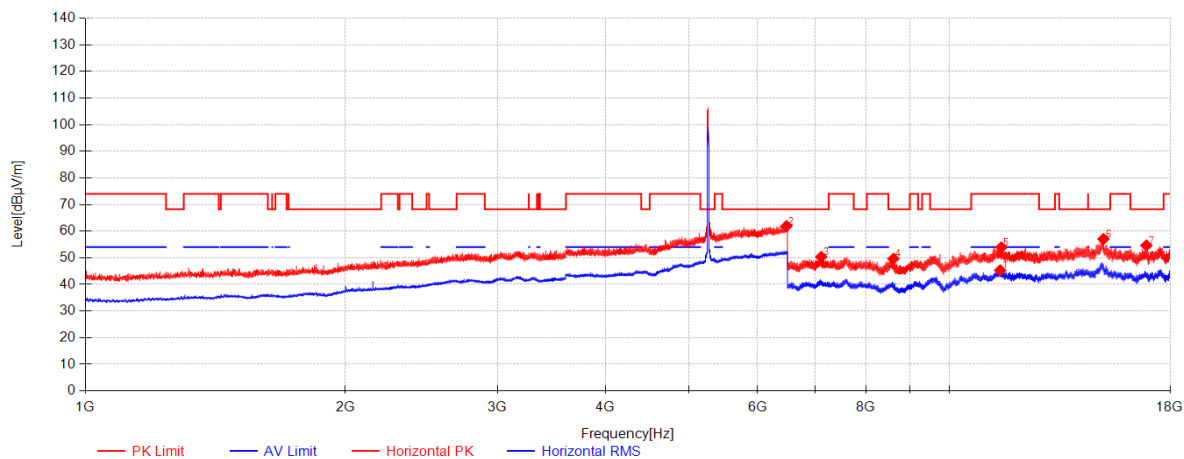
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11356.45	45.22	40.51	-40.75	44.98	54.00	9.02	Horizontal
2	6472.9583	39.30	34.33	-11.63	62.00	68.20	6.20	Horizontal
3	7623.55	53.48	36.85	-40.18	50.15	74.00	23.85	Horizontal
4	10715.9	53.56	39.22	-40.22	52.56	74.00	21.44	Horizontal
5	12231.6	53.55	39.77	-40.41	52.91	74.00	21.09	Horizontal
6	15043.35	51.98	40.83	-36.51	56.30	68.20	11.90	Horizontal
7	17554.1833	52.12	44.72	-42.18	54.66	68.20	13.54	Horizontal

11ax(HE20)_TX_CH_48_Vertical



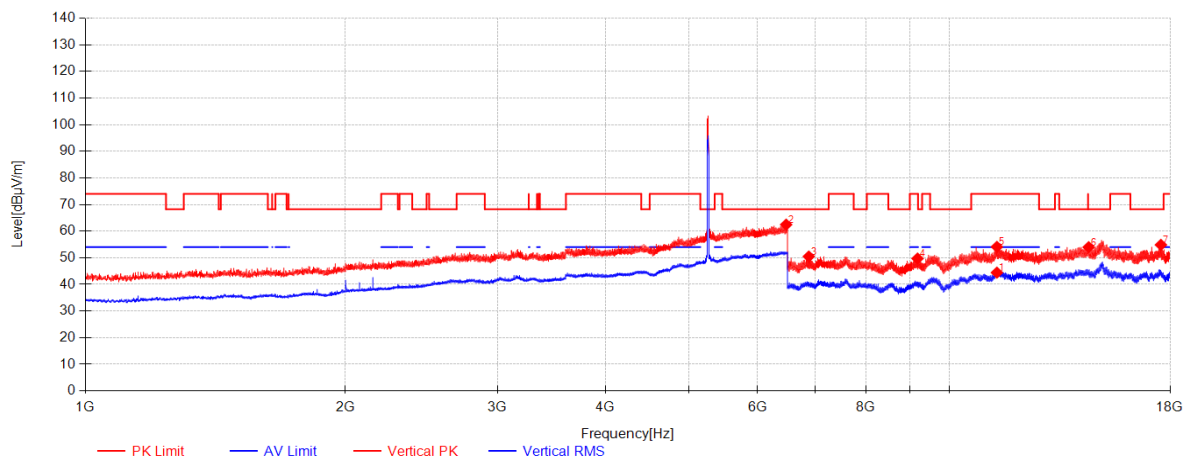
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12135	45.73	39.84	-40.46	45.11	54.00	8.89	Vertical
2	6480.75	39.78	34.41	-11.64	62.55	68.20	5.65	Vertical
3	7991.9333	53.99	36.70	-40.68	50.01	68.20	18.19	Vertical
4	11410.8833	53.53	40.59	-40.51	53.61	74.00	20.39	Vertical
5	13653.3833	54.15	40.45	-40.57	54.03	68.20	14.17	Vertical
6	15040.6667	53.18	40.84	-36.51	57.51	68.20	10.69	Vertical
7	16844.25	52.61	40.17	-38.67	54.11	68.20	14.09	Vertical

11ax(HE20)_TX_CH_52_Horizontal



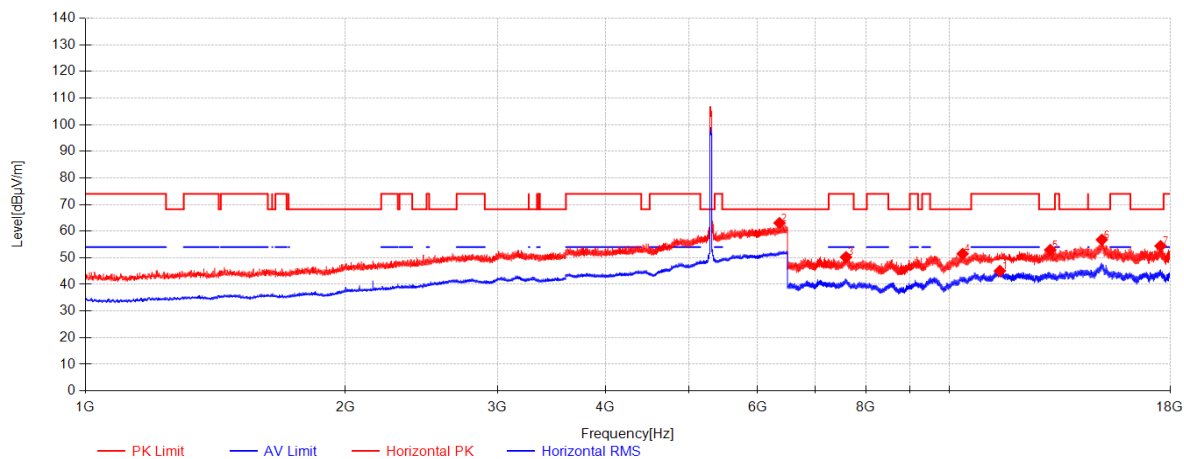
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11449.9833	45.23	40.55	-40.48	45.30	54.00	8.70	Horizontal
2	6479.8333	39.16	34.40	-11.64	61.92	68.20	6.28	Horizontal
3	7106.05	54.31	36.19	-40.17	50.33	68.20	17.87	Horizontal
4	8616.3833	53.18	36.77	-40.30	49.65	68.20	18.55	Horizontal
5	11484.4833	53.86	40.52	-40.45	53.93	74.00	20.07	Horizontal
6	15074.4	52.95	40.70	-36.59	57.06	68.20	11.14	Horizontal
7	16905.2	52.91	40.53	-38.80	54.64	68.20	13.56	Horizontal

11ax(HE20)_TX_CH_52_Vertical



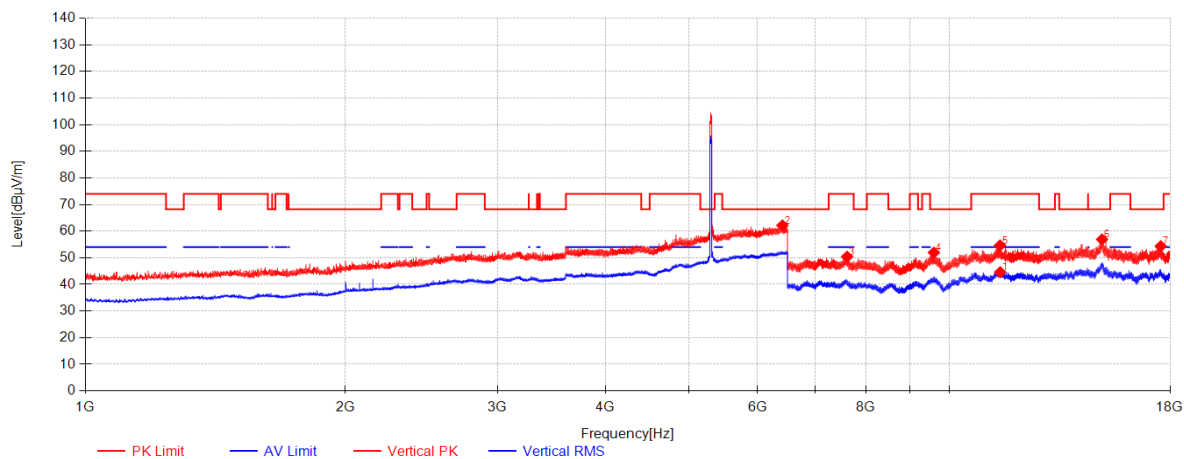
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11351.4667	44.71	40.50	-40.78	44.43	54.00	9.57	Vertical
2	6472.5	39.77	34.32	-11.63	62.46	68.20	5.74	Vertical
3	6875.6667	54.89	35.80	-40.20	50.49	68.20	17.71	Vertical
4	9186.7833	53.41	37.25	-40.93	49.73	74.00	24.27	Vertical
5	11351.0833	54.40	40.50	-40.78	54.12	74.00	19.88	Vertical
6	14492.8833	52.67	41.62	-40.30	53.99	74.00	20.01	Vertical
7	17572.9667	52.23	44.79	-42.16	54.86	68.20	13.34	Vertical

11ax(HE20)_TX_CH_60_Horizontal



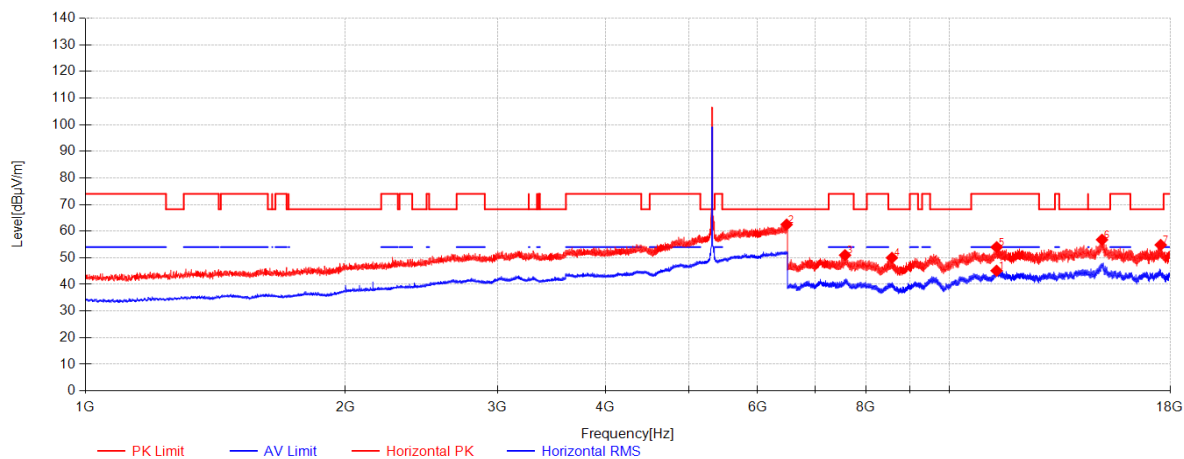
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11440.4	44.99	40.56	-40.49	45.06	54.00	8.94	Horizontal
2	6358.8333	41.00	33.67	-11.60	63.07	68.20	5.13	Horizontal
3	7592.1167	53.45	36.87	-40.06	50.26	74.00	23.74	Horizontal
4	10360.1667	52.28	39.46	-40.23	51.51	68.20	16.69	Horizontal
5	13084.5167	53.47	39.75	-40.26	52.96	68.20	15.24	Horizontal
6	15012.3	52.28	40.95	-36.44	56.79	68.20	11.41	Horizontal
7	17554.1833	51.90	44.72	-42.18	54.44	68.20	13.76	Horizontal

11ax(HE20)_TX_CH_60_Vertical



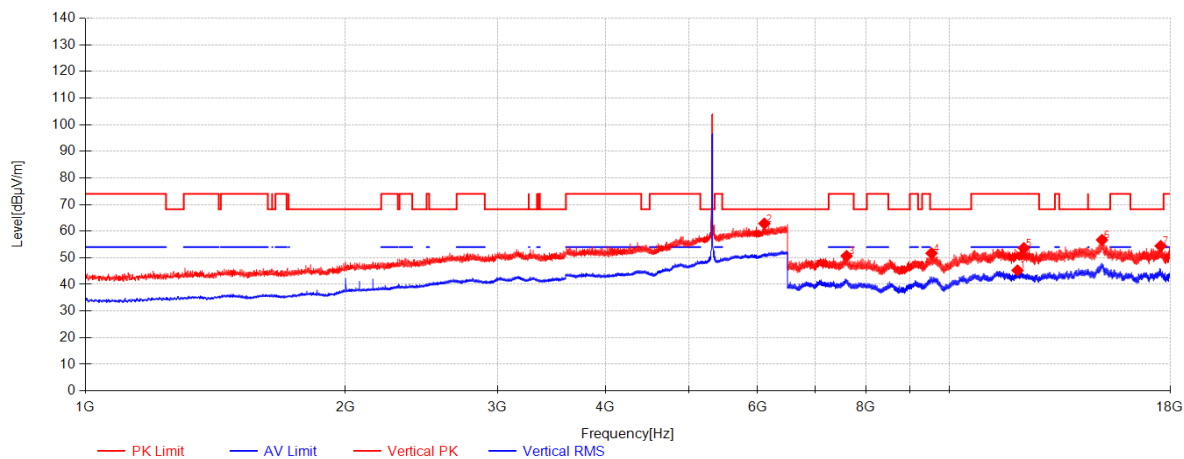
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11449.2167	44.52	40.55	-40.48	44.59	54.00	9.41	Vertical
2	6409.25	39.68	34.02	-11.55	62.15	68.20	6.05	Vertical
3	7614.7333	53.65	36.87	-40.11	50.41	74.00	23.59	Vertical
4	9595.4167	53.95	38.07	-40.06	51.96	68.20	16.24	Vertical
5	11443.85	54.57	40.56	-40.48	54.65	74.00	19.35	Vertical
6	15020.35	52.43	40.92	-36.46	56.89	68.20	11.31	Vertical
7	17560.7	51.78	44.74	-42.17	54.35	68.20	13.85	Vertical

11ax(HE20)_TX_CH_64_Horizontal



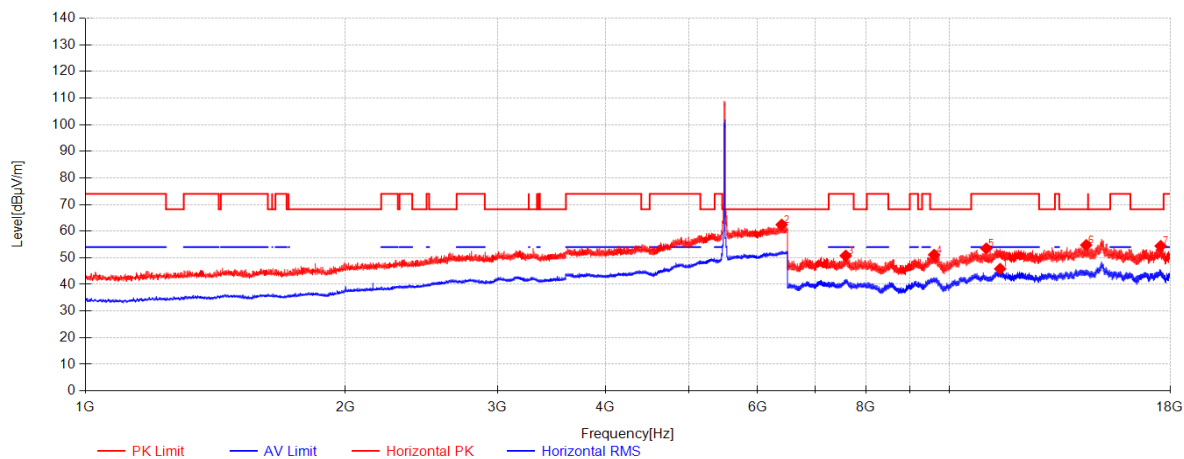
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11341.5	45.50	40.48	-40.83	45.15	54.00	8.85	Horizontal
2	6481.2083	39.72	34.41	-11.65	62.48	68.20	5.72	Horizontal
3	7572.95	54.39	36.79	-40.20	50.98	74.00	23.02	Horizontal
4	8581.1167	53.39	36.84	-40.23	50.00	68.20	18.20	Horizontal
5	11344.95	54.31	40.49	-40.81	53.99	74.00	20.01	Horizontal
6	15018.8167	52.32	40.92	-36.46	56.78	68.20	11.42	Horizontal
7	17561.4667	52.25	44.75	-42.17	54.83	68.20	13.37	Horizontal

11ax(HE20)_TX_CH_64_Vertical



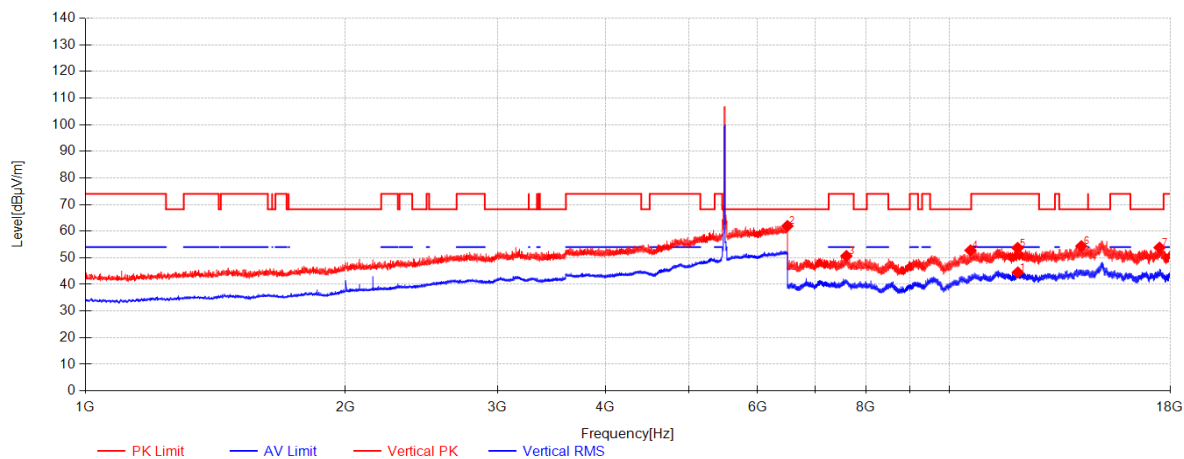
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11992.0167	45.74	39.88	-40.35	45.27	54.00	8.73	Vertical
2	6108.125	40.82	33.68	-11.64	62.86	68.20	5.34	Vertical
3	7605.15	53.83	36.89	-40.04	50.68	74.00	23.32	Vertical
4	9537.15	54.21	37.72	-40.23	51.70	68.20	16.50	Vertical
5	12195.1833	54.10	39.90	-40.34	53.66	74.00	20.34	Vertical
6	15019.2	52.24	40.92	-36.46	56.70	68.20	11.50	Vertical
7	17559.55	51.86	44.74	-42.17	54.43	68.20	13.77	Vertical

11ax(HE20)_TX_CH_100_Horizontal



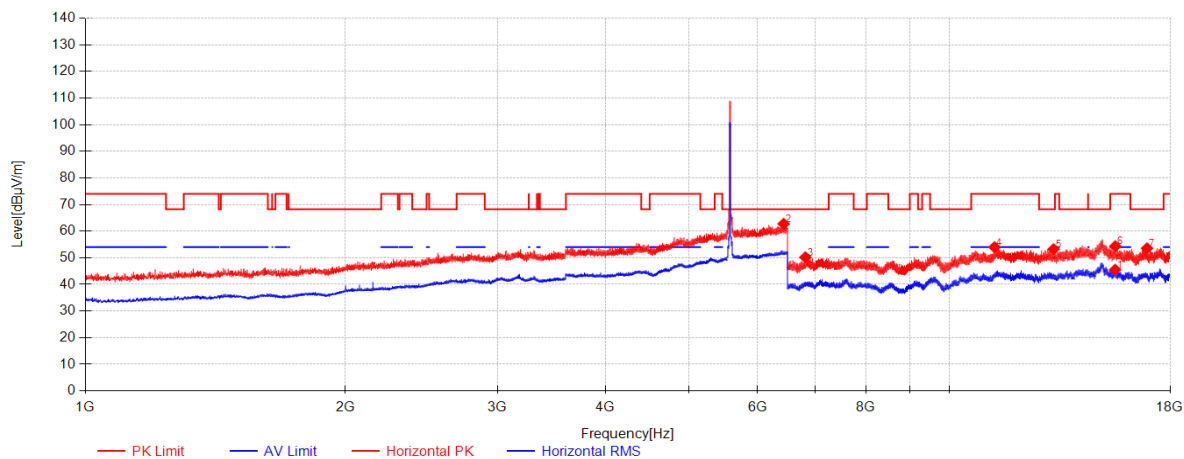
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11448.8333	45.79	40.55	-40.48	45.86	54.00	8.14	Horizontal
2	6395.9583	40.03	33.97	-11.55	62.45	68.20	5.75	Horizontal
3	7586.3667	54.05	36.85	-40.10	50.80	74.00	23.20	Horizontal
4	9601.1667	53.07	38.11	-40.05	51.13	68.20	17.07	Horizontal
5	11033.6833	54.37	40.43	-41.31	53.49	74.00	20.51	Horizontal
6	14399.35	53.49	41.90	-40.61	54.78	68.20	13.42	Horizontal
7	17559.55	51.87	44.74	-42.17	54.44	68.20	13.76	Horizontal

11ax(HE20)_TX_CH_100_Vertical



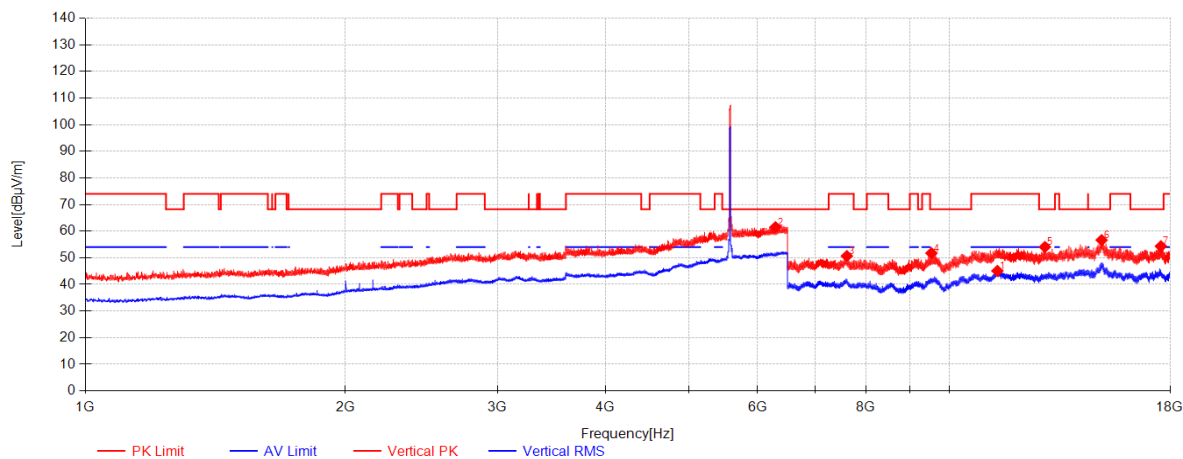
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11998.5333	44.94	39.90	-40.35	44.49	54.00	9.51	Vertical
2	6495.4167	39.07	34.55	-11.66	61.96	68.20	6.24	Vertical
3	7600.1667	53.77	36.90	-40.00	50.67	74.00	23.33	Vertical
4	10579.05	54.06	39.04	-40.32	52.78	68.20	15.42	Vertical
5	11994.3167	54.18	39.88	-40.35	53.71	74.00	20.29	Vertical
6	14215.35	53.03	41.65	-40.29	54.39	68.20	13.81	Vertical
7	17506.65	51.52	44.53	-42.22	53.83	68.20	14.37	Vertical

11ax(HE20)_TX_CH_116_Horizontal



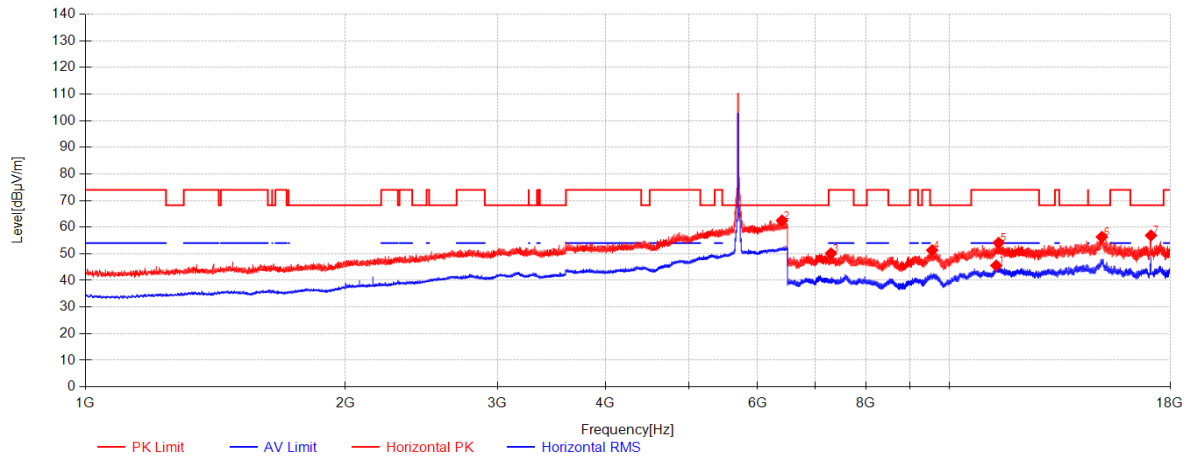
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	15552.4167	43.08	38.99	-36.57	45.50	54.00	8.50	Horizontal
2	6429.4167	40.25	34.06	-11.58	62.73	68.20	5.47	Horizontal
3	6812.4167	54.53	35.75	-40.11	50.17	68.20	18.03	Horizontal
4	11277.4833	54.85	40.42	-41.28	53.99	74.00	20.01	Horizontal
5	13197.6	53.81	39.51	-40.09	53.23	68.20	14.97	Horizontal
6	15560.85	52.00	38.96	-36.59	54.37	74.00	19.63	Horizontal
7	16931.65	52.23	40.66	-39.33	53.56	68.20	14.64	Horizontal

11ax(HE20)_TX_CH_116_Vertical



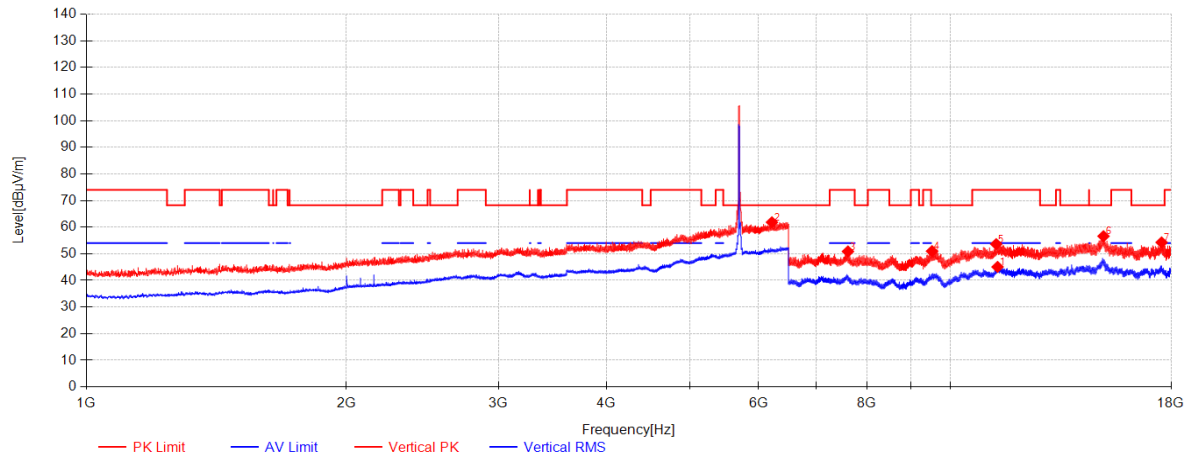
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11365.2667	45.26	40.53	-40.70	45.09	54.00	8.91	Vertical
2	6291.4583	39.87	33.33	-11.69	61.51	68.20	6.69	Vertical
3	7609.3667	53.85	36.88	-40.07	50.66	74.00	23.34	Vertical
4	9532.9333	54.28	37.70	-40.24	51.74	68.20	16.46	Vertical
5	12898.9833	55.10	39.10	-40.14	54.06	68.20	14.14	Vertical
6	15003.1	52.08	40.99	-36.42	56.65	68.20	11.55	Vertical
7	17570.2833	51.73	44.78	-42.16	54.35	68.20	13.85	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	11331.5333	46.01	40.46	-40.88	45.59	54.00	8.41	Horizontal
2	6401.4583	40.04	34.00	-11.54	62.50	68.20	5.70	Horizontal
3	7294.2667	53.64	36.69	-40.20	50.13	74.00	23.87	Horizontal
4	9552.8667	53.73	37.82	-40.19	51.36	68.20	16.84	Horizontal
5	11401.3	54.06	40.60	-40.52	54.14	74.00	19.86	Horizontal
6	15013.8333	51.84	40.94	-36.44	56.34	68.20	11.86	Horizontal
7	17112.9667	55.50	41.85	-40.47	56.88	68.20	11.32	Horizontal

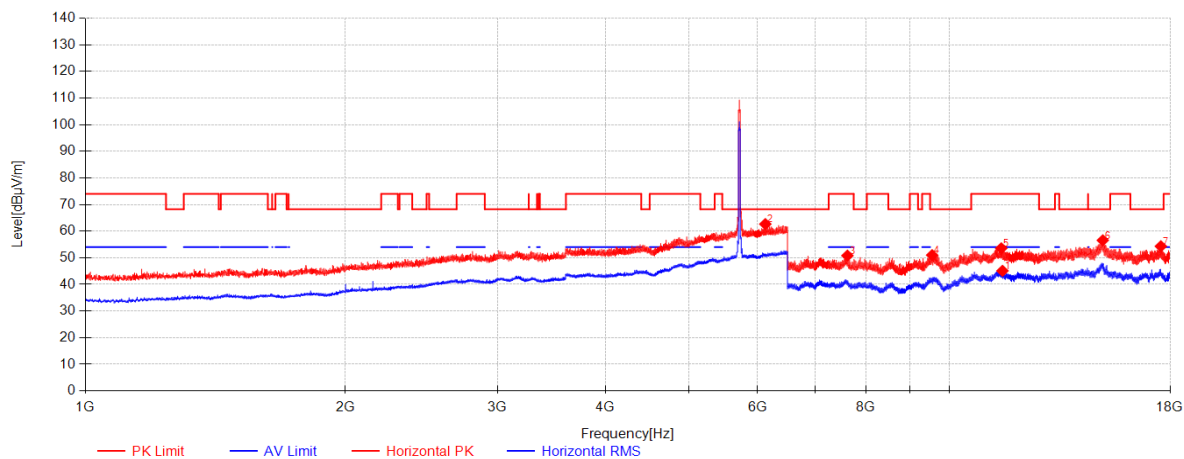
11ax(HE20)_TX_CH_140_Vertical



Data List

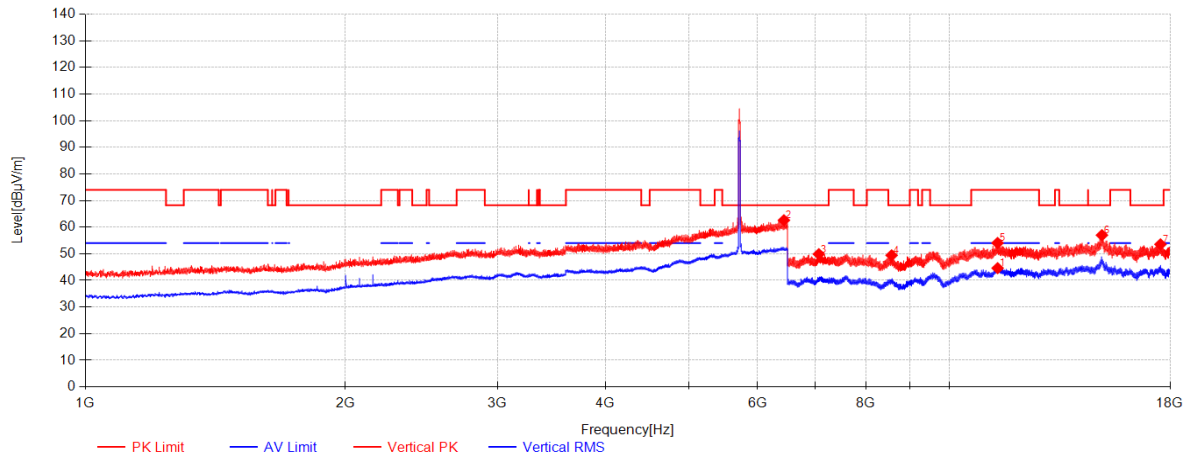
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11339.2	45.44	40.48	-40.84	45.08	54.00	8.92	Vertical
2	6215.8333	39.85	33.71	-11.72	61.84	68.20	6.36	Vertical
3	7611.6667	54.08	36.88	-40.09	50.87	74.00	23.13	Vertical
4	9522.5833	53.61	37.64	-40.27	50.98	68.20	17.22	Vertical
5	11299.3333	54.29	40.40	-41.06	53.63	74.00	20.37	Vertical
6	15038.3667	52.25	40.85	-36.50	56.60	68.20	11.60	Vertical
7	17556.8667	51.71	44.73	-42.17	54.27	68.20	13.93	Vertical

11ax(HE20)_TX_CH_144_Horizontal



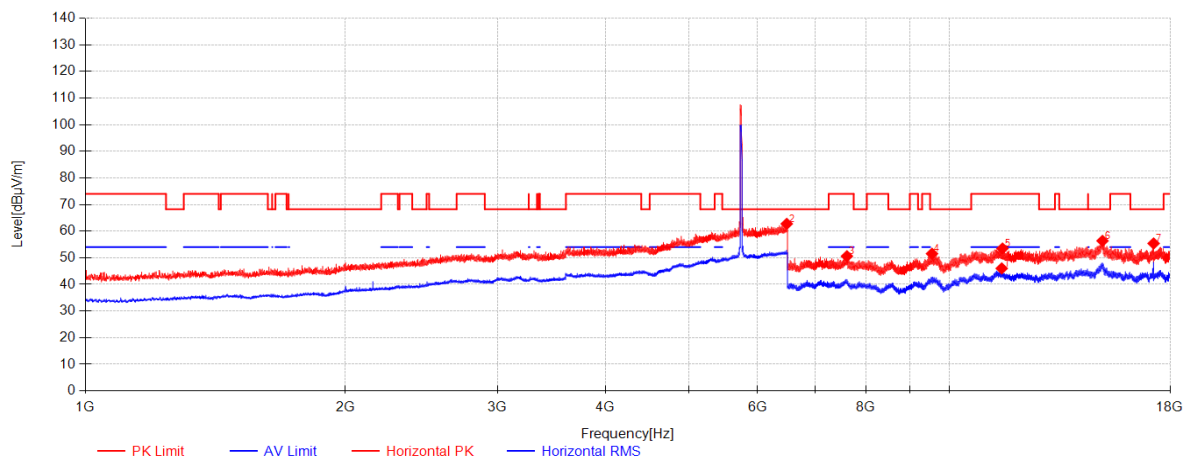
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11520.5167	45.11	40.52	-40.53	45.10	54.00	8.90	Horizontal
2	6123.7083	40.66	33.65	-11.65	62.66	68.20	5.54	Horizontal
3	7622.0167	54.12	36.86	-40.17	50.81	74.00	23.19	Horizontal
4	9551.3333	53.38	37.81	-40.19	51.00	68.20	17.20	Horizontal
5	11482.95	53.50	40.52	-40.45	53.57	74.00	20.43	Horizontal
6	15049.4833	52.29	40.80	-36.53	56.56	68.20	11.64	Horizontal
7	17567.9833	51.72	44.77	-42.16	54.33	68.20	13.87	Horizontal

11ax(HE20)_TX_CH_144_Verical



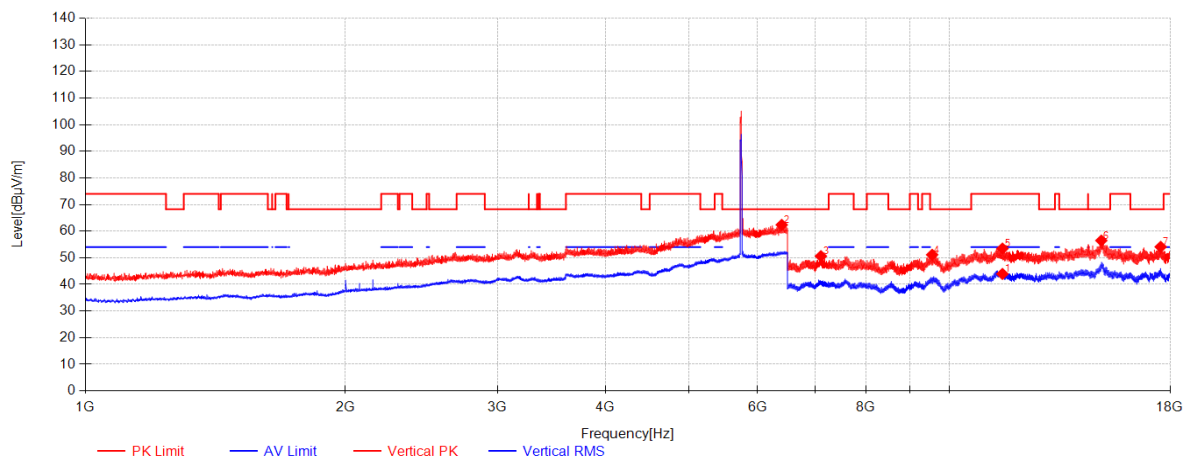
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11372.55	44.73	40.55	-40.67	44.61	54.00	9.39	Vertical
2	6434.4583	40.11	34.07	-11.58	62.60	68.20	5.60	Vertical
3	7061.9667	54.38	35.97	-40.47	49.88	68.20	18.32	Vertical
4	8573.45	52.83	36.85	-40.25	49.43	68.20	18.77	Vertical
5	11371.4	54.20	40.54	-40.67	54.07	74.00	19.93	Vertical
6	15016.1333	52.50	40.94	-36.45	56.99	68.20	11.21	Vertical
7	17550.35	51.04	44.70	-42.18	53.56	68.20	14.64	Vertical

11ax(HE20)_TX_CH_149_Horizontal



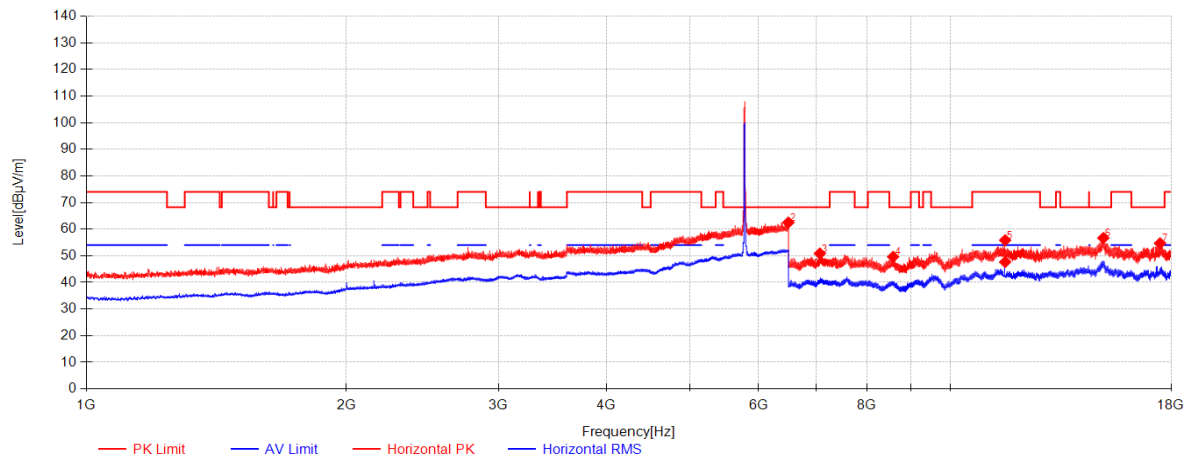
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11496.3667	45.95	40.50	-40.44	46.01	54.00	7.99	Horizontal
2	6483.0417	39.97	34.43	-11.65	62.75	68.20	5.45	Horizontal
3	7610.5167	53.80	36.88	-40.08	50.60	74.00	23.40	Horizontal
4	9547.8833	53.95	37.79	-40.20	51.54	68.20	16.66	Horizontal
5	11519.75	53.49	40.52	-40.52	53.49	74.00	20.51	Horizontal
6	15038.75	52.03	40.84	-36.50	56.37	68.20	11.83	Horizontal
7	17232.5667	53.97	42.46	-41.03	55.40	68.20	12.80	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	11519.75	43.94	40.52	-40.52	43.94	54.00	10.06	Vertical
2	6397.3333	39.93	33.98	-11.54	62.37	68.20	5.83	Vertical
3	7100.6833	54.56	36.20	-40.15	50.61	68.20	17.59	Vertical
4	9551.3333	53.52	37.81	-40.19	51.14	68.20	17.06	Vertical
5	11519.75	53.47	40.52	-40.52	53.47	74.00	20.53	Vertical
6	14991.6	51.96	41.03	-36.51	56.48	68.20	11.72	Vertical
7	17560.7	51.53	44.74	-42.17	54.10	68.20	14.10	Vertical

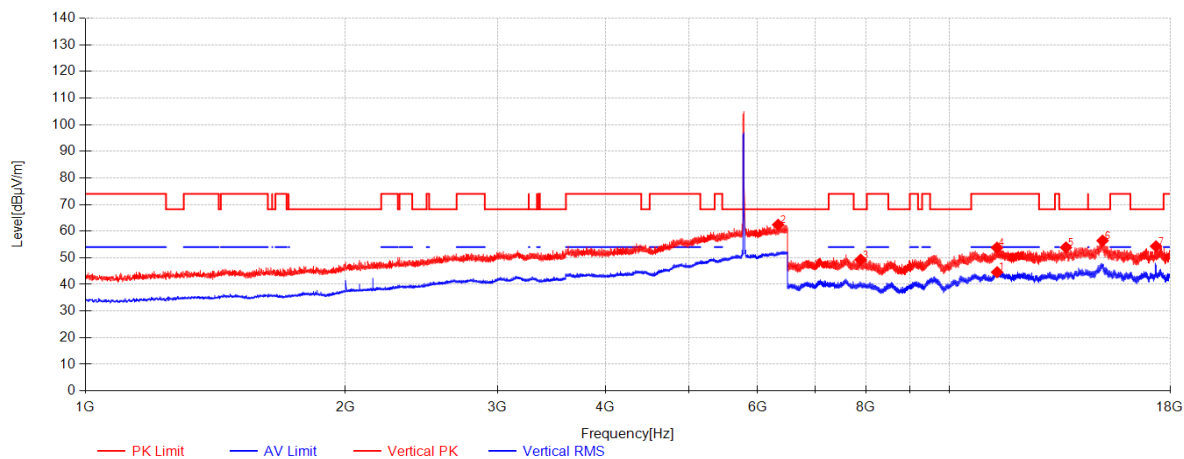
11ax(HE20)_TX_CH_157_Horizontal



Data List

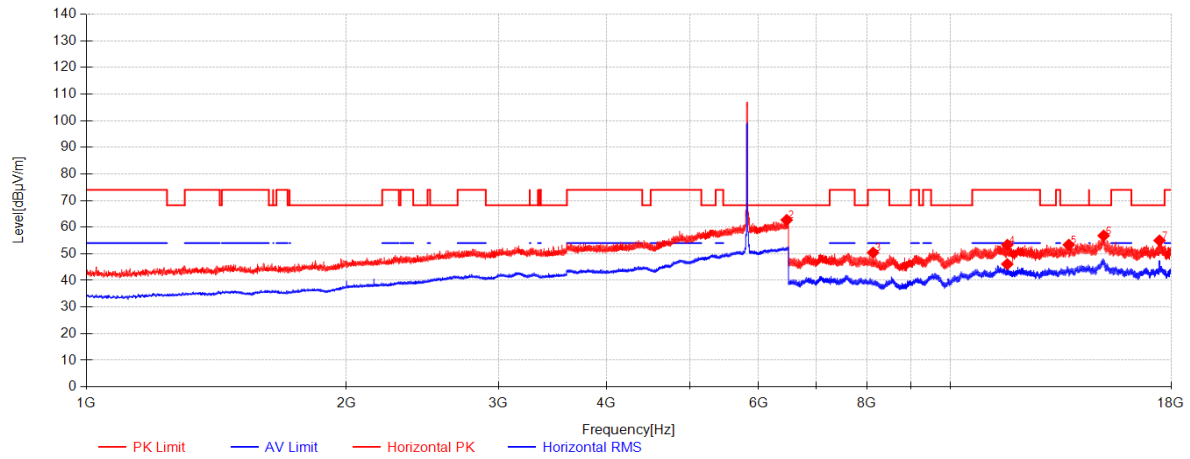
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11571.5	47.83	40.57	-40.75	47.65	54.00	6.35	Horizontal
2	6494.5	39.63	34.54	-11.66	62.51	68.20	5.69	Horizontal
3	7062.35	55.37	35.97	-40.47	50.87	68.20	17.33	Horizontal
4	8584.95	53.02	36.83	-40.22	49.63	68.20	18.57	Horizontal
5	11571.5	56.04	40.57	-40.75	55.86	74.00	18.14	Horizontal
6	15031.4667	52.31	40.87	-36.49	56.69	68.20	11.51	Horizontal
7	17485.95	52.56	44.46	-42.32	54.70	68.20	13.50	Horizontal

11ax(HE20)_TX_CH_157_Vertical



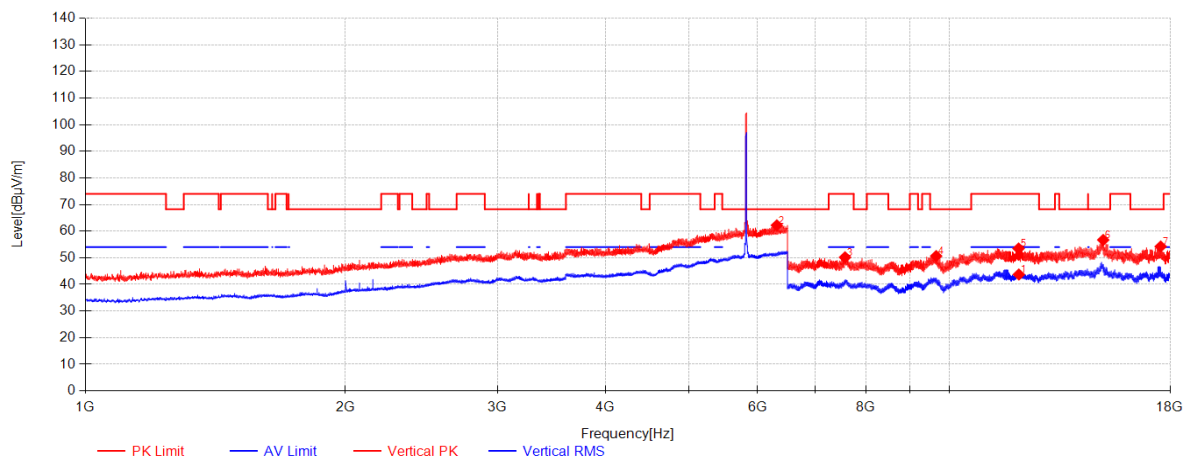
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11355.6833	44.84	40.51	-40.75	44.60	54.00	9.40	Vertical
2	6335.9167	40.53	33.52	-11.64	62.41	68.20	5.79	Vertical
3	7894.95	52.79	36.78	-40.28	49.29	68.20	18.91	Vertical
4	11353.3833	54.06	40.51	-40.77	53.80	74.00	20.20	Vertical
5	13644.1833	54.08	40.44	-40.64	53.88	68.20	14.32	Vertical
6	15041.4333	52.11	40.83	-36.51	56.43	68.20	11.77	Vertical
7	17342.5833	52.97	43.51	-42.16	54.32	68.20	13.88	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	11636.2833	46.30	40.45	-40.64	46.11	54.00	7.89	Horizontal
2	6465.625	40.06	34.26	-11.63	62.69	68.20	5.51	Horizontal
3	8138.3667	54.30	36.32	-40.19	50.43	74.00	23.57	Horizontal
4	11640.8833	53.53	40.44	-40.61	53.36	74.00	20.64	Horizontal
5	13709.7333	53.13	40.46	-40.22	53.37	68.20	14.83	Horizontal
6	15043.35	52.50	40.83	-36.51	56.82	68.20	11.38	Horizontal
7	17459.5	53.09	44.38	-42.49	54.98	68.20	13.22	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	12034.5667	44.27	39.87	-40.41	43.73	54.00	10.27	Vertical
2	6314.375	40.48	33.39	-11.67	62.20	68.20	6.00	Vertical
3	7572.1833	53.59	36.79	-40.21	50.17	74.00	23.83	Vertical
4	9654.45	52.27	38.41	-40.03	50.65	68.20	17.55	Vertical
5	12025.75	54.02	39.87	-40.40	53.49	74.00	20.51	Vertical
6	15067.5	52.54	40.73	-36.57	56.70	68.20	11.50	Vertical
7	17559.9333	51.67	44.74	-42.17	54.24	68.20	13.96	Vertical

7.3 Radiated Emissions which fall in the restricted bands

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

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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

Humidity: 41 % RH

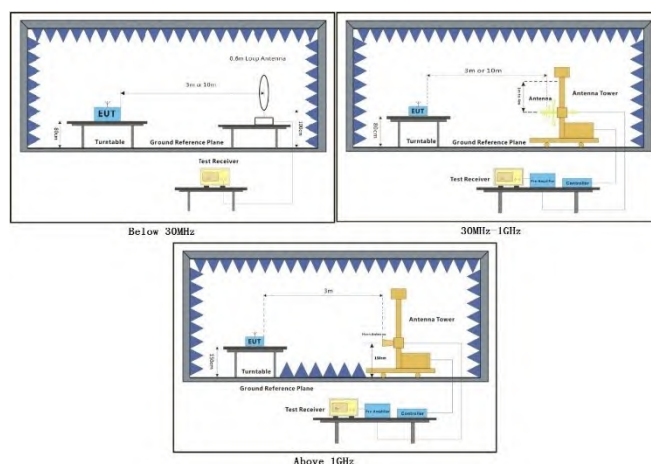
Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

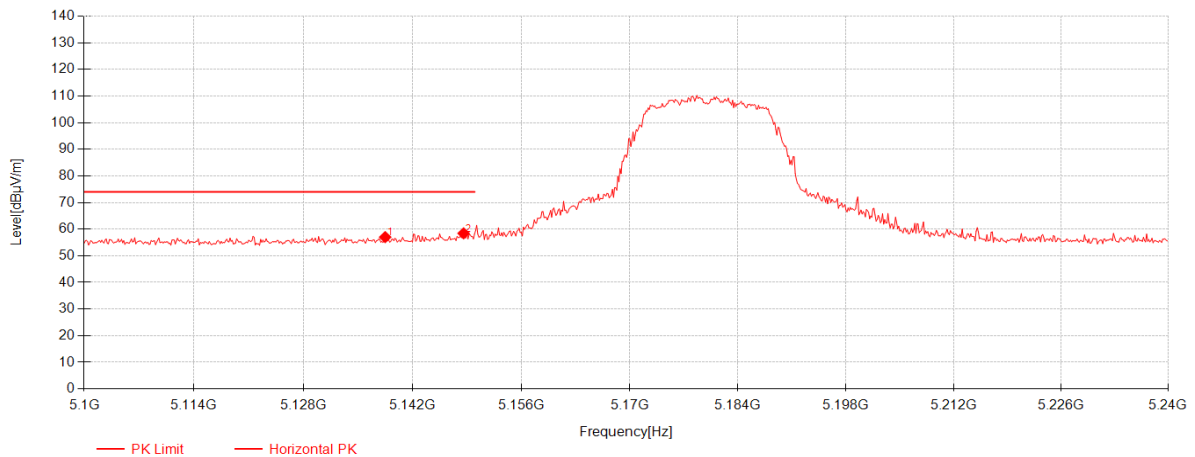
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5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

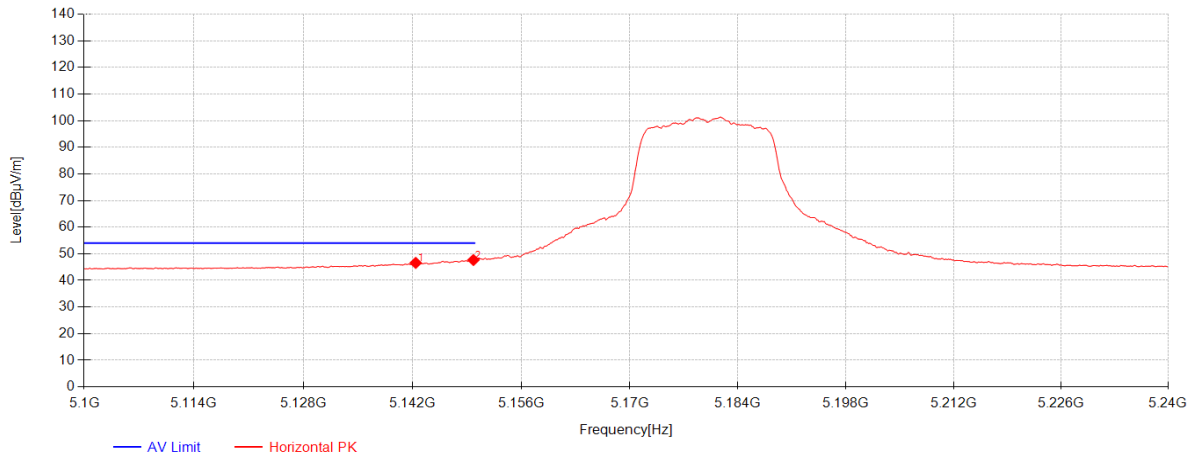
Remark 3: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

11a_TX_CH_36_Horizontal_Peak



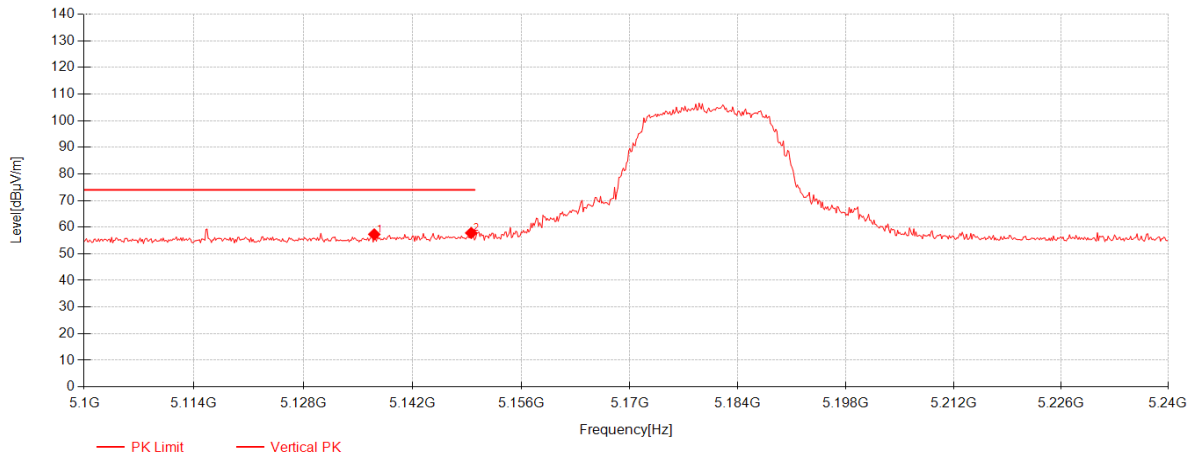
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.5	38.04	32.03	-13.06	57.01	74.00	16.99	Horizontal
2	5148.58	39.41	32.09	-13.06	58.44	74.00	15.56	Horizontal

11a_TX_CH_36_Horizontal_Average



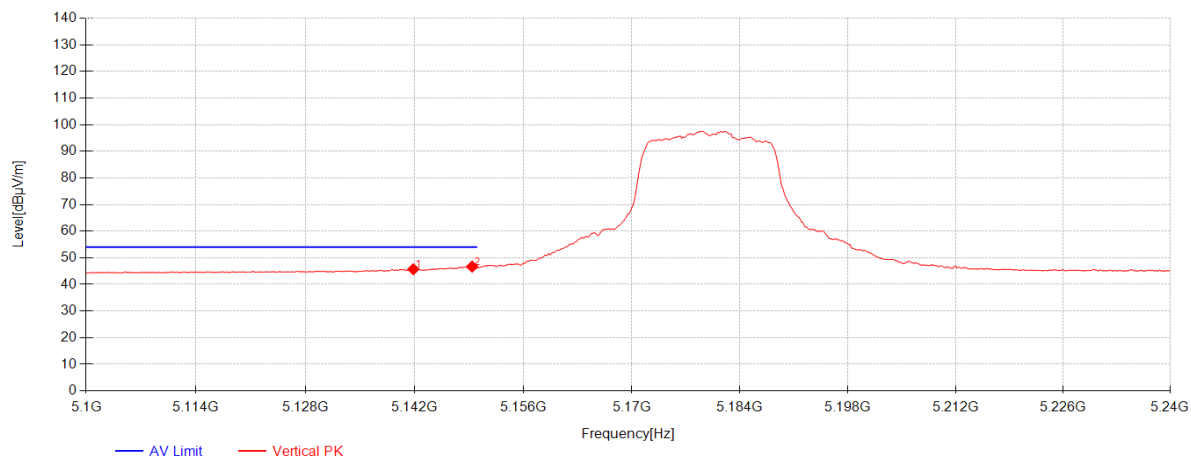
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5142.42	27.60	32.05	-13.06	46.59	54.00	7.41	Horizontal
2	5149.84	28.62	32.10	-13.06	47.66	54.00	6.34	Horizontal

11a_TX_CH_36_Vertical_Peak



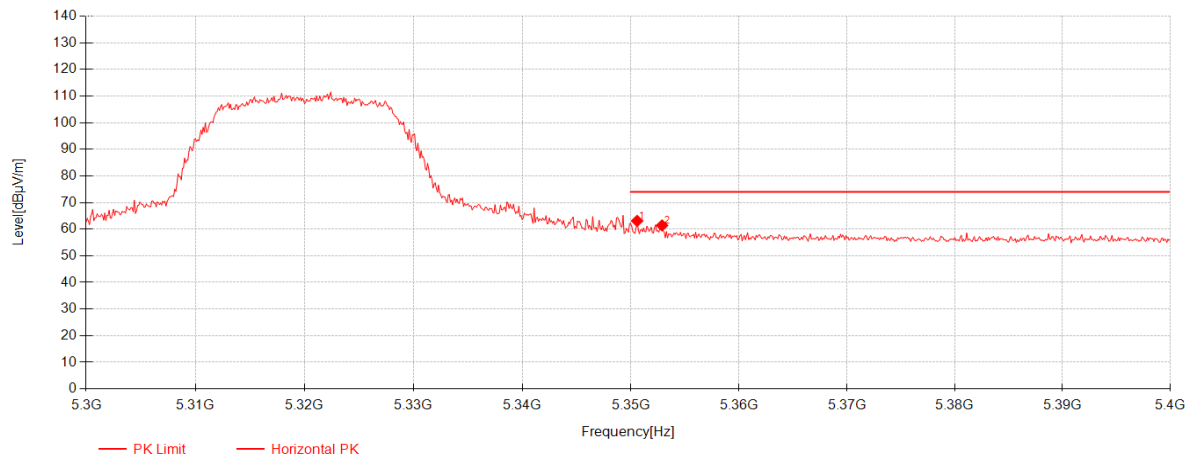
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5137.1	38.37	32.02	-13.07	57.32	74.00	16.68	Vertical
2	5149.56	38.79	32.10	-13.06	57.83	74.00	16.17	Vertical

11a_TX_CH_36_Vertical_Average



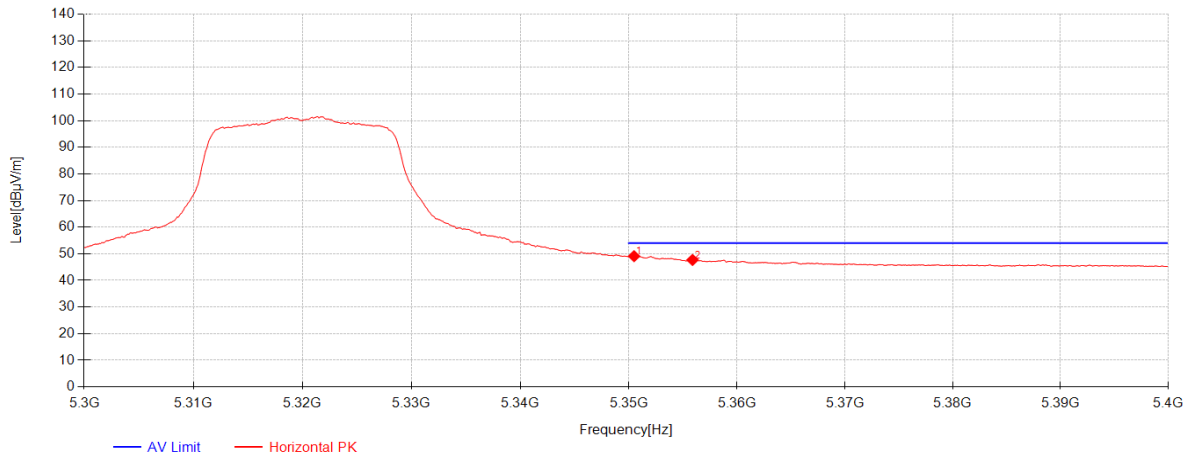
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.86	26.72	32.05	-13.06	45.71	54.00	8.29	Vertical
2	5149.42	27.65	32.10	-13.06	46.69	54.00	7.31	Vertical

11a_TX_CH_64_Horizontal_Peak



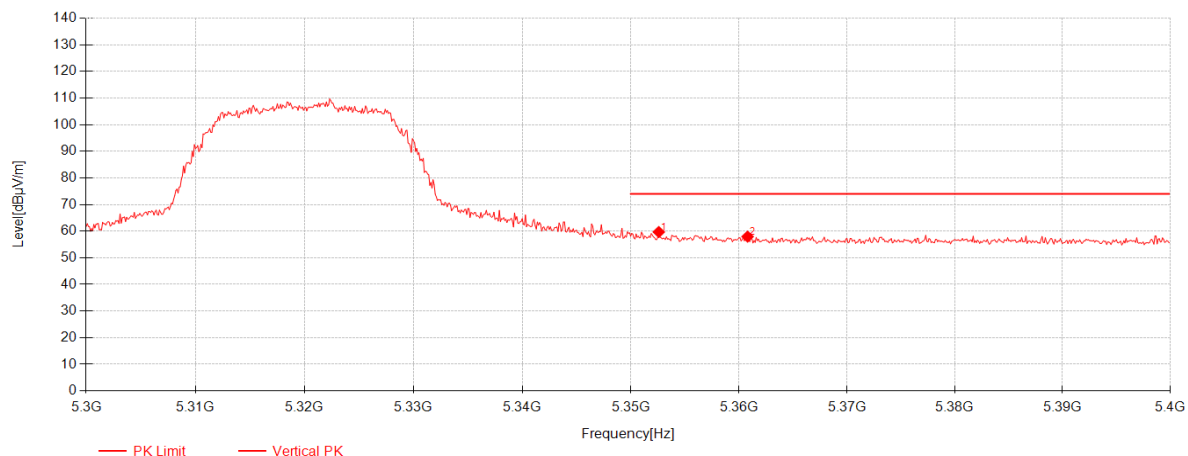
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6	43.35	32.50	-12.73	63.12	74.00	10.88	Horizontal
2	5352.9	41.66	32.48	-12.73	61.41	74.00	12.59	Horizontal

11a_TX_CH_64_Horizontal_Average



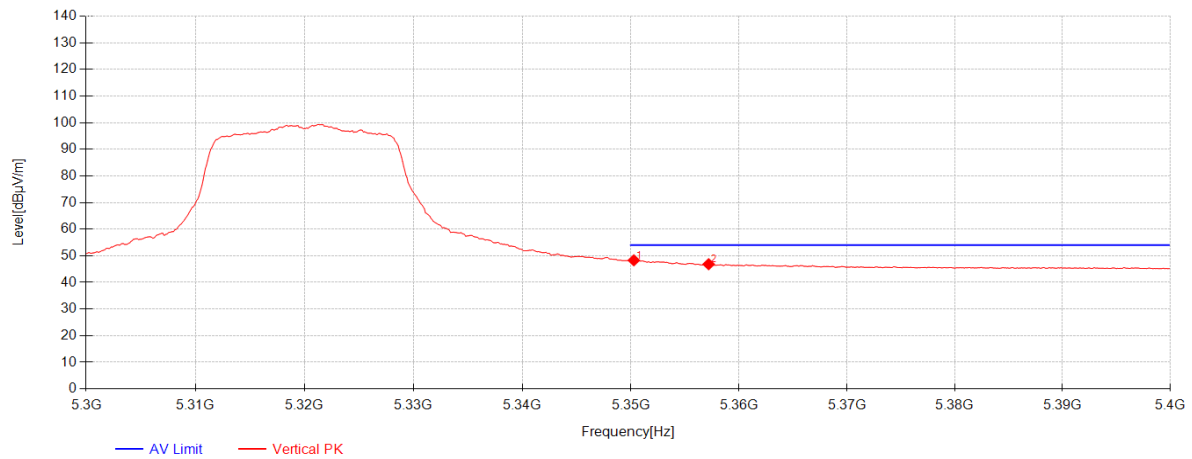
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.5	29.33	32.50	-12.73	49.10	54.00	4.90	Horizontal
2	5355.9	27.97	32.46	-12.74	47.69	54.00	6.31	Horizontal

11a_TX_CH_64_Vertical_Peak



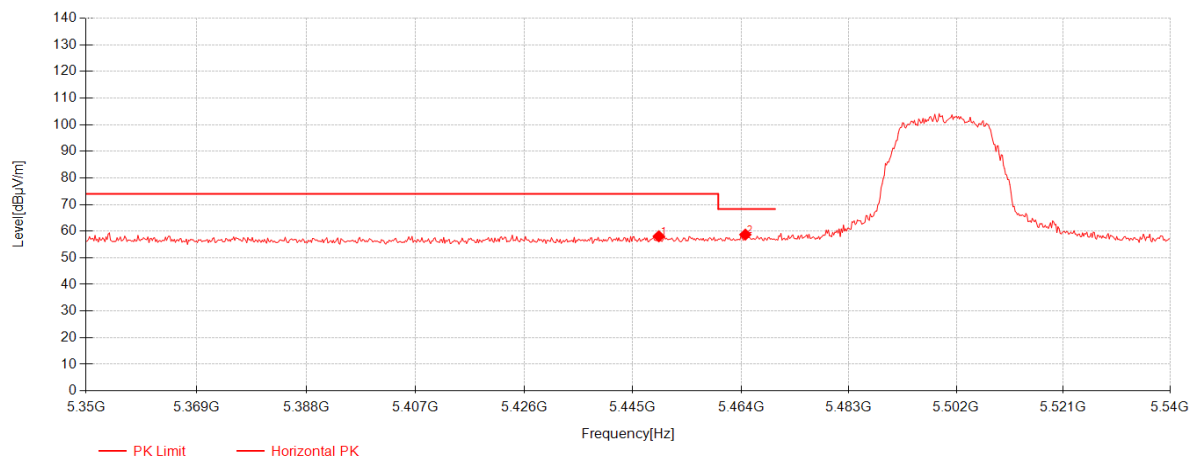
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.6	39.94	32.48	-12.73	59.69	74.00	14.31	Vertical
2	5360.8	38.27	32.44	-12.76	57.95	74.00	16.05	Vertical

11a_TX_CH_64_Vertical_Average



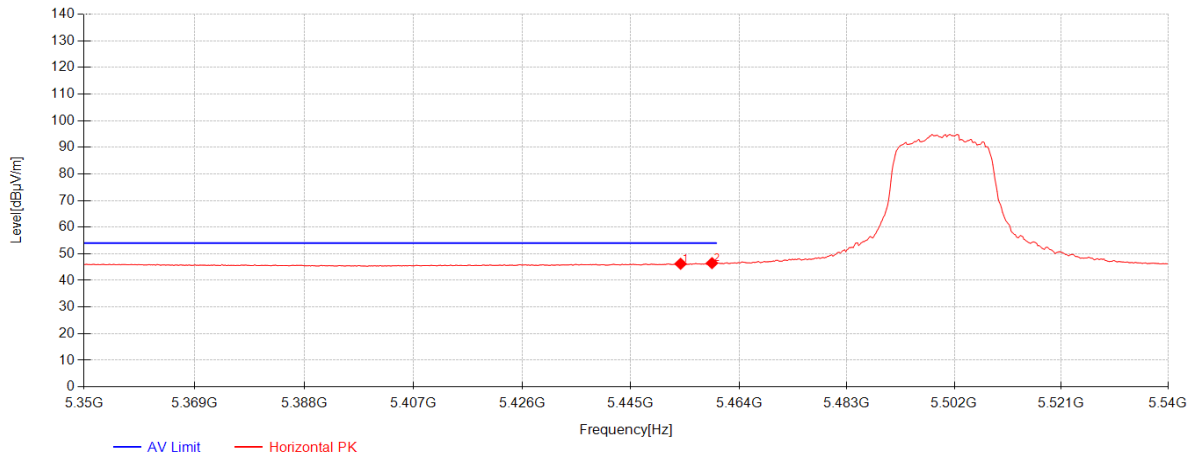
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.3	28.53	32.50	-12.73	48.30	54.00	5.70	Vertical
2	5357.2	27.13	32.46	-12.75	46.84	54.00	7.16	Vertical

11a_TX_CH_100_Horizontal_Peak



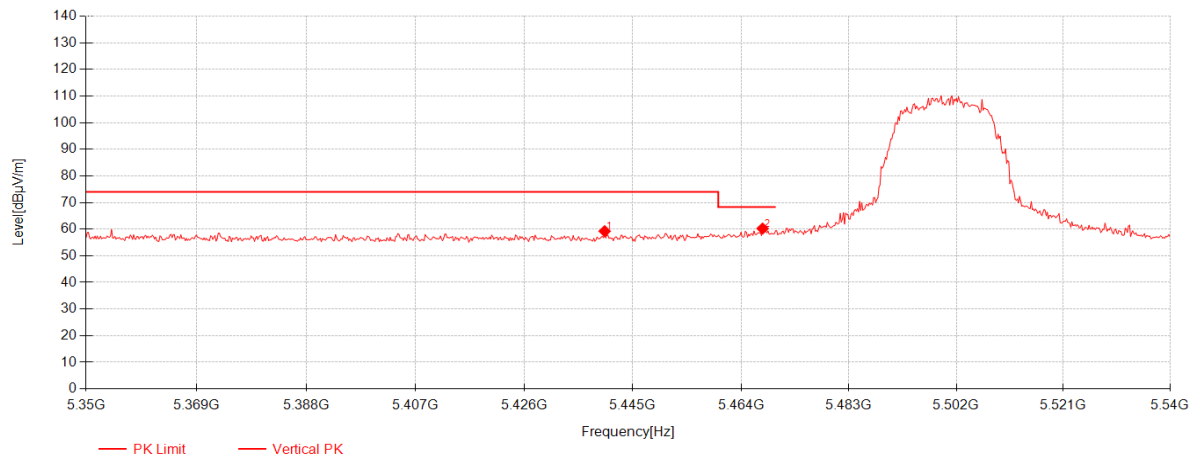
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.56	38.22	32.50	-12.65	58.07	74.00	15.93	Horizontal
2	5464.76	38.73	32.56	-12.58	58.71	68.30	9.59	Horizontal

11a_TX_CH_100_Horizontal_Average



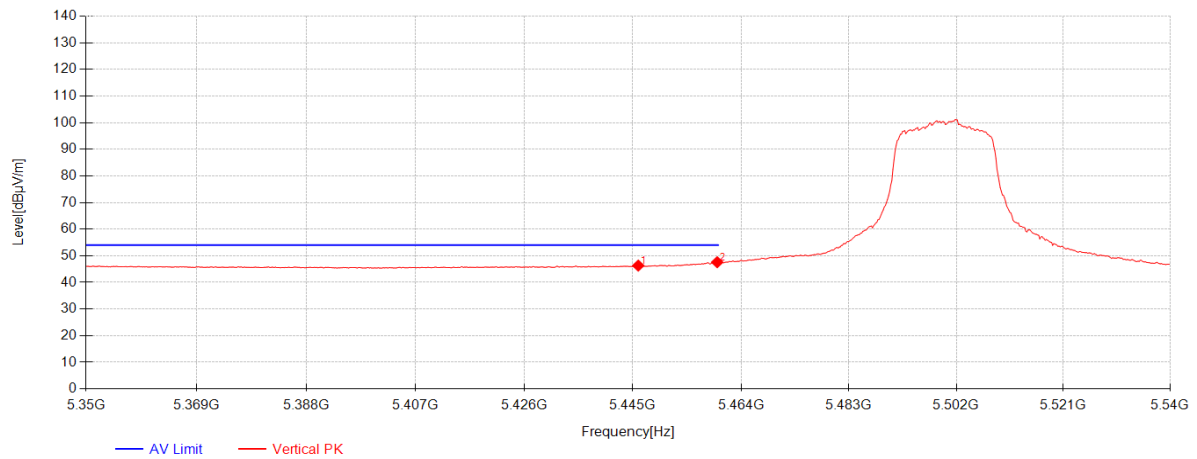
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5453.74	26.37	32.51	-12.63	46.25	54.00	7.75	Horizontal
2	5459.25	26.56	32.54	-12.61	46.49	54.00	7.51	Horizontal

11a_TX_CH_100_Vertical_Peak



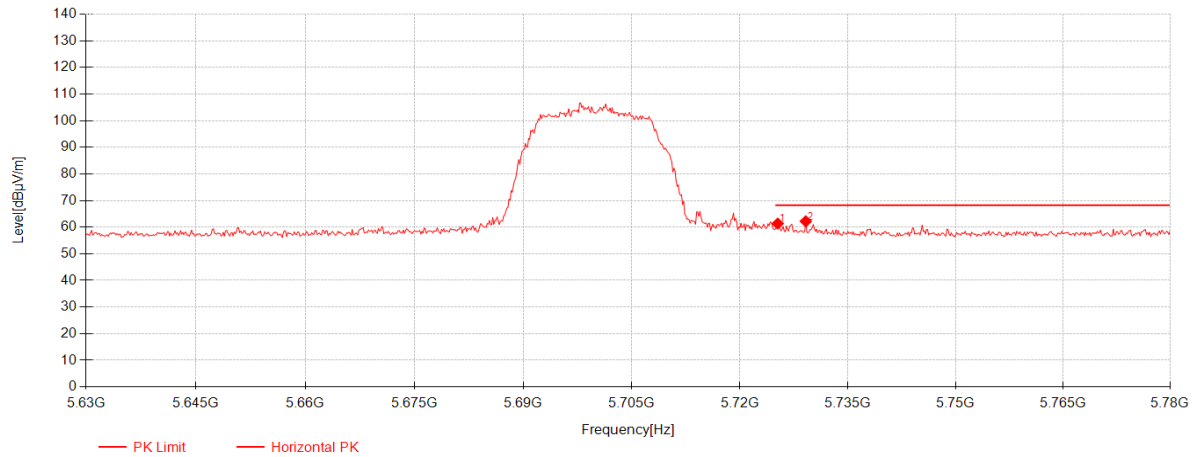
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5440.06	39.51	32.44	-12.70	59.25	74.00	14.75	Vertical
2	5467.8	40.23	32.57	-12.56	60.24	68.30	8.06	Vertical

11a_TX_CH_100_Vertical_Average



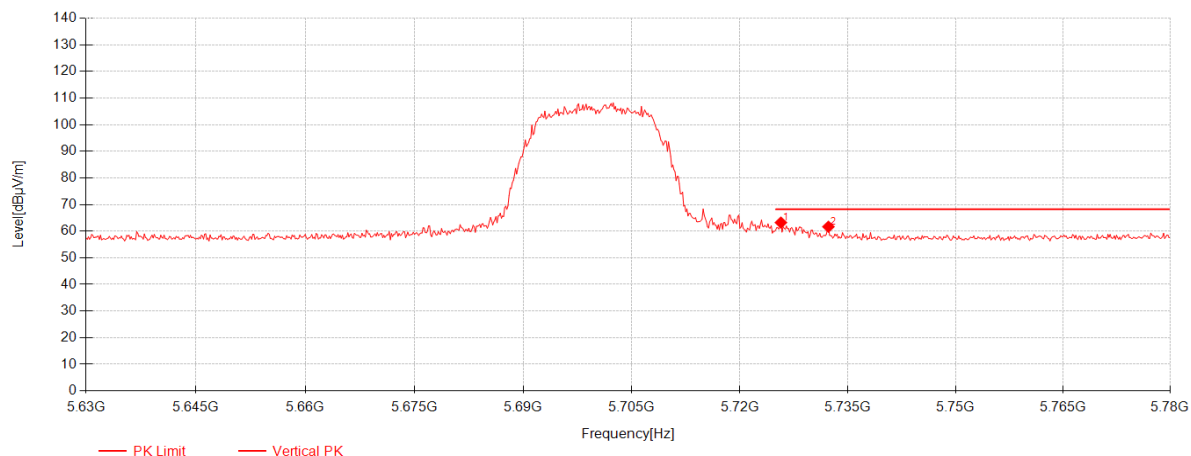
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.95	26.50	32.48	-12.67	46.31	54.00	7.69	Vertical
2	5459.82	27.65	32.54	-12.60	47.59	54.00	6.41	Vertical

11a_TX_CH_140_Horizontal_Peak



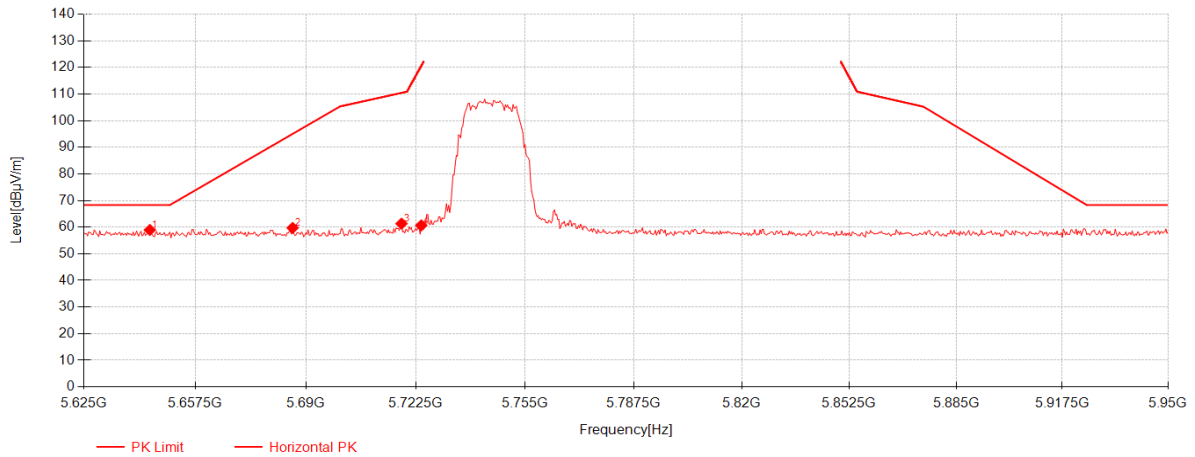
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.25	41.11	32.50	-12.26	61.35	68.20	6.85	Horizontal
2	5729.15	42.01	32.45	-12.25	62.21	68.20	5.99	Horizontal

11a_TX_CH_140_Vertical_Peak



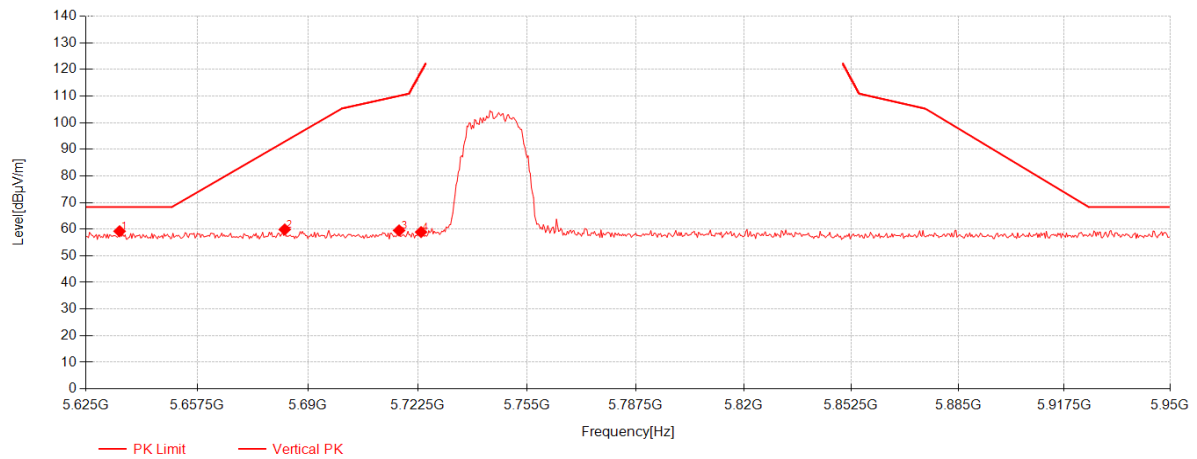
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.7	43.00	32.49	-12.26	63.23	68.20	4.97	Vertical
2	5732.3	41.51	32.41	-12.24	61.68	68.20	6.52	Vertical

11a_TX_CH_149_Horizontal_Peak



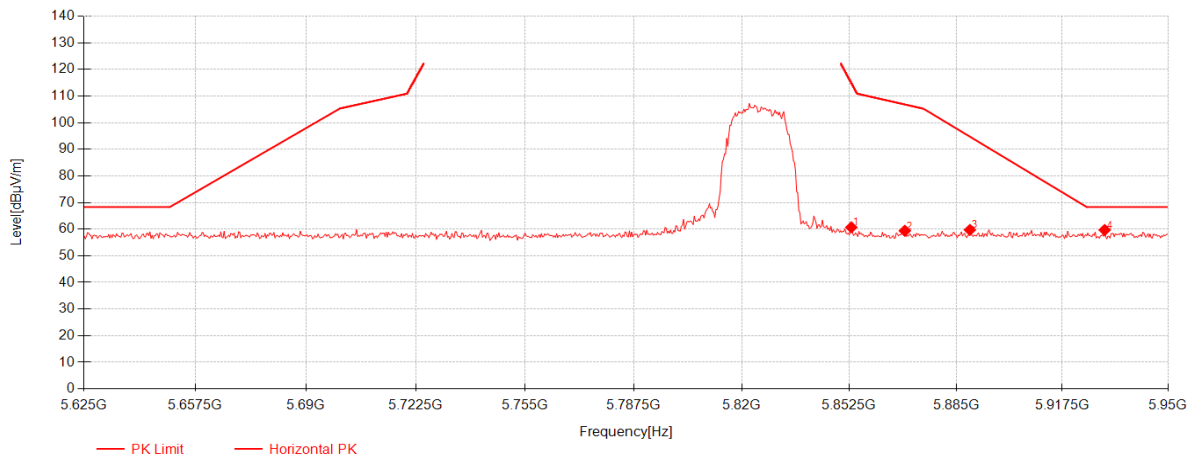
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5644.175	38.45	32.81	-12.31	58.95	68.30	9.35	Horizontal
2	5686.1	39.27	32.80	-12.34	59.73	95.05	35.32	Horizontal
3	5718.275	41.03	32.58	-12.29	61.32	110.42	49.10	Horizontal
4	5724.125	40.42	32.51	-12.27	60.66	120.31	59.65	Horizontal

11a_TX_CH_149_Vertical_Peak



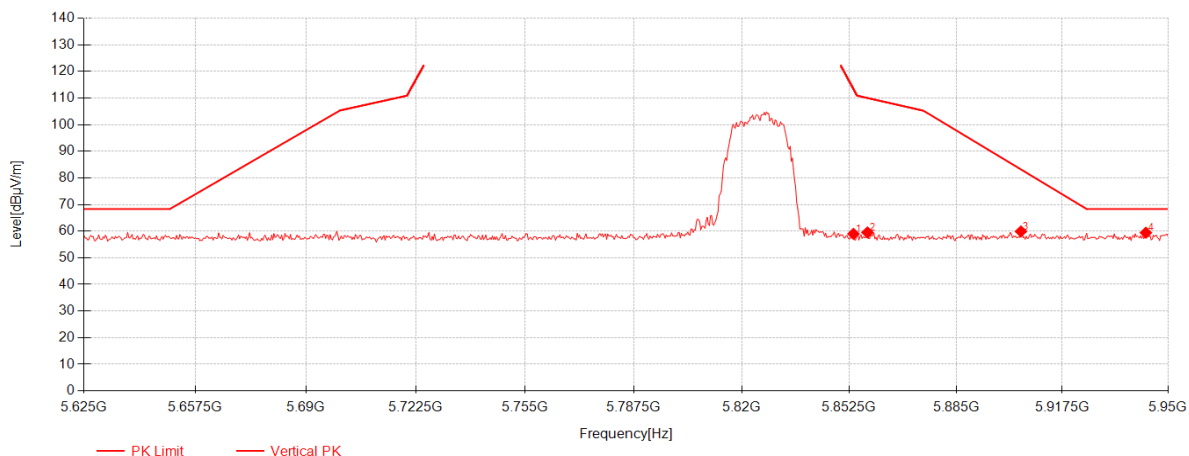
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5634.75	38.69	32.83	-12.30	59.22	68.30	9.08	Vertical
2	5683.175	39.43	32.80	-12.34	59.89	92.89	33.00	Vertical
3	5716.975	39.21	32.60	-12.29	59.52	110.05	50.53	Vertical
4	5723.475	38.66	32.52	-12.27	58.91	118.82	59.91	Vertical

11a_TX_CH_165_Horizontal_Peak



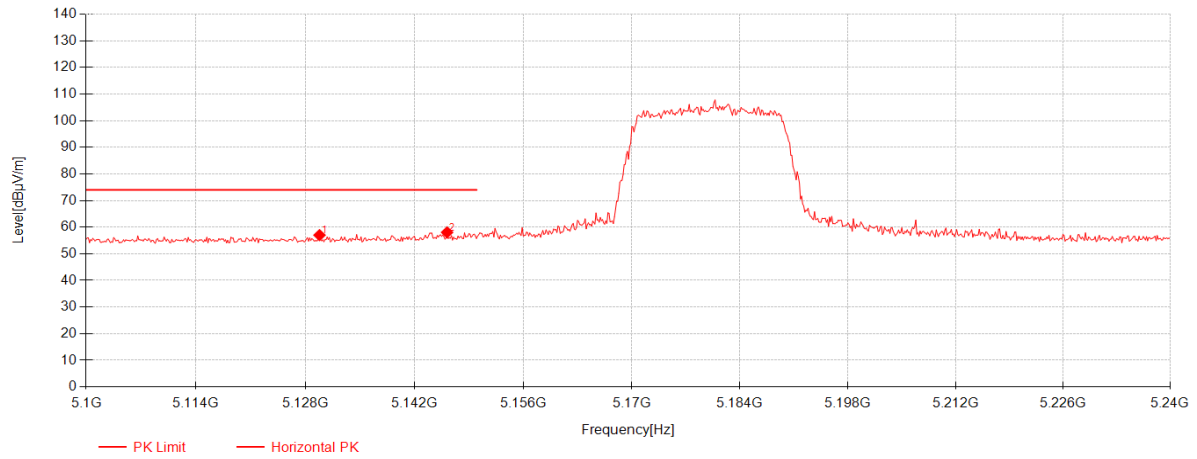
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5853.15	40.19	32.54	-12.03	60.70	115.12	54.42	Horizontal
2	5869.4	38.71	32.73	-12.04	59.40	106.87	47.47	Horizontal
3	5889.225	38.81	32.97	-12.05	59.73	94.74	35.01	Horizontal
4	5930.5	38.55	33.16	-12.01	59.70	68.30	8.60	Horizontal

11a_TX_CH_165_Vetical_Peak



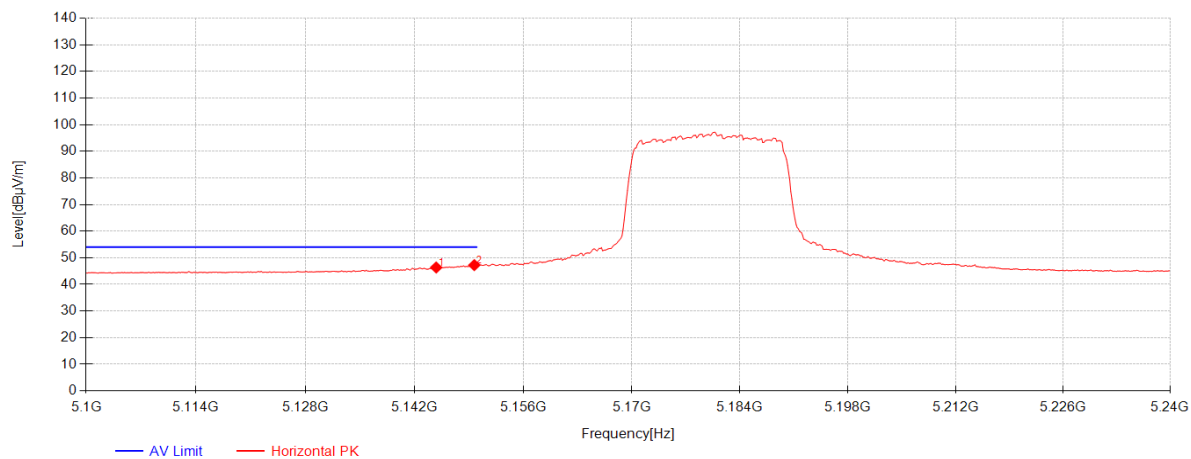
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5853.8	38.47	32.55	-12.03	58.99	113.64	54.65	Vertical
2	5858.025	38.95	32.60	-12.03	59.52	110.05	50.53	Vertical
3	5904.825	38.85	33.11	-12.05	59.91	83.19	23.28	Vertical
4	5943.175	38.23	33.19	-12.00	59.42	68.30	8.88	Vertical

11ax(HE20)_TX_CH_36_Horizontal_Peak



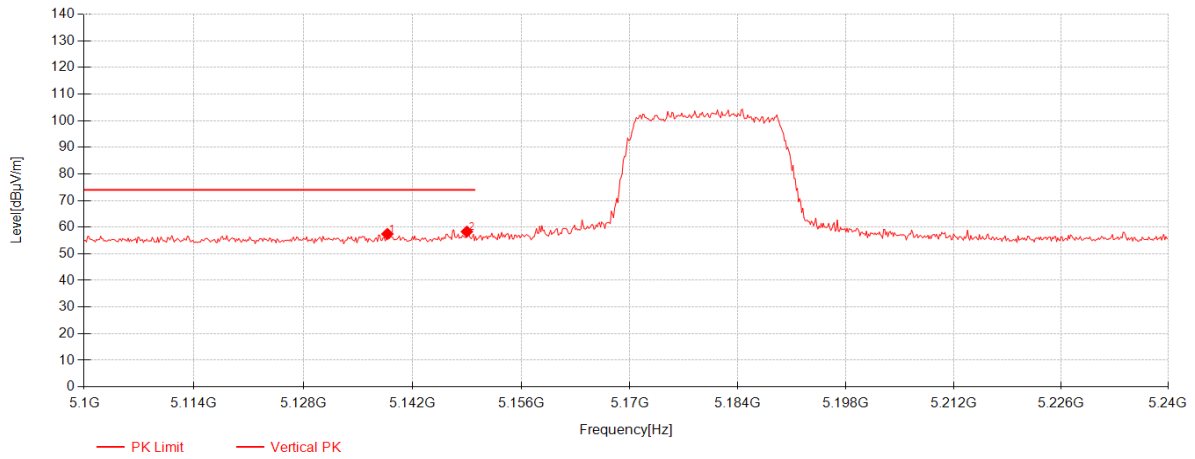
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5129.82	38.10	31.98	-13.07	57.01	74.00	16.99	Horizontal
2	5146.2	39.04	32.08	-13.06	58.06	74.00	15.94	Horizontal

11ax(HE20)_TX_CH_36_Horizontal_Average



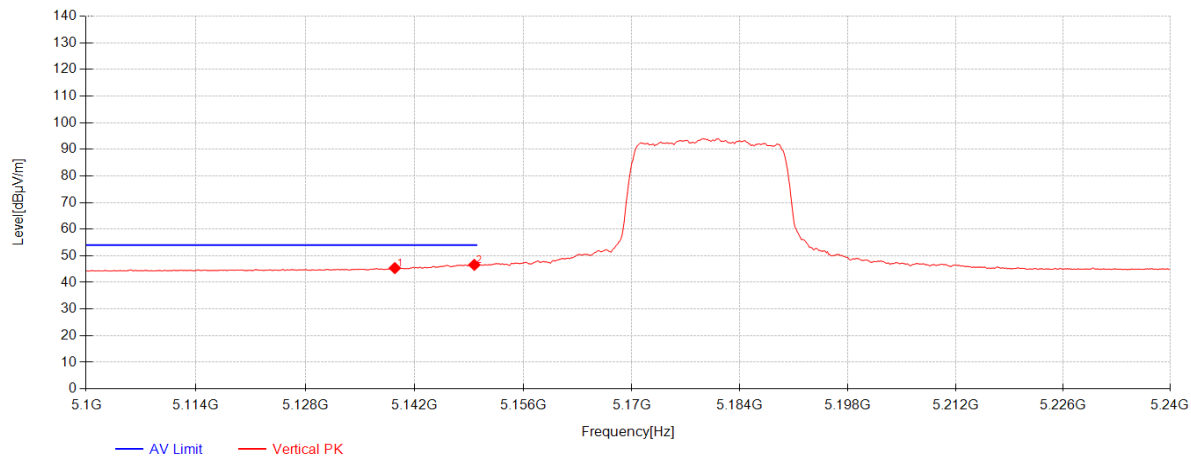
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.8	27.34	32.07	-13.06	46.35	54.00	7.65	Horizontal
2	5149.7	28.20	32.10	-13.06	47.24	54.00	6.76	Horizontal

11ax(HE20)_TX_CH_36_Veritical_Peak



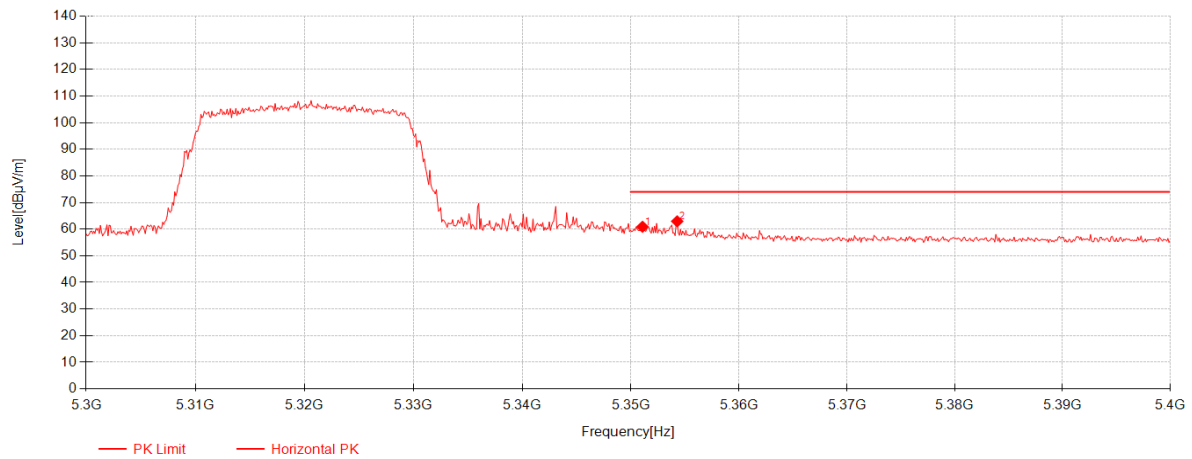
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.78	38.48	32.03	-13.06	57.45	74.00	16.55	Vertical
2	5149	39.30	32.09	-13.06	58.33	74.00	15.67	Vertical

11ax(HE20)_TX_CH_36_Veritical_Average



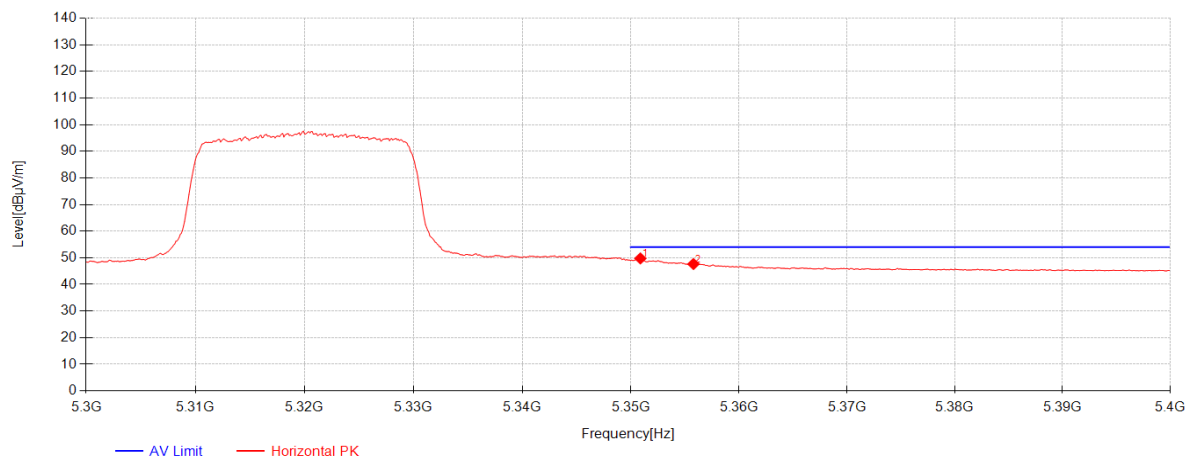
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5139.48	26.39	32.04	-13.06	45.37	54.00	8.63	Vertical
2	5149.7	27.56	32.10	-13.06	46.60	54.00	7.40	Vertical

11ax(HE20)_TX_CH_64_Horizontal_Peak



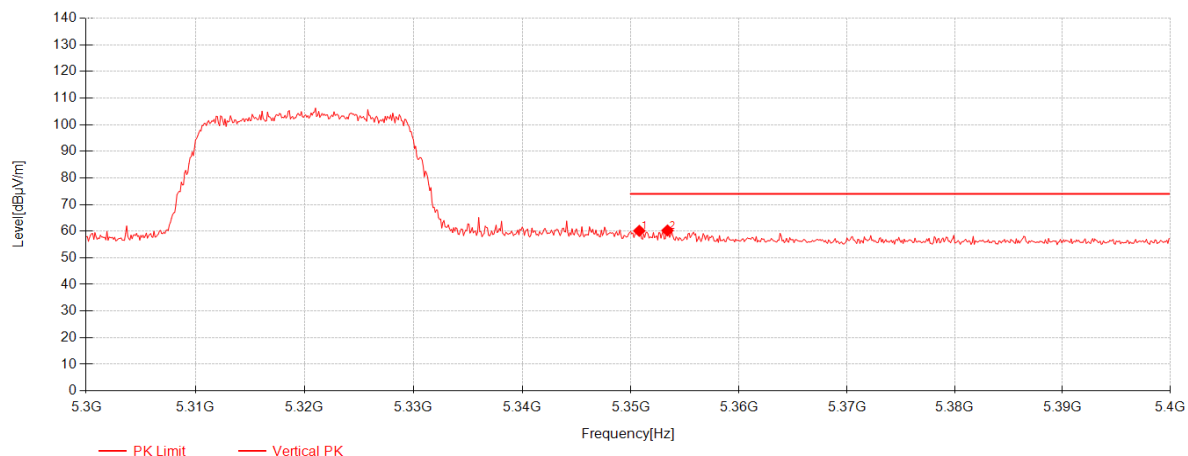
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.1	41.14	32.49	-12.73	60.90	74.00	13.10	Horizontal
2	5354.3	43.21	32.47	-12.74	62.94	74.00	11.06	Horizontal

11ax(HE20)_TX_CH_64_Horizontal_Average



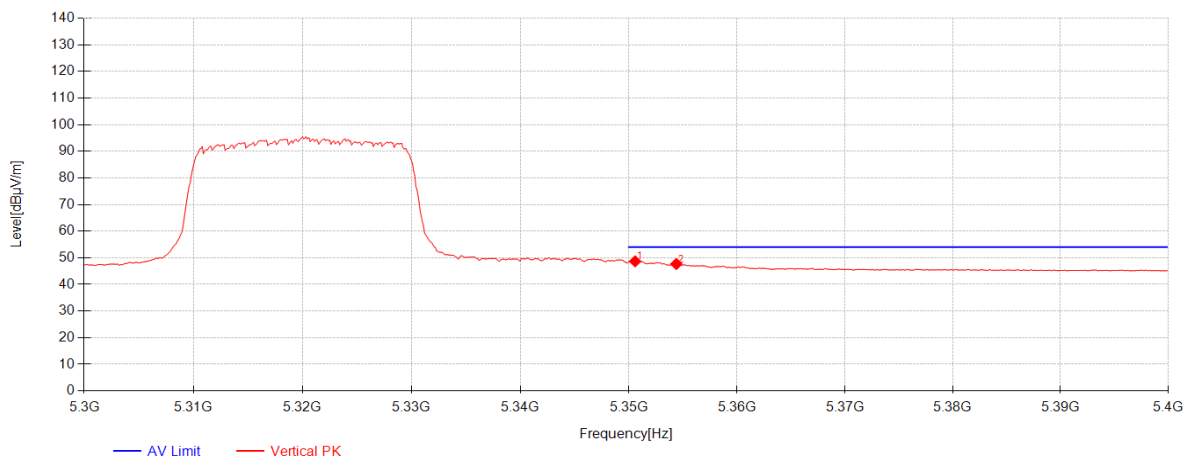
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.9	30.01	32.49	-12.73	49.77	54.00	4.23	Horizontal
2	5355.8	27.93	32.47	-12.74	47.66	54.00	6.34	Horizontal

11ax(HE20)_TX_CH_64_Veritical_Peak



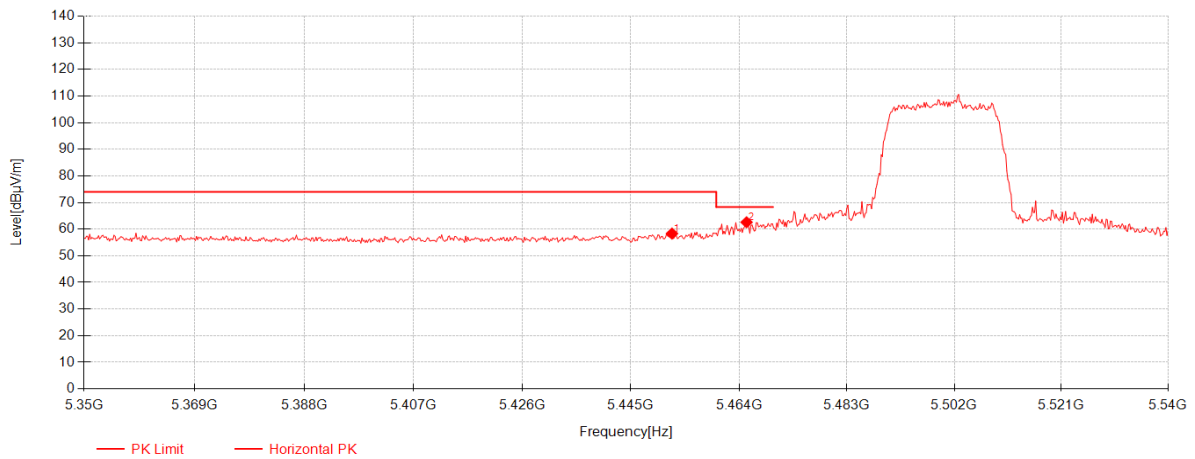
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.8	40.35	32.50	-12.73	60.12	74.00	13.88	Vertical
2	5353.4	40.52	32.48	-12.74	60.26	74.00	13.74	Vertical

11ax(HE20)_TX_CH_64_Veritical_Average



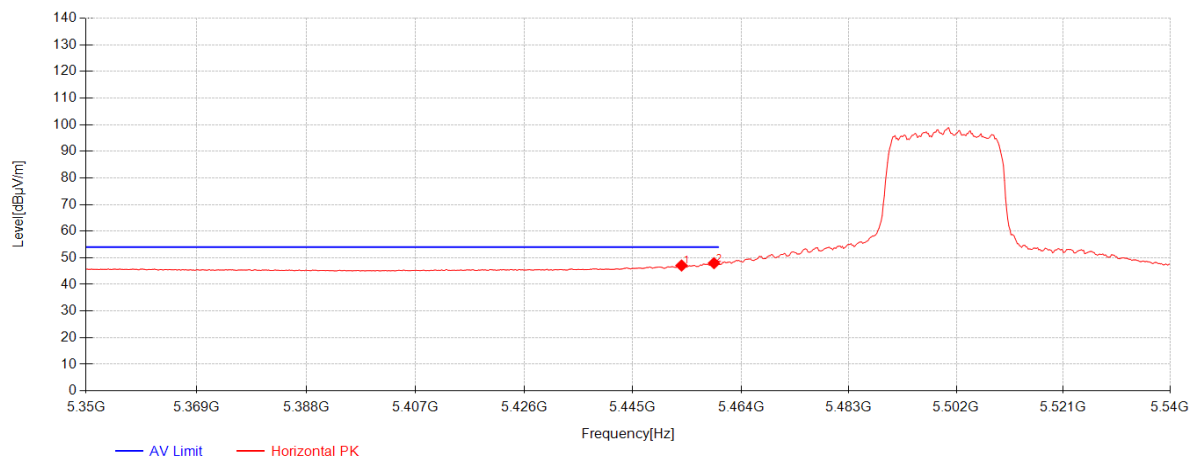
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6	28.91	32.50	-12.73	48.68	54.00	5.32	Vertical
2	5354.4	27.94	32.47	-12.74	47.67	54.00	6.33	Vertical

11ax(HE20)_TX_CH_100_Horizontal_Peak



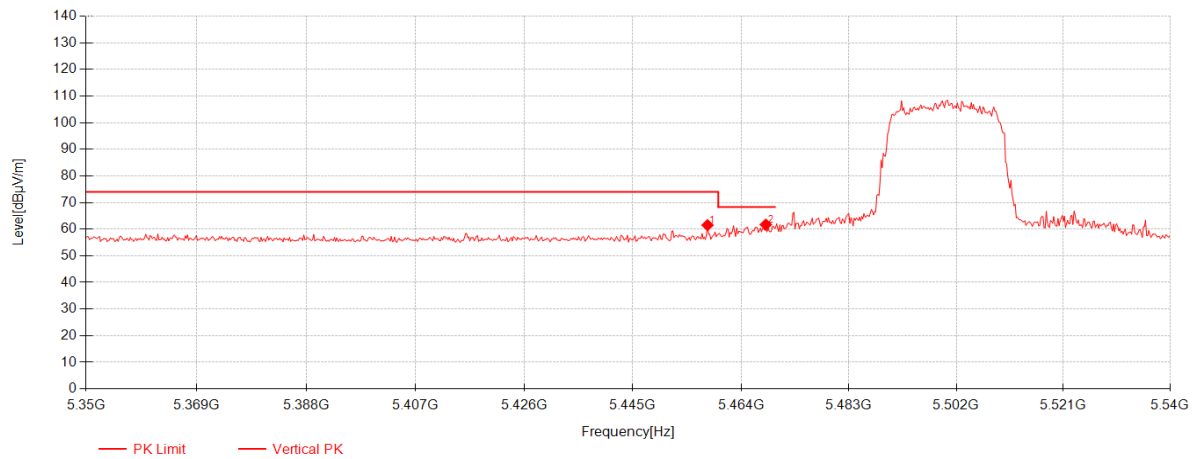
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5452.22	38.48	32.51	-12.64	58.35	74.00	15.65	Horizontal
2	5465.33	42.61	32.56	-12.58	62.59	68.30	5.71	Horizontal

11ax(HE20)_TX_CH_100_Horizontal_Average



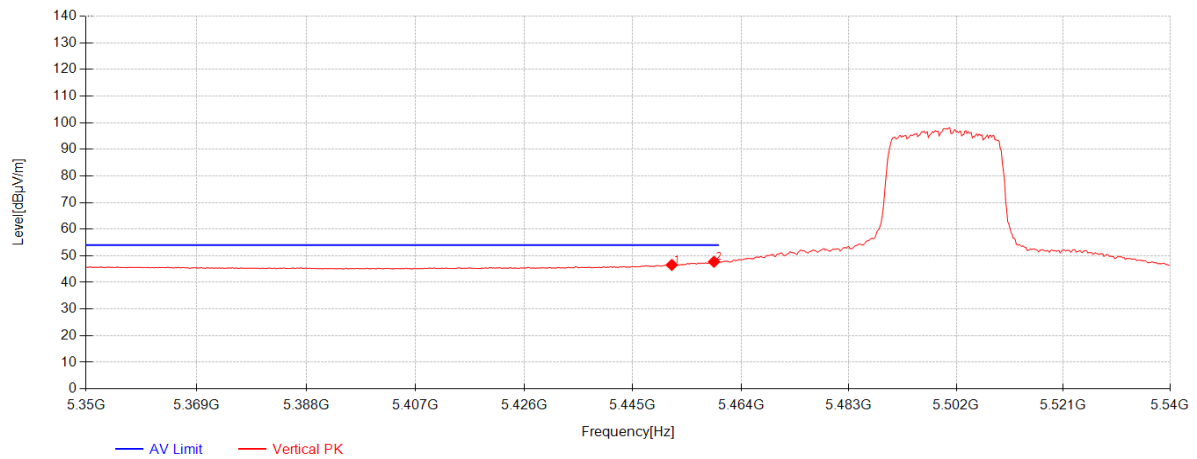
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5453.55	27.21	32.51	-12.63	47.09	54.00	6.91	Horizontal
2	5459.25	28.04	32.54	-12.61	47.97	54.00	6.03	Horizontal

11ax(HE20)_TX_CH_100_Verical_Peak



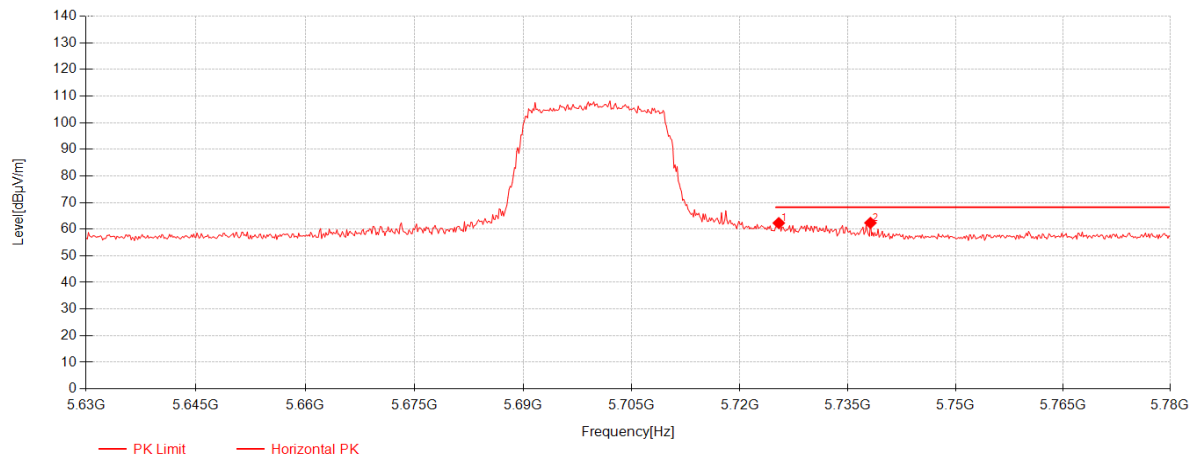
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.11	41.60	32.53	-12.61	61.52	74.00	12.48	Vertical
2	5468.37	41.71	32.57	-12.56	61.72	68.30	6.58	Vertical

11ax(HE20)_TX_CH_100_Vetical_Average



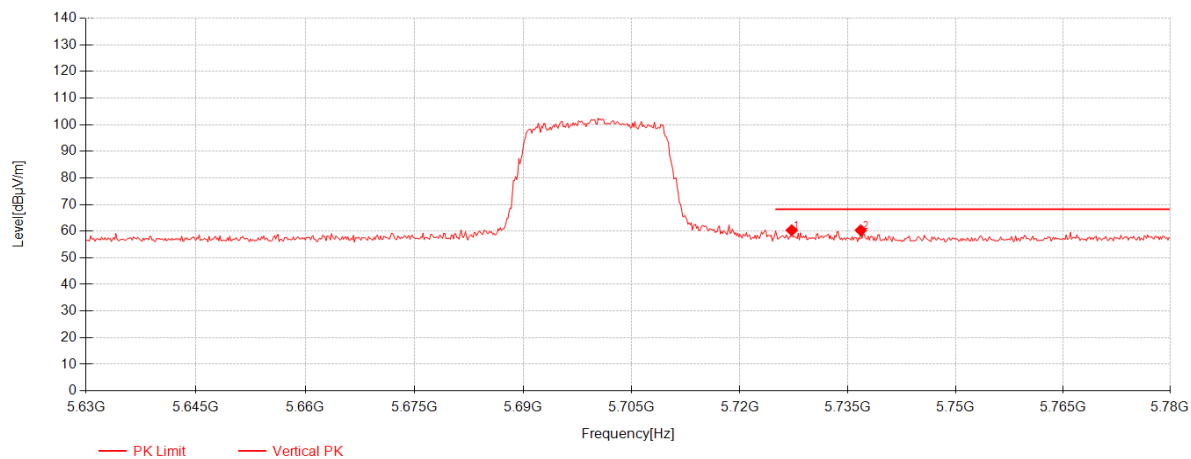
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5451.84	26.70	32.51	-12.64	46.57	54.00	7.43	Vertical
2	5459.25	27.83	32.54	-12.61	47.76	54.00	6.24	Vertical

11ax(HE20)_TX_CH_140_Horizontal_Peak



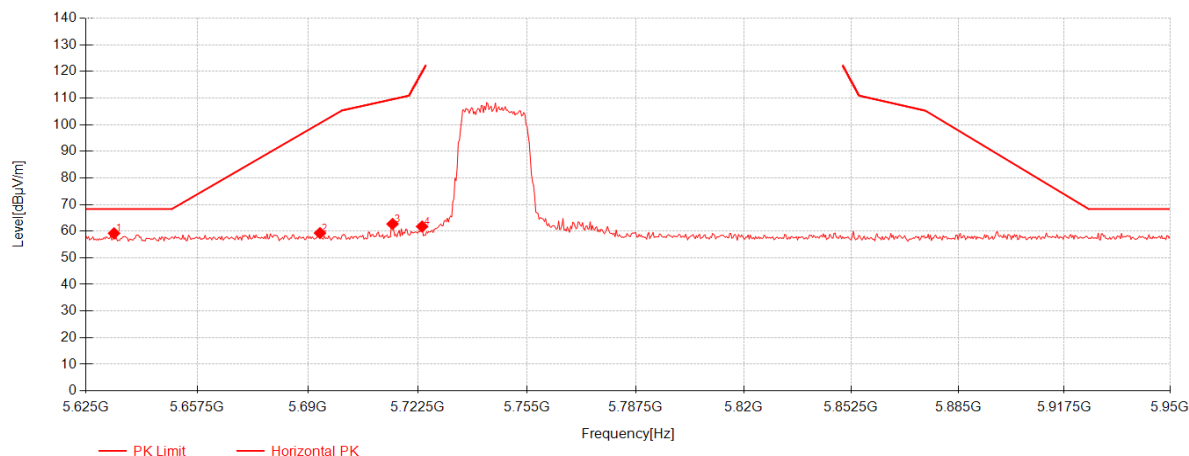
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.4	42.07	32.50	-12.26	62.31	68.20	5.89	Horizontal
2	5738.15	42.24	32.34	-12.22	62.36	68.20	5.84	Horizontal

11ax(HE20)_TX_CH_140_Verical_Peak



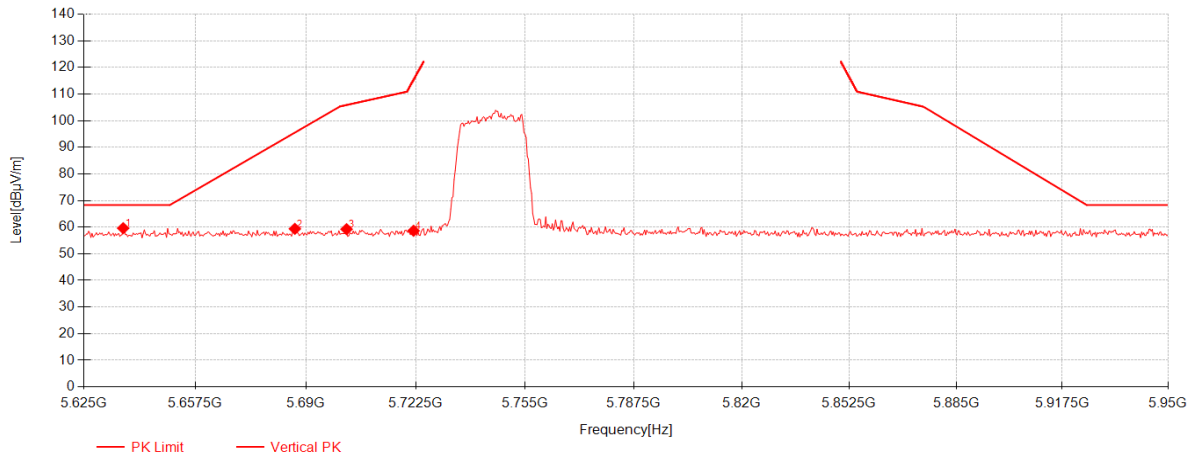
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5727.2	40.13	32.47	-12.25	60.35	68.20	7.85	Vertical
2	5736.8	40.18	32.36	-12.22	60.32	68.20	7.88	Vertical

11ax(HE20)_TX_CH_149_Horizontal_Peak



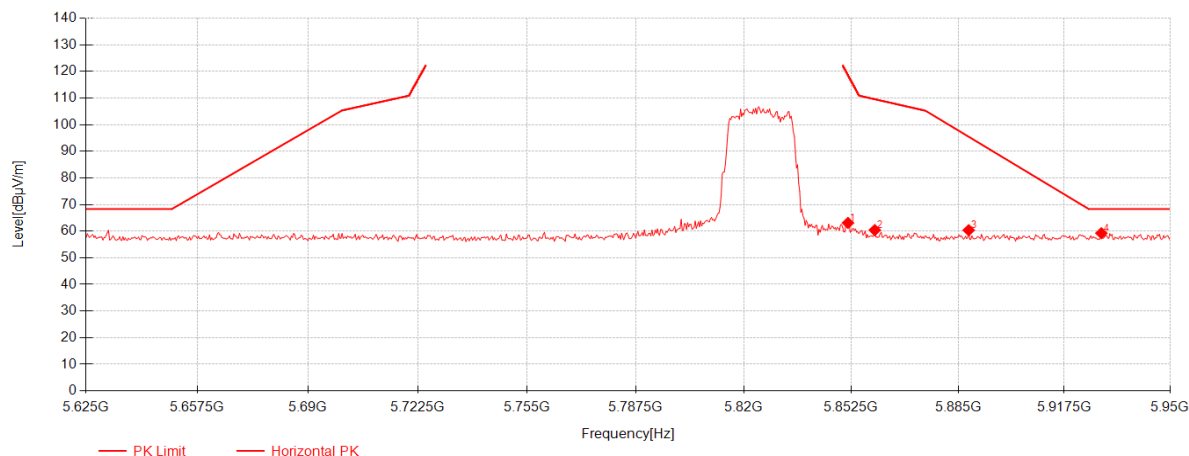
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5633.125	38.67	32.83	-12.30	59.20	68.30	9.10	Horizontal
2	5693.575	38.84	32.80	-12.35	59.29	100.56	41.27	Horizontal
3	5715.025	42.39	32.62	-12.30	62.71	109.51	46.80	Horizontal
4	5723.8	41.51	32.51	-12.27	61.75	119.56	57.81	Horizontal

11ax(HE20)_TX_CH_149_Verical_Peak



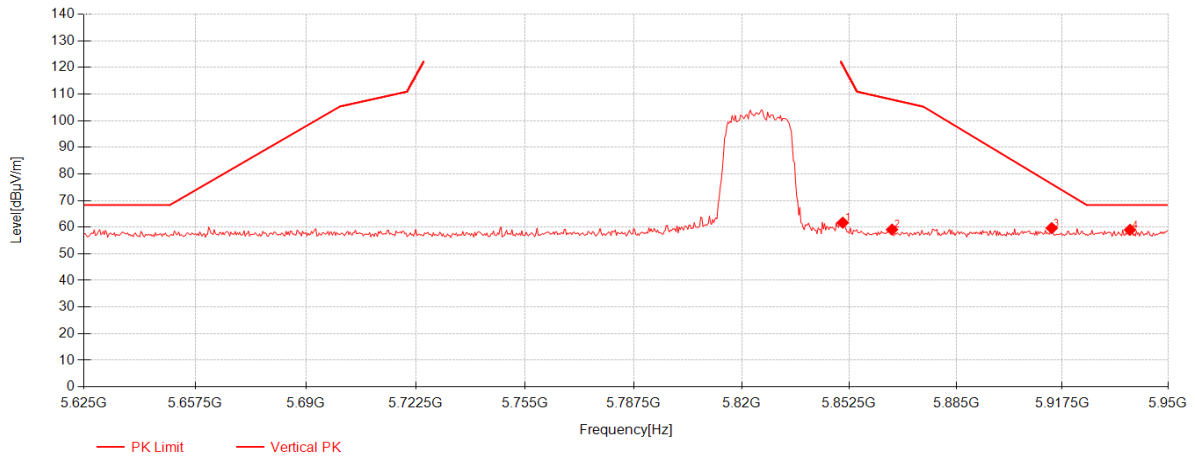
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5636.375	39.10	32.83	-12.31	59.62	68.30	8.68	Vertical
2	5686.75	38.91	32.80	-12.34	59.37	95.53	36.16	Vertical
3	5702.025	38.80	32.78	-12.34	59.24	105.87	46.63	Vertical
4	5721.85	38.37	32.54	-12.27	58.64	115.12	56.48	Vertical

11ax(HE20)_TX_CH_165_Horizontal_Peak



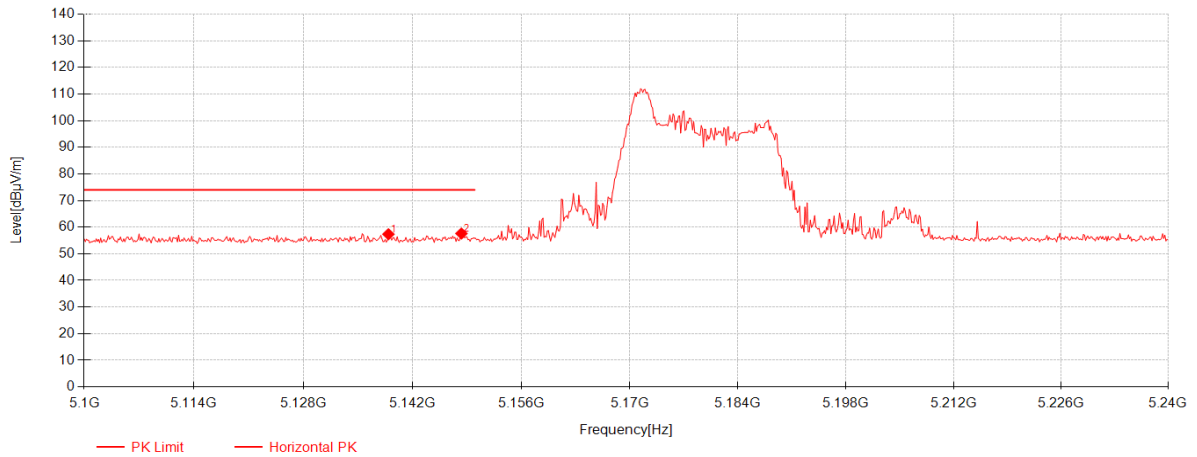
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.525	42.62	32.52	-12.03	63.11	118.82	55.71	Horizontal
2	5859.65	39.83	32.62	-12.04	60.41	109.60	49.19	Horizontal
3	5888.25	39.46	32.96	-12.05	60.37	95.46	35.09	Horizontal
4	5928.875	38.11	33.16	-12.02	59.25	68.30	9.05	Horizontal

11ax(HE20)_TX_CH_165_Vertical_Peak



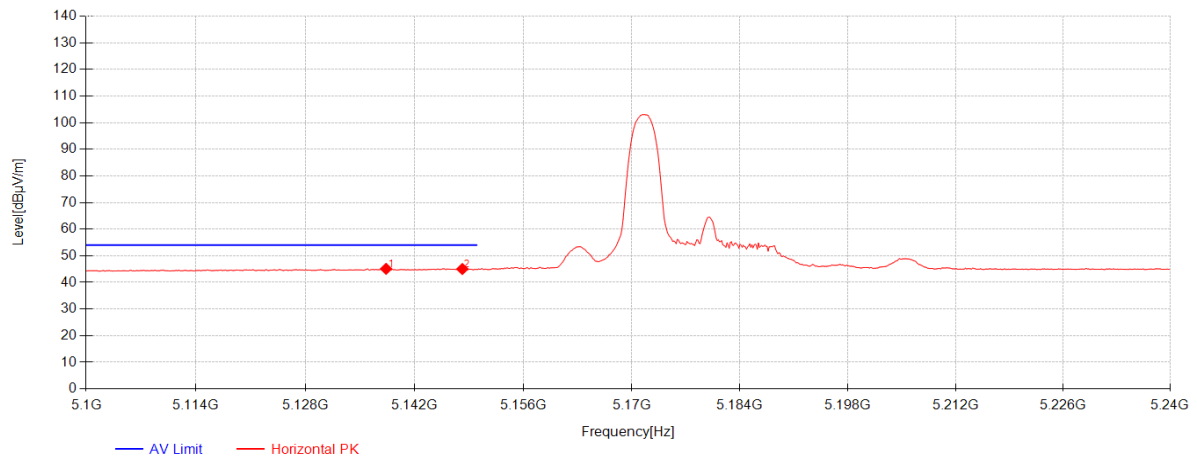
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.55	41.21	32.51	-12.03	61.69	121.05	59.36	Vertical
2	5865.5	38.44	32.69	-12.04	59.09	107.96	48.87	Vertical
3	5914.25	38.56	33.13	-12.04	59.65	76.23	16.58	Vertical
4	5938.3	37.82	33.18	-12.00	59.00	68.30	9.30	Vertical

11ax(HE20)_TX_RU26_Left_CH_36_Horizontal_Peak



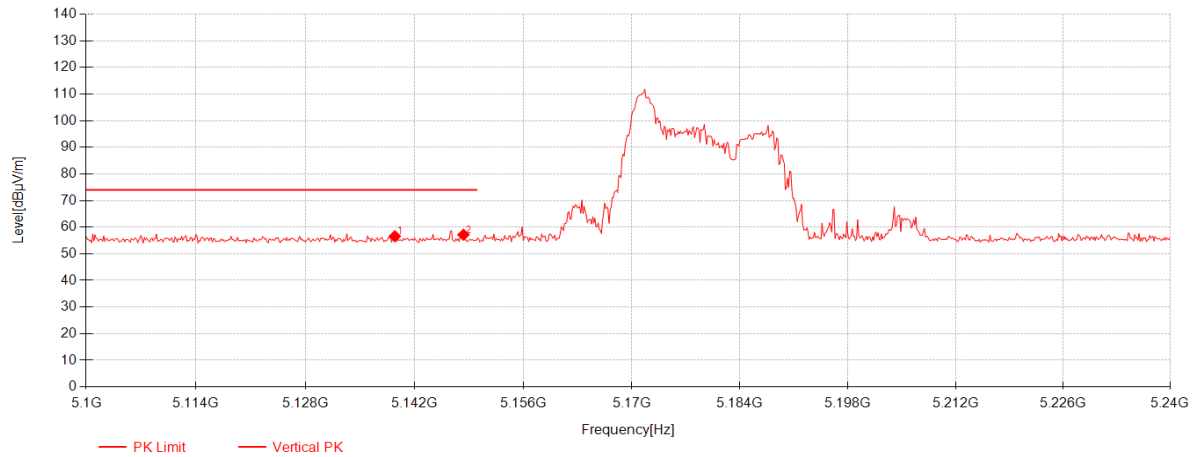
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.92	38.39	32.03	-13.06	57.36	74.00	16.64	Horizontal
2	5148.3	38.59	32.09	-13.06	57.62	74.00	16.38	Horizontal

11ax(HE20)_TX_RU26_Left_CH_36_Horizontal_Average



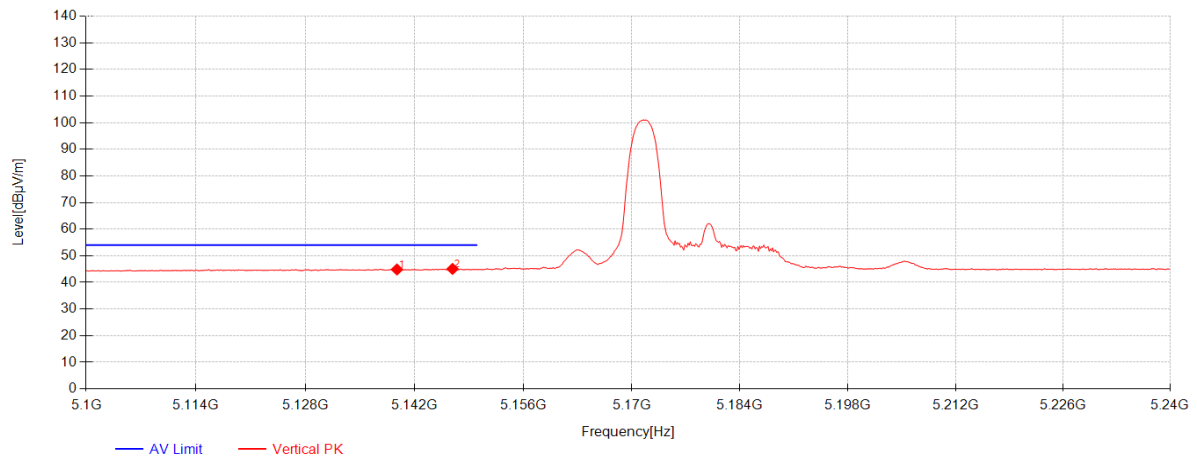
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.36	26.13	32.03	-13.06	45.10	54.00	8.90	Horizontal
2	5148.16	26.00	32.09	-13.06	45.03	54.00	8.97	Horizontal

11ax(HE20)_TX_RU26_Left_CH_36_Vertical_Peak



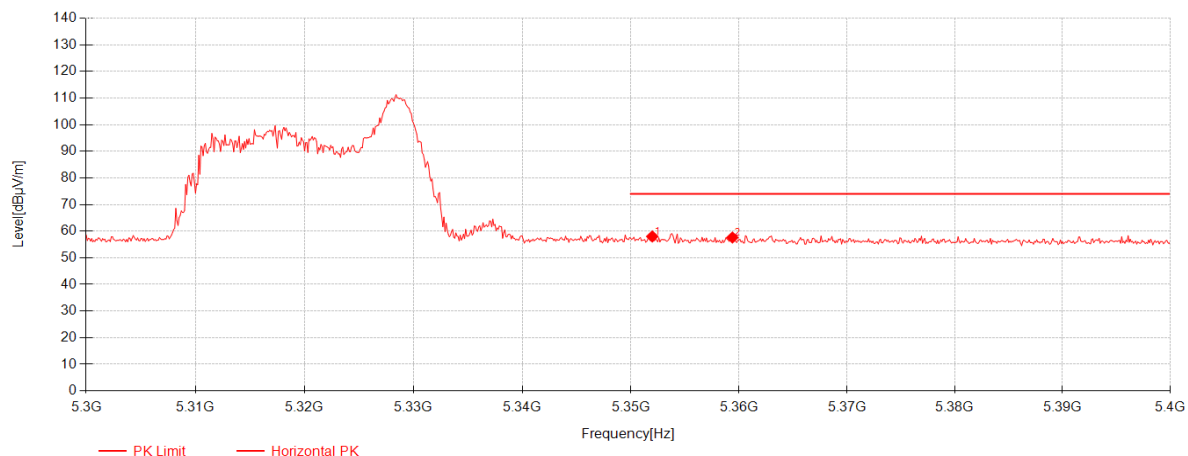
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5139.48	37.61	32.04	-13.06	56.59	74.00	17.41	Vertical
2	5148.3	38.13	32.09	-13.06	57.16	74.00	16.84	Vertical

11ax(HE20)_TX_RU26_Left_CH_36_Vertical_Average



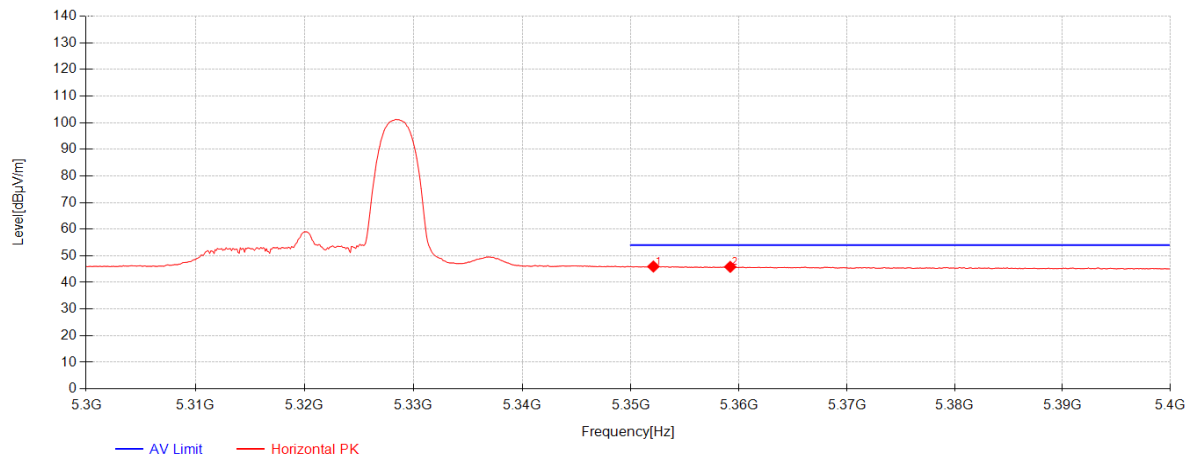
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5139.76	25.87	32.04	-13.06	44.85	54.00	9.15	Vertical
2	5146.9	26.04	32.08	-13.06	45.06	54.00	8.94	Vertical

11ax(HE20)_TX_RU26_Right_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	5352	38.25	32.49	-12.73	58.01	74.00	15.99	Horizontal
2	5359.4	37.95	32.44	-12.76	57.63	74.00	16.37	Horizontal

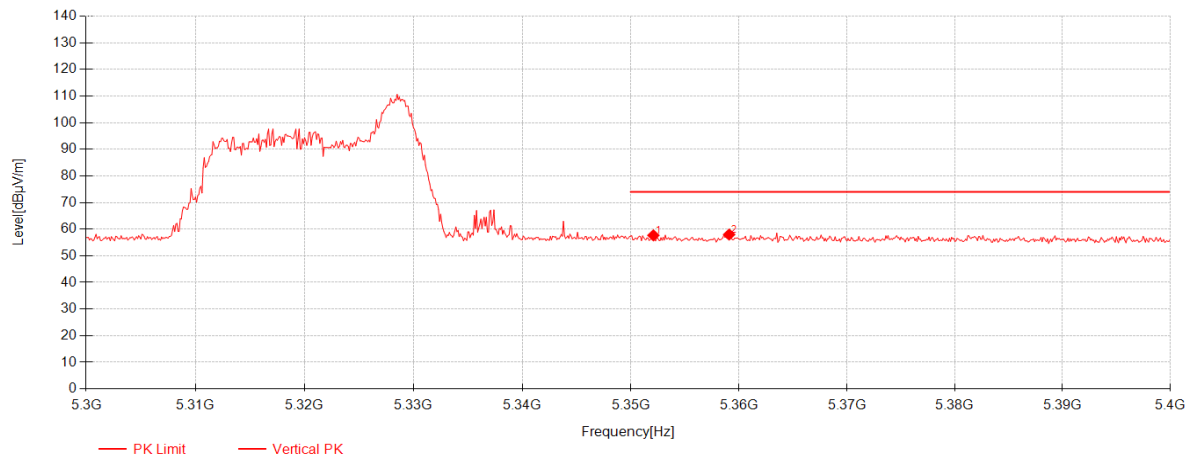
11ax(HE20)_TX_RU26_Right_CH_64_Horizontal_Average



Data List

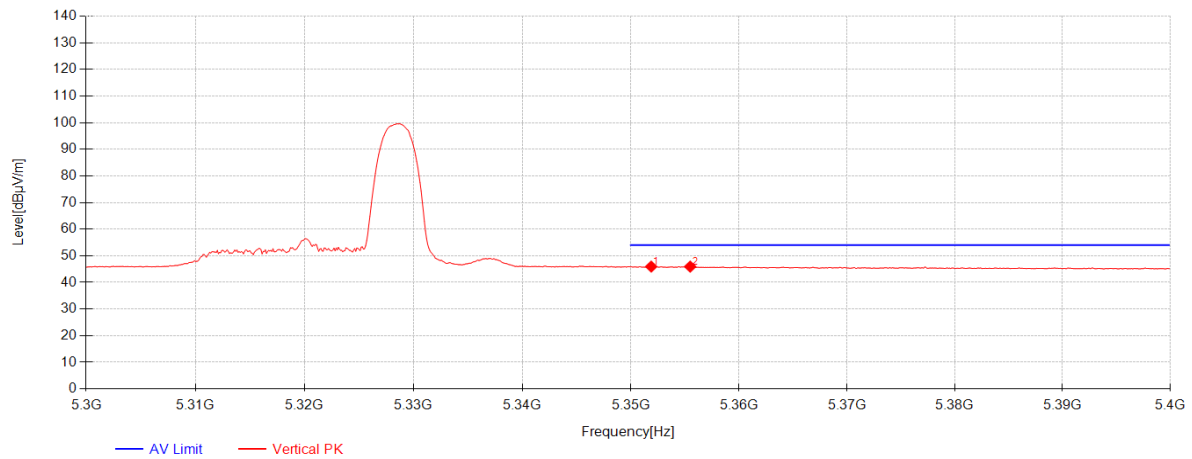
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.1	26.21	32.49	-12.73	45.97	54.00	8.03	Horizontal
2	5359.2	26.17	32.44	-12.76	45.85	54.00	8.15	Horizontal

11ax(HE20)_TX_RU26_Right_CH_64_Vertical_Peak



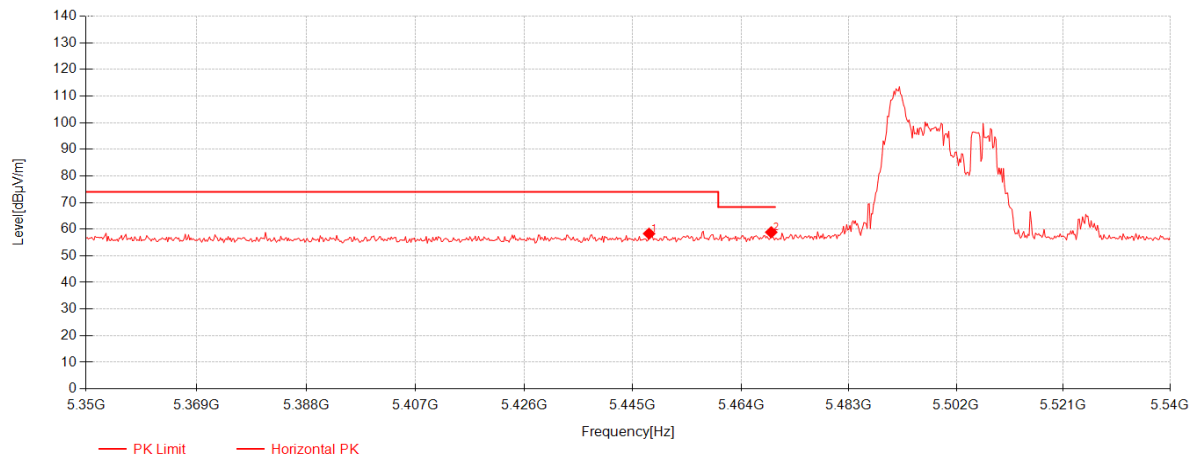
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.1	37.93	32.49	-12.73	57.69	74.00	16.31	Vertical
2	5359.1	38.30	32.45	-12.76	57.99	74.00	16.01	Vertical

11ax(HE20)_TX_RU26_Right_CH_64_Veritical_Average



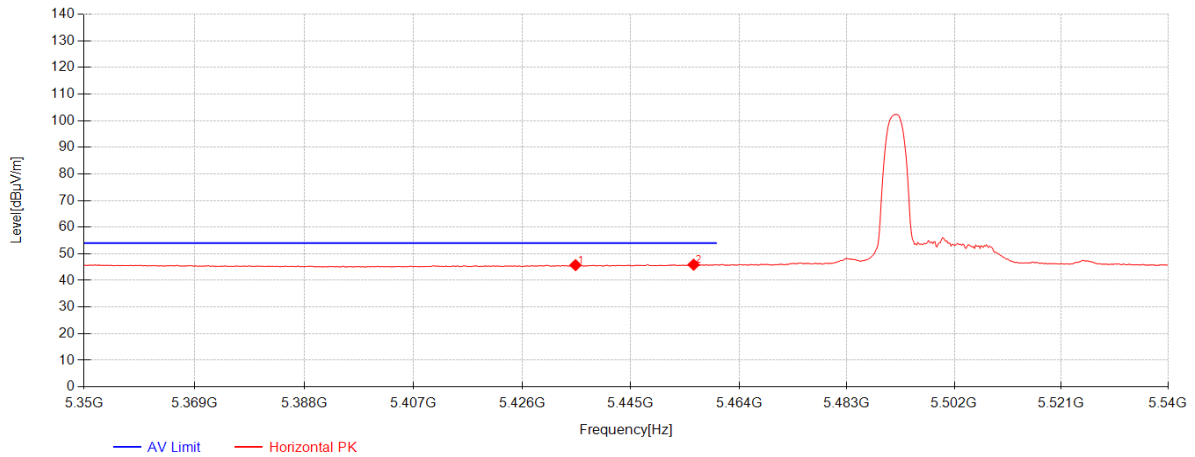
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.9	26.18	32.49	-12.73	45.94	54.00	8.06	Vertical
2	5355.5	26.20	32.47	-12.74	45.93	54.00	8.07	Vertical

11ax(HE20)_TX_RU26_Left_CH_100_Horizontal_Peak



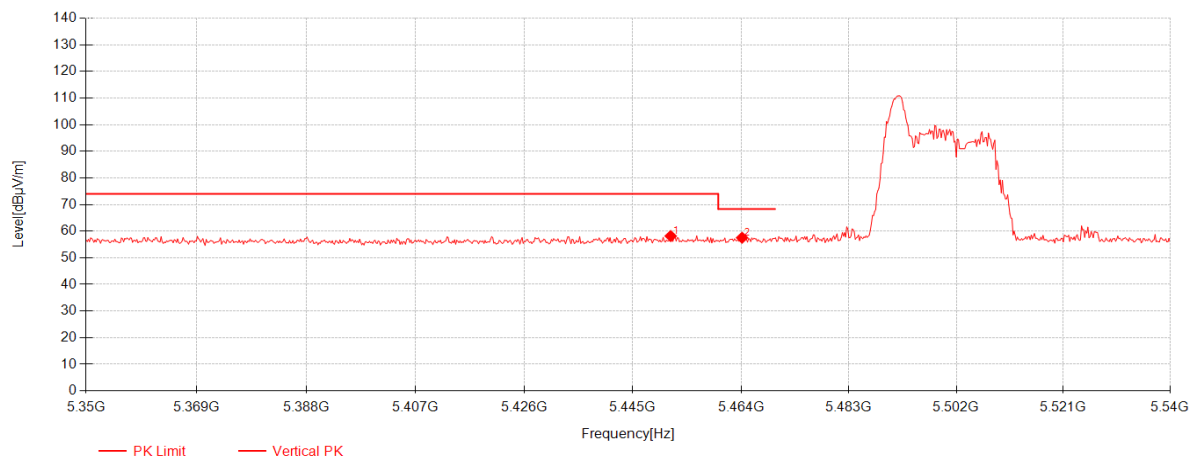
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5447.85	38.50	32.49	-12.66	58.33	74.00	15.67	Horizontal
2	5469.32	38.83	32.58	-12.56	58.85	68.30	9.45	Horizontal

11ax(HE20)_TX_RU26_Left_CH_100_Horizontal_Average



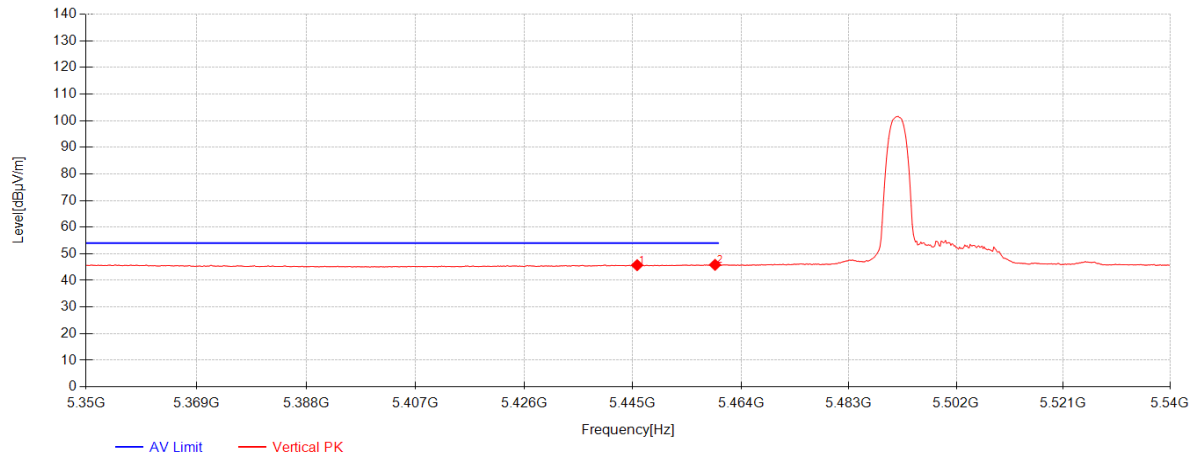
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5435.31	26.06	32.41	-12.72	45.75	54.00	8.25	Horizontal
2	5456.02	26.01	32.52	-12.62	45.91	54.00	8.09	Horizontal

11ax(HE20)_TX_RU26_Left_CH_100_Vertical_Peak



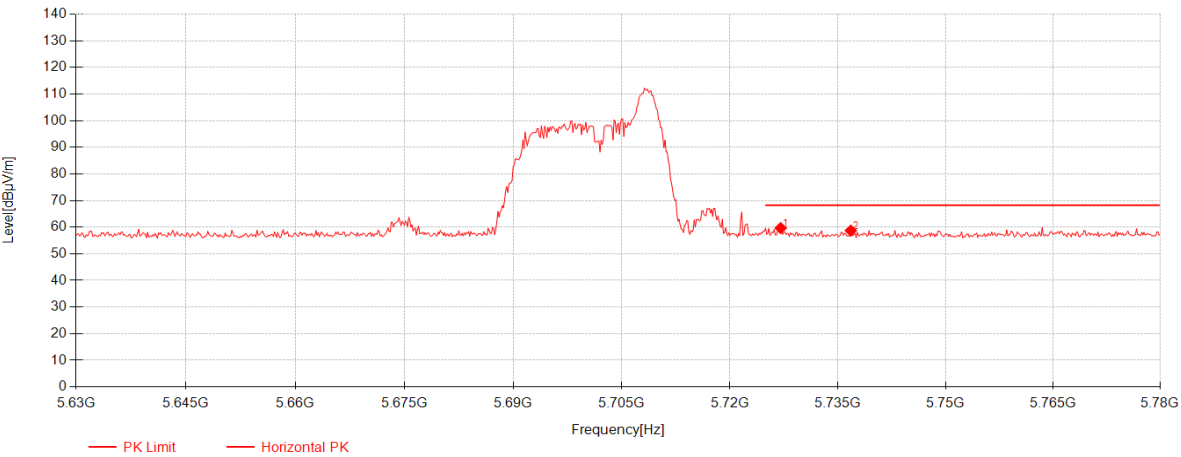
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5451.65	38.29	32.51	-12.64	58.16	74.00	15.84	Vertical
2	5464.19	37.57	32.56	-12.58	57.55	68.30	10.75	Vertical

11ax(HE20)_TX_RU26_Left_CH_100_Vertical_Average



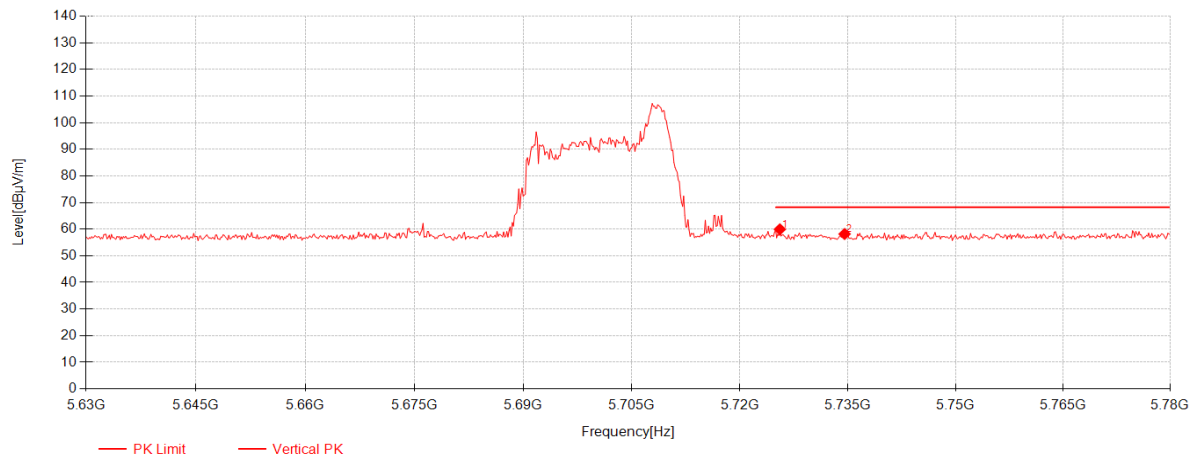
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.76	25.93	32.47	-12.67	45.73	54.00	8.27	Vertical
2	5459.44	25.92	32.54	-12.60	45.86	54.00	8.14	Vertical

11ax(HE20)_TX_RU26_Right_CH_140_Horizontal_Peak



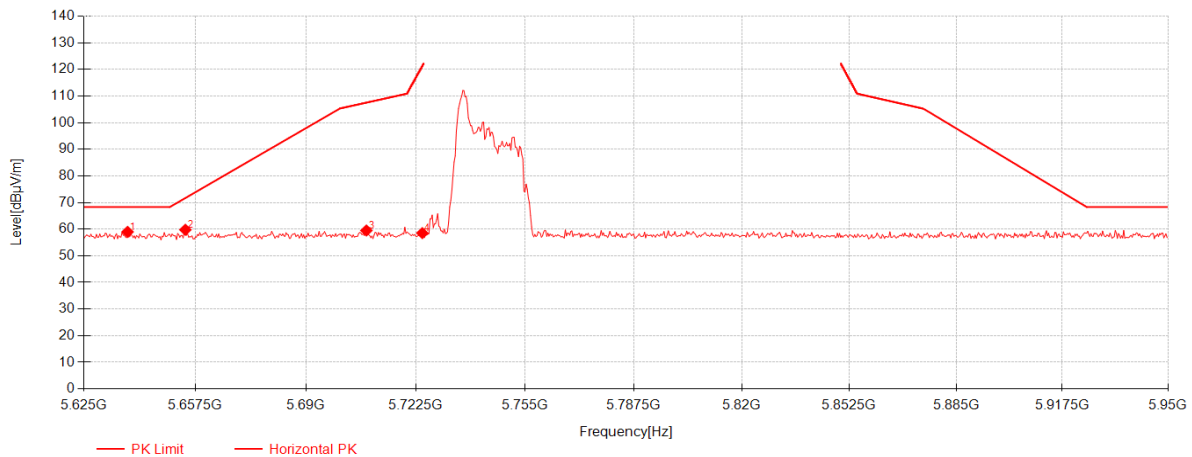
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5727.05	39.45	32.48	-12.26	59.67	68.20	8.53	Horizontal
2	5736.8	38.57	32.36	-12.22	58.71	68.20	9.49	Horizontal

11ax(HE20)_TX_RU26_Right_CH_140_Vertical_Peak



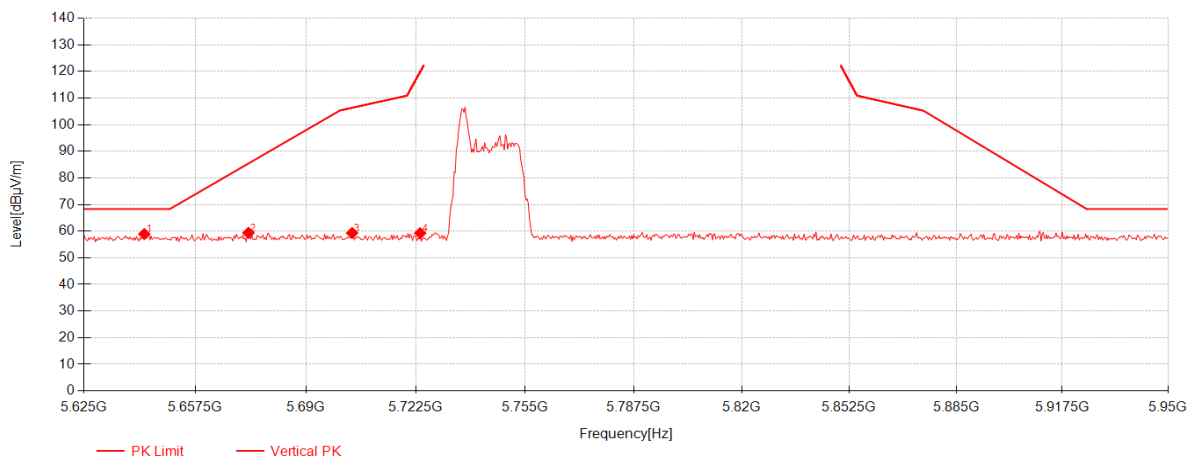
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.55	39.72	32.49	-12.26	59.95	68.20	8.25	Vertical
2	5734.55	38.03	32.39	-12.23	58.19	68.20	10.01	Vertical

11ax(HE20)_TX_RU26_Left_CH_149_Horizontal_Peak



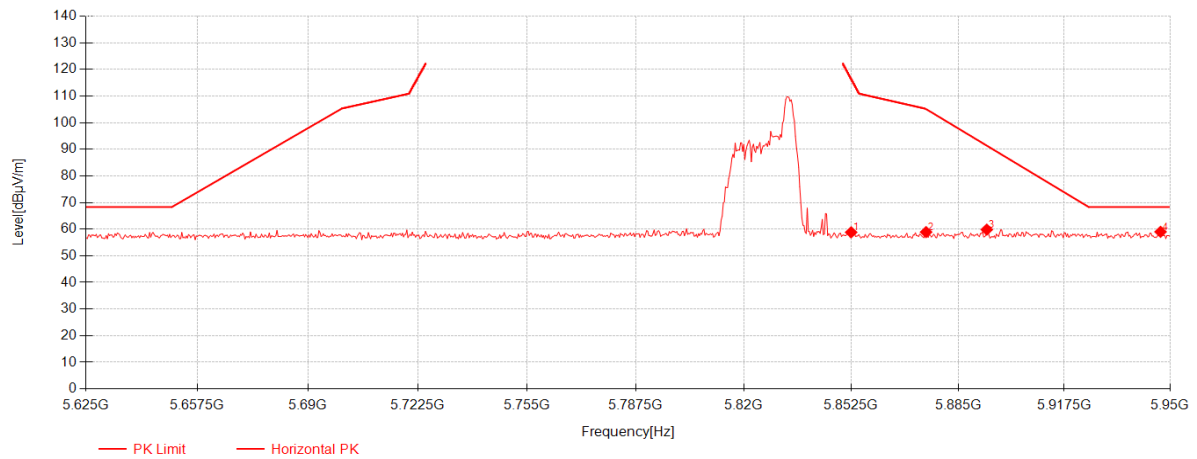
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5637.675	38.49	32.82	-12.31	59.00	68.30	9.30	Horizontal
2	5654.575	39.30	32.80	-12.32	59.78	71.70	11.92	Horizontal
3	5707.875	39.11	32.71	-12.32	59.50	107.51	48.01	Horizontal
4	5724.45	38.27	32.51	-12.26	58.52	121.05	62.53	Horizontal

11ax(HE20)_TX_RU26_Left_CH_149_Vertical_Peak



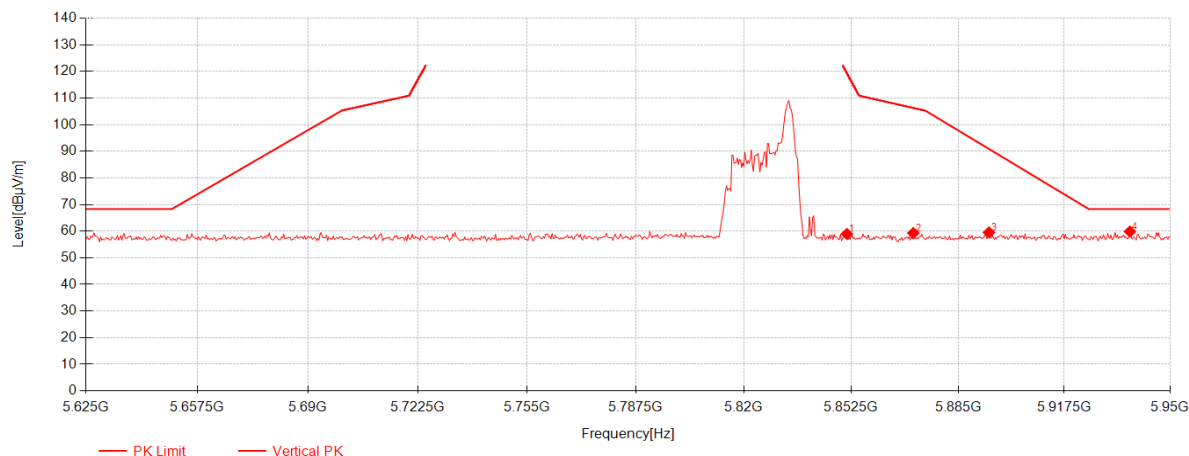
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.55	38.43	32.81	-12.31	58.93	68.30	9.37	Vertical
2	5673.1	38.89	32.80	-12.33	59.36	85.43	26.07	Vertical
3	5703.65	38.88	32.76	-12.34	59.30	106.32	47.02	Vertical
4	5723.8	38.99	32.51	-12.27	59.23	119.56	60.33	Vertical

11ax(HE20)_TX_RU26_Right_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	5852.5	38.33	32.53	-12.03	58.83	116.60	57.77	Horizontal
2	5875.25	38.16	32.80	-12.05	58.91	105.11	46.20	Horizontal
3	5893.775	38.87	33.03	-12.06	59.84	91.37	31.53	Horizontal
4	5947.075	37.80	33.19	-11.99	59.00	68.30	9.30	Horizontal

11ax(HE20)_TX_RU26_Right_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	5851.2	38.47	32.51	-12.03	58.95	119.56	60.61	Vertical
2	5871.35	38.56	32.76	-12.04	59.28	106.32	47.04	Vertical
3	5894.425	38.56	33.03	-12.06	59.53	90.89	31.36	Vertical
4	5937.65	38.67	33.18	-12.00	59.85	68.30	8.45	Vertical

7.4 Maximum Conducted Output Power

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

Test Method: ANSI C63.10 (2020) 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:	<p>* Where B is the 26dB emission bandwidth in MHz.</p> <p>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</p>

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 20.3 °C

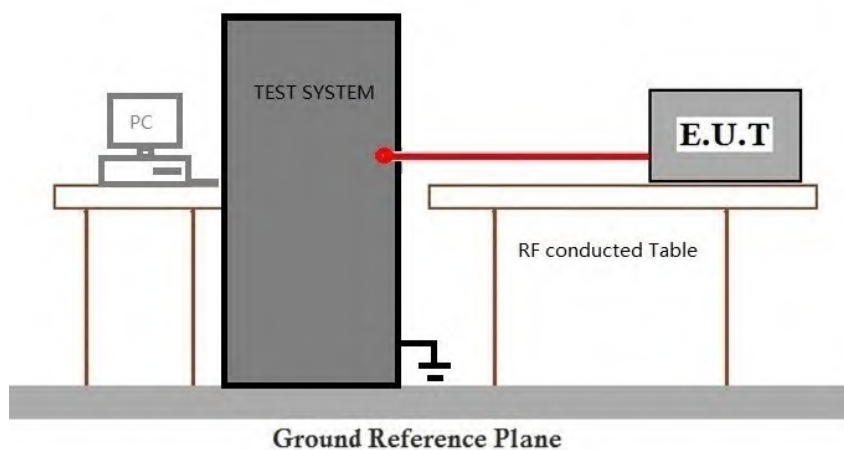
Humidity: 56.0 % RH

Atmospheric Pressure: 1001 mbar

7.4.1 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.4.2 Test Setup Diagram



7.4.3 Measurement Procedure and Data

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

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

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2603000246MO

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SUCR2603000246MO

10 Appendix

1. Maximum Conducted Output Power

1.1 Test Result

1.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	17.06	<=23.98	Pass
		5220	/	/	17.45	<=23.98	Pass
		5240	/	/	17.28	<=23.98	Pass
		5260	/	/	17.71	<=23.96	Pass
		5300	/	/	17.57	<=23.98	Pass
		5320	/	/	17.28	<=23.95	Pass
		5500	/	/	18.05	<=23.98	Pass
		5580	/	/	18.07	<=23.98	Pass
		5700	/	/	18.07	<=23.98	Pass
		5720	/	/	17.56	<=23.98	Pass
		5745	/	/	18.69	<=30	Pass
		5785	/	/	18.55	<=30	Pass
		5825	/	/	18.39	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	17.52	<=23.98	Pass
		5220	/	/	17.60	<=23.98	Pass
		5240	/	/	17.48	<=23.98	Pass
		5260	/	/	17.25	<=23.98	Pass
		5300	/	/	17.11	<=23.98	Pass
		5320	/	/	17.09	<=23.98	Pass
		5500	/	/	17.52	<=23.98	Pass
		5580	/	/	17.67	<=23.98	Pass
		5700	/	/	16.59	<=23.98	Pass
		5720	/	/	17.06	<=23.98	Pass
		5745	/	/	18.14	<=30	Pass
		5785	/	/	18.14	<=30	Pass
		5825	/	/	17.80	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	17.55	<=23.98	Pass
		5220	/	/	17.61	<=23.98	Pass
		5240	/	/	17.41	<=23.98	Pass
		5260	/	/	17.24	<=23.98	Pass
		5300	/	/	17.08	<=23.98	Pass
		5320	/	/	16.97	<=23.98	Pass
		5500	/	/	17.55	<=23.98	Pass
		5580	/	/	17.57	<=23.98	Pass
		5700	/	/	16.71	<=23.98	Pass
		5720	/	/	17.09	<=23.98	Pass
		5745	/	/	18.23	<=30	Pass

802.11ax (HEW20)	SISO	5785	/	/	18.15	<=30	Pass
		5825	/	/	17.83	<=30	Pass
		5180	RU26	/	12.24	<=23.98	Pass
			RU52	/	15.26	<=23.98	Pass
			RU106	/	14.22	<=23.98	Pass
			SU	/	17.79	<=23.98	Pass
		5220	RU26	/	13.30	<=23.98	Pass
			RU52	/	11.93	<=23.98	Pass
			RU106	/	11.33	<=23.98	Pass
			SU	/	17.85	<=23.98	Pass
		5240	RU26	/	12.14	<=23.98	Pass
			RU52	/	13.40	<=23.98	Pass
			RU106	/	13.71	<=23.98	Pass
			SU	/	17.67	<=23.98	Pass
		5260	RU26	/	11.92	<=23.98	Pass
			RU52	/	13.64	<=23.98	Pass
			RU106	/	14.00	<=23.98	Pass
			SU	/	17.58	<=23.98	Pass
		5300	RU26	/	12.41	<=23.98	Pass
			RU52	/	11.61	<=23.98	Pass
			RU106	/	14.58	<=23.98	Pass
			SU	/	17.44	<=23.98	Pass
		5320	RU26	/	11.47	<=23.98	Pass
			RU52	/	12.98	<=23.98	Pass
			RU106	/	13.33	<=23.98	Pass
			SU	/	17.19	<=23.98	Pass
		5500	RU26	/	12.07	<=23.98	Pass
			RU52	/	11.70	<=23.98	Pass
			RU106	/	12.08	<=23.98	Pass
			SU	/	17.71	<=23.98	Pass
		5580	RU26	/	13.28	<=23.98	Pass
			RU52	/	12.64	<=23.98	Pass
			RU106	/	12.30	<=23.98	Pass
			SU	/	17.84	<=23.98	Pass
		5700	RU26	/	12.42	<=23.98	Pass
			RU52	/	12.62	<=23.98	Pass
			RU106	/	12.90	<=23.98	Pass
			SU	/	16.98	<=23.98	Pass
		5720	RU26	/	12.13	<=23.98	Pass
			RU52	/	12.41	<=23.98	Pass
			RU106	/	12.81	<=23.98	Pass
			SU	/	17.70	<=23.98	Pass
		5745	RU26	/	12.90	<=30	Pass
			RU52	/	12.88	<=30	Pass
			RU106	/	13.20	<=30	Pass
			SU	/	18.35	<=30	Pass
		5785	RU26	/	13.78	<=30	Pass
			RU52	/	13.26	<=30	Pass
			RU106	/	13.22	<=30	Pass

			SU	/	18.37	<=30	Pass
		5825	RU26	/	12.59	<=30	Pass
			RU52	/	11.89	<=30	Pass
			RU106	/	12.91	<=30	Pass
			SU	/	18.19	<=30	Pass
Note1: Antenna Gain: 2.4 dBi							

- End of the Report -