

Test report No:
2640209R.703

FCC TEST REPORT

Product Name	DAS Gripper
Model and /or type reference	G401
Trademark	Genrobot.AI
FCC ID	2BX5WG401
Applicant's name / address	GENROBOT. AI CO.,LTD 109-1, 1st Floor, Building C, Zhongguancun Zhizao Street, No. 45 Chengfu Road, Haidian District, Beijing
Test method requested, standard	47 CFR FCC Part 15 (Section 15.407) ANSI C63.10: 2020
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Reyn Chen / Supervisor 
Approved by (name / position & signature)	Well Wei / Manager 
Date of issue	2026-09-21
Report Version	V1.0
Report template No	Template_FCC Part 15E-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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GENERAL CONDITIONS

Test Location	Room 101, 1/F., Building 7, Smart Science Park Phase 5. No. 8213, Fanhua Avenue, Economic and Technological Development Zone, Hefei, Anhui, China
Date(receive sample)	May. 09, 2026
Date (start test)	May. 29, 2026
Date (finish test)	Aug. 23, 2026

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
T_x	: Transmitter
R_x	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2640209R.703	V1.0	Initial issue of report.	2026-09-21

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.407).
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Channel List;

USED EQUIPMENT

Conducted Test/ SR103

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Firmware Version	Software Version
Constant temperature and humidity chamber	Chuang Cexing	CCX-KS80DH	0005037	2026.05.11	2027.05.10	N/A	N/A
Wideband Radio Communication Tester	R&S	CMW 500	163864	2026.05.08	2027.05.07	V 4.0.60	N/A
MAX Signal Analyzer	Keysight	N9020A	MY56060147	2025.06.20	2026.06.19	A.17.55	N/A
MAX Signal Analyzer	Keysight	N9020A	MY56060147	2026.06.17	2027.06.16	A.17.55	N/A
RF Control Unit	Tonscend	JS0806-2	806JS2X02 1710251017	2025.06.29	2026.06.28	N/A	N/A
RF Control Unit	Tonscend	JS0806-2	806JS2X02 1710251017	2026.06.23	2027.06.22	N/A	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.6.21
Temperature/Humidity Meter	RITERS	RTS-8S	034	2025.08.25	2026.08.24	N/A	N/A

Radiated Emission(9KHz-1GHz) / AC102

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
Bilog Antenna	TESEQ	CBL6112D	57867	2025.10.27	2026.10.26	N/A	N/A
Loop Antenna	R&S	HFH2-Z2E	101181	2025.10.24	2026.10.23	N/A	N/A
EMI test receiver	R&S	ESR7	102753	2026.05.07	2027.05.06	V3.66SP1	
Temperature/ Humidity Meter	RTS-8S	RTS-8S	013	2025.08.29	2026.08.28	N/A	N/A
Temperature/ Humidity Meter	RTS-8S	RTS-8S	015	2025.08.25	2026.08.24	N/A	N/A
Test Software	TS+	TS Testing System	N/A	N/A	N/A	N/A	V1.0

Radiated Emission (1GHz-40GHz) / AC103

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Firmware Version	Software Version
MAX Signal Analyzer	Keysight	N9020B	MY63490118	2025.08.08	2026.08.07	A35.06	N/A
MAX Signal Analyzer	Keysight	N9020B	MY63490118	2026.08.02	2027.08.01	A35.06	N/A
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2025.10.19	2026.10.18	N/A	N/A
Low Noise Amplifier	Tonscend	TAP01018048S	AP23J8060307	2025.10.17	2026.10.16	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2025.10.18	2026.10.17	N/A	N/A
Low Noise Amplifier	ESE	LNA1840	LNA23070301	2025.10.17	2026.10.16	N/A	N/A
Temperature/Humidity Meter	RITERS	RTS-8S	029	2025.08.25	2026.08.24	N/A	N/A
Temperature/Humidity Meter	RITERS	RTS-8S	010	2025.08.25	2026.08.24	N/A	N/A
Test Software	Tonscend	J536	JS36-RSE	N/A	N/A	N/A	5.0.0

AC Power Line Conducted Emission / SR104

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Firmware Version	Software Version
V-network	R&S	ENV216	101516	2026.05.10	2027.05.09	N/A	N/A
EMI test receiver	R&S	ESR3	103140	2026.05.08	2027.05.07	N/A	N/A
V-LISN	R&S	ENV4200	100748	2026.05.10	2027.05.09	N/A	N/A
cable	R&S	N/A	213	2026.05.10	2027.05.09	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Test item	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.8 dB 150kHz~30MHz: 2.4 dB
Power Output	± 1.3 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~300MHz: 3.5 dB, 300MHz~1GHz: 3.6 dB Vertical: 30MHz~300MHz: 3.6 dB, 300MHz~1GHz: 3.5 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~40GHz: 5.0 dB Vertical: 1GHz~40GHz: 4.8 dB
RF antenna conducted test	± 1.3 dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 1.0 kHz
Occupied Bandwidth	± 1.0 kHz
Power Density	± 1.3 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name:	DAS Gripper	
Model Name:	G401	
Trademark.:	Genrobot.AI	
FCC ID:	2BX5WG401	
Power Supply:	3.6V Battery	
Hardware Version:	V4.0	
Software Version:	0.0.55	
Manufacturer:	GENROBOT. AI CO.,LTD	
Manufacturer Address:	109-1, 1st Floor, Building C, Zhongguancun Zhizao Street, No. 45 Chengfu Road, Haidian District, Beijing	
Test Matrix/ IMEI:	RF Conducted	#1
	RSE	#2
Wireless specification:	802.11a/n/ac	
Operating frequency range(s):	5.2GHz: 5150 ~ 5250MHz 5.8GHz: 5725 ~ 5850MHz	
Type of Modulation:	802.11a:OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n:OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac:OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)	
Smart System:	☒	SISO
	☐	MIMO-CDD
	☐	MIMO-Beamforming
Antenna Type:	FPC Antenna	
Antenna Gain:	5.0dBi	

Remark:

As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.

1.2 Channel List

802.11a/n/ac(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n/ac(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz	159	5795 MHz
802.11ac(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	N/A	N/A	N/A	N/A

Note: The General Description of the Item, Channel List in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Auxiliary equipment /Accessories/Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/A
software	Type / Version		
MobaXterm	N/A		

Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.2 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	Data Rate
802.11a	6Mbps
802.11n 20	MCS0(6.5 Mbps)
802.11n 40	MCS0(13.5 Mbps)
802.11ac 20	MCS0(6.5 Mbps)
802.11ac 40	MCS0(13.5 Mbps)
802.11ac 80	MCS0(29.3 Mbps)
Note:VHT20 / VHT40 covers HT20 / HT40 due tomodes are the same or lower than VHT20 / VIT40.similar modulation. The power setting of HT20 / HT40.	

2.3 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting
802.11a	36	5180	default
	44	5220	default
	48	5240	default
	149	5745	default
	157	5785	default
	165	5825	default
802.11ac(20MHz)	36	5180	default
	44	5220	default
	48	5240	default
	149	5745	default
	157	5785	default
	165	5825	default
802.11ac(40MHz)	38	5190	default
	46	5230	default
	151	5755	default
	159	5795	default
802.11ac(80MHz)	42	5210	default
	155	5775	default

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
FCC CFR Title 47 Part 15 Subpart E	2024	FCC CFR Title 47 Part 15 Subpart E
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	2017	This document provides guidance for determining emissions compliance of U-NII devices under Part 15, Subpart E of the FCC rules.

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.
(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

Requirement – Test case of FCC	Basic standard(s)	Verdict	Remark
Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.207	PASS	Test data please refer to Appendix A
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.209	PASS	Test data please refer to Appendix B
Emission bandwidth and occupied bandwidth	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	See Note3
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e)	PASS	See Note3
Duty cycle	ANSI C63.10:2020	PASS	See Note3
Power Output	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to Appendix C
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	See Note3
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: Section 15.205, 15.407(b)	PASS	Test data please refer to Appendix D
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(g)	PASS	See Note3
Antenna Requirement	FCC 15.203	PASS	---

Note1: This report is a limited report on the installation of a test module in the Host, and the customer declares that the RF parameters of the module installed in the host computer are exactly the same as those of the certified module. We verified the RF output power and radiated emissions of the equipment. For other test data, please refer to FCC ID: ZQ6-AP6256.

Note2: Only the AC Power Line Conducted Emission and Conducted Output Power and Band-Edge and Radiated Spurious were fully tested.

Note3: These items please refer to the FCC ID: ZQ6-AP6256 (has been certified), and the test report issued by Sporton International Inc. Hsinchu Laboratory on 5/13/2024.

Note4: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.

3.4 Test Facility

Tset Location	: FCC Designation Number: CN1321
---------------	----------------------------------

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 AC Power Line Conducted Emission

VERDICT: PASS

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207;	
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾]	Limit: AV [dB(μV) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

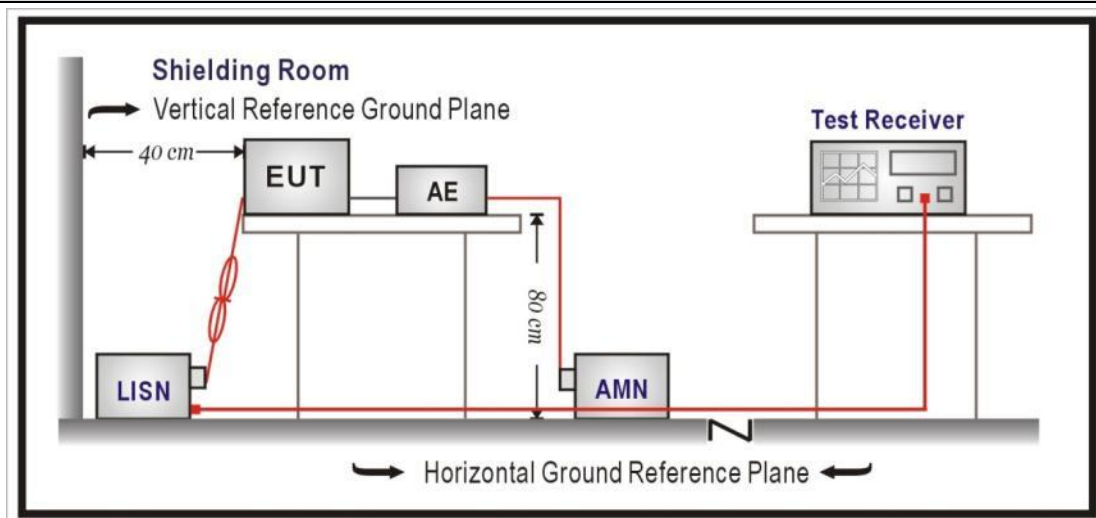
¹⁾ At the transition frequency, the lower limit applies.

²⁾ The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.1.2 Test Setup



4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.2 Radiated Emissions**VERDICT: PASS****4.2.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.205,

Restricted Bands of operation

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)

Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 ^(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 ^(Note 1)
1.705 - 30	30	29.5	30 ^(Note 1)
30 - 88	100	40	3 ^(Note 2)
88 - 216	150	43.5	3 ^(Note 2)
216 - 960	200	46	3 ^(Note 2)
Above 960	500	54	3 ^(Note 2)

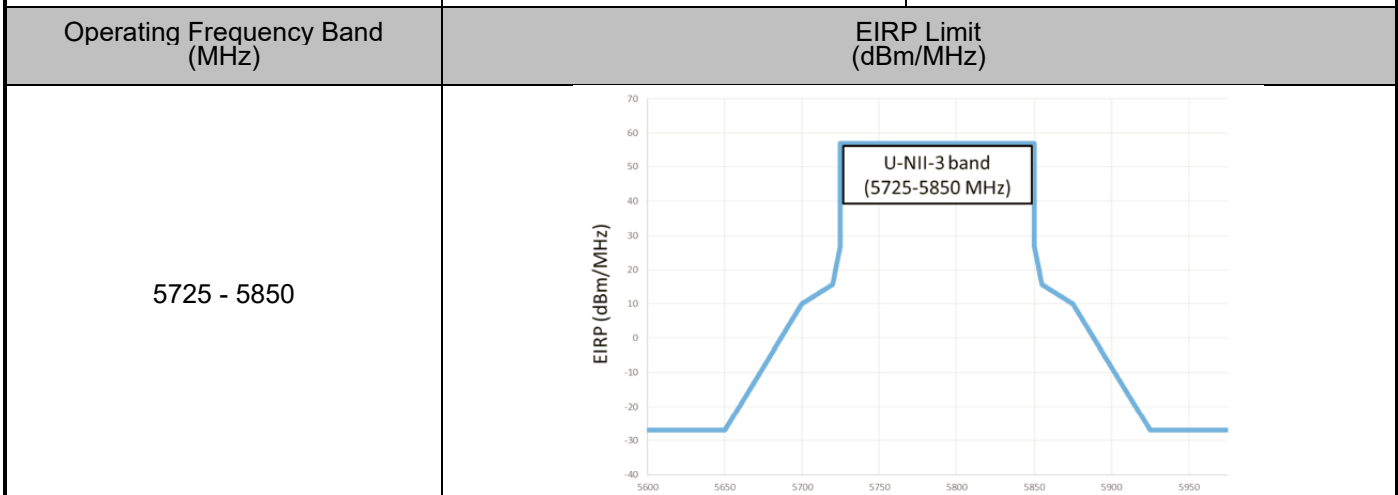
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment.

Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

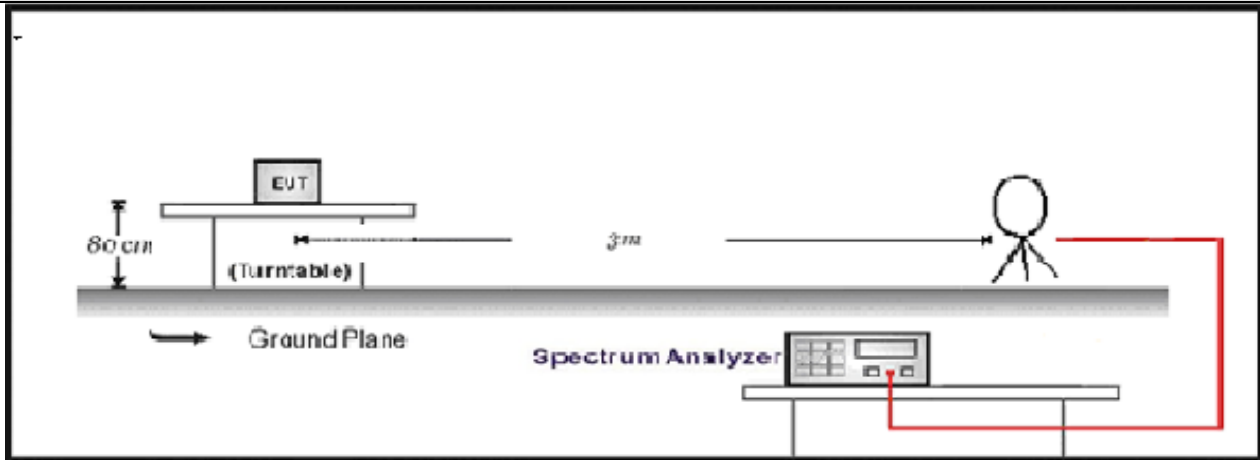
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit),

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3

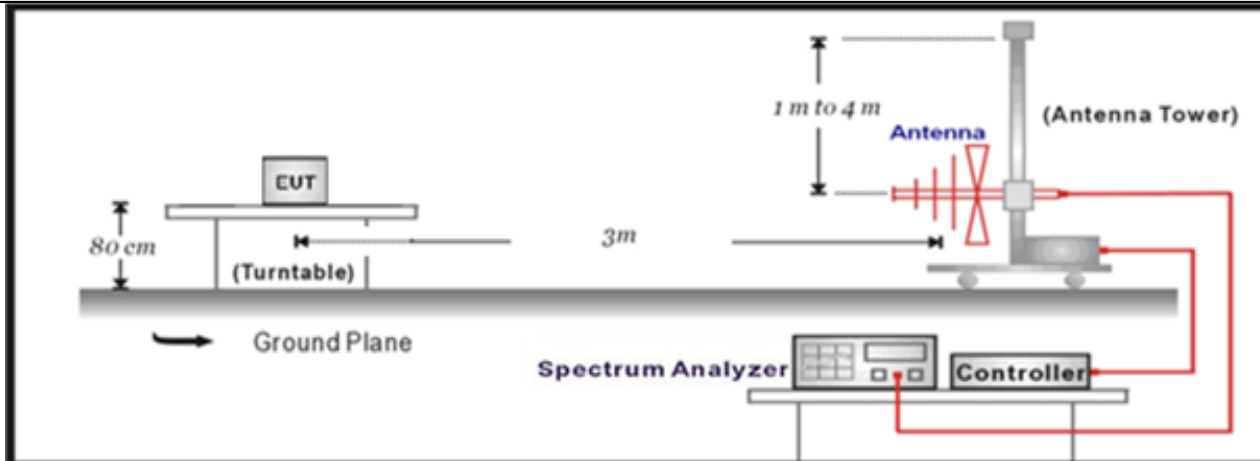


4.2.2 Test Setup

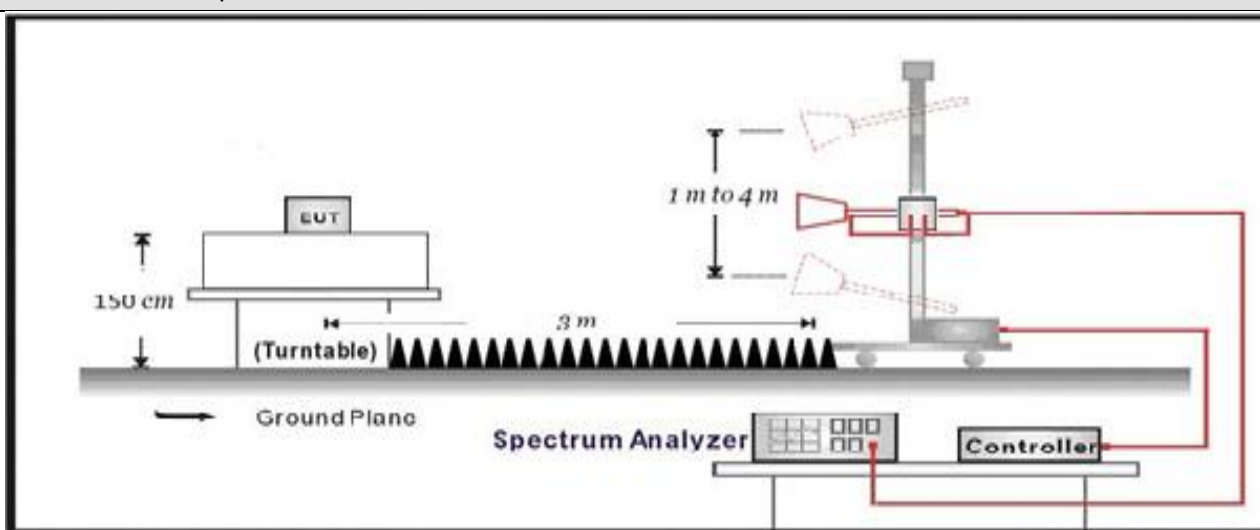
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.2.3 Test Procedure

Test Method			
	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
☒	ANSI C63.10	12.7.5	Radiated emission measurements
☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

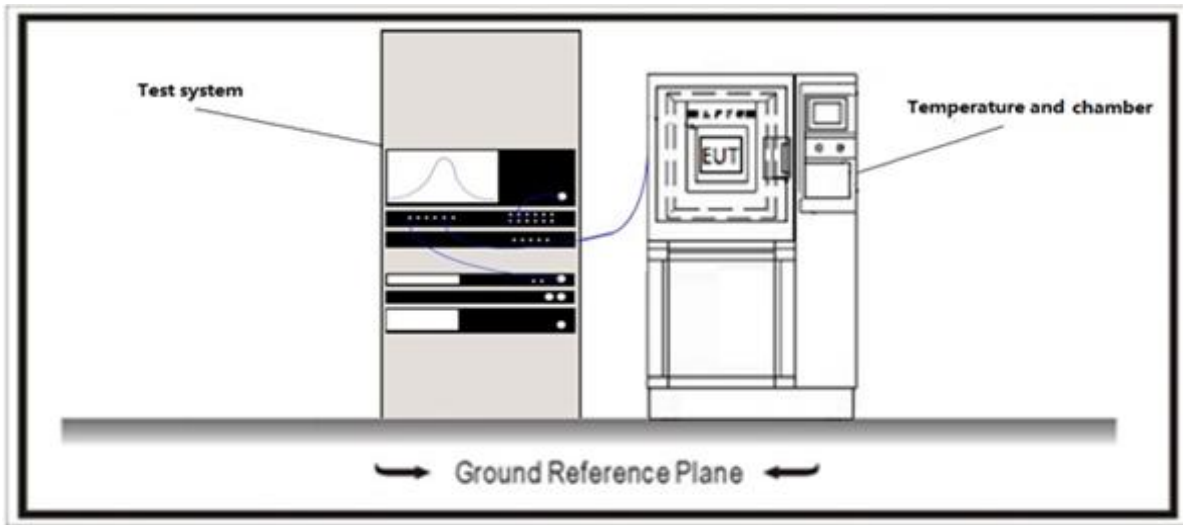
4.3 Power Output**VERDICT: PASS****4.3.1 Limit**

Standard		FCC Part 15 Subpart E Paragraph 15.407 (a)
☒	For the band 5.15-5.25 GHz	
☐	Outdoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$ and $\leq 125\text{mW}$ at any angle above 30 degrees	
☐	Indoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$	
☐	Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 23\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 23)$	
☒	Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 24 - (G_{TX} - 6)$	
☐	For the band 5.25-5.35 GHz:	
☒	The maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq (\text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \log B) - (G_{TX} - 6)$	
☐	For the 5.47-5.725 GHz:	
☒	The maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq (\text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \log B) - (G_{TX} - 6)$	
☒	For the band 5.725-5.85 GHz:	
☒	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6 \text{ dBi}$, then $P_{out} = 30 - (G_{TX} - 6)$	
☐	Point-to-point systems (P2P): the maximum conducted output power (P_{out}) shall not exceed the lesser of 1 W	

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum conducted output power .

4.3.2 Test Setup



4.3.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		12.4	Maximum conducted output power
	☐	ANSI C63.10	12.4.2	Maximum conducted output power measurement using a spectrum analyzer (SA) or EMI receiver
		☐ ANSI C63.10	12.4.2.2	Method SA-1
		☐ ANSI C63.10	12.4.2.3	Method SA-1A (alternative)
		☐ ANSI C63.10	12.4.2.4	Method SA-2
		☐ ANSI C63.10	12.4.2.5	Method SA-2A (alternative)
		☐ ANSI C63.10	12.4.2.6	Method SA-3
		☐ ANSI C63.10	12.4.2.7	Method SA-3A (alternative)
	☒	ANSI C63.10	12.4.3	Maximum conducted output power using a power meter
		☐ ANSI C63.10	12.4.3.1	Method PM
		☒ ANSI C63.10	12.4.3.2	Method PM-G

4.4 Radiated Emission Band Edge**VERDICT: PASS****4.4.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.205.

Restricted Bands of operation

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit).

Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note 2)
Above 960	500	54	3 _(Note 2)

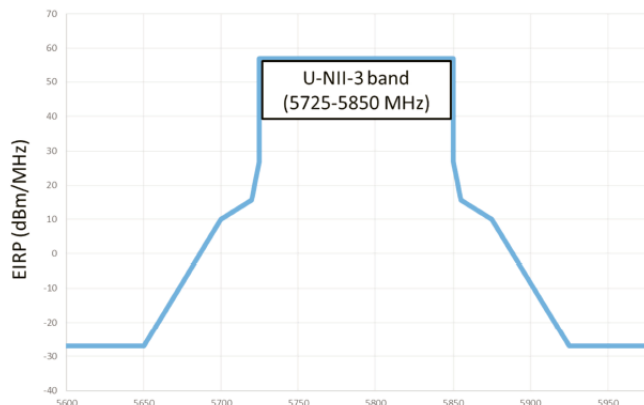
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment.

Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

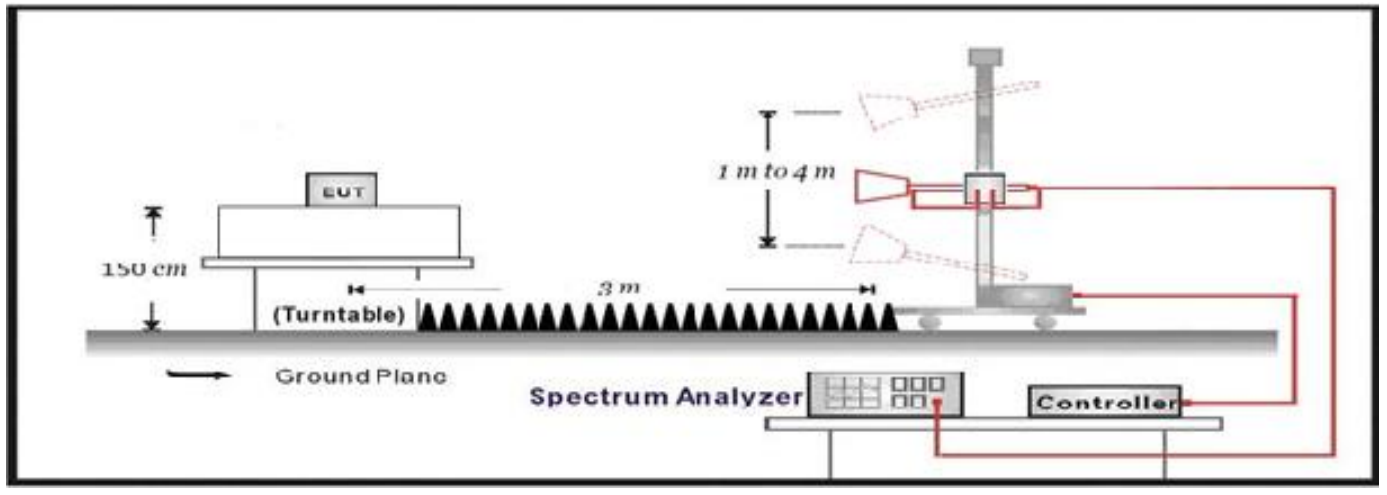
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit).

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)
5725 - 5850	 U-NII-3 band (5725-5850 MHz)

4.4.2 Test Setup

Above 1GHz Test Setup:



4.4.3 Test Procedure

	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
☐	ANSI C63.10	12.7.5	Radiated emission measurements
☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☐	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v02r01	G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v02r01	G.1	Unwanted Emissions in the Restricted Bands
☐	FCC KDB 789033 D02v02r01	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
☐	FCC KDB 789033 D02v02r01	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
☐	FCC KDB 789033 D02v02r01	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz



	☐	FCC KDB 789033 D02v02r01	G.6.c	Method AD (Average detection)—primary method
	☐	FCC KDB 789033 D02v02r01	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.5 Antenna Requirement**VERDICT: PASS****4.5.1 Limit:**

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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.5.2 Antenna Connector Construction:

- | | |
|-------------------------------------|--|
| ☒ | The use of a permanently attached antenna |
| ☐ | The antenna use of a unique coupling to the intentional radiator |
| ☐ | The use of a nonstandard antenna jack or electrical connector |

Please refer to the attached document "Internal Photograph" to show the antenna connector.

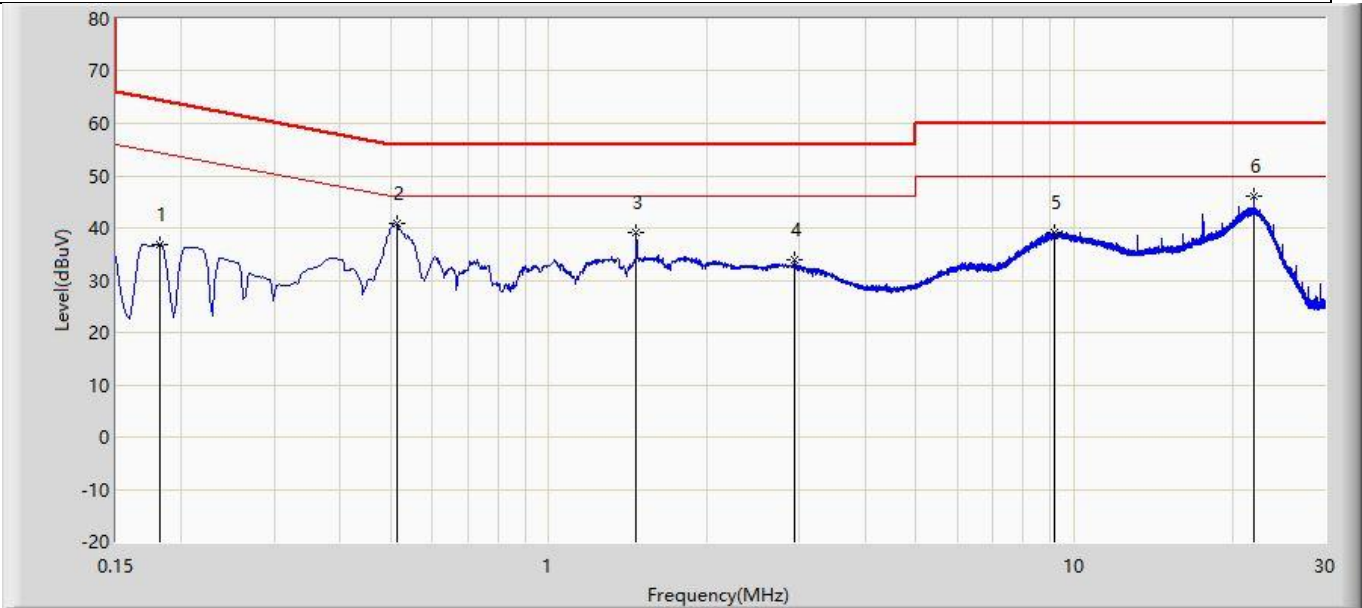
5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT

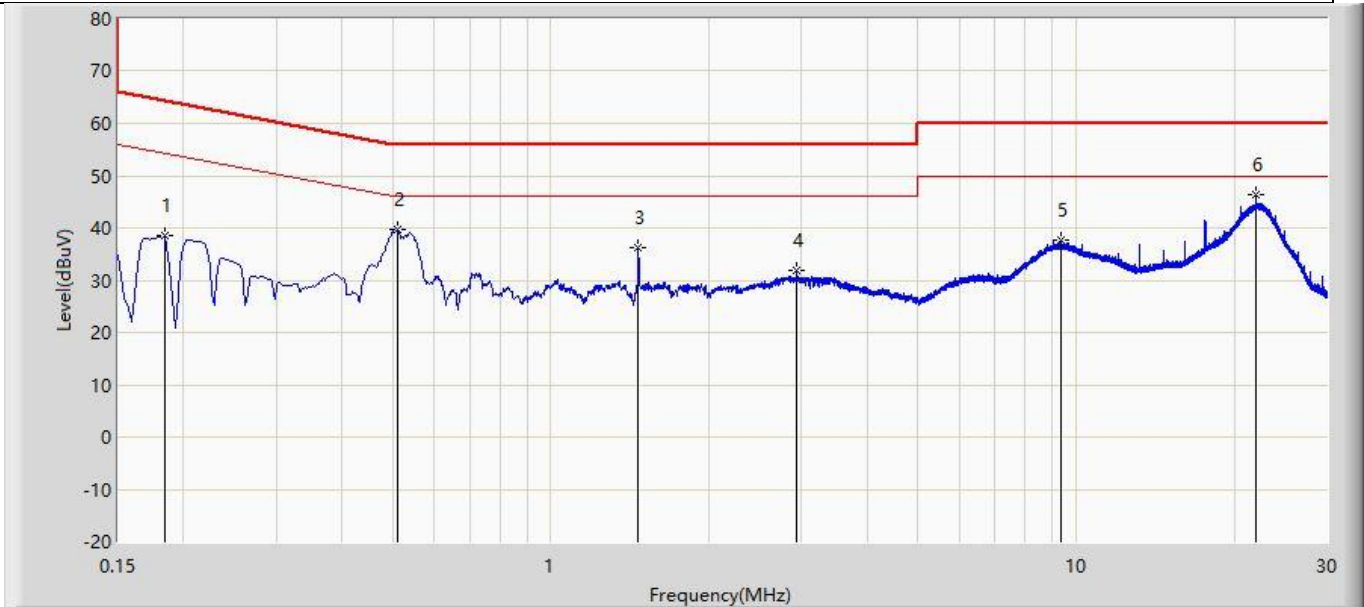
Appendix A: Conducted Emission

Profile: 2640209R	Page No.: 5
Limit: FCC 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: DAS Gripper	Power: AC 120V/60Hz
Note: Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.182	36.743	27.083	-27.651	64.394	9.660	QP
2		0.515	40.833	31.134	-15.167	56.000	9.700	QP
3		1.466	39.201	29.471	-16.799	56.000	9.731	QP
4		2.933	34.024	24.230	-21.976	56.000	9.794	QP
5		9.159	39.194	29.241	-20.806	60.000	9.953	QP
6	*	21.997	46.229	35.631	-13.771	60.000	10.598	QP

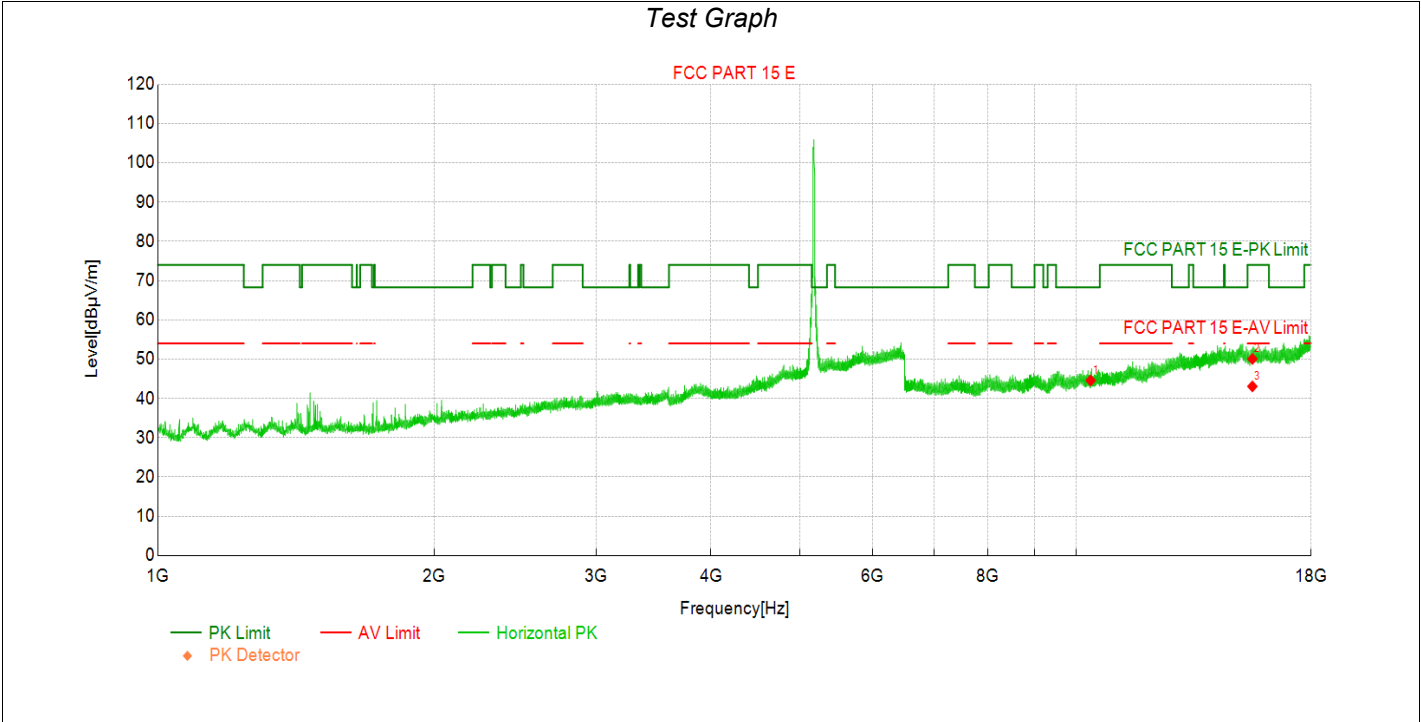
Profile: 2640209R	Page No.: 6
Limit: FCC 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: DAS Gripper	Power: AC 120V/60Hz
Note: Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.184	38.572	28.910	-25.731	64.303	9.662	QP
2		0.510	39.783	30.185	-16.217	56.000	9.598	QP
3		1.466	36.147	26.460	-19.853	56.000	9.687	QP
4		2.931	31.868	22.125	-24.132	56.000	9.742	QP
5		9.335	37.638	27.652	-22.362	60.000	9.986	QP
6	*	22.002	46.299	35.719	-13.701	60.000	10.580	QP

Appendix B: Radiated Emission

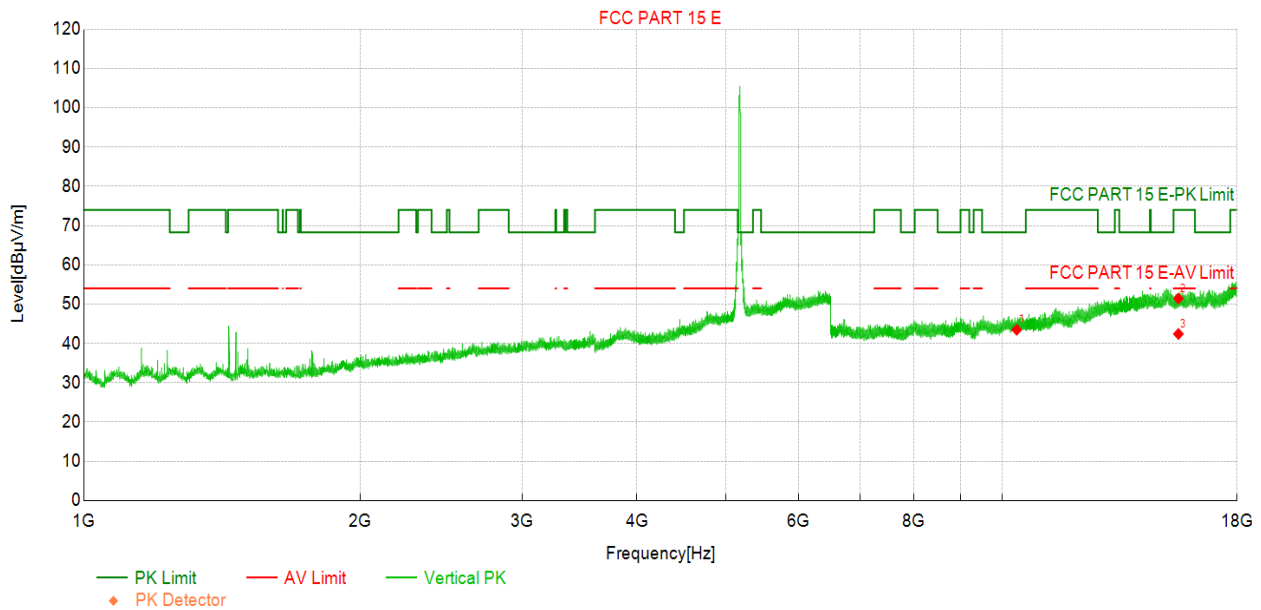
Transmit at 5180MHz by 802.11a



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	41.36	44.57	3.210	68.30	23.73	PK	Horizo	PASS
2	15540.00	37.19	50.05	12.860	74.00	23.95	PK	Horizo	PASS
3	15540.00	30.21	43.07	12.860	54.00	10.93	AV	Horizo	PASS

Transmit at 5180MHz by 802.11a

Test Graph

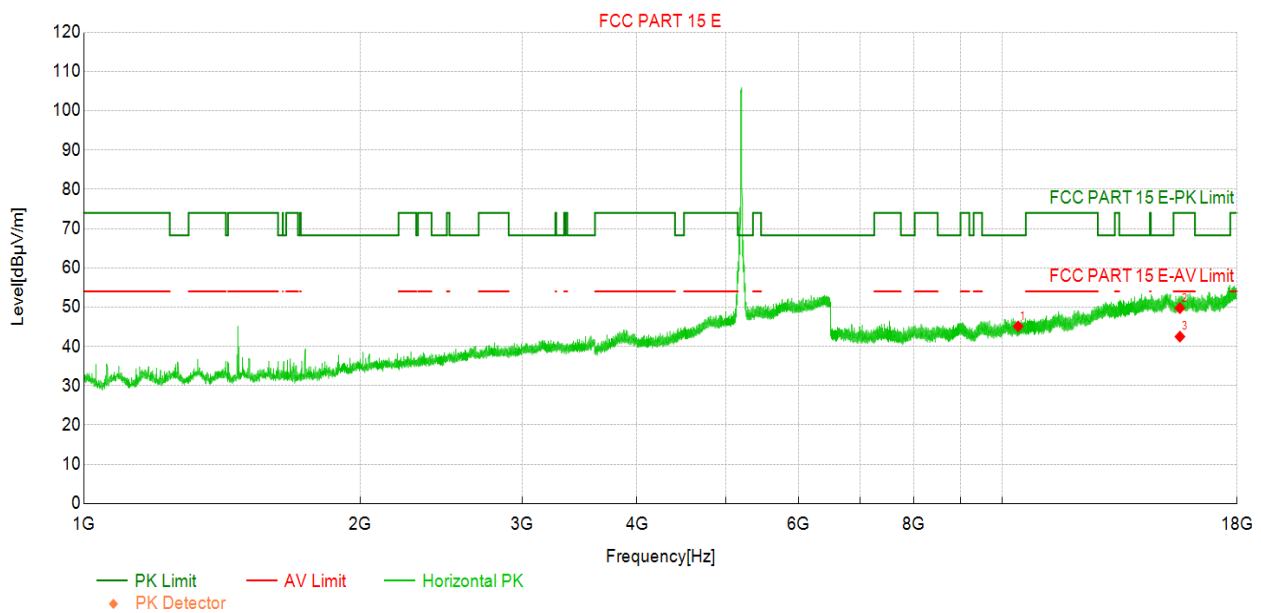


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	40.28	43.49	3.210	68.30	24.81	PK	Vertic	PASS
2	15540.00	38.59	51.45	12.860	74.00	22.55	PK	Vertic	PASS
3	15540.00	29.56	42.42	12.860	54.00	11.58	AV	Vertic	PASS

Transmit at 5200MHz by 802.11a

Test Graph

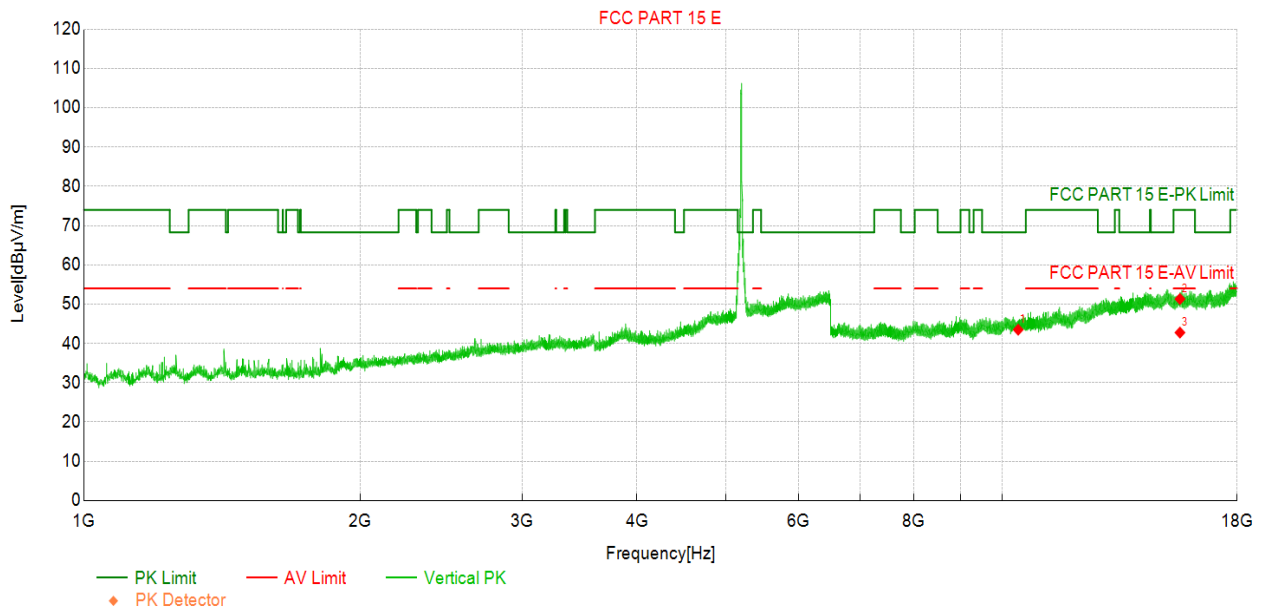


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	41.94	45.11	3.170	68.30	23.19	PK	Horizo	PASS
2	15600.00	36.78	49.76	12.980	74.00	24.24	PK	Horizo	PASS
3	15600.00	29.52	42.50	12.980	54.00	11.50	AV	Horizo	PASS

Transmit at 5200MHz by 802.11a

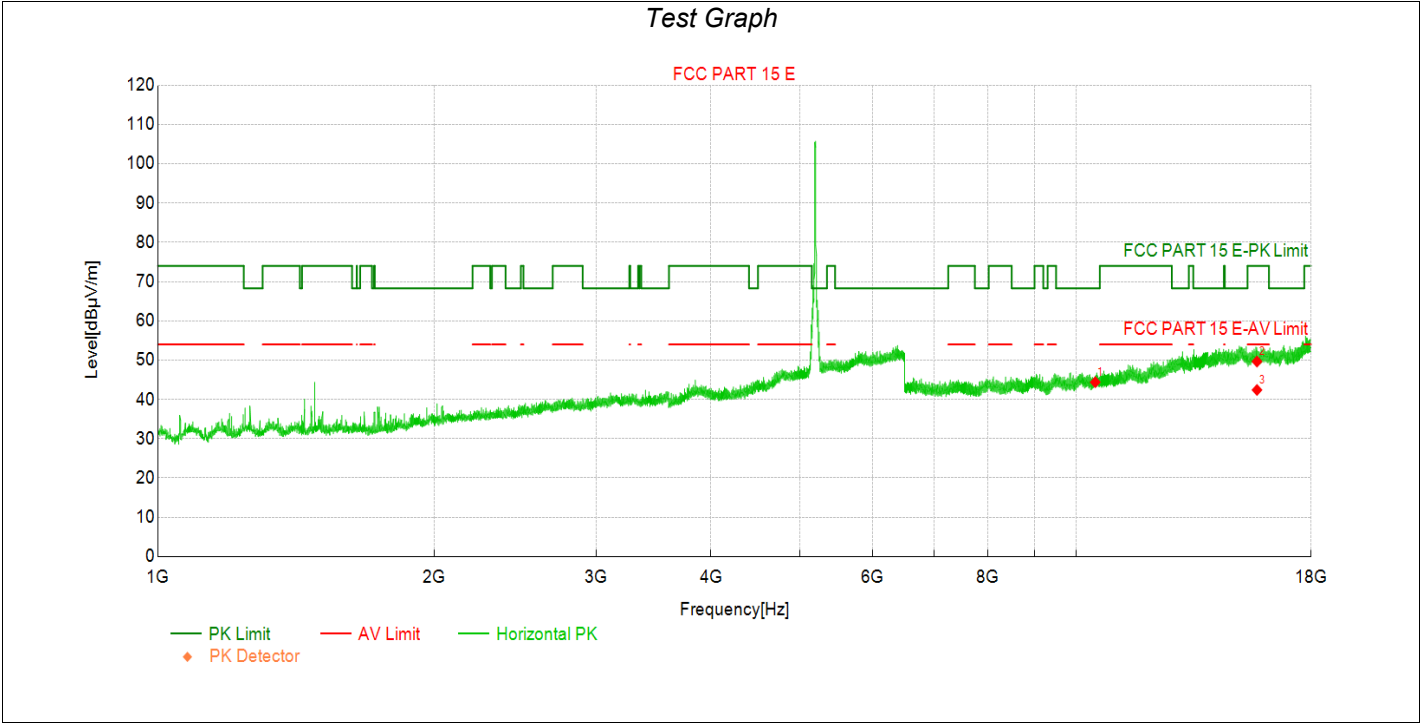
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	40.32	43.49	3.170	68.30	24.81	PK	Vertic	PASS
2	15600.00	38.34	51.32	12.980	74.00	22.68	PK	Vertic	PASS
3	15600.00	29.78	42.76	12.980	54.00	11.24	AV	Vertic	PASS

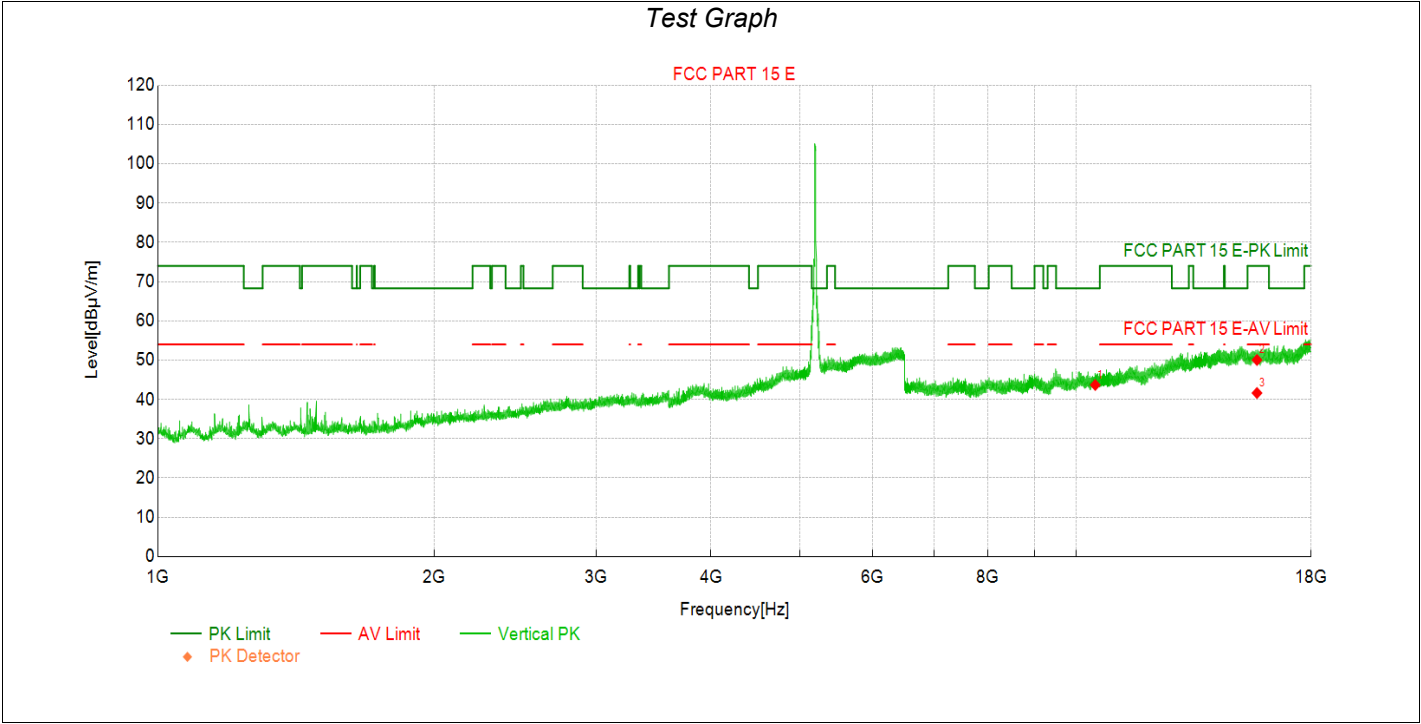
Transmit at 5240MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	40.81	44.40	3.590	68.30	23.90	PK	Horizo	PASS
2	15720.00	36.77	49.65	12.880	74.00	24.35	PK	Horizo	PASS
3	15720.00	29.54	42.42	12.880	54.00	11.58	AV	Horizo	PASS

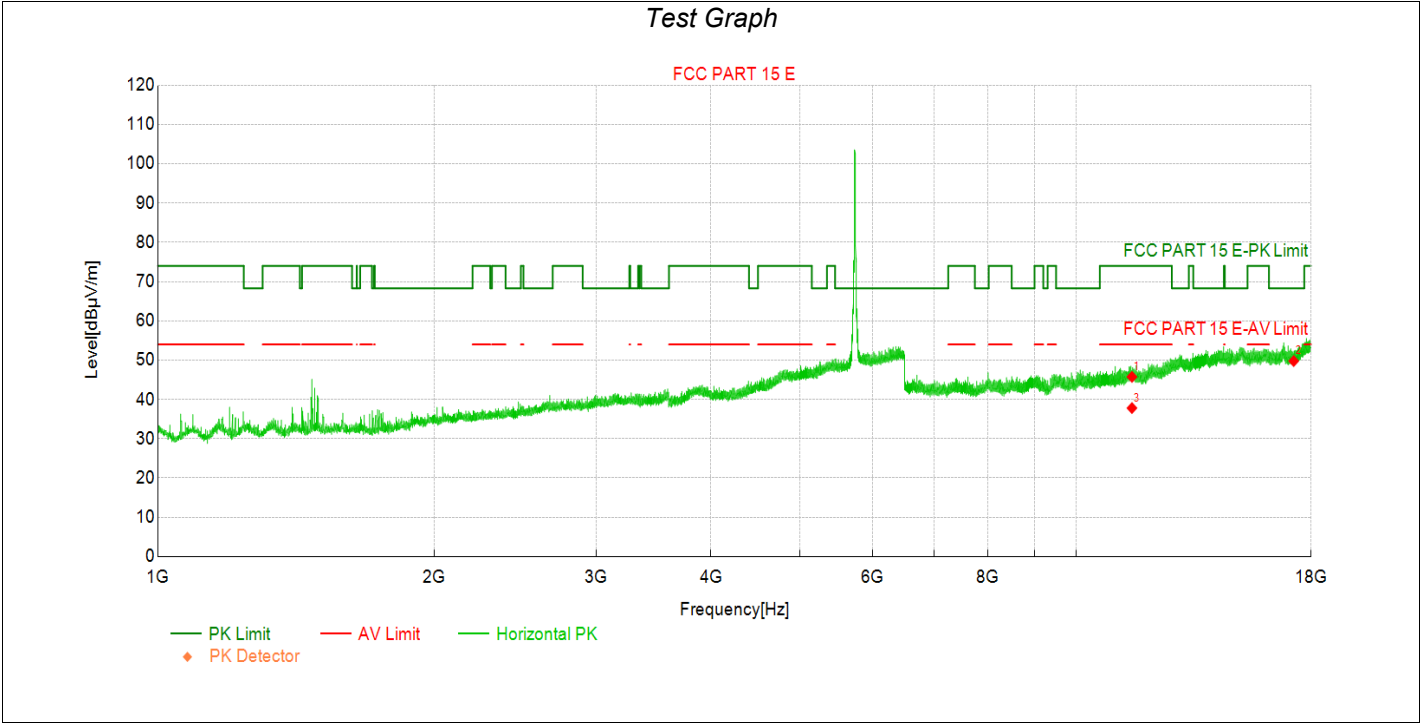
Transmit at 5240MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	40.09	43.68	3.590	68.30	24.62	PK	Vertic	PASS
2	15720.00	37.17	50.05	12.880	74.00	23.95	PK	Vertic	PASS
3	15720.00	28.76	41.64	12.880	54.00	12.36	AV	Vertic	PASS

Transmit at 5745MHz by 802.11a

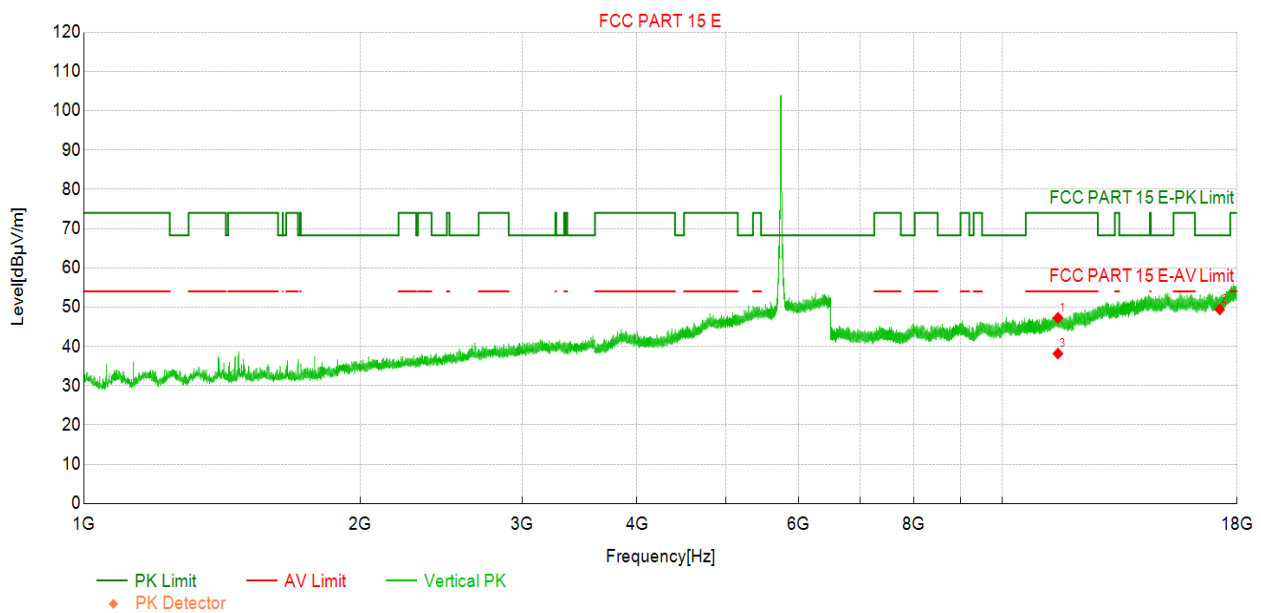


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	39.83	45.74	5.910	74.00	28.26	PK	Horizo	PASS
2	17235.00	36.01	49.78	13.770	68.30	18.52	PK	Horizo	PASS
3	11490.00	31.90	37.81	5.910	54.00	16.19	AV	Horizo	PASS

Transmit at 5745MHz by 802.11a

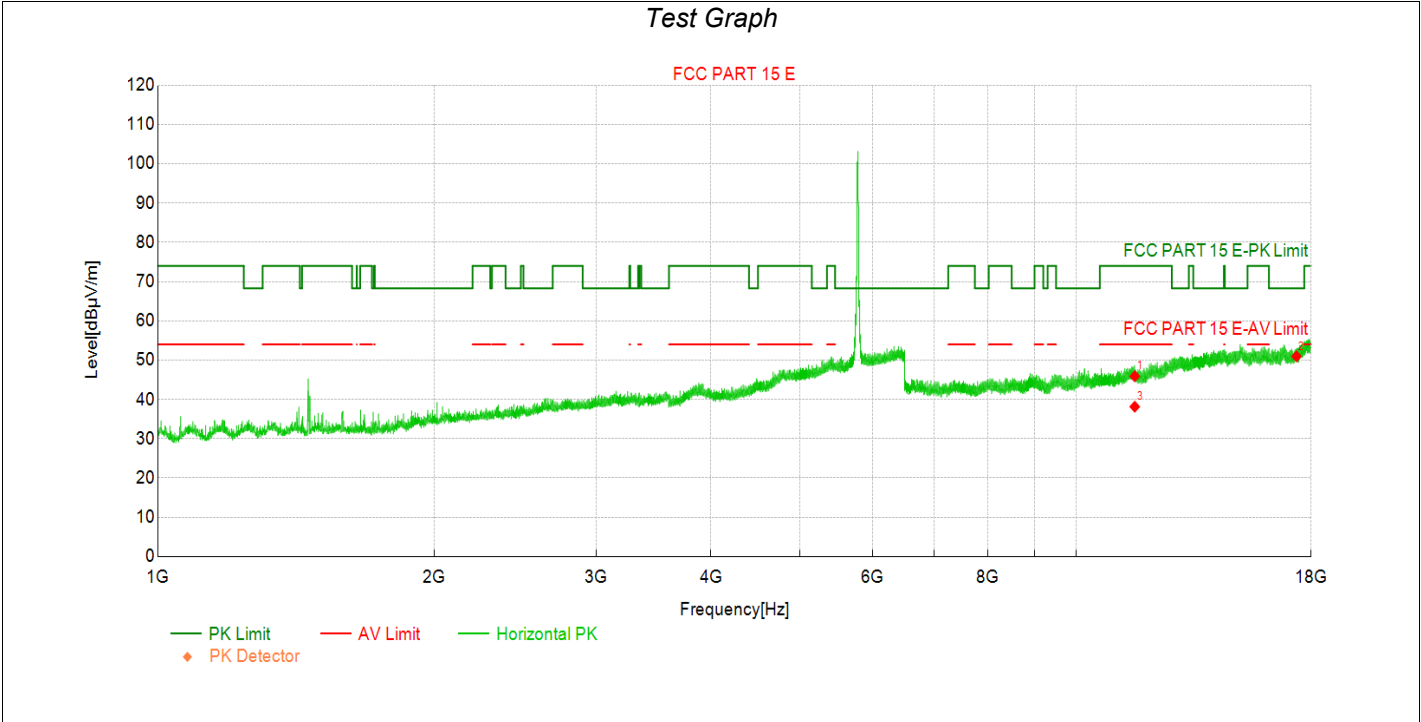
Test Graph



Data List

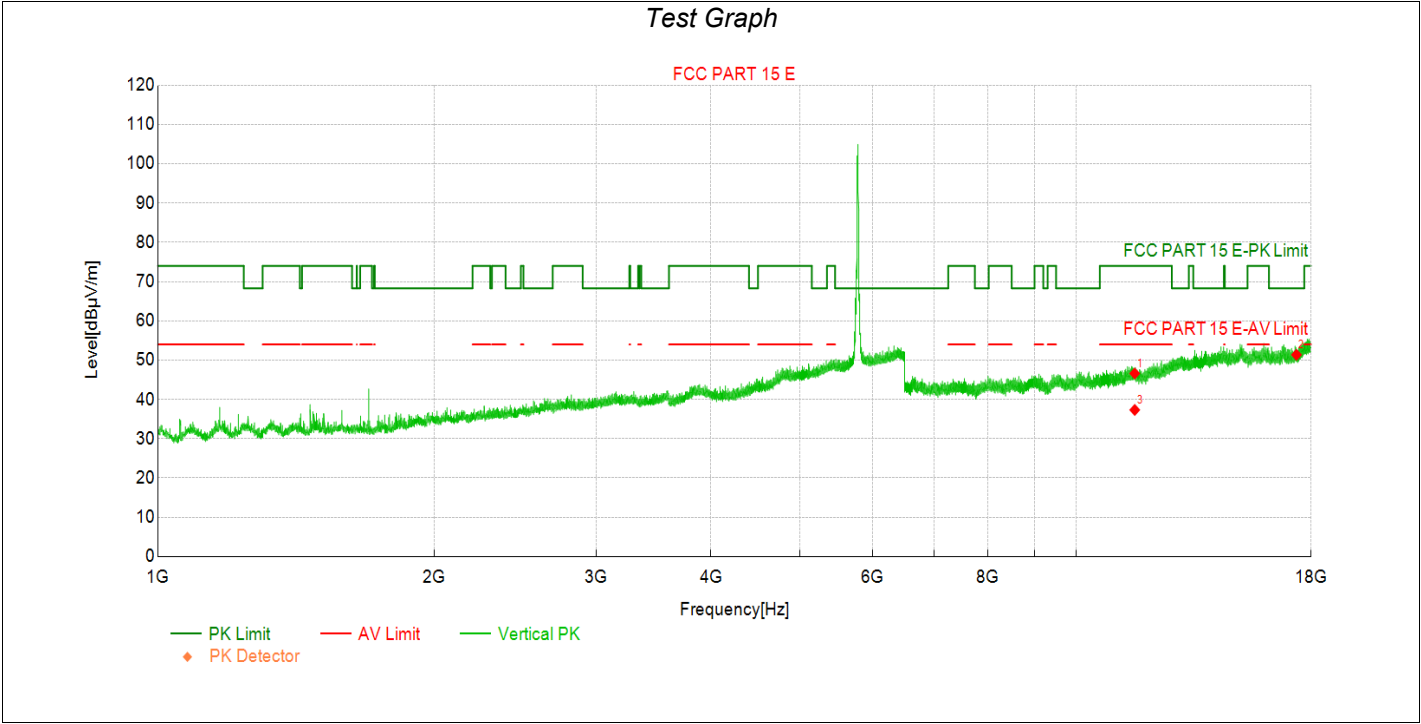
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	41.37	47.28	5.910	74.00	26.72	PK	Vertic	PASS
2	17235.00	35.66	49.43	13.770	68.30	18.87	PK	Vertic	PASS
3	11490.00	32.27	38.18	5.910	54.00	15.82	AV	Vertic	PASS

Transmit at 5785MHz by 802.11a



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	39.87	45.90	6.030	74.00	28.10	PK	Horizo	PASS
2	17355.00	36.83	50.97	14.140	68.30	17.33	PK	Horizo	PASS
3	11570.00	32.12	38.15	6.030	54.00	15.85	AV	Horizo	PASS

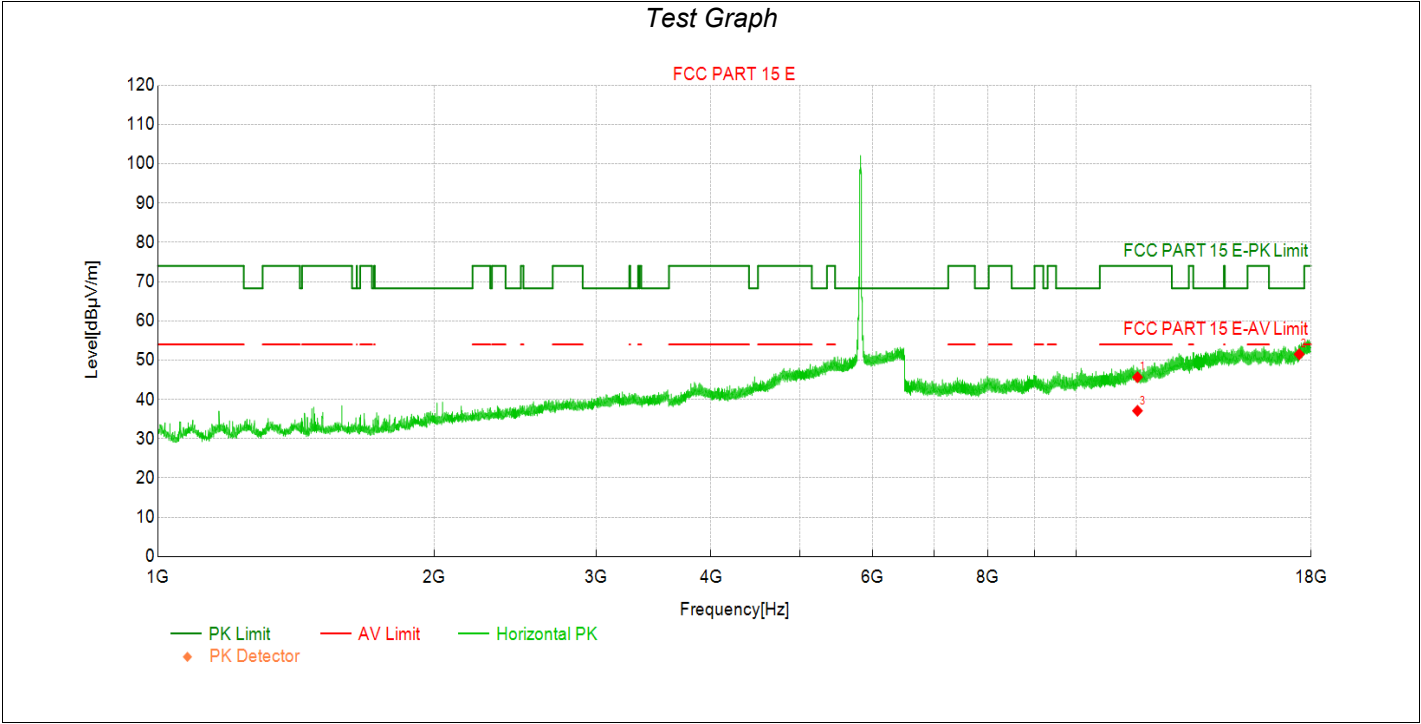
Transmit at 5785MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	40.58	46.61	6.030	74.00	27.39	PK	Vertic	PASS
2	17355.00	37.23	51.37	14.140	68.30	16.93	PK	Vertic	PASS
3	11570.00	31.30	37.33	6.030	54.00	16.67	AV	Vertic	PASS

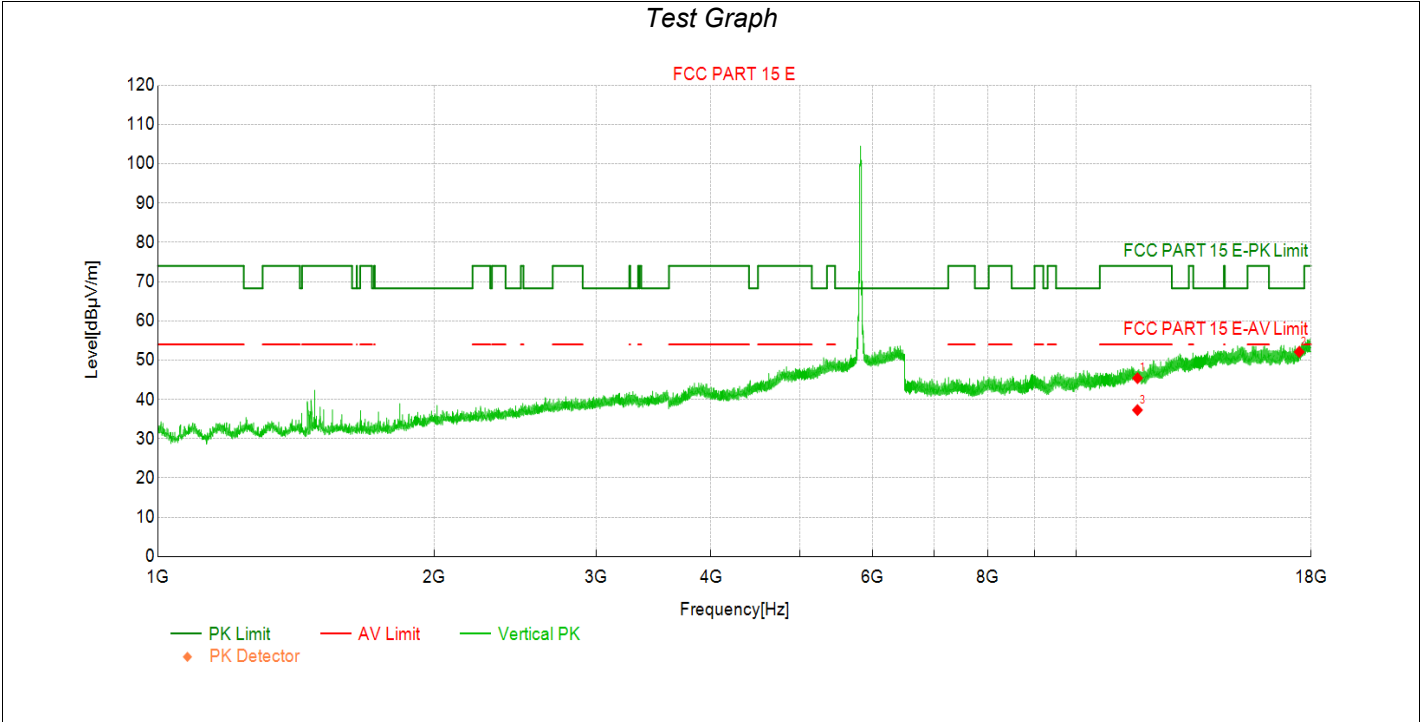
Transmit at 5825MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	39.52	45.67	6.150	74.00	28.33	PK	Horizo	PASS
2	17475.00	36.65	51.50	14.850	68.30	16.80	PK	Horizo	PASS
3	11650.00	30.96	37.11	6.150	54.00	16.89	AV	Horizo	PASS

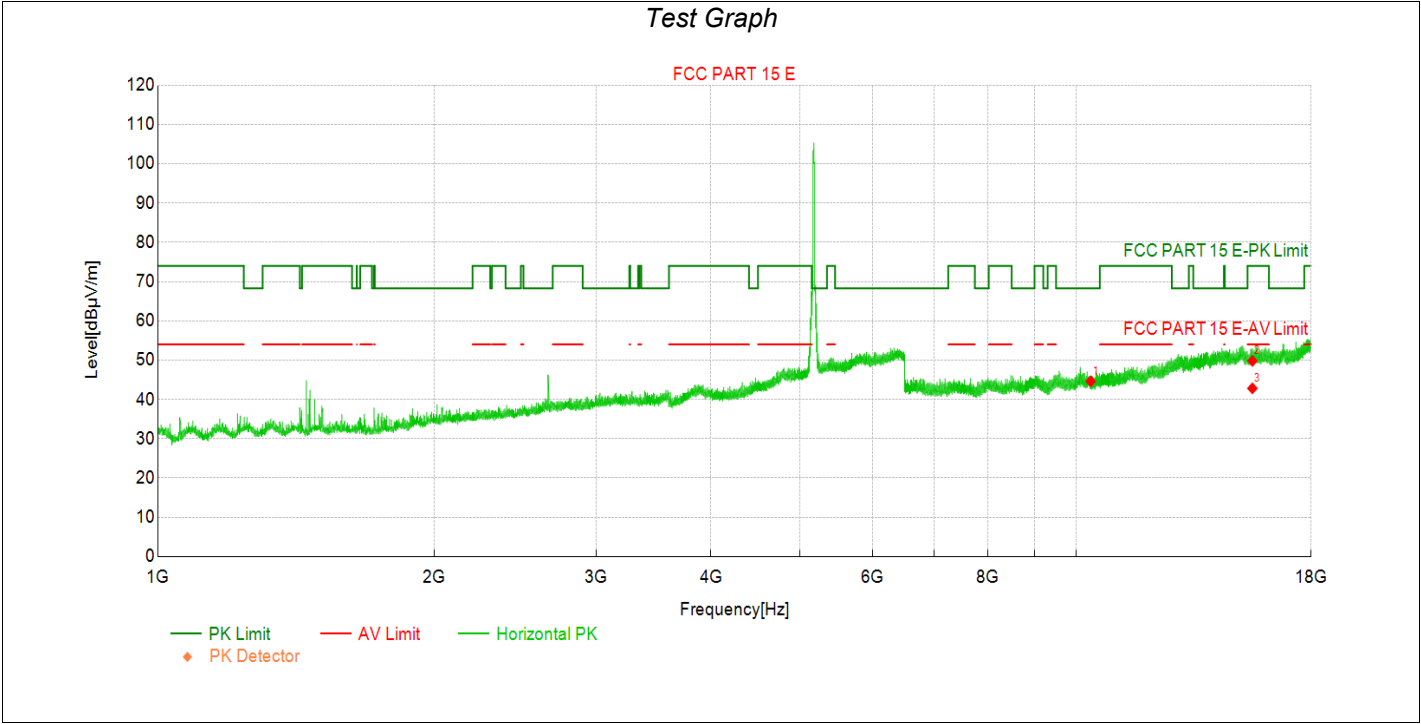
Transmit at 5825MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	39.27	45.42	6.150	74.00	28.58	PK	Vertic	PASS
2	17475.00	37.26	52.11	14.850	68.30	16.19	PK	Vertic	PASS
3	11650.00	31.15	37.30	6.150	54.00	16.70	AV	Vertic	PASS

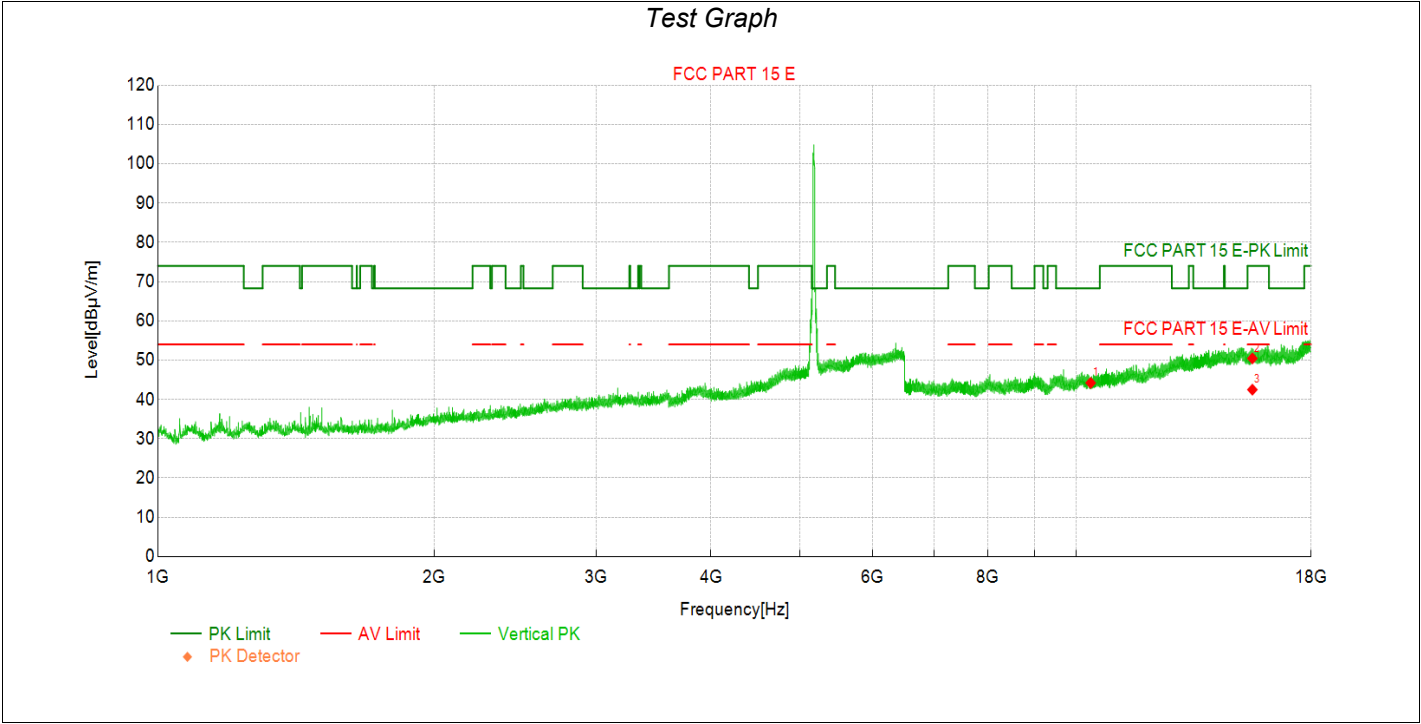
Transmit at 5180MHz by 802.11ac(20MHz)



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	41.40	44.61	3.210	68.30	23.69	PK	Horizo	PASS
2	15540.00	36.94	49.80	12.860	74.00	24.20	PK	Horizo	PASS
3	15540.00	29.96	42.82	12.860	54.00	11.18	AV	Horizo	PASS

Transmit at 5180MHz by 802.11ac(20MHz)

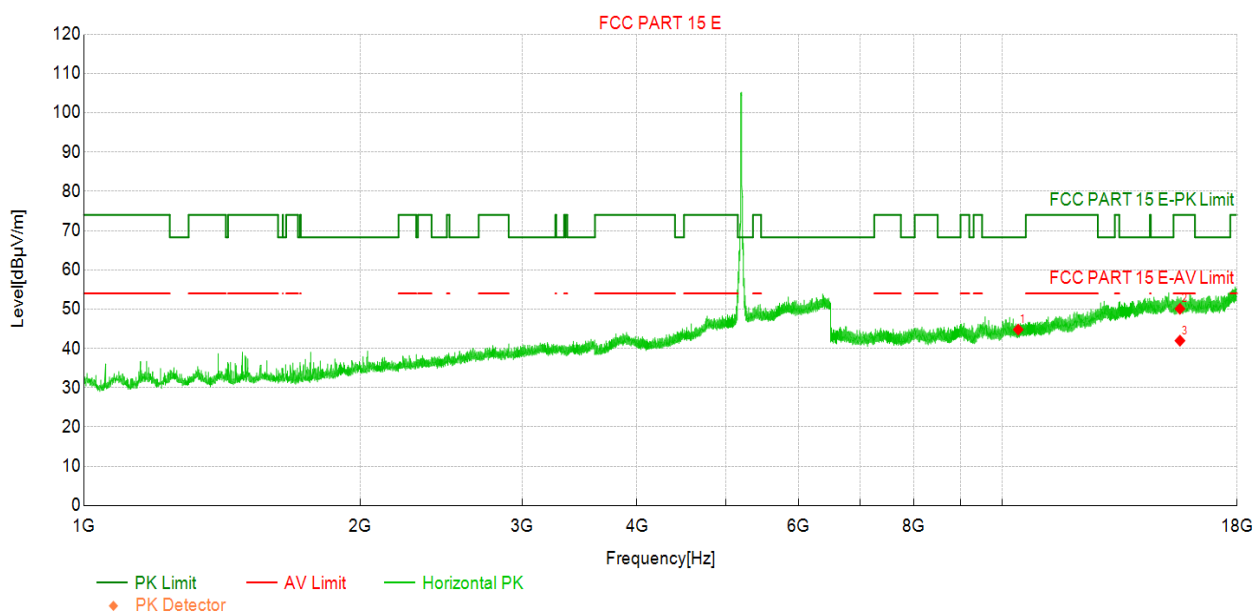


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	41.00	44.21	3.210	68.30	24.09	PK	Vertic	PASS
2	15540.00	37.58	50.44	12.860	74.00	23.56	PK	Vertic	PASS
3	15540.00	29.63	42.49	12.860	54.00	11.51	AV	Vertic	PASS

Transmit at 5200MHz by 802.11ac(20MHz)

Test Graph

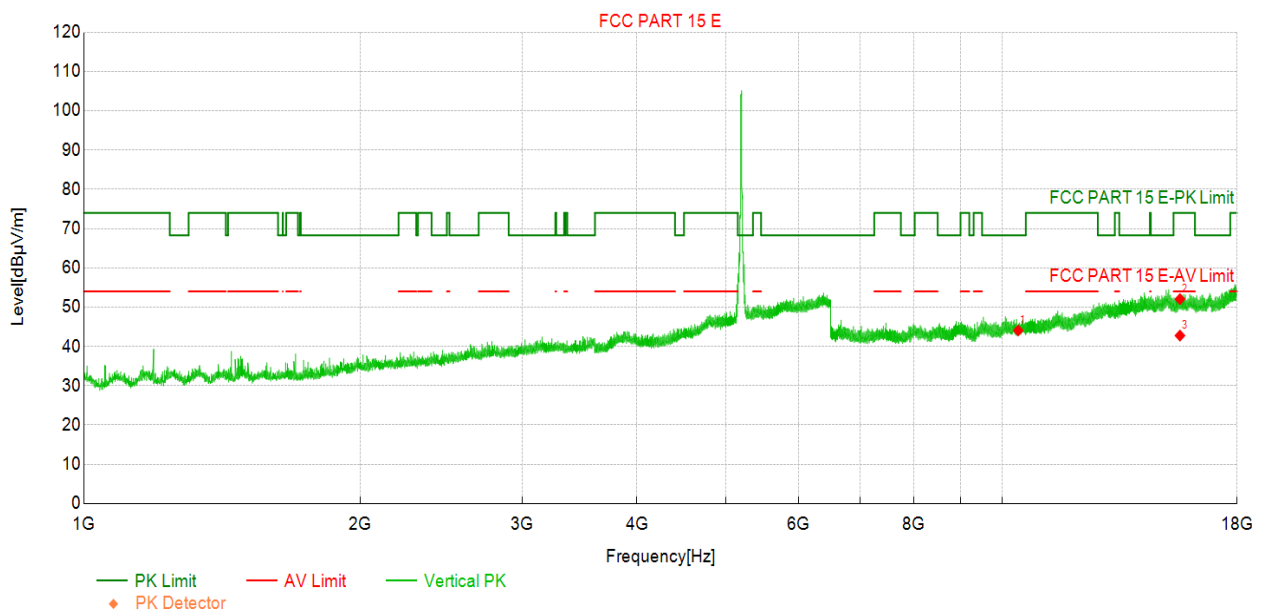


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	41.64	44.81	3.170	68.30	23.49	PK	Horizo	PASS
2	15600.00	37.11	50.09	12.980	74.00	23.91	PK	Horizo	PASS
3	15600.00	29.00	41.98	12.980	54.00	12.02	AV	Horizo	PASS

Transmit at 5200MHz by 802.11ac(20MHz)

Test Graph

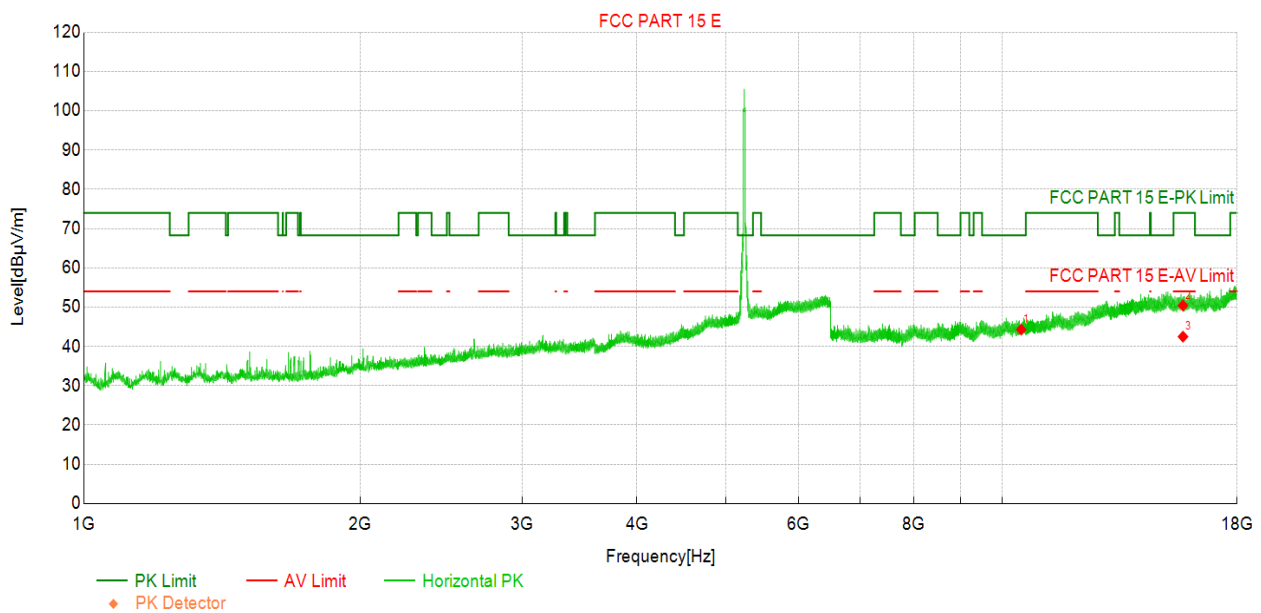


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	40.89	44.06	3.170	68.30	24.24	PK	Vertic	PASS
2	15600.00	39.07	52.05	12.980	74.00	21.95	PK	Vertic	PASS
3	15600.00	29.78	42.76	12.980	54.00	11.24	AV	Vertic	PASS

Transmit at 5240MHz by 802.11ac(20MHz)

Test Graph

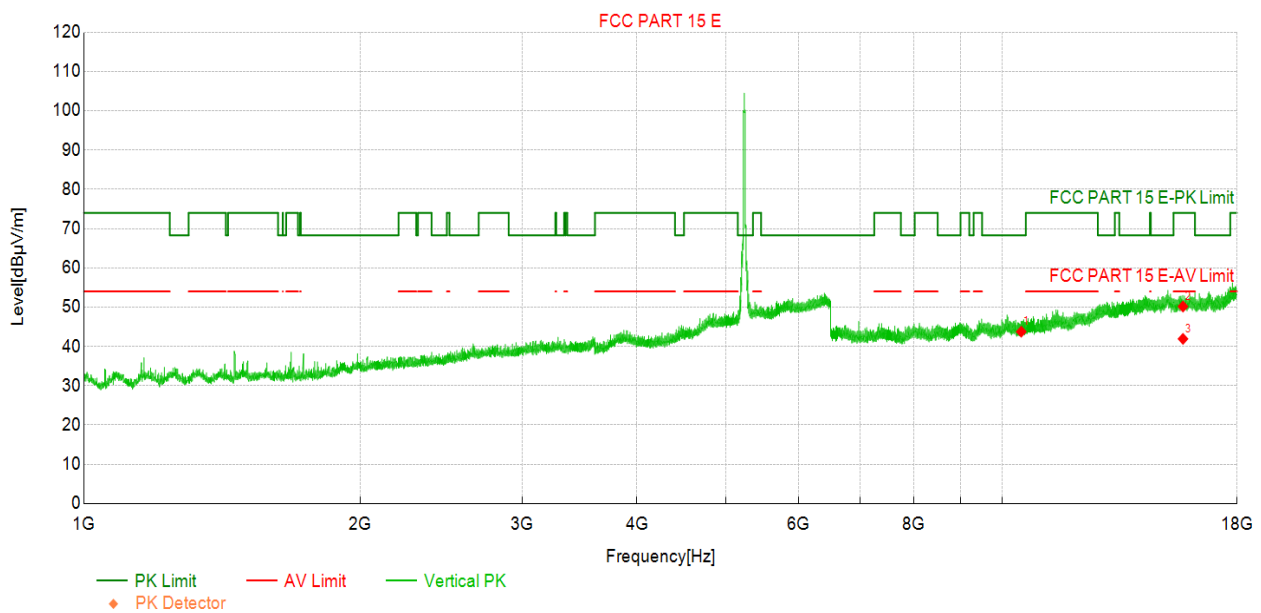


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	40.70	44.29	3.590	68.30	24.01	PK	Horizo	PASS
2	15720.00	37.53	50.41	12.880	74.00	23.59	PK	Horizo	PASS
3	15720.00	29.61	42.49	12.880	54.00	11.51	AV	Horizo	PASS

Transmit at 5240MHz by 802.11ac(20MHz)

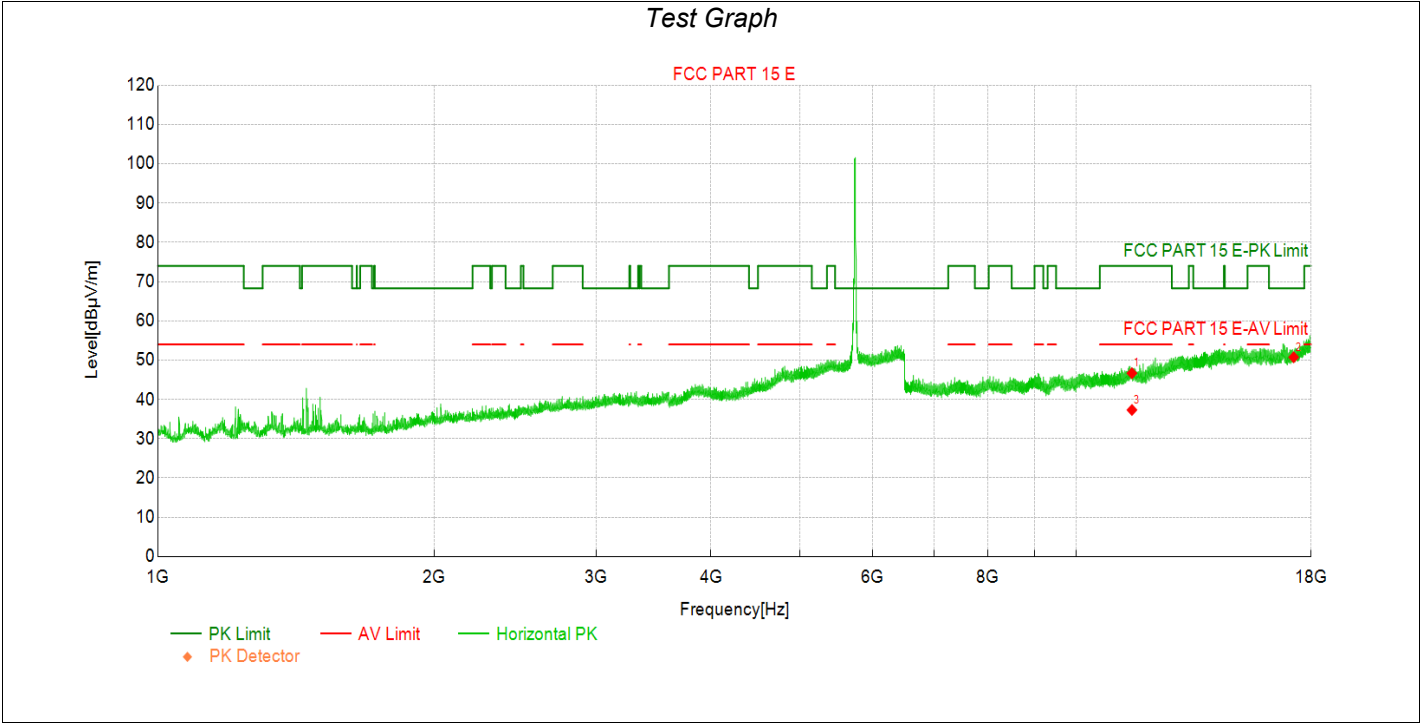
Test Graph



Data List

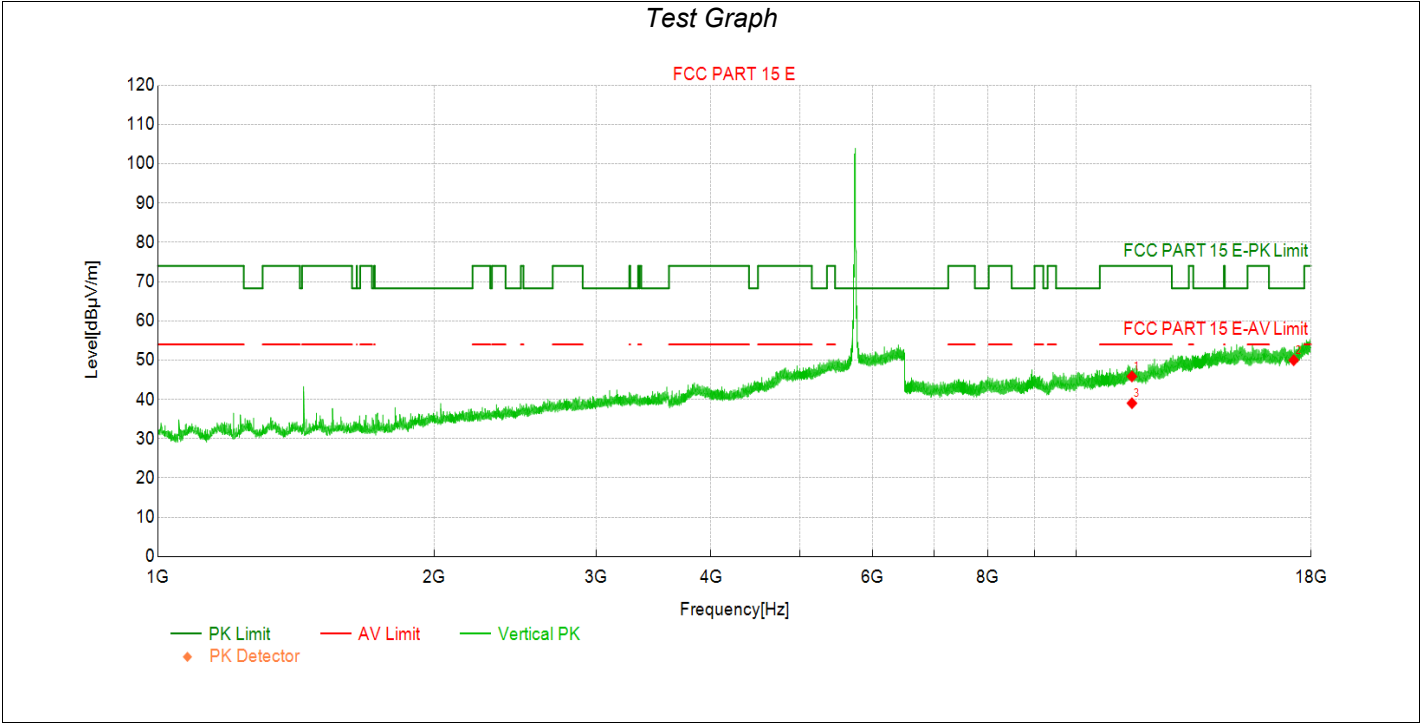
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	40.17	43.76	3.590	68.30	24.54	PK	Vertic	PASS
2	15720.00	37.29	50.17	12.880	74.00	23.83	PK	Vertic	PASS
3	15720.00	29.05	41.93	12.880	54.00	12.07	AV	Vertic	PASS

Transmit at 5745MHz by 802.11ac(20MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	40.77	46.68	5.910	74.00	27.32	PK	Horizo	PASS
2	17235.00	36.97	50.74	13.770	68.30	17.56	PK	Horizo	PASS
3	11490.00	31.41	37.32	5.910	54.00	16.68	AV	Horizo	PASS

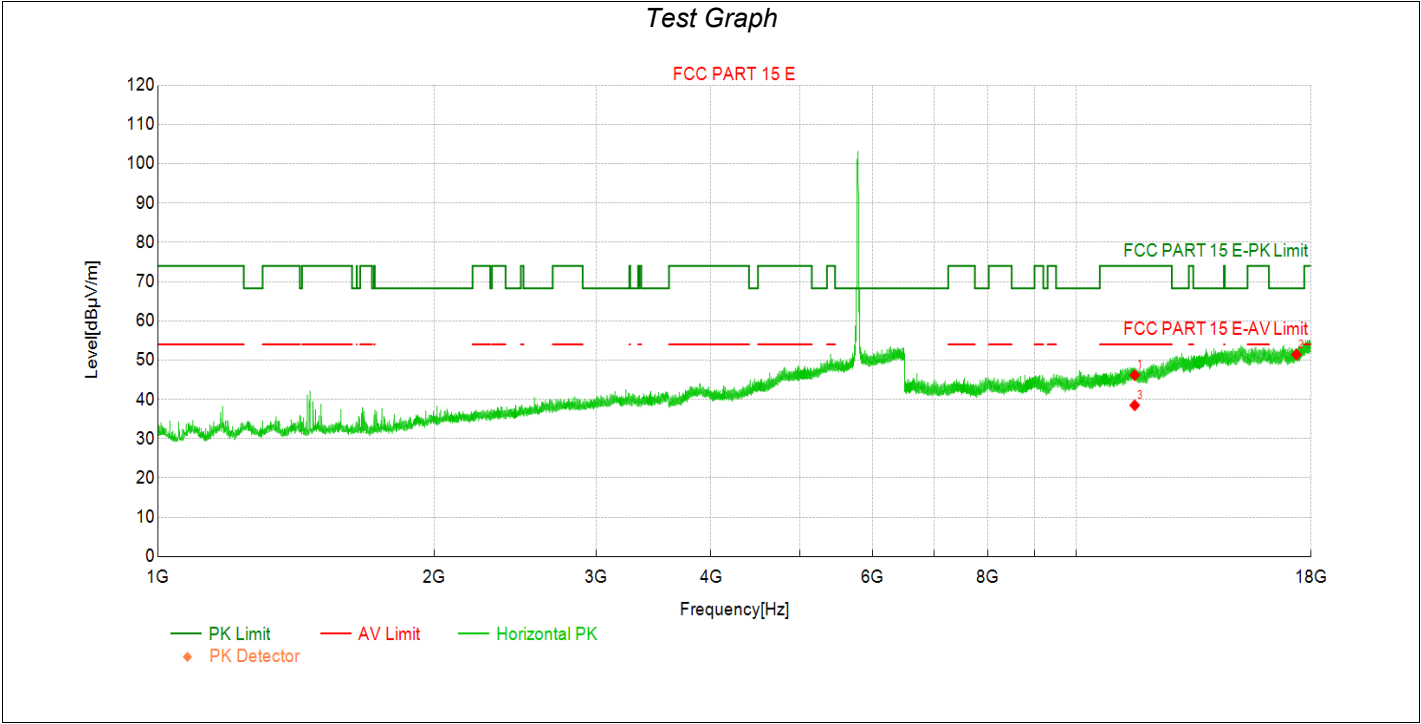
Transmit at 5745MHz by 802.11ac(20MHz)



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	39.95	45.86	5.910	74.00	28.14	PK	Vertic	PASS
2	17235.00	36.22	49.99	13.770	68.30	18.31	PK	Vertic	PASS
3	11490.00	33.13	39.04	5.910	54.00	14.96	AV	Vertic	PASS

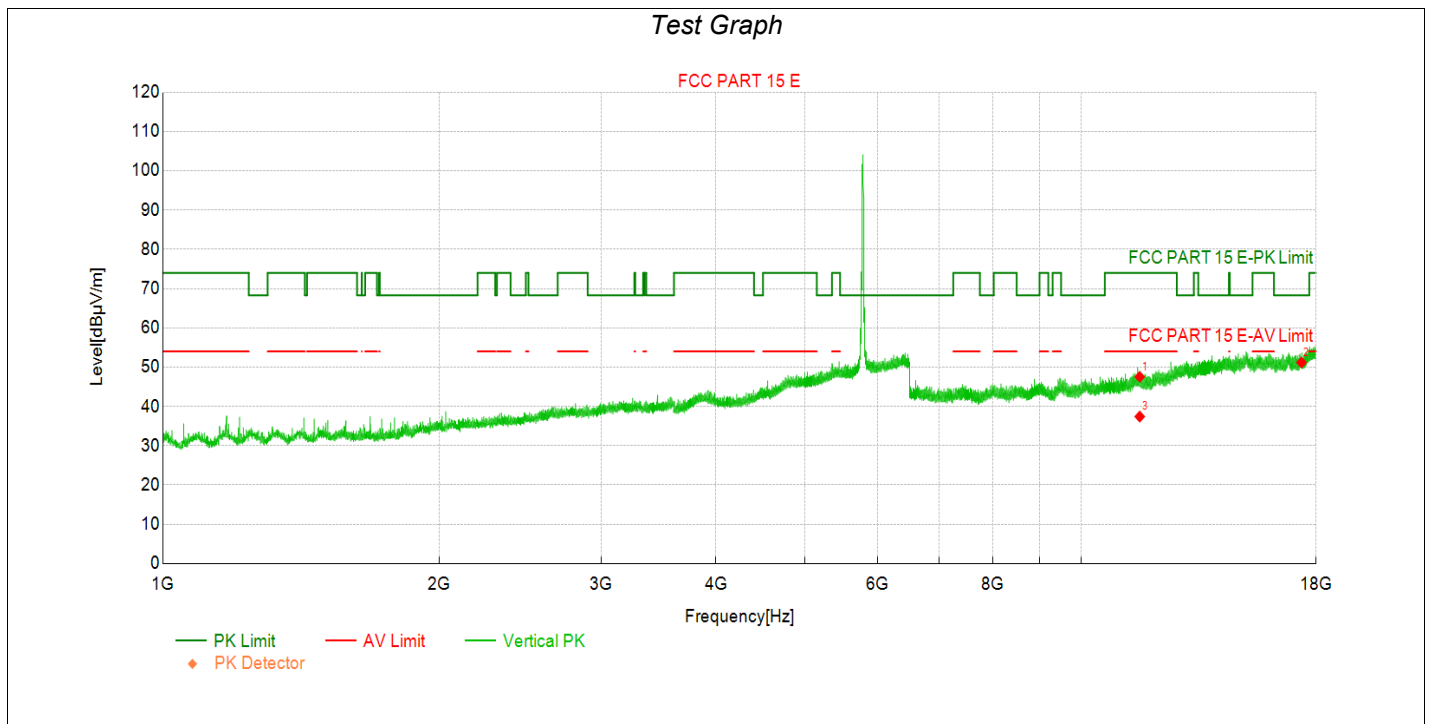
Transmit at 5785MHz by 802.11ac(20MHz)



Data List

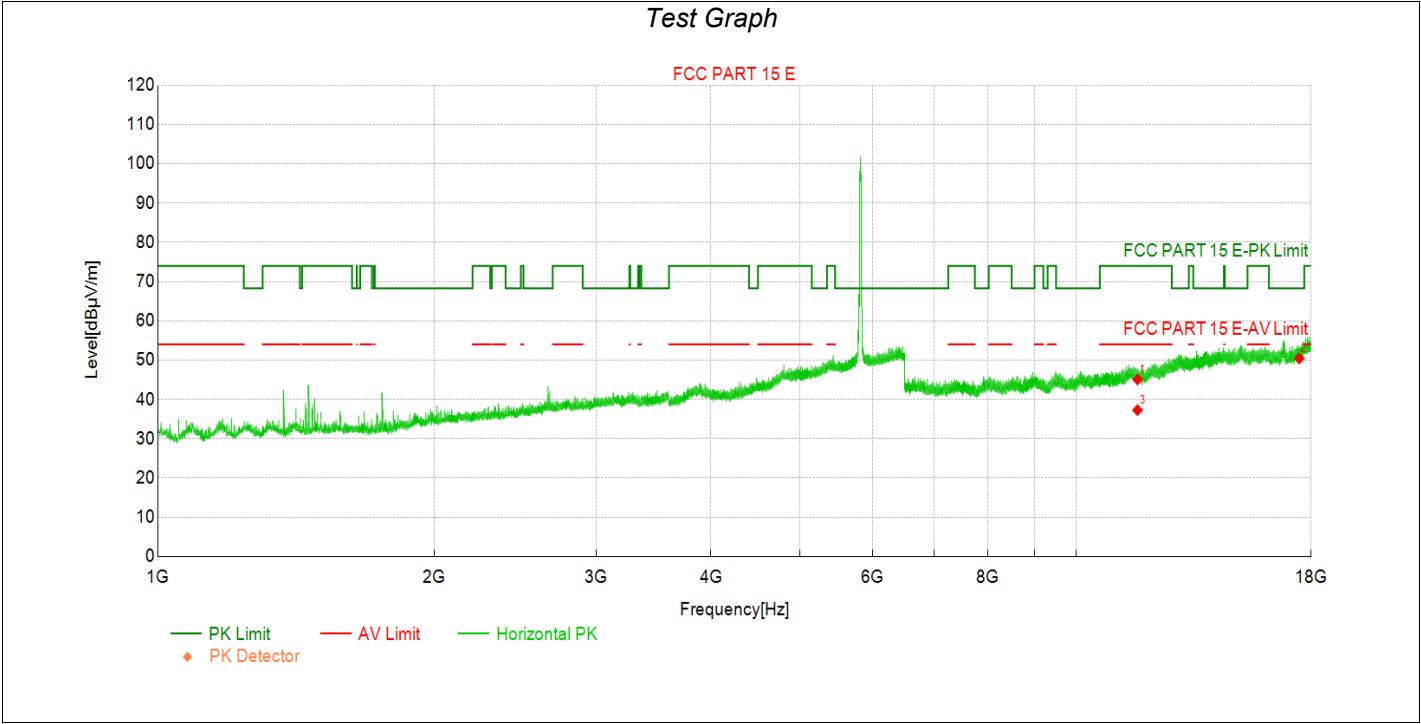
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	40.14	46.17	6.030	74.00	27.83	PK	Horizo	PASS
2	17355.00	37.30	51.44	14.140	68.30	16.86	PK	Horizo	PASS
3	11570.00	32.48	38.51	6.030	54.00	15.49	AV	Horizo	PASS

Transmit at 5785MHz by 802.11ac(20MHz)



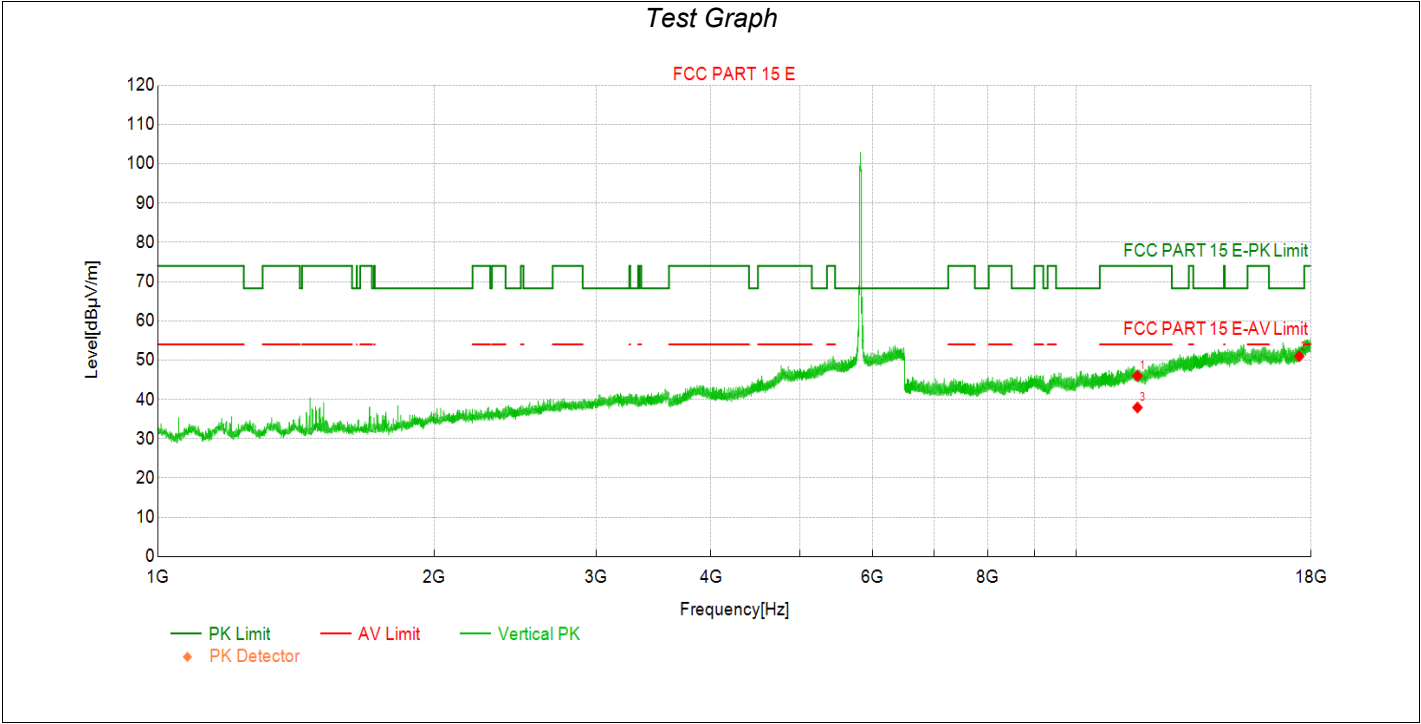
Data List									
NO	Frequenc y [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	41.52	47.55	6.030	74.00	26.45	PK	Vertic	PASS
2	17355.00	37.05	51.19	14.140	68.30	17.11	PK	Vertic	PASS
3	11570.00	31.39	37.42	6.030	54.00	16.58	AV	Vertic	PASS

Transmit at 5825MHz by 802.11ac(20MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	38.94	45.09	6.150	74.00	28.91	PK	Horizo	PASS
2	17475.00	35.57	50.42	14.850	68.30	17.88	PK	Horizo	PASS
3	11650.00	31.14	37.29	6.150	54.00	16.71	AV	Horizo	PASS

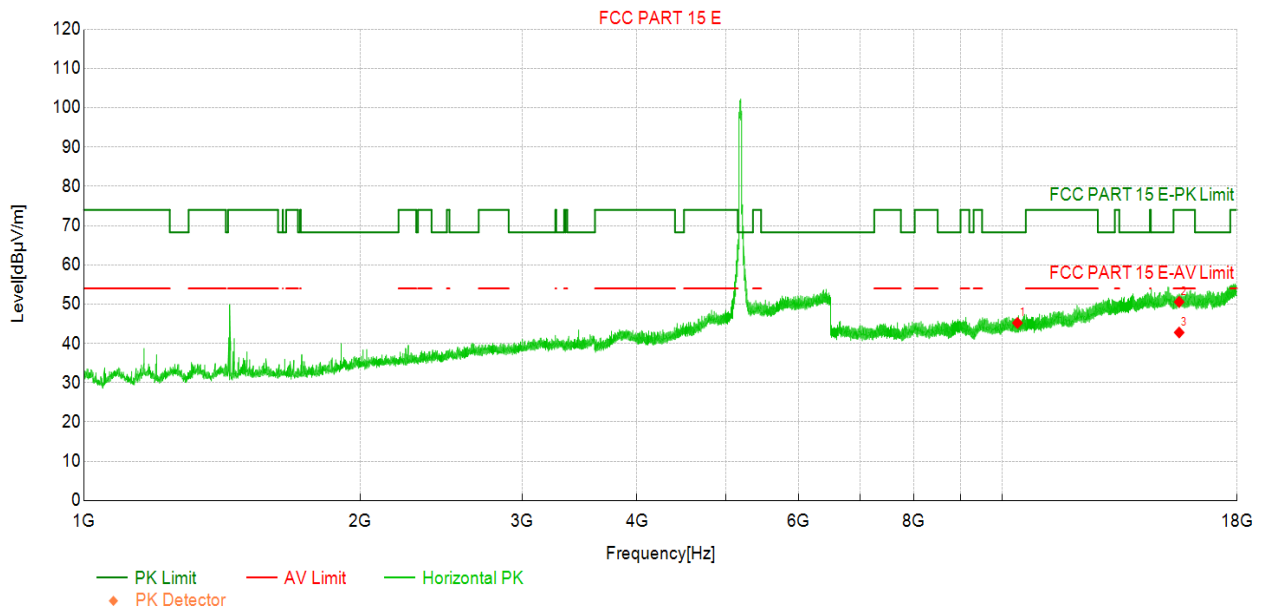
Transmit at 5825MHz by 802.11ac(20MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	39.83	45.98	6.150	74.00	28.02	PK	Vertic	PASS
2	17475.00	36.12	50.97	14.850	68.30	17.33	PK	Vertic	PASS
3	11650.00	31.80	37.95	6.150	54.00	16.05	AV	Vertic	PASS

Transmit at 5190MHz by 802.11ac(40MHz)

Test Graph

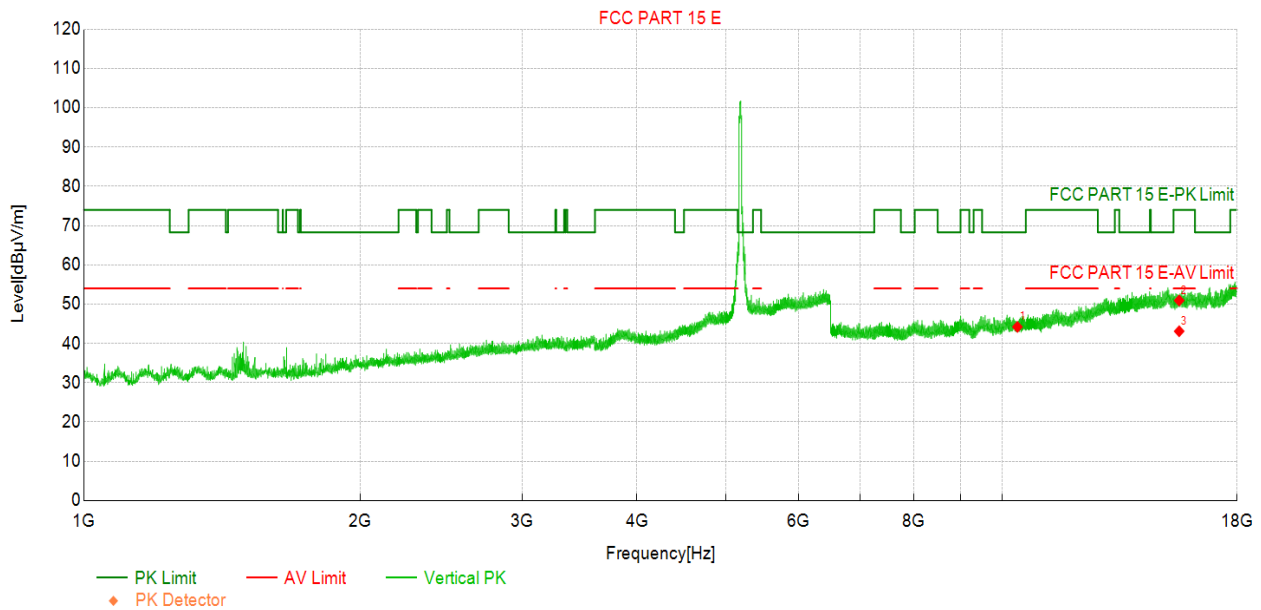


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10380.00	42.04	45.22	3.180	68.30	23.08	PK	Horizo	PASS
2	15570.00	37.66	50.58	12.920	74.00	23.42	PK	Horizo	PASS
3	15570.00	29.87	42.79	12.920	54.00	11.21	AV	Horizo	PASS

Transmit at 5190MHz by 802.11ac(40MHz)

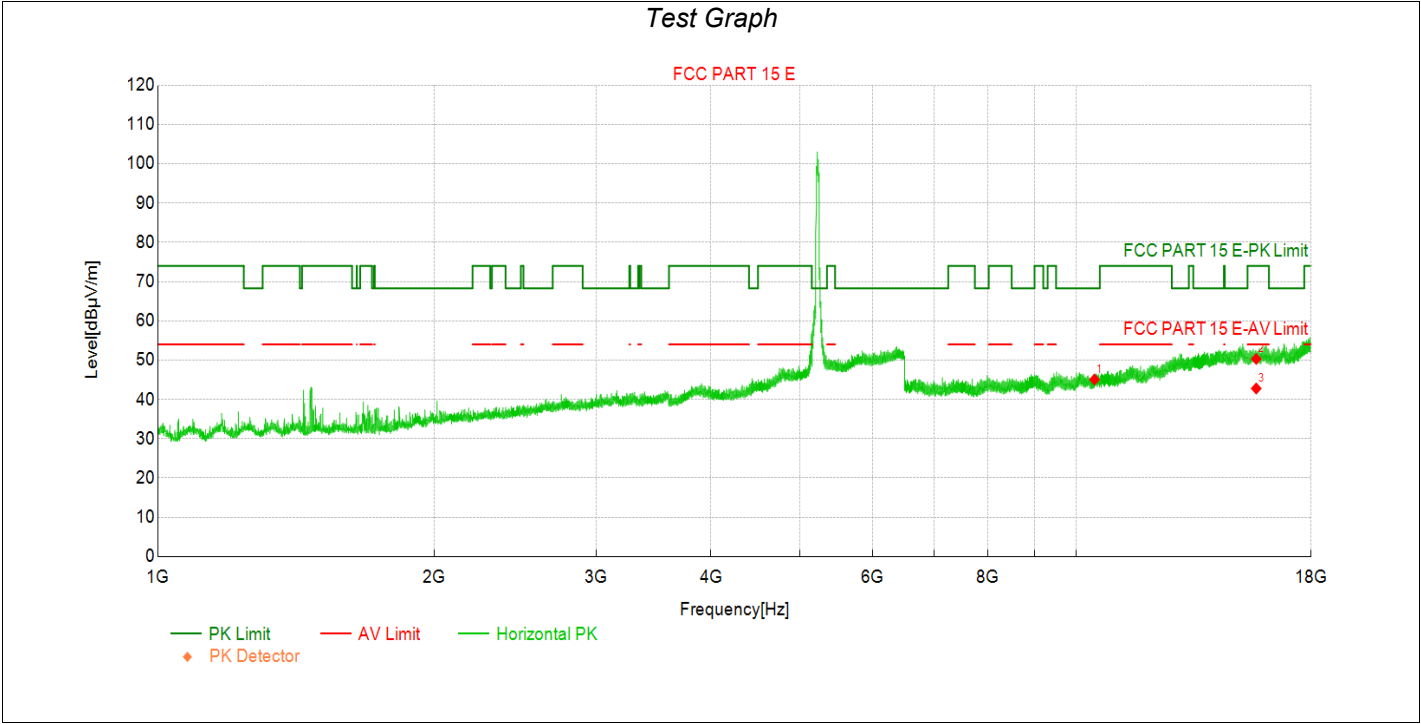
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10380.00	41.03	44.21	3.180	68.30	24.09	PK	Vertic	PASS
2	15570.00	38.01	50.93	12.920	74.00	23.07	PK	Vertic	PASS
3	15570.00	30.19	43.11	12.920	54.00	10.89	AV	Vertic	PASS

Transmit at 5230MHz by 802.11ac(40MHz)

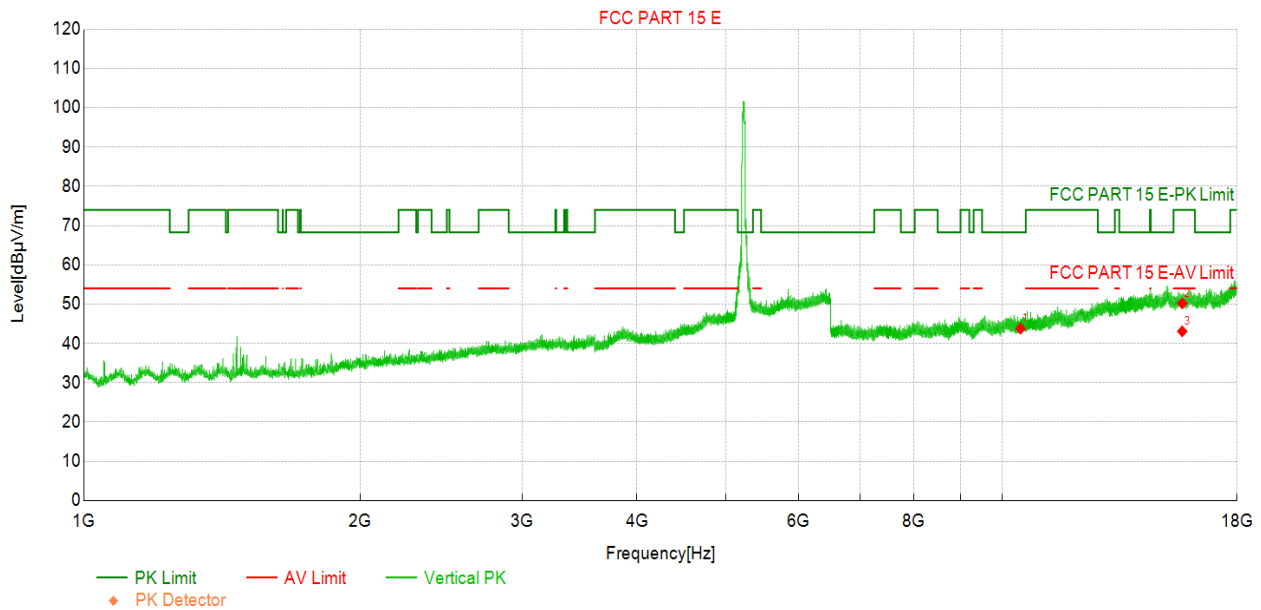


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10460.00	41.60	45.08	3.480	68.30	23.22	PK	Horizo	PASS
2	15690.00	37.34	50.30	12.960	74.00	23.70	PK	Horizo	PASS
3	15690.00	29.83	42.79	12.960	54.00	11.21	AV	Horizo	PASS

Transmit at 5230MHz by 802.11ac(40MHz)

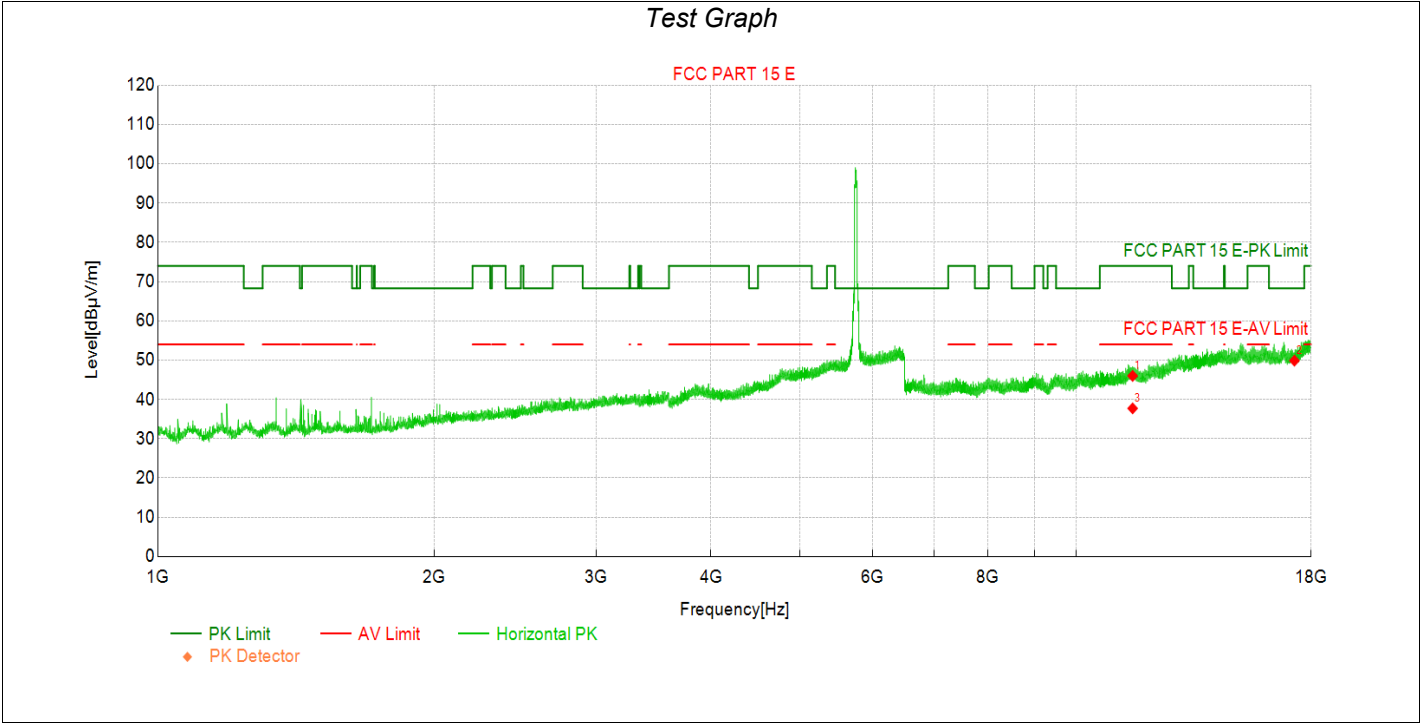
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10460.00	40.30	43.78	3.480	68.30	24.52	PK	Vertic	PASS
2	15690.00	37.24	50.20	12.960	74.00	23.80	PK	Vertic	PASS
3	15690.00	30.12	43.08	12.960	54.00	10.92	AV	Vertic	PASS

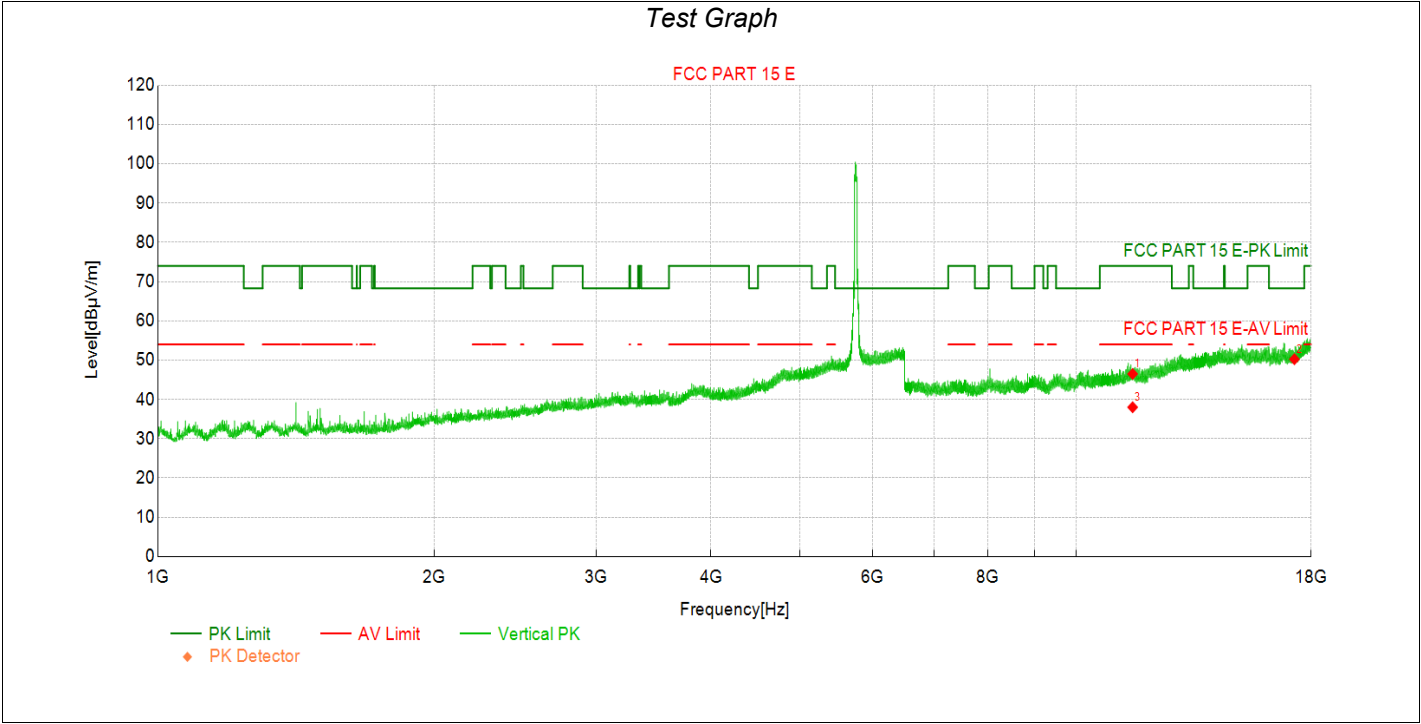
Transmit at 5755MHz by 802.11ac(40MHz)



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11510.00	40.07	45.99	5.920	74.00	28.01	PK	Horizo	PASS
2	17265.00	35.93	49.88	13.950	68.30	18.42	PK	Horizo	PASS
3	11510.00	31.80	37.72	5.920	54.00	16.28	AV	Horizo	PASS

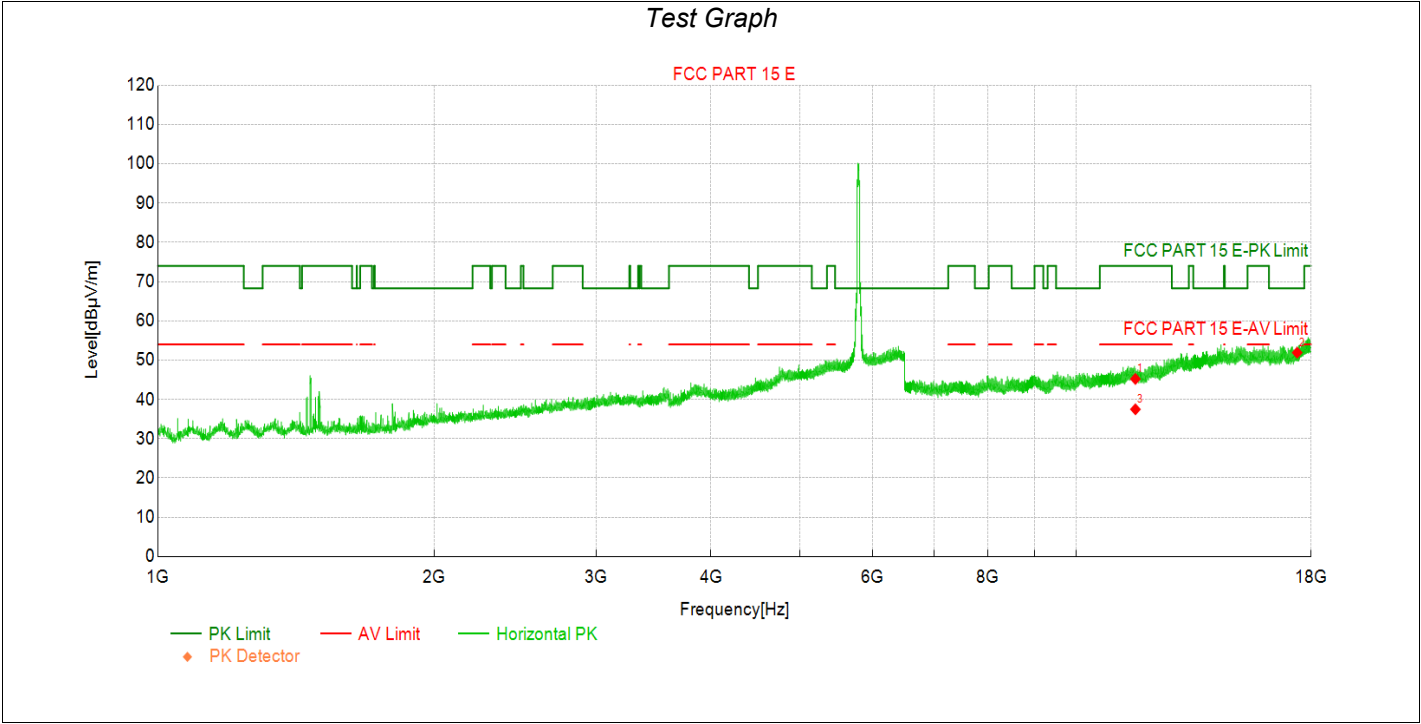
Transmit at 5755MHz by 802.11ac(40MHz)



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11510.00	40.58	46.50	5.920	74.00	27.50	PK	Vertic	PASS
2	17265.00	36.30	50.25	13.950	68.30	18.05	PK	Vertic	PASS
3	11510.00	32.09	38.01	5.920	54.00	15.99	AV	Vertic	PASS

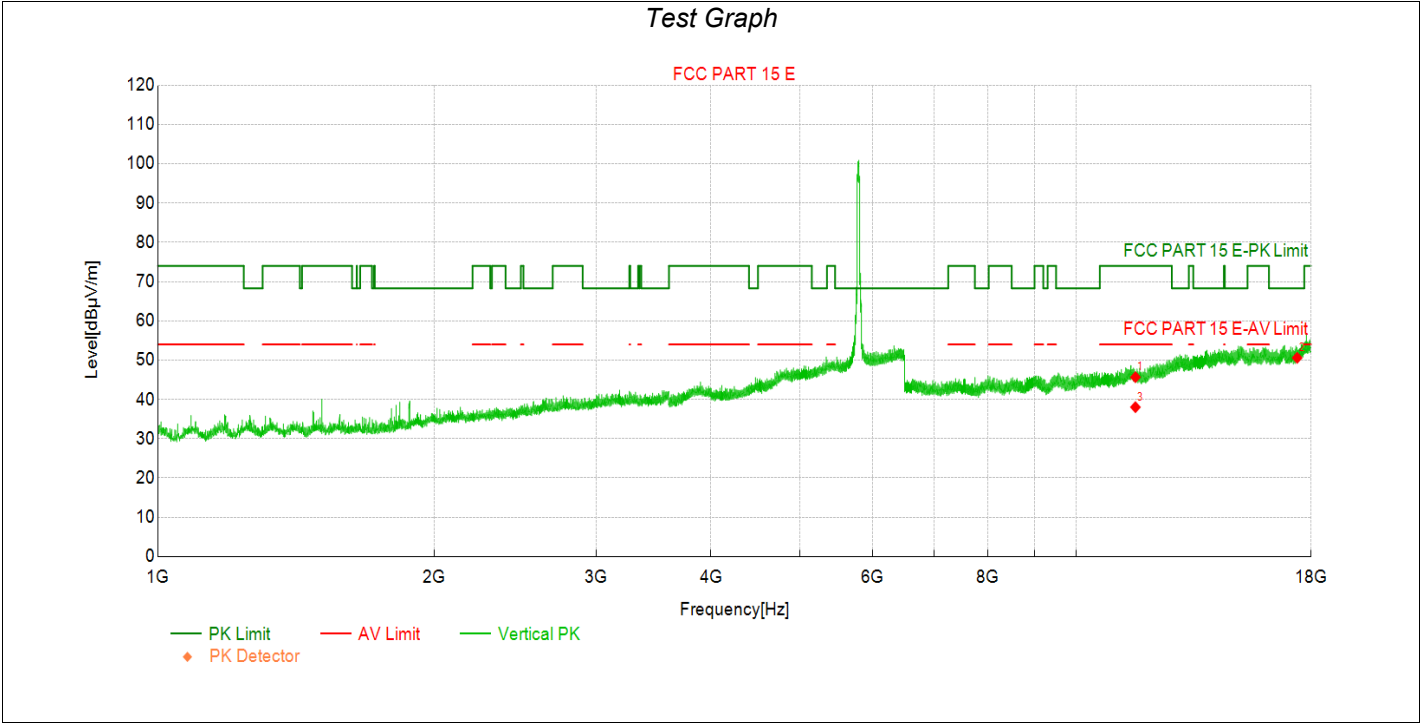
Transmit at 5795MHz by 802.11ac(40MHz)



Data List

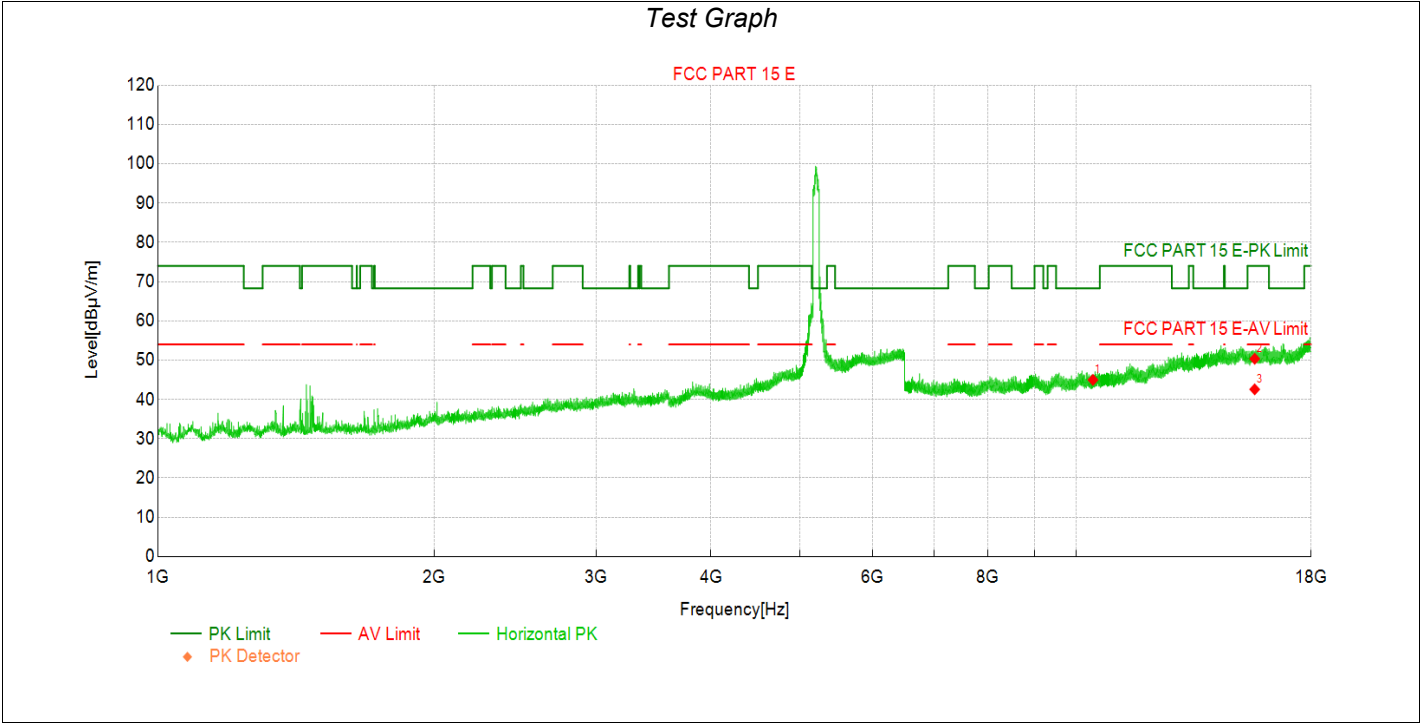
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11590.00	39.16	45.22	6.060	74.00	28.78	PK	Horizo	PASS
2	17385.00	37.75	51.91	14.160	68.30	16.39	PK	Horizo	PASS
3	11590.00	31.43	37.49	6.060	54.00	16.51	AV	Horizo	PASS

Transmit at 5795MHz by 802.11ac(40MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11590.00	39.61	45.67	6.060	74.00	28.33	PK	Vertic	PASS
2	17385.00	36.43	50.59	14.160	68.30	17.71	PK	Vertic	PASS
3	11590.00	31.98	38.04	6.060	54.00	15.96	AV	Vertic	PASS

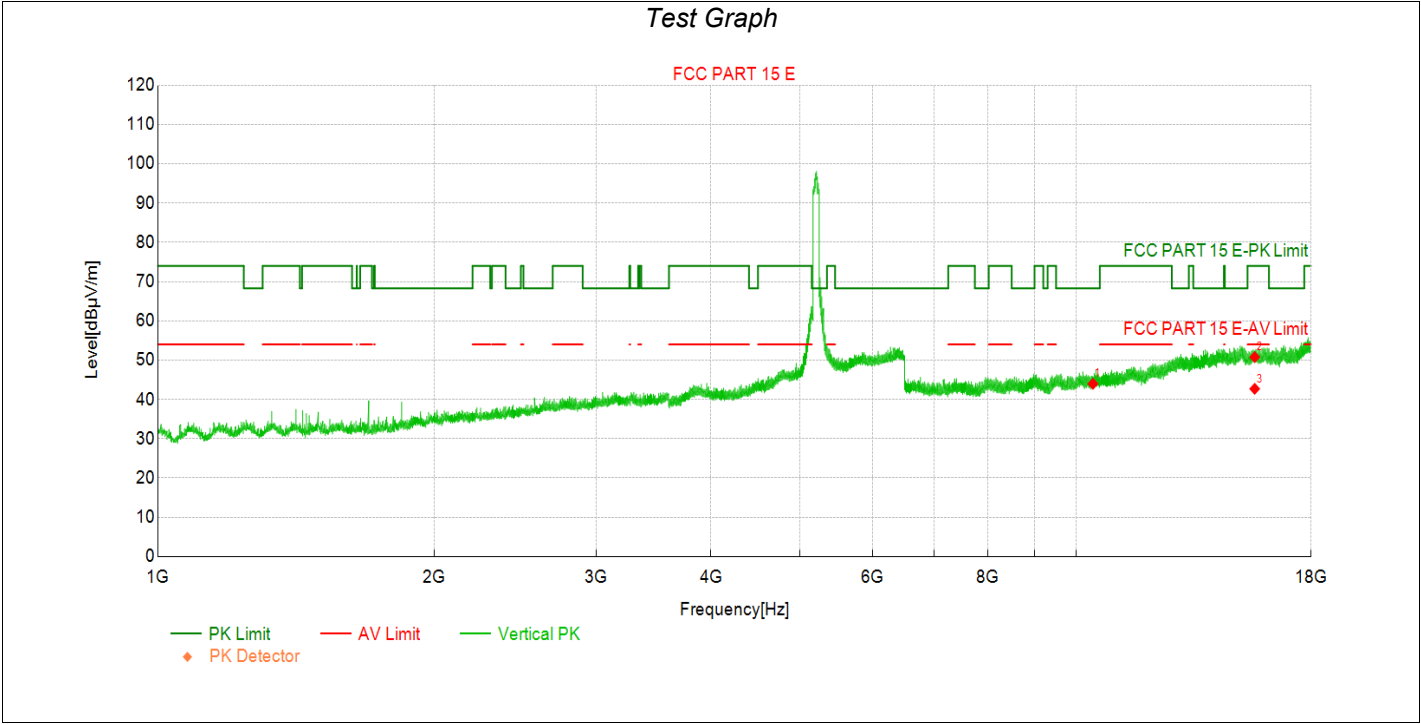
Transmit at 5210MHz by 802.11ac(80MHz)



Data List

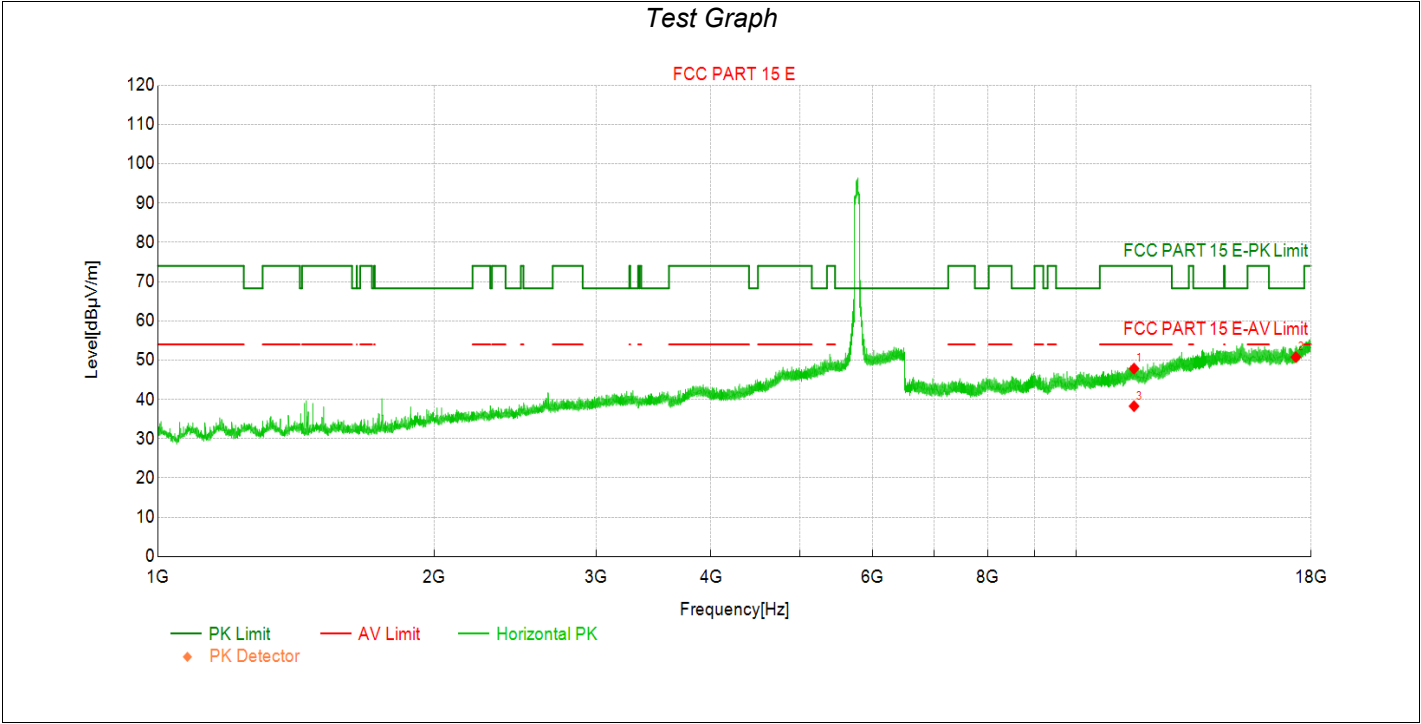
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	41.71	44.98	3.270	68.30	23.32	PK	Horizo	PASS
2	15630.00	37.39	50.35	12.960	74.00	23.65	PK	Horizo	PASS
3	15630.00	29.61	42.57	12.960	54.00	11.43	AV	Horizo	PASS

Transmit at 5210MHz by 802.11ac(80MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	40.70	43.97	3.270	68.30	24.33	PK	Vertic	PASS
2	15630.00	37.82	50.78	12.960	74.00	23.22	PK	Vertic	PASS
3	15630.00	29.75	42.71	12.960	54.00	11.29	AV	Vertic	PASS

Transmit at 5775MHz by 802.11ac(80MHz)

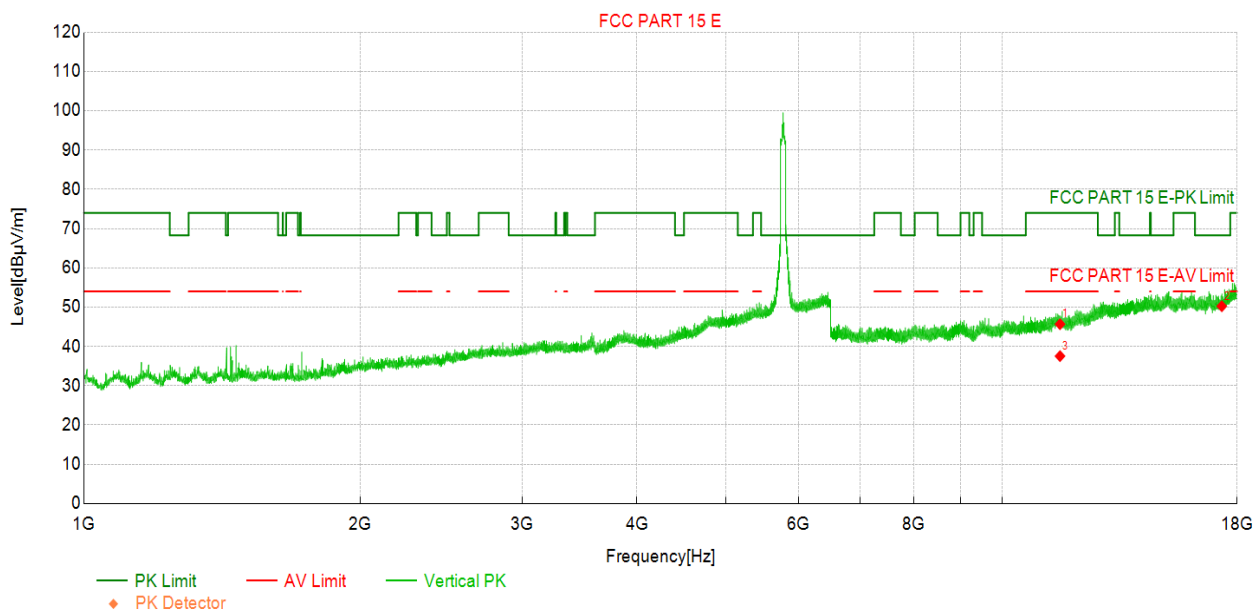


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11550.00	41.84	47.84	6.000	74.00	26.16	PK	Horizo	PASS
2	17325.00	36.60	50.76	14.160	68.30	17.54	PK	Horizo	PASS
3	11550.00	32.29	38.29	6.000	54.00	15.71	AV	Horizo	PASS

Transmit at 5775MHz by 802.11ac(80MHz)

Test Graph

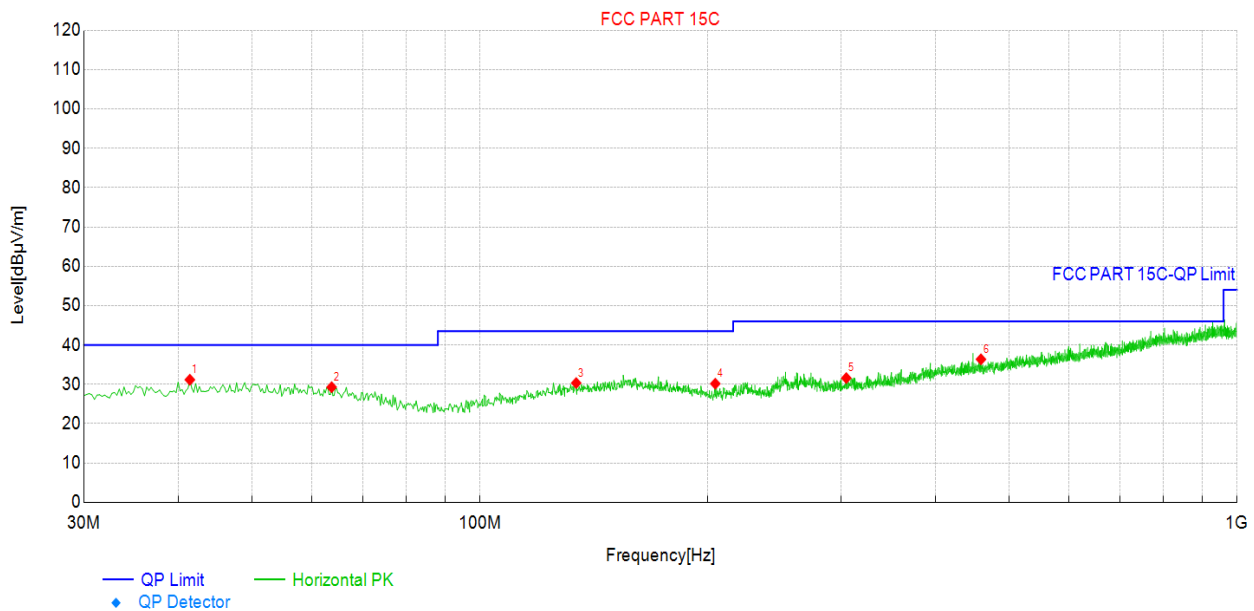


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11550.00	39.67	45.67	6.000	74.00	28.33	PK	Vertic	PASS
2	17325.00	36.08	50.24	14.160	68.30	18.06	PK	Vertic	PASS
3	11550.00	31.54	37.54	6.000	54.00	16.46	AV	Vertic	PASS

Note :

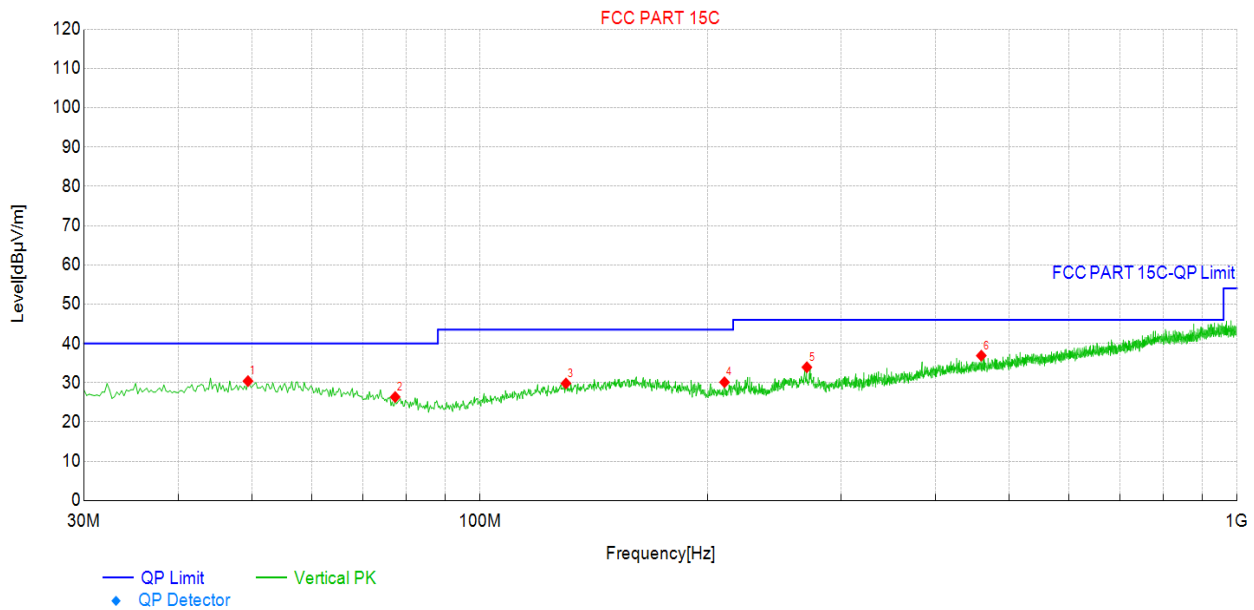
1. Level = Reading + Factor .
2. Margin = Limit - Level.
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. The test frequency range, 18GHz~40GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.

The worst case of Radiated Emission below 1GHz:**Transmit at 5180MHz by 802.11a****Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	41.40	16.51	31.17	14.660	40.00	8.83	PK	Horizo	PASS
2	63.71	15.25	29.28	14.030	40.00	10.72	PK	Horizo	PASS
3	134.03	16.07	30.33	14.260	43.50	13.17	PK	Horizo	PASS
4	204.60	17.82	30.16	12.340	43.50	13.34	PK	Horizo	PASS
5	304.75	15.40	31.59	16.190	46.00	14.41	PK	Horizo	PASS
6	458.98	15.83	36.37	20.540	46.00	9.63	PK	Horizo	PASS

Transmit at 5180MHz by 802.11a

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	49.40	15.67	30.41	14.740	40.00	9.59	PK	Vertic	PASS
2	77.29	15.05	26.37	11.320	40.00	13.63	PK	Vertic	PASS
3	129.91	15.77	29.83	14.060	43.50	13.67	PK	Vertic	PASS
4	210.42	17.64	30.13	12.490	43.50	13.37	PK	Vertic	PASS
5	270.32	19.04	33.95	14.910	46.00	12.05	PK	Vertic	PASS
6	459.47	16.35	36.90	20.550	46.00	9.10	PK	Vertic	PASS

Note:

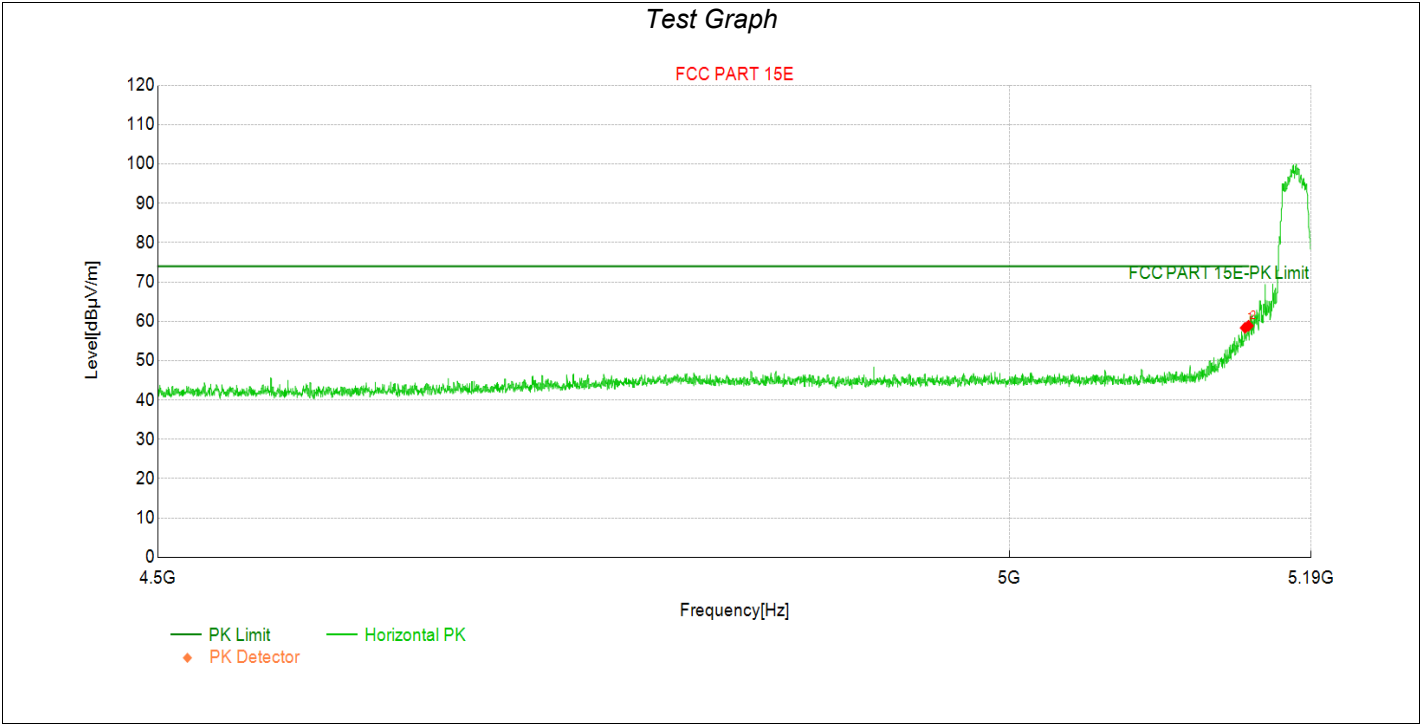
1. All Readings below 1GHz are PK, PK as an alternative to CISPR quasi-peak measurements or average measurements.
2. Level=Reading+Factor.

Appendix C: Power Output

Mode	Channel	Frequency (MHz)	Average power (dBm)	Limit(dBm)	Verdict
802.11a	36	5180	9.89	23.98	Pass
	40	5200	9.75	23.98	Pass
	48	5240	8.74	23.98	Pass
	149	5745	8.89	30.00	Pass
	157	5785	8.43	30.00	Pass
	165	5825	8.50	30.00	Pass
802.11ac20	36	5180	9.46	23.98	Pass
	40	5200	9.34	23.98	Pass
	48	5240	8.27	23.98	Pass
	149	5745	8.38	30.00	Pass
	157	5785	8.00	30.00	Pass
	165	5825	7.99	30.00	Pass
802.11ac40	38	5190	8.94	23.98	Pass
	46	5230	8.02	23.98	Pass
	151	5755	7.76	30.00	Pass
	159	5795	7.81	30.00	Pass
802.11ac80	42	5210	7.19	23.98	Pass
	155	5775	6.65	30.00	Pass

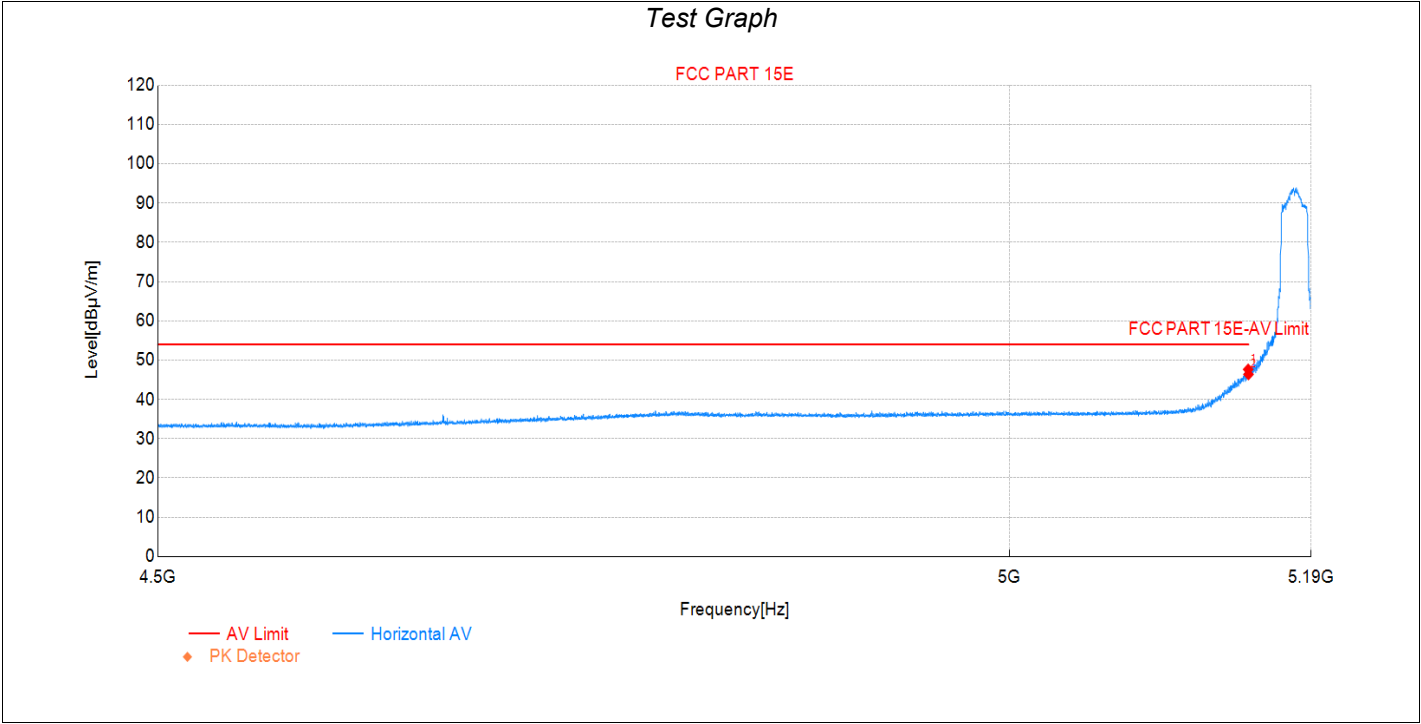
Appendix D: Radiated Emission Band Edge

Transmit at 5180MHz by 802.11a



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5147.82	47.33	58.33	11.000	74.00	15.67	PK	Horizo	PASS
2	5150.00	47.87	58.87	11.000	74.00	15.13	PK	Horizo	PASS

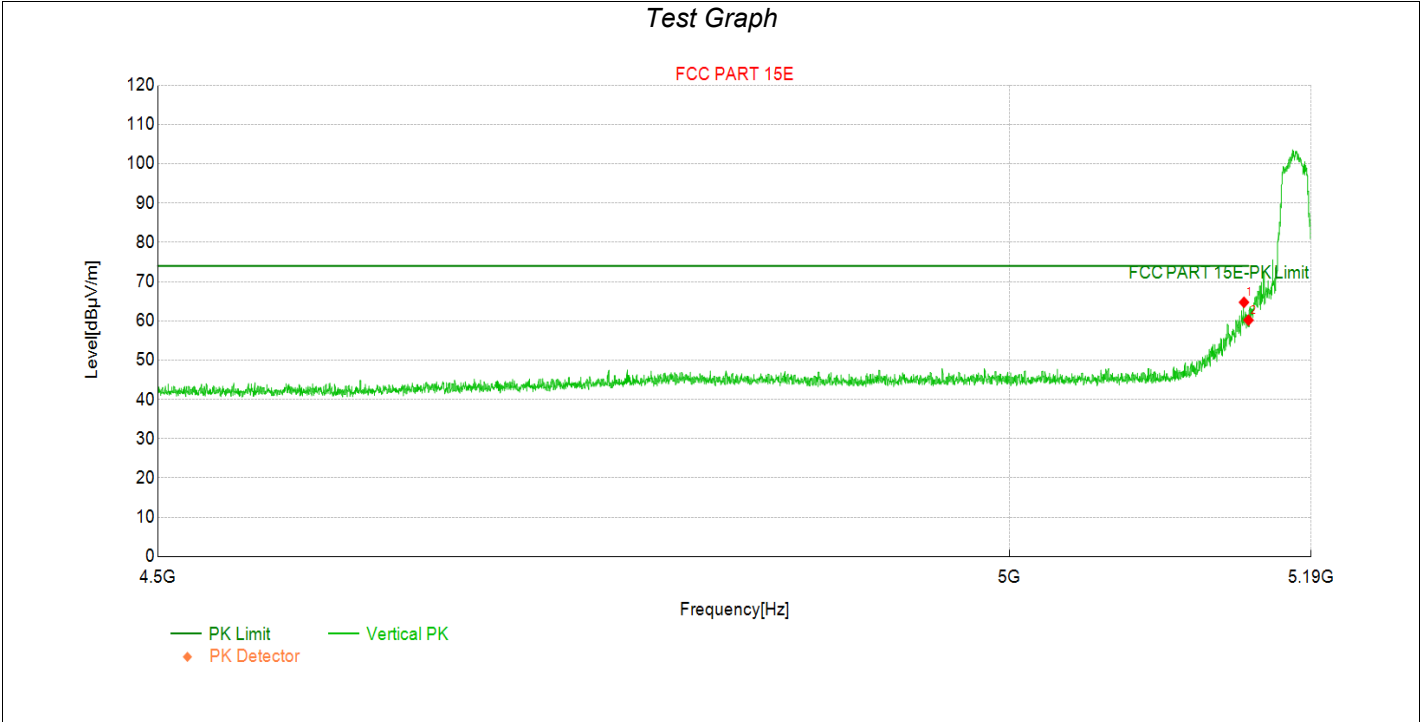
Transmit at 5180MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5149.81	36.64	47.64	11.000	54.00	6.36	AV	Horizo	PASS
2	5150.00	35.38	46.38	11.000	54.00	7.62	AV	Horizo	PASS

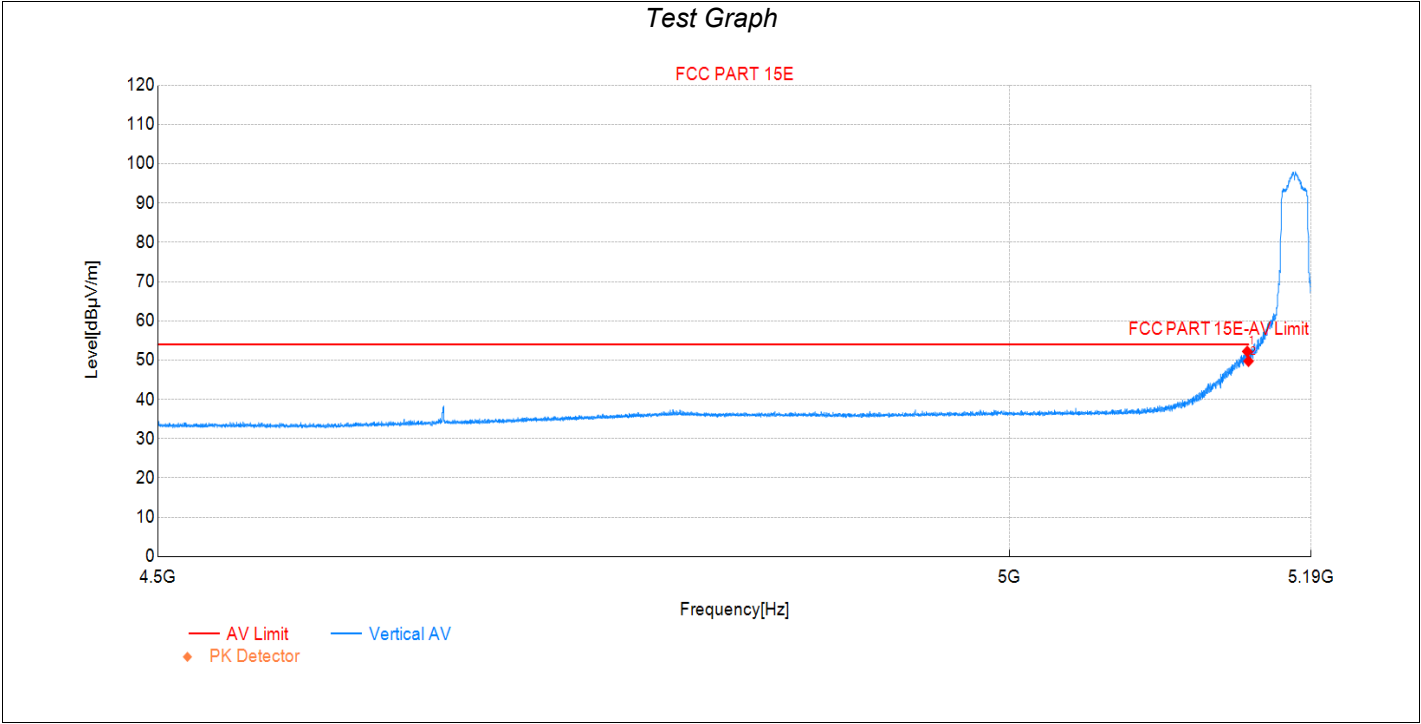
Transmit at 5180MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5147.13	53.72	64.72	11.000	74.00	9.28	PK	Vertic	PASS
2	5150.00	49.18	60.18	11.000	74.00	13.82	PK	Vertic	PASS

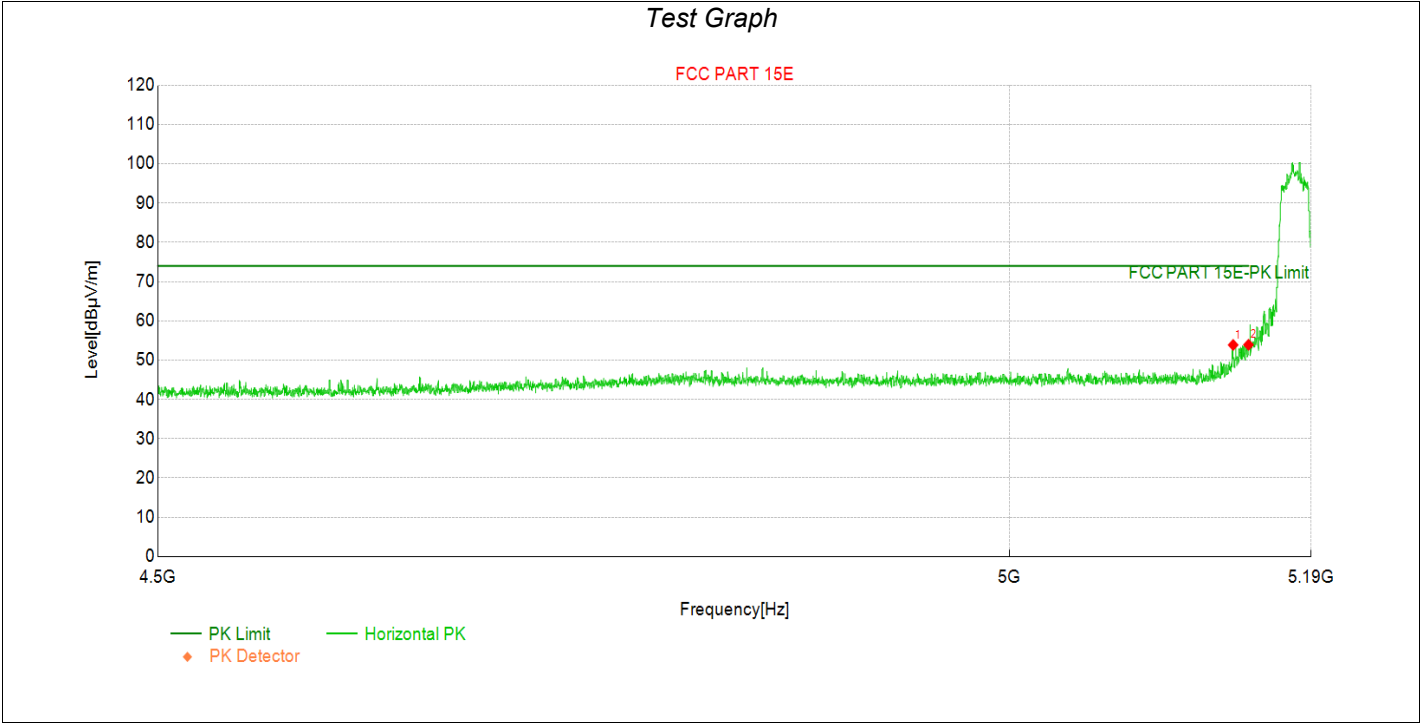
Transmit at 5180MHz by 802.11a



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5149.20	41.22	52.22	11.000	54.00	1.78	AV	Vertic	PASS
2	5150.00	38.75	49.75	11.000	54.00	4.25	AV	Vertic	PASS

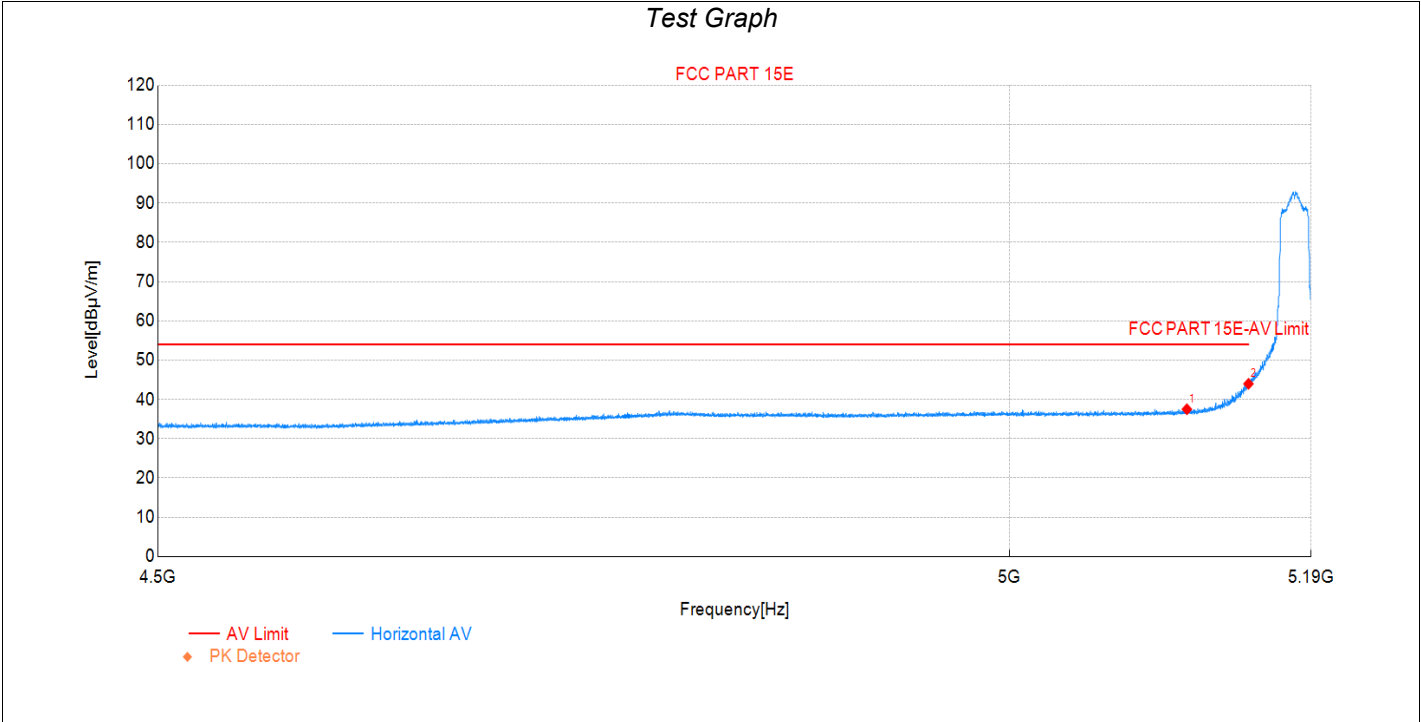
Transmit at 5180MHz by 802.11ac(20MHz)



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5140.23	42.88	53.87	10.990	74.00	20.13	PK	Horizo	PASS
2	5150.00	42.91	53.91	11.000	74.00	20.09	PK	Horizo	PASS

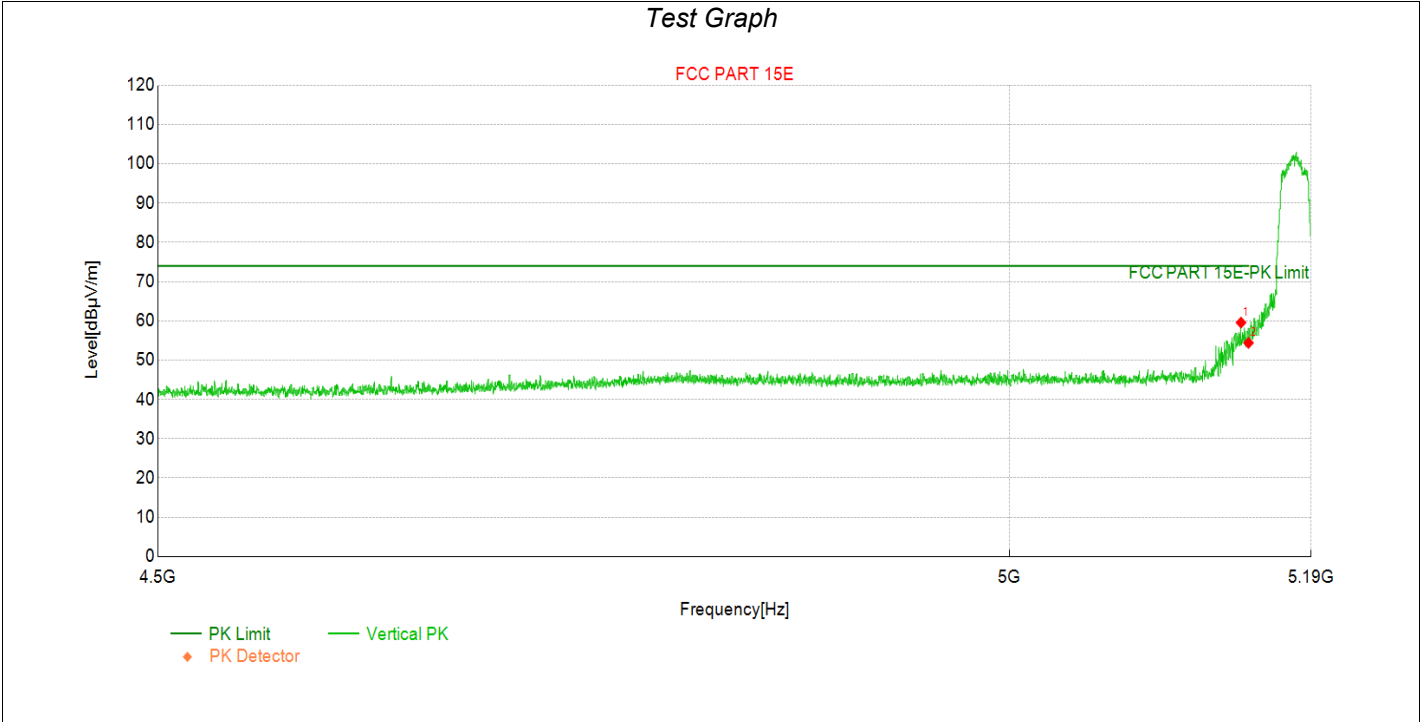
Transmit at 5180MHz by 802.11ac(20MHz)



Data List

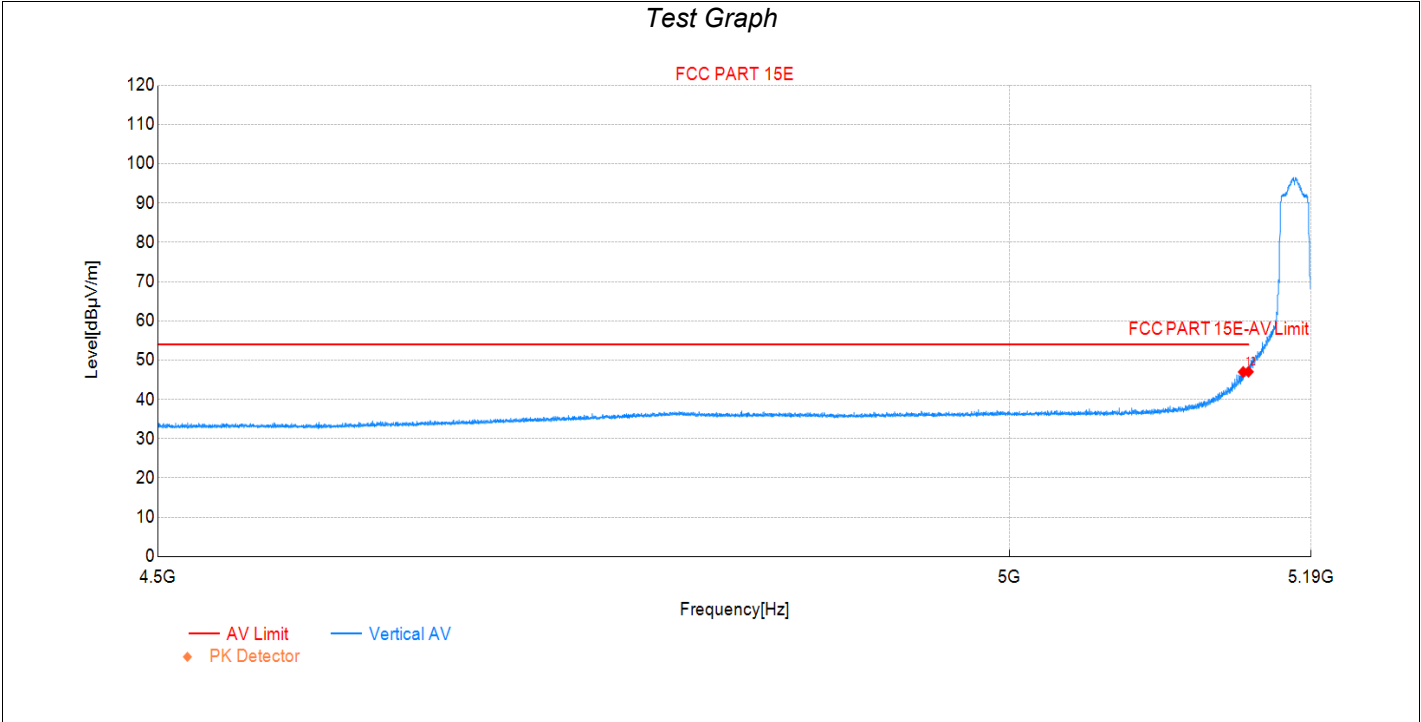
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5110.91	26.55	37.51	10.960	54.00	16.49	AV	Horizo	PASS
2	5150.00	32.98	43.98	11.000	54.00	10.02	AV	Horizo	PASS

Transmit at 5180MHz by 802.11ac(20MHz)



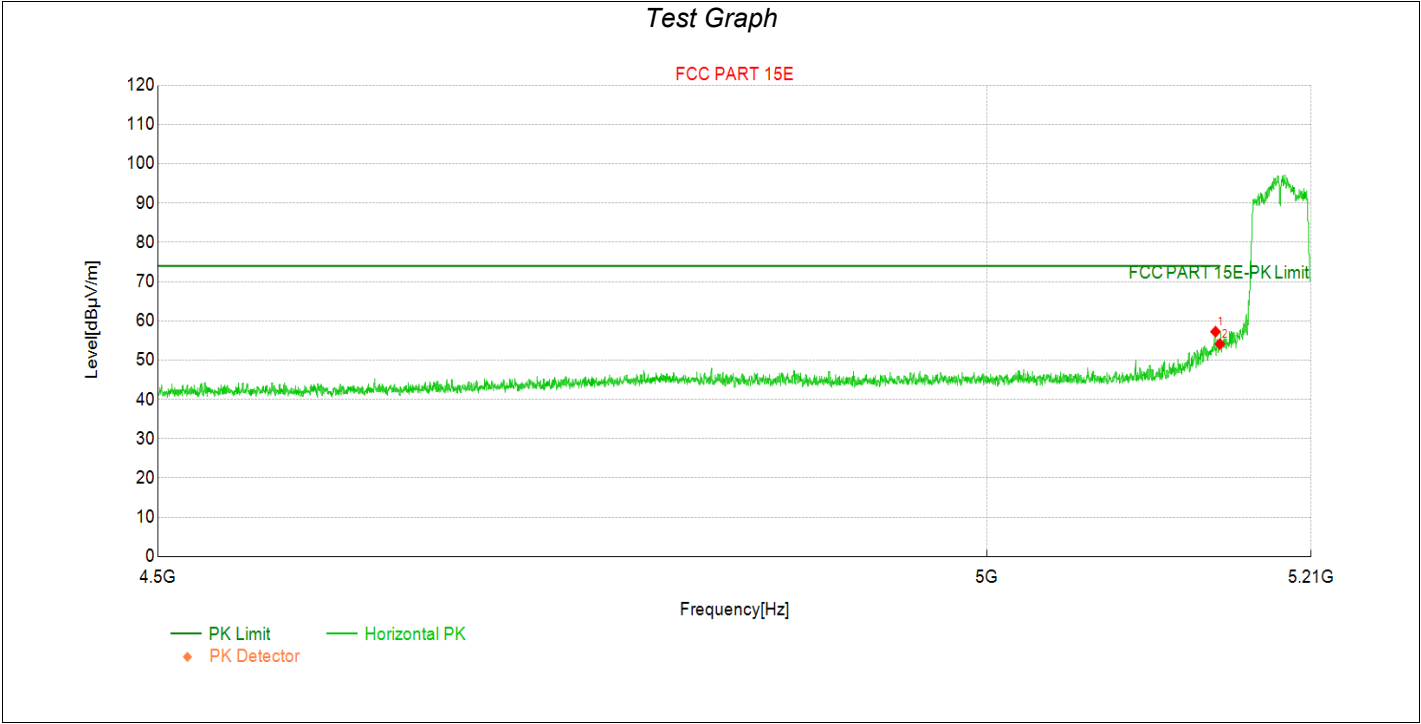
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5145.24	48.57	59.56	10.990	74.00	14.44	PK	Vertic	PASS
2	5150.00	43.41	54.41	11.000	74.00	19.59	PK	Vertic	PASS

Transmit at 5180MHz by 802.11ac(20MHz)



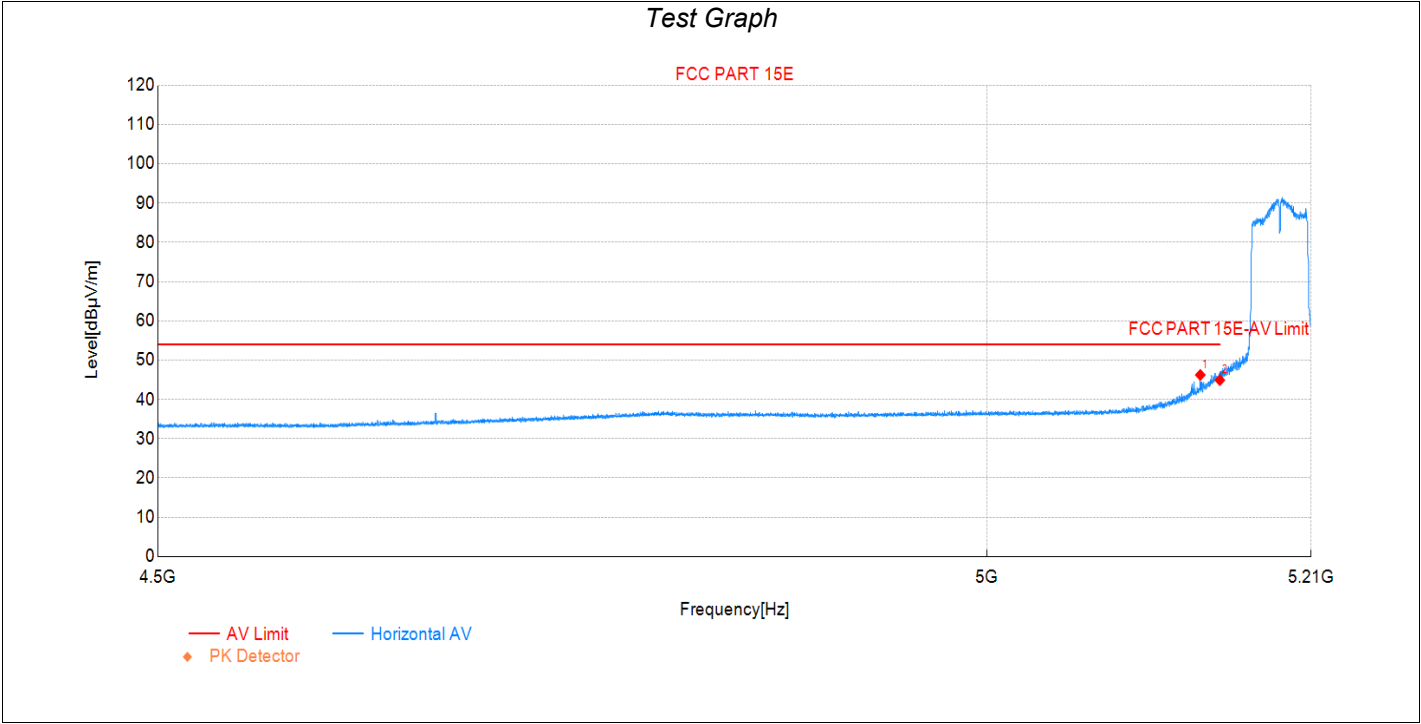
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5146.62	35.99	46.99	11.000	54.00	7.01	AV	Vertic	PASS
2	5150.00	36.05	47.05	11.000	54.00	6.95	AV	Vertic	PASS

Transmit at 5190MHz by 802.11ac(40MHz)



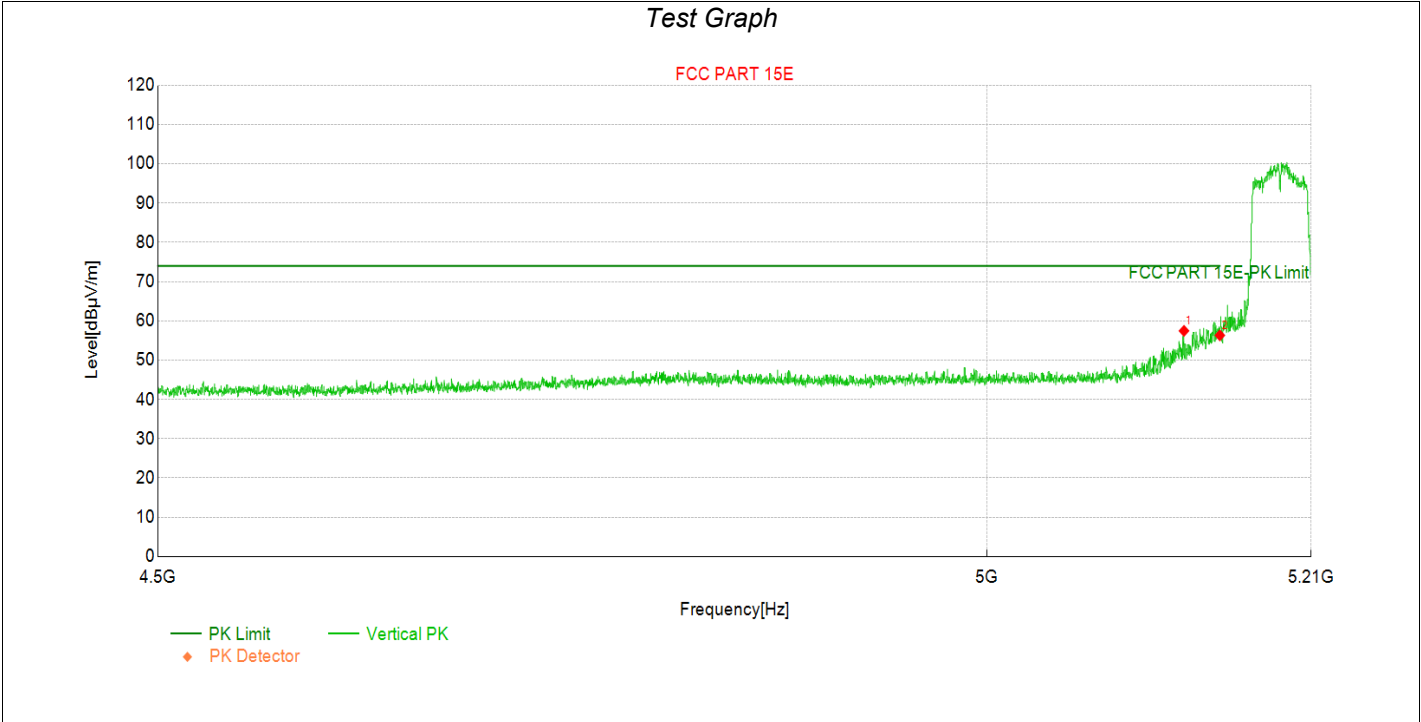
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5147.17	46.24	57.24	11.000	74.00	16.76	PK	Horizo	PASS
2	5150.00	43.11	54.11	11.000	74.00	19.89	PK	Horizo	PASS

Transmit at 5190MHz by 802.11ac(40MHz)



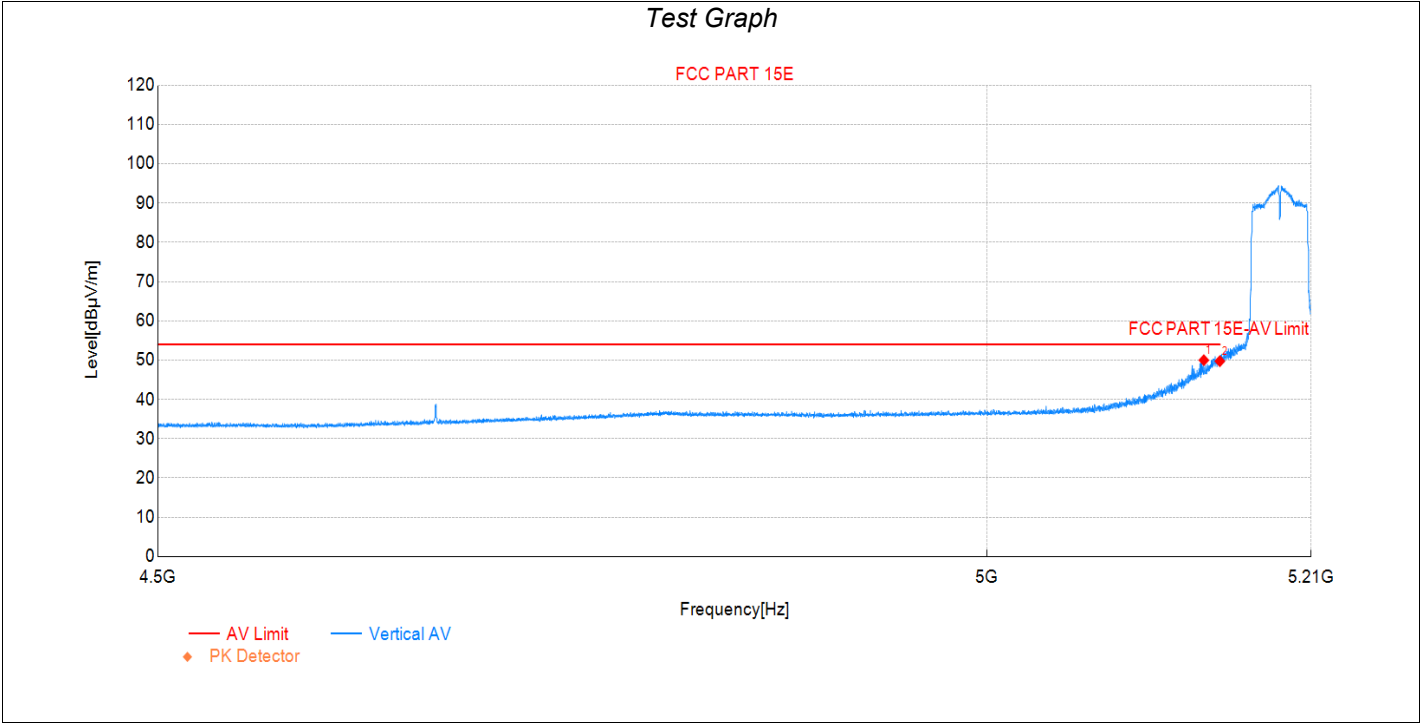
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5137.23	35.26	46.24	10.980	54.00	7.76	AV	Horizo	PASS
2	5150.00	33.92	44.92	11.000	54.00	9.08	AV	Horizo	PASS

Transmit at 5190MHz by 802.11ac(40MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5126.58	46.49	57.46	10.970	74.00	16.54	PK	Vertic	PASS
2	5150.00	45.31	56.31	11.000	74.00	17.69	PK	Vertic	PASS

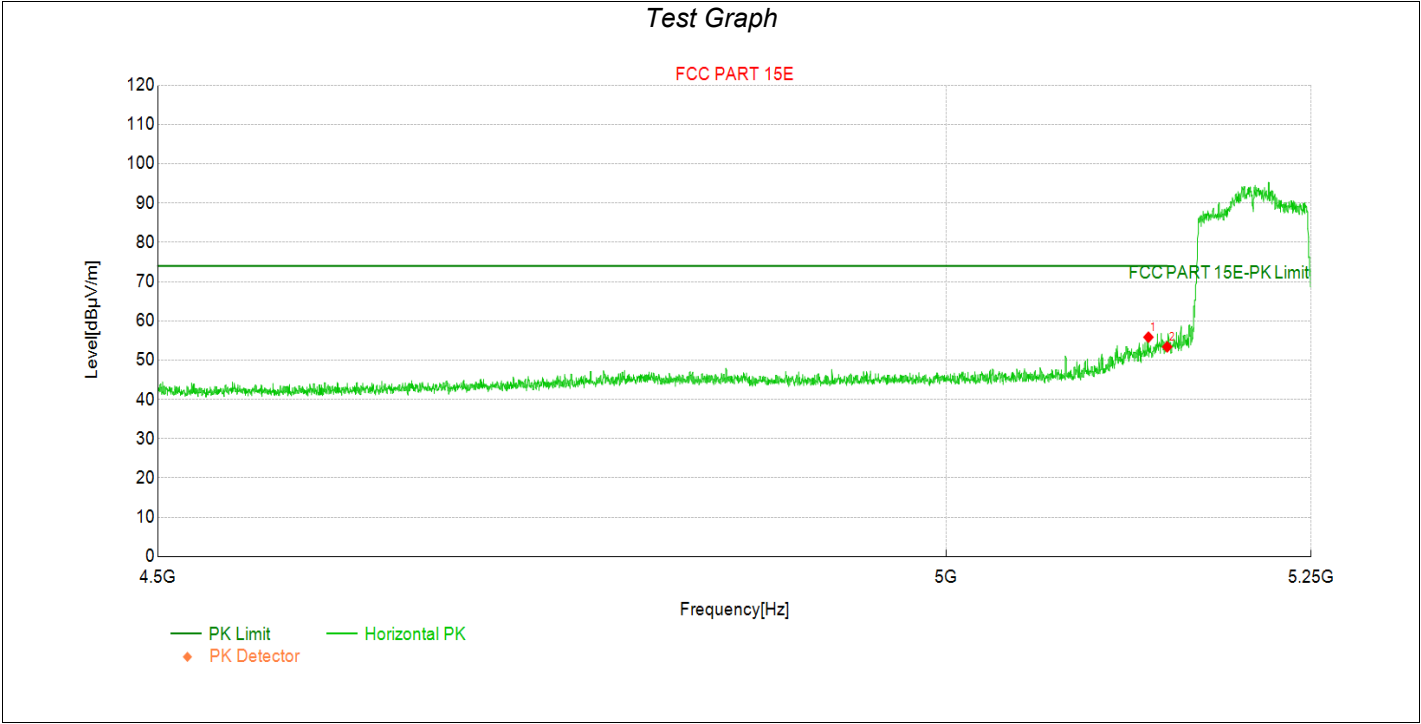
Transmit at 5190MHz by 802.11ac(40MHz)



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5139.53	39.00	49.99	10.990	54.00	4.01	AV	Vertic	PASS
2	5150.00	38.74	49.74	11.000	54.00	4.26	AV	Vertic	PASS

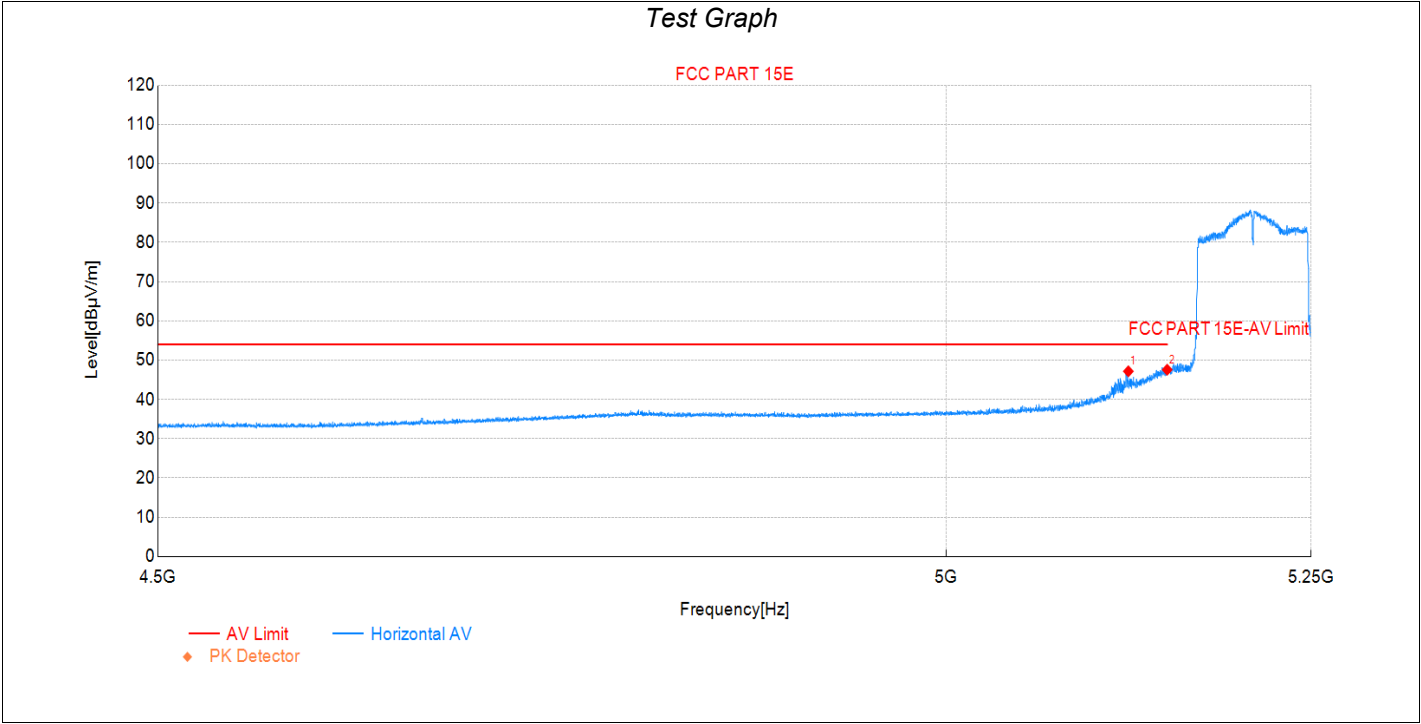
Transmit at 5210MHz by 802.11ac(80MHz)



Data List

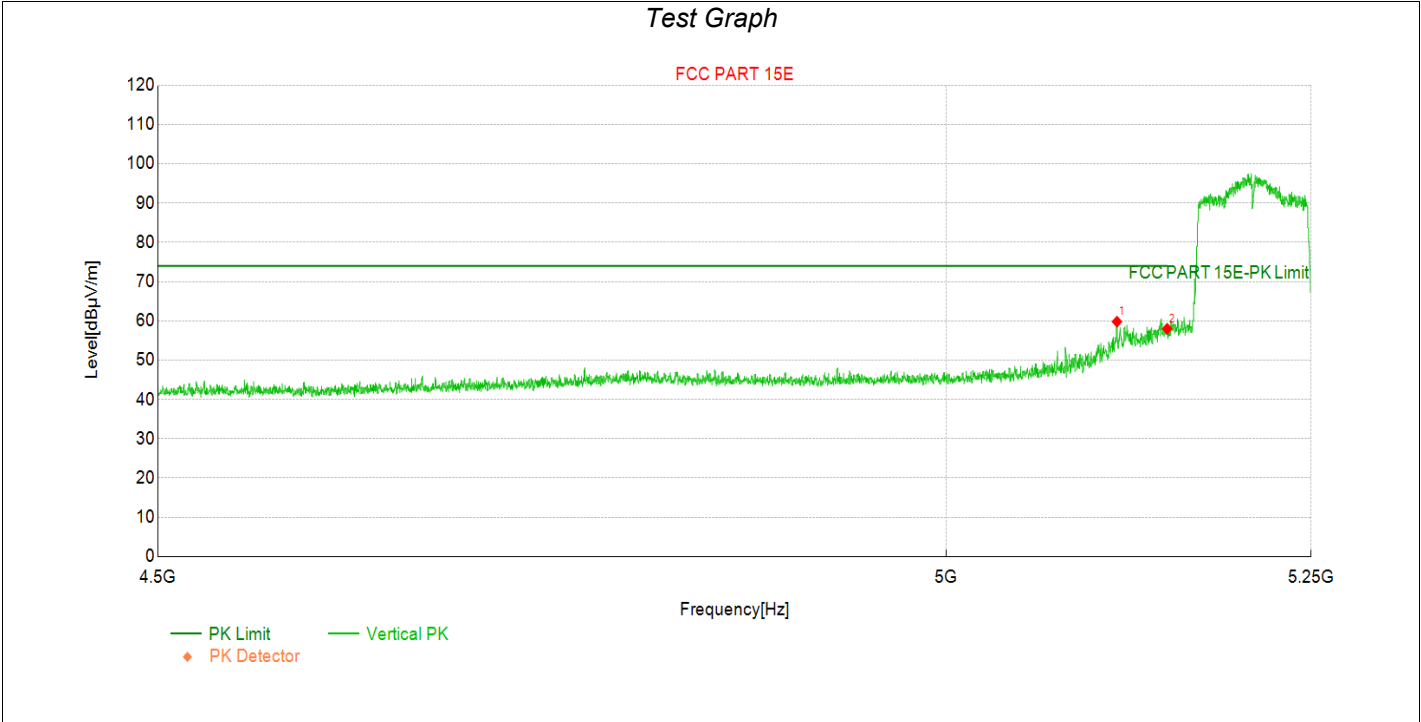
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5137.13	44.86	55.84	10.980	74.00	18.16	PK	Horizo	PASS
2	5150.00	42.39	53.39	11.000	74.00	20.61	PK	Horizo	PASS

Transmit at 5210MHz by 802.11ac(80MHz)



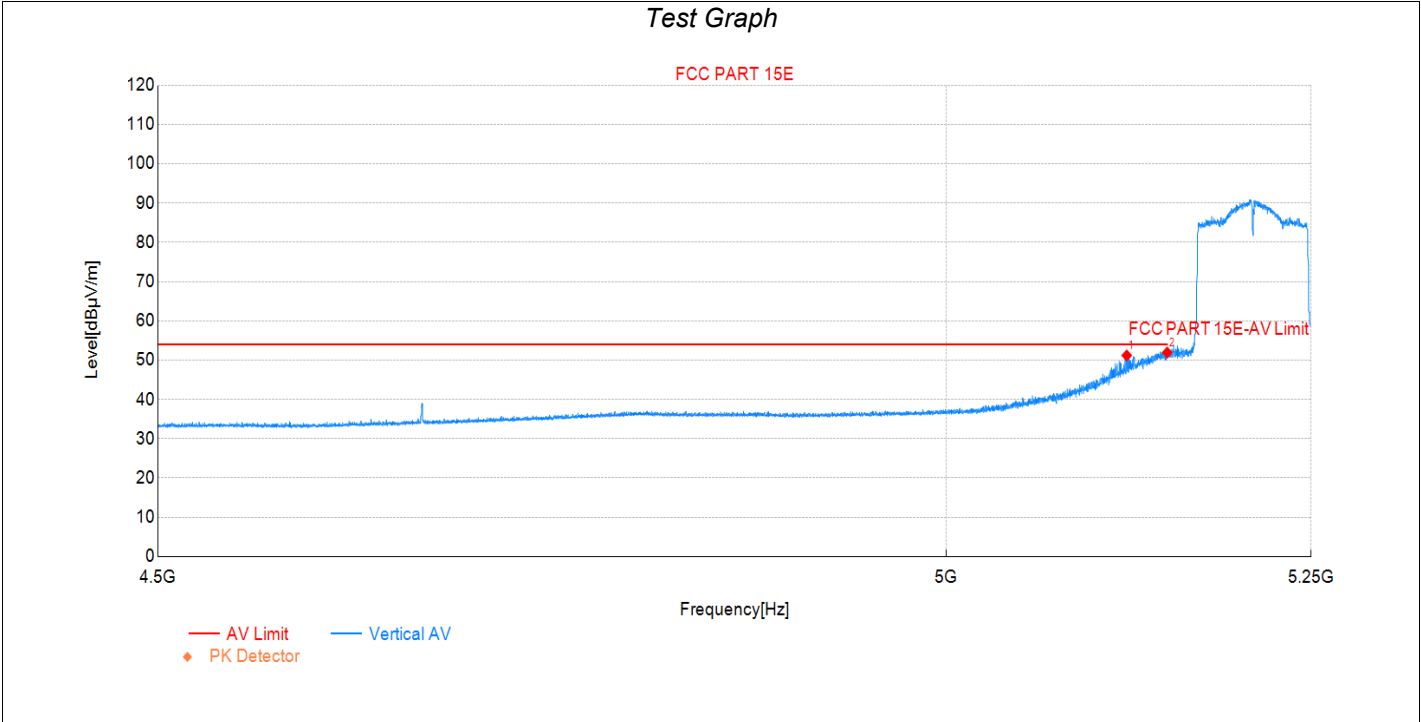
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5123.34	36.18	47.16	10.980	54.00	6.84	AV	Horizo	PASS
2	5150.00	36.57	47.57	11.000	54.00	6.43	AV	Horizo	PASS

Transmit at 5210MHz by 802.11ac(80MHz)



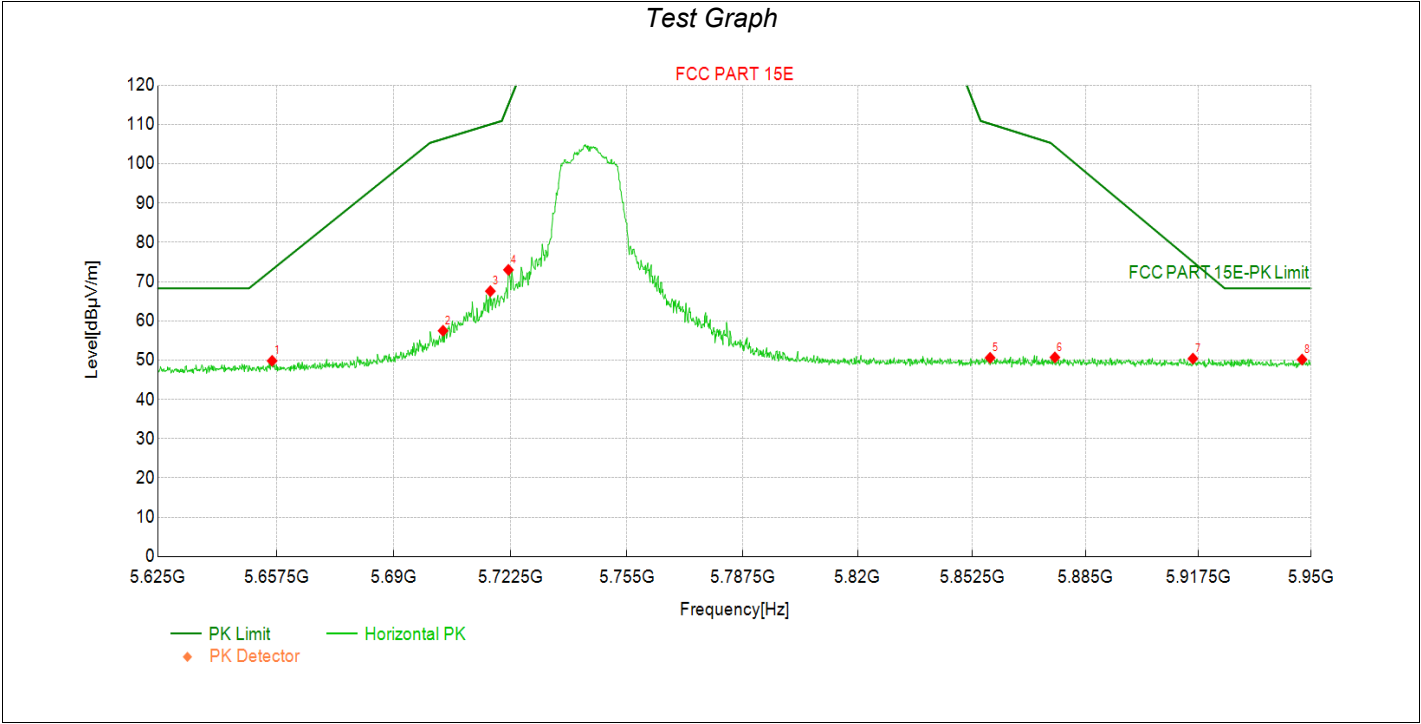
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5115.56	48.84	59.81	10.970	74.00	14.19	PK	Vertic	PASS
2	5150.00	46.98	57.98	11.000	74.00	16.02	PK	Vertic	PASS

Transmit at 5210MHz by 802.11ac(80MHz)



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5122.22	40.22	51.20	10.980	54.00	2.80	AV	Vertic	PASS
2	5150.00	40.95	51.95	11.000	54.00	2.05	AV	Vertic	PASS

Transmit at 5745MHz by 802.11a

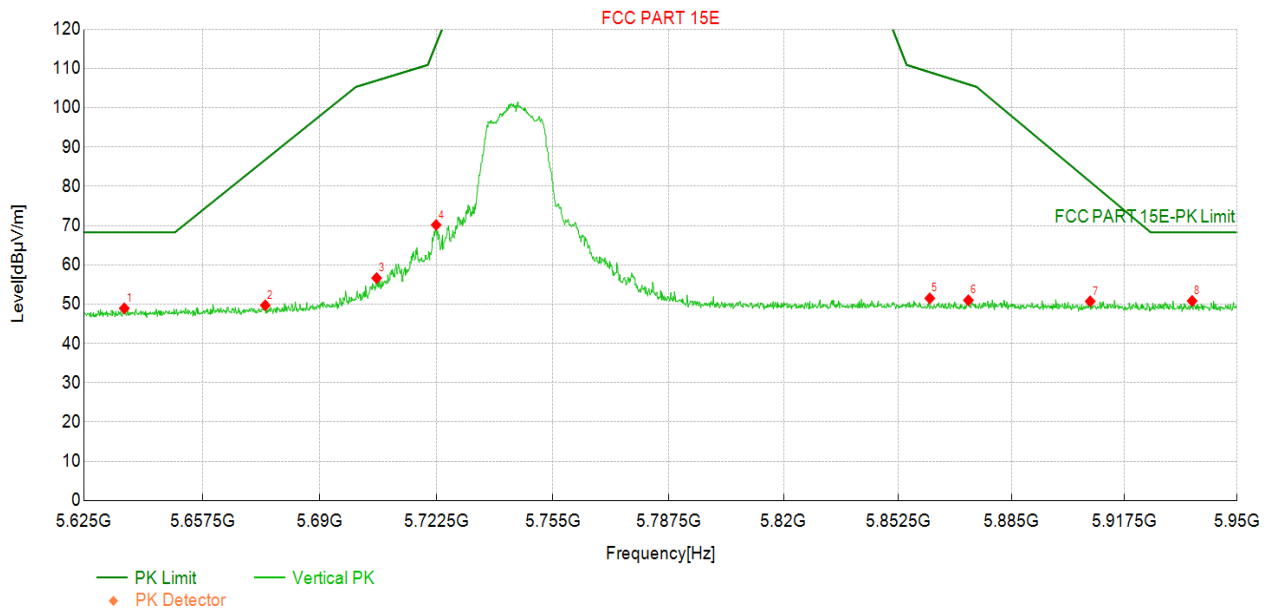


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5656.36	37.05	49.83	12.780	73.03	23.20	PK	Horizo	PASS
2	5703.65	44.30	57.49	13.190	106.32	48.83	PK	Horizo	PASS
3	5716.81	54.28	67.56	13.280	110.01	42.45	PK	Horizo	PASS
4	5721.85	59.66	72.98	13.320	115.12	42.14	PK	Horizo	PASS
5	5857.70	36.90	50.59	13.690	110.14	59.55	PK	Horizo	PASS
6	5876.23	37.05	50.71	13.660	104.39	53.68	PK	Horizo	PASS
7	5915.88	36.77	50.40	13.630	75.03	24.63	PK	Horizo	PASS
8	5947.40	36.55	50.16	13.610	68.30	18.14	PK	Horizo	PASS

Transmit at 5745MHz by 802.11a

Test Graph

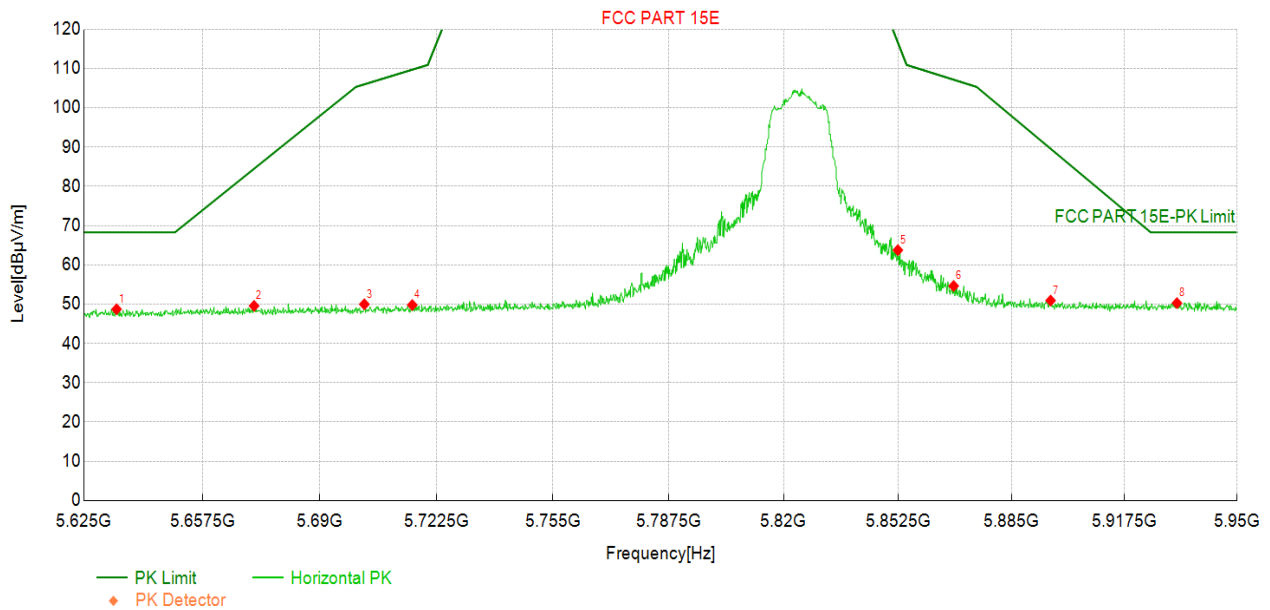


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5636.05	36.32	48.94	12.620	68.30	19.36	PK	Vertic	PASS
2	5674.89	36.76	49.70	12.940	86.76	37.06	PK	Vertic	PASS
3	5705.76	43.43	56.63	13.200	106.92	50.29	PK	Vertic	PASS
4	5722.34	56.84	70.16	13.320	116.23	46.07	PK	Vertic	PASS
5	5861.60	37.80	51.49	13.690	109.05	57.56	PK	Vertic	PASS
6	5872.65	37.32	50.99	13.670	105.96	54.97	PK	Vertic	PASS
7	5907.59	37.09	50.71	13.620	81.15	30.44	PK	Vertic	PASS
8	5937.00	37.21	50.82	13.610	68.30	17.48	PK	Vertic	PASS

Transmit at 5825MHz by 802.11a

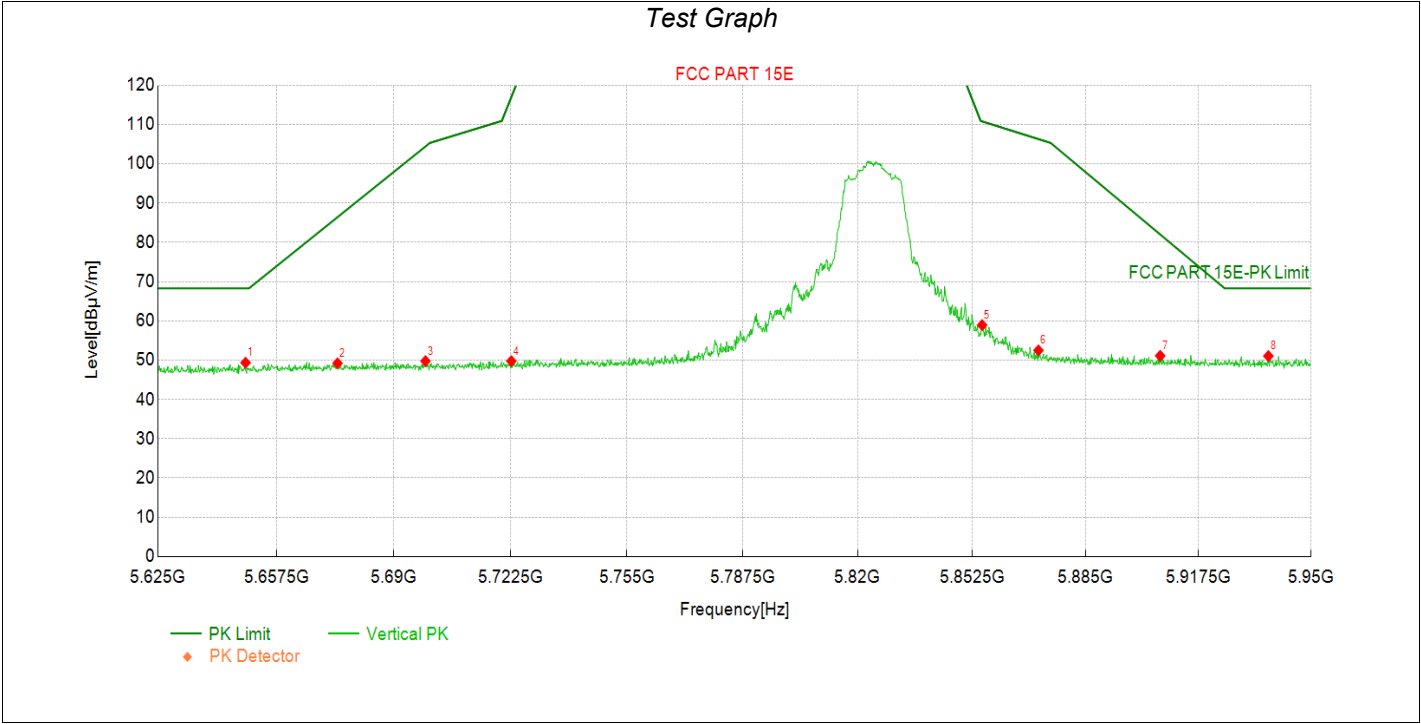
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5633.94	36.10	48.70	12.600	68.30	19.60	PK	Horizo	PASS
2	5671.80	36.64	49.56	12.920	84.47	34.91	PK	Horizo	PASS
3	5702.35	36.79	49.97	13.180	105.96	55.99	PK	Horizo	PASS
4	5715.68	36.50	49.78	13.280	109.69	59.91	PK	Horizo	PASS
5	5852.50	50.06	63.76	13.700	116.60	52.84	PK	Horizo	PASS
6	5868.43	40.95	54.63	13.680	107.14	52.51	PK	Horizo	PASS
7	5896.21	37.29	50.92	13.630	89.56	38.64	PK	Horizo	PASS
8	5932.61	36.66	50.27	13.610	68.30	18.03	PK	Horizo	PASS

Transmit at 5825MHz by 802.11a

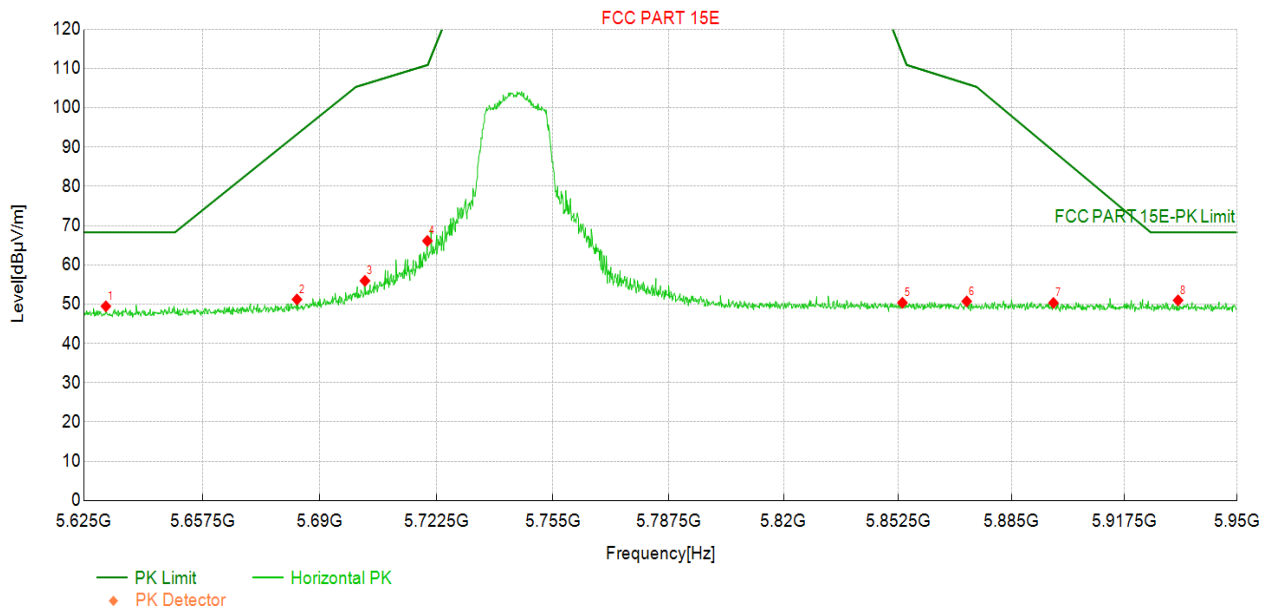


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5649.05	36.62	49.35	12.730	68.30	18.95	PK	Vertic	PASS
2	5674.40	36.27	49.21	12.940	86.40	37.19	PK	Vertic	PASS
3	5698.78	36.62	49.77	13.150	104.40	54.63	PK	Vertic	PASS
4	5722.66	36.44	49.77	13.330	116.97	67.20	PK	Vertic	PASS
5	5855.43	45.23	58.92	13.690	110.78	51.86	PK	Vertic	PASS
6	5871.51	38.83	52.50	13.670	106.28	53.78	PK	Vertic	PASS
7	5906.45	37.48	51.11	13.630	81.99	30.88	PK	Vertic	PASS
8	5937.65	37.44	51.05	13.610	68.30	17.25	PK	Vertic	PASS

Transmit at 5745MHz by 802.11ac(20MHz)

Test Graph

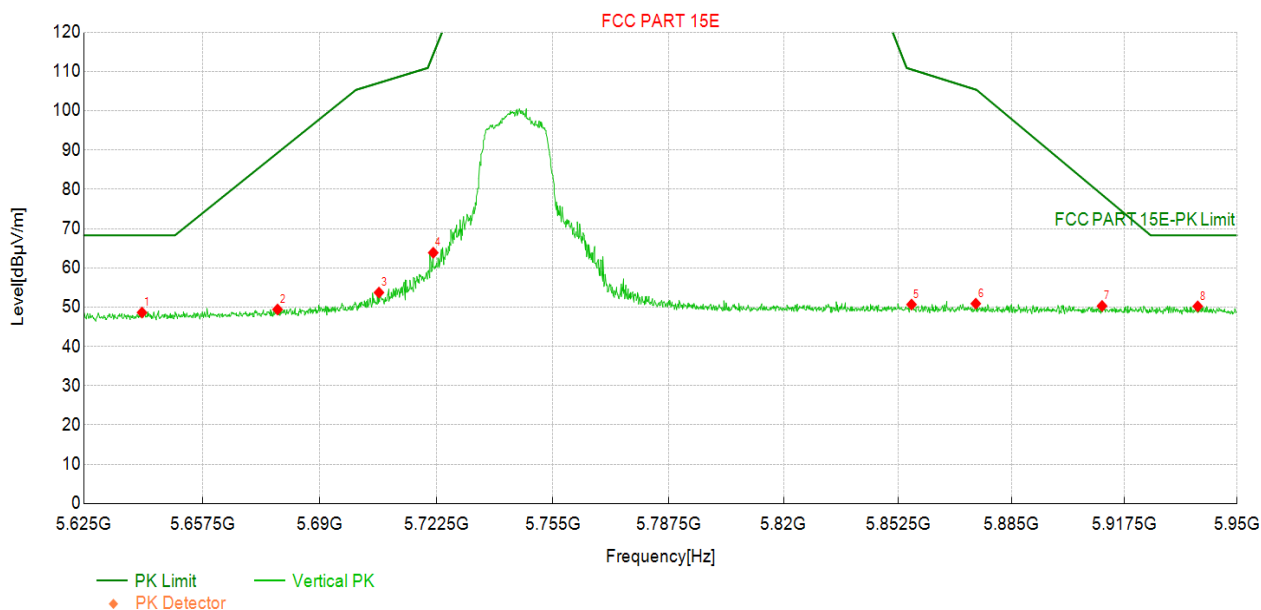


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5631.01	36.88	49.46	12.580	68.30	18.84	PK	Horizo	PASS
2	5683.66	38.19	51.21	13.020	93.25	42.04	PK	Horizo	PASS
3	5702.51	42.75	55.93	13.180	106.00	50.07	PK	Horizo	PASS
4	5719.90	52.81	66.11	13.300	110.87	44.76	PK	Horizo	PASS
5	5853.80	36.66	50.36	13.700	113.64	63.28	PK	Horizo	PASS
6	5872.16	37.04	50.71	13.670	106.09	55.38	PK	Horizo	PASS
7	5897.03	36.69	50.32	13.630	88.96	38.64	PK	Horizo	PASS
8	5932.94	37.35	50.97	13.620	68.30	17.33	PK	Horizo	PASS

Transmit at 5745MHz by 802.11ac(20MHz)

Test Graph

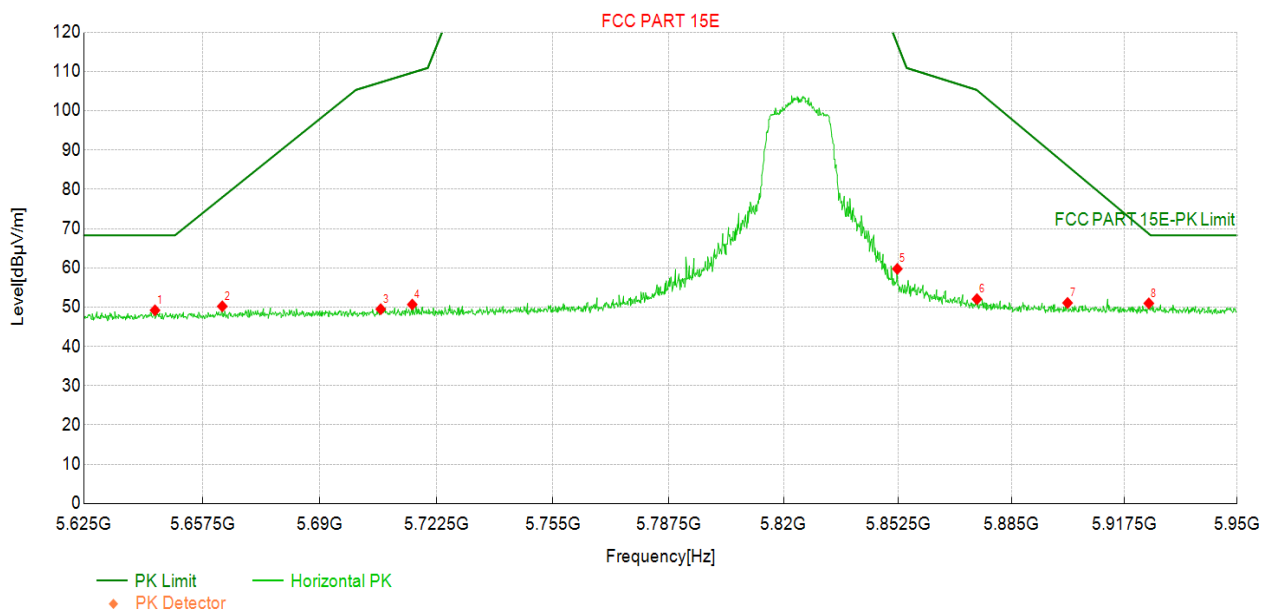


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5640.93	35.98	48.63	12.650	68.30	19.67	PK	Vertic	PASS
2	5678.30	36.44	49.41	12.970	89.28	39.87	PK	Vertic	PASS
3	5706.41	40.51	53.72	13.210	107.10	53.38	PK	Vertic	PASS
4	5721.53	50.54	63.86	13.320	114.38	50.52	PK	Vertic	PASS
5	5856.40	36.98	50.67	13.690	110.51	59.84	PK	Vertic	PASS
6	5874.76	37.22	50.89	13.670	105.37	54.48	PK	Vertic	PASS
7	5911.00	36.68	50.30	13.620	78.63	28.33	PK	Vertic	PASS
8	5938.63	36.60	50.21	13.610	68.30	18.09	PK	Vertic	PASS

Transmit at 5825MHz by 802.11ac(20MHz)

Test Graph

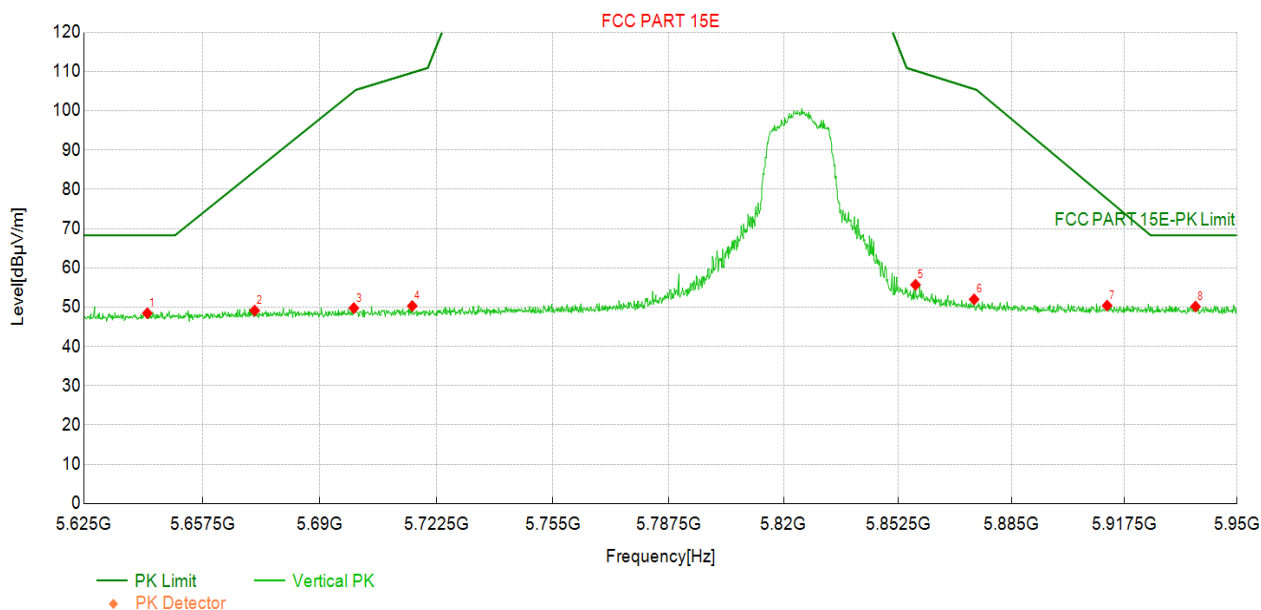


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5644.50	36.52	49.20	12.680	68.30	19.10	PK	Horizo	PASS
2	5663.03	37.38	50.22	12.840	77.97	27.75	PK	Horizo	PASS
3	5706.90	36.28	49.49	13.210	107.23	57.74	PK	Horizo	PASS
4	5715.68	37.39	50.67	13.280	109.69	59.02	PK	Horizo	PASS
5	5852.34	46.04	59.74	13.700	116.97	57.23	PK	Horizo	PASS
6	5875.09	38.39	52.05	13.660	105.23	53.18	PK	Horizo	PASS
7	5901.09	37.45	51.08	13.630	85.96	34.88	PK	Horizo	PASS
8	5924.49	37.35	50.97	13.620	68.68	17.71	PK	Horizo	PASS

Transmit at 5825MHz by 802.11ac(20MHz)

Test Graph

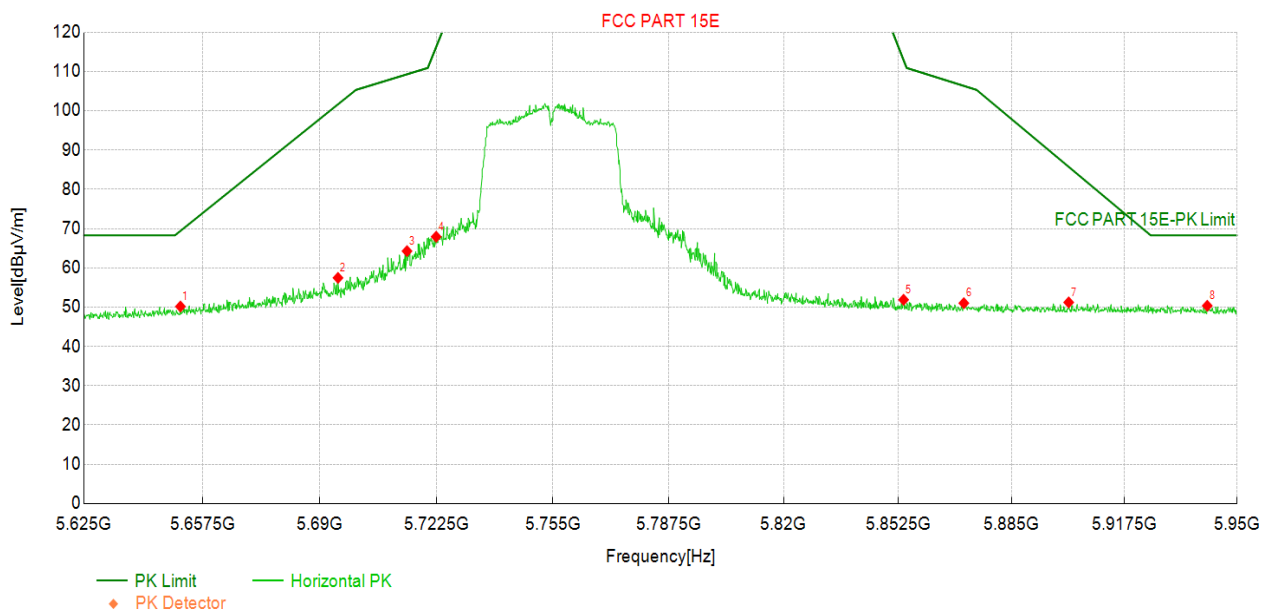


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5642.39	35.79	48.46	12.670	68.30	19.84	PK	Vertic	PASS
2	5671.96	36.20	49.12	12.920	84.59	35.47	PK	Vertic	PASS
3	5699.43	36.60	49.76	13.160	104.88	55.12	PK	Vertic	PASS
4	5715.68	37.02	50.30	13.280	109.69	59.39	PK	Vertic	PASS
5	5857.54	42.01	55.70	13.690	110.19	54.49	PK	Vertic	PASS
6	5874.28	38.32	51.99	13.670	105.50	53.51	PK	Vertic	PASS
7	5912.46	36.77	50.40	13.630	77.55	27.15	PK	Vertic	PASS
8	5937.98	36.56	50.17	13.610	68.30	18.13	PK	Vertic	PASS

Transmit at 5755MHz by 802.11ac(40MHz)

Test Graph

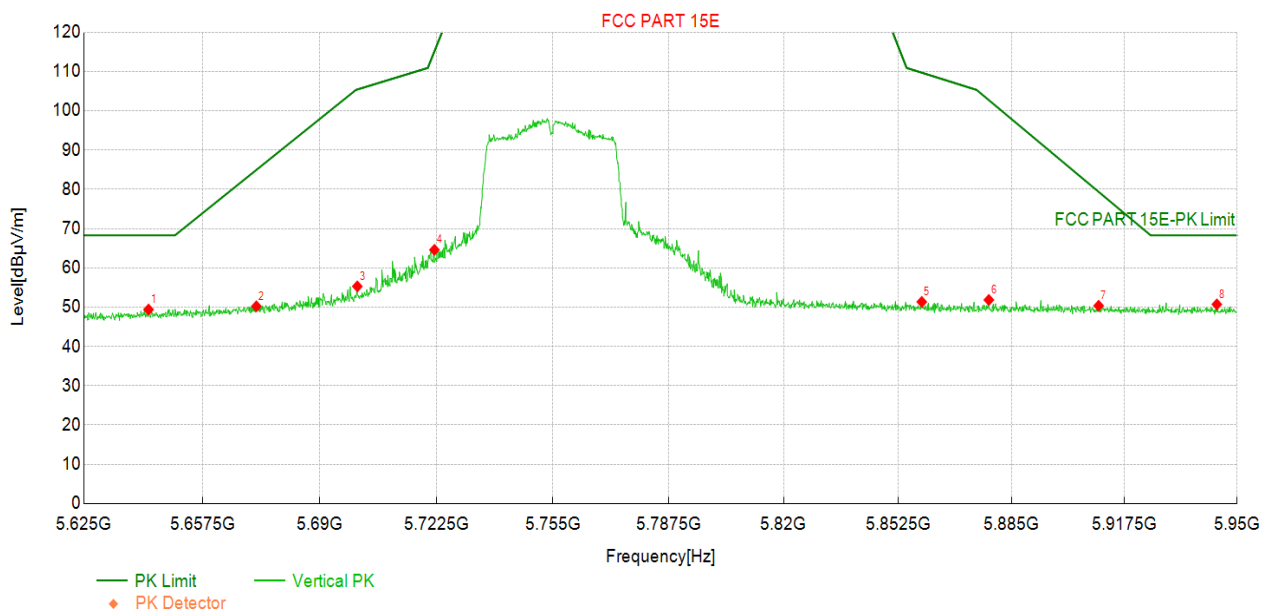


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5651.49	37.43	50.17	12.740	69.41	19.24	PK	Horizo	PASS
2	5695.04	44.35	57.46	13.110	101.64	44.18	PK	Horizo	PASS
3	5714.21	51.00	64.26	13.260	109.28	45.02	PK	Horizo	PASS
4	5722.34	54.60	67.92	13.320	116.23	48.31	PK	Horizo	PASS
5	5854.13	38.18	51.88	13.700	112.89	61.01	PK	Horizo	PASS
6	5871.35	37.35	51.02	13.670	106.32	55.30	PK	Horizo	PASS
7	5901.41	37.59	51.22	13.630	85.72	34.50	PK	Horizo	PASS
8	5941.39	36.74	50.35	13.610	68.30	17.95	PK	Horizo	PASS

Transmit at 5755MHz by 802.11ac(40MHz)

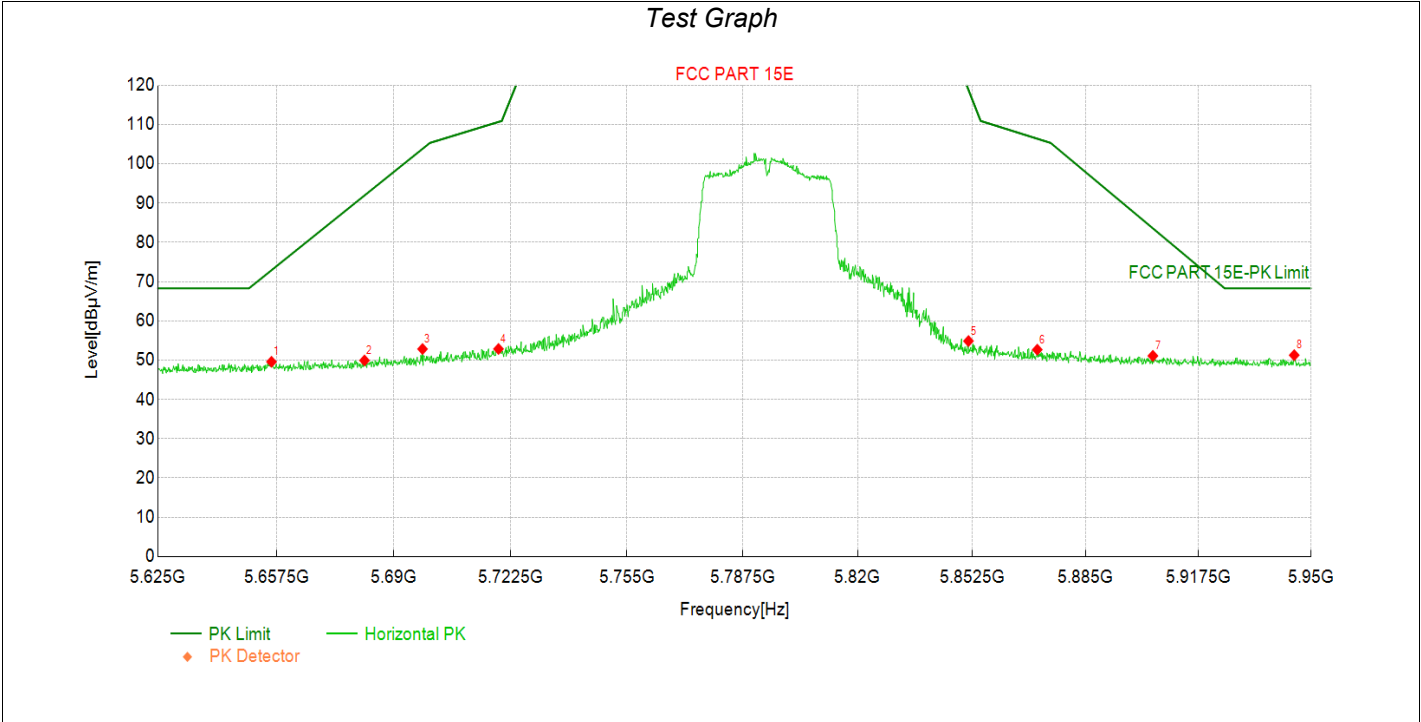
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5642.71	36.73	49.40	12.670	68.30	18.90	PK	Vertic	PASS
2	5672.45	37.30	50.22	12.920	84.95	34.73	PK	Vertic	PASS
3	5700.40	42.13	55.29	13.160	105.41	50.12	PK	Vertic	PASS
4	5721.85	51.27	64.59	13.320	115.12	50.53	PK	Vertic	PASS
5	5859.33	37.65	51.34	13.690	109.69	58.35	PK	Vertic	PASS
6	5878.50	38.18	51.84	13.660	102.70	50.86	PK	Vertic	PASS
7	5910.03	36.73	50.36	13.630	79.35	28.99	PK	Vertic	PASS
8	5944.15	37.11	50.72	13.610	68.30	17.58	PK	Vertic	PASS

Transmit at 5755MHz by 802.11ac(40MHz)

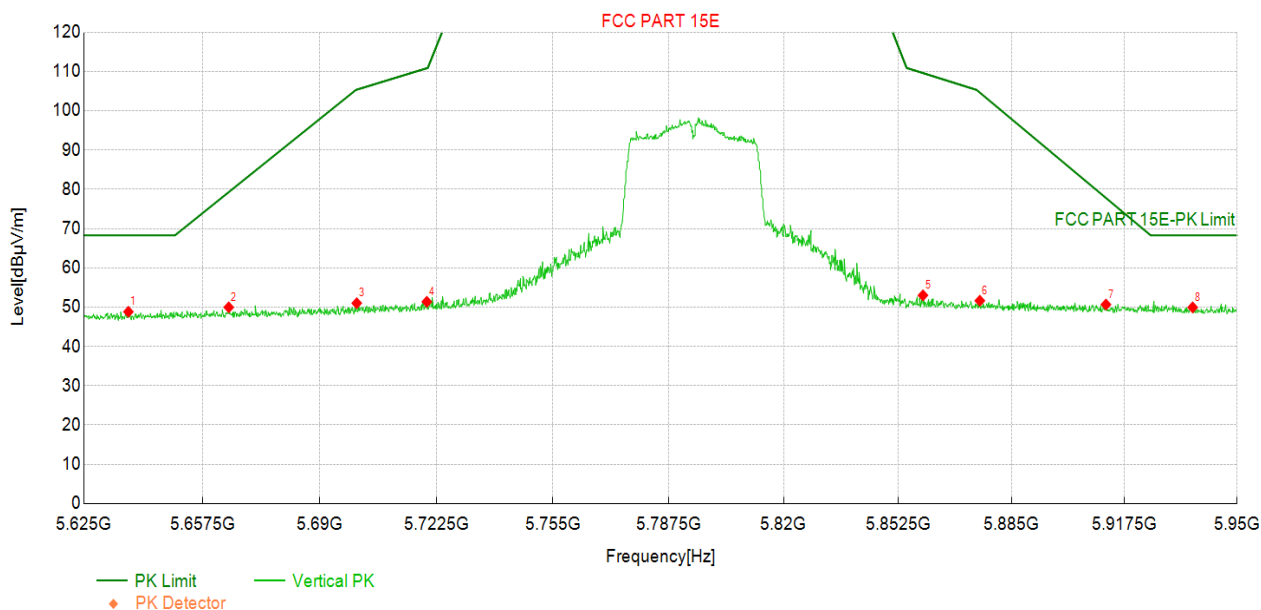


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5656.20	36.80	49.58	12.780	72.91	23.33	PK	Horizo	PASS
2	5681.88	36.93	49.93	13.000	91.93	42.00	PK	Horizo	PASS
3	5697.96	39.70	52.84	13.140	103.80	50.96	PK	Horizo	PASS
4	5719.09	39.55	52.85	13.300	110.64	57.79	PK	Horizo	PASS
5	5851.53	41.16	54.86	13.700	118.82	63.96	PK	Horizo	PASS
6	5871.19	39.01	52.68	13.670	106.37	53.69	PK	Horizo	PASS
7	5904.34	37.47	51.10	13.630	83.55	32.45	PK	Horizo	PASS
8	5945.13	37.66	51.27	13.610	68.30	17.03	PK	Horizo	PASS

Transmit at 5755MHz by 802.11ac(40MHz)

Test Graph

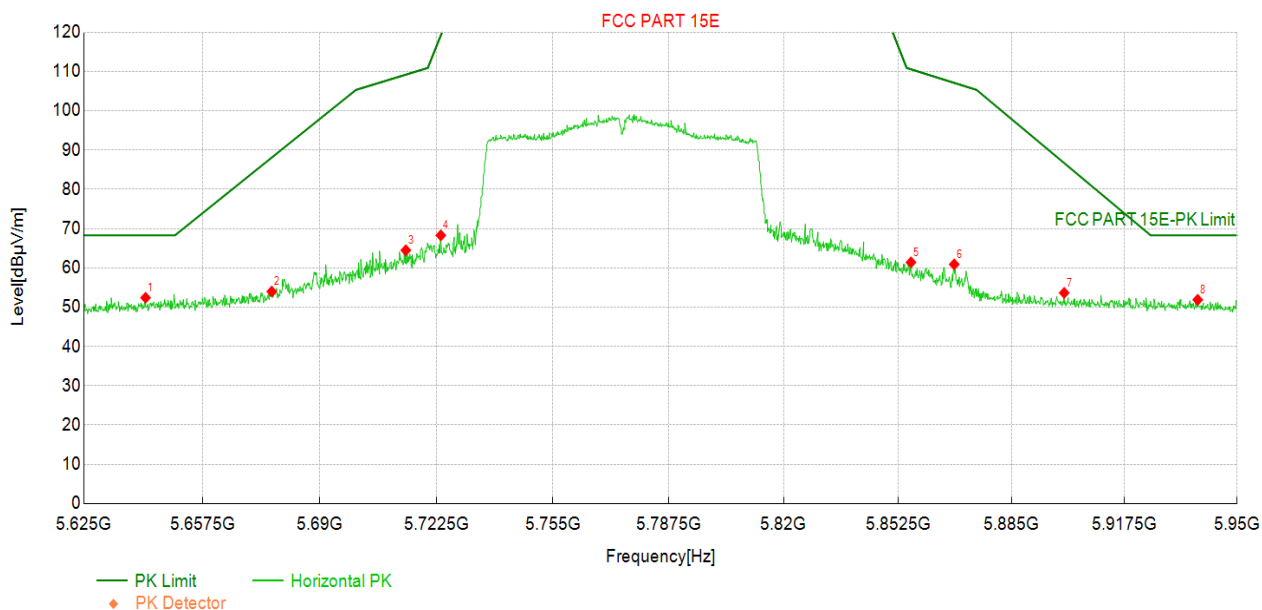


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5637.19	36.20	48.83	12.630	68.30	19.47	PK	Vertic	PASS
2	5664.81	37.10	49.96	12.860	79.30	29.34	PK	Vertic	PASS
3	5700.24	37.85	51.01	13.160	105.37	54.36	PK	Vertic	PASS
4	5719.74	38.07	51.37	13.300	110.83	59.46	PK	Vertic	PASS
5	5859.65	39.32	53.01	13.690	109.60	56.59	PK	Vertic	PASS
6	5875.90	37.98	51.64	13.660	104.63	52.99	PK	Vertic	PASS
7	5912.14	37.04	50.67	13.630	77.79	27.12	PK	Vertic	PASS
8	5937.16	36.33	49.94	13.610	68.30	18.36	PK	Vertic	PASS

Transmit at 5775MHz by 802.11ac(80MHz)

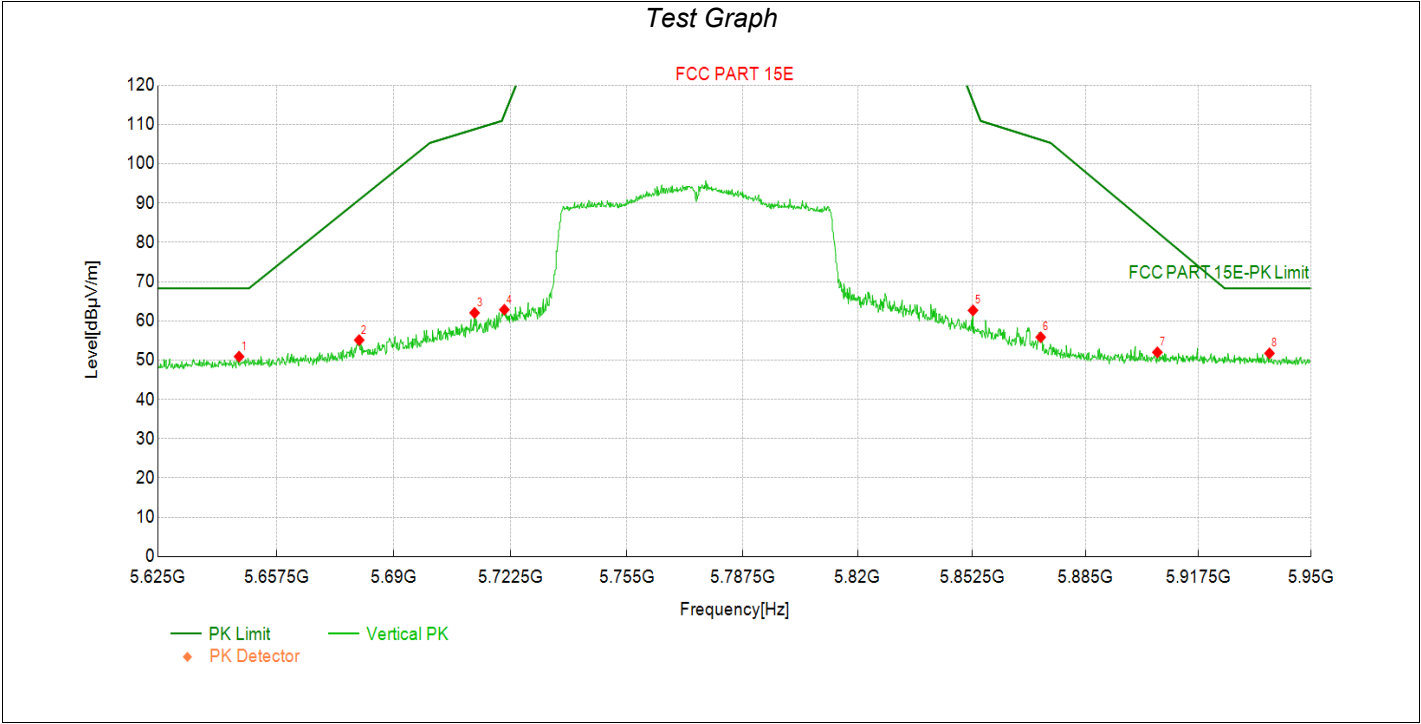
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5641.90	39.74	52.40	12.660	68.30	15.90	PK	Horizo	PASS
2	5676.68	41.02	53.98	12.960	88.08	34.10	PK	Horizo	PASS
3	5713.89	51.22	64.48	13.260	109.19	44.71	PK	Horizo	PASS
4	5723.64	54.95	68.28	13.330	119.19	50.91	PK	Horizo	PASS
5	5856.24	47.72	61.41	13.690	110.55	49.14	PK	Horizo	PASS
6	5868.59	47.22	60.90	13.680	107.09	46.19	PK	Horizo	PASS
7	5900.11	40.01	53.64	13.630	86.68	33.04	PK	Horizo	PASS
8	5938.63	38.27	51.88	13.610	68.30	16.42	PK	Horizo	PASS

Transmit at 5775MHz by 802.11ac(80MHz)



Data List

NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	5647.26	38.20	50.91	12.710	68.30	17.39	PK	Vertic	PASS
2	5680.41	42.11	55.10	12.990	90.84	35.74	PK	Vertic	PASS
3	5712.43	48.79	62.04	13.250	108.78	46.74	PK	Vertic	PASS
4	5720.71	49.53	62.84	13.310	112.53	49.69	PK	Vertic	PASS
5	5852.83	48.97	62.67	13.700	115.86	53.19	PK	Vertic	PASS
6	5872.16	42.18	55.85	13.670	106.09	50.24	PK	Vertic	PASS
7	5905.64	38.37	52.00	13.630	82.59	30.59	PK	Vertic	PASS
8	5937.98	38.13	51.74	13.610	68.30	16.56	PK	Vertic	PASS

Note:

1.Level=Reading+Factor .

2. Margin=Limit-Level.

The End