



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

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Rev.: 01
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TEST REPORT

Application No.: SUCR2505000487AT
Applicant: Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant: Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Manufacturer: Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer: Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
EUT Description: Smart POS System
Model No.: T670B
Trade Mark: SUNMI
FCC ID: 2AH25T670B
Standards: FCC 47 CFR Part 2, Subpart J
FCC 47 CFR Part 15, Subpart E
Date of Receipt: May 28, 2025
Date of Test: July 1, 2025 to July 4, 2025
Date of Issue: July 8, 2025

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

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

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Version

Revision Record			
Version	Description	Date	Remark
01	Original	July 8, 2025	/

Authorized for issue by:				
Tested By				
		Hayley Zhang / Project Manager		
Approved By				
		Cloud Peng/Technical Manager		



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1 Test Summary

Test Item	Band ^[1]	FCC rules No.	Test Requirements	Test Result	Result
Antenna Requirement	--	15.203/15.407(a)	--	Clause 3.1	PASS
26dB Emission Bandwidth	Band I	15.407(a)(1)	No limit.	Clause 3.5	Reference report SZCR240600210304
	Band II-A	15.407(a)(2)			
	Band II-C	15.407(a)(2)			
6dB Emission Bandwidth	Band III	15.407(e)	≥ 500 kHz.	Clause 3.6	
99% Occupied Bandwidth	Band I	KDB 789033 D02§ D	No limit.	Clause 3.7	
	Band II-A				
	Band II-C				
	Band III				
Duty Cycle	Band I Band II-A Band II-C Band III	--	No limit.	Clause 3.3	
Maximum Conducted Output Power	Band I	15.407(a)(iv)	< 250mW	Clause 3.4	PASS
	Band II-A	15.407(a)(2)	<MIN{250mW,11dBm+10*lg(EBW)}		
	Band II-C				
	Band III	15.407(a)(3)	< 1W		
Maximum Power Spectral Density	Band I	15.407(a)(iv)	<11dBm/MHz	Clause 3.8	Reference report SZCR240600210304
	Band II-A	15.407(a)(2)	<11dBm/MHz		
	Band II-C				
	Band III	15.407(a)(3)	<30dBm/500KHz		
Radiated Spurious Emissions	Band I	15.407(b) 15.205/15.209	F<1GHz: §15.209 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz). F≥1GHz & in-restricted: §15.209 limit (AV&PK).	Clause 3.9	PASS
	Band II-A	15.407(b) 15.205/15.209	F<1GHz: §15.209 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz). F≥1GHz & in-restricted: §15.209 limit (AV&PK).		
	Band II-C	15.407(b) 15.205/15.209	F<1GHz: §15.209 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl.		



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Test Item	Band ^[1]	FCC rules No.	Test Requirements	Test Result	Result
			5.47-5.725 GHz). F≥1GHz & in-restricted: §15.209 limit (AV&PK).		
	Band III	15.407(b) 15.205/15.209	F<1GHz: §15.209 limit (QP) F≥1GHz & out-restricted:(PK) 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. F≥1GHz & in-restricted: §15.209 limit (AV&PK).		
Restricted bands around fundamental frequency	Band I Band II-A Band II-C Band III	15.407(b) 15.205/15.209	---	Clause 3.10	PASS
AC Power Line Conducted Emissions	Band I Band II-A Band II-C Band III	15.207	---	Clause 3.2	PASS
Dynamic Frequency Selection	Band II-A Band II-C	15.407	Channel Move Time:10 Seconds	Clause 3.11	Reference report SZCR240600210304
Frequency Stability	Band I Band II-A Band II-C Band III	15.407(g)	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual	N/A	N/A
Note 1: Band I: 5150-5250MHz Band II-A: 5250-5350MHz Band II-C: 5470-5725MHz Band III: 5725-5850MHz					



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Remark:

This test report (Report No.: SUCR250500048704) is based on the original test report (Report No.: SZCR240600210304).

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 checked the Maximum Conducted Output Power, ac power line conducted emission, radiated spurious emissions and Restricted bands around fundamental frequency and other test data in this report are based on the previous report with report number SZCR240600210304.



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2 General Information

2.1 Details of Client

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

2.2 Test Location

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

2.3 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

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

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

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

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

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

Designation Number: CN1312.

Test Firm Registration Number: 717327



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2.4 General Description of EUT

Hardware Version:	V1.1	
Software Version:	4.1.0	
Power Supply:	3.87V from battery	
WLAN Mode Supported:	802.11a:	20 MHz channel bandwidth
	802.11n:	20 MHz / 40 MHz channel bandwidth
	802.11ac:	20 MHz / 40 MHz / 80 MHz channel bandwidth
Operation Frequency:	5150MHz to 5250MHz 5250MHz to 5350MHz 5470MHz to 5725MHz 5725MHz to 5850MHz	
Modulation Type:	802.11a:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11n:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11ac:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	20MHz:	802.11a/n(HT20)/ac(VHT20)
	40MHz:	802.11n(HT40)/ac(VHT40)
	80MHz:	802.11ac(VHT80)
Antenna Type:	Internal Antenna	
Antenna Gain:	5150MHz to 5250MHz: 1.80dBi 5250MHz to 5350MHz: 1.80dBi 5470MHz to 5725MHz: 1.80dBi 5725MHz to 5850MHz: 1.80dBi	
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.	
Smart System:	☒ SISO	802.11a/n/ac
TPC Function:	☒ Support, ☐ Not Support	
RF Cable:	2dB	
Remark: 1. As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information. 2. The three SKUs only differ in the connection port between the backplane and the base, which does not affect RF performance. We used SKU3 for testing.		



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In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

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

For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n/ac 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac 80MHz	The Middle channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5260
	The Middle channel	5280
	The Highest channel	5320
IEEE 802.11n/ac 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac 80MHz	The Middle channel	5290



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For UNII Band II-C:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5500
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n/ac 40MHz	The Lowest channel	5510
	The Middle channel	5550
	The Highest channel	5670
IEEE 802.11ac 80MHz	The Middle channel	5530

For UNII Band III:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac 80MHz	The Middle channel	5775



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2.5 Test Environment and Mode

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

2.6 Description of Support Units

The EUT has been tested as an independent unit.

2.7 Worst-case configuration and mode

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

Modulation Type	SISO - Data Rate	CDD/MIMO - Data Rate
802.11a	6 Mbps	/
802.11n (HT 20)	MCS0 (6.5 Mbps)	/
802.11n (HT 40)	MCS0 (13.5 Mbps)	/
802.11ac (VHT 20)	MCS0 (6.5 Mbps)	/
802.11ac (VHT 40)	MCS0 (13.5 Mbps)	/
802.11ac (VHT 80)	MCS0 (29.3 Mbps)	/



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3 Equipment List

RF Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	SUWI-04-08-01	11/9/2022	11/8/2025
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2/13/2025	2/12/2026
Measurement Software	Tonscend	TST272 V2.0	SUWI-03-55-03	NCR	NCR
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
Temperature Chamber	ESPEC	SU-242	SUWI-01-13-02	5/7/2025	5/6/2026
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	1/21/2025	1/20/2026
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
Power meter	Anritsu	ML2495A	SUWI-01-31-01	11/19/2024	11/18/2025
Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	11/19/2024	11/18/2025
MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	1/15/2025	1/14/2026
Router	ASUS	GT-AXE11000(FCC ID MSQ-RTAXJF00)	SUWI-03-14-02	NCR	NCR
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	11/19/2024	11/18/2025

CE Test System					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2025/01/15	2026/01/14
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2025/02/13	2026/02/12
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2025/05/08	2026/05/07
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2025/05/08	2026/05/07
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR



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RSE Test Equipment					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2023/06/03	2026/06/02
Temperature and humidity meter*	MingGao	TH101B	SUWI-01-01-05	2025/02/13	2026/02/12
Signal Analyzer	ROHDE &SCHWARZ	FSW43	SUWI-01-02-04	2025/01/20	2026/01/19
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	2024/11/21	2025/11/20
Test receiver	ROHDE &SCHWARZ	ESR7	SUWI-01-10-01	2025/01/15	2026/01/14
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2023/11/25	2025/11/24
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2025/05/07	2027/05/06
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2025/05/07	2027/05/06
Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2025/05/07	2027/05/06
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2025/01/16	2026/01/15
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2025/01/16	2026/01/15
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2025/01/20	2026/01/19
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR

Remark: NCR=No Calibration Requirement.



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

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.54dB
2	RF power density, conducted	±1.03dB
3	Spurious emissions, conducted	±0.54dB
4	Radio Frequency	1%
5	Duty Cycle	±0.37%
6	Occupied Bandwidth	1%
7	Conduction Emission	± 2.90dB (150kHz to 30MHz)
8	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.8dB (30M -1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)
Remark: The U _{lab} (lab Uncertainty) is less than U _{CISPR/ETSI} (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		



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5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15 Section 15.203
The antenna is Internal Antenna and no consideration of replacement. The best case gain of the antenna is 5150MHz to 5250MHz: 1.80dBi; 5250MHz to 5350MHz: 1.80dBi; 5470MHz to 5725MHz: 1.80dBi; 5725MHz to 5850MHz: 1.80dBi; <i>Note:</i> <i>The antenna gain are derived from the gain information report provided by the manufacturer.</i> <i>Remark:</i> <i>As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.</i>	



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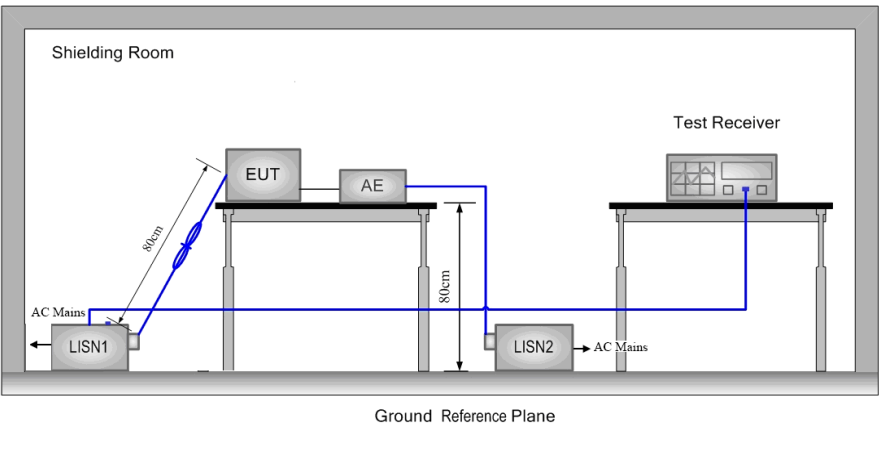
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5.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15 Section 15.207		
Test Method:	ANSI C63.10: 2013 Section 6.2		
Test Frequency Range:	150kHz to 30MHz		
Receiver Setup:	RBW = 9kHz, VBW = 30kHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.		

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



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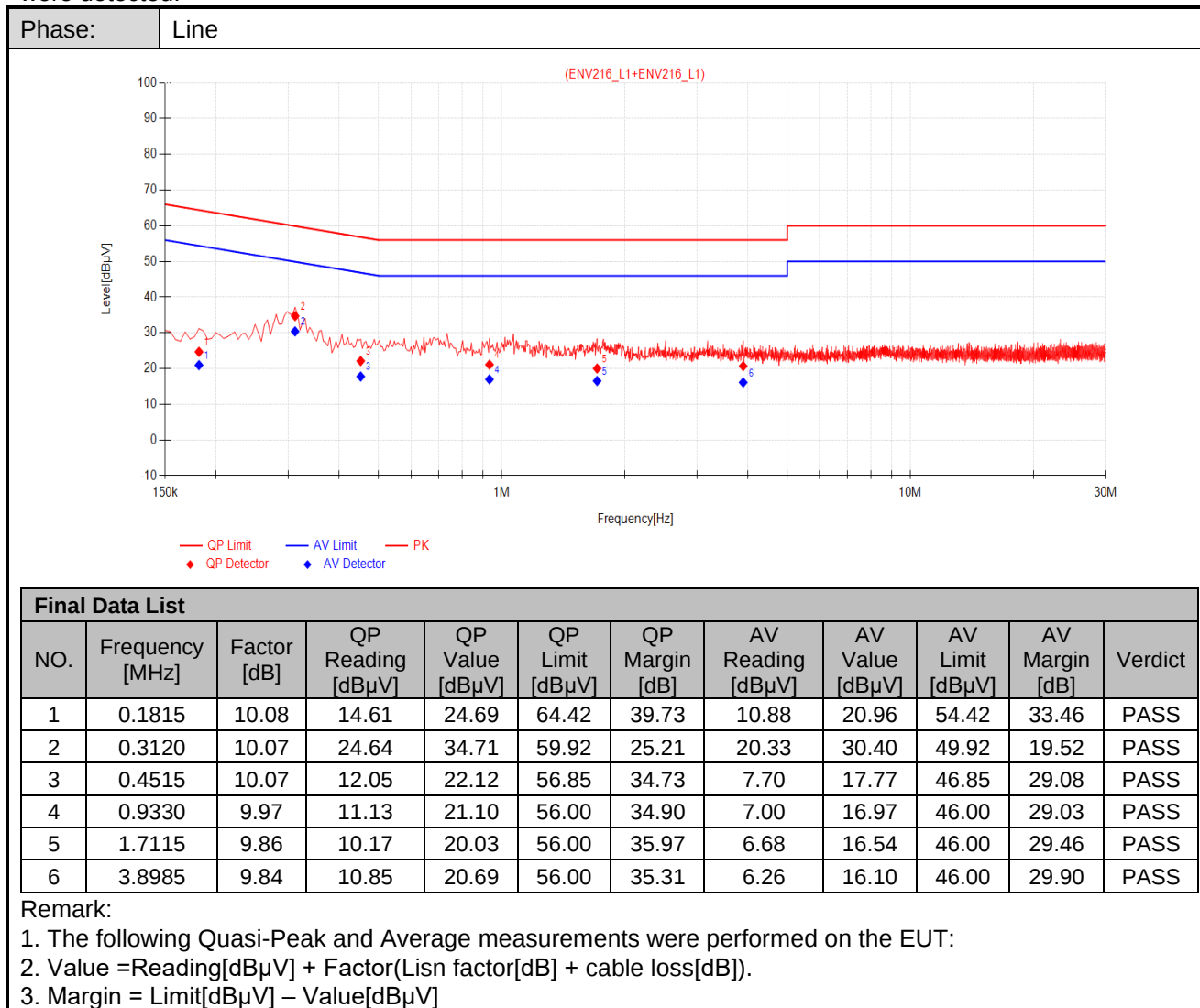
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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.



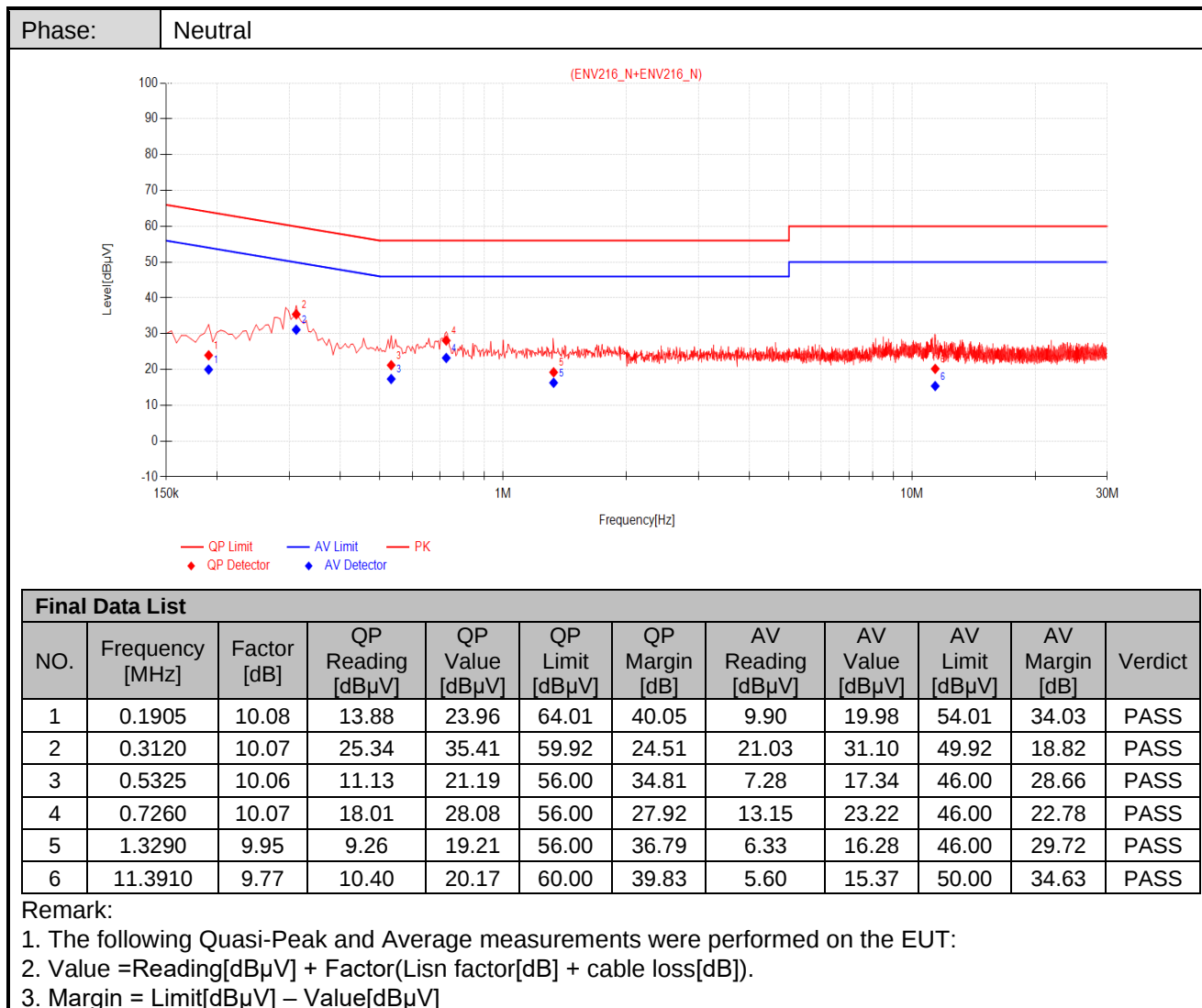


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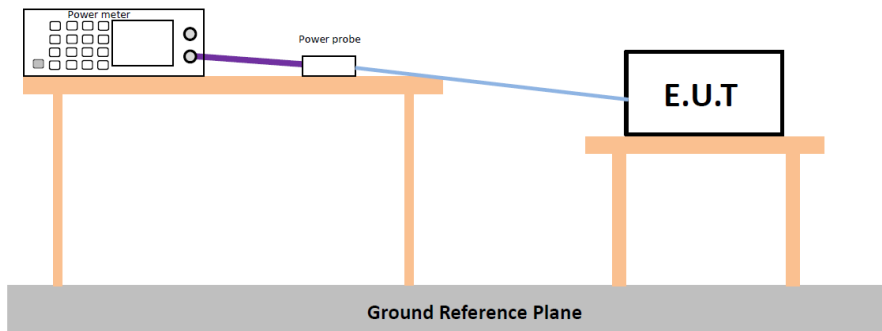
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5.3 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10 :2013 Section 12.3.3.2	
Test Setup:	 * Test with power meter (Detector function: Average) Method PM-G is measurement using a gated RF average power meter. Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.	
Test Instruments:	Refer to section 3 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The lesser of 250mW(23.98dBm) or 11+ 10logB
	5250-5350MHz	The lesser of 250mW(23.98dBm) or 11+ 10logB
	5470-5725MHz	The lesser of 250mW(23.98dBm) or 11+ 10logB
	5725-5850MHz	Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz	
Test Results:	Pass	
The detailed test data see: Appendix		

5.4 Radiated Spurious Emissions

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

Test Setup:

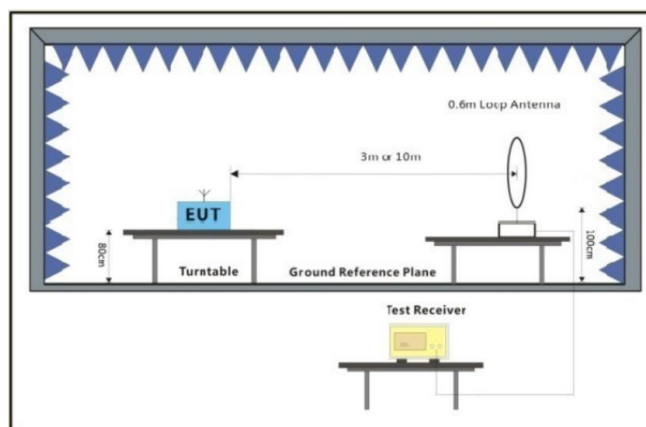


Figure 1. 9kHz to 30MHz

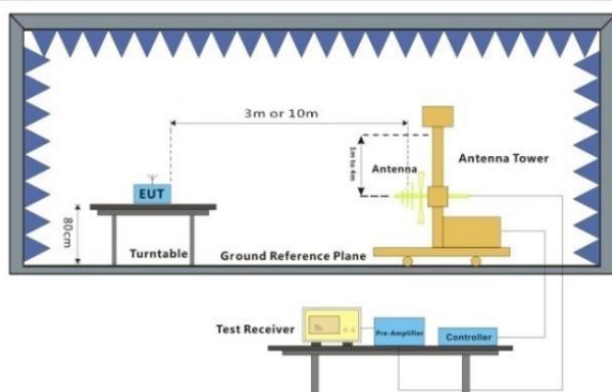


Figure 1. 30MHz to 1GHz

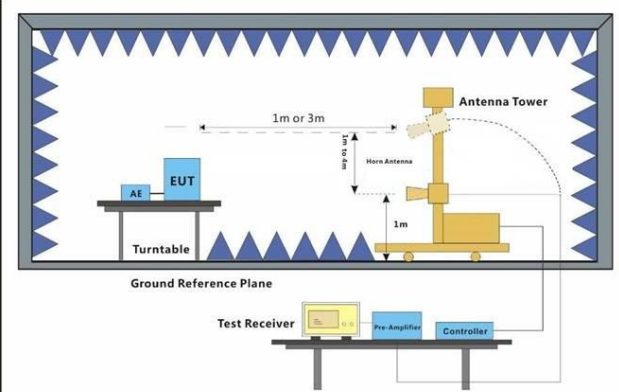


Figure 2. Above 1 GHz

Test Procedure:

- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. (Distance from antenna to EUT is 1m for measurements >18GHz).
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the



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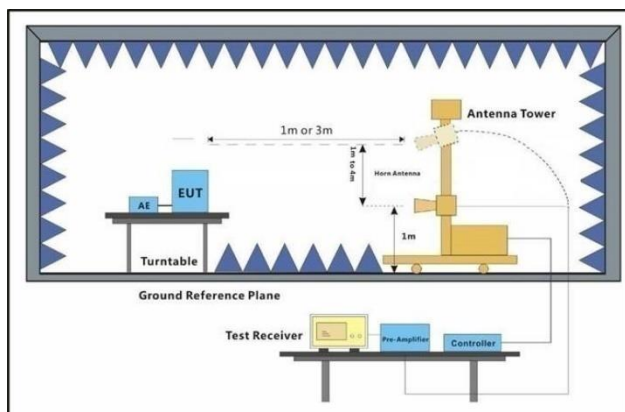
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	rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete. j. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported k. The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. l. At a measurement distance of 1 meter the limit line was increased by $20 \times \text{LOG}(3/1) = 9.54 \text{ dB}$.
Test Configuration:	Measurements below 30MHz • RBW = 10 kHz • VBW = 30 kHz • Detector = Peak & Average & Quasi-peak • Trace mode = max hold Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • Detector = Quasi-peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq 3 \text{ MHz}$ • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • RBW = 1 MHz • VBW = 10Hz, when duty cycle is no less than 98 percent. • VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 3.7 for details. For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report.
Instruments Used:	Refer to section 3 for details.
Test Results:	Pass
The detailed test data see: Appendix	

5.5 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013 Section 12.7		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test Setup:



Test Procedure:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel.
- Test the EUT in the outermost channels.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.



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Test Configuration:	Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • Detector = Quasi-peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq$ 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • RBW = 1 MHz • VBW = 10Hz, when duty cycle is no less than 98 percent. • VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 3.7 for details.
Instruments Used:	Refer to section 3 for details.
Test Results:	Pass
The detailed test data see: Appendix	



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6 Photographs - Setup Photos

Refer to Appendix A.2 BT&WLAN&NFC Setup Photos.



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7 Appendix

1. Maximum Conducted Output Power

1.1 Test Result

1.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	17.25	≤ 23.98	Pass
		5200	17.37	≤ 23.98	Pass
		5240	17.46	≤ 23.98	Pass
		5260	20.32	≤ 23.98	Pass
		5300	20.47	≤ 23.98	Pass
		5320	20.38	≤ 23.98	Pass
		5500	19.22	≤ 23.98	Pass
		5580	20.40	≤ 23.98	Pass
		5700	19.56	≤ 23.98	Pass
		5745	20.27	≤ 30	Pass
		5785	19.46	≤ 30	Pass
802.11n (HT20)	SISO	5825	19.31	≤ 30	Pass
		5180	17.10	≤ 23.98	Pass
		5200	17.15	≤ 23.98	Pass
		5240	17.80	≤ 23.98	Pass
		5260	20.19	≤ 23.98	Pass
		5300	20.35	≤ 23.98	Pass
		5320	20.22	≤ 23.98	Pass
		5500	19.04	≤ 23.98	Pass
		5580	20.12	≤ 23.98	Pass
		5700	19.33	≤ 23.98	Pass
		5745	20.09	≤ 30	Pass
802.11n (HT40)	SISO	5785	19.29	≤ 30	Pass
		5825	19.18	≤ 30	Pass
		5190	17.18	≤ 23.98	Pass
		5230	17.67	≤ 23.98	Pass
		5270	15.97	≤ 23.98	Pass
		5310	16.42	≤ 23.98	Pass
		5510	18.66	≤ 23.98	Pass
		5550	18.89	≤ 23.98	Pass
802.11ac (VHT20)	SISO	5670	18.50	≤ 23.98	Pass
		5755	18.92	≤ 30	Pass
		5795	17.98	≤ 30	Pass
		5180	17.25	≤ 23.98	Pass
		5200	17.38	≤ 23.98	Pass
		5240	17.39	≤ 23.98	Pass
		5260	19.26	≤ 23.98	Pass
		5300	19.38	≤ 23.98	Pass
		5320	19.51	≤ 23.98	Pass
		5500	18.43	≤ 23.98	Pass
		5580	19.59	≤ 23.98	Pass
802.11ac	SISO	5700	18.69	≤ 23.98	Pass
		5745	19.18	≤ 30	Pass
		5785	18.67	≤ 30	Pass
		5825	18.47	≤ 30	Pass
		5190	17.34	≤ 23.98	Pass



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(VHT40)		5230	17.71	≤ 23.98	Pass
		5270	16.11	≤ 23.98	Pass
		5310	16.37	≤ 23.98	Pass
		5510	18.71	≤ 23.98	Pass
		5550	18.98	≤ 23.98	Pass
		5670	18.64	≤ 23.98	Pass
		5755	19.08	≤ 30	Pass
		5795	18.12	≤ 30	Pass
802.11ac (VHT80)	SISO	5210	16.00	≤ 23.98	Pass
		5290	17.31	≤ 23.98	Pass
		5530	18.10	≤ 23.98	Pass
		5610	18.75	≤ 23.98	Pass
		5775	18.97	≤ 30	Pass



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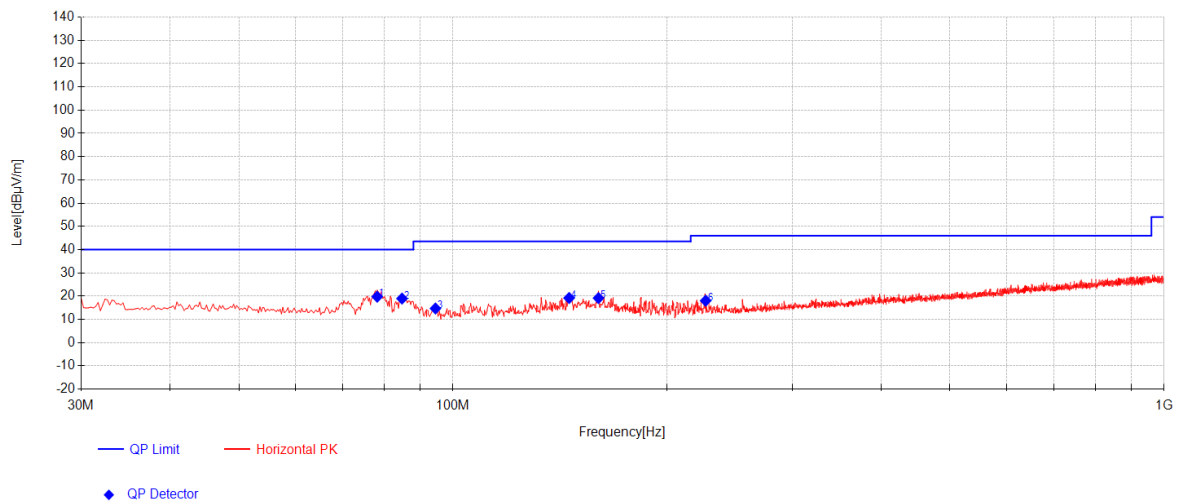
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11ac40_Channel 102



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	78.2575	38.42	15.27	-33.94	19.75	40.00	20.25	196	195	Horizontal
2	84.805	38.05	14.78	-33.88	18.95	40.00	21.05	234	195	Horizontal
3	94.505	34.20	14.30	-33.82	14.68	43.50	28.82	187	9	Horizontal
4	145.6725	33.85	18.90	-33.55	19.20	43.50	24.30	264	279	Horizontal
5	160.2225	33.75	18.87	-33.45	19.16	43.50	24.34	185	287	Horizontal
6	226.6675	34.71	16.30	-32.97	18.04	46.00	27.96	219	68	Horizontal

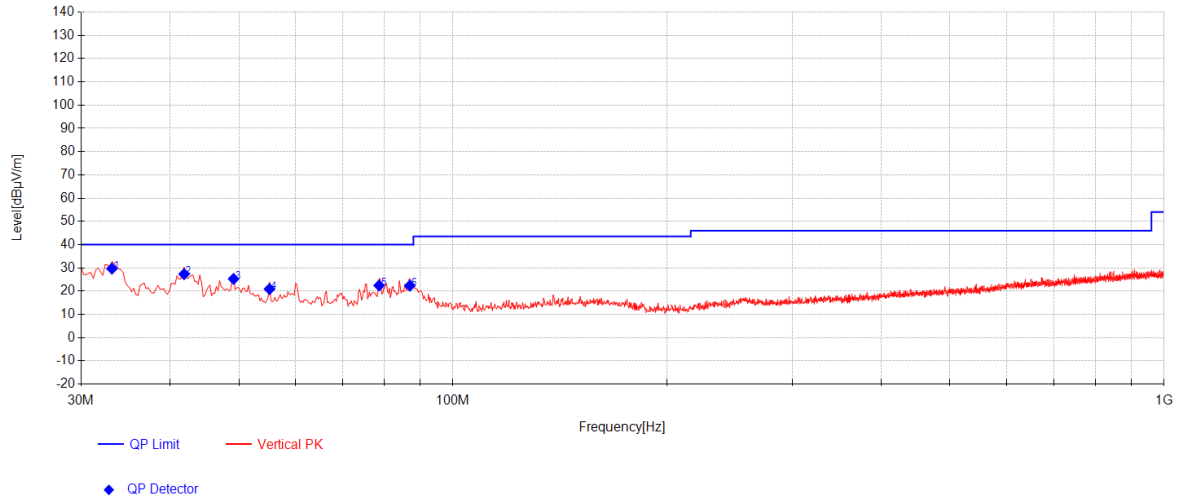


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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.1525	45.75	18.12	-34.18	29.69	40.00	10.31	233	328	Vertical
2	41.8825	42.79	18.71	-34.18	27.32	40.00	12.68	185	157	Vertical
3	49.1575	40.67	18.77	-34.18	25.26	40.00	14.74	241	173	Vertical
4	55.22	36.84	18.20	-34.14	20.90	40.00	19.10	264	275	Vertical
5	78.7425	41.13	15.23	-33.94	22.42	40.00	17.58	192	228	Vertical
6	86.9875	41.62	14.60	-33.87	22.35	40.00	17.65	155	19	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Value = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Value(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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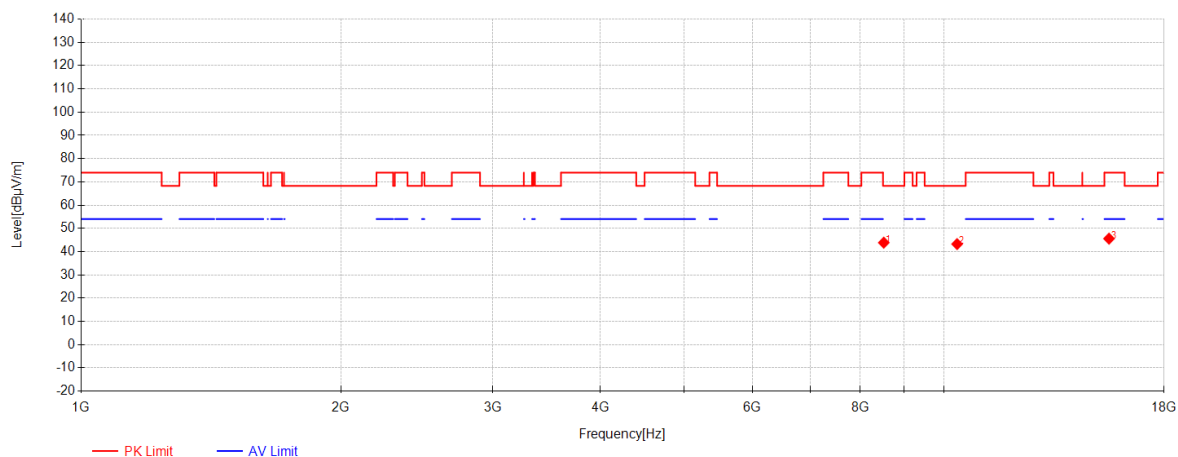
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Transmitter emission Above 1GHz

802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8518.6333	42.18	37.36	-35.69	43.85	68.30	24.45	Horizontal
2	10360	36.64	38.08	-31.48	43.24	68.30	25.06	Horizontal
3	15540	34.10	39.07	-27.58	45.59	74.00	28.41	Horizontal



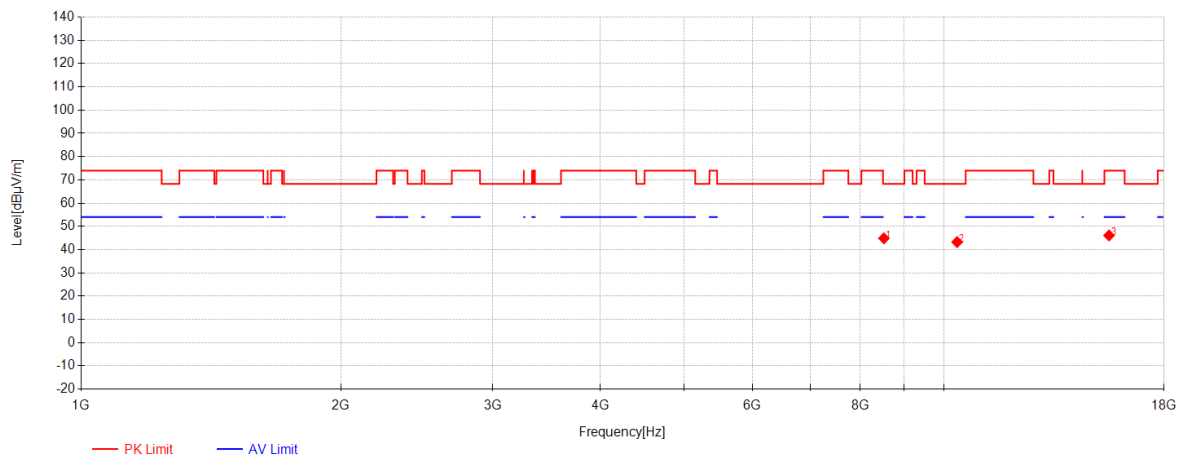
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802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8521.3167	43.19	37.36	-35.68	44.87	68.30	23.43	Vertical
2	10360	36.64	38.08	-31.48	43.24	68.30	25.06	Vertical
3	15540	34.62	39.07	-27.58	46.11	74.00	27.89	Vertical



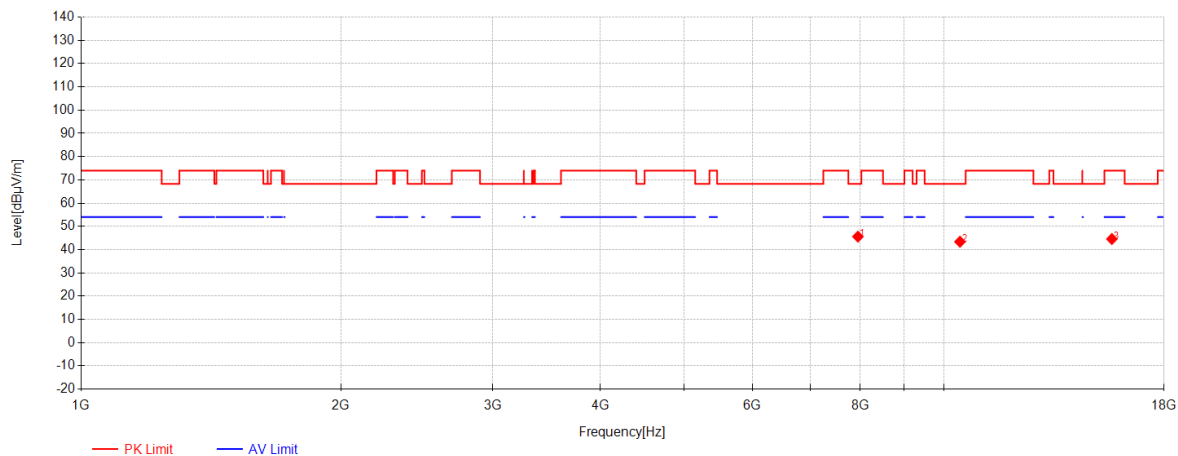
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802.11a_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7950.9167	45.41	37.05	-36.87	45.59	68.30	22.71	Horizontal
2	10440	36.39	38.12	-31.11	43.40	68.30	24.90	Horizontal
3	15660	33.48	38.85	-27.75	44.58	74.00	29.42	Horizontal



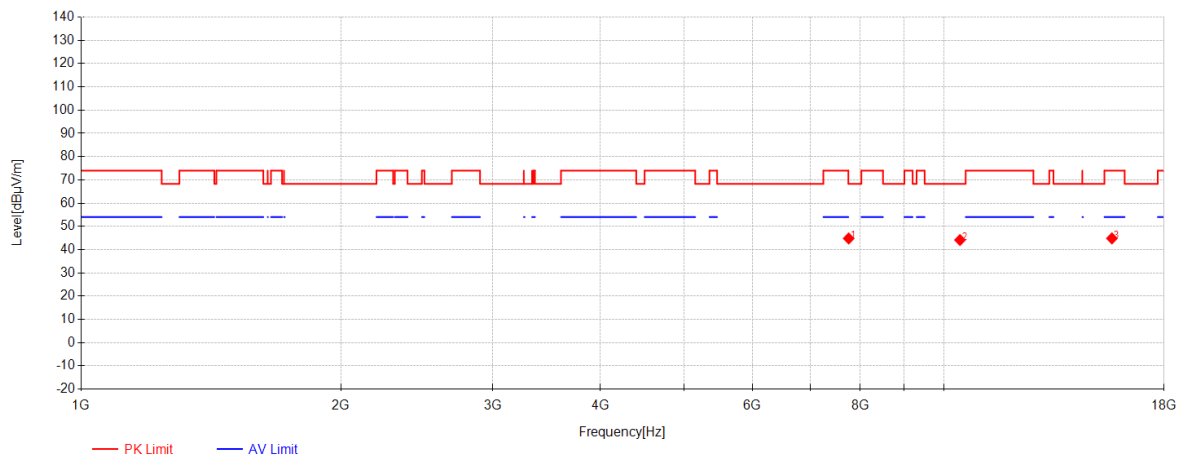
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802.11a_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7757.7167	44.88	36.86	-36.93	44.80	68.30	23.50	Vertical
2	10440	37.14	38.12	-31.11	44.15	68.30	24.15	Vertical
3	15660	33.73	38.85	-27.75	44.83	74.00	29.17	Vertical



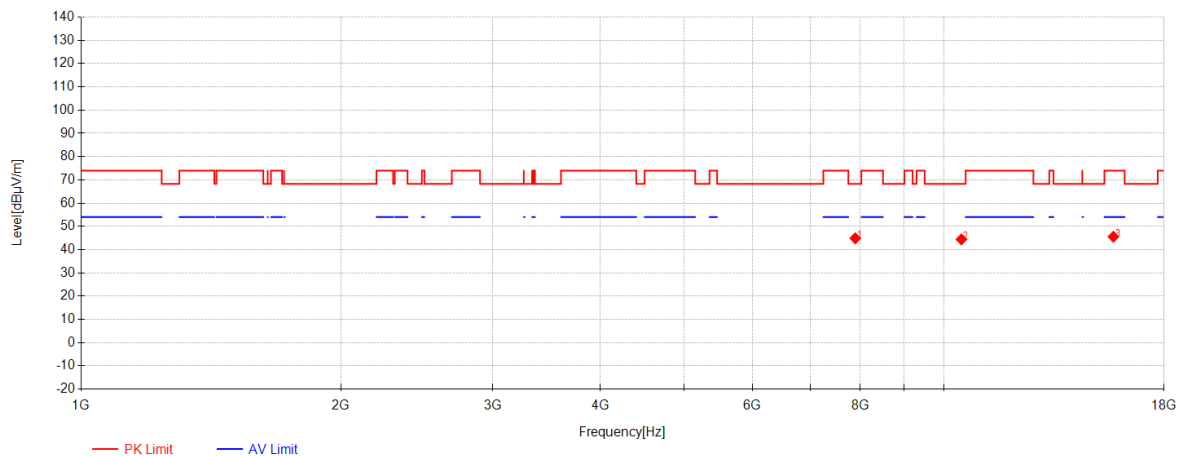
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802.11a_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7894.5667	44.82	36.99	-36.93	44.88	68.30	23.42	Horizontal
2	10480	37.32	38.14	-31.06	44.40	68.30	23.90	Horizontal
3	15720	34.58	38.73	-27.77	45.54	74.00	28.46	Horizontal



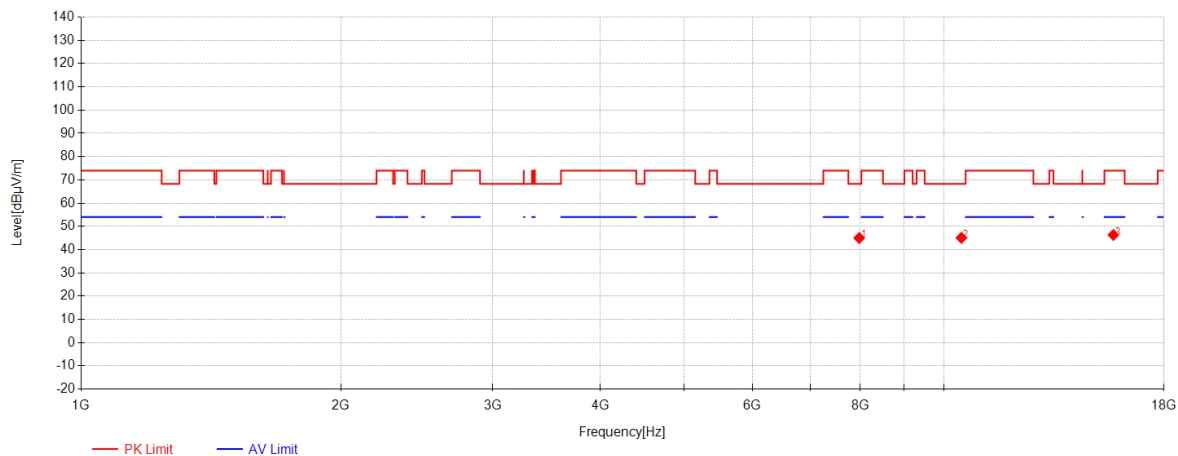
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802.11a_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7978.5167	44.76	37.08	-36.84	45.00	68.30	23.30	Vertical
2	10480	37.98	38.14	-31.06	45.06	68.30	23.24	Vertical
3	15720	35.34	38.73	-27.77	46.30	74.00	27.70	Vertical



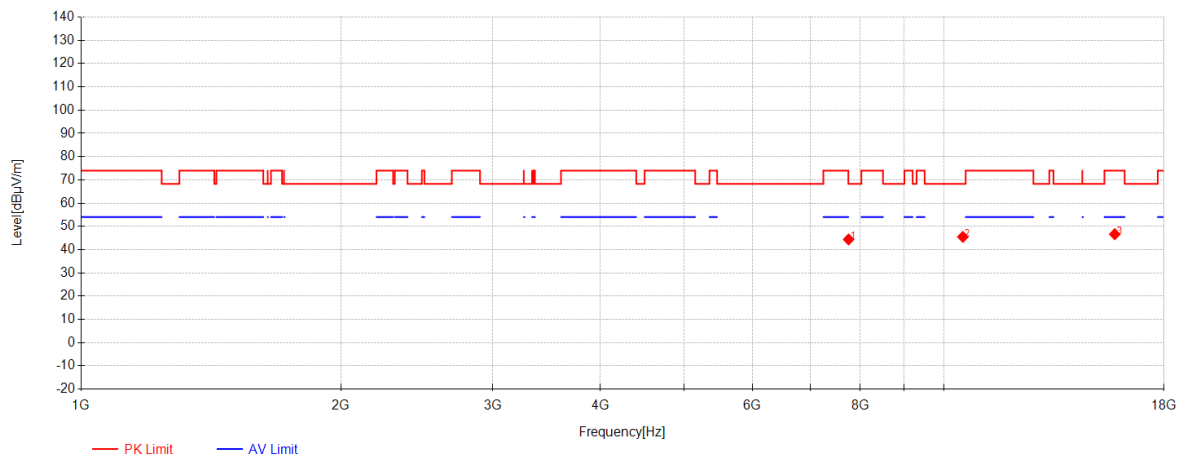
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7755.8	44.46	36.86	-36.94	44.38	68.30	23.92	Horizontal
2	10520	38.39	38.16	-31.06	45.49	68.30	22.81	Horizontal
3	15780	35.26	38.62	-27.23	46.65	74.00	27.35	Horizontal



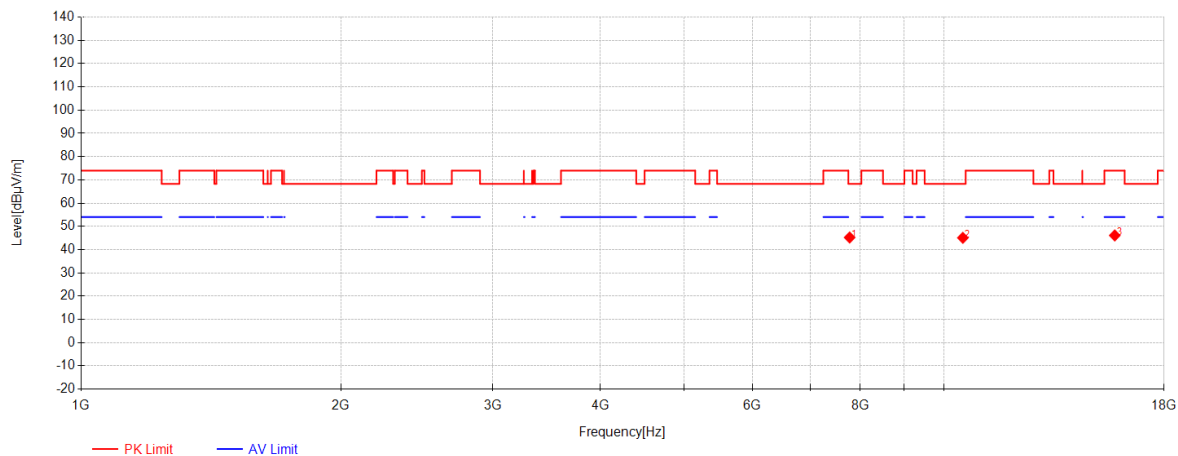
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802.11a_Channel 52



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7776.8833	45.21	36.88	-36.87	45.22	68.30	23.08	Vertical
2	10520	37.97	38.16	-31.06	45.07	68.30	23.23	Vertical
3	15780	34.71	38.62	-27.23	46.10	74.00	27.90	Vertical



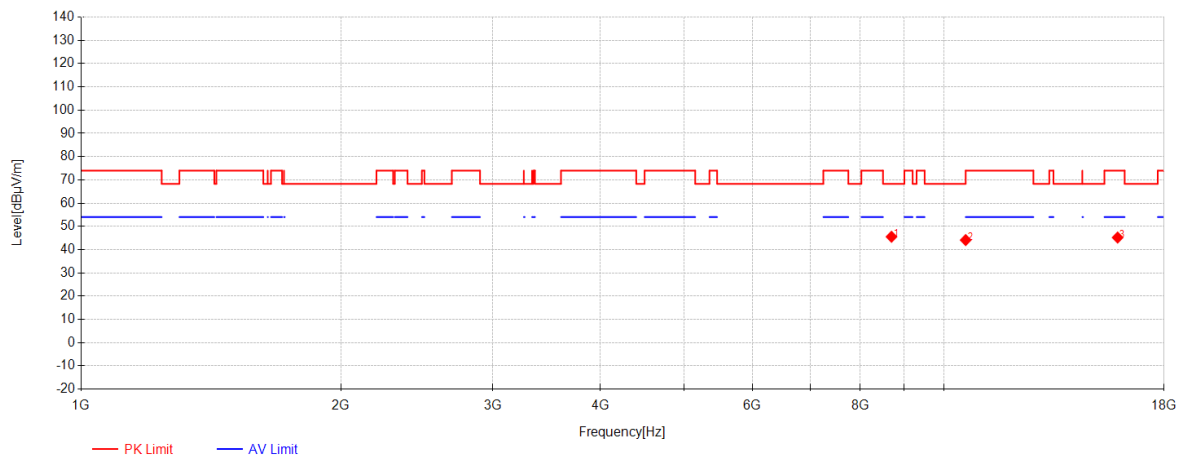
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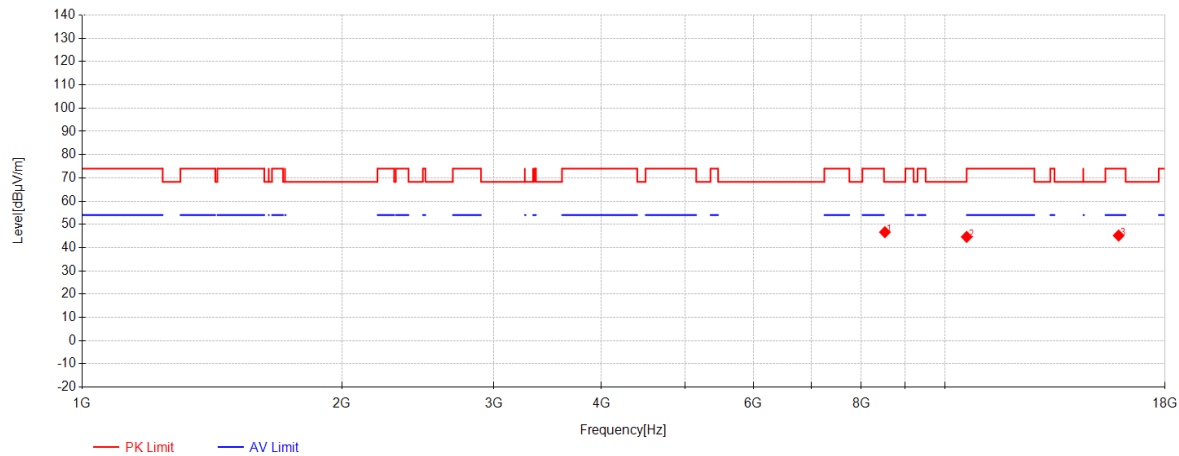
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1	8696.1167	43.29	37.45	-35.20	45.53	68.30	22.77	Horizontal
2	10600	37.12	38.20	-31.20	44.12	74.00	29.88	Horizontal
3	15900	34.28	38.39	-27.48	45.19	74.00	28.81	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8521.7	44.97	37.36	-35.68	46.65	68.30	21.65	Vertical
2	10600	37.61	38.20	-31.20	44.61	74.00	29.39	Vertical
3	15900	34.29	38.39	-27.48	45.20	74.00	28.80	Vertical



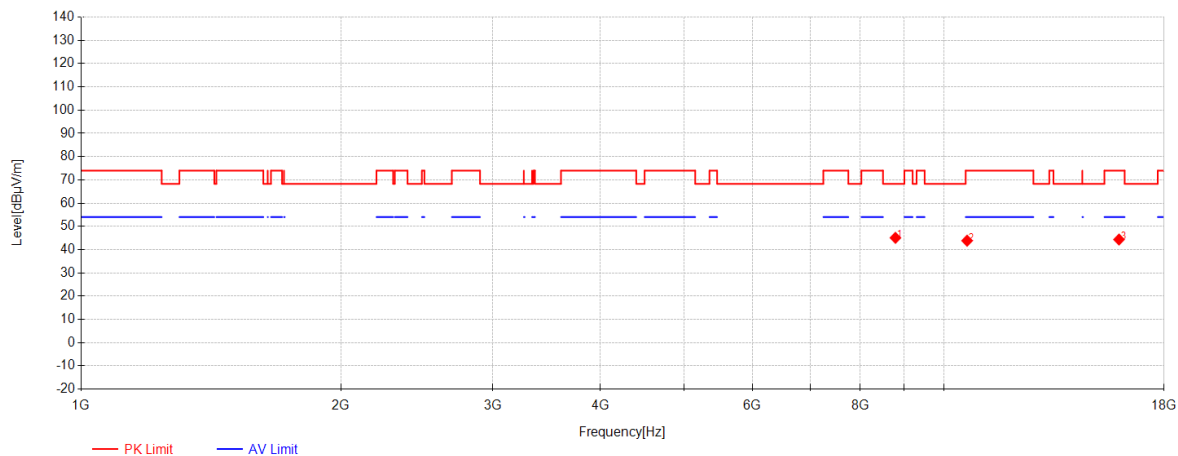
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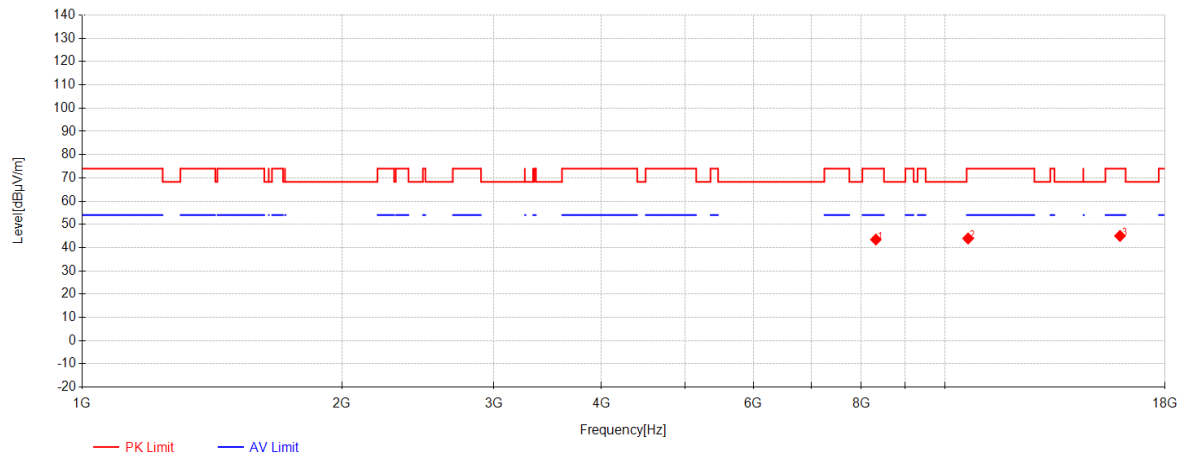
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1	8787.7333	42.44	37.49	-34.85	45.08	68.30	23.22	Horizontal
2	10640	36.46	38.22	-30.84	43.84	74.00	30.16	Horizontal
3	15960	33.53	38.28	-27.45	44.36	74.00	29.64	Horizontal



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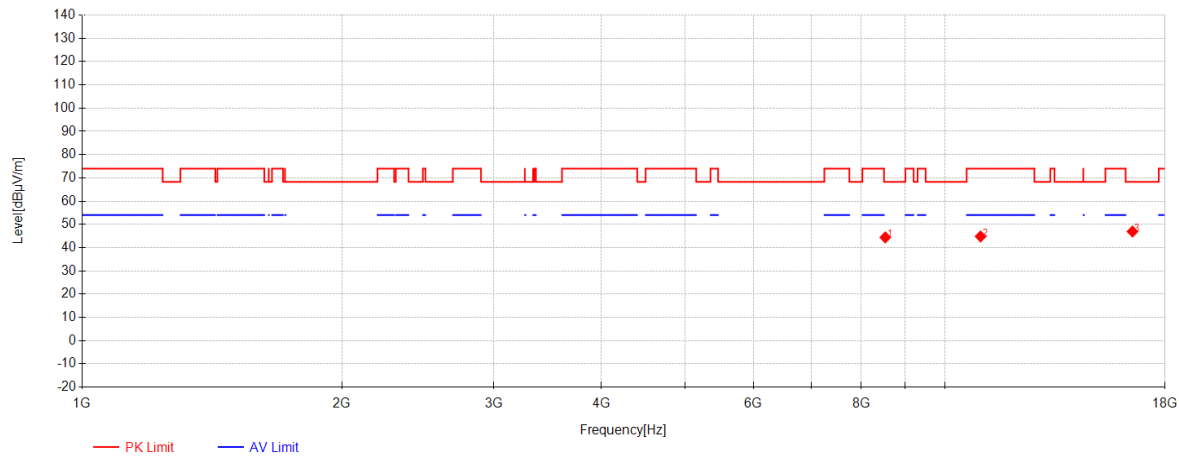
Data List								
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1	8319.3	42.16	37.26	-35.94	43.48	74.00	30.52	Vertical
2	10640	36.56	38.22	-30.84	43.94	74.00	30.06	Vertical
3	15960	34.21	38.28	-27.45	45.04	74.00	28.96	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8530.1333	42.67	37.37	-35.64	44.40	68.30	23.90	Horizontal
2	11000	36.91	38.40	-30.50	44.81	74.00	29.19	Horizontal
3	16500	34.98	38.55	-26.60	46.93	68.30	21.37	Horizontal



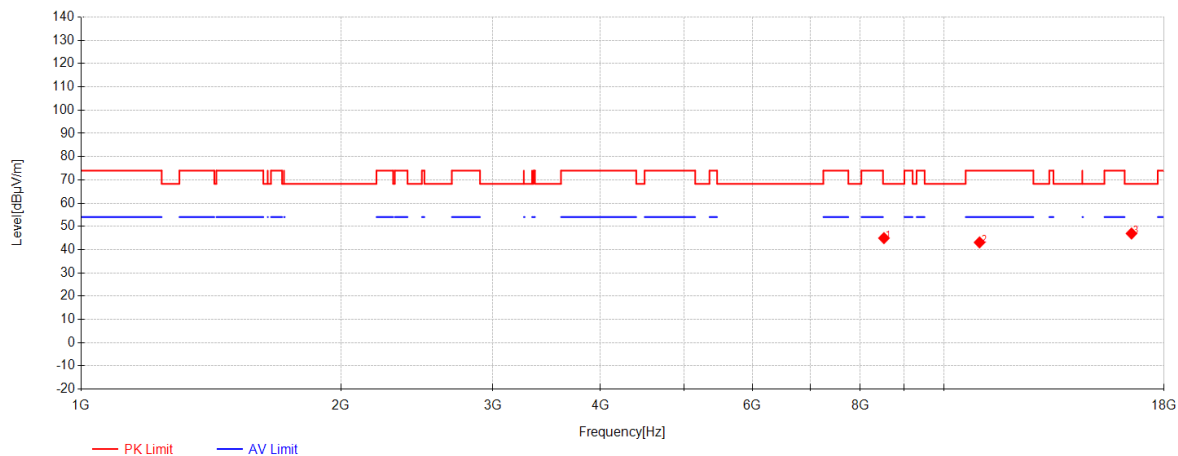
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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802.11a_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8522.85	43.26	37.36	-35.67	44.95	68.30	23.35	Vertical
2	11000	35.21	38.40	-30.50	43.11	74.00	30.89	Vertical
3	16500	34.99	38.55	-26.60	46.94	68.30	21.36	Vertical



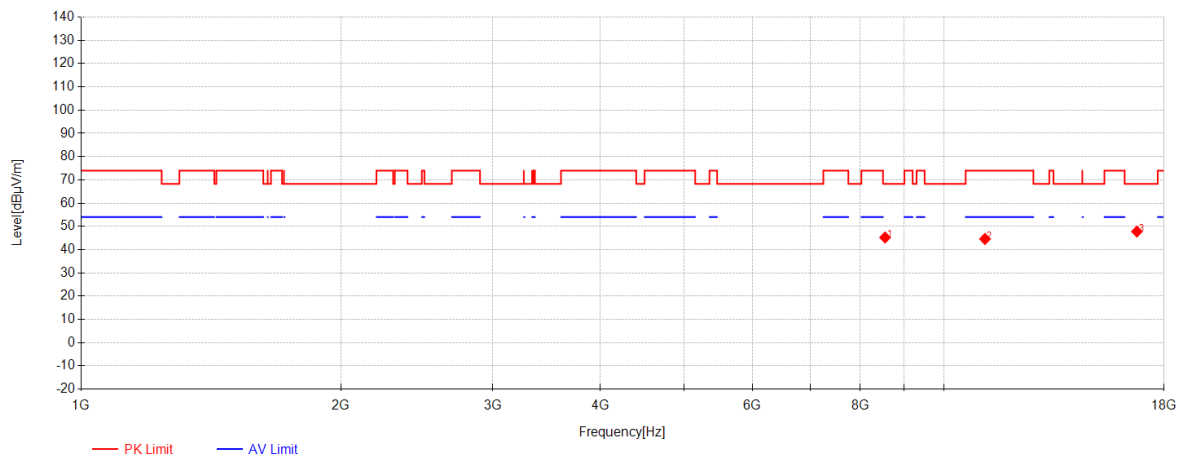
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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802.11a_Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8547.7667	43.39	37.37	-35.56	45.21	68.30	23.09	Horizontal
2	11160	36.29	38.40	-30.10	44.59	74.00	29.41	Horizontal
3	16740	35.59	38.72	-26.51	47.80	68.30	20.50	Horizontal



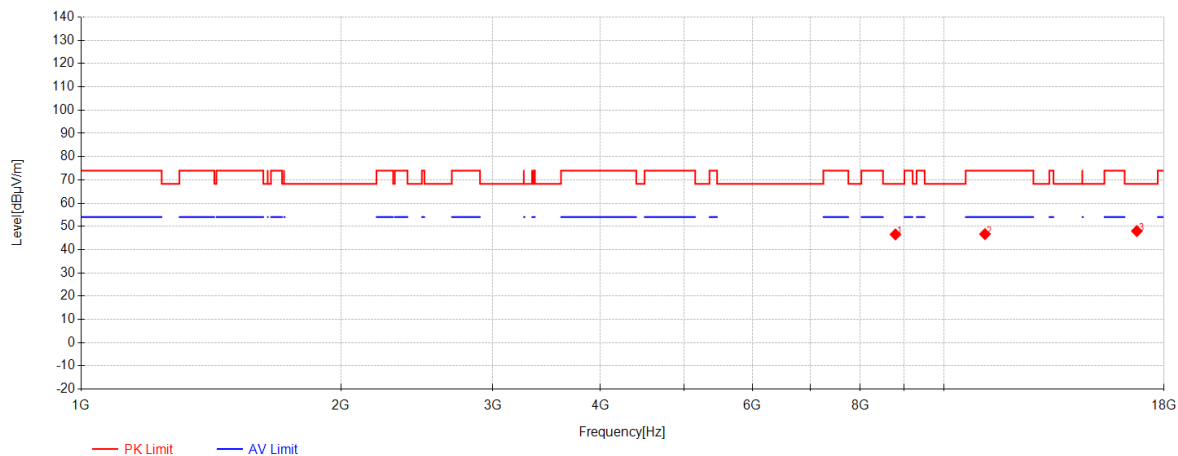
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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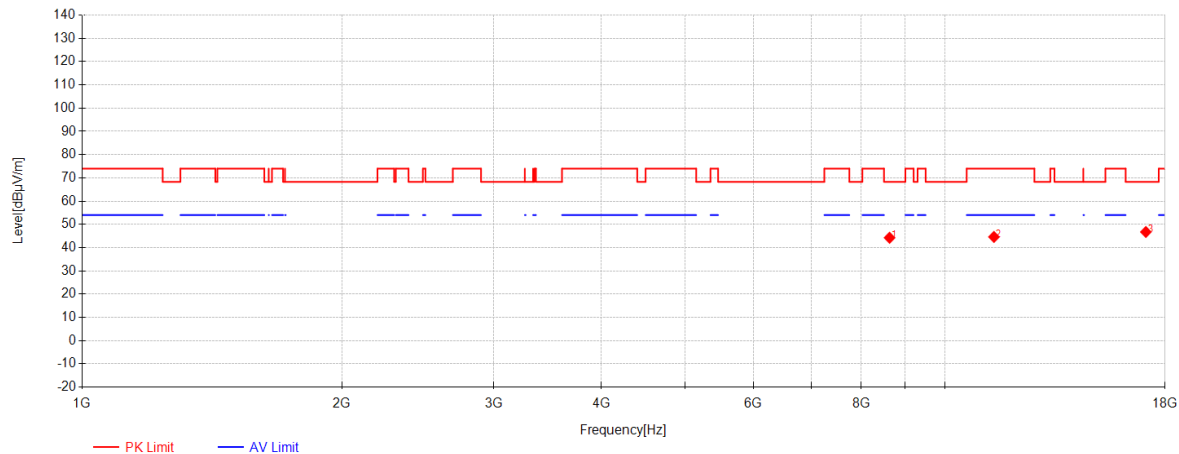
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1	8788.1167	43.89	37.49	-34.85	46.54	68.30	21.76	Vertical
2	11160	38.38	38.40	-30.10	46.68	74.00	27.32	Vertical
3	16740	35.79	38.72	-26.51	48.00	68.30	20.30	Vertical



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802.11a_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8628.65	42.10	37.41	-35.28	44.24	68.30	24.06	Horizontal
2	11400	36.07	38.40	-29.86	44.61	74.00	29.39	Horizontal
3	17100	33.58	39.14	-25.99	46.73	68.30	21.57	Horizontal



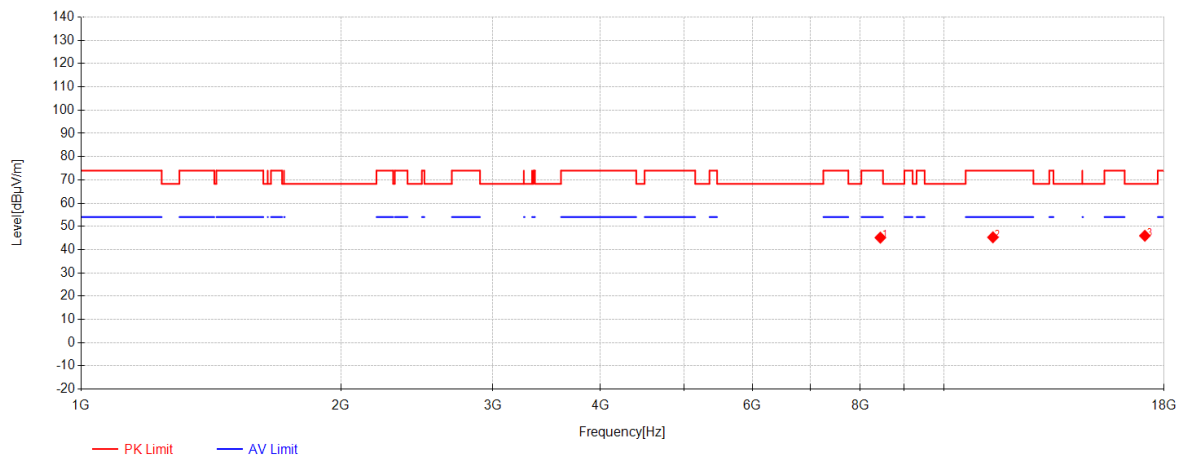
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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802.11a_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8440.8167	43.62	37.32	-35.79	45.15	74.00	28.85	Vertical
2	11400	36.77	38.40	-29.86	45.31	74.00	28.69	Vertical
3	17100	32.82	39.14	-25.99	45.97	68.30	22.33	Vertical



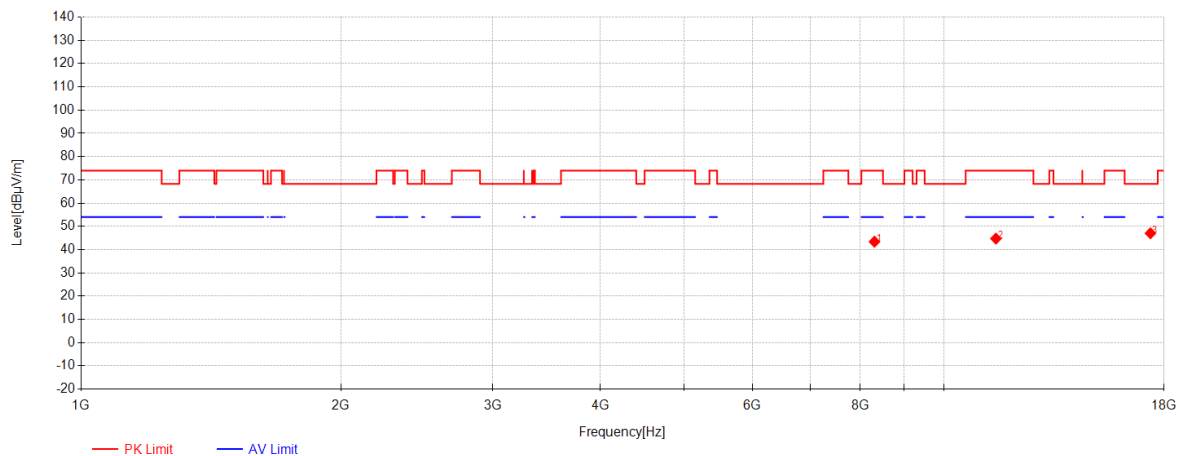
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8309.3333	42.12	37.25	-35.95	43.42	74.00	30.58	Horizontal
2	11490	36.32	38.40	-29.98	44.74	74.00	29.26	Horizontal
3	17355	32.69	39.75	-25.42	47.02	68.30	21.28	Horizontal



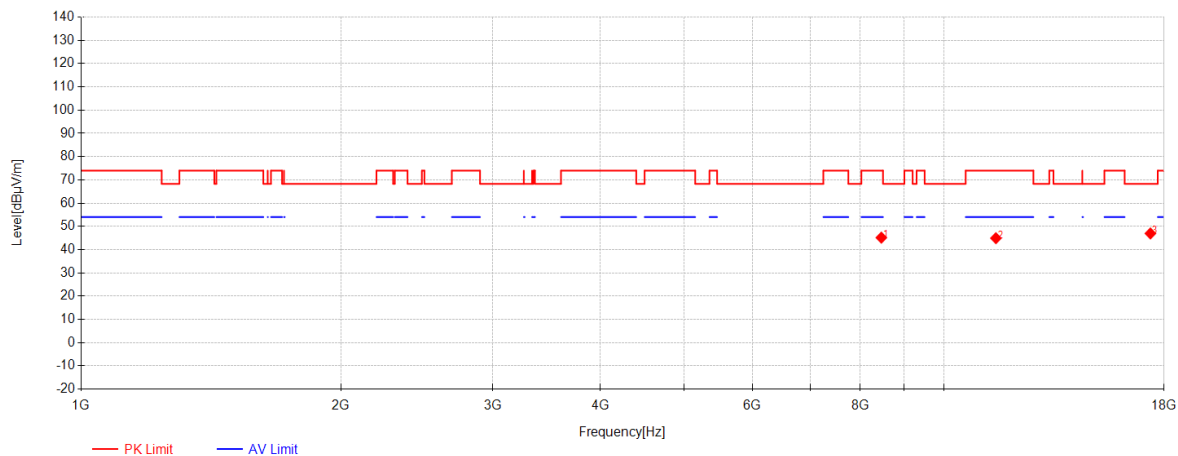
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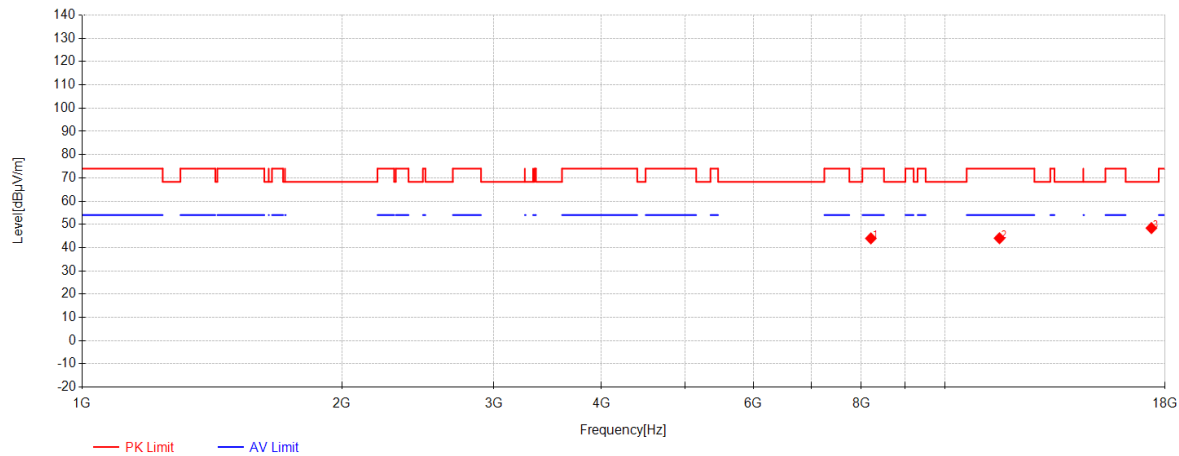
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8464.2	43.60	37.33	-35.78	45.15	74.00	28.85	Vertical
2	11490	36.50	38.40	-29.98	44.92	74.00	29.08	Vertical
3	17355	32.63	39.75	-25.42	46.96	68.30	21.34	Vertical



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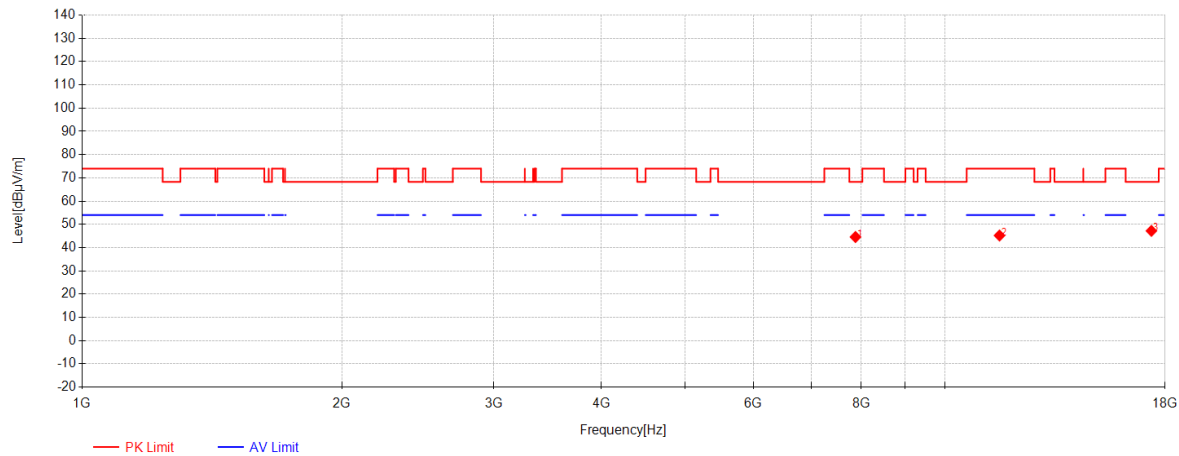
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8208.5167	42.96	37.20	-36.20	43.97	74.00	30.03	Horizontal
2	11570	35.35	38.40	-29.71	44.04	74.00	29.96	Horizontal
3	17355	34.08	39.75	-25.42	48.41	68.30	19.89	Horizontal



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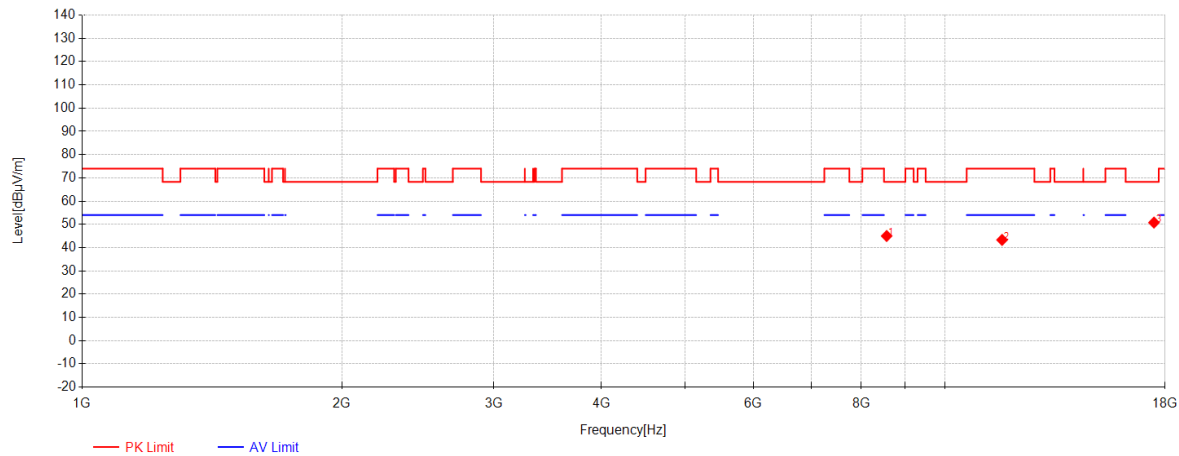
Data List								
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1	7877.7	44.50	36.98	-36.91	44.57	68.30	23.73	Vertical
2	11570	36.53	38.40	-29.71	45.22	74.00	28.78	Vertical
3	17355	32.89	39.75	-25.42	47.22	68.30	21.08	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8561.5667	43.12	37.38	-35.49	45.01	68.30	23.29	Horizontal
2	11650	34.52	38.40	-29.60	43.32	74.00	30.68	Horizontal
3	17475	34.91	40.04	-24.16	50.79	68.30	17.51	Horizontal



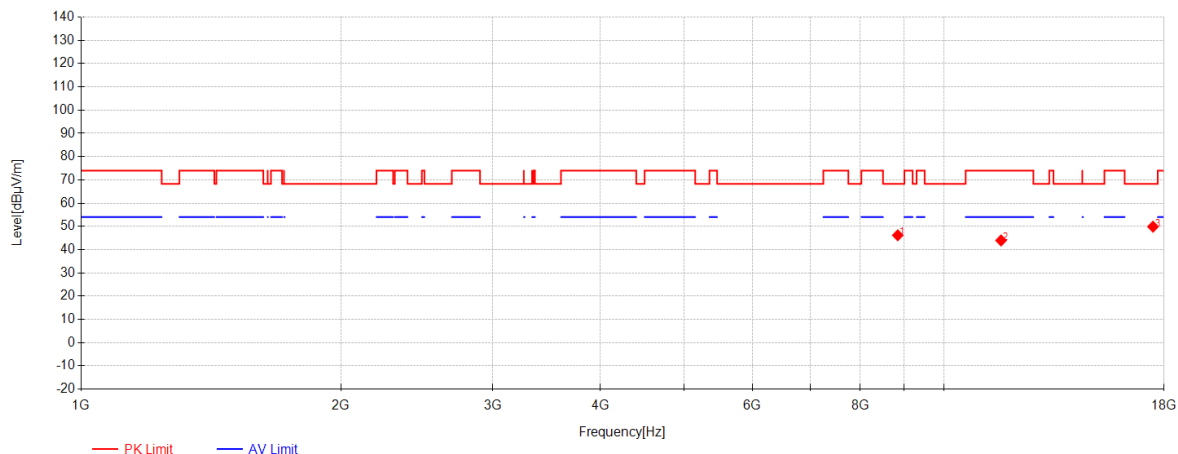
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8842.55	43.65	37.52	-35.01	46.16	68.30	22.14	Vertical
2	11650	35.16	38.40	-29.60	43.96	74.00	30.04	Vertical
3	17475	33.99	40.04	-24.16	49.87	68.30	18.43	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Level(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.
- Both peak and average measured complies with the limit line, so test result is "PASS"

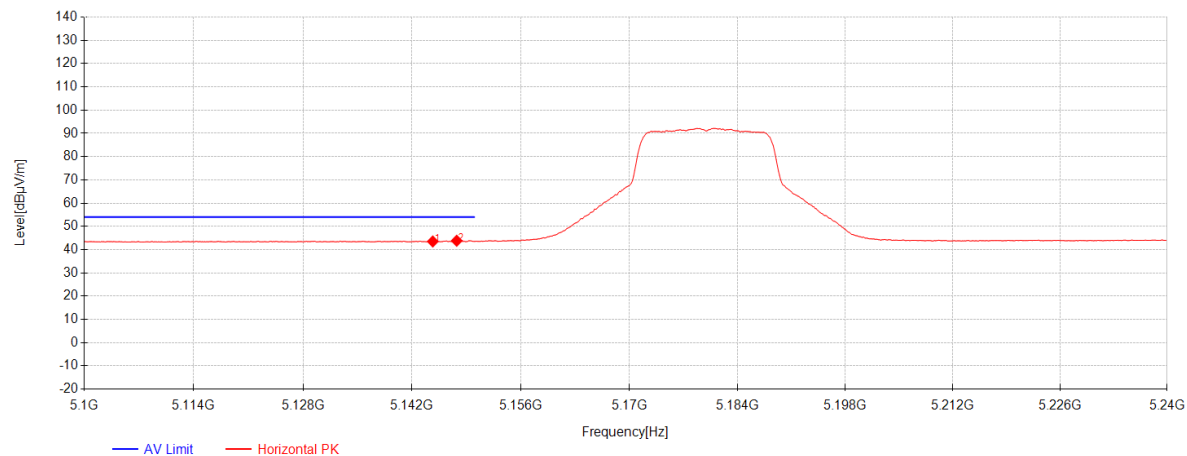


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Restricted bands around fundamental frequency

802.11a_Channel 36



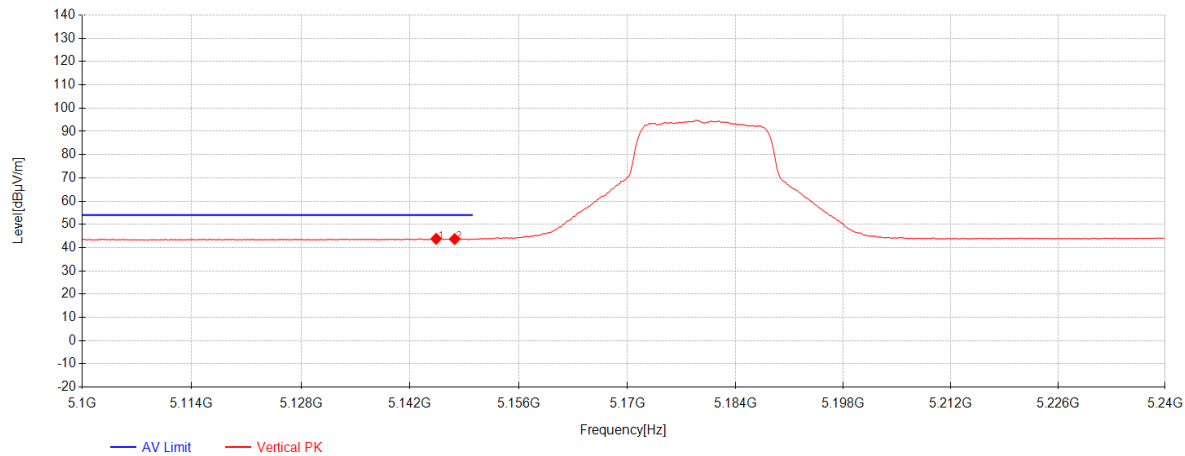
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.66	26.40	33.17	-16.07	43.50	54.00	10.50	Horizontal
2	5147.74	26.73	33.17	-16.07	43.83	54.00	10.17	Horizontal



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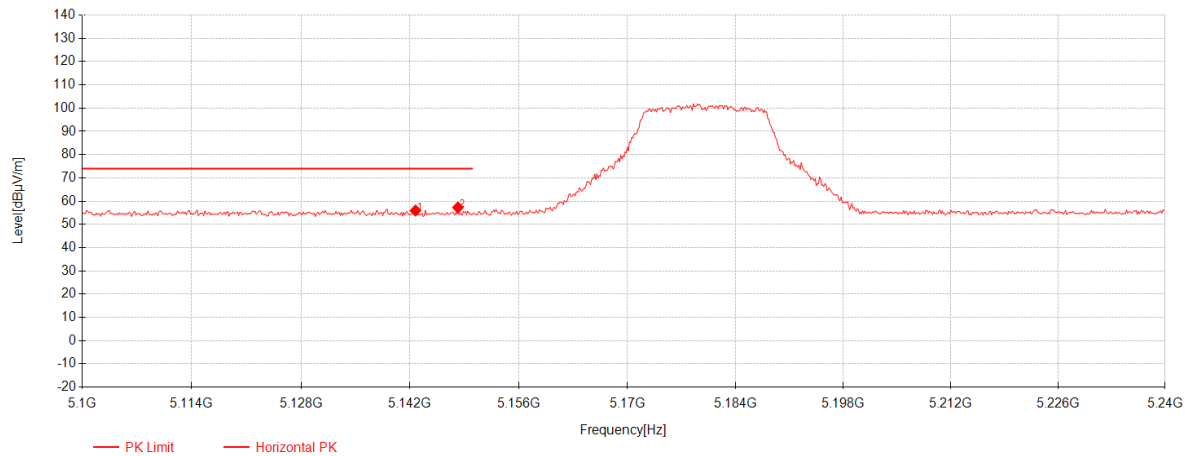
Data List								
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1	5145.36	26.72	33.17	-16.07	43.82	54.00	10.18	Vertical
2	5147.74	26.60	33.17	-16.07	43.70	54.00	10.30	Vertical



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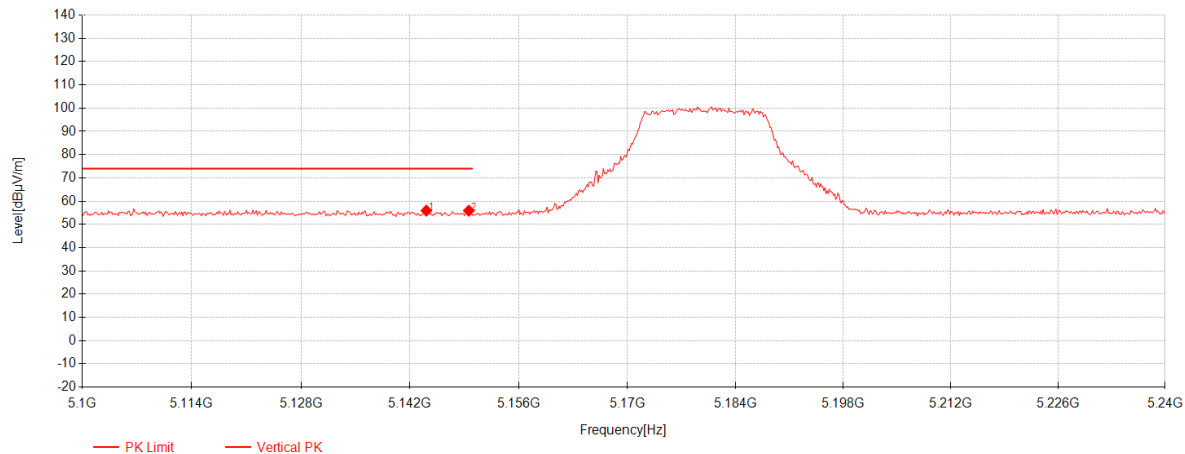
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1	5142.7	38.87	33.17	-16.08	55.96	74.00	18.04	Horizontal
2	5148.16	40.18	33.17	-16.07	57.28	74.00	16.72	Horizontal



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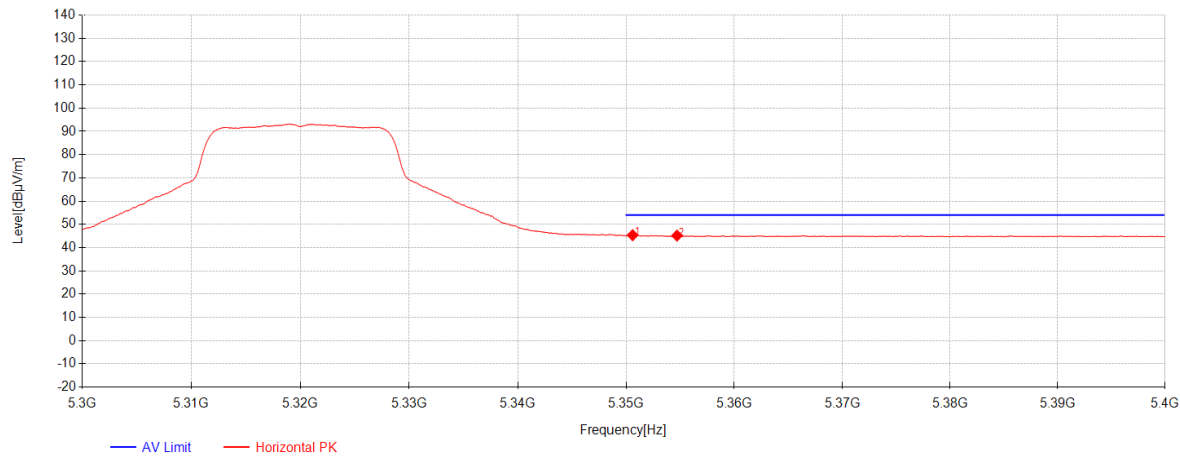
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.1	38.82	33.17	-16.08	55.92	74.00	18.08	Vertical
2	5149.56	38.80	33.17	-16.07	55.90	74.00	18.10	Vertical



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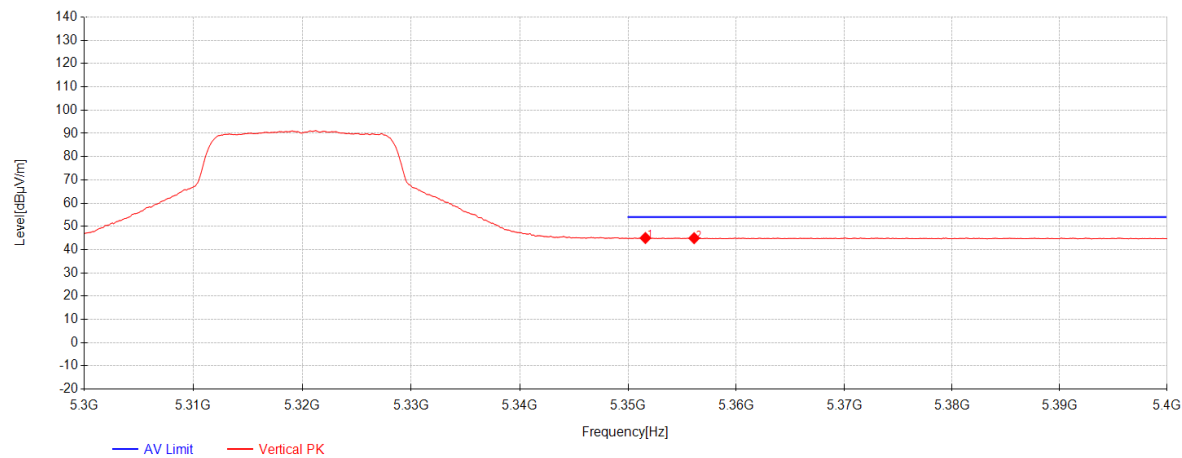
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6	28.03	33.13	-15.80	45.36	54.00	8.64	Horizontal
2	5354.7	27.85	33.13	-15.80	45.18	54.00	8.82	Horizontal



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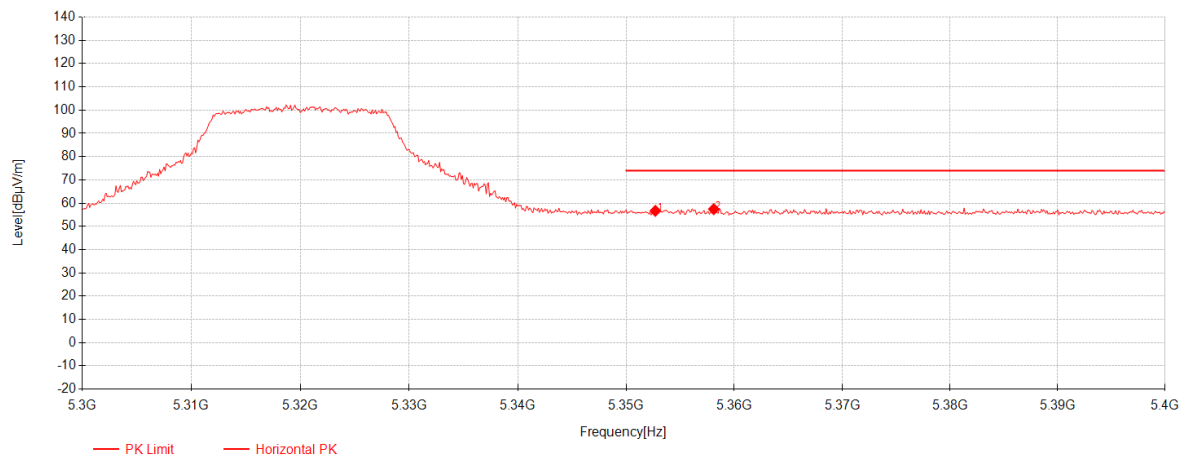
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.6	27.67	33.13	-15.80	45.00	54.00	9.00	Vertical
2	5356.1	27.60	33.13	-15.80	44.93	54.00	9.07	Vertical



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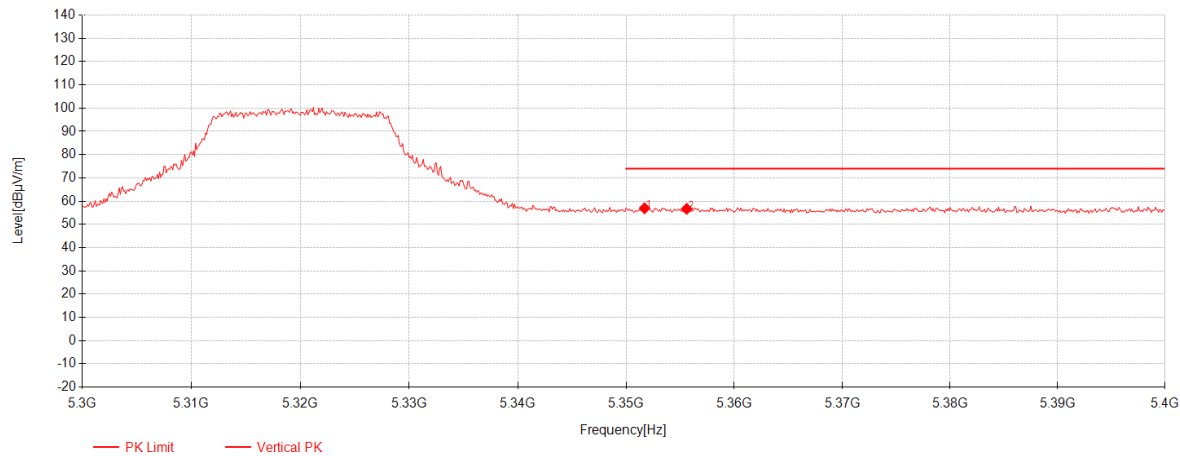
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1	5352.7	39.34	33.13	-15.80	56.67	74.00	17.33	Horizontal
2	5358.1	40.07	33.13	-15.80	57.40	74.00	16.60	Horizontal



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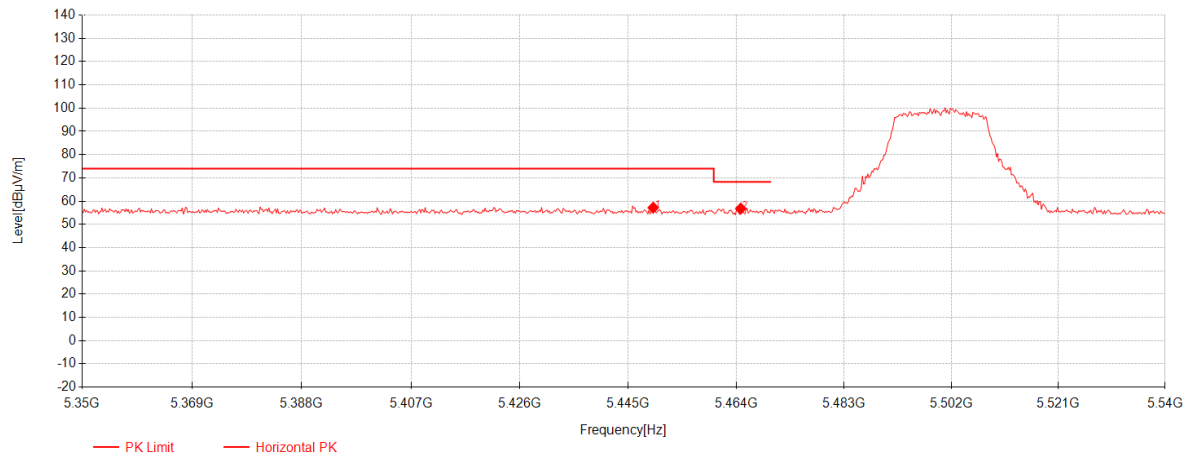
Data List								
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1	5351.7	39.61	33.13	-15.80	56.94	74.00	17.06	Vertical
2	5355.6	39.35	33.13	-15.80	56.68	74.00	17.32	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.37	39.61	33.11	-15.54	57.18	74.00	16.82	Horizontal
2	5464.76	39.14	33.11	-15.45	56.80	68.30	11.50	Horizontal



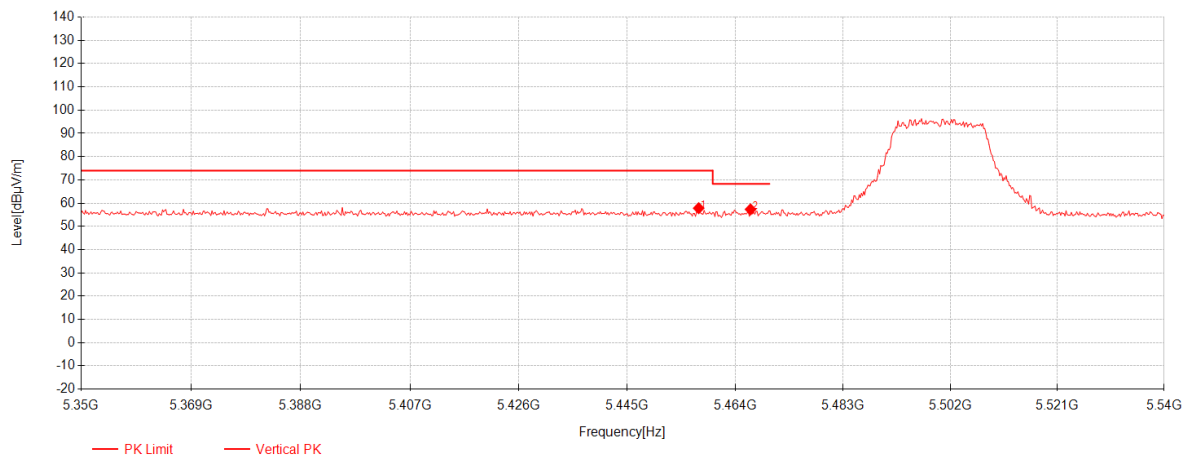
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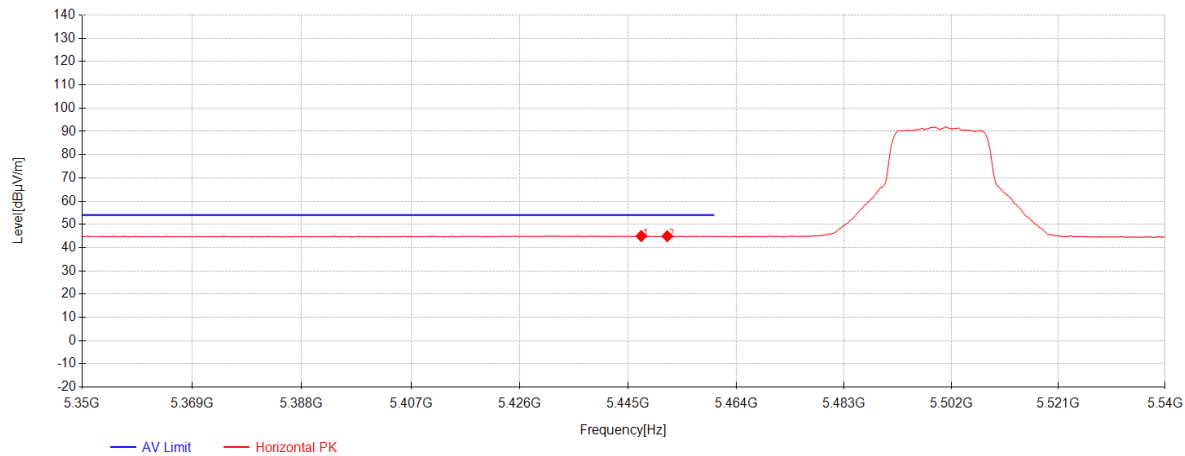
Data List								
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1	5457.54	40.20	33.11	-15.49	57.82	74.00	16.18	Vertical
2	5466.66	39.64	33.11	-15.44	57.31	68.30	10.99	Vertical



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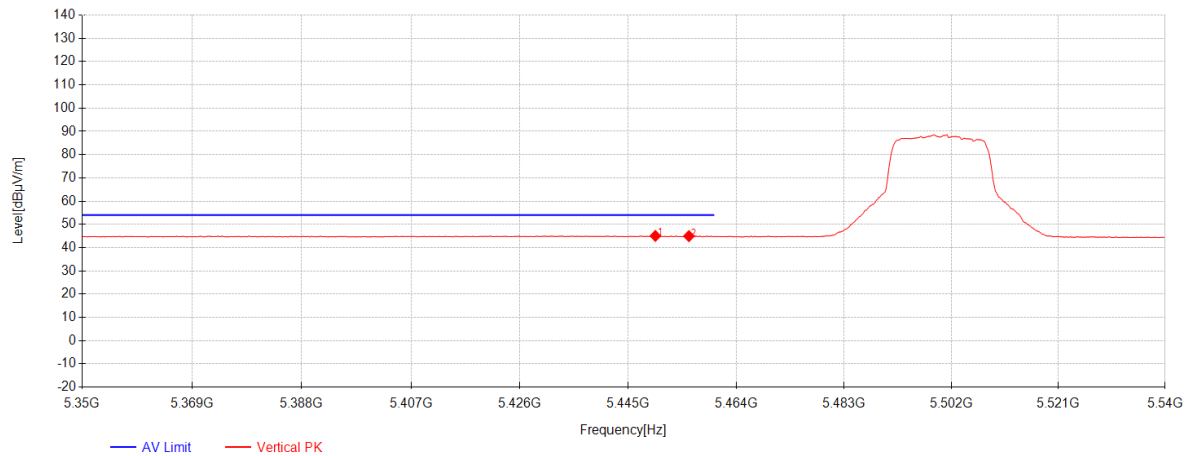
Data List								
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1	5447.28	27.39	33.11	-15.55	44.95	54.00	9.05	Horizontal
2	5451.84	27.32	33.11	-15.52	44.91	54.00	9.09	Horizontal



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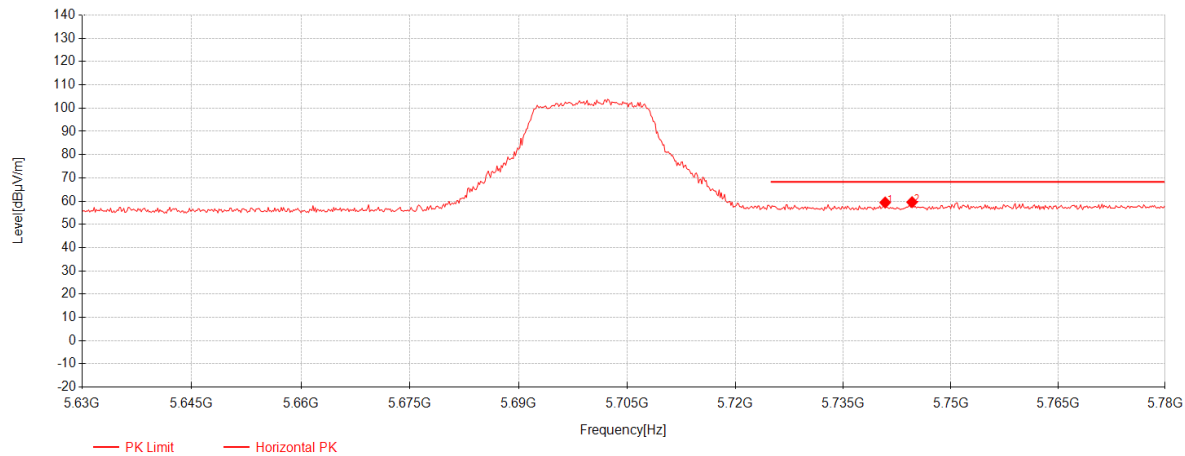
Data List								
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1	5449.75	27.47	33.11	-15.54	45.04	54.00	8.96	Vertical
2	5455.64	27.34	33.11	-15.50	44.95	54.00	9.05	Vertical



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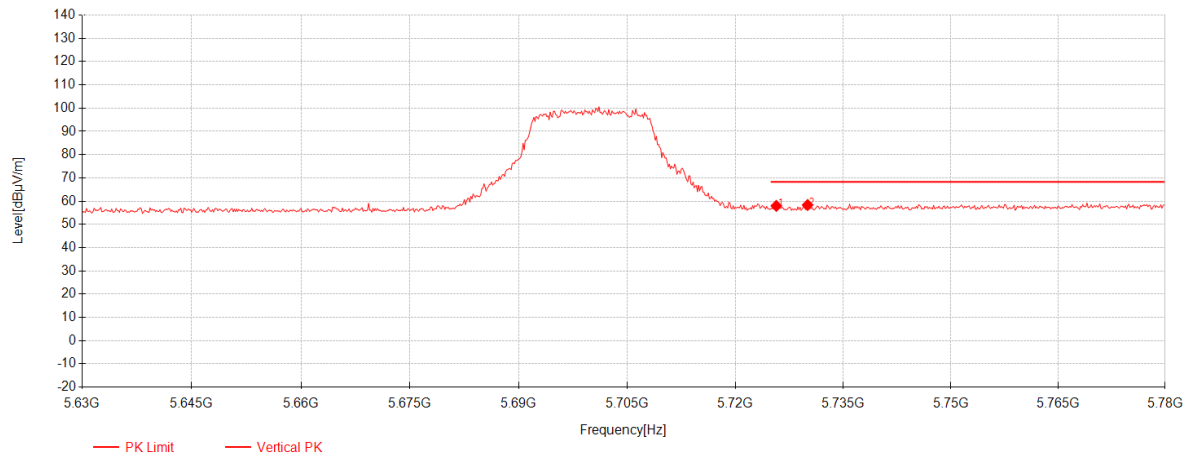
Data List								
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1	5740.85	40.33	33.92	-14.85	59.40	68.30	8.90	Horizontal
2	5744.6	40.46	33.93	-14.83	59.56	68.30	8.74	Horizontal



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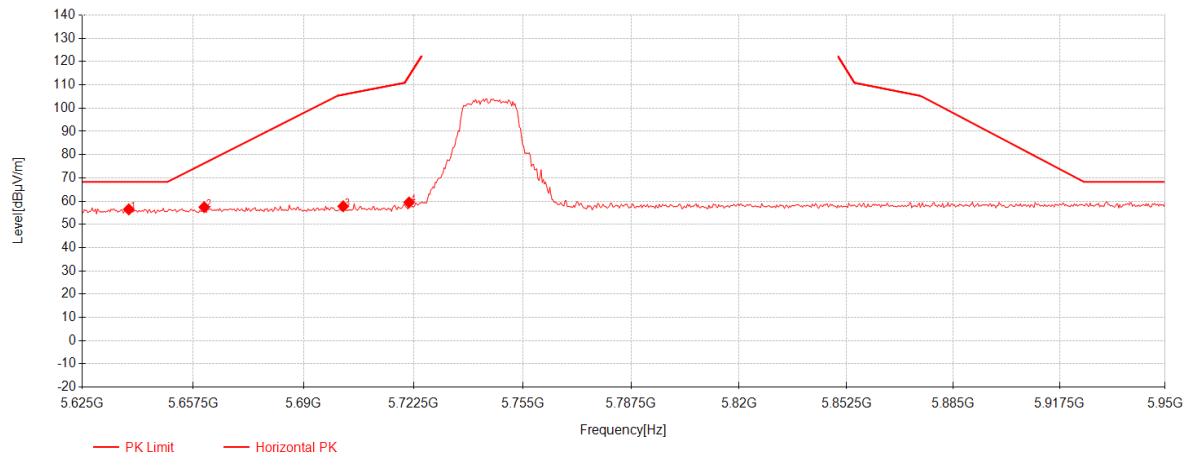
Data List								
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1	5725.7	39.06	33.87	-14.96	57.97	68.30	10.33	Vertical
2	5730.05	39.39	33.88	-14.93	58.35	68.30	9.95	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5638.65	38.13	33.57	-15.24	56.46	68.30	11.84	Horizontal
2	5660.75	38.96	33.65	-15.20	57.41	76.28	18.87	Horizontal
3	5701.7	39.11	33.79	-15.12	57.78	105.78	48.00	Horizontal
4	5721.2	40.57	33.85	-14.99	59.44	113.64	54.20	Horizontal



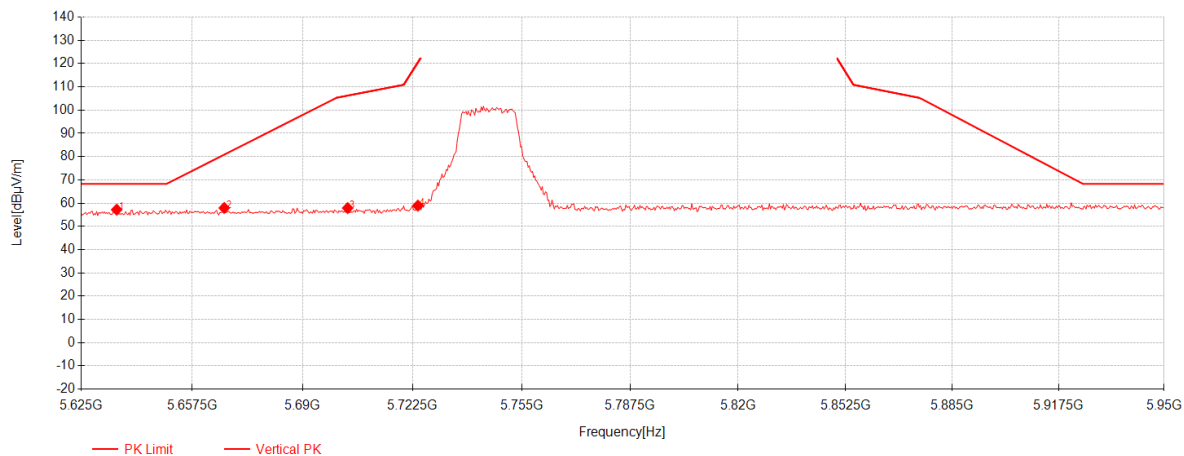
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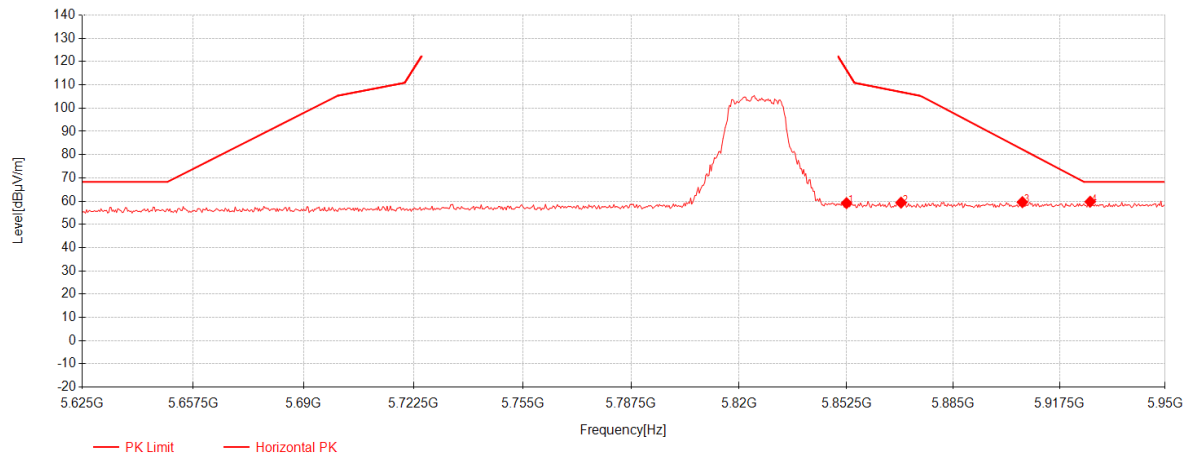
Data List								
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1	5635.4	38.89	33.56	-15.25	57.20	68.30	11.10	Vertical
2	5666.925	39.44	33.67	-15.19	57.92	80.86	22.94	Vertical
3	5703.325	39.20	33.79	-15.11	57.88	106.23	48.35	Vertical
4	5724.125	40.02	33.86	-14.97	58.92	120.31	61.39	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5852.5	39.34	34.30	-14.49	59.15	116.60	57.45	Horizontal
2	5869.075	39.51	34.35	-14.51	59.36	106.96	47.60	Horizontal
3	5906.125	39.60	34.48	-14.53	59.55	82.23	22.68	Horizontal
4	5926.925	39.74	34.55	-14.54	59.75	68.30	8.55	Horizontal



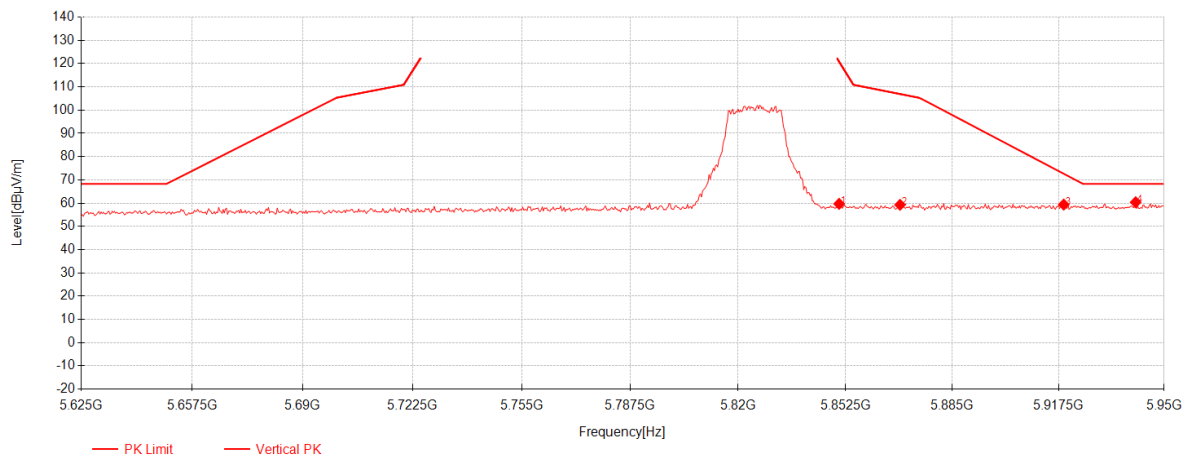
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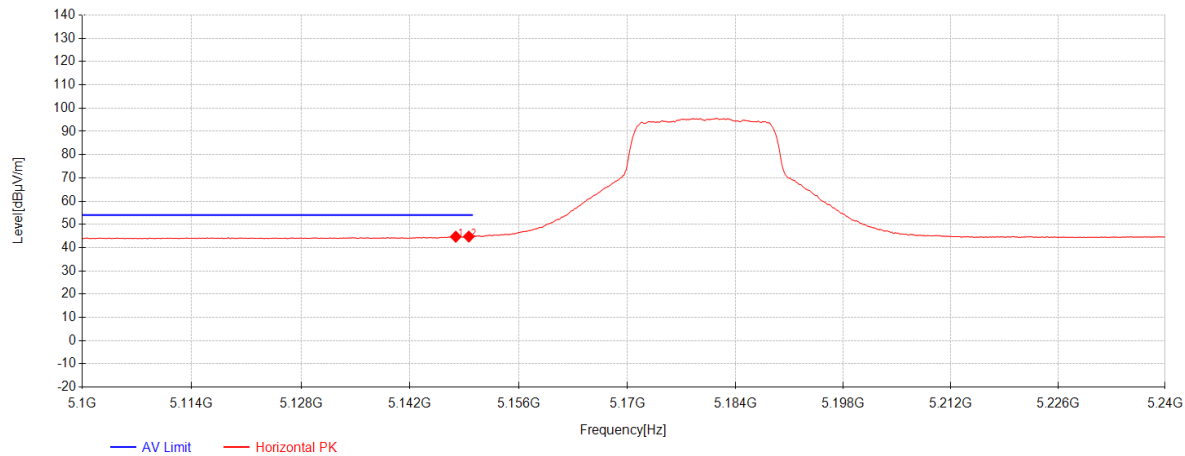
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.55	39.89	34.29	-14.49	59.69	121.05	61.36	Vertical
2	5869.075	39.43	34.35	-14.51	59.28	106.96	47.68	Vertical
3	5919.125	39.40	34.53	-14.54	59.39	72.63	13.24	Vertical
4	5941.225	40.30	34.60	-14.54	60.36	68.30	7.94	Vertical



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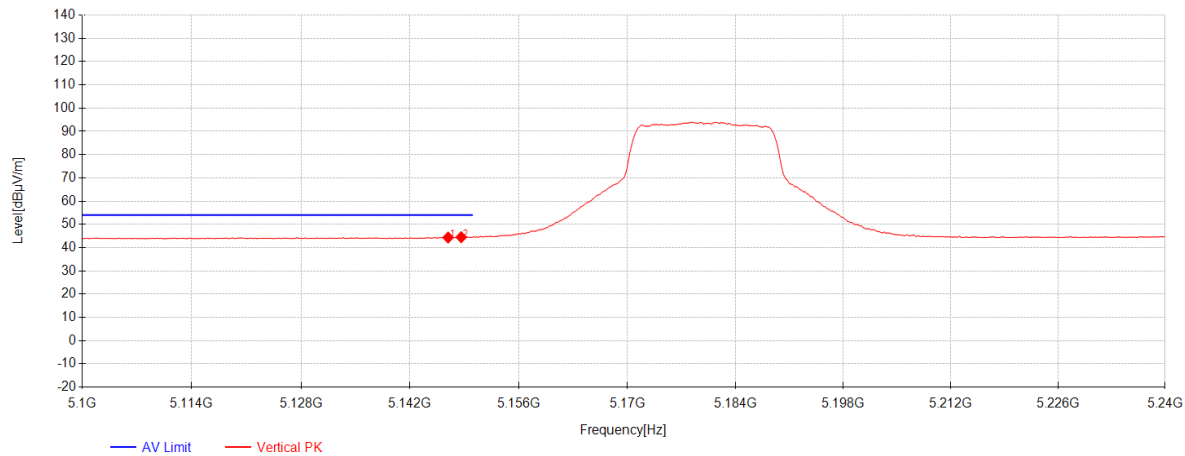
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.88	27.60	33.17	-16.07	44.70	54.00	9.30	Horizontal
2	5149.56	27.65	33.17	-16.07	44.75	54.00	9.25	Horizontal



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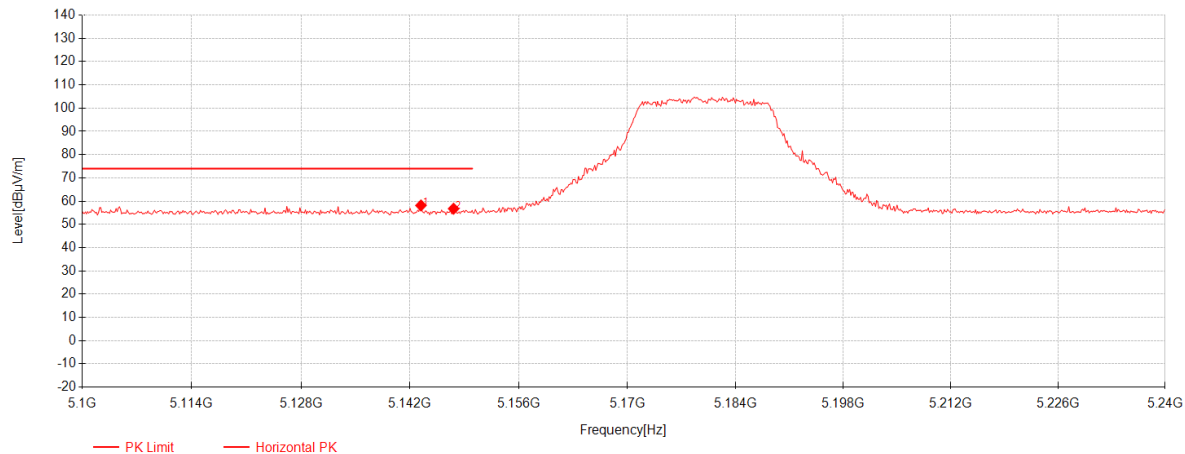
Data List								
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1	5146.9	27.24	33.17	-16.07	44.34	54.00	9.66	Vertical
2	5148.58	27.41	33.17	-16.07	44.51	54.00	9.49	Vertical



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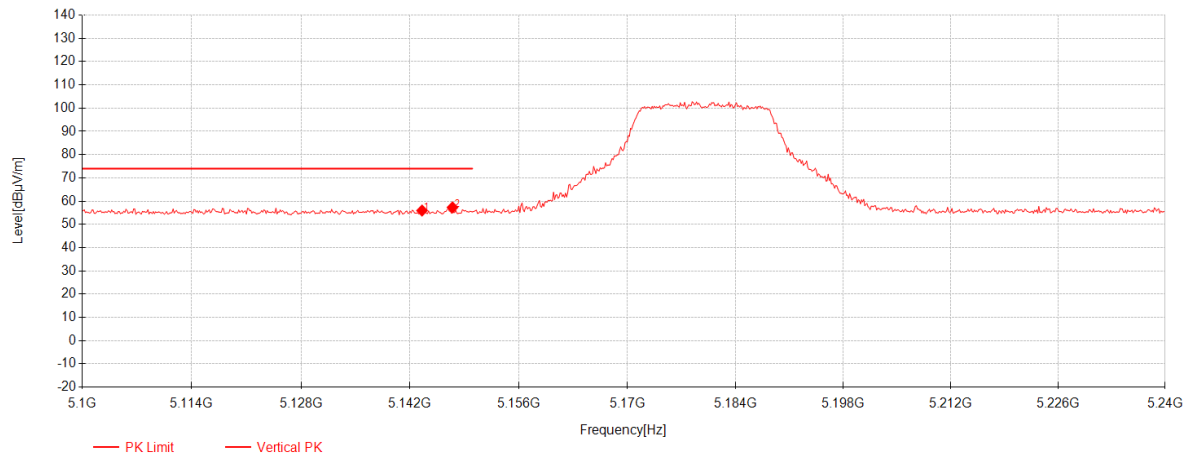
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.4	41.05	33.17	-16.08	58.15	74.00	15.85	Horizontal
2	5147.6	39.65	33.17	-16.07	56.75	74.00	17.25	Horizontal



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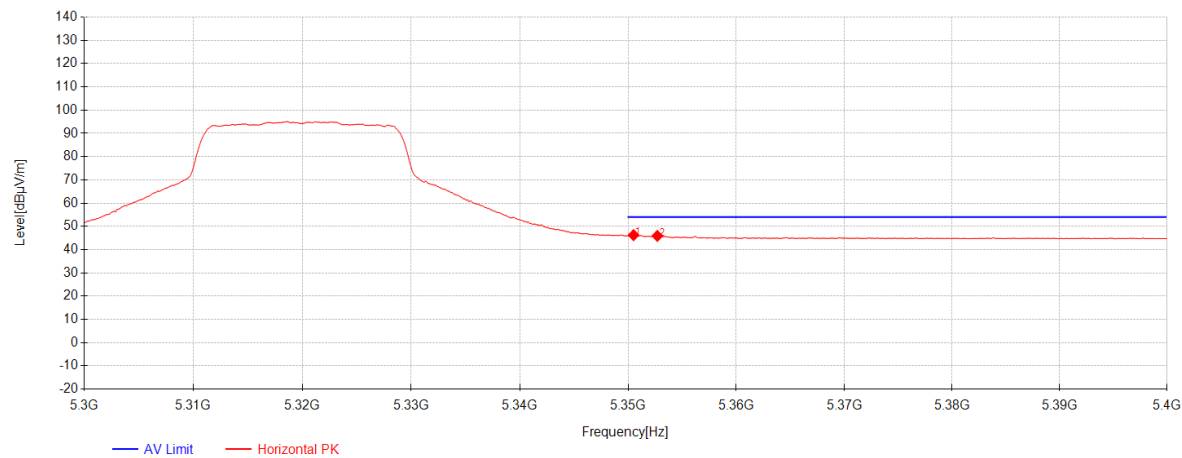
Data List								
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1	5143.54	38.86	33.17	-16.08	55.96	74.00	18.04	Vertical
2	5147.46	40.19	33.17	-16.07	57.29	74.00	16.71	Vertical



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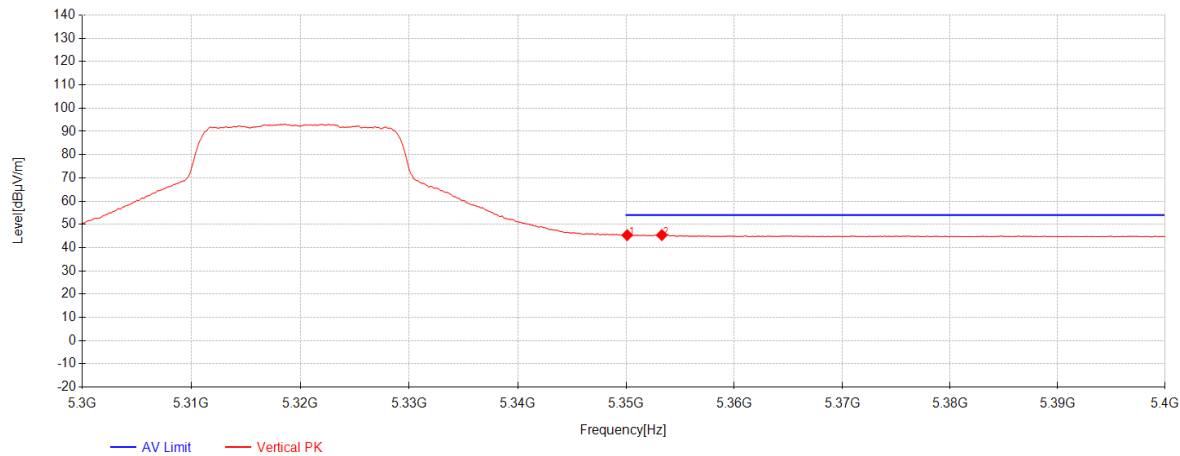
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.5	28.90	33.13	-15.80	46.23	54.00	7.77	Horizontal
2	5352.7	28.58	33.13	-15.80	45.91	54.00	8.09	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.1	28.04	33.13	-15.80	45.37	54.00	8.63	Vertical
2	5353.3	28.08	33.13	-15.80	45.41	54.00	8.59	Vertical



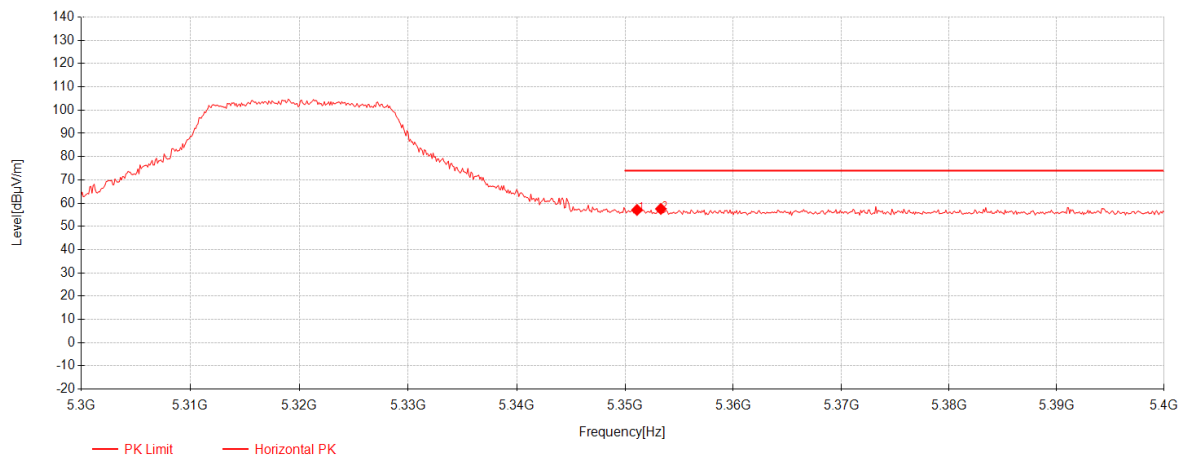
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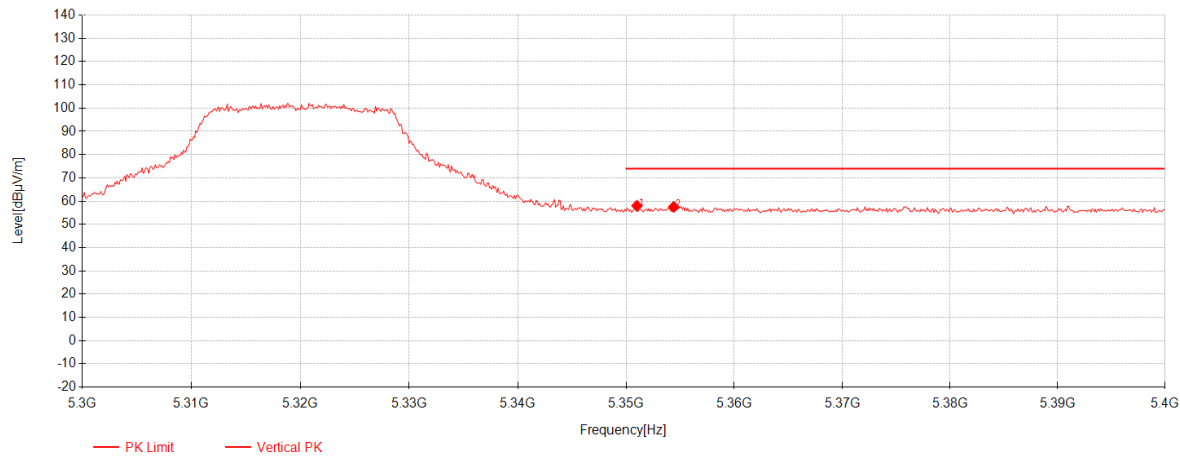
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5351.1	39.76	33.13	-15.80	57.09	74.00	16.91	Horizontal
2	5353.3	40.19	33.13	-15.80	57.52	74.00	16.48	Horizontal



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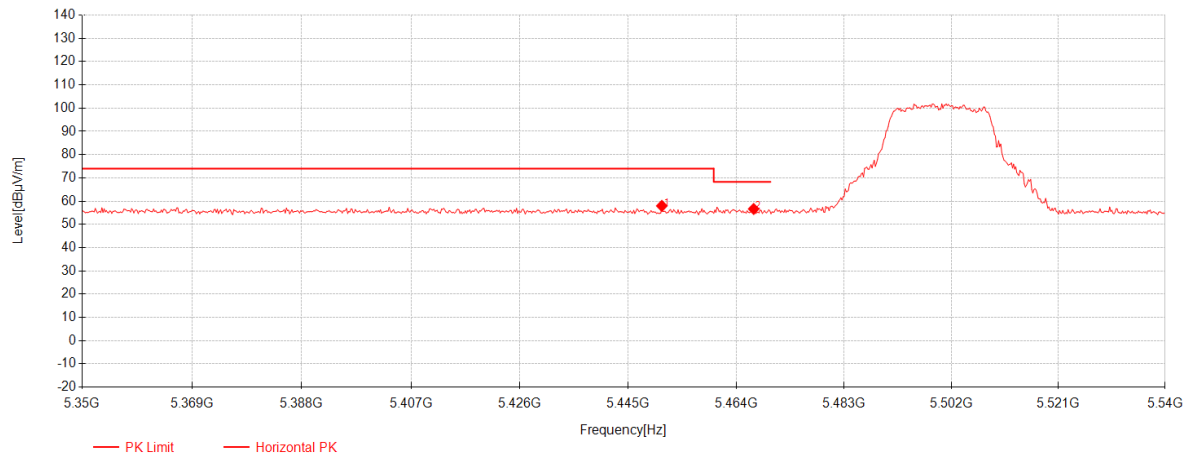
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1	5351	40.66	33.13	-15.80	57.99	74.00	16.01	Vertical
2	5354.4	40.20	33.13	-15.80	57.53	74.00	16.47	Vertical



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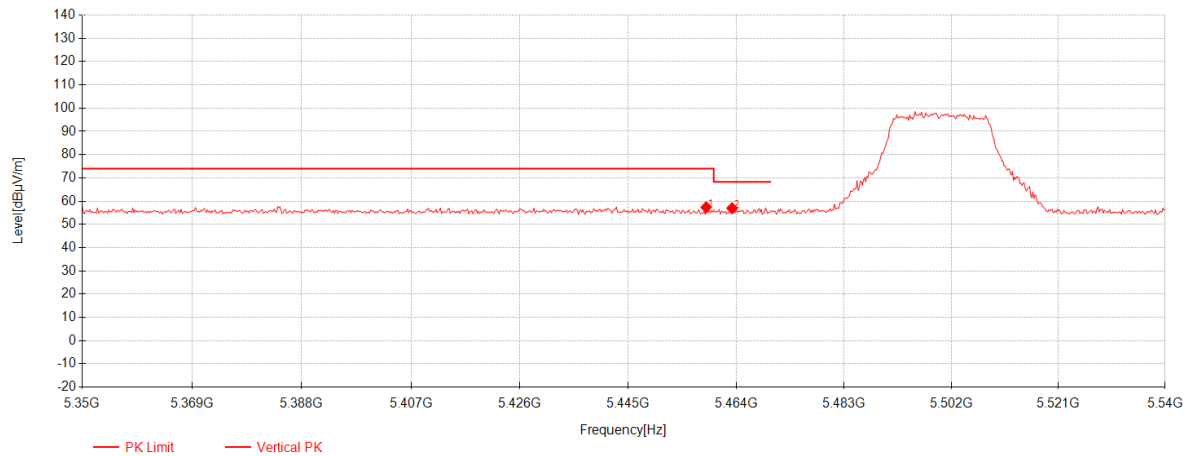
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1	5450.89	40.37	33.11	-15.53	57.95	74.00	16.05	Horizontal
2	5467.04	38.96	33.11	-15.44	56.63	68.30	11.67	Horizontal



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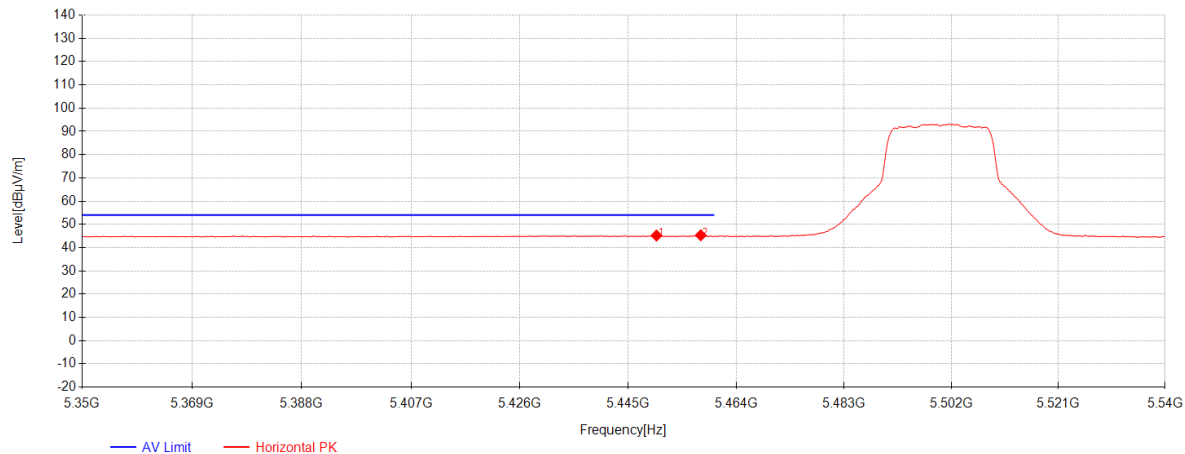
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1	5458.68	39.74	33.11	-15.49	57.36	74.00	16.64	Vertical
2	5463.24	39.32	33.11	-15.46	56.97	68.30	11.33	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.94	27.63	33.11	-15.54	45.20	54.00	8.80	Horizontal
2	5457.73	27.70	33.11	-15.49	45.32	54.00	8.68	Horizontal



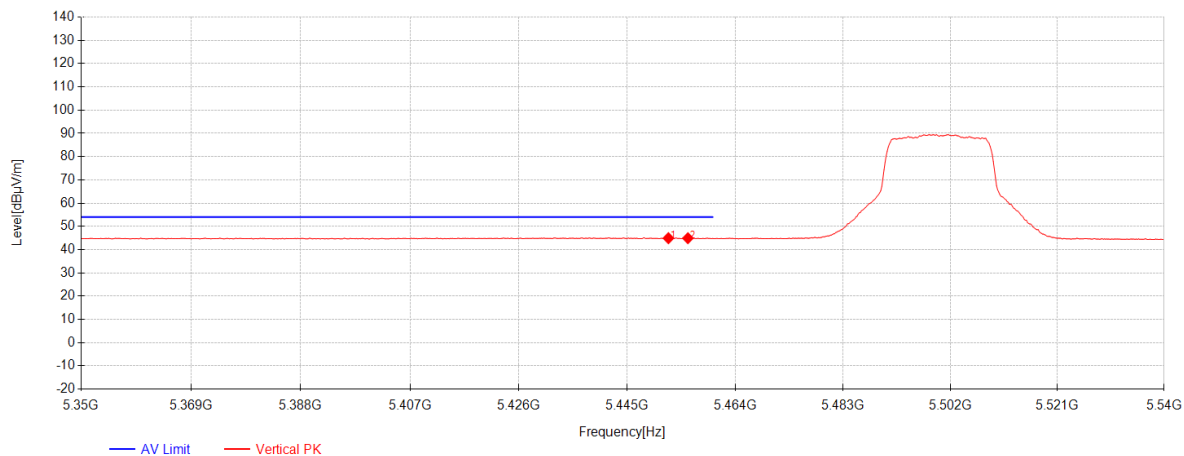
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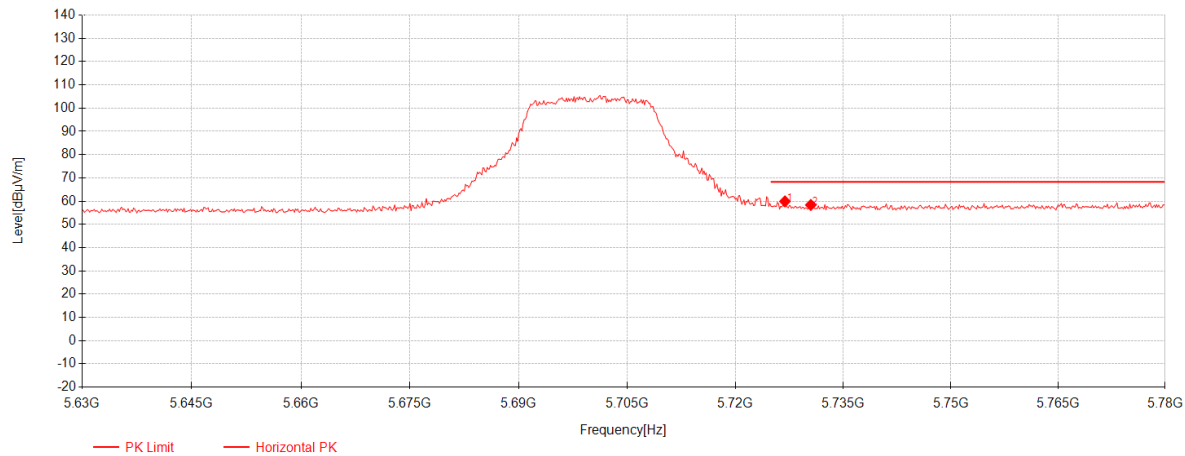
Data List								
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1	5452.22	27.33	33.11	-15.52	44.92	54.00	9.08	Vertical
2	5455.64	27.31	33.11	-15.50	44.92	54.00	9.08	Vertical



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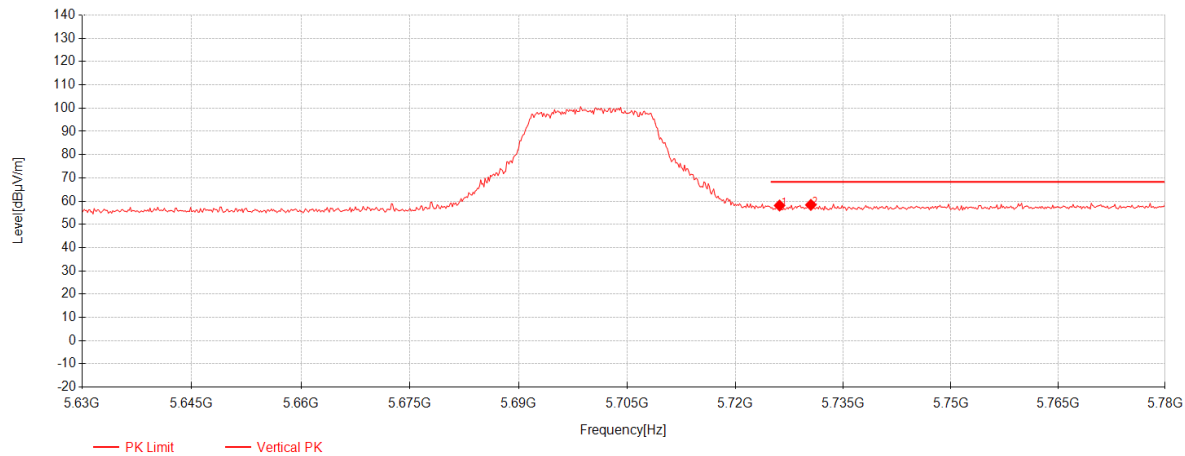
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.9	40.98	33.87	-14.95	59.90	68.30	8.40	Horizontal
2	5730.5	39.40	33.88	-14.92	58.36	68.30	9.94	Horizontal



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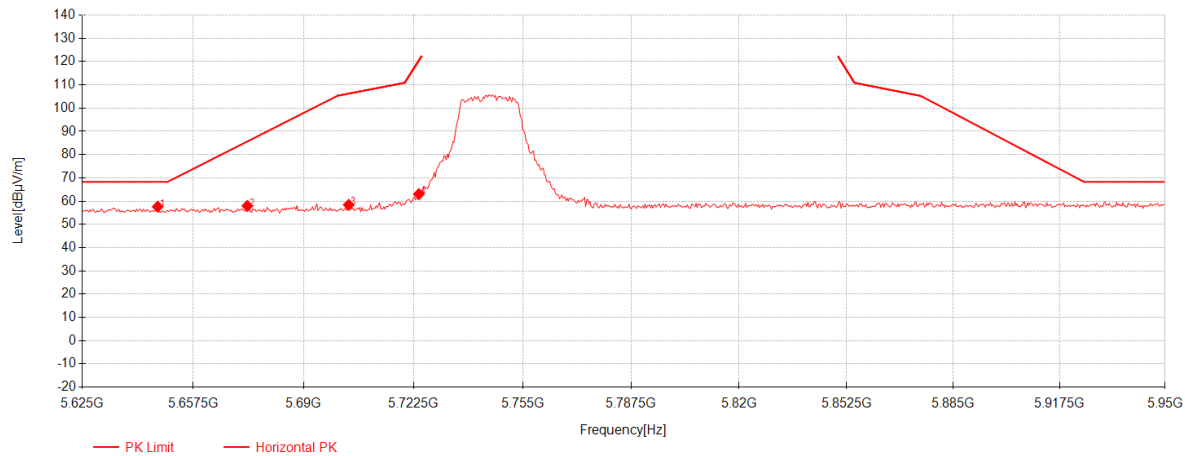
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1	5726.15	39.19	33.87	-14.95	58.11	68.30	10.19	Vertical
2	5730.5	39.43	33.88	-14.92	58.39	68.30	9.91	Vertical



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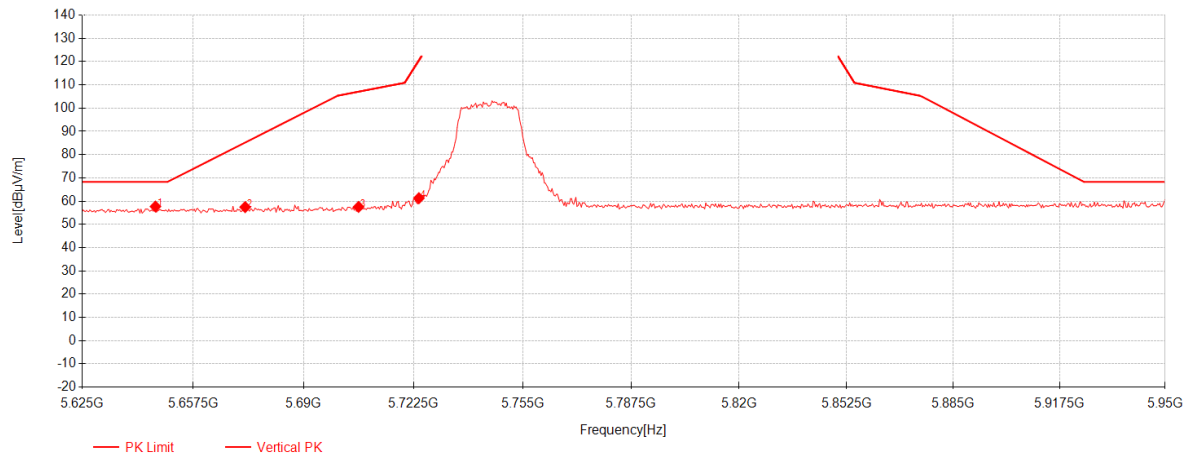
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1	5647.1	39.24	33.60	-15.23	57.61	68.30	10.69	Horizontal
2	5673.425	39.43	33.69	-15.18	57.94	85.68	27.74	Horizontal
3	5703.325	39.73	33.79	-15.11	58.41	106.23	47.82	Horizontal
4	5724.125	44.12	33.86	-14.97	63.02	120.31	57.29	Horizontal



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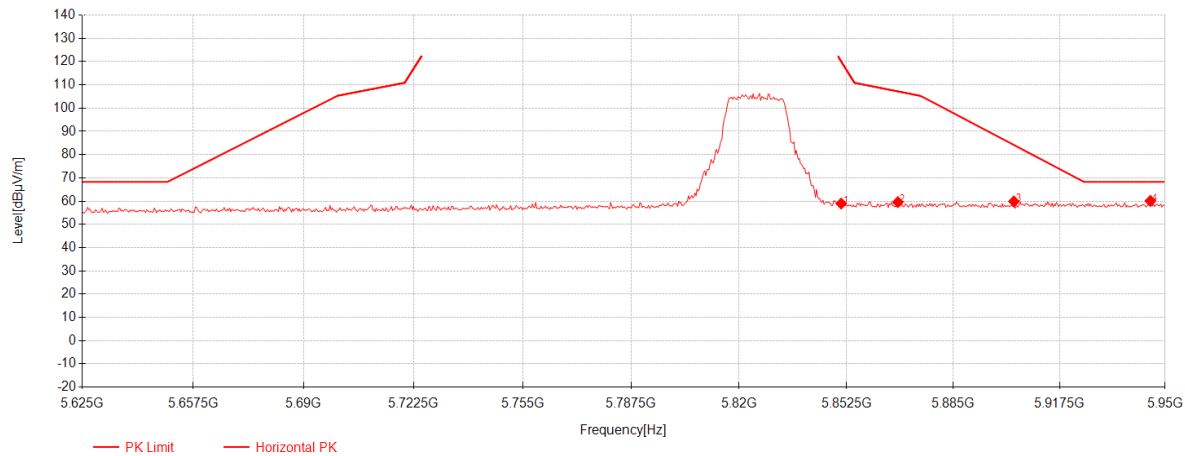
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1	5646.45	39.32	33.60	-15.23	57.69	68.30	10.61	Vertical
2	5672.775	38.92	33.69	-15.18	57.43	85.19	27.76	Vertical
3	5706.25	38.82	33.80	-15.09	57.53	107.05	49.52	Vertical
4	5724.125	42.36	33.86	-14.97	61.26	120.31	59.05	Vertical



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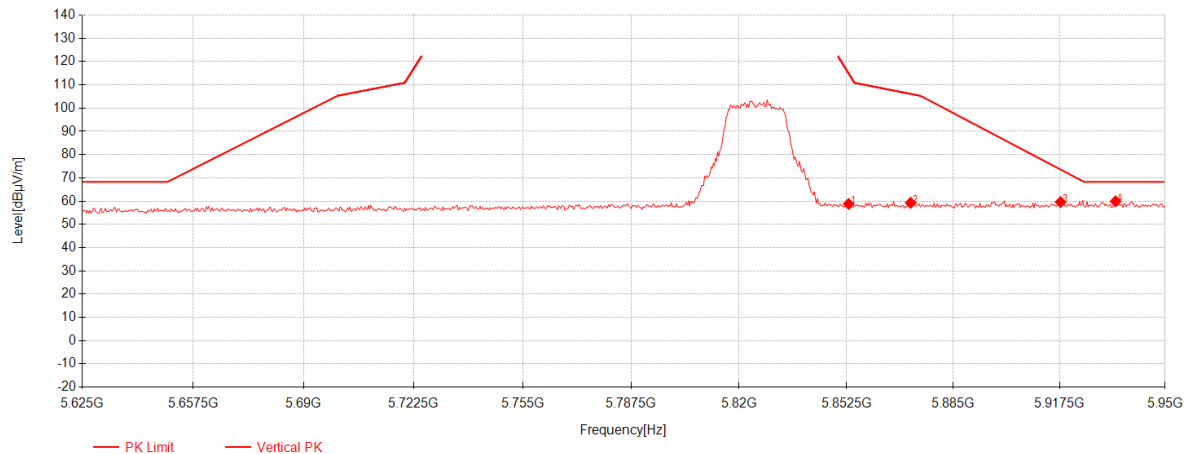
Data List								
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1	5850.875	39.17	34.29	-14.49	58.97	120.30	61.33	Horizontal
2	5868.1	39.72	34.35	-14.50	59.57	107.23	47.66	Horizontal
3	5903.525	39.92	34.47	-14.53	59.86	84.15	24.29	Horizontal
4	5945.45	40.01	34.61	-14.54	60.08	68.30	8.22	Horizontal



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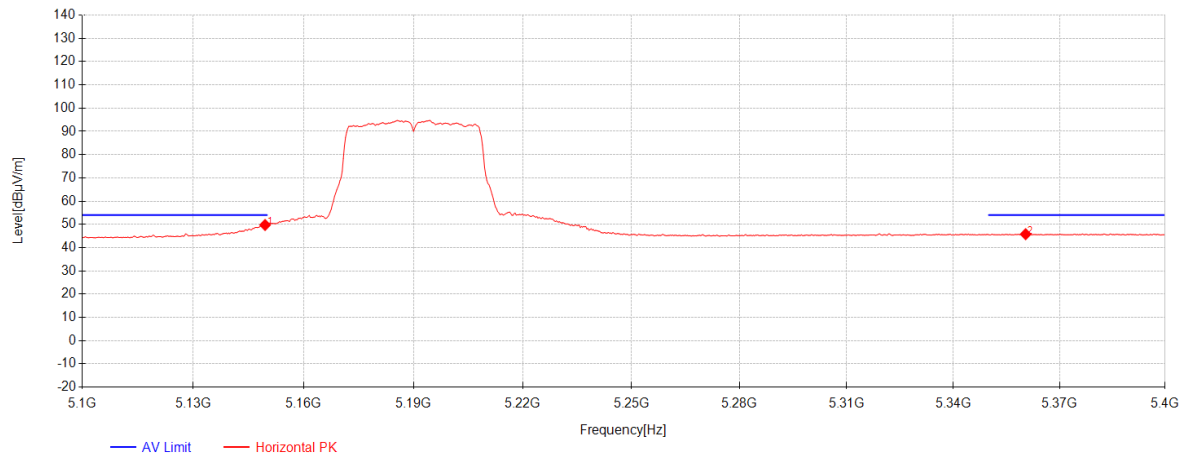
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5853.15	38.99	34.30	-14.49	58.80	115.12	56.32	Vertical
2	5872	39.42	34.36	-14.51	59.28	106.14	46.86	Vertical
3	5917.825	39.60	34.52	-14.54	59.59	73.59	14.00	Vertical
4	5934.725	39.86	34.58	-14.54	59.90	68.30	8.40	Vertical



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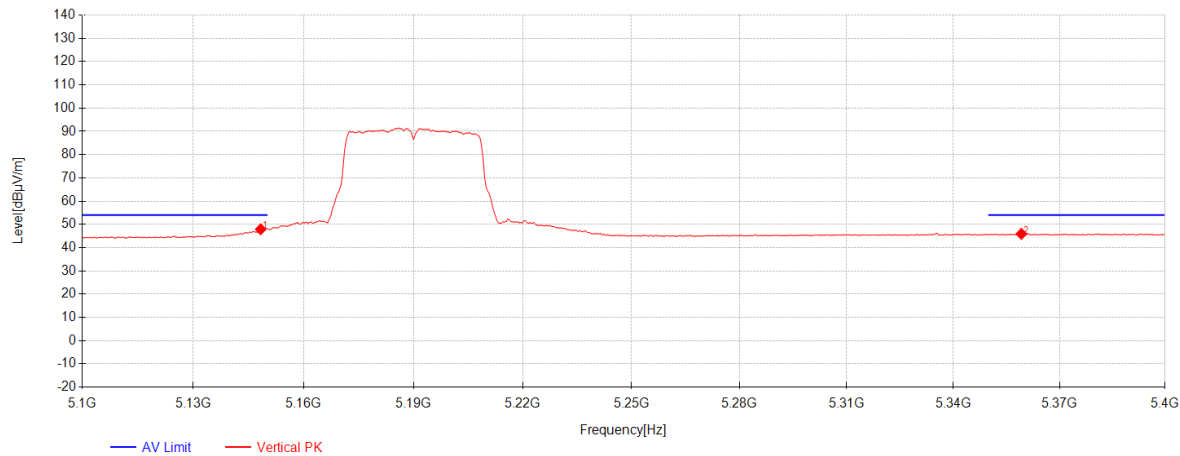
Data List								
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1	5149.5	32.64	33.17	-16.07	49.74	54.00	4.26	Horizontal
2	5360.4	28.45	33.13	-15.80	45.78	54.00	8.22	Horizontal



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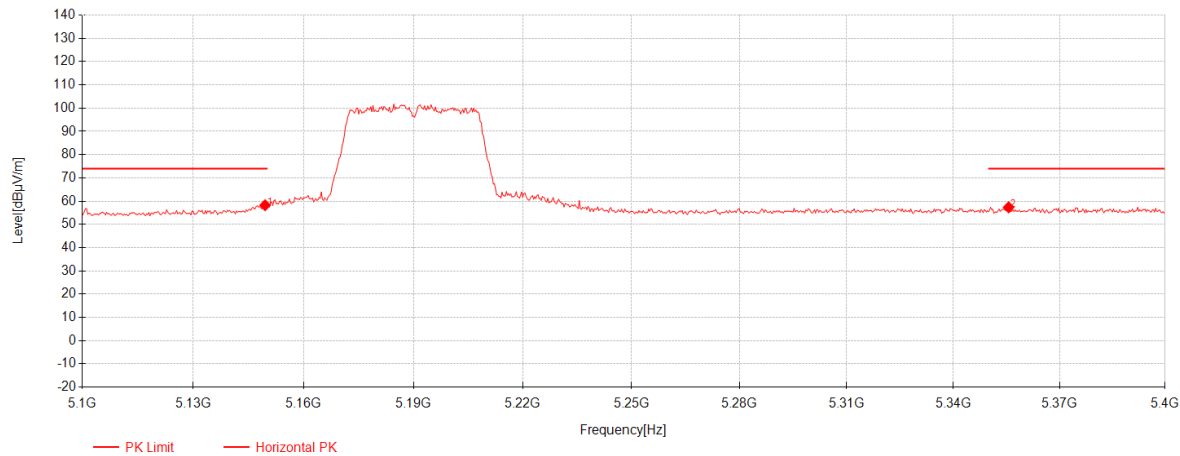
Data List								
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1	5148.3	30.80	33.17	-16.07	47.90	54.00	6.10	Vertical
2	5359.2	28.59	33.13	-15.80	45.92	54.00	8.08	Vertical



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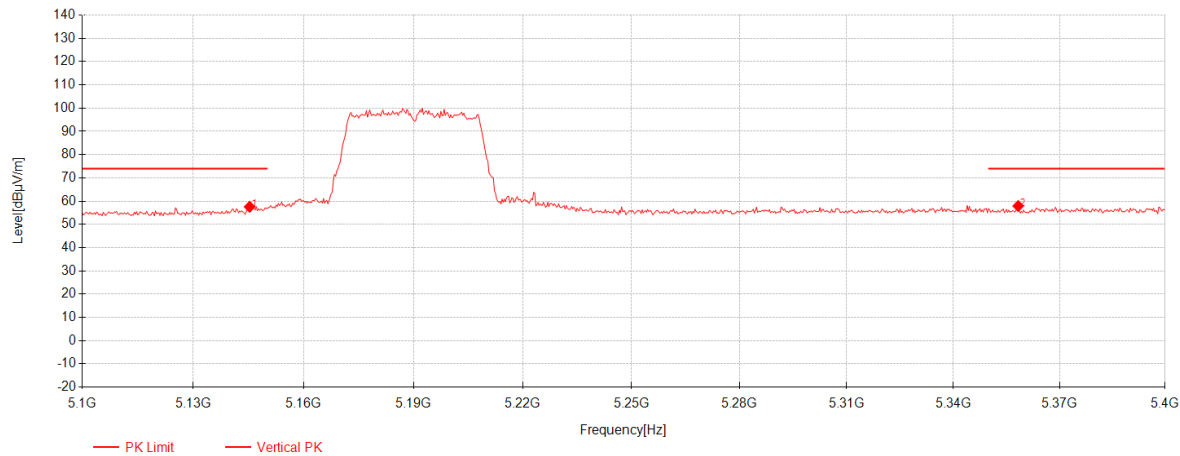
Data List								
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1	5149.5	41.15	33.17	-16.07	58.25	74.00	15.75	Horizontal
2	5355.6	40.01	33.13	-15.80	57.34	74.00	16.66	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.3	40.48	33.17	-16.07	57.58	74.00	16.42	Vertical
2	5358.3	40.57	33.13	-15.80	57.90	74.00	16.10	Vertical



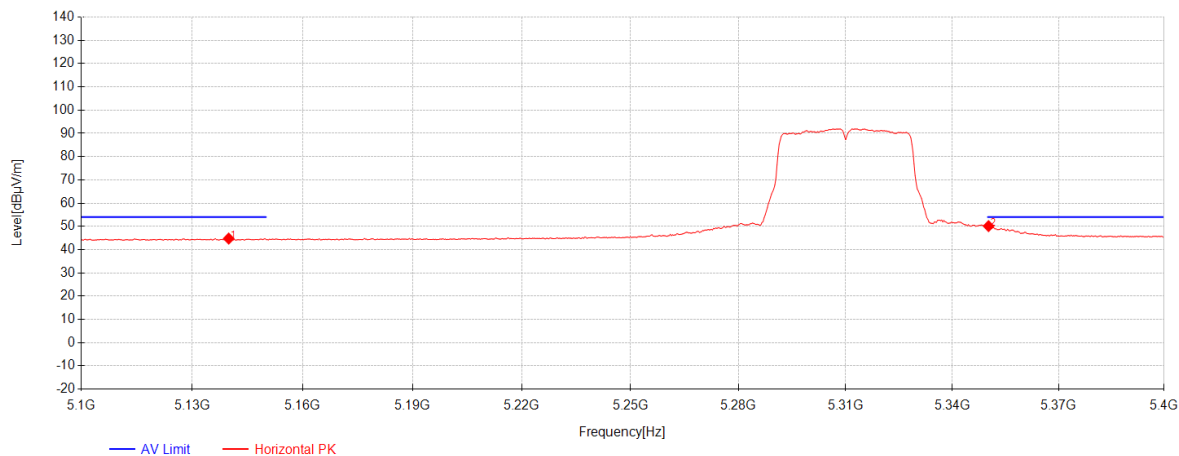
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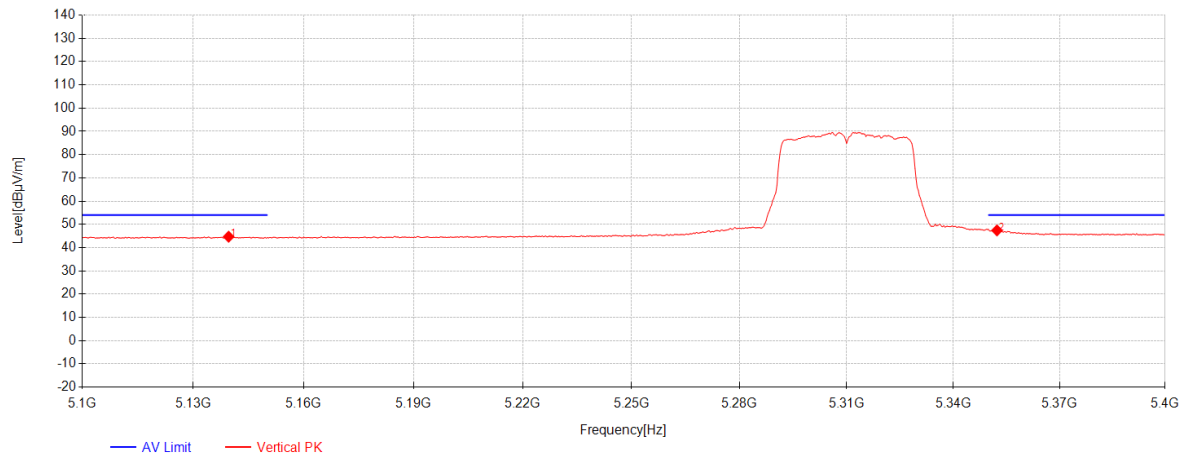
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1	5139.9	27.67	33.17	-16.08	44.76	54.00	9.24	Horizontal
2	5350.2	32.80	33.13	-15.80	50.13	54.00	3.87	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5139.6	27.62	33.17	-16.08	44.71	54.00	9.29	Vertical
2	5352.3	30.09	33.13	-15.80	47.42	54.00	6.58	Vertical



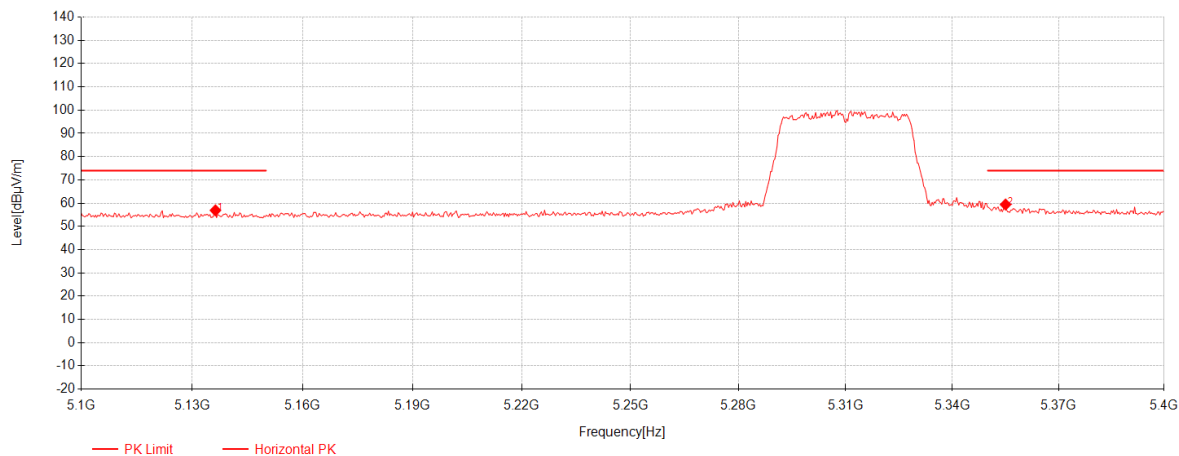
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5136.3	39.80	33.17	-16.09	56.88	74.00	17.12	Horizontal
2	5355	42.06	33.13	-15.80	59.39	74.00	14.61	Horizontal



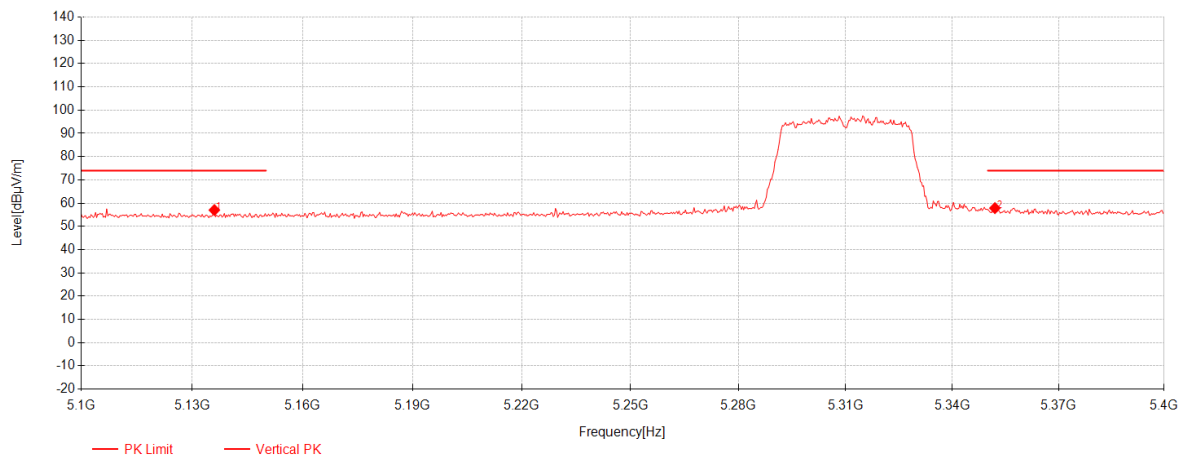
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5136	39.93	33.17	-16.09	57.01	74.00	16.99	Vertical
2	5352	40.53	33.13	-15.80	57.86	74.00	16.14	Vertical



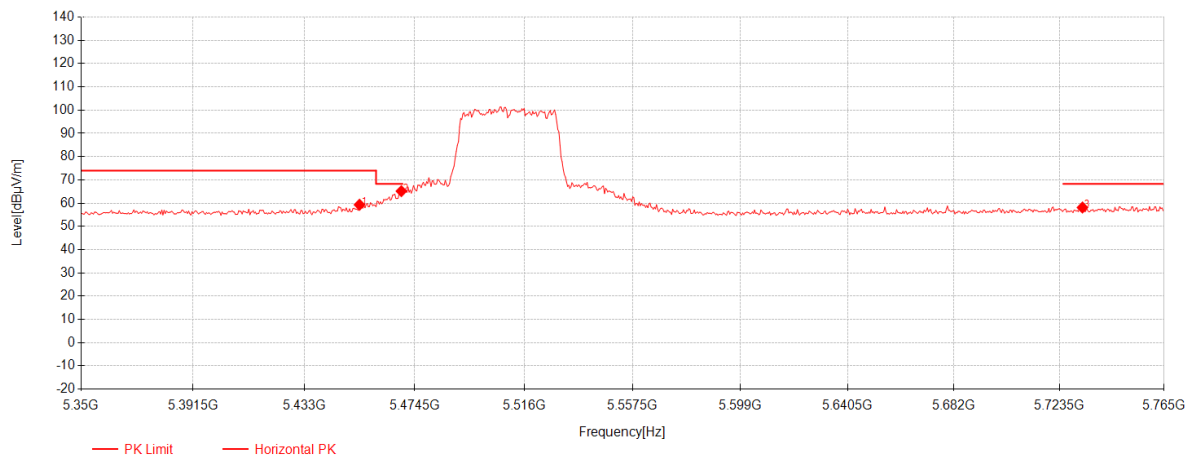
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5453.75	41.71	33.11	-15.51	59.31	74.00	14.69	Horizontal
2	5469.52	47.46	33.11	-15.42	65.14	68.30	3.16	Horizontal
3	5732.63	39.14	33.89	-14.91	58.12	68.30	10.18	Horizontal



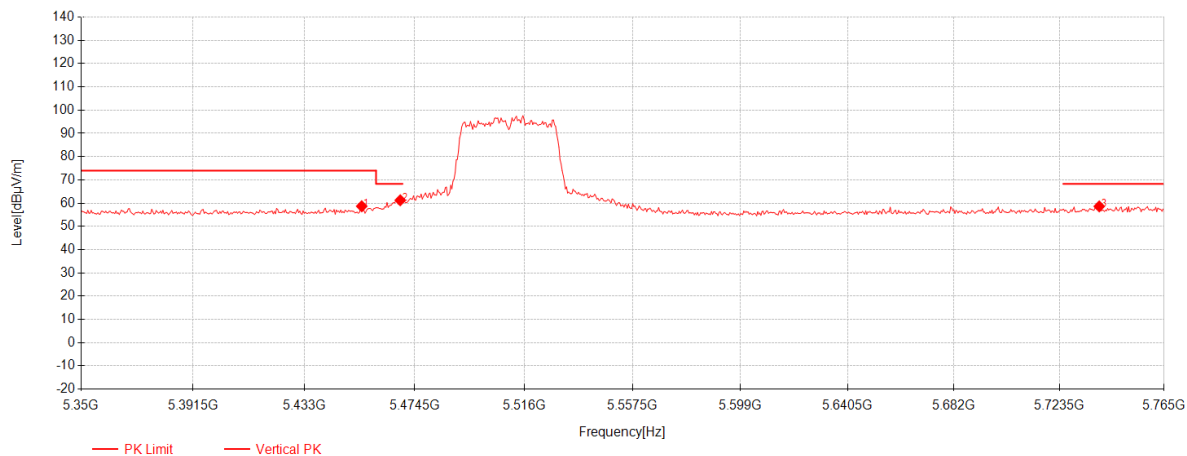
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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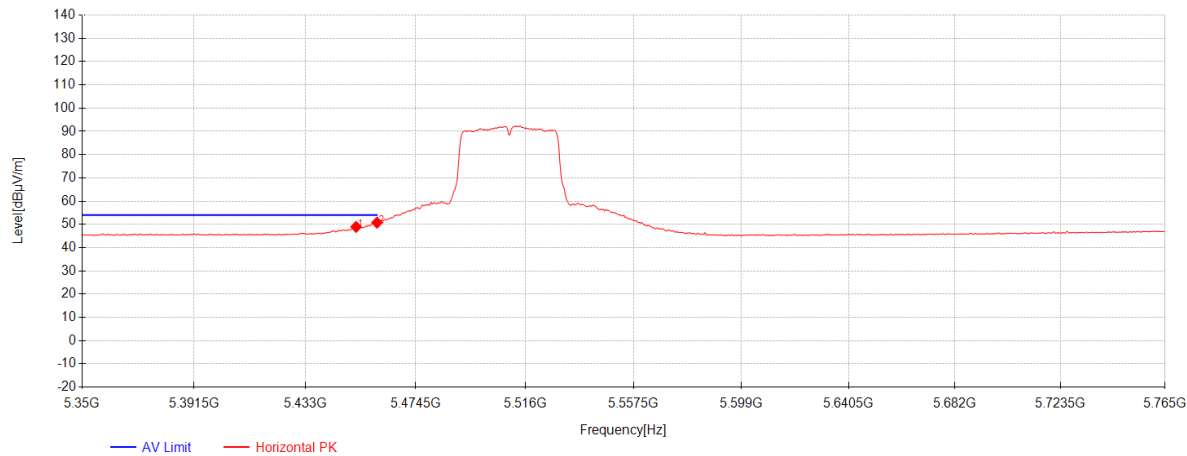
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1	5454.58	41.06	33.11	-15.51	58.66	74.00	15.34	Vertical
2	5469.105	43.55	33.11	-15.43	61.23	68.30	7.07	Vertical
3	5739.27	39.55	33.91	-14.86	58.60	68.30	9.70	Vertical



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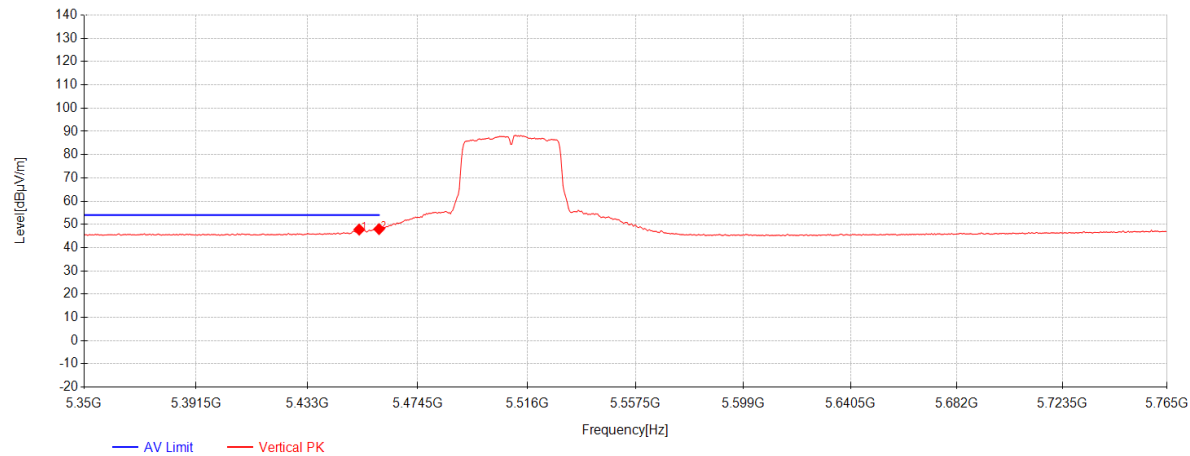
Data List								
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1	5452.09	31.33	33.11	-15.52	48.92	54.00	5.08	Horizontal
2	5459.975	33.12	33.11	-15.48	50.75	54.00	3.25	Horizontal



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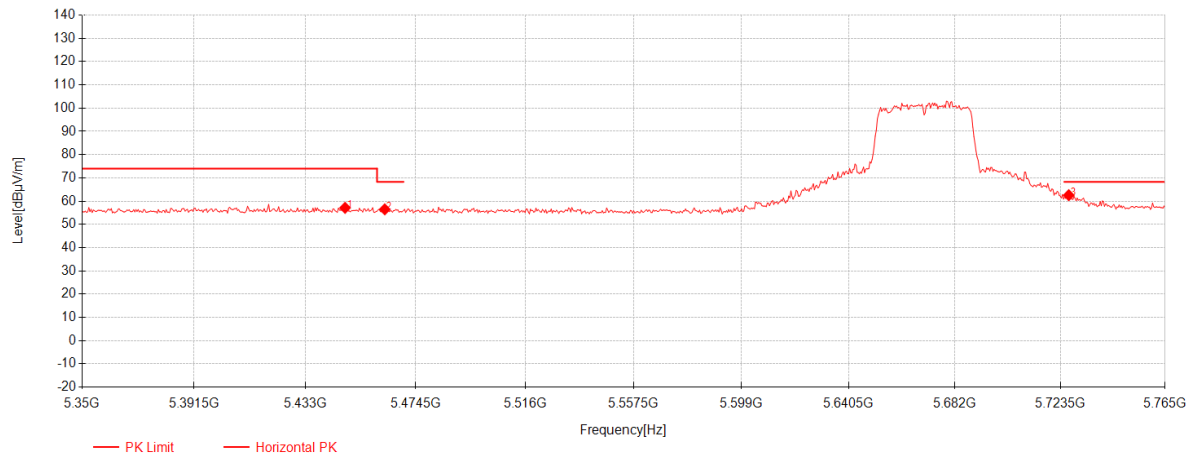
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1	5452.505	30.19	33.11	-15.52	47.78	54.00	6.22	Vertical
2	5459.975	30.34	33.11	-15.48	47.97	54.00	6.03	Vertical



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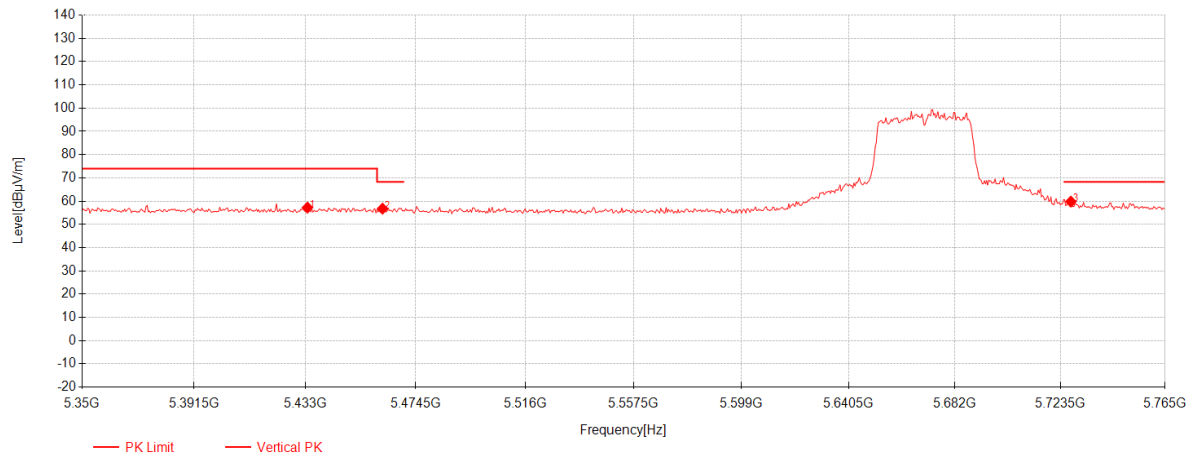
Data List								
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1	5447.94	39.55	33.11	-15.55	57.11	74.00	16.89	Horizontal
2	5462.88	38.82	33.11	-15.46	56.47	68.30	11.83	Horizontal
3	5726.82	43.63	33.87	-14.95	62.55	68.30	5.75	Horizontal



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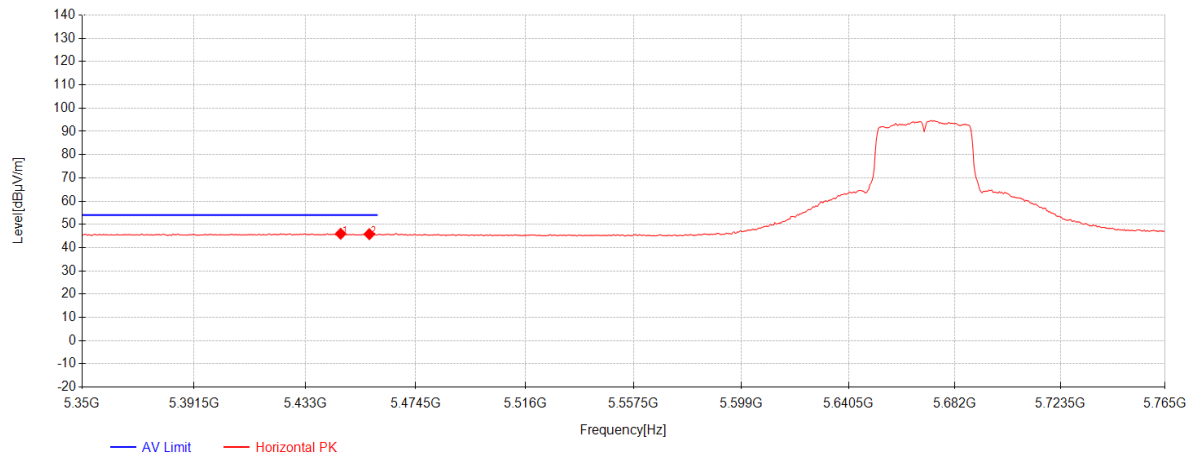
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5433.83	39.72	33.11	-15.63	57.21	74.00	16.79	Vertical
2	5462.05	39.14	33.11	-15.47	56.78	68.30	11.52	Vertical
3	5727.65	40.87	33.87	-14.94	59.80	68.30	8.50	Vertical



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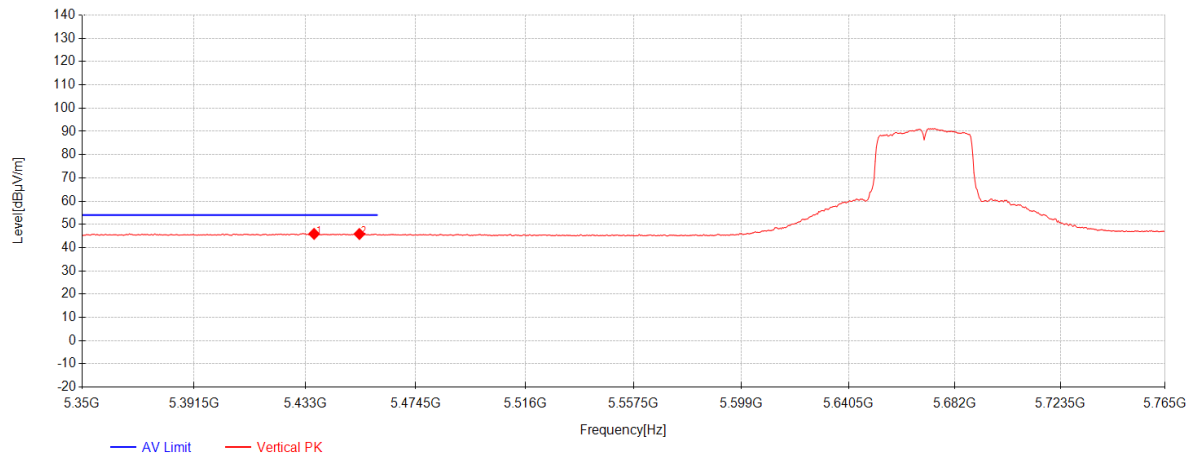
Data List								
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1	5446.28	28.41	33.11	-15.56	45.96	54.00	8.04	Horizontal
2	5457.07	28.18	33.11	-15.49	45.79	54.00	8.21	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5436.32	28.41	33.11	-15.61	45.91	54.00	8.09	Vertical
2	5453.335	28.27	33.11	-15.52	45.86	54.00	8.14	Vertical



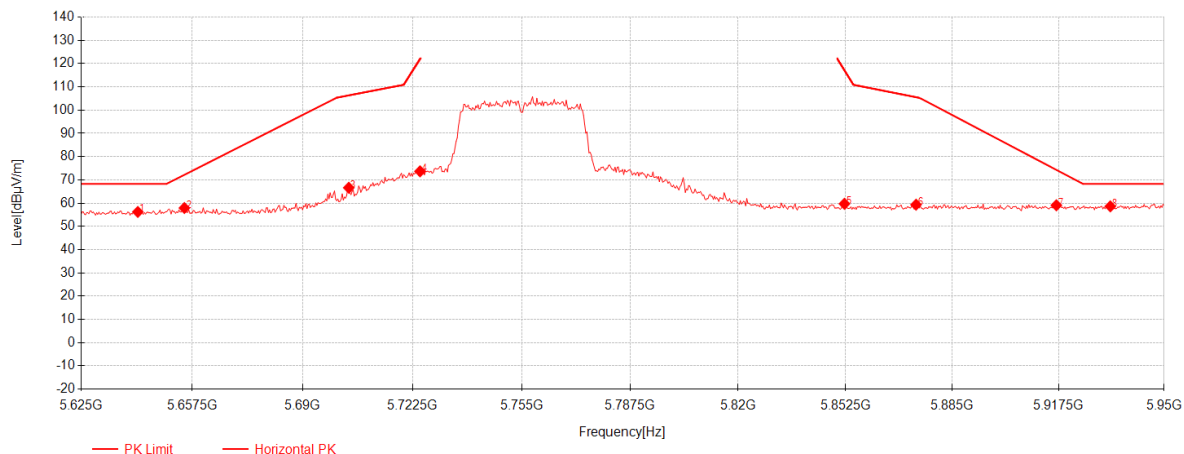
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.575	37.87	33.58	-15.24	56.22	68.30	12.08	Horizontal
2	5655.225	39.49	33.63	-15.21	57.91	72.18	14.27	Horizontal
3	5703.65	47.92	33.79	-15.11	66.61	106.32	39.71	Horizontal
4	5724.775	54.78	33.86	-14.96	73.68	121.79	48.11	Horizontal
5	5852.175	39.90	34.30	-14.49	59.71	117.34	57.63	Horizontal
6	5873.95	39.48	34.37	-14.51	59.34	105.59	46.25	Horizontal
7	5916.85	39.09	34.52	-14.54	59.07	74.31	15.24	Horizontal
8	5933.425	38.58	34.57	-14.54	58.61	68.30	9.69	Horizontal



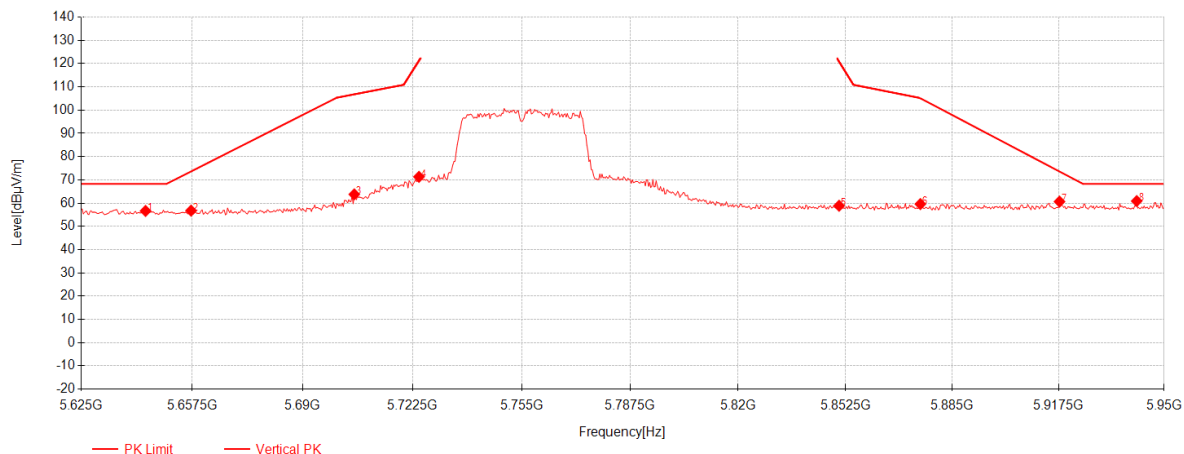
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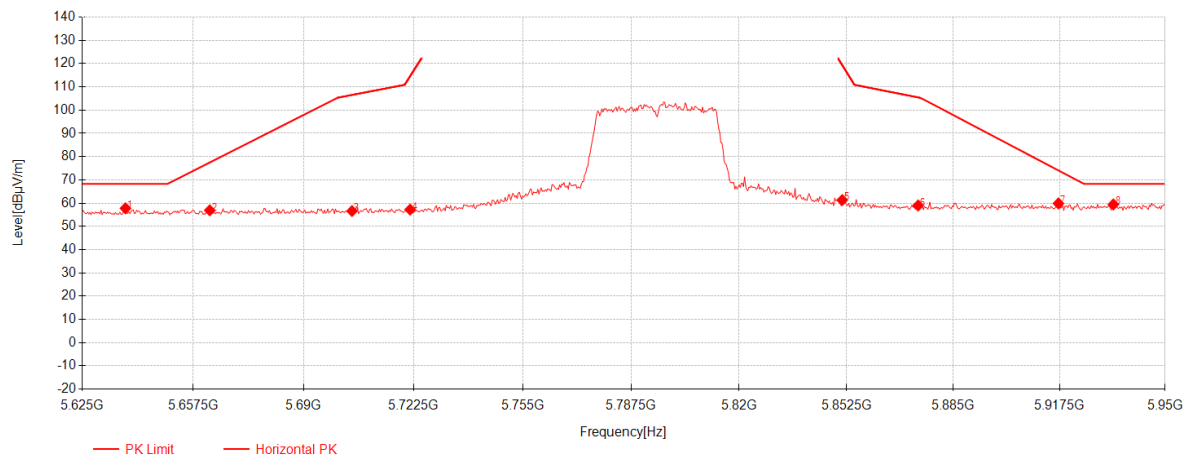
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1	5643.85	38.28	33.59	-15.23	56.64	68.30	11.66	Vertical
2	5657.175	38.35	33.63	-15.21	56.78	73.63	16.85	Vertical
3	5705.275	45.09	33.80	-15.09	63.79	106.78	42.99	Vertical
4	5724.45	52.42	33.86	-14.96	71.32	121.05	49.73	Vertical
5	5850.55	39.07	34.29	-14.49	58.87	121.05	62.18	Vertical
6	5875.25	39.73	34.38	-14.51	59.60	105.11	45.51	Vertical
7	5917.825	40.67	34.52	-14.54	60.66	73.59	12.93	Vertical
8	5941.55	40.84	34.60	-14.54	60.90	68.30	7.40	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5637.675	39.45	33.57	-15.24	57.78	68.30	10.52	Horizontal
2	5662.375	38.46	33.65	-15.20	56.91	77.49	20.58	Horizontal
3	5704.3	37.91	33.79	-15.10	56.60	106.51	49.91	Horizontal
4	5721.525	38.35	33.85	-14.98	57.22	114.38	57.16	Horizontal
5	5851.2	41.54	34.29	-14.49	61.34	119.56	58.22	Horizontal
6	5874.275	39.13	34.37	-14.51	58.99	105.50	46.51	Horizontal
7	5917.175	39.89	34.52	-14.54	59.87	74.07	14.20	Horizontal
8	5934.075	39.40	34.58	-14.54	59.44	68.30	8.86	Horizontal



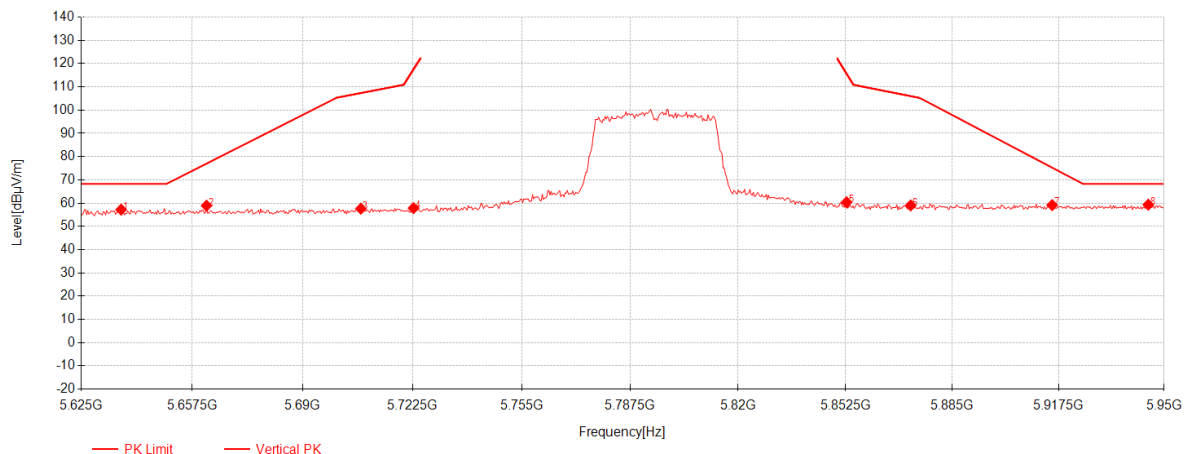
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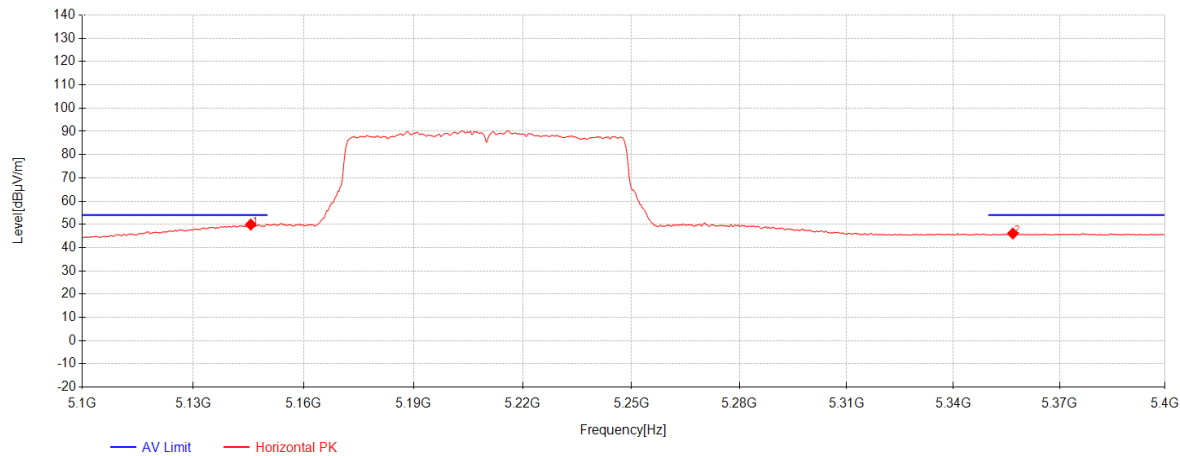
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1	5636.7	38.88	33.56	-15.24	57.20	68.30	11.10	Vertical
2	5661.725	40.48	33.65	-15.20	58.93	77.01	18.08	Vertical
3	5707.225	38.90	33.80	-15.08	57.62	107.33	49.71	Vertical
4	5722.825	38.96	33.86	-14.97	57.84	117.34	59.50	Vertical
5	5852.825	40.58	34.30	-14.49	60.39	115.86	55.47	Vertical
6	5872.325	39.15	34.37	-14.51	59.01	106.05	47.04	Vertical
7	5915.55	39.16	34.51	-14.53	59.14	75.27	16.13	Vertical
8	5945.125	39.26	34.61	-14.54	59.33	68.30	8.97	Vertical



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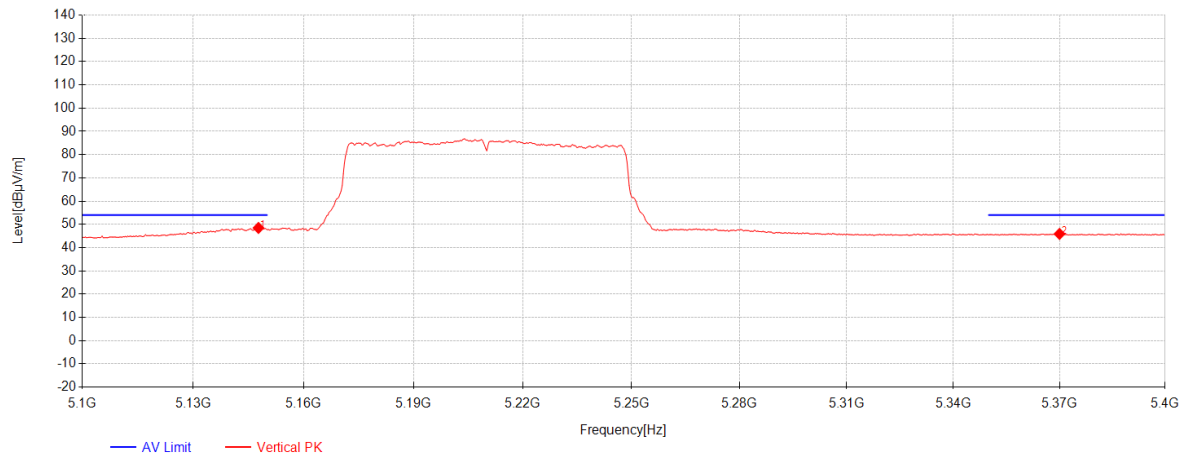
Data List								
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1	5145.6	32.84	33.17	-16.07	49.94	54.00	4.06	Horizontal
2	5356.8	28.75	33.13	-15.80	46.08	54.00	7.92	Horizontal



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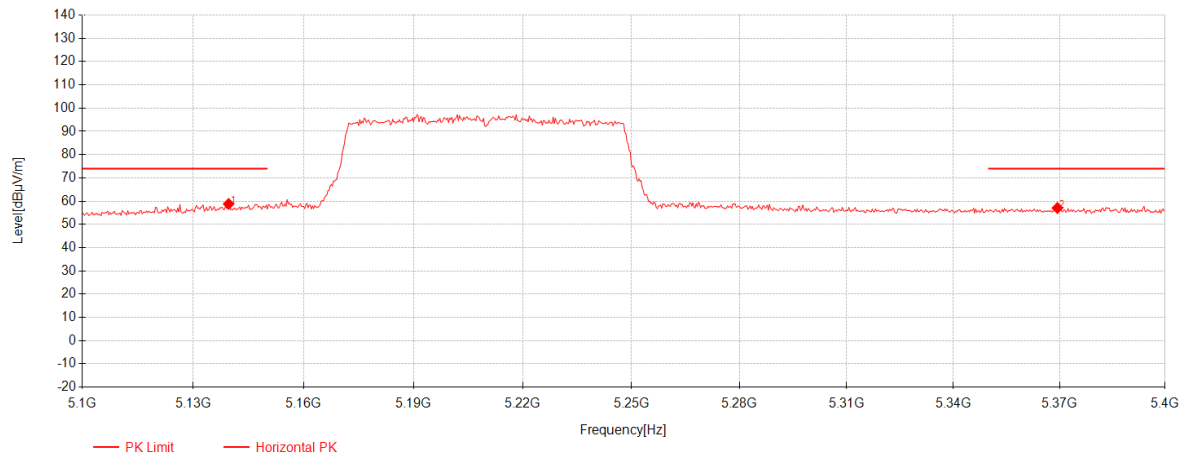
Data List								
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1	5147.7	31.37	33.17	-16.07	48.47	54.00	5.53	Vertical
2	5370	28.58	33.13	-15.81	45.90	54.00	8.10	Vertical



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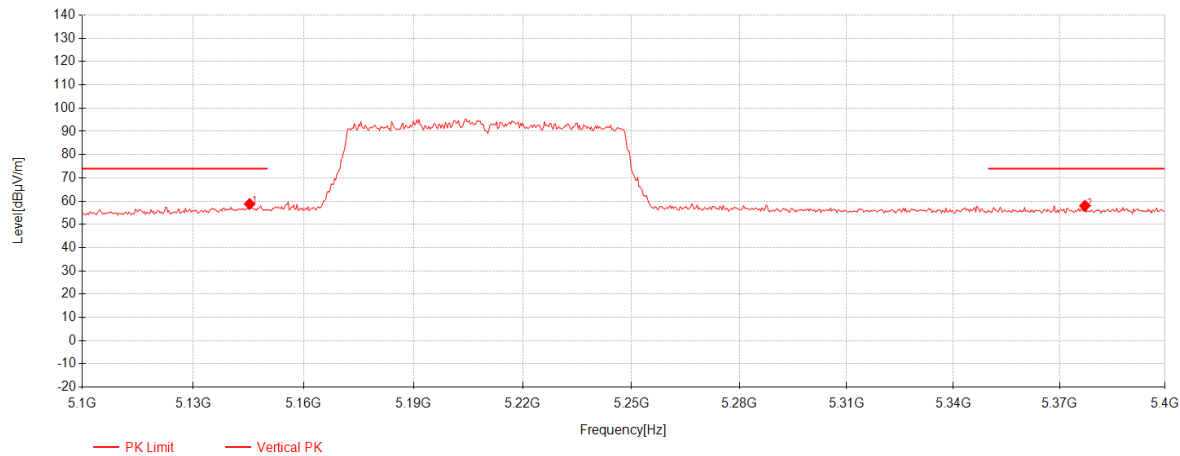
Data List								
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1	5139.6	41.70	33.17	-16.08	58.79	74.00	15.21	Horizontal
2	5369.4	39.72	33.13	-15.80	57.04	74.00	16.96	Horizontal



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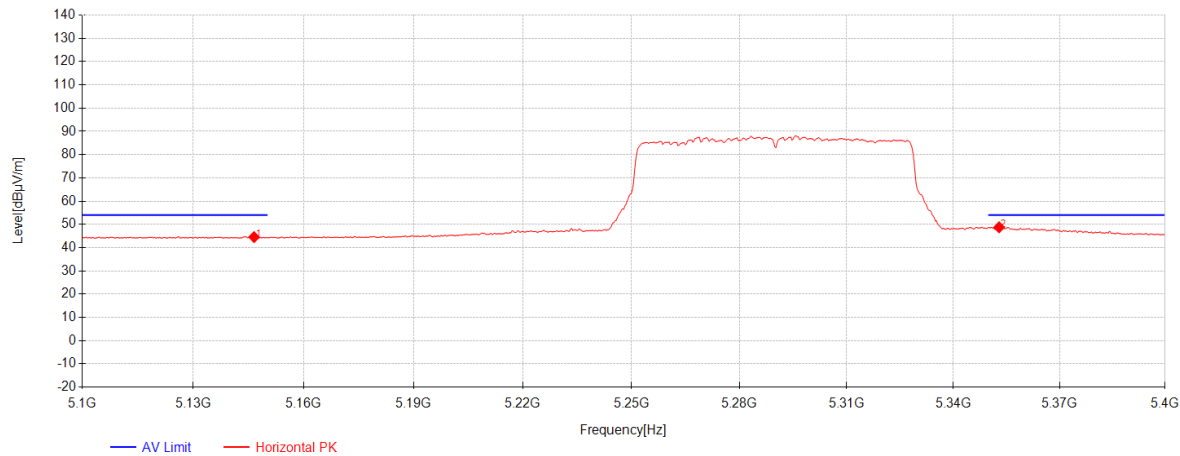
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.3	41.65	33.17	-16.07	58.75	74.00	15.25	Vertical
2	5377.2	40.67	33.12	-15.81	57.99	74.00	16.01	Vertical



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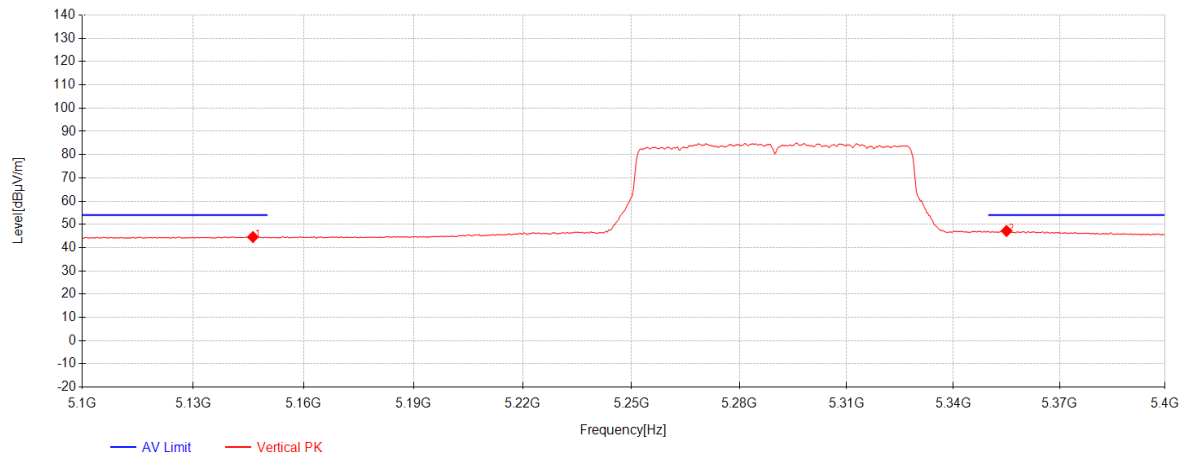
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1	5146.5	27.43	33.17	-16.07	44.53	54.00	9.47	Horizontal
2	5352.9	31.41	33.13	-15.80	48.74	54.00	5.26	Horizontal



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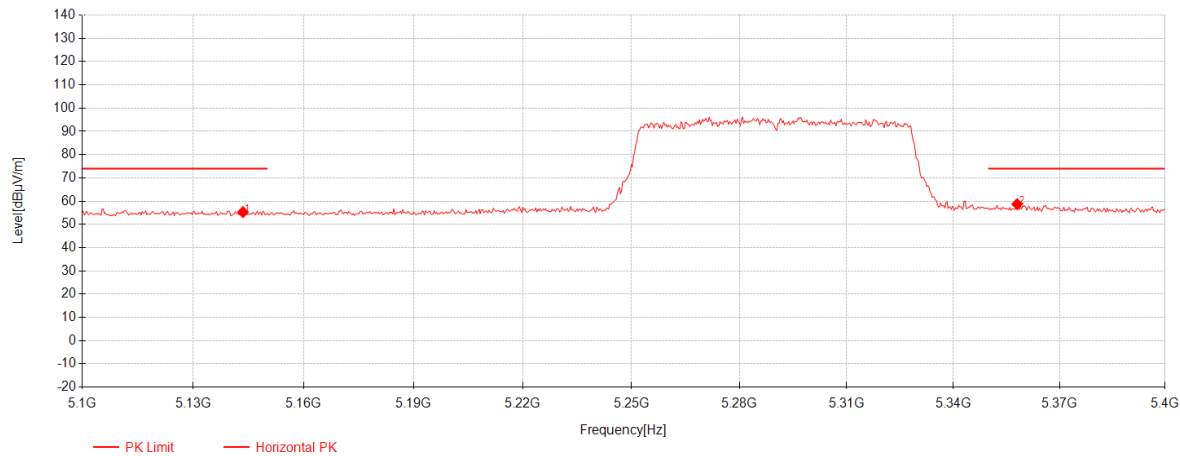
Data List								
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1	5146.2	27.46	33.17	-16.07	44.56	54.00	9.44	Vertical
2	5355	29.83	33.13	-15.80	47.16	54.00	6.84	Vertical



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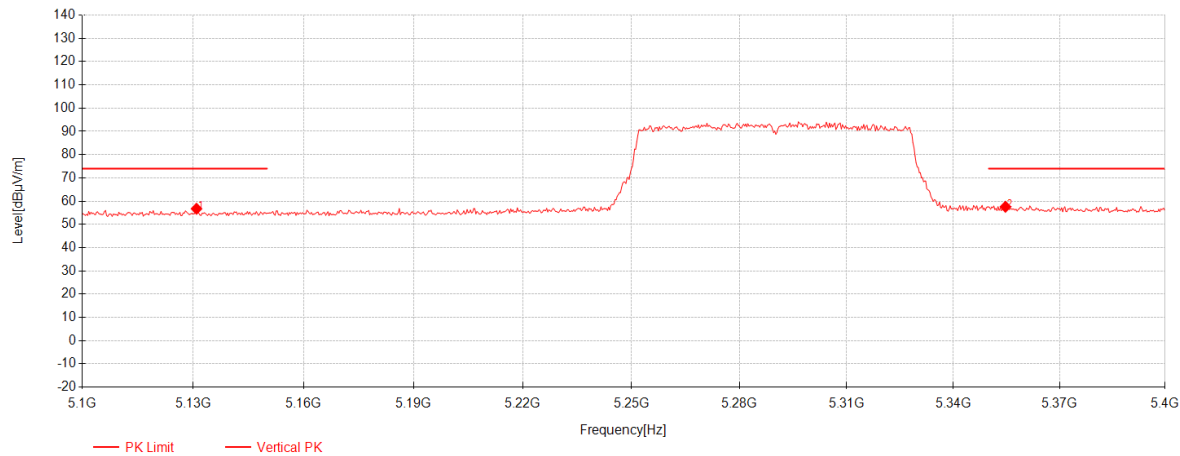
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.5	38.19	33.17	-16.08	55.29	74.00	18.71	Horizontal
2	5358	41.39	33.13	-15.80	58.72	74.00	15.28	Horizontal



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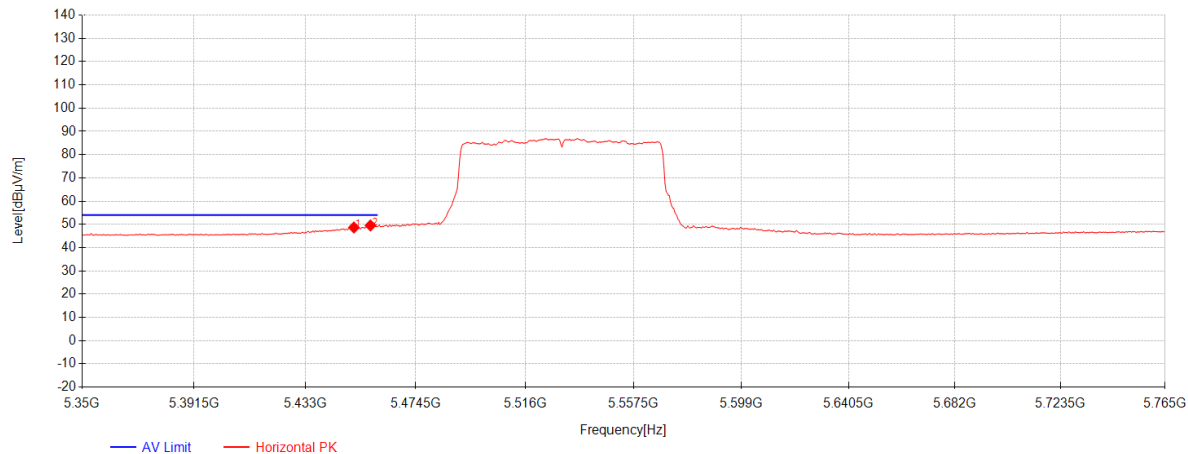
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1	5130.9	39.64	33.17	-16.10	56.72	74.00	17.28	Vertical
2	5354.7	40.25	33.13	-15.80	57.58	74.00	16.42	Vertical



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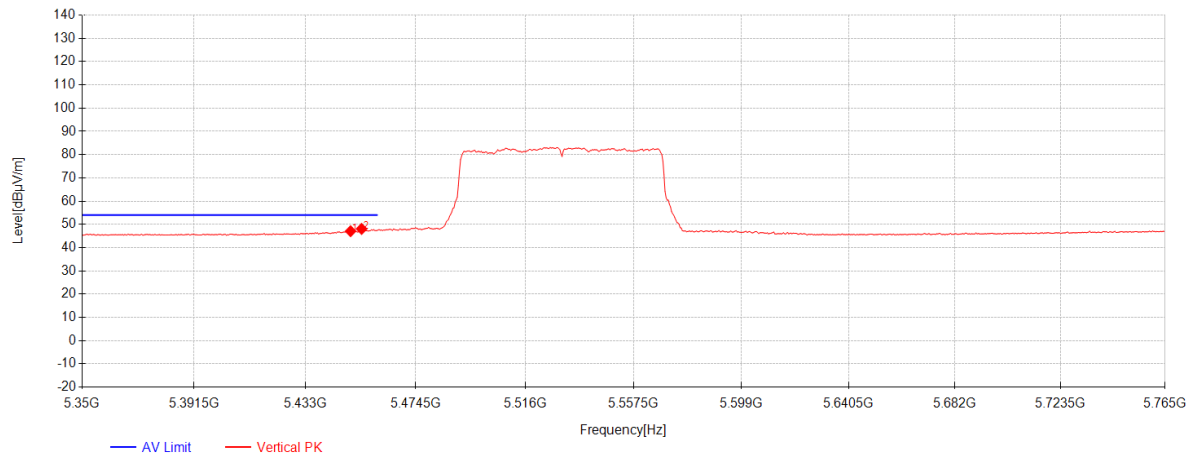
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5451.26	31.08	33.11	-15.53	48.66	54.00	5.34	Horizontal
2	5457.485	31.91	33.11	-15.49	49.53	54.00	4.47	Horizontal



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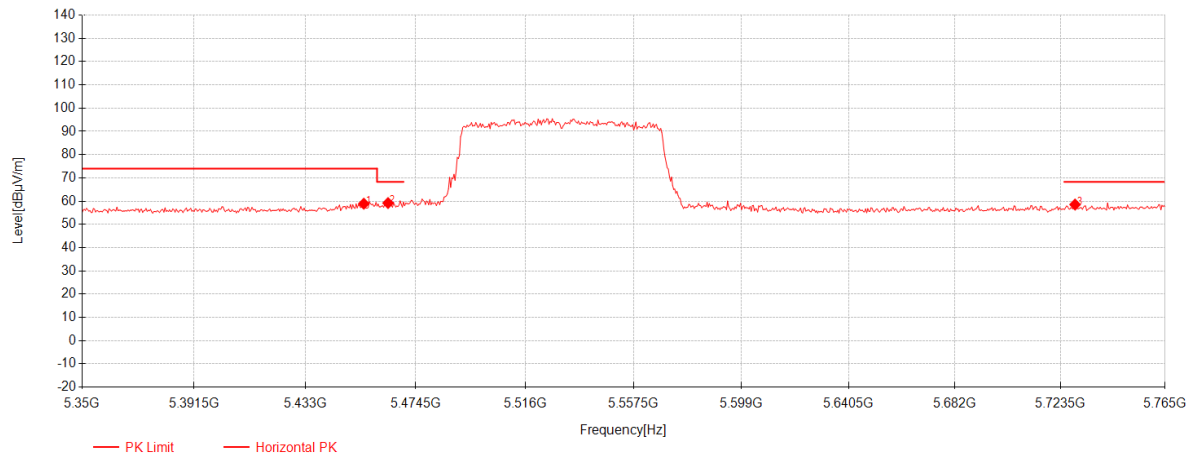
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5450.015	29.49	33.11	-15.53	47.07	54.00	6.93	Vertical
2	5454.165	30.45	33.11	-15.51	48.05	54.00	5.95	Vertical



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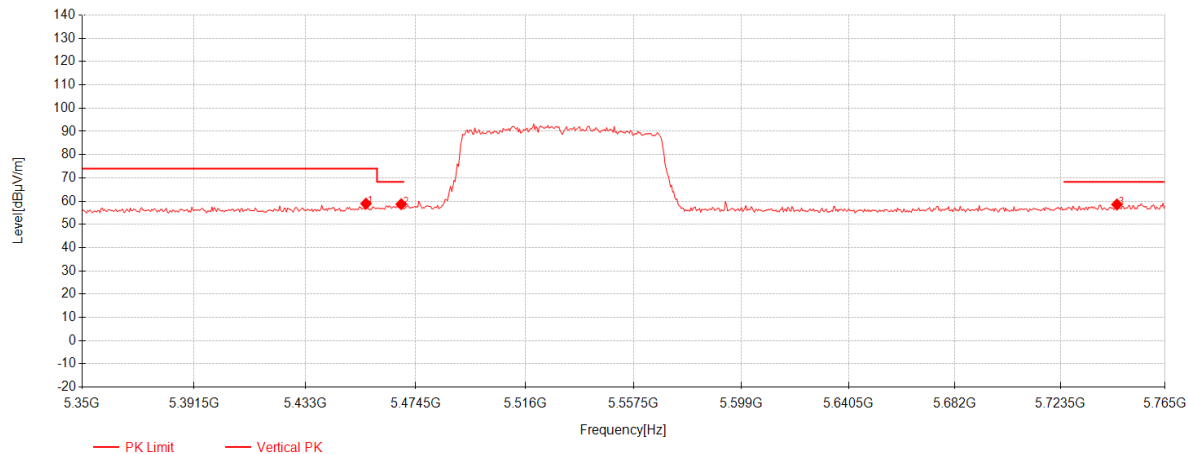
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1	5454.995	41.31	33.11	-15.51	58.91	74.00	15.09	Horizontal
2	5464.125	41.51	33.11	-15.45	59.16	68.30	9.14	Horizontal
3	5729.31	39.57	33.88	-14.93	58.52	68.30	9.78	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5455.825	41.33	33.11	-15.50	58.94	74.00	15.06	Vertical
2	5469.105	41.00	33.11	-15.43	58.68	68.30	9.62	Vertical
3	5745.91	39.44	33.94	-14.82	58.56	68.30	9.74	Vertical



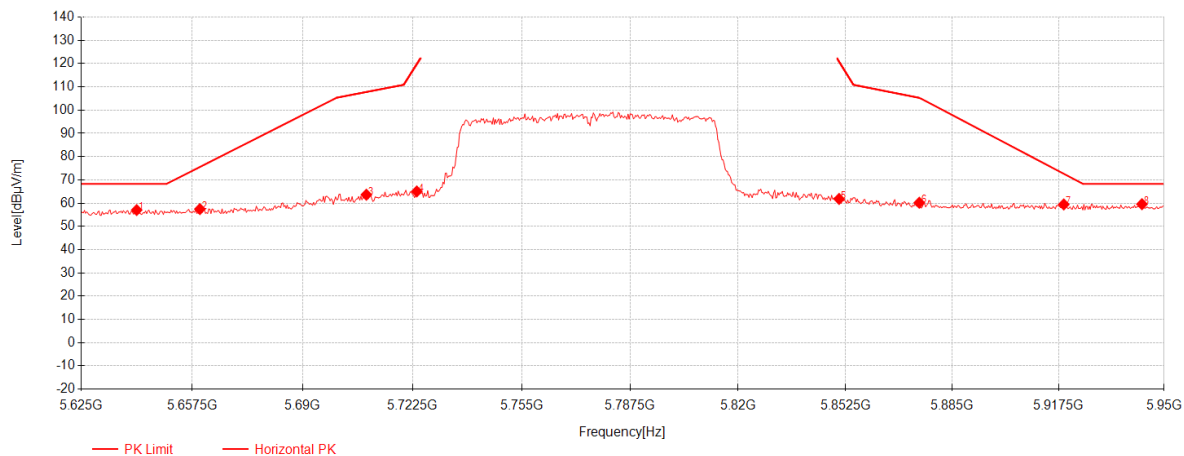
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.25	38.68	33.58	-15.24	57.02	68.30	11.28	Horizontal
2	5659.775	39.00	33.64	-15.20	57.44	75.56	18.12	Horizontal
3	5708.85	44.87	33.81	-15.07	63.61	107.78	44.17	Horizontal
4	5723.8	46.14	33.86	-14.97	65.03	119.56	54.53	Horizontal
5	5850.55	42.02	34.29	-14.49	61.82	121.05	59.23	Horizontal
6	5874.925	40.32	34.37	-14.51	60.18	105.32	45.14	Horizontal
7	5919.125	39.45	34.53	-14.54	59.44	72.63	13.19	Horizontal
8	5943.175	39.49	34.61	-14.54	59.55	68.30	8.75	Horizontal



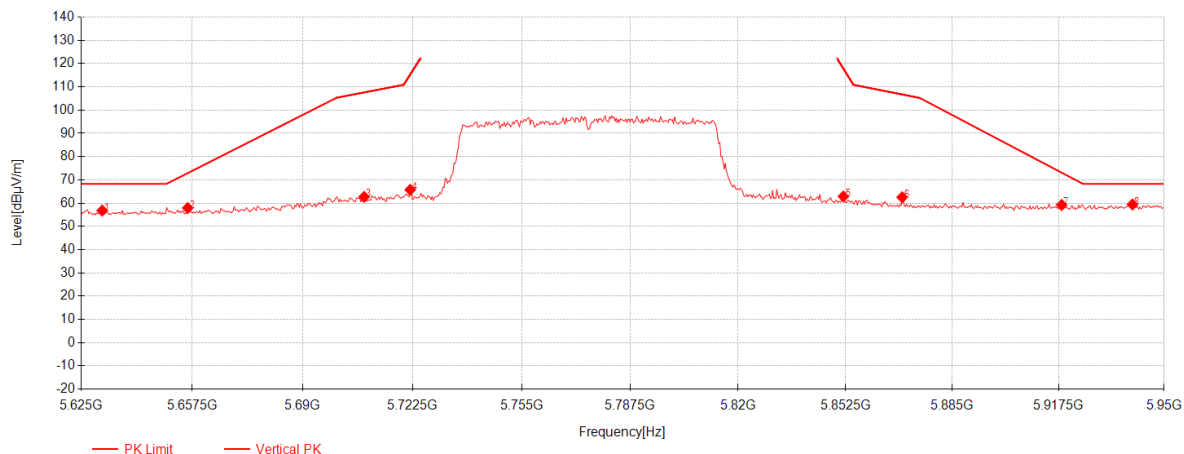
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5631.175	38.51	33.55	-15.25	56.80	68.30	11.50	Vertical
2	5656.2	39.49	33.63	-15.21	57.91	72.91	15.00	Vertical
3	5708.2	43.98	33.81	-15.07	62.71	107.60	44.89	Vertical
4	5721.85	46.87	33.85	-14.98	65.74	115.12	49.38	Vertical
5	5851.85	43.07	34.30	-14.49	62.87	118.08	55.21	Vertical
6	5869.725	42.66	34.36	-14.51	62.51	106.78	44.27	Vertical
7	5918.475	39.22	34.52	-14.54	59.21	73.11	13.90	Vertical
8	5940.25	39.35	34.60	-14.54	59.40	68.30	8.90	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Level(dBμV/m)
- Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---