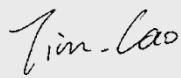


Test report No:
2640202R.714

FCC TEST REPORT

Product	Notebook PC
Model and /or type reference	S5452M / K5452M / V5452M
Trademark	ASUS
FCC ID	TX2-RTL8852B
Applicant's name / address	Realtek Semiconductor Corp. No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
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)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Frank He / Technical Manager 
Date of issue	2026-07-01
Report Version	V1.0
Report template No.	Template_FCC Part 15C-RF-V1.0

INDEX

	page
General conditions	3
Document History	4
Test Summary	5
Used Equipment	7
Uncertainty	9
1 General Information	10
2 Description of Test Setup	14
3 Verdict summary section	15
3.1 Standards	15
3.2 Deviation(s) from the Standard(s) / Test Specification(s)	15
4 Test Items Of Limit/Setup/Procedure	16
4.1 AC Power Line Conducted Emission	16
4.2 Radiated Emissions	17
4.3 Power Output	20
4.4 Radiated Emission Band Edge	22
4.5 Antenna Requirement	25
5 Test setup photo and EUT Photo	26
AC Power Line Conducted Emission	28
Radiated Emission	36
Maximum Conducted Output Power	324
Radiated Emission Band Edge	328

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.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 8213, Fanhua Avenue, Baohe District, Hefei City, Anhui Province, China
Test Facility	A2LA (Certificate No. 6579.01) CNAS (Certificate No. L21125) FCC - Designation Number: CN1231 Test Firm Registration Number: 690292 ISED - CAB identifier: CN0175 IC#: 32222
Date (receive sample)	Apr. 05, 2026
Date (start test)	Apr. 10, 2026
Date (finish test)	May. 06, 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.
5. 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.



DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2640202R.714	V1.0	Initial issue of report.	2026-07-01

TEST SUMMARY

Test Item	Band ^[1]	FCC rules No.	Test Requirements	Result
Antenna Requirement	--	15.203/15.407(a)	--	PASS
26dB Emission Bandwidth	Band I	15.407(a)(1)	No limit.	PASS
	Band II-A	15.407(a)(2)		
	Band II-C	15.407(a)(2)		
6dB Emission Bandwidth	Band III	15.407(e)	≥ 500 kHz.	PASS
99% Occupied Bandwidth	Band I	KDB 789033 D02§ D	No limit.	PASS
	Band II-A			
	Band II-C			
	Band III			
Duty Cycle	Band I Band II-A Band II-C Band III	--	No limit.	PASS
Maximum Conducted Output Power	Band I	15.407(a)	< 250mW	PASS
	Band II-A	15.407(a)(2)	<MIN{250mW,11dBm+10*lg(EBW)}	
	Band II-C		< 1W	
	Band III	15.407(a)(3)		
Maximum Power Spectral Density	Band I	15.407(a)	<11dBm/MHz	PASS
	Band II-A	15.407(a)(2)	<11dBm/MHz	
	Band II-C			
	Band III	15.407(a)(3)	<30dBm/500KHz	
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	Band I	15.209 15.407(b)	F<1GHz: §15.209/§7.2.5 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/§7.2.5 limit (AV&PK).	PASS
	Band II-A	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 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/§7.2.5 limit (AV&PK).	PASS
	Band II-C	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	PASS
	Band III	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP) F≥1GHz & out-restricted:(QP) a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27	PASS

			dBm/MHz at 75 MHz above or below the band edges; and d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges. F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	
Unwanted Emissions in the Restricted Bands (Radiated)	Band I Band II-A Band II-C Band III	15.209	---	PASS
AC Power Line Conducted Emissions	Band I Band II-A Band II-C Band III	15.207	---	PASS
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
Dynamic Frequency Selection (DFS)	Band II-A Band II-C	15.407(h)	---	PASS
Remark: Band I: 5150-5250MHz Band II-A: 5250-5350MHz Band II-C: 5470-5725MHz Band III: 5725-5850MHz				

Requirement – Test case	Remark
Radiated Emission	Test data please refer to Appendix
Emission bandwidth and occupied bandwidth	See Remark¹⁾
6dB Emission Bandwidth	See Remark¹⁾
Duty cycle	See Remark¹⁾
Power Output	Test data please refer to Appendix
Peak Power Spectral Density	See Remark¹⁾
Radiated Emission Band Edge	Test data please refer to Appendix
AC Power Line Conducted Emissions	Test data please refer to Appendix
Dynamic Frequency Selection (DFS)	See Remark¹⁾
Antenna Requirement	---
Remark: The product host is based on the module RTL8852B (FCC ID: TX2-RTL8852B), only Maximum conducted output power and Band edge and Emissions in Restricted Bands and AC Power Line Conducted Emission has been fully tested. For other test items, please refer to Wi-Fi 5G module report RFBBUI-WTW-P22031043-1_R00, RFBBUI-WTW-P22031043-4_R00, RFBBUI-WTW-P22031043-5.	

USED EQUIPMENT

Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Wideband Radio Communication Tester	R&S	CMW 500	163864	2025.04.23	2026.04.22
Wideband Radio Communication Tester	R&S	CMW 500	163864	2026.05.08	2027.05.07
Signal Generator	R&S	SMR 20	100654	2025.05.22	2026.05.21
Signal Generator	R&S	SMR 20	100654	2026.05.08	2027.05.07
MAX Signal Analyzer	Keysight	N9010A	MY55370495	2025.09.14	2026.09.13
RF Control Unit	Tonscend	JS0806-2	22G8060594	2025.06.16	2026.06.16
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2025.06.12	2026.06.11
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2025.06.12	2026.06.11
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A

Radiated Emission Band Edge (1~40G)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Fully-anechoic chamber	Maorui	9m*6m*6m	AC103	2023.08.23	2028.08.22
MAX Signal Analyzer	Keysight	N9020B	MY63490118	2025.08.08	2026.08.07
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2025.10.19	2026.10.18
Low Noise Amplifier	Tonscend	TAP01018048S	AP23J8060307	2025.10.16	2026.10.15
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2025.10.24	2026.10.23
Low Noise Amplifier	ESE	LNA1840	LNA23070301	2025.10.16	2026.10.15
Temperature/Humidity Meter	RITERS	RTS-8S	010	2025.08.25	2026.08.24
Test Software	Tonscend	J536	JS36-RSE	N/A	N/A

Radiated Emission (9K~1G)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
semi-anechoic chamber	Maorui	9m*6m*6m	AC102	2023.08.23	2028.08.22
Bilog Antenna	TESEQ	CBL6112D	57867	2025.05.21	2026.05.20
Bilog Antenna	TESEQ	CBL6112D	57867	2026.05.11	2027.05.10
Loop Antenna	R&S	HFH2-Z2E	101181	2025.10.24	2026.10.23
EMI test receiver	R&S	ESR7	102753	2025.05.19	2026.05.18
Temperature/Humidity Meter	RTS-8S	RTS-8S	13	2025.08.29	2026.08.28
Temperature/Humidity Meter	RTS-8S	RTS-8S	15	2025.08.25	2026.08.24
Dekra test software	Dekra	N/A	N/A	N/A	N/A

AC Power Line Conducted Emission

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielded room	Maorui	9m*4m*4m	SR104	2023.08.23	2028.08.22
V-network	R&S	ENV216	101516	2025.05.10	2026.05.09
EMI test receiver	R&S	ESR3	103140	2025.05.10	2026.05.09
V-LISN	R&S	ENV4200	100748	2025.05.10	2026.05.09
cable	R&S	N/A	213	2025.05.10	2026.05.09
Dekra test software	Dekra	N/A	N/A	N/A	N/A

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 Test Location	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.8 dB 150kHz~30MHz: 2.4 dB
Peak Power Output	± 1.3 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.5 dB 300MHz~1GHz: 3.6 dB Vertical: 30MHz~200MHz: 3.6 dB 300MHz~1GHz: 3.5 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.0 dB Vertical: 1GHz~18GHz: 4.8 dB Horizontal: 18GHz~26.5GHz: 5.3 dB Vertical: 18GHz~26.5GHz: 4.9 dB
RF antenna conducted test	± 1.3 dB
Carrier Frequency Separation	± 1.0 kHz
Number of Hopping Frequencies	± 1.0 kHz
Time of Occupancy (Dwell Time)	± 0.10 us
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

Product Name	Notebook PC		
Trademark	ASUS		
Model Name	S5452M / K5452M / V5452M		
FCC ID	TX2-RTL8852B		
Hardware Version	V1		
Software Version	S5452MA305		
Model difference	Exclusively for marketing purposes.		
Power Supply	AC: 230 Vac		
Manufacturer	ASUSTK COMPUTER INC.		
Manufacturer address	1F. No.15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan		
Factory	Nanchang Huaqin Electronic Technology Co., Ltd.		
Factory address	No.2999, Tianxiang Avenue, High-tech Development Zone, Nanchang City		
Wireless Module	RTL8852B		
Wireless specification	Wi-Fi		
Frequency Range	U-NII-1: 5180 MHz to 5240 MHz		
	U-NII-2A: 5260 MHz to 5320 MHz		
	U-NII-2C: 5500 MHz to 5720 MHz		
	U-NII-3: 5745 MHz to 5825 MHz		
	U-NII-4: 5835 MHz to 5885 MHz		
Channel Spacing	802.11a 20 MHz		
	802.11n 20 MHz, 40 MHz		
	802.11ac 20 MHz, 40 MHz, 80 MHz		
	802.11ax 20 MHz, 40 MHz, 80 MHz		
Modulation technology	OFDM / OFDMA		
Smart System	☒	SISO	
	☒	MIMO-CDD	
DFS Function	☐	Master device	
	☐	Slave with radar detection	
	☒	Slave without radar detection	
TPC Function:	☒	Support	☐ Not Support
Note: 1, Because of the module has been certified, so for the output power we only evaluated the normal environment conditions. 2, 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. 3, The S5452M is tested as the main model, and its data also represents the K5452M and V5452M.			

Antenna Information:

Antenna Port	Antenna Manufacturer	Antenna Type	2400-2483.5 MHz	5150-5250 MHz	5250-5350 MHz	5470-5725 MHz	5725-5850 MHz	5850-5895 MHz
MAIN	INPAQ (WA-P-LELE-04-103)	PIFA	3.03	2.26	1.25	2.98	2.94	1.27
AUX			3.08	1.52	1.81	1.56	1.28	1.01
MAIN	AWAN (AYP6Y-200154)	PIFA	2.97	2.18	1.20	2.61	2.92	1.21
AUX			2.91	1.40	1.69	1.39	1.19	0.89

Note: The report gain usage details are as follows:

1. Output Power test: The maximum equivalent isotropic radiated power (EIRP) is calculated separately for the two antennas.
2. Radiated spurious emission test: Each antenna was tested separately, and only the worst data was included in the report.
3. OFDMA: The product supports OFDMA Full RU and Partial RU for 802.11ax devices. The worst-case mode of the module occurs in Full RU, so verifying using only the full resource unit (Full RU) is sufficient to demonstrate the compliance of 802.11ax OFDMA.

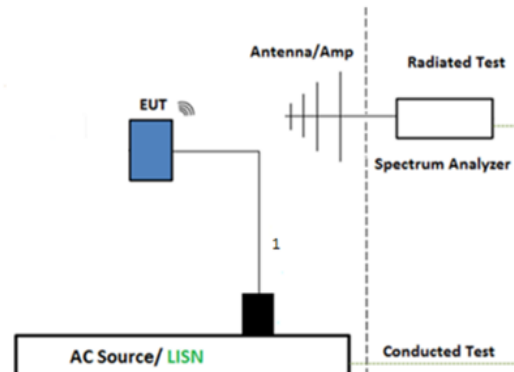
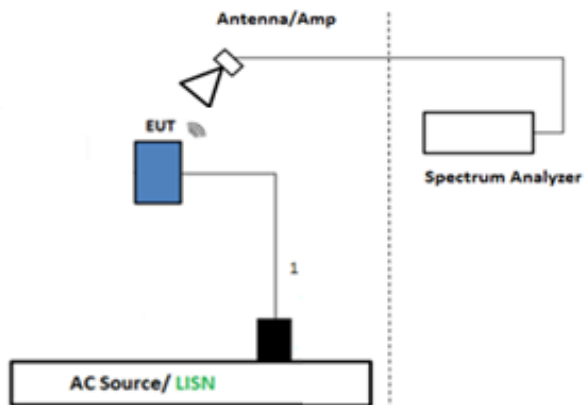
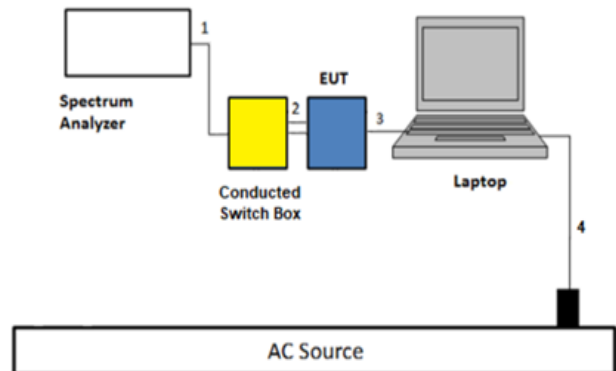
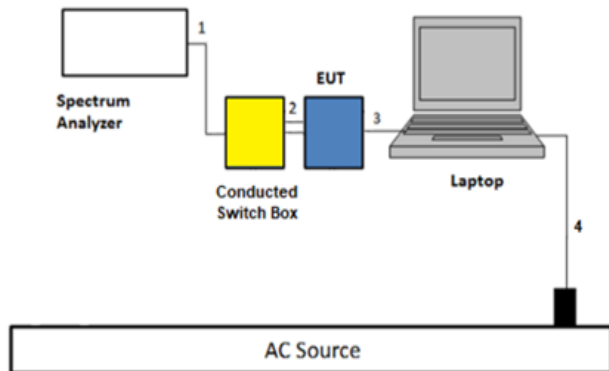
Power setting in test

5GHz WLAN	Mode	Channel	Frequency (MHz)	Power Setting
	802.11a 6Mbps	36	5180	16
		40	5200	16
		48	5240	16
		52	5260	17
		56	5280	17
		64	5320	17
		100	5500	16.5
		116	5580	18
		140	5700	18
		149	5745	18
		157	5785	18
		165	5825	18
		169	5845	18
		173	5865	18
		177	5885	18
	802.11ac-VHT20 MCS0	36	5180	15.5
		40	5200	15.5
		48	5240	15.5
		52	5260	17
		56	5280	17
		64	5320	17
		100	5500	16.5
		116	5580	18
		140	5700	18
		149	5745	18
		157	5785	18
		165	5825	18
		169	5845	18
		173	5865	18
		177	5885	18
	802.11ac-VHT40 MCS0	38	5190	17.5
		46	5230	17.5
		54	5270	17.5
		62	5310	17.5
		102	5510	17
		118	5590	18
		134	5670	18
		151	5755	18
		159	5795	18
		167	5835	18
		175	5875	18
	802.11ac-VHT80 MCS0	42	5210	18.5

		58	5290	18.5
		106	5530	17.5
		122	5610	19
		155	5775	19
		171	5855	19
	802.11ax-HE20 MCS0	36	5180	15.5
		40	5200	15.5
		48	5240	15.5
		52	5260	17
		56	5280	17
		64	5320	17
		100	5500	16.5
		116	5580	18
		140	5700	18
		149	5745	18
		157	5785	18
		165	5825	18
		169	5845	18
		173	5865	18
		177	5885	18
	802.11ax-HE40 MCS0	38	5190	17.5
		46	5230	17.5
		54	5270	17.5
		62	5310	17.5
		102	5510	17
		118	5590	18
		134	5670	18
		151	5755	18
		159	5795	18
		167	5835	18
		175	5875	18
	802.11ax-HE80 MCS0	42	5210	18.5
		58	5290	18.5
		106	5530	17.5
		122	5610	19
		155	5775	19
		171	5855	19

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Vivobook	ASUS	Adapter
(2) Ethernet cable	N/A	N/A	N/A
(3) Ethernet cable	N/A	N/A	N/A
Software	Type / Version	Manufacturer	Supplied by
AX Series MP Toolkit	1.0.76	REALTEK	Adapter



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

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
FCC CFR Title 47 Part 15 Subpart E	2024	FCC CFR Title 47 Part 15 Subpart E
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 789033 D02V02r01	2017	This document provides guidance for determining emissions compliance of U-NII devices under Part 15, Subpart E of the FCC rules.
KDB 662911 D01V02r01	2020	Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification
KDB 905462 D02V02	2016	UNII DFS Compliance Procedures New 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)

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

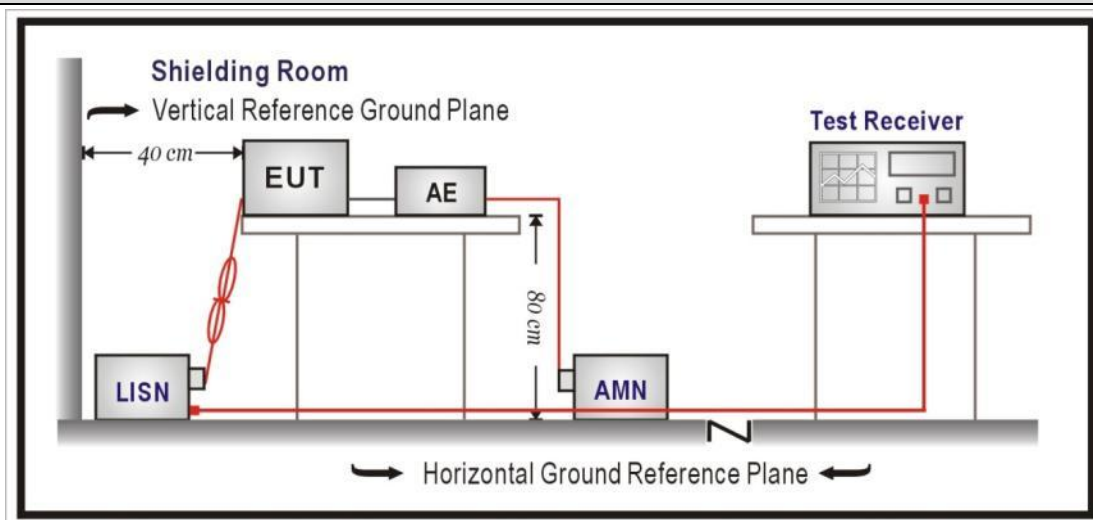
¹⁾ At the transition frequency, the lower limit applies.

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

MHz	MHz	MHz	GHz
0. 090-0. 110	16. 42-16. 423	399. 9-410	4. 5-5. 15
¹ 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. 41425-8. 41475	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	(²)
13. 36-13. 41			

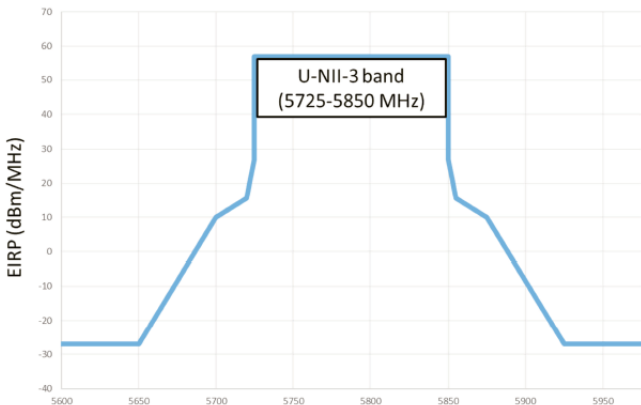
¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.²Above 38.6

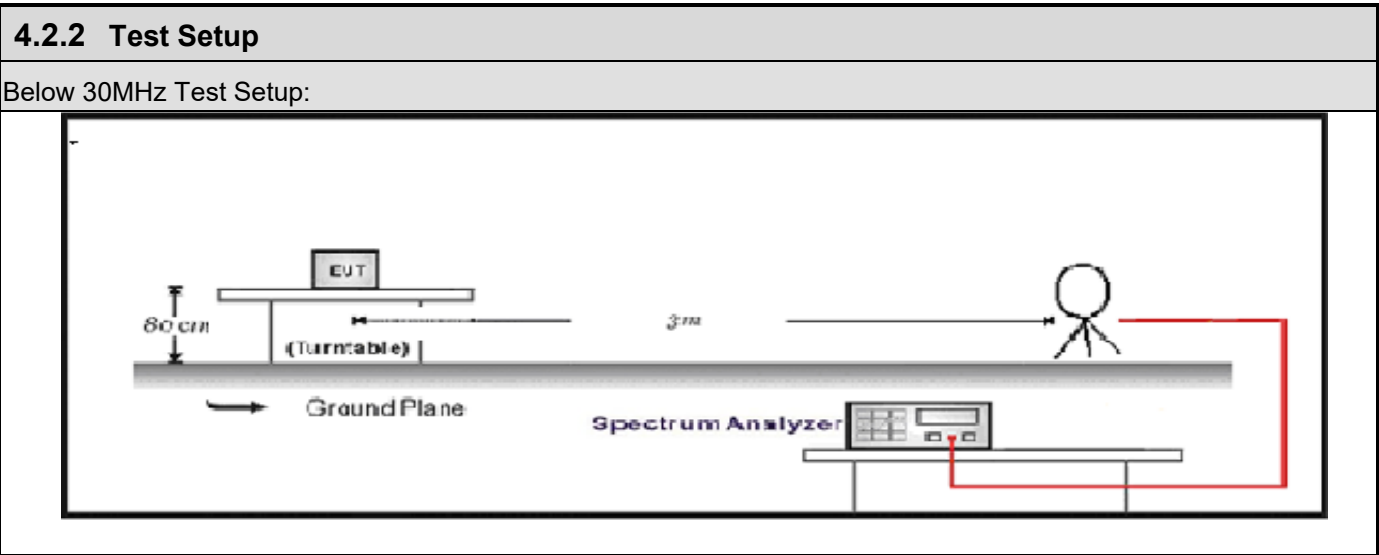
FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)

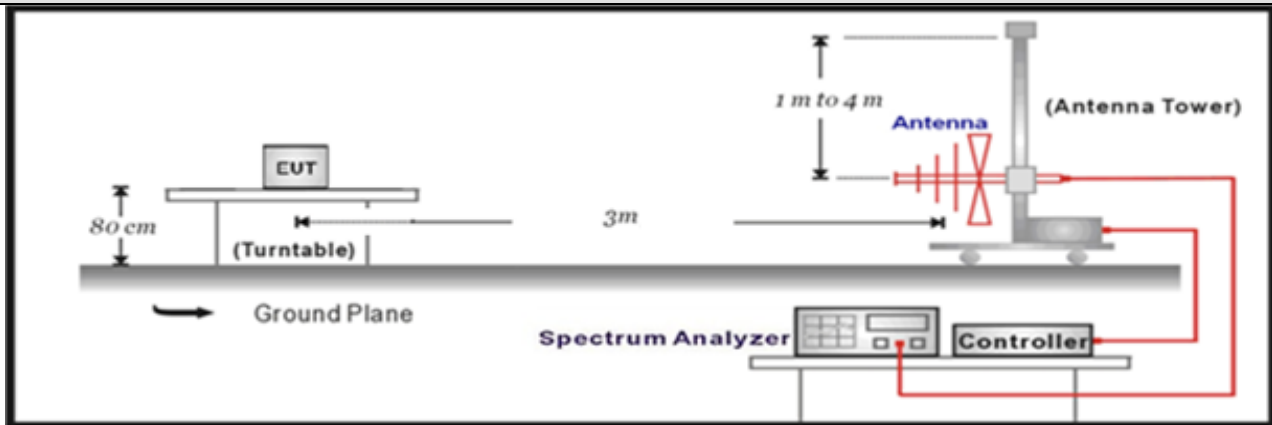
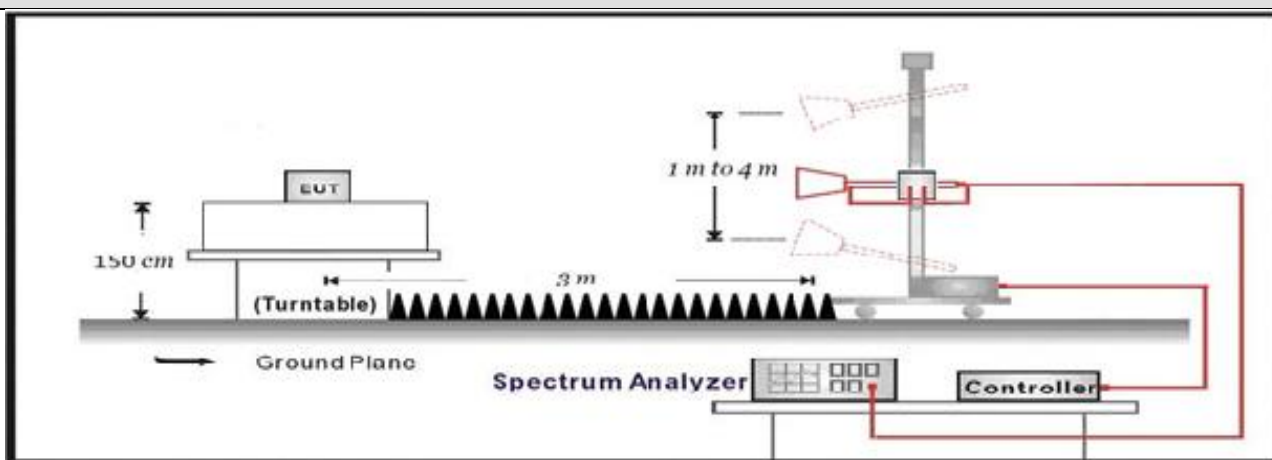
Frequency (MHz)	Field strength (μV/m)	Field strength (dB μV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 - 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note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



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

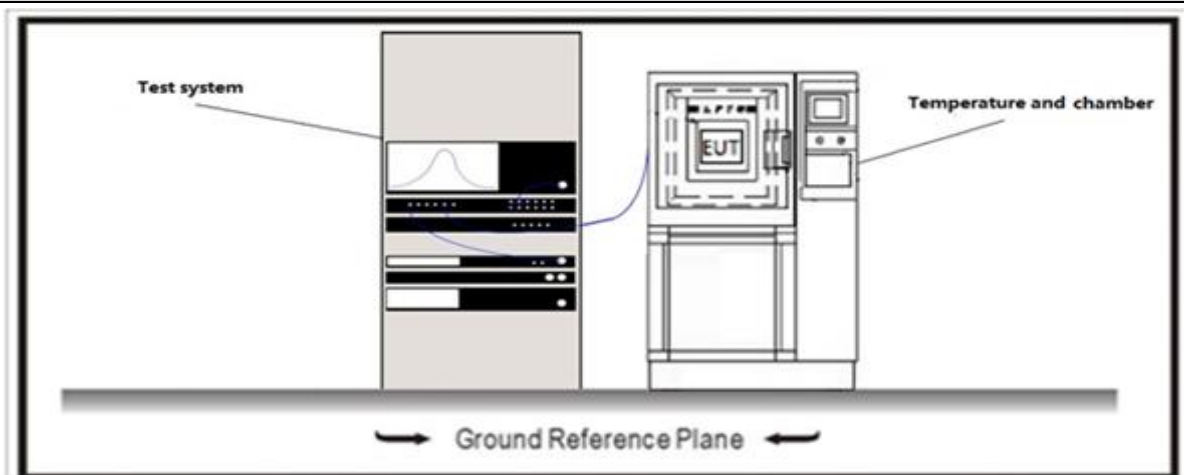
4.3.1 Limit

Standard		FCC Part 15 Subpart E Paragraph 15.407 (a)
☒	For the band 5.15-5.25 GHz	
	☒	Client Devices: the maximum conducted output power shall not exceed 250 mW. If $G_{TX} > 6\text{dBi}$
☒	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
☒	For the band 5.845-5.885 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
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☒	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)

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☒	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

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

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 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
8.41425-8.41475	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	(²)
13.36-13.41			

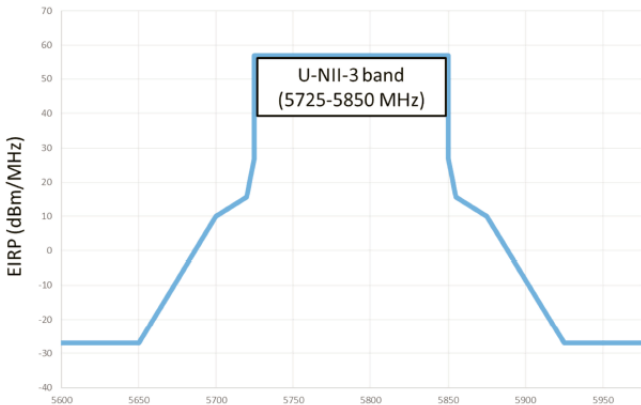
¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.²Above 38.6

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)

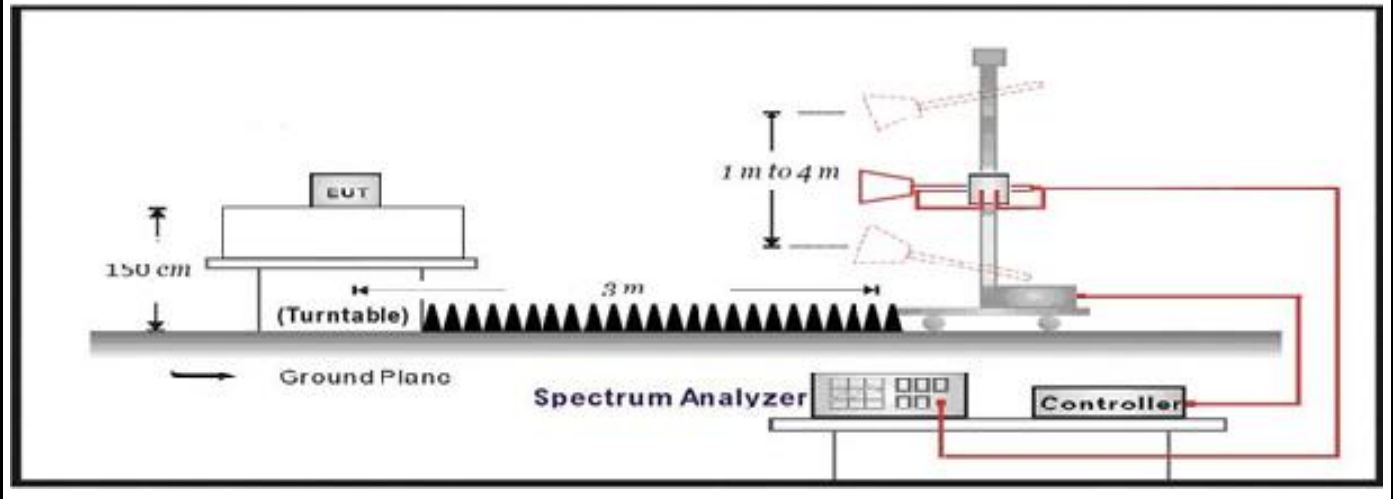
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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 (dBμV/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		

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:**

Standard	FCC Part 15 Subpart C Paragraph 15.203;
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

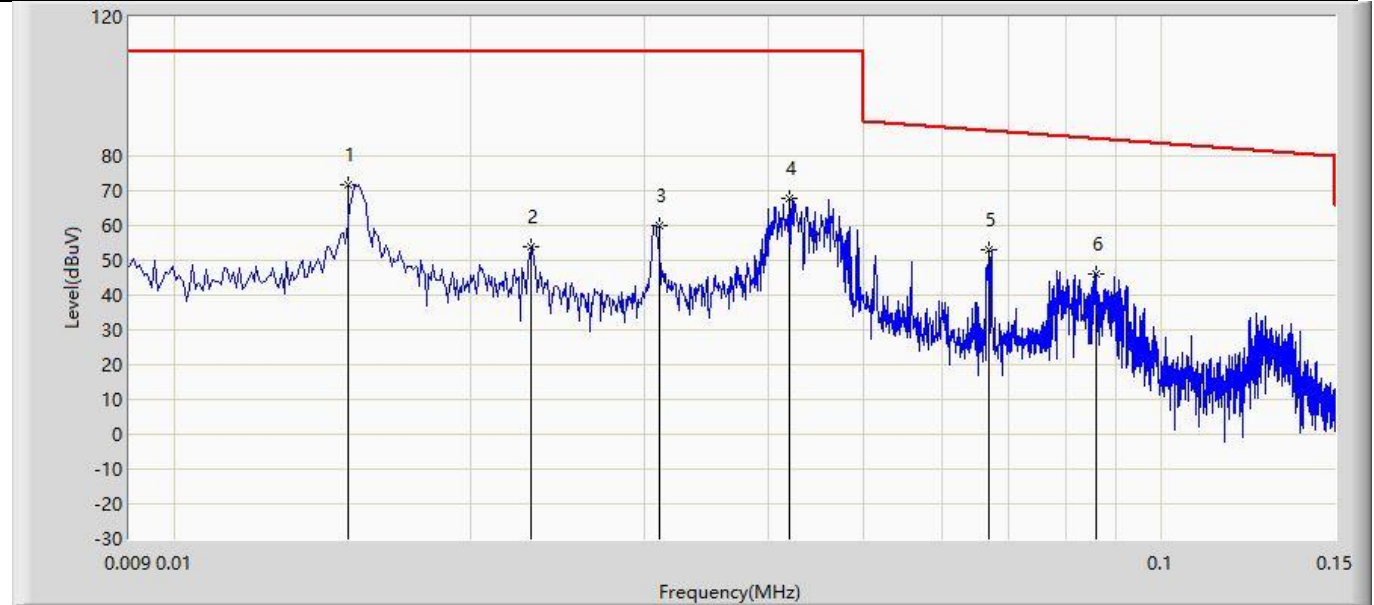
Remark: The test setup photo and EUT Photo please see appendix.

Appendix

AC Power Line Conducted Emission

INPAQ Antenna:

Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
Note: Transmit at 5180MHz by 802.11a	Power: AC 120V/60Hz



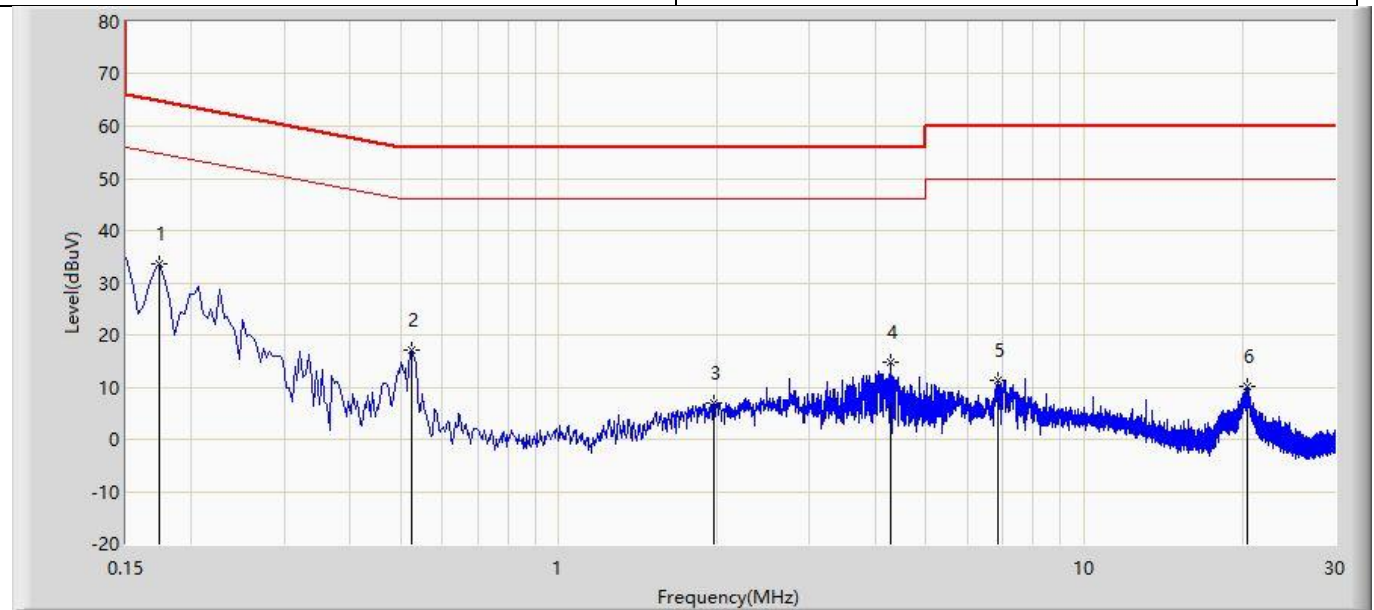
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.015	71.680	61.435	-38.320	110.000	10.245	QP
2		0.023	54.004	43.927	-55.996	110.000	10.077	QP
3		0.031	60.141	50.231	-49.859	110.000	9.910	QP
4		0.042	67.768	58.028	-42.232	110.000	9.740	QP
5	*	0.067	53.022	43.310	-34.314	87.336	9.712	QP
6		0.086	46.281	36.582	-38.782	85.064	9.699	QP

Probe: ENV216_101189(0.009-30MHz)

Polarity: Line

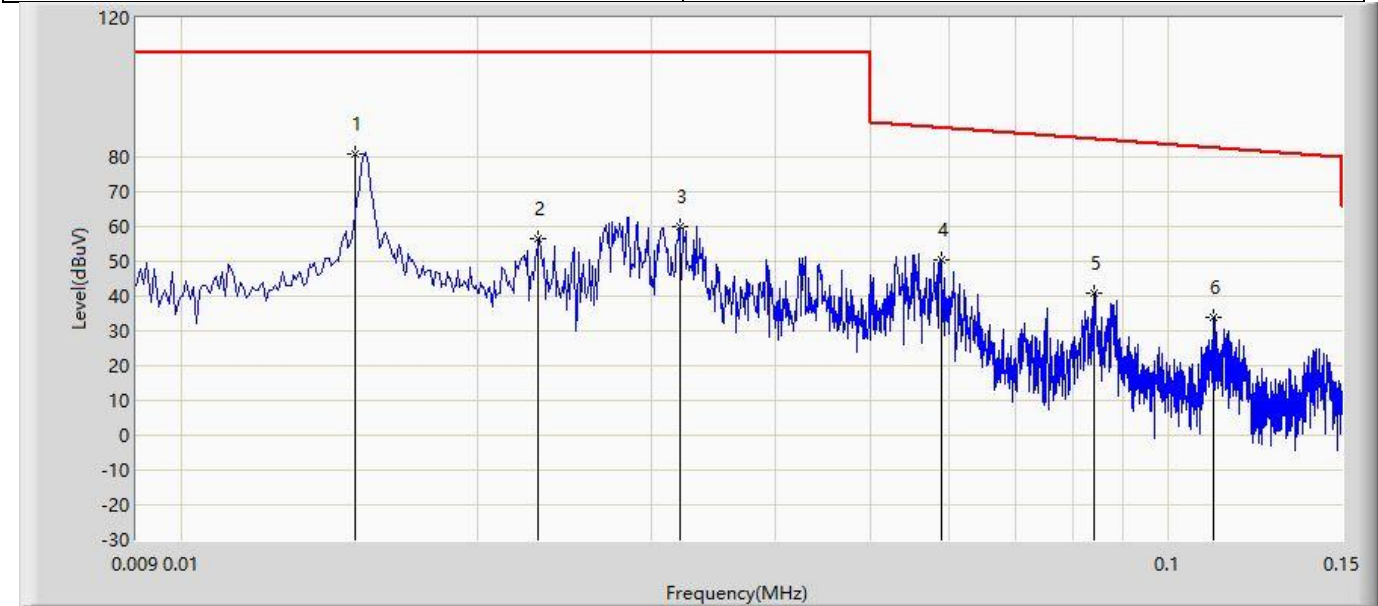
Note: Transmit at 5180MHz by 802.11a

Power: AC 120V/60Hz



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.174	33.496	23.834	-31.271	64.767	9.662	QP
2		0.526	17.210	7.512	-38.790	56.000	9.697	QP
3		1.974	6.898	-2.866	-49.102	56.000	9.764	QP
4		4.290	14.706	4.901	-41.294	56.000	9.805	QP
5		6.834	11.205	1.343	-48.795	60.000	9.863	QP
6		20.454	10.017	-0.498	-49.983	60.000	10.515	QP

Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
Note: Transmit at 5180MHz by 802.11a	Power: AC 120V/60Hz



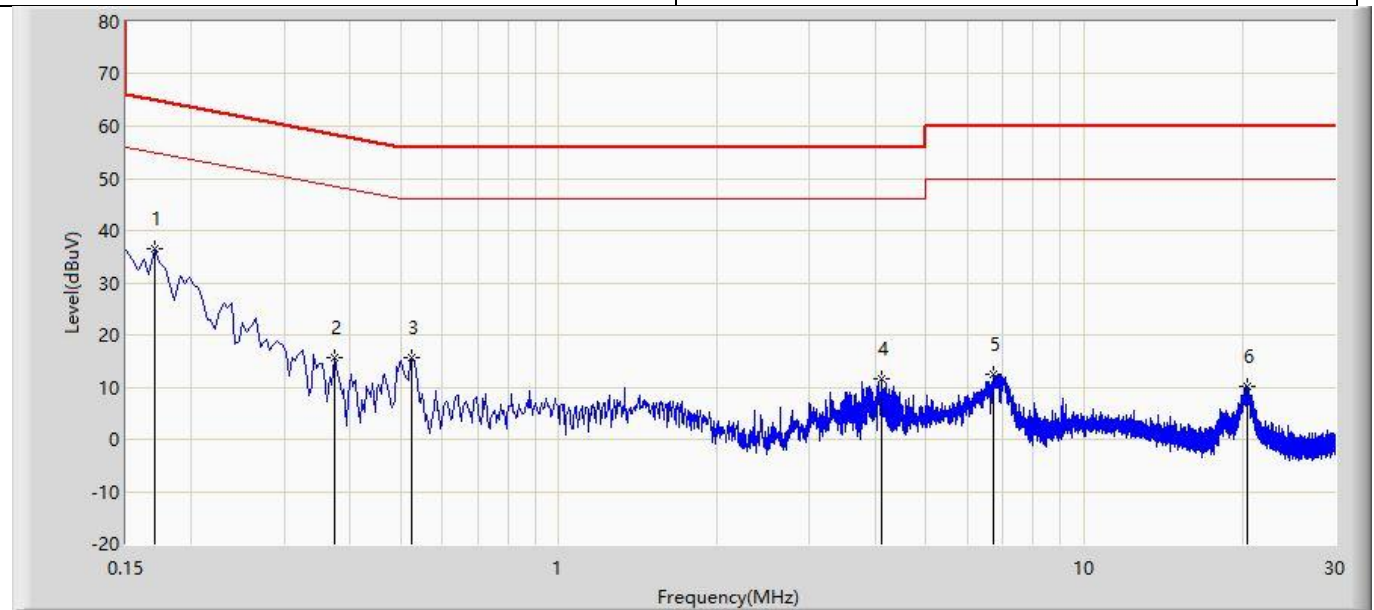
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.015	80.886	70.608	-29.114	110.000	10.278	QP
2		0.023	56.309	46.208	-53.691	110.000	10.101	QP
3		0.032	59.844	49.941	-50.156	110.000	9.903	QP
4		0.059	50.613	40.896	-37.880	88.493	9.717	QP
5		0.084	40.896	31.220	-44.381	85.278	9.676	QP
6		0.111	33.734	24.071	-49.007	82.741	9.663	QP

Probe: ENV216_101189(0.009-30MHz)

Polarity: Neutral

Note: Transmit at 5180MHz by 802.11a

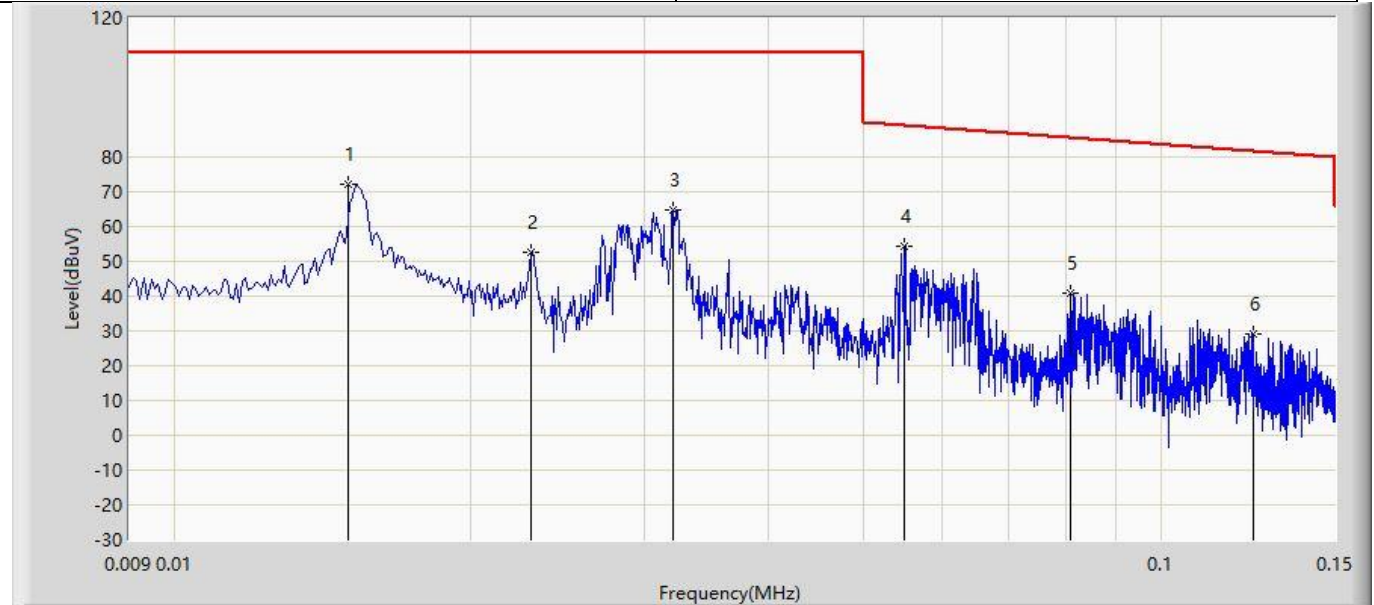
Power: AC 120V/60Hz



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.170	36.627	26.949	-28.333	64.960	9.678	QP
2		0.374	15.518	5.904	-42.894	58.412	9.614	QP
3		0.526	15.631	6.030	-40.369	56.000	9.601	QP
4		4.118	11.629	1.853	-44.371	56.000	9.776	QP
5		6.698	12.474	2.583	-47.526	60.000	9.891	QP
6		20.478	10.005	-0.423	-49.995	60.000	10.428	QP

AWAN Antenna:

Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
Note: Transmit at 5180MHz by 802.11a	Power: AC 120V/60Hz



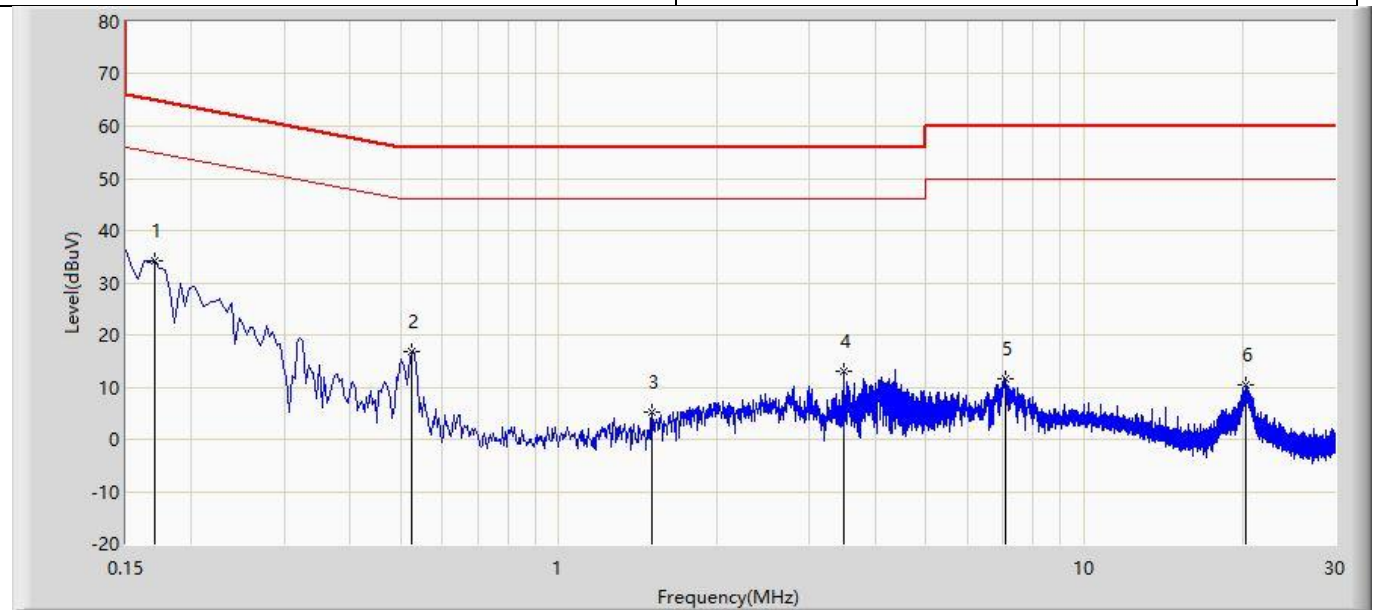
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.015	72.069	61.824	-37.931	110.000	10.245	QP
2		0.023	52.532	42.455	-57.468	110.000	10.077	QP
3		0.032	64.997	55.108	-45.003	110.000	9.889	QP
4	*	0.055	54.318	44.593	-34.814	89.132	9.725	QP
5		0.081	40.656	30.954	-44.952	85.609	9.702	QP
6		0.124	28.985	19.304	-52.748	81.733	9.681	QP

Probe: ENV216_101189(0.009-30MHz)

Polarity: Line

Note: Transmit at 5180MHz by 802.11a

Power: AC 120V/60Hz



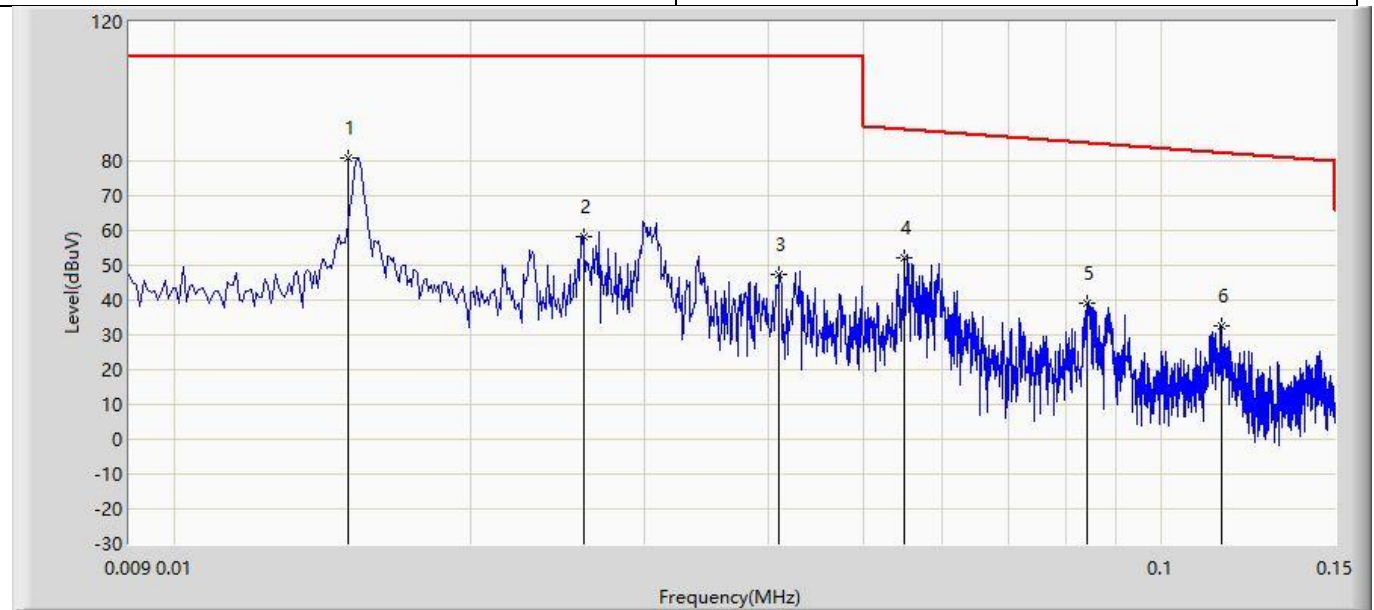
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.170	34.311	24.647	-30.649	64.960	9.664	QP
2		0.526	16.911	7.213	-39.089	56.000	9.697	QP
3		1.502	5.169	-4.564	-50.831	56.000	9.733	QP
4		3.486	12.976	3.176	-43.024	56.000	9.800	QP
5		7.066	11.710	1.841	-48.290	60.000	9.868	QP
6		20.266	10.411	-0.093	-49.589	60.000	10.504	QP

Probe: ENV216_101189(0.009-30MHz)

Polarity: Neutral

Note: Transmit at 5180MHz by 802.11a

Power: AC 120V/60Hz



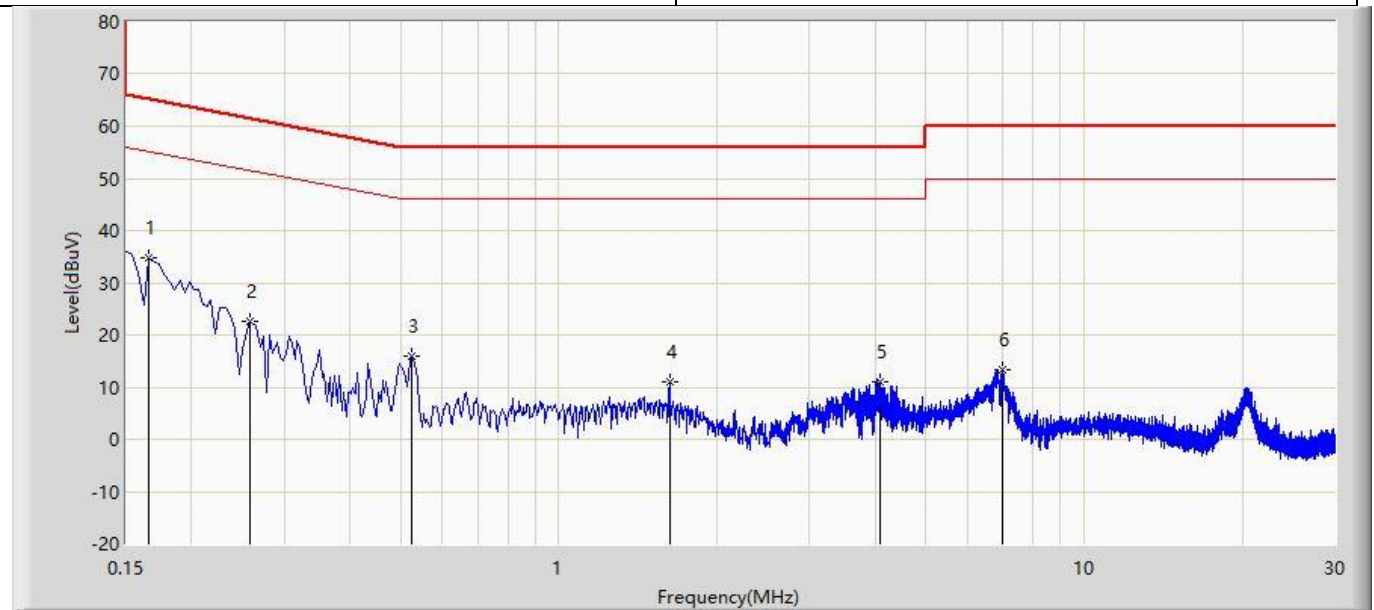
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.015	80.792	70.514	-29.208	110.000	10.278	QP
2		0.026	58.084	48.049	-51.916	110.000	10.035	QP
3		0.041	47.564	37.818	-62.436	110.000	9.746	QP
4		0.055	52.285	42.562	-36.847	89.132	9.723	QP
5		0.084	39.221	29.545	-46.056	85.278	9.676	QP
6		0.115	32.785	23.118	-49.634	82.419	9.667	QP

Probe: ENV216_101189(0.009-30MHz)

Polarity: Neutral

Note: Transmit at 5180MHz by 802.11a

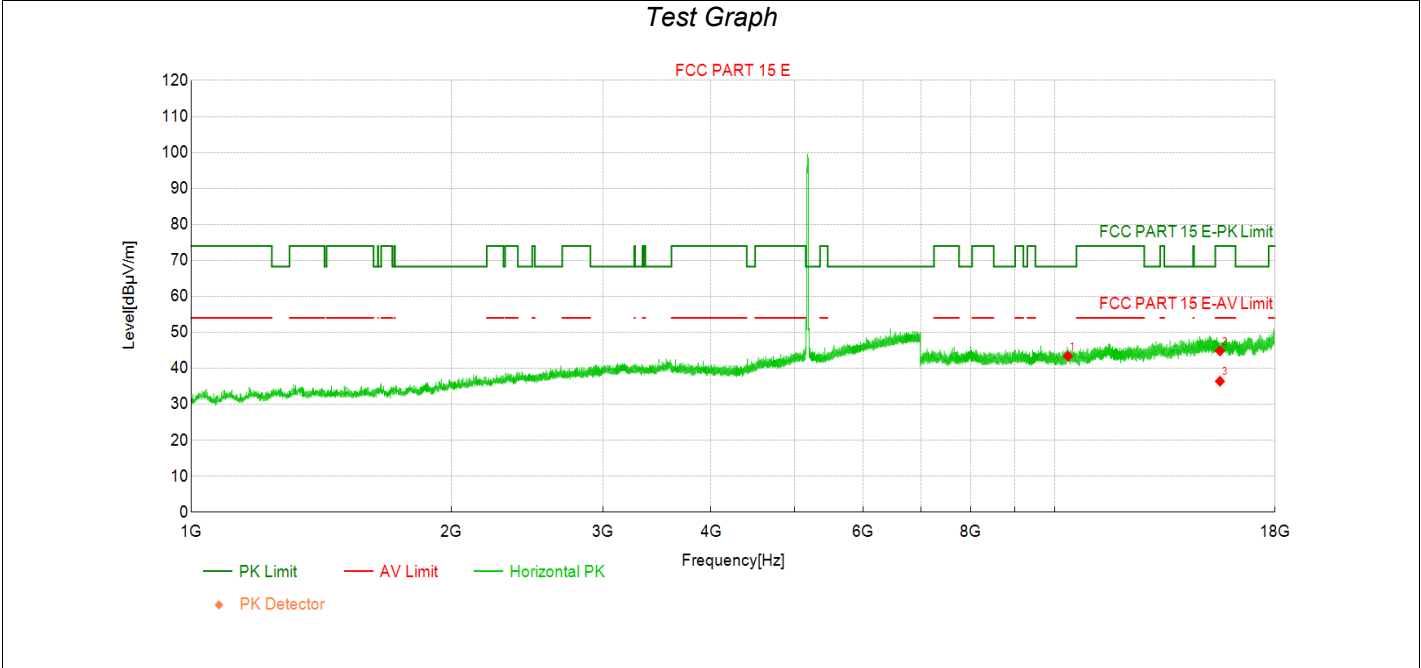
Power: AC 120V/60Hz



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.166	34.718	25.035	-30.440	65.158	9.683	QP
2		0.258	22.738	13.105	-38.757	61.496	9.633	QP
3		0.526	15.803	6.202	-40.197	56.000	9.601	QP
4		1.626	10.885	1.196	-45.115	56.000	9.689	QP
5		4.098	10.938	1.162	-45.062	56.000	9.776	QP
6		6.990	13.249	3.342	-46.751	60.000	9.907	QP

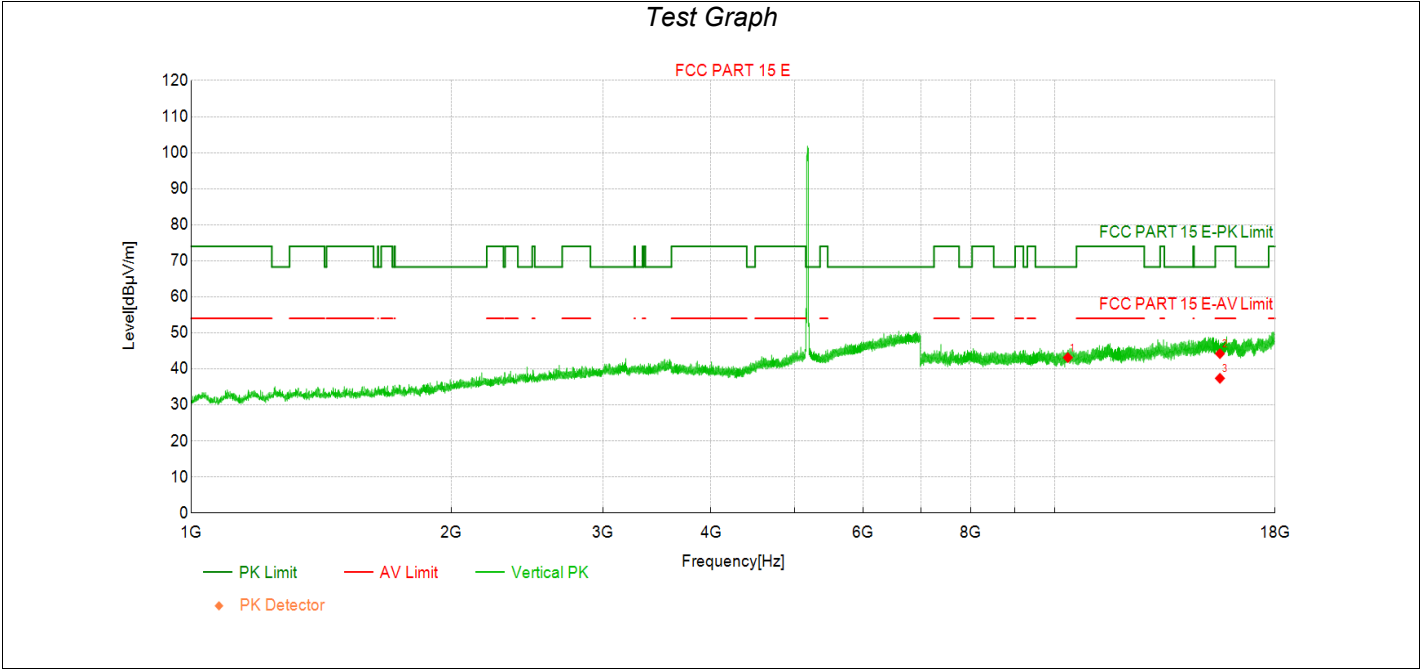
Note: Level = Reading + Factor (Antenna factor + Amplifier factor + Cable loss)

Radiated Emission
INPAQ Antenna:
Transmit at 5180MHz by 802.11a with Ant MIMO



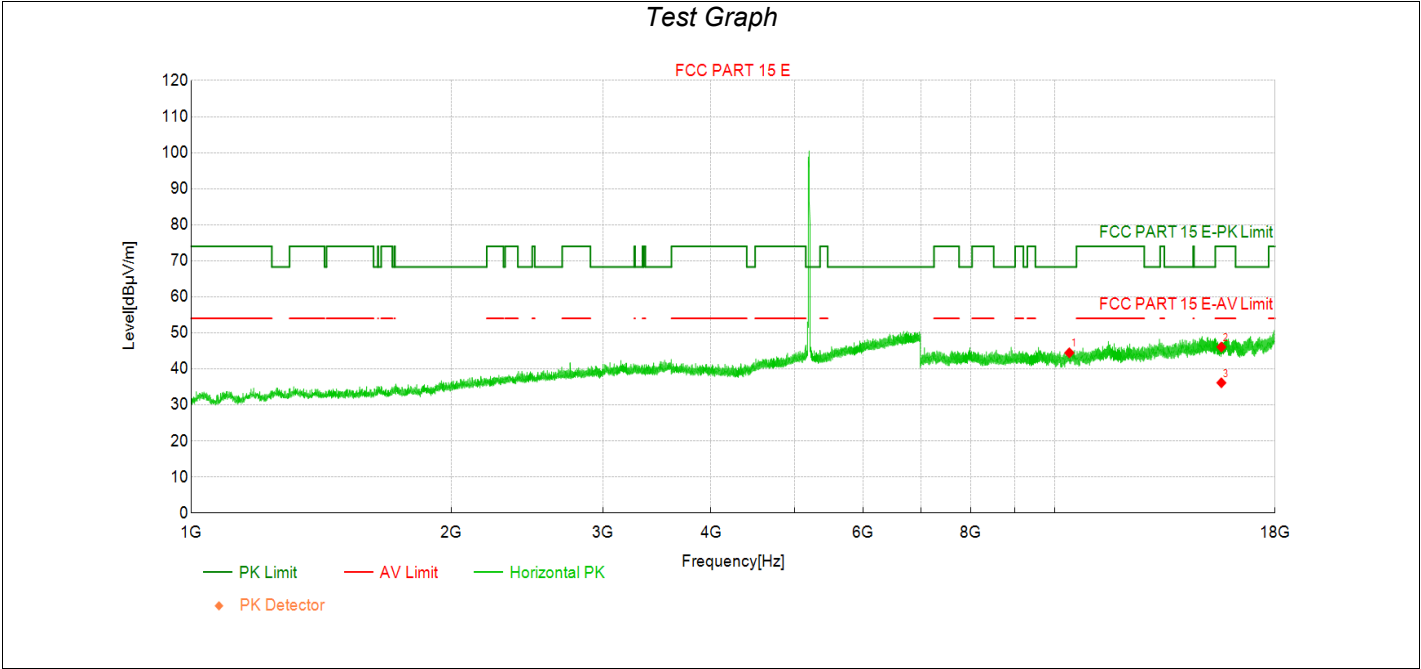
Data List									
NO	Freque ncy [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdi ct
1	10360.00	41.8	43.42	1.620	68.30	24.88	PK	Horizo	PASS
2	15540.00	35.8	44.85	9.100	74.00	29.15	PK	Horizo	PASS
3	15540.00	27.3	36.41	9.100	54.00	17.59	AV	Horizo	PASS

Transmit at 5180MHz by 802.11a with Ant MIMO



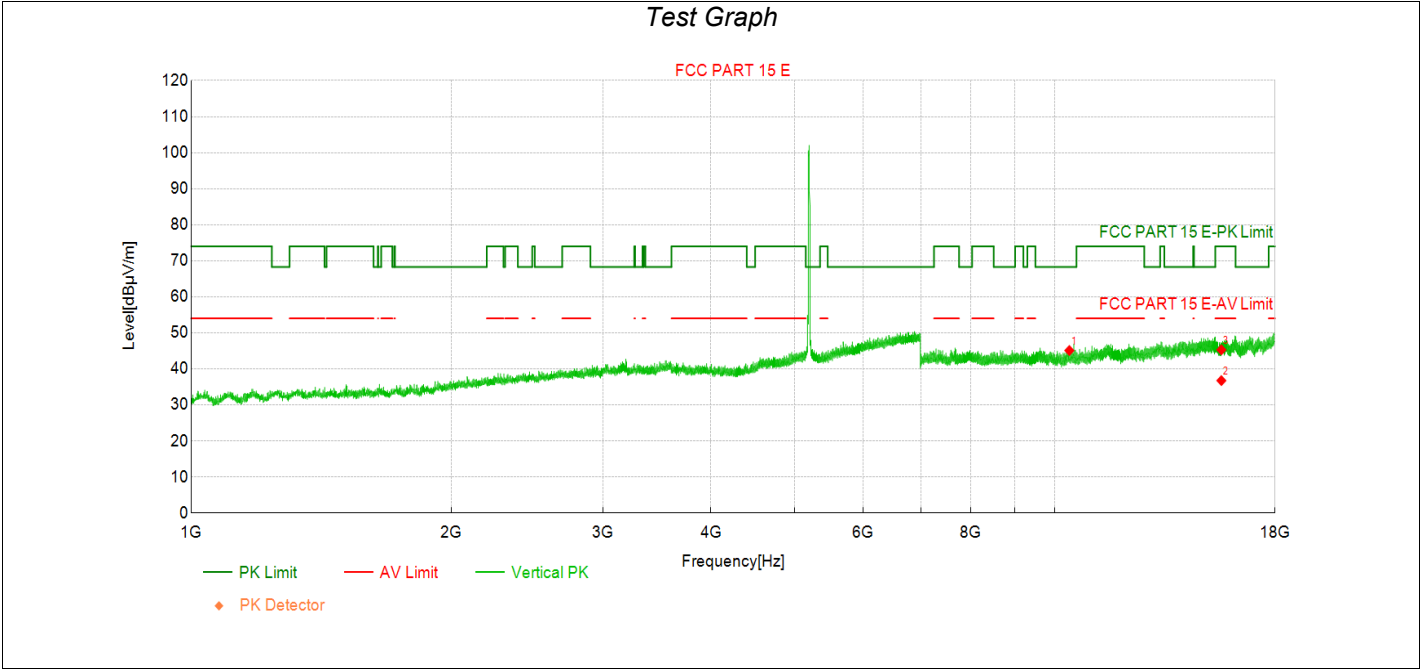
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	41.5	43.15	1.620	68.30	25.15	PK	Vertic	PASS
2	15540.00	35.1	44.22	9.100	74.00	29.78	PK	Vertic	PASS
3	15540.00	28.3	37.38	9.100	54.00	16.62	AV	Vertic	PASS

Transmit at 5200MHz by 802.11a with Ant MIMO



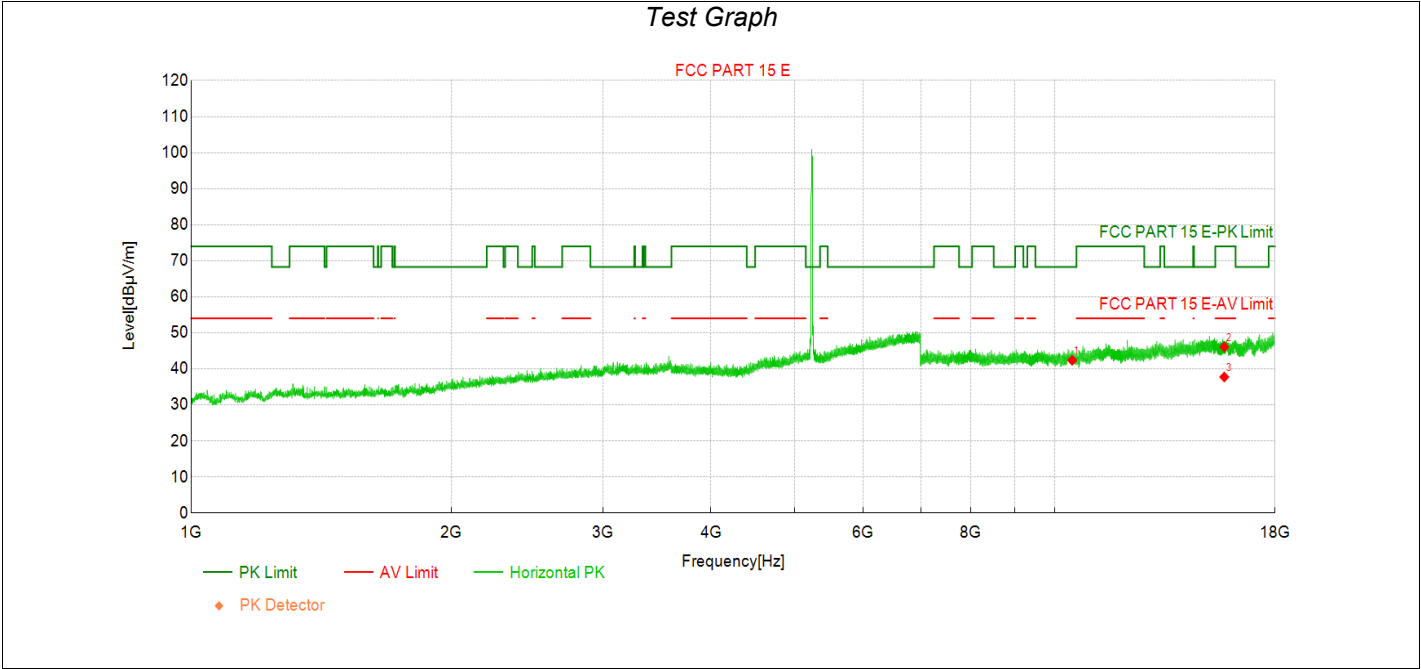
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	42.9	44.46	1.550	68.30	23.84	PK	Horizo	PASS
2	15600.00	36.8	46.07	9.310	74.00	27.93	PK	Horizo	PASS
3	15600.00	26.8	36.15	9.310	54.00	17.85	AV	Horizo	PASS

Transmit at 5200MHz by 802.11a with Ant MIMO



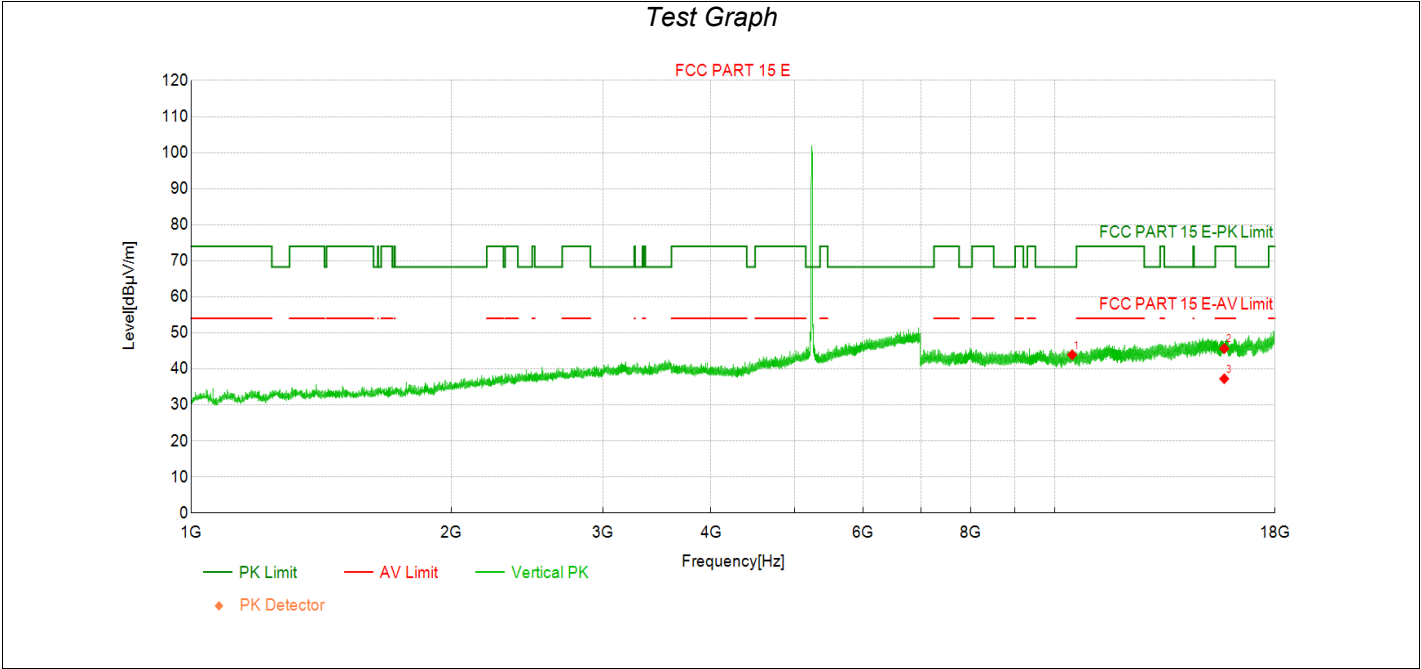
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	43.6	45.10	1.550	68.30	23.20	PK	Vertic	PASS
2	15600.00	27.4	36.75	9.310	54.00	17.25	AV	Vertic	PASS
3	15600.00	36.0	45.30	9.310	74.00	28.70	PK	Vertic	PASS

Transmit at 5240MHz by 802.11a with Ant MIMO



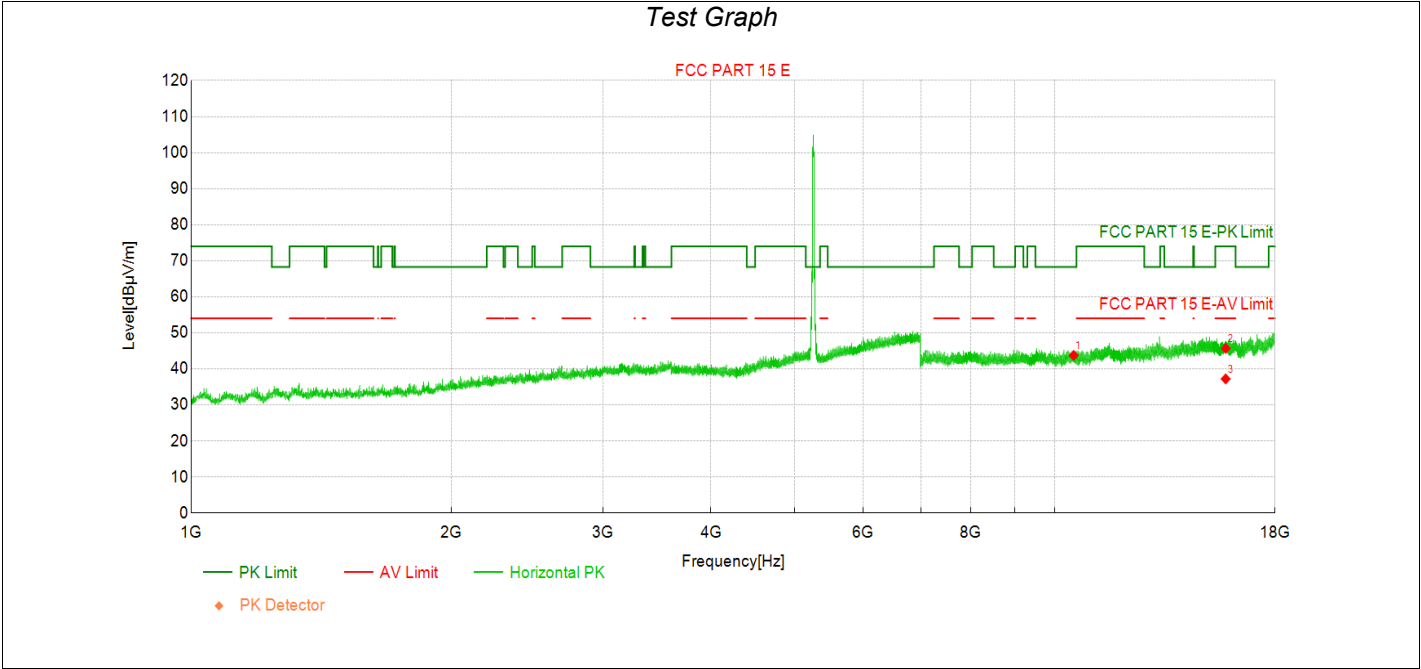
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	40.7	42.39	1.680	68.30	25.91	PK	Horizo	PASS
2	15720.00	36.6	46.09	9.500	74.00	27.91	PK	Horizo	PASS
3	15720.00	28.3	37.75	9.500	54.00	16.25	AV	Horizo	PASS

Transmit at 5240MHz by 802.11a with Ant MIMO



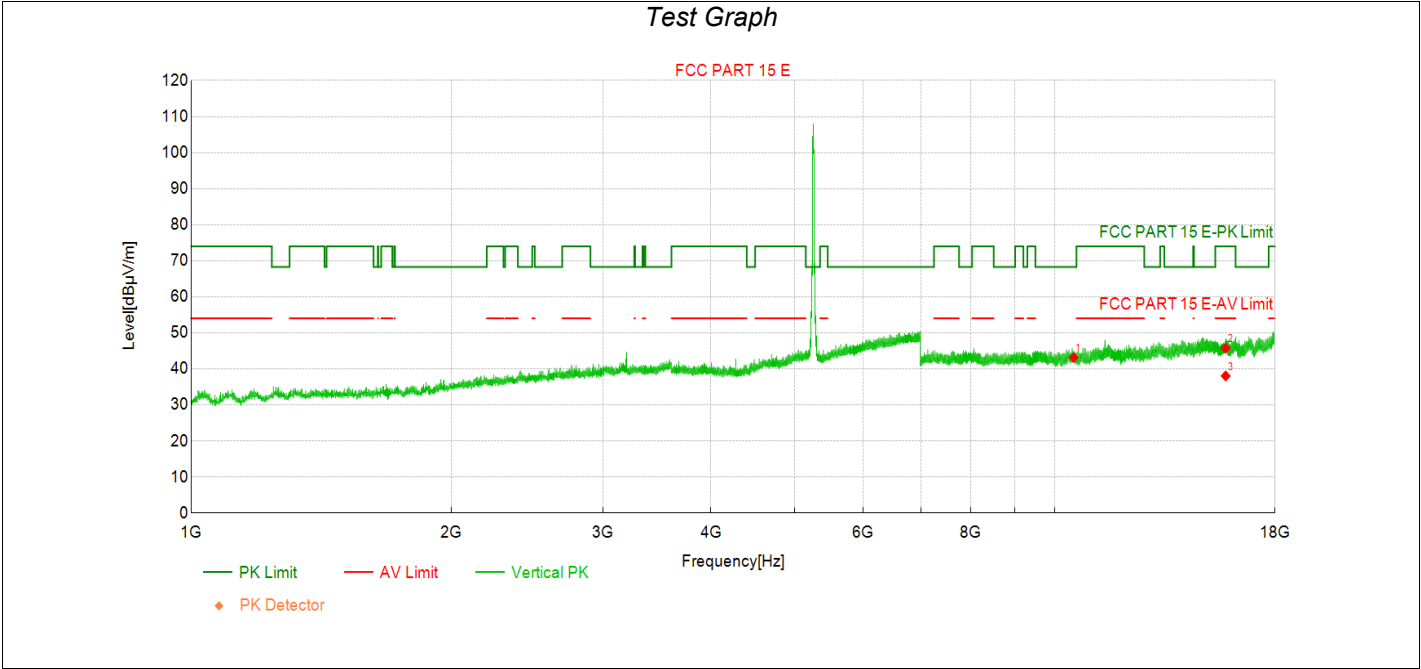
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	42.2	43.91	1.680	68.30	24.39	PK	Vertic	PASS
2	15720.00	36.2	45.65	9.500	74.00	28.35	PK	Vertic	PASS
3	15720.00	27.8	37.26	9.500	54.00	16.74	AV	Vertic	PASS

Transmit at 5260MHz by 802.11a with Ant MIMO



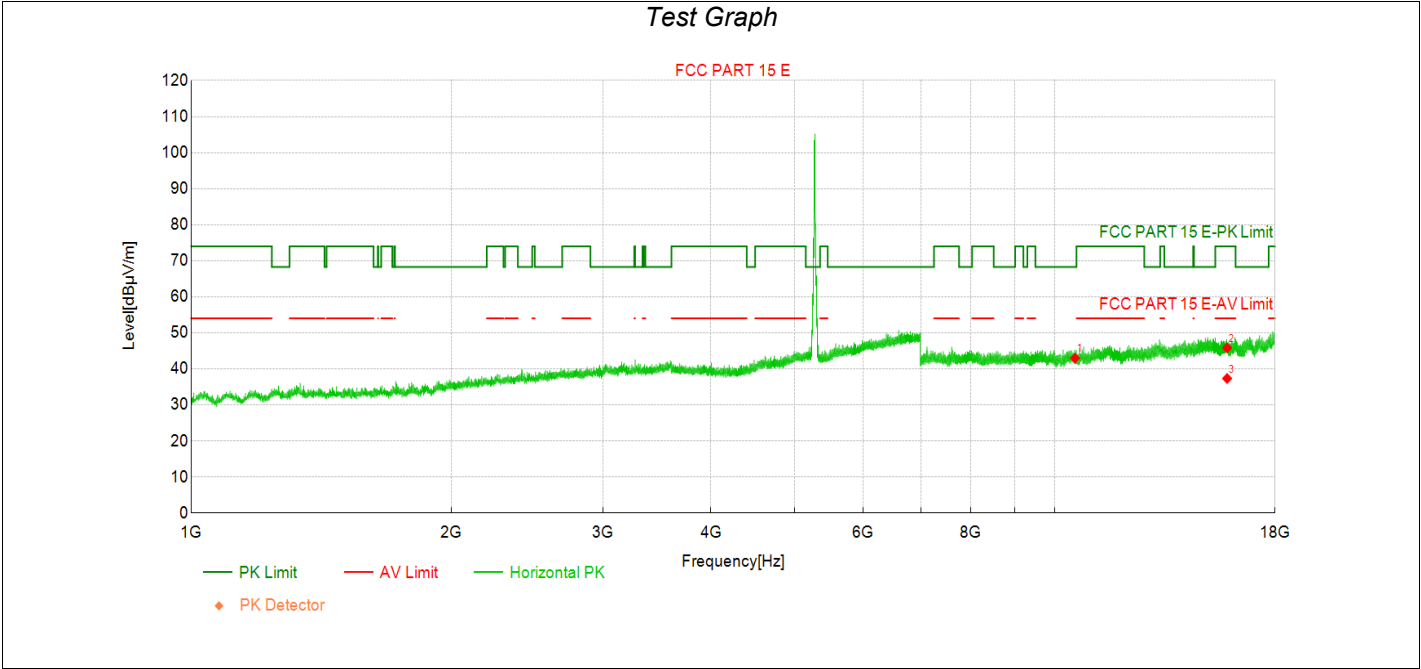
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10520.00	42.1	43.76	1.690	68.30	24.54	PK	Horizo	PASS
2	15780.00	36.4	45.70	9.330	74.00	28.30	PK	Horizo	PASS
3	15780.00	27.9	37.22	9.330	54.00	16.78	AV	Horizo	PASS

Transmit at 5260MHz by 802.11a with Ant MIMO



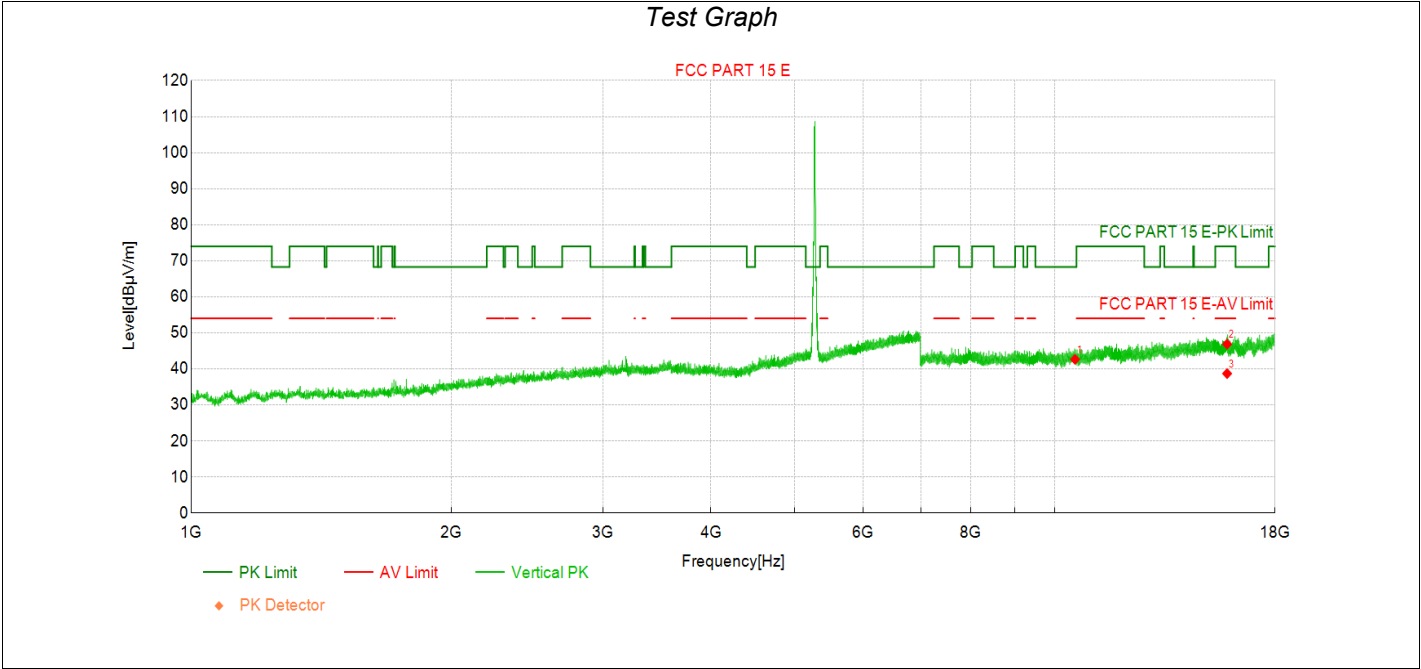
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10520.00	41.5	43.15	1.690	68.30	25.15	PK	Vertic	PASS
2	15780.00	36.4	45.73	9.330	74.00	28.27	PK	Vertic	PASS
3	15780.00	28.7	38.04	9.330	54.00	15.96	AV	Vertic	PASS

Transmit at 5280MHz by 802.11a with Ant MIMO



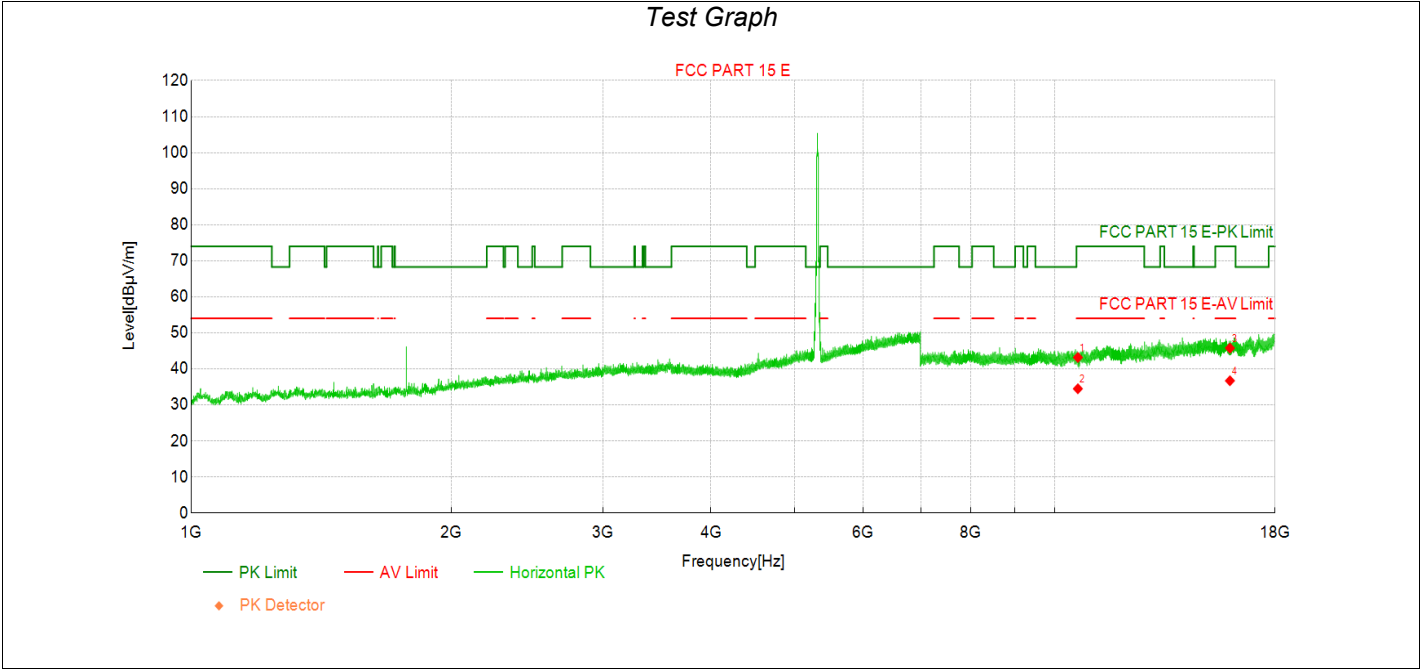
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10560.00	41.4	42.99	1.630	68.30	25.31	PK	Horizo	PASS
2	15840.00	36.6	45.84	9.280	74.00	28.16	PK	Horizo	PASS
3	15840.00	28.1	37.34	9.280	54.00	16.66	AV	Horizo	PASS

Transmit at 5280MHz by 802.11a with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10560.00	41.0	42.65	1.630	68.30	25.65	PK	Vertic	PASS
2	15840.00	37.6	46.88	9.280	74.00	27.12	PK	Vertic	PASS
3	15840.00	29.4	38.70	9.280	54.00	15.30	AV	Vertic	PASS

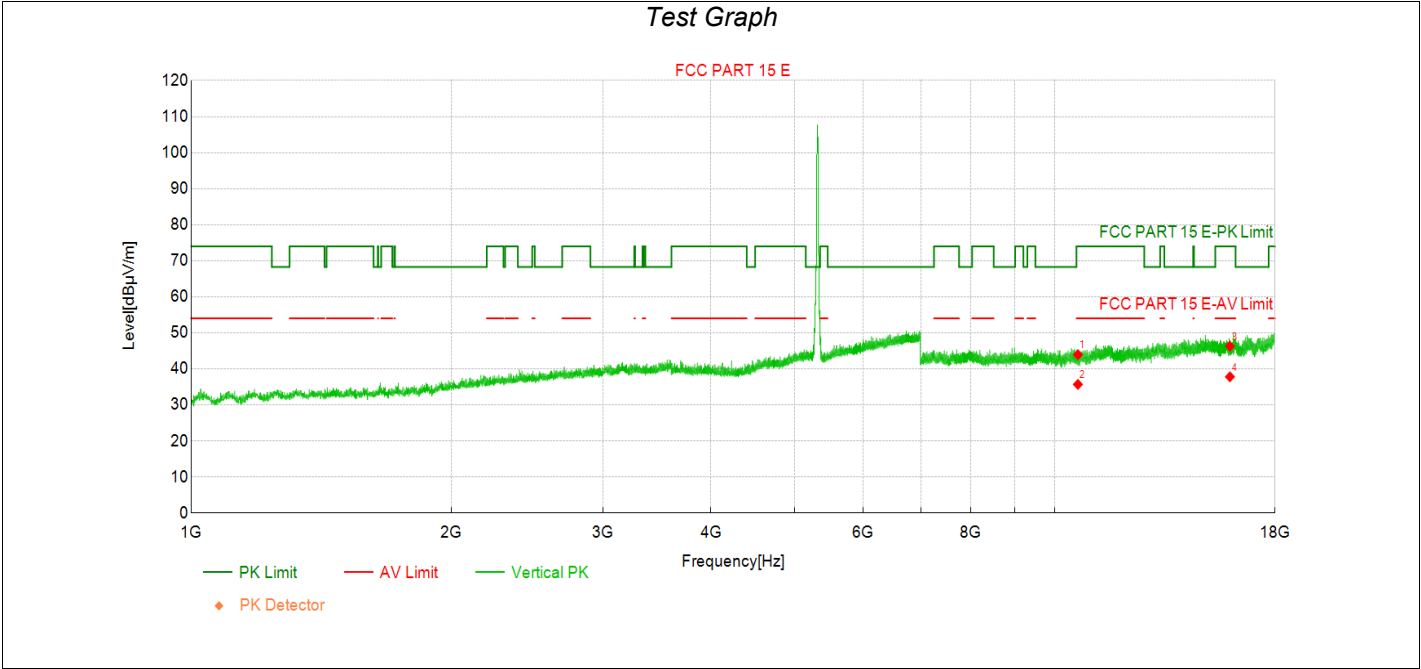
Transmit at 5320MHz by 802.11a with Ant MIMO



Data List

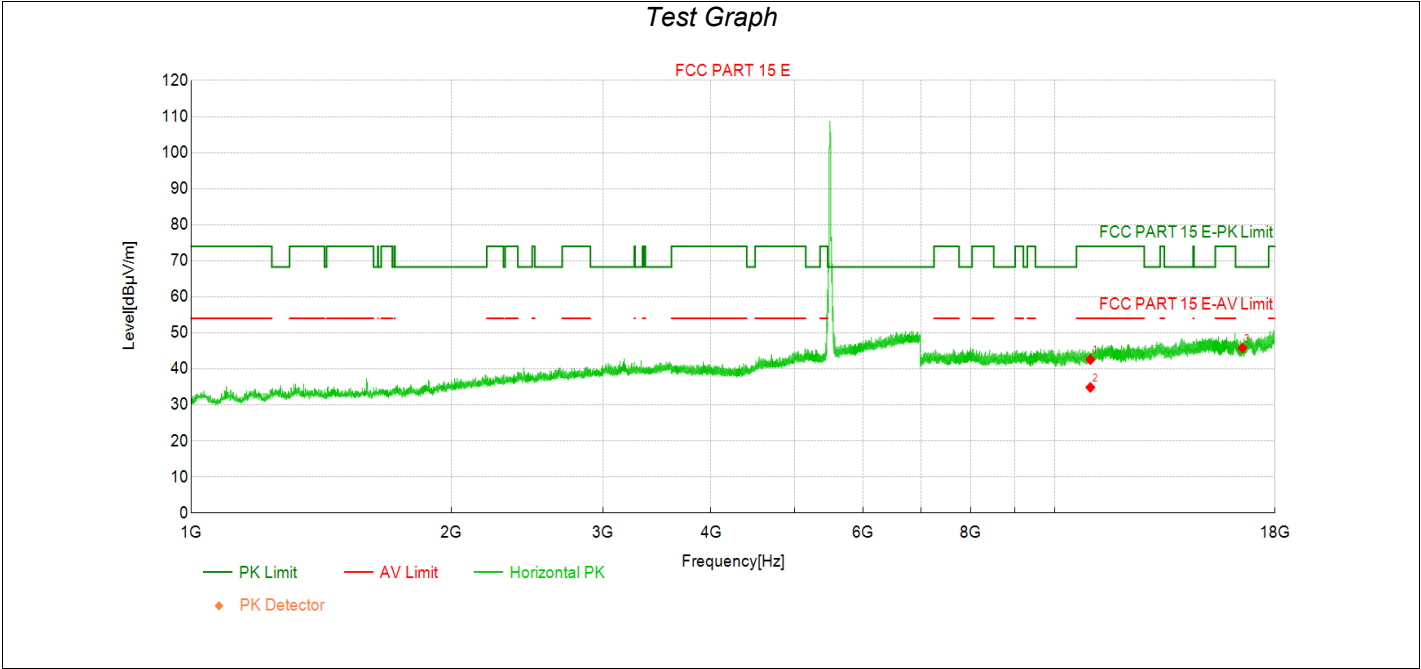
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10640.00	41.4	43.19	1.800	74.00	30.81	PK	Horizo	PASS
2	10640.00	32.7	34.49	1.800	54.00	19.51	AV	Horizo	PASS
3	15960.00	36.2	45.77	9.590	74.00	28.23	PK	Horizo	PASS
4	15960.00	27.1	36.71	9.590	54.00	17.29	AV	Horizo	PASS

Transmit at 5320MHz by 802.11a with Ant MIMO



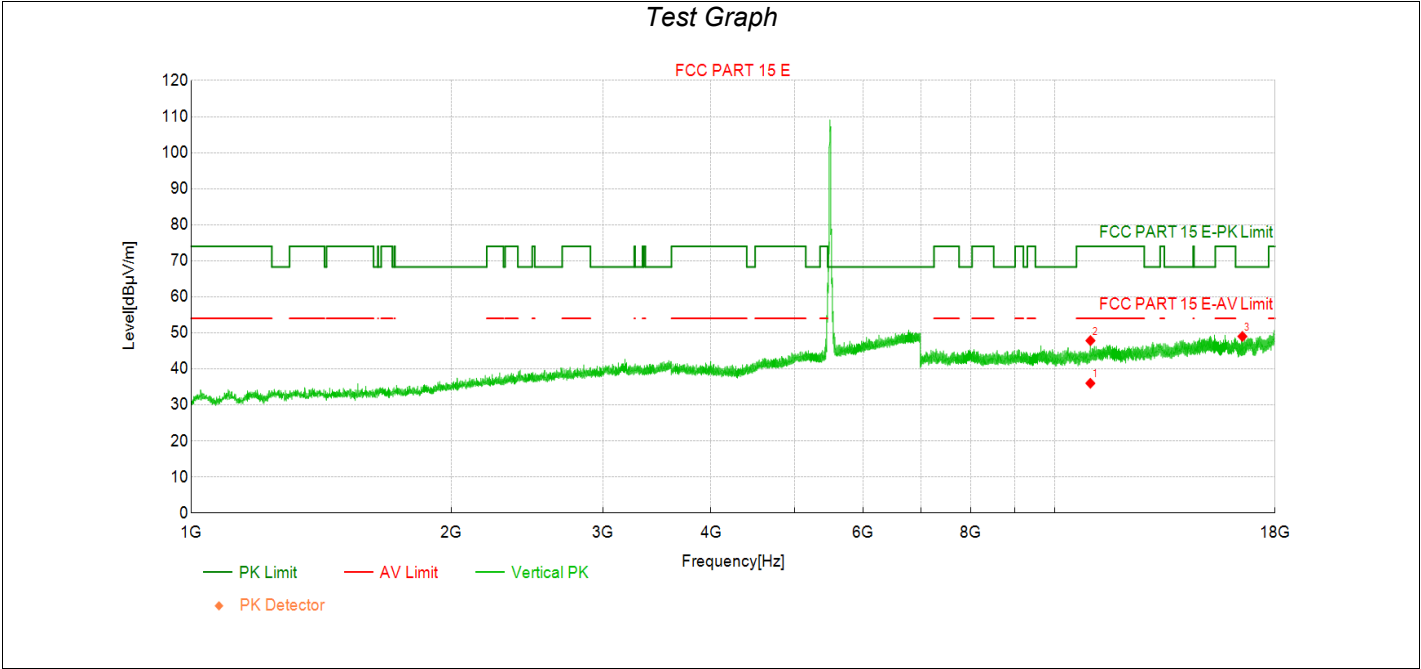
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10640.00	42.2	43.95	1.800	74.00	30.05	PK	Vertic	PASS
2	10640.00	33.9	35.69	1.800	54.00	18.31	AV	Vertic	PASS
3	15960.00	36.7	46.28	9.590	74.00	27.72	PK	Vertic	PASS
4	15960.00	28.2	37.80	9.590	54.00	16.20	AV	Vertic	PASS

Transmit at 5500MHz by 802.11a with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11000.00	40.5	42.56	2.020	74.00	31.44	PK	Horizo	PASS
2	11000.00	32.9	34.87	2.020	54.00	19.13	AV	Horizo	PASS
3	16500.00	36.3	45.78	9.470	68.30	22.52	PK	Horizo	PASS

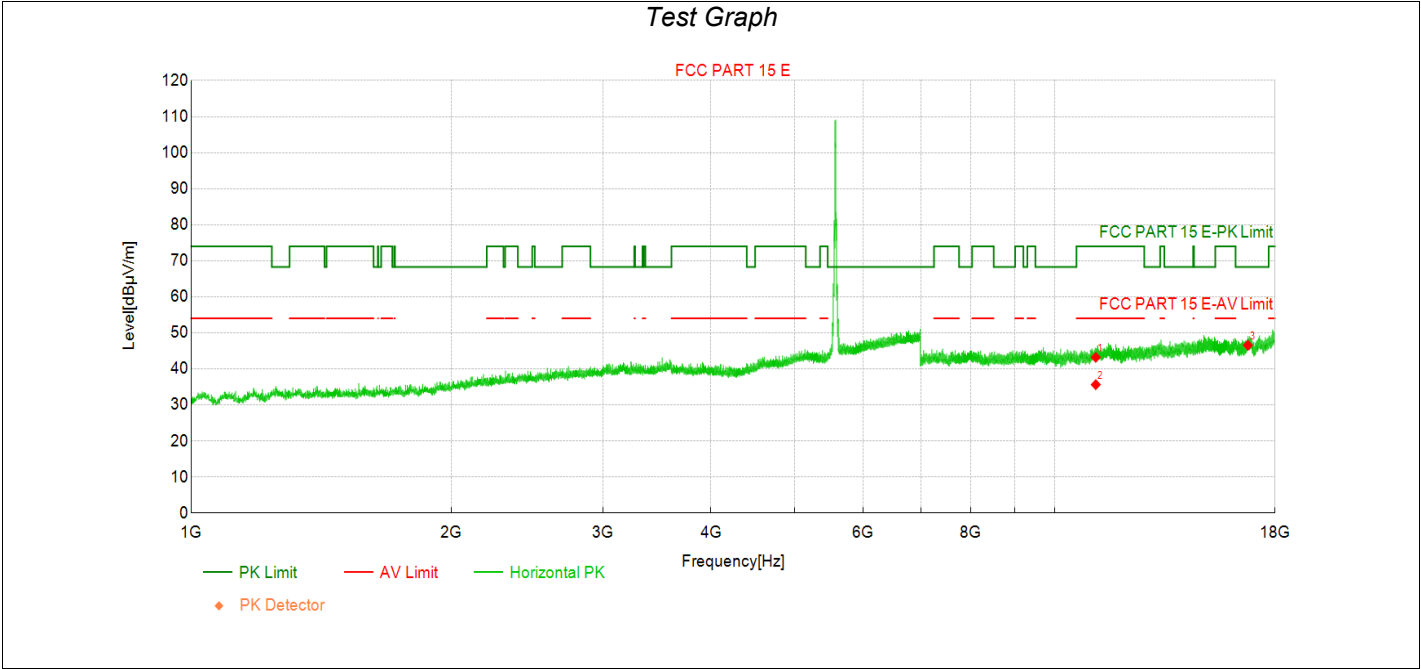
Transmit at 5500MHz by 802.11a with Ant MIMO



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11000.00	34.0	36.01	2.020	54.00	17.99	AV	Vertic	PASS
2	11002.17	45.8	47.84	2.050	74.00	26.16	PK	Vertic	PASS
3	16500.00	39.5	49.01	9.470	68.30	19.29	PK	Vertic	PASS

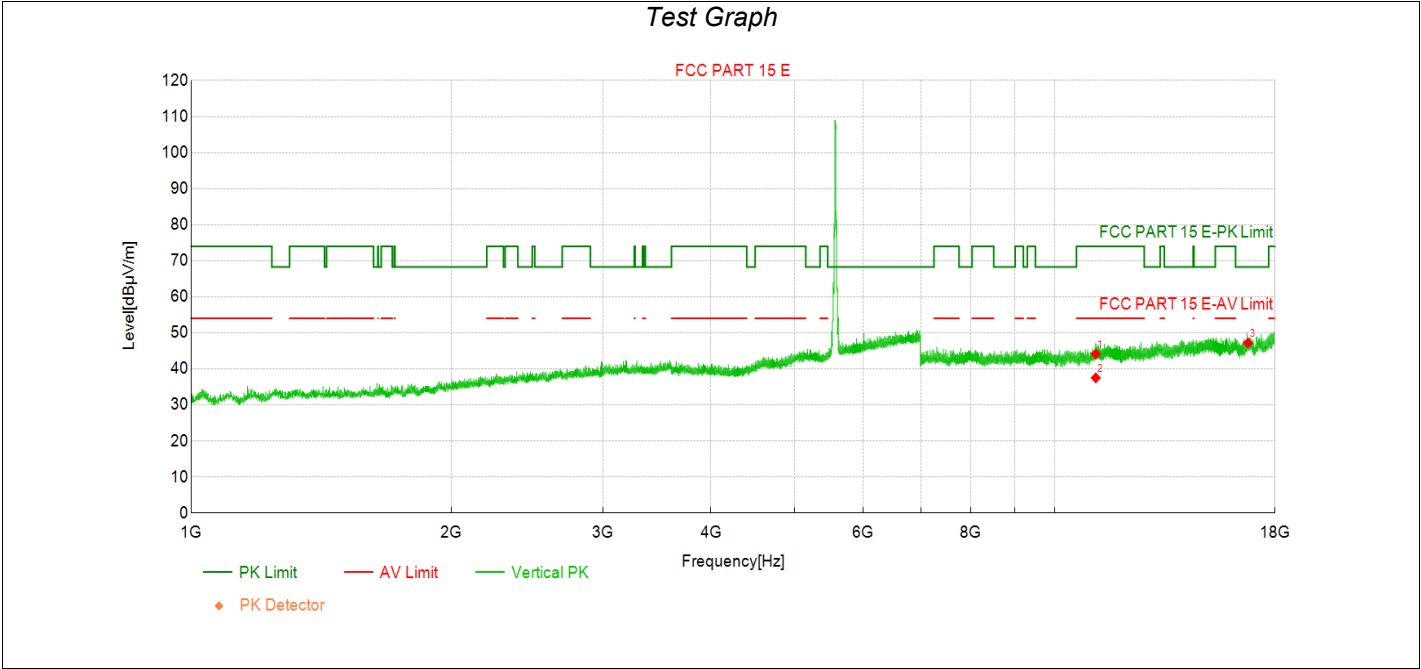
Transmit at 5580MHz by 802.11a with Ant MIMO



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11160.00	39.5	43.21	3.750	74.00	30.79	PK	Horizo	PASS
2	11160.00	31.9	35.63	3.750	54.00	18.37	AV	Horizo	PASS
3	16740.00	36.6	46.55	9.950	68.30	21.75	PK	Horizo	PASS

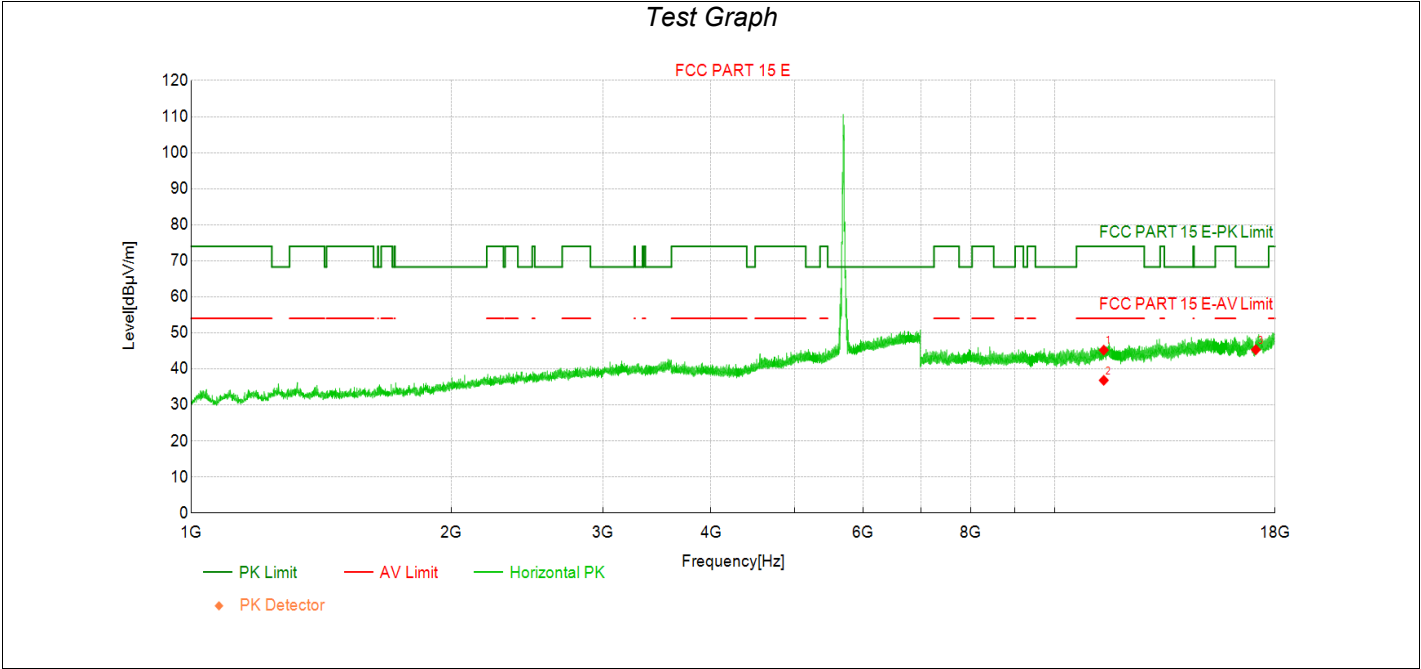
Transmit at 5580MHz by 802.11a with Ant MIMO



Data List

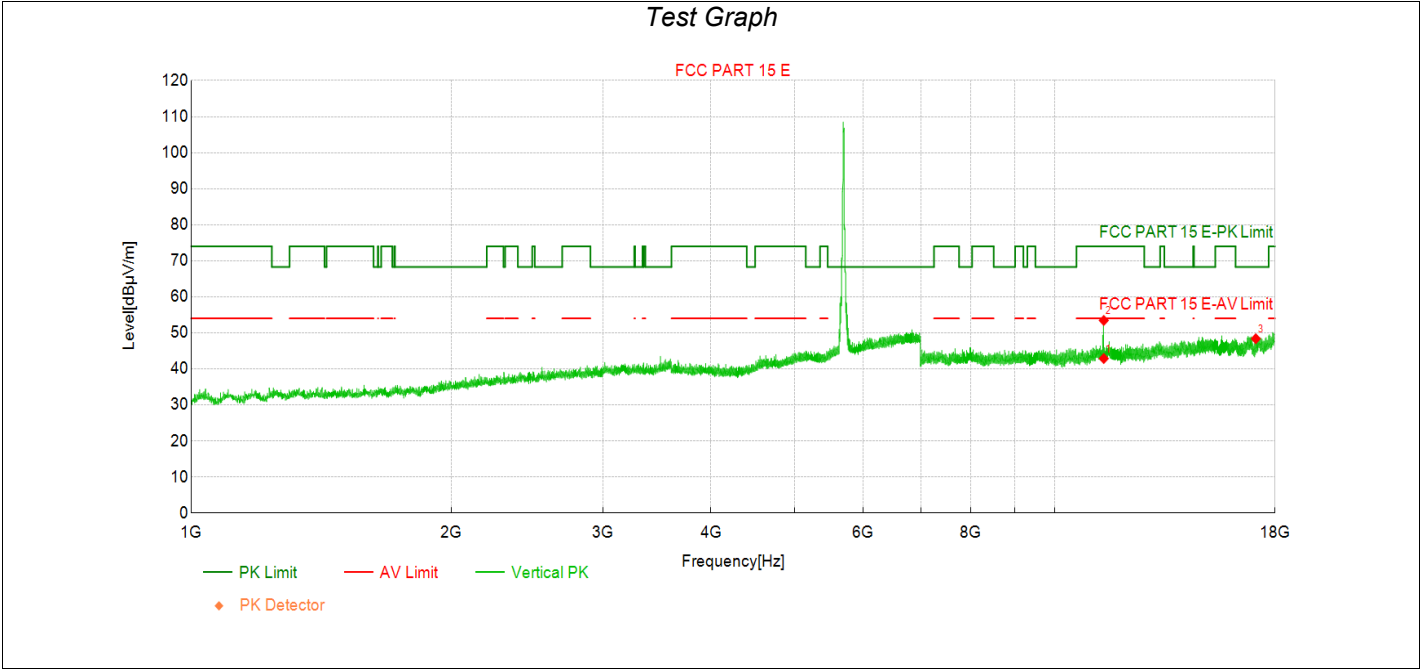
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11160.00	40.4	44.12	3.750	74.00	29.88	PK	Vertic	PASS
2	11160.00	33.8	37.50	3.750	54.00	16.50	AV	Vertic	PASS
3	16740.00	37.2	47.16	9.950	68.30	21.14	PK	Vertic	PASS

Transmit at 5700MHz by 802.11a with Ant MIMO



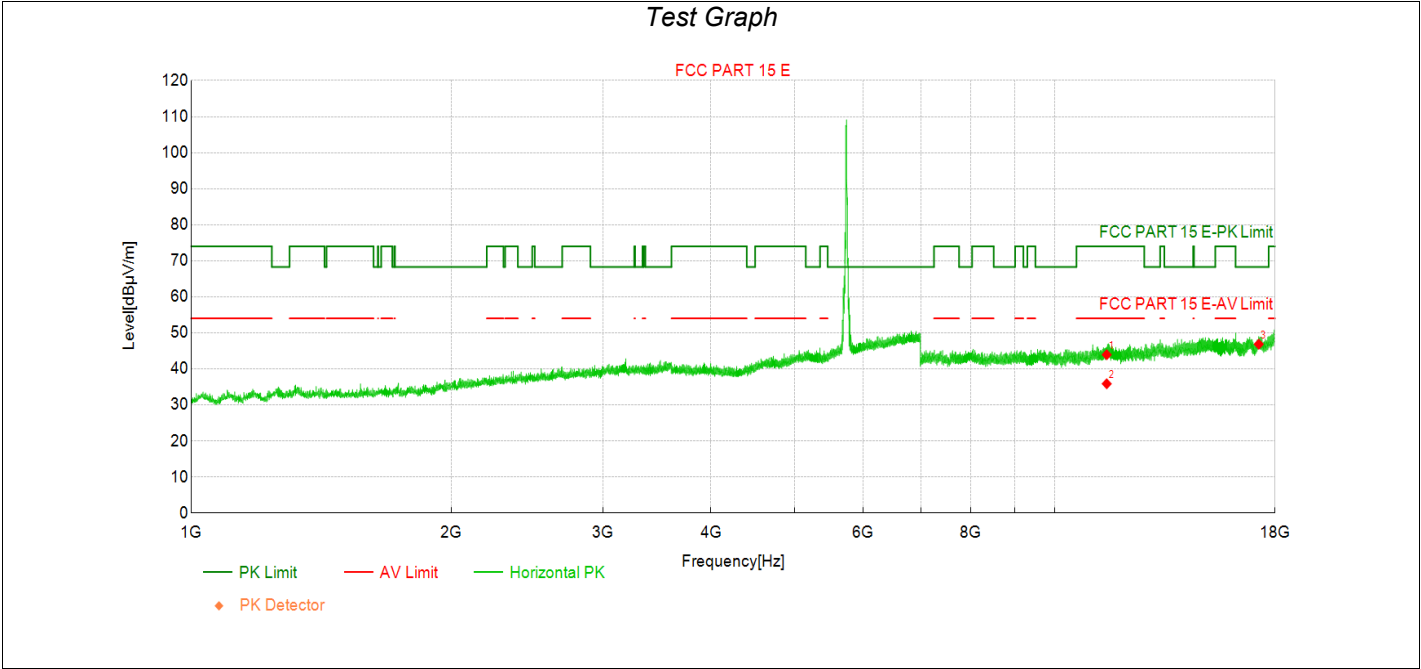
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11400.00	41.1	45.20	4.080	74.00	28.80	PK	Horizo	PASS
2	11400.00	32.8	36.83	4.080	54.00	17.17	AV	Horizo	PASS
3	17100.00	35.5	45.33	9.860	68.30	22.97	PK	Horizo	PASS

Transmit at 5700MHz by 802.11a with Ant MIMO



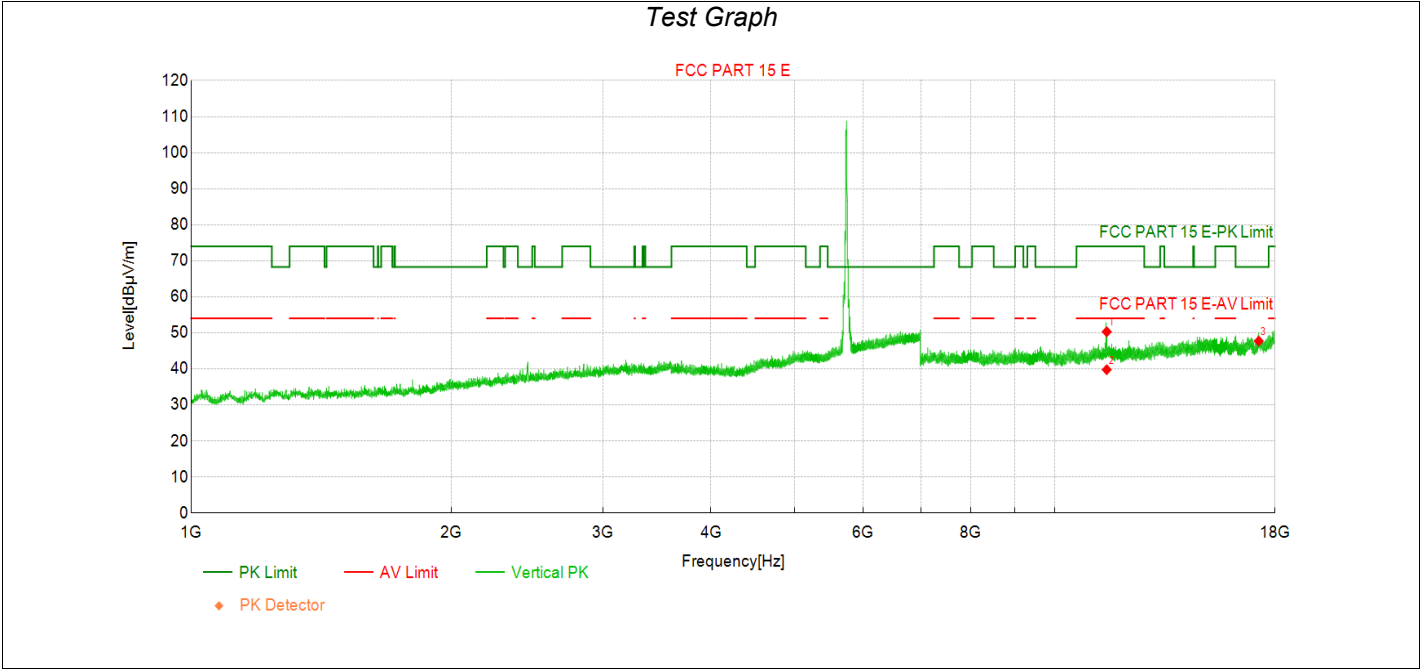
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11400.00	38.8	42.88	4.080	54.00	11.12	AV	Vertic	PASS
2	11400.92	49.4	53.45	4.080	74.00	20.55	PK	Vertic	PASS
3	17100.00	38.5	48.38	9.860	68.30	19.92	PK	Vertic	PASS

Transmit at 5745MHz by 802.11a with Ant MIMO



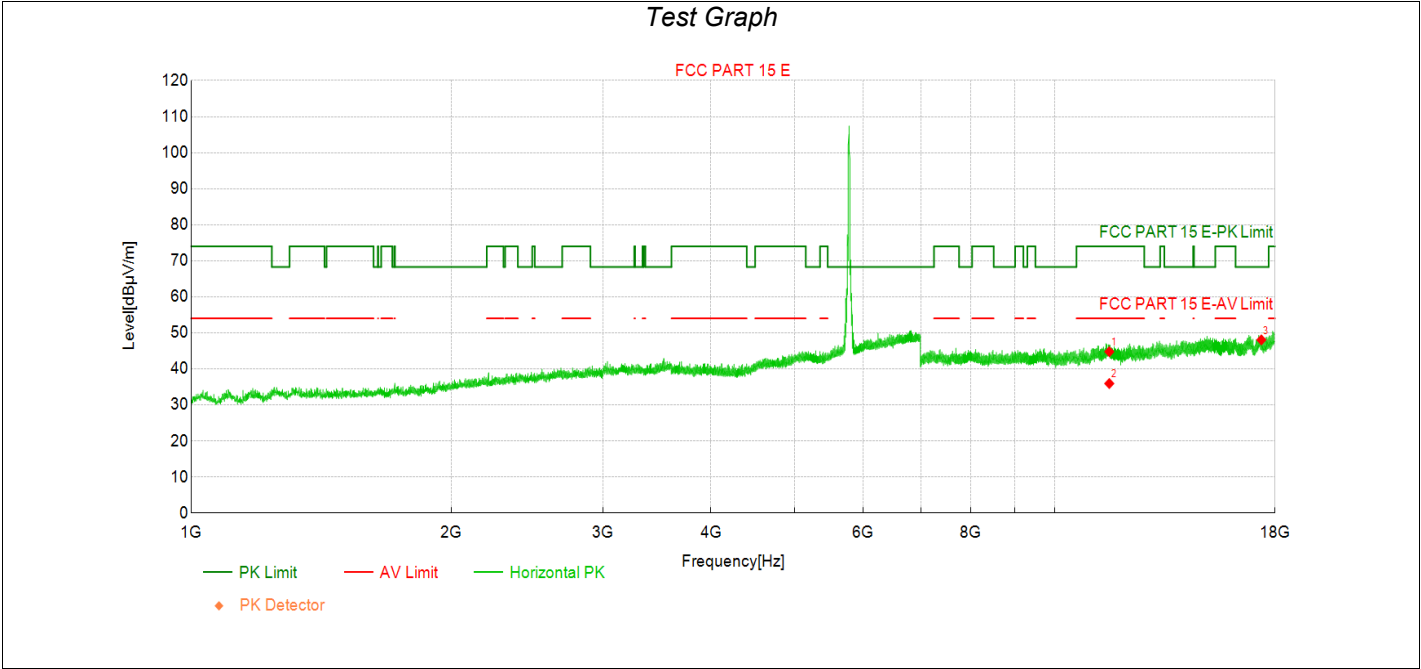
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	39.7	43.94	4.250	74.00	30.06	PK	Horizo	PASS
2	11490.00	31.6	35.87	4.250	54.00	18.13	AV	Horizo	PASS
3	17235.00	36.6	46.85	10.290	68.30	21.45	PK	Horizo	PASS

Transmit at 5745MHz by 802.11a with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	46.1	50.31	4.250	74.00	23.69	PK	Vertic	PASS
2	11490.00	35.5	39.78	4.250	54.00	14.22	AV	Vertic	PASS
3	17235.00	37.4	47.72	10.290	68.30	20.58	PK	Vertic	PASS

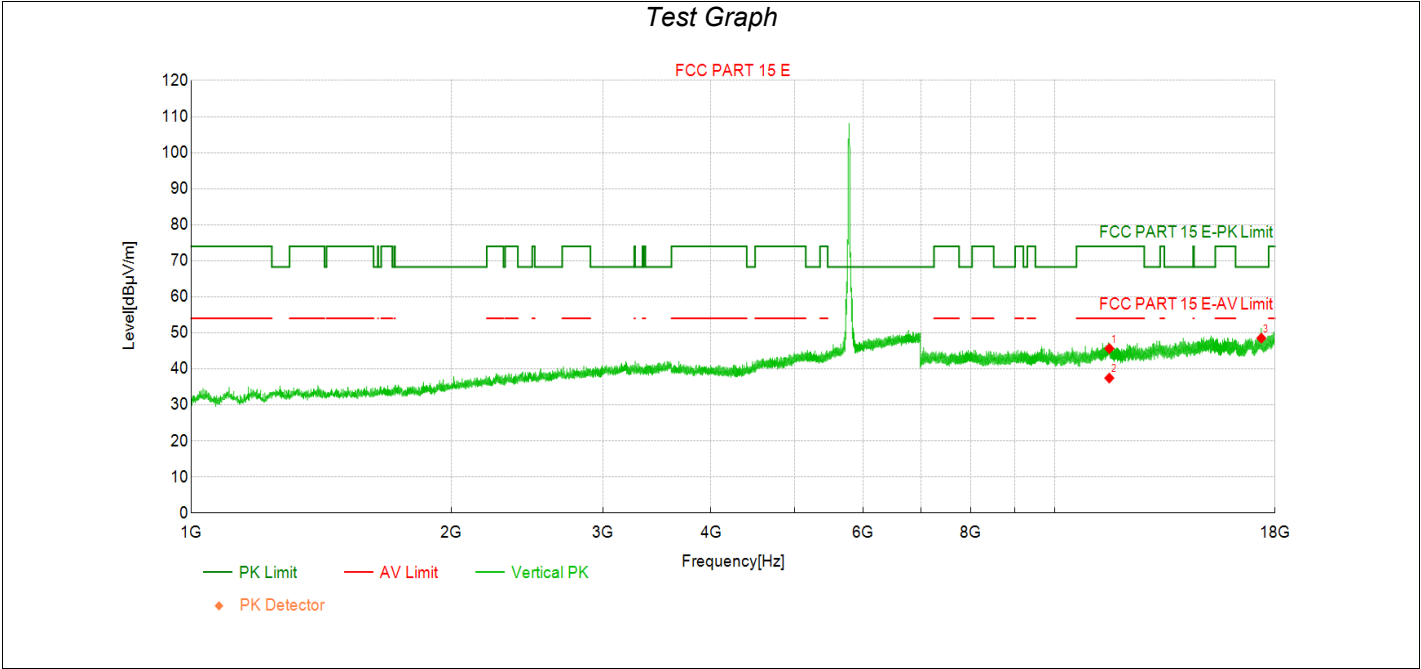
Transmit at 5785MHz by 802.11a with Ant MIMO



Data List

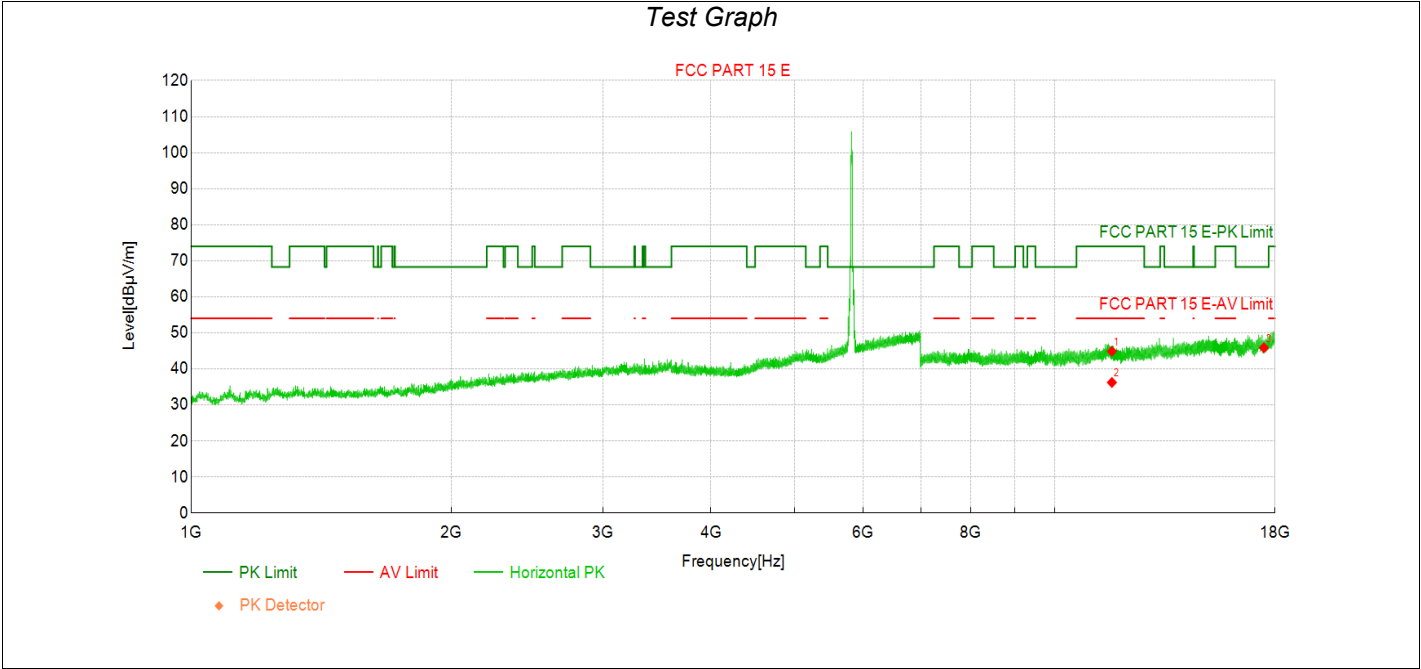
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	40.3	44.77	4.480	74.00	29.23	PK	Horizo	PASS
2	11570.00	31.5	35.94	4.480	54.00	18.06	AV	Horizo	PASS
3	17355.00	37.7	48.06	10.390	68.30	20.24	PK	Horizo	PASS

Transmit at 5785MHz by 802.11a with Ant MIMO



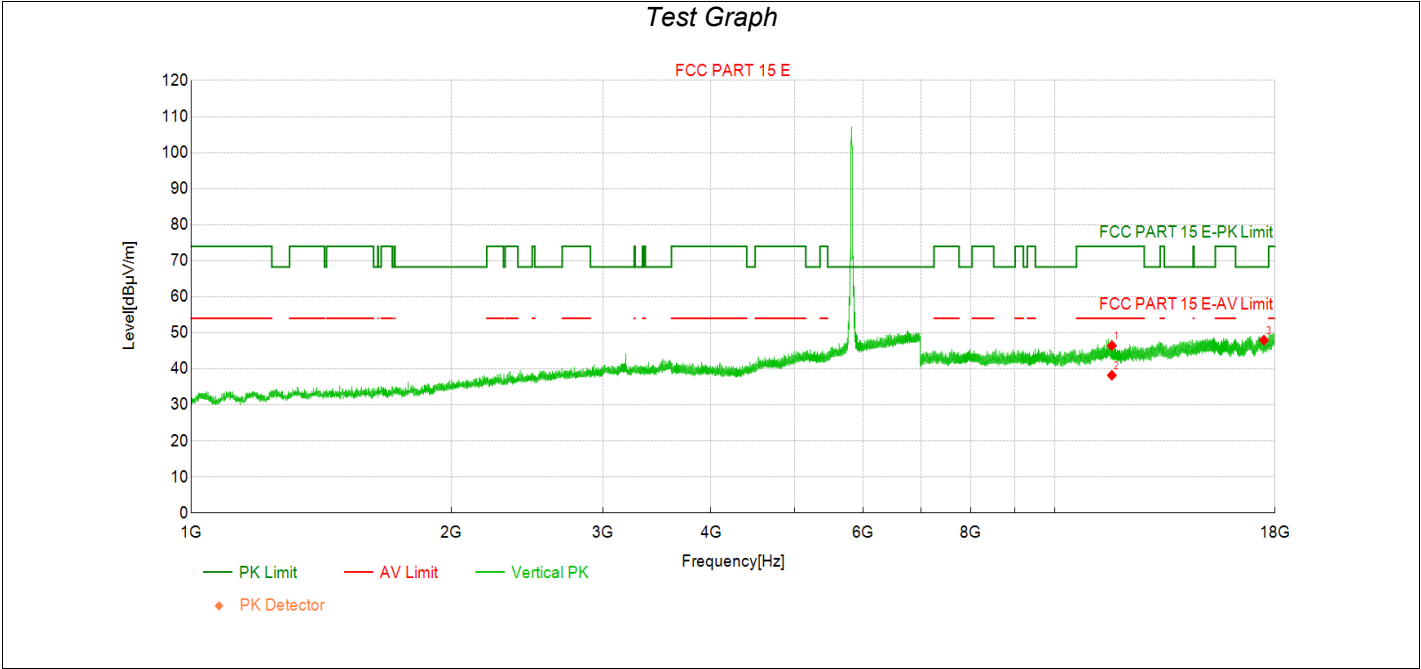
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	41.2	45.64	4.480	74.00	28.36	PK	Vertic	PASS
2	11570.00	33.0	37.45	4.480	54.00	16.55	AV	Vertic	PASS
3	17355.00	38.1	48.53	10.390	68.30	19.77	PK	Vertic	PASS

Transmit at 5825MHz by 802.11a with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	40.5	44.89	4.430	74.00	29.11	PK	Horizo	PASS
2	11650.00	31.8	36.23	4.430	54.00	17.77	AV	Horizo	PASS
3	17475.00	35.7	45.87	10.200	68.30	22.43	PK	Horizo	PASS

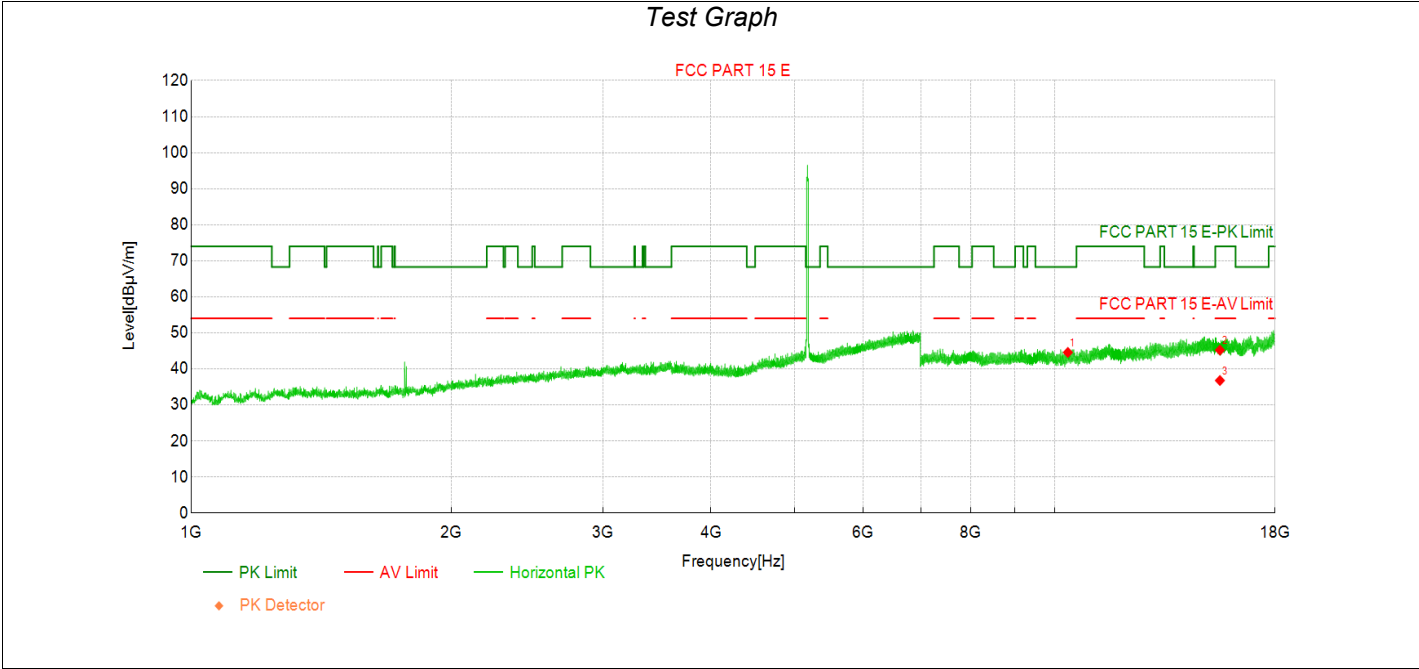
Transmit at 5825MHz by 802.11a with Ant MIMO



Data List

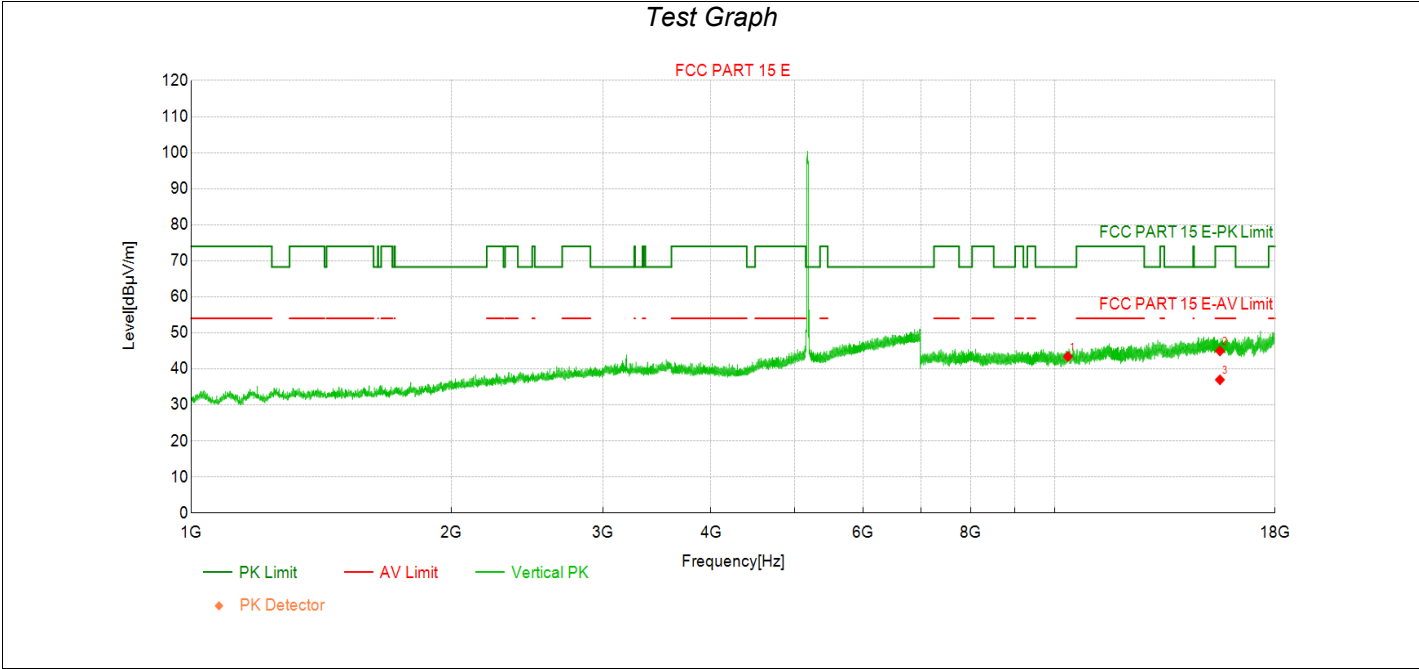
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	42.0	46.46	4.430	74.00	27.54	PK	Vertic	PASS
2	11650.00	33.8	38.22	4.430	54.00	15.78	AV	Vertic	PASS
3	17475.00	37.8	47.97	10.200	68.30	20.33	PK	Vertic	PASS

Transmit at 5180MHz by 802.11ac(20MHz) with Ant MIMO



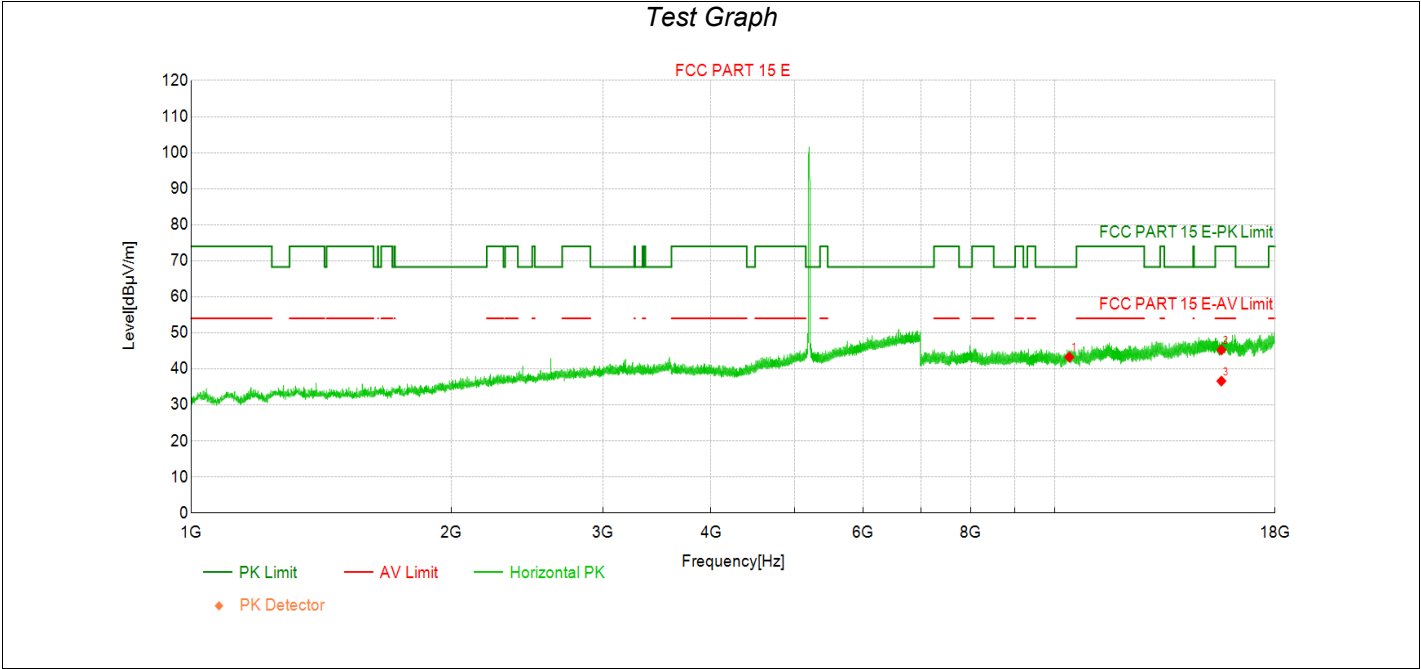
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	43.0	44.57	1.620	68.30	23.73	PK	Horizo	PASS
2	15540.00	36.1	45.21	9.100	74.00	28.79	PK	Horizo	PASS
3	15540.00	27.7	36.78	9.100	54.00	17.22	AV	Horizo	PASS

Transmit at 5180MHz by 802.11ac(20MHz) with Ant MIMO



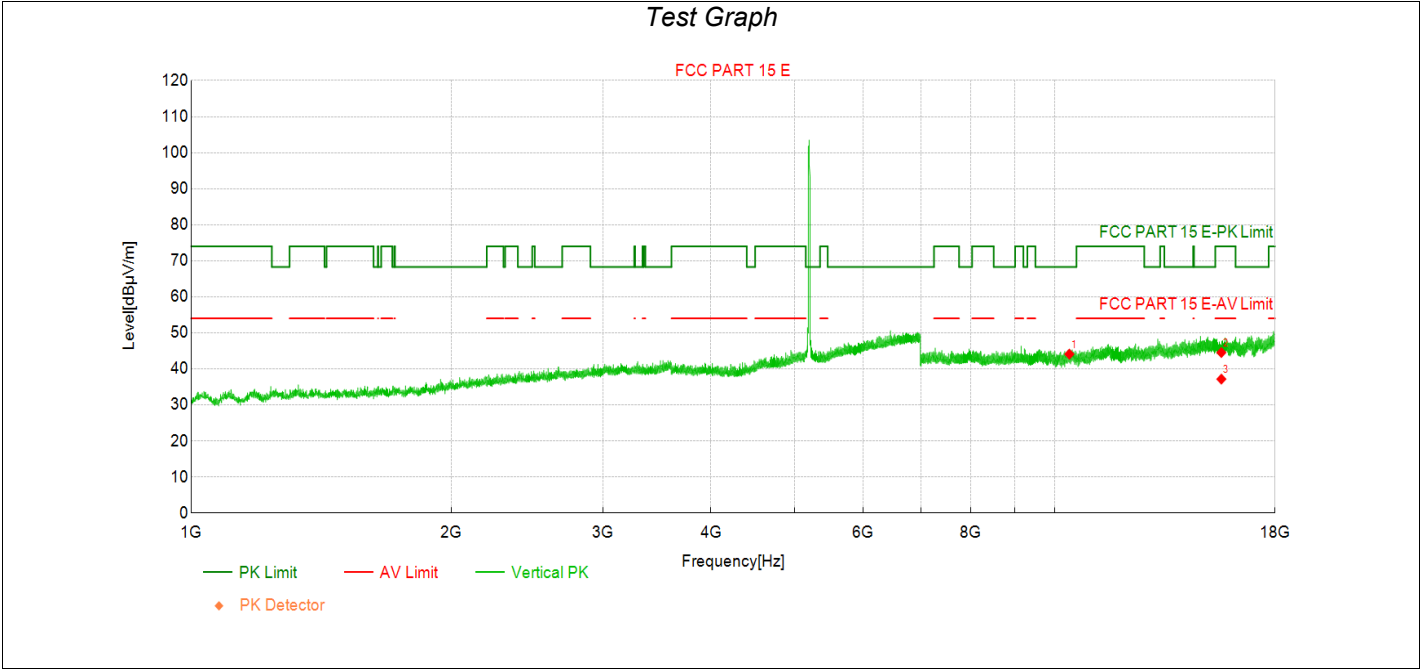
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	41.8	43.40	1.620	68.30	24.90	PK	Vertic	PASS
2	15540.00	35.9	44.98	9.100	74.00	29.02	PK	Vertic	PASS
3	15540.00	27.9	36.98	9.100	54.00	17.02	AV	Vertic	PASS

Transmit at 5200MHz by 802.11ac(20MHz) with Ant MIMO



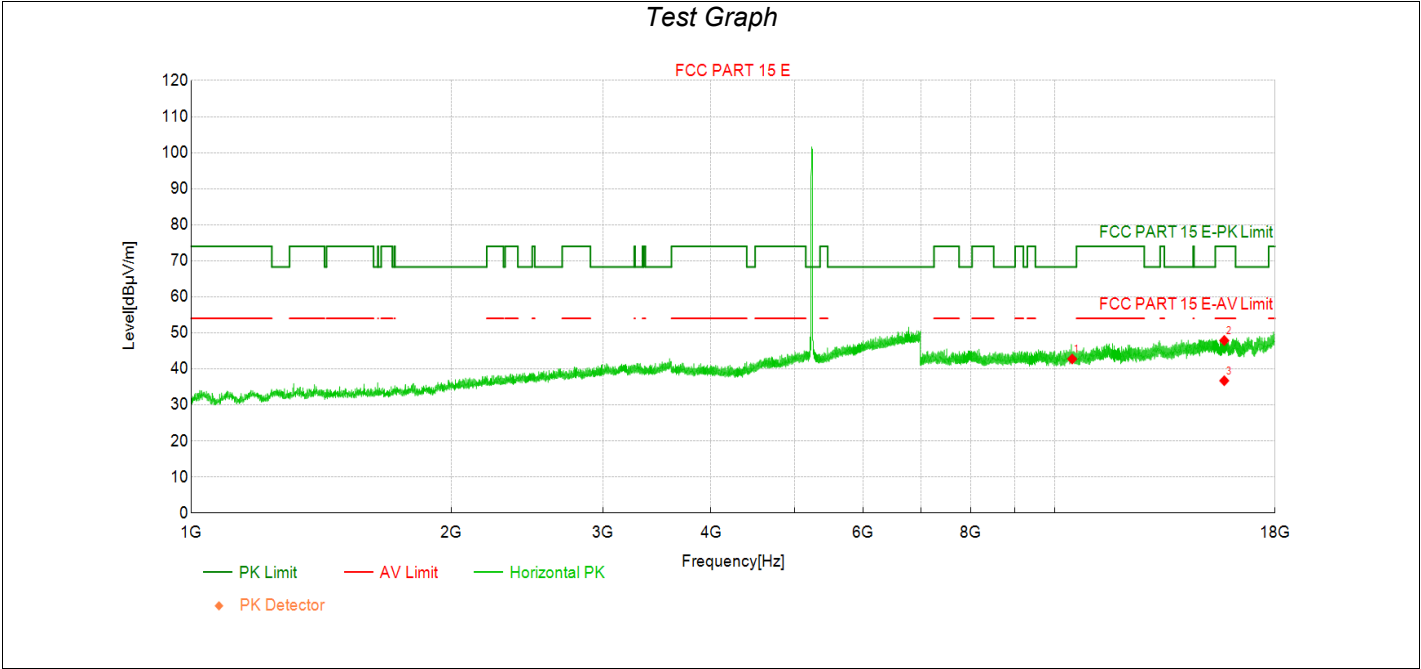
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	41.7	43.27	1.550	68.30	25.03	PK	Horizo	PASS
2	15600.00	36.0	45.26	9.310	74.00	28.74	PK	Horizo	PASS
3	15600.00	27.3	36.62	9.310	54.00	17.38	AV	Horizo	PASS

Transmit at 5200MHz by 802.11ac(20MHz) with Ant MIMO



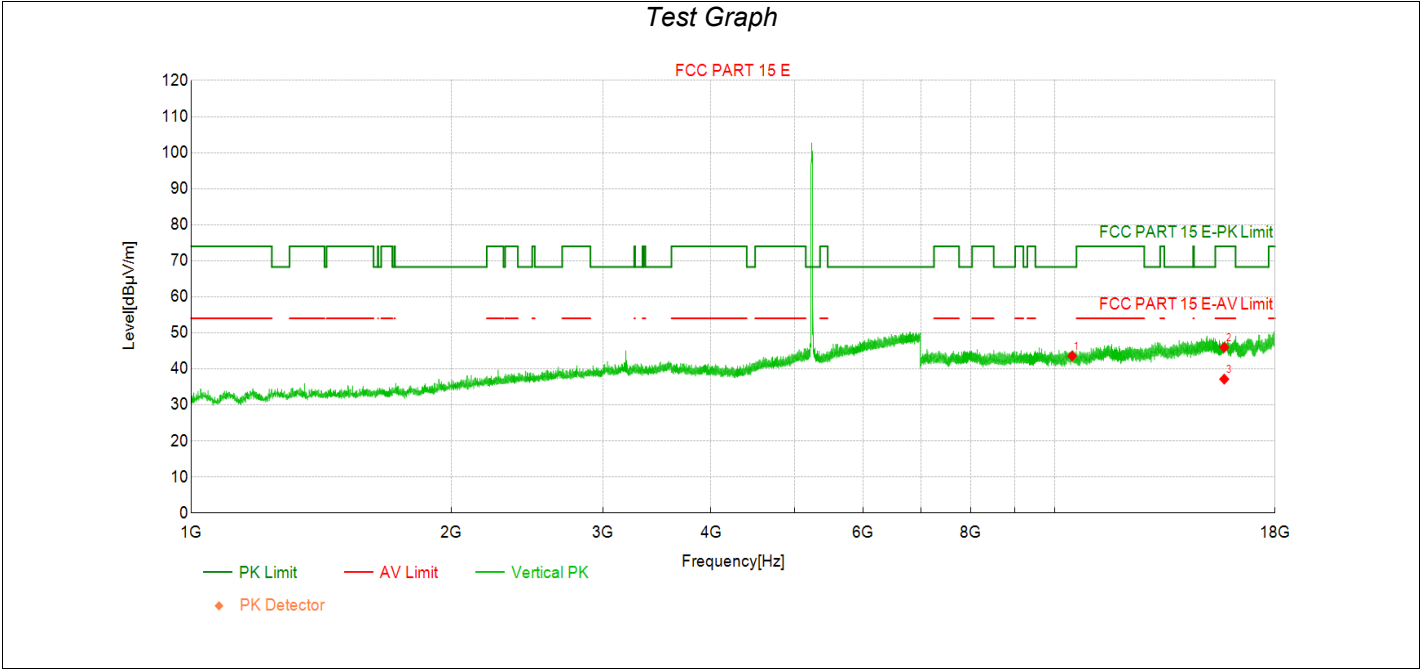
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	42.6	44.10	1.550	68.30	24.20	PK	Vertic	PASS
2	15600.00	35.2	44.53	9.310	74.00	29.47	PK	Vertic	PASS
3	15600.00	27.9	37.16	9.310	54.00	16.84	AV	Vertic	PASS

Transmit at 5240MHz by 802.11ac(20MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	41.1	42.75	1.680	68.30	25.55	PK	Horizo	PASS
2	15720.00	38.4	47.87	9.500	74.00	26.13	PK	Horizo	PASS
3	15720.00	27.2	36.71	9.500	54.00	17.29	AV	Horizo	PASS

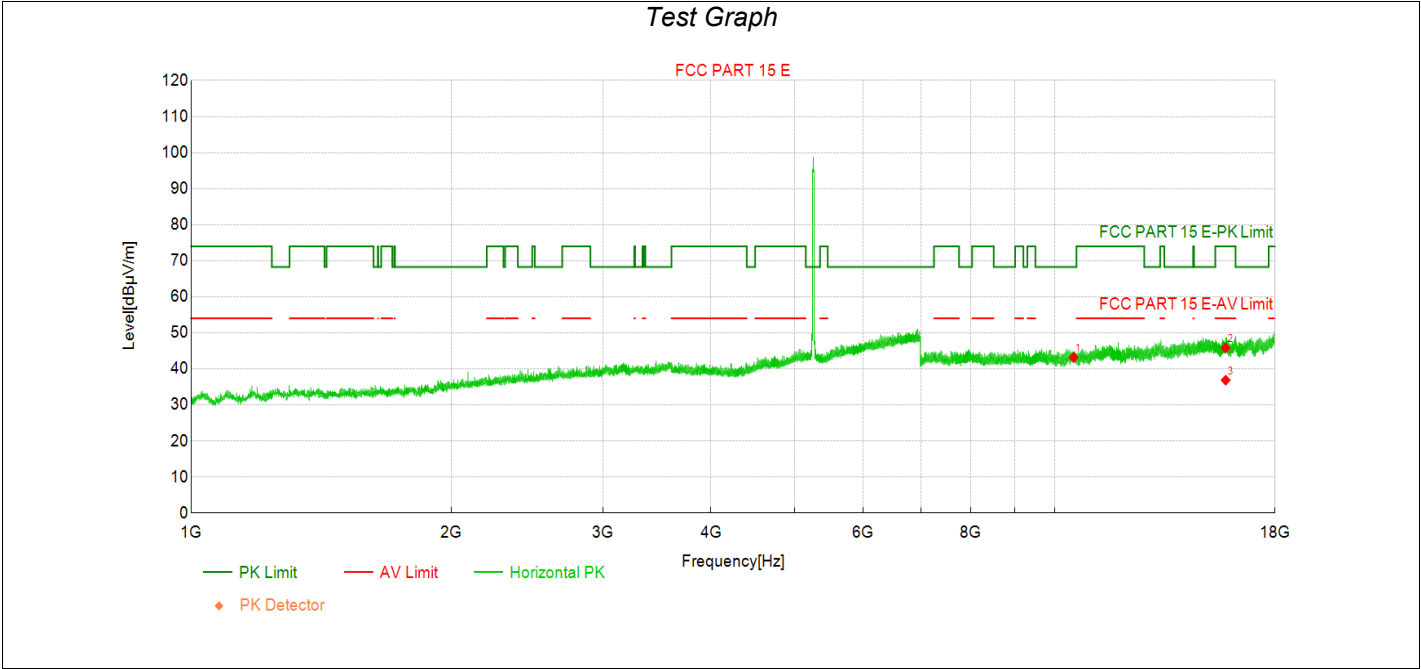
Transmit at 5240MHz by 802.11ac(20MHz) with Ant MIMO



Data List

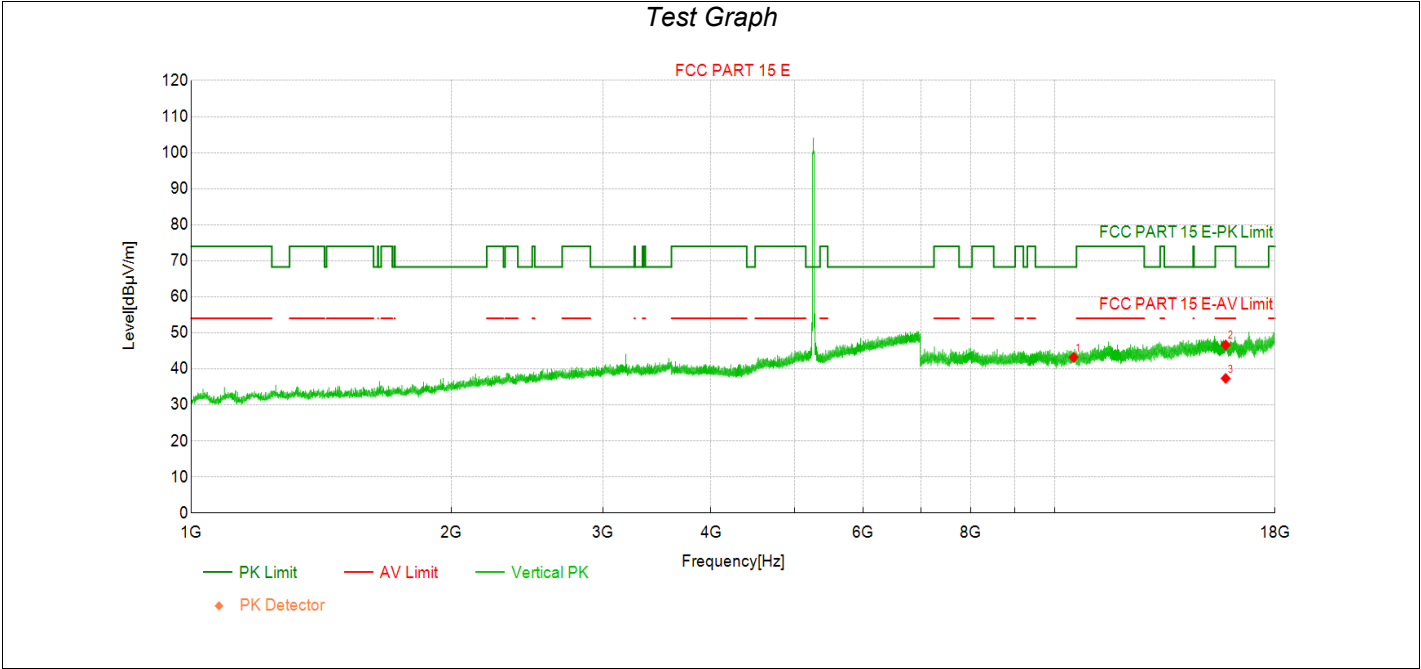
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	41.9	43.60	1.680	68.30	24.70	PK	Vertic	PASS
2	15720.00	36.5	45.98	9.500	74.00	28.02	PK	Vertic	PASS
3	15720.00	27.7	37.15	9.500	54.00	16.85	AV	Vertic	PASS

Transmit at 5260MHz by 802.11ac(20MHz) with Ant MIMO



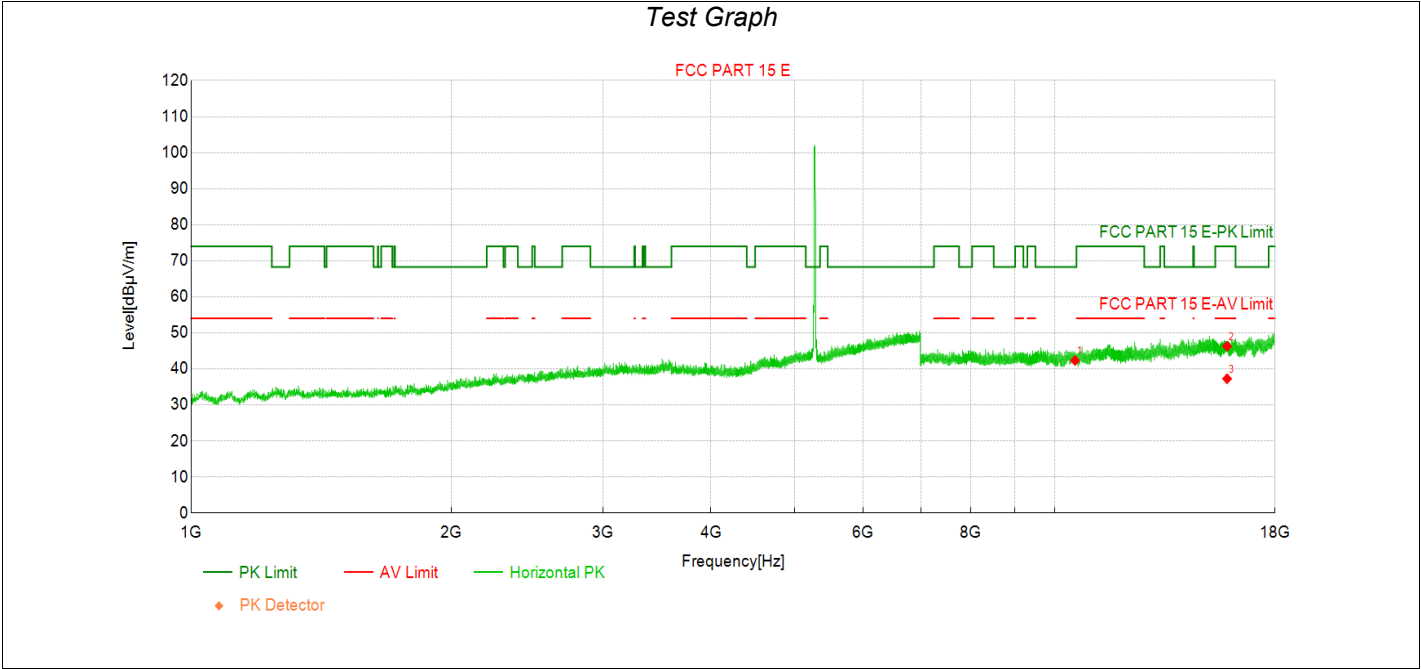
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10520.00	41.5	43.17	1.690	68.30	25.13	PK	Horizo	PASS
2	15780.00	36.5	45.78	9.330	74.00	28.22	PK	Horizo	PASS
3	15780.00	27.5	36.87	9.330	54.00	17.13	AV	Horizo	PASS

Transmit at 5260MHz by 802.11ac(20MHz) with Ant MIMO



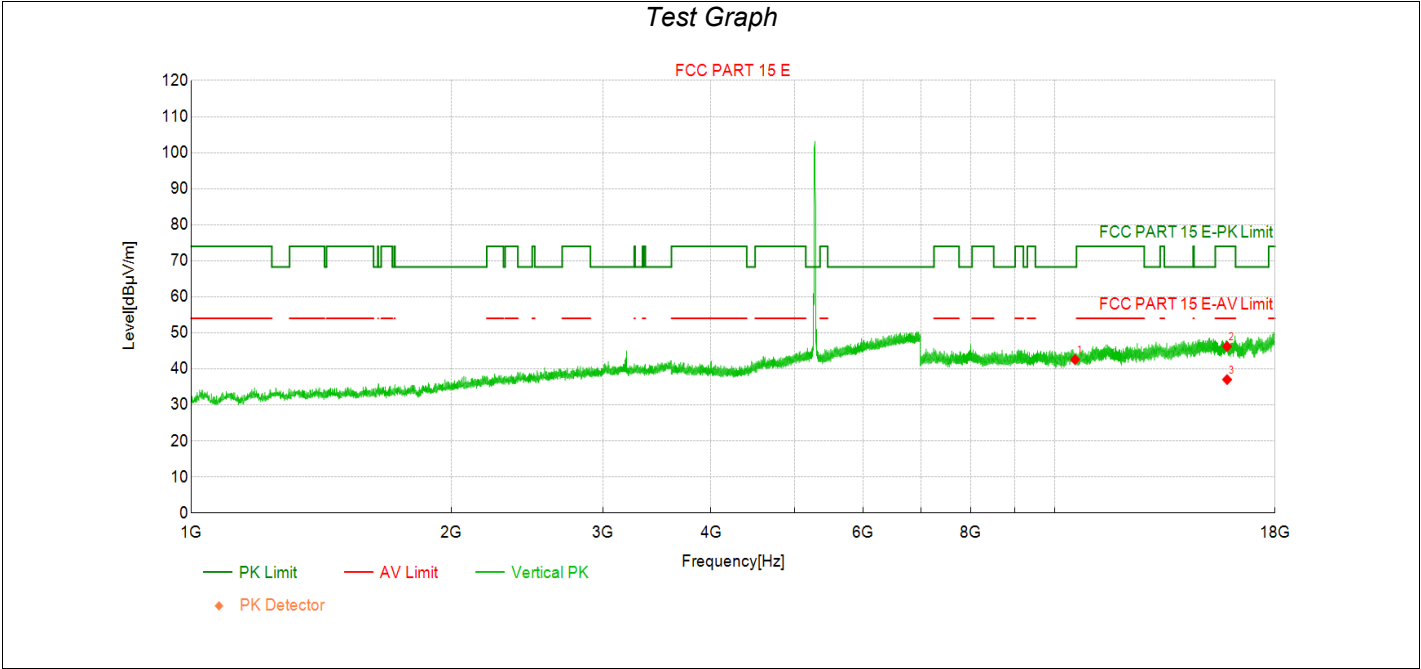
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10520.00	41.5	43.21	1.690	68.30	25.09	PK	Vertic	PASS
2	15780.00	37.3	46.63	9.330	74.00	27.37	PK	Vertic	PASS
3	15780.00	28.0	37.35	9.330	54.00	16.65	AV	Vertic	PASS

Transmit at 5280MHz by 802.11ac(20MHz) with Ant MIMO



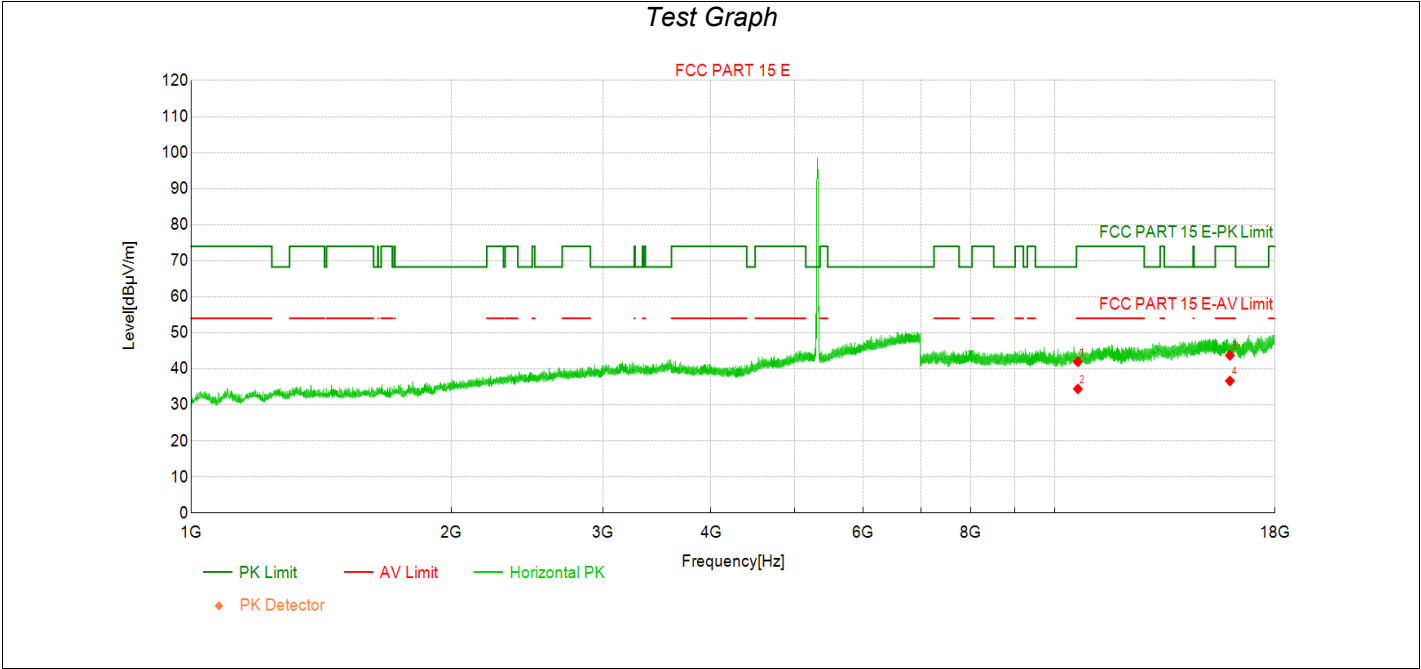
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10560.00	40.7	42.32	1.630	68.30	25.98	PK	Horizo	PASS
2	15840.00	37.0	46.29	9.280	74.00	27.71	PK	Horizo	PASS
3	15840.00	28.0	37.27	9.280	54.00	16.73	AV	Horizo	PASS

Transmit at 5280MHz by 802.11ac(20MHz) with Ant MIMO



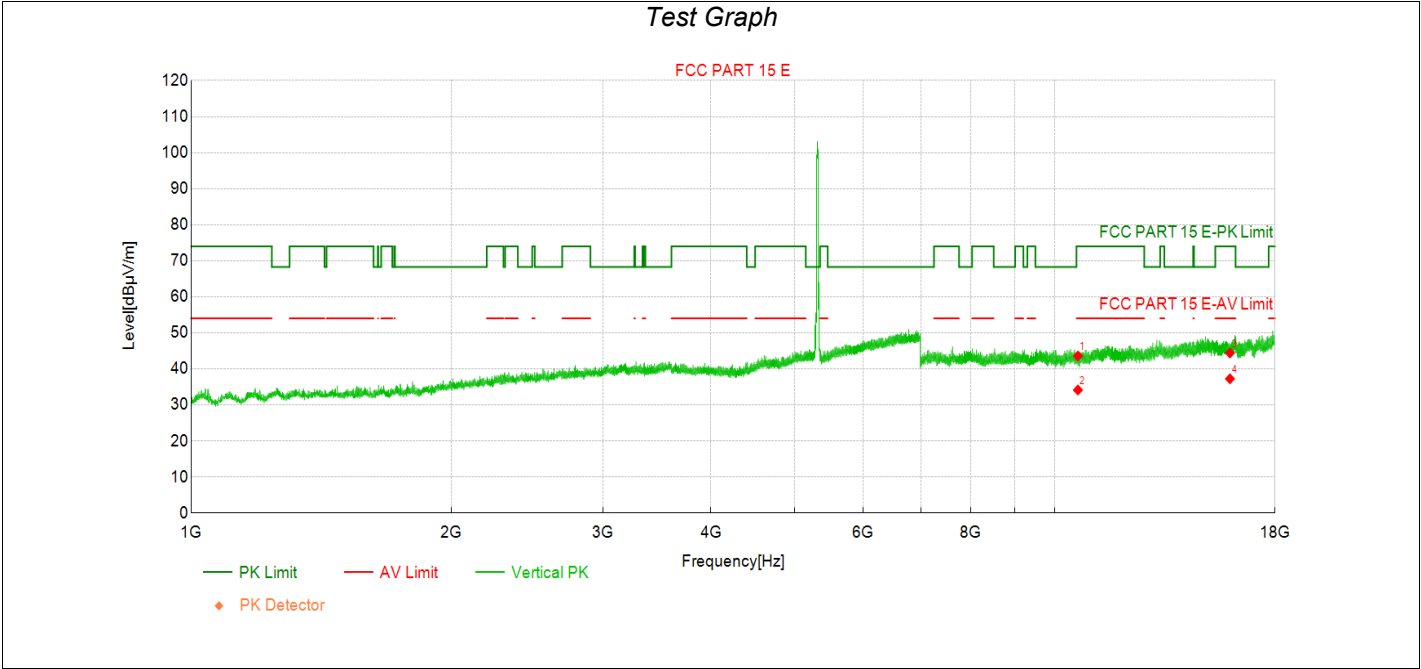
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10560.00	41.0	42.58	1.630	68.30	25.72	PK	Vertic	PASS
2	15840.00	37.0	46.23	9.280	74.00	27.77	PK	Vertic	PASS
3	15840.00	27.8	37.03	9.280	54.00	16.97	AV	Vertic	PASS

Transmit at 5320MHz by 802.11ac(20MHz) with Ant MIMO



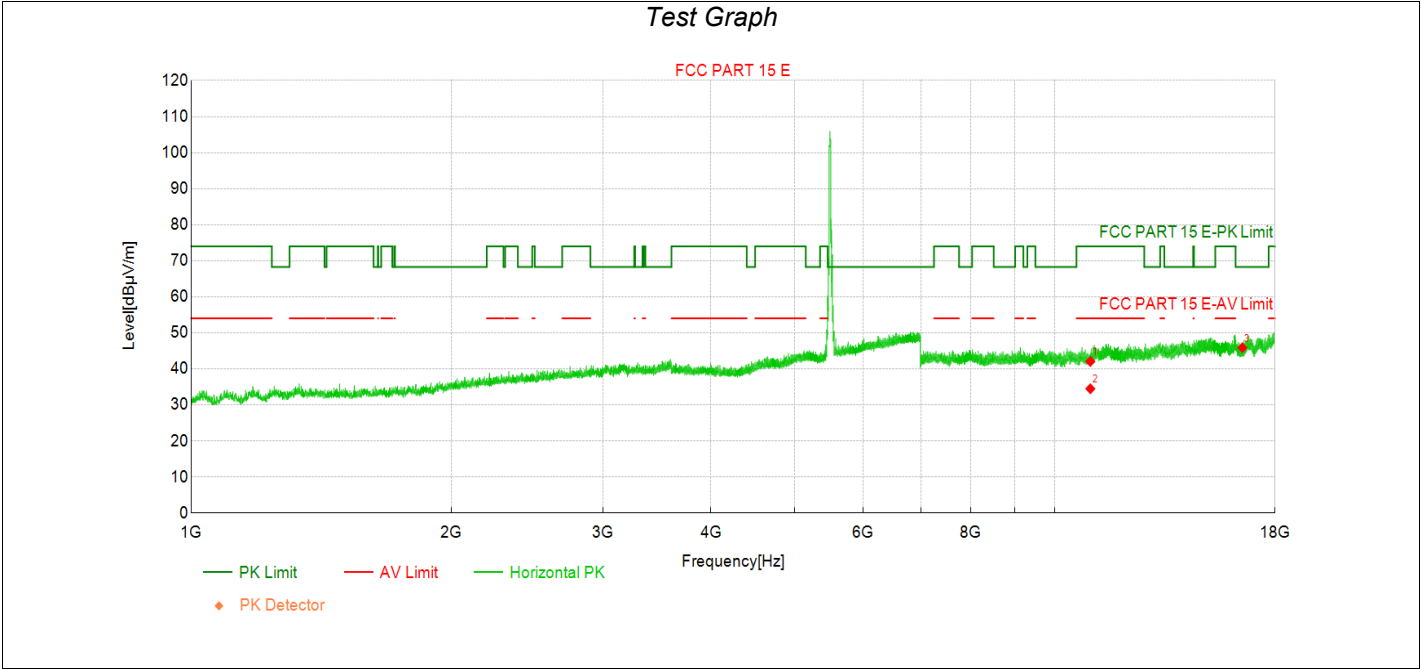
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10640.00	40.2	41.98	1.800	74.00	32.02	PK	Horizo	PASS
2	10640.00	32.6	34.44	1.800	54.00	19.56	AV	Horizo	PASS
3	15960.00	34.2	43.74	9.590	74.00	30.26	PK	Horizo	PASS
4	15960.00	27.1	36.65	9.590	54.00	17.35	AV	Horizo	PASS

Transmit at 5320MHz by 802.11ac(20MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10640.00	41.8	43.59	1.800	74.00	30.41	PK	Vertic	PASS
2	10640.00	32.3	34.14	1.800	54.00	19.86	AV	Vertic	PASS
3	15960.00	34.8	44.41	9.590	74.00	29.59	PK	Vertic	PASS
4	15960.00	27.7	37.26	9.590	54.00	16.74	AV	Vertic	PASS

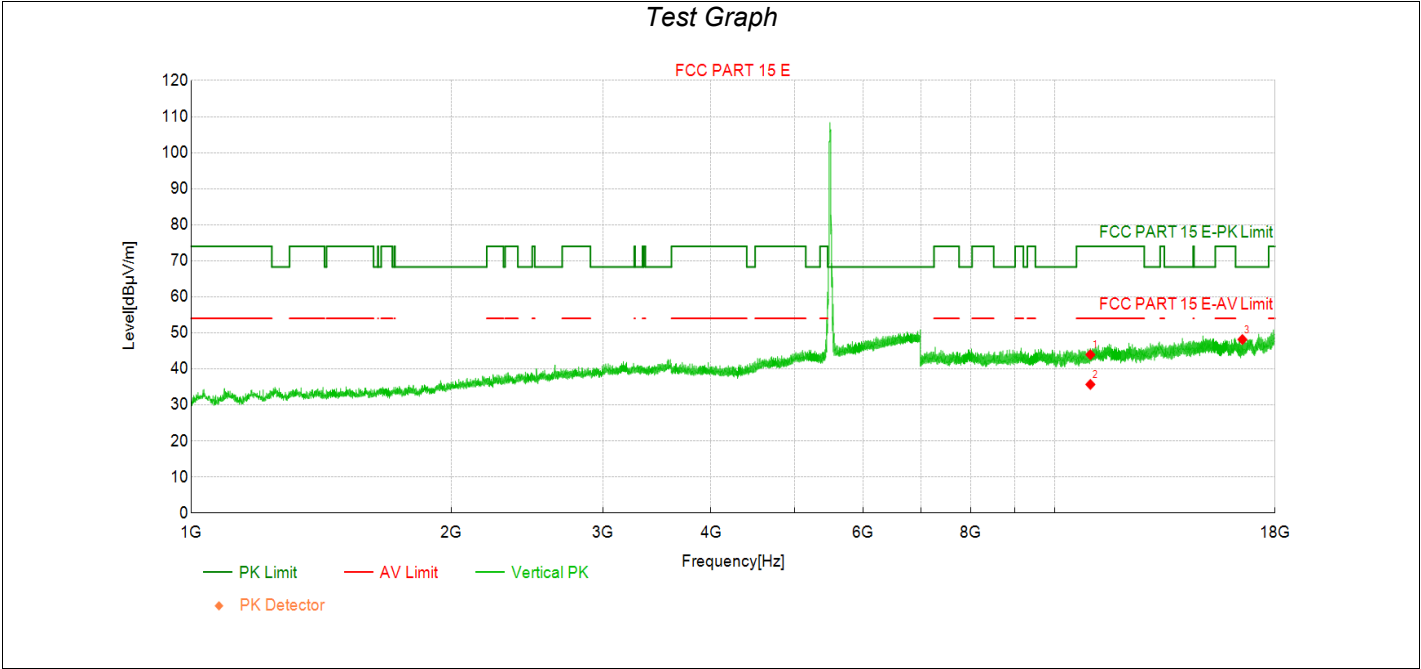
Transmit at 5500MHz by 802.11ac(20MHz) with Ant MIMO



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11000.00	40.0	42.06	2.020	74.00	31.94	PK	Horizo	PASS
2	11000.00	32.5	34.49	2.020	54.00	19.51	AV	Horizo	PASS
3	16500.00	36.4	45.87	9.470	68.30	22.43	PK	Horizo	PASS

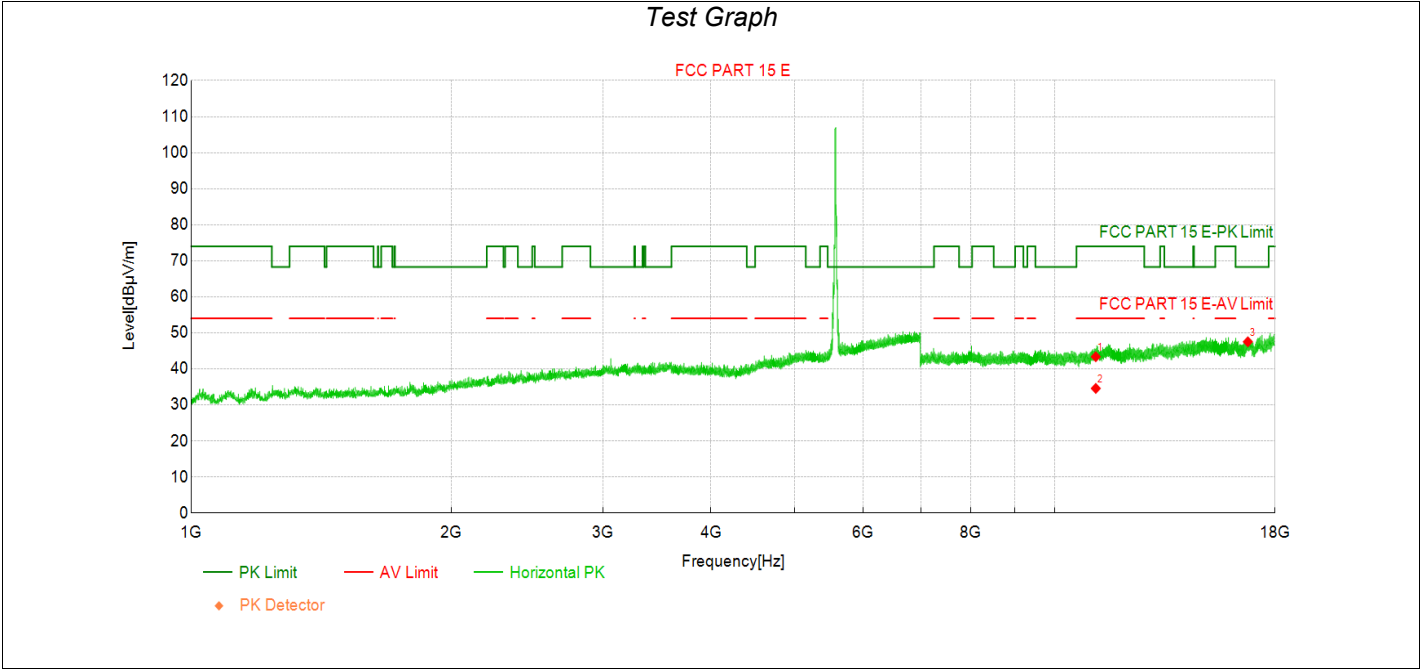
Transmit at 5500MHz by 802.11ac(20MHz) with Ant MIMO



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11000.00	41.9	43.95	2.020	74.00	30.05	PK	Vertic	PASS
2	11000.00	33.7	35.68	2.020	54.00	18.32	AV	Vertic	PASS
3	16500.00	38.7	48.15	9.470	68.30	20.15	PK	Vertic	PASS

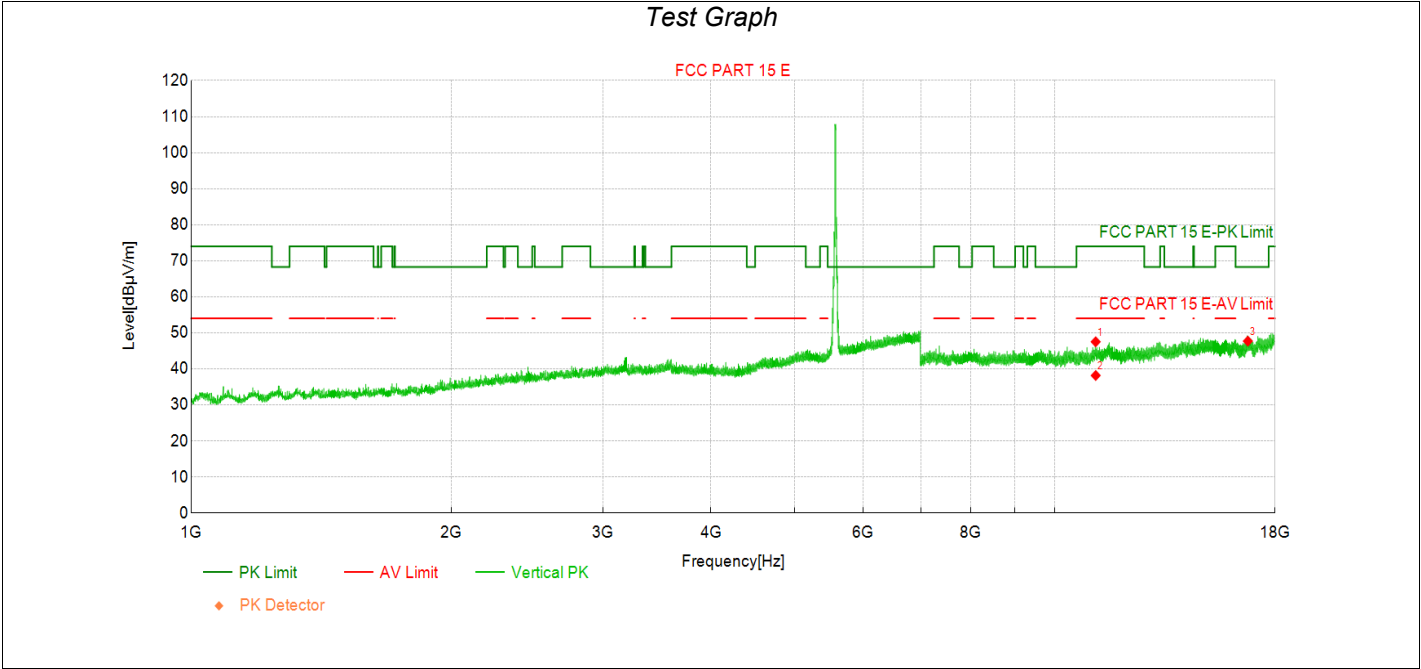
Transmit at 5580MHz by 802.11ac(20MHz) with Ant MIMO



Data List

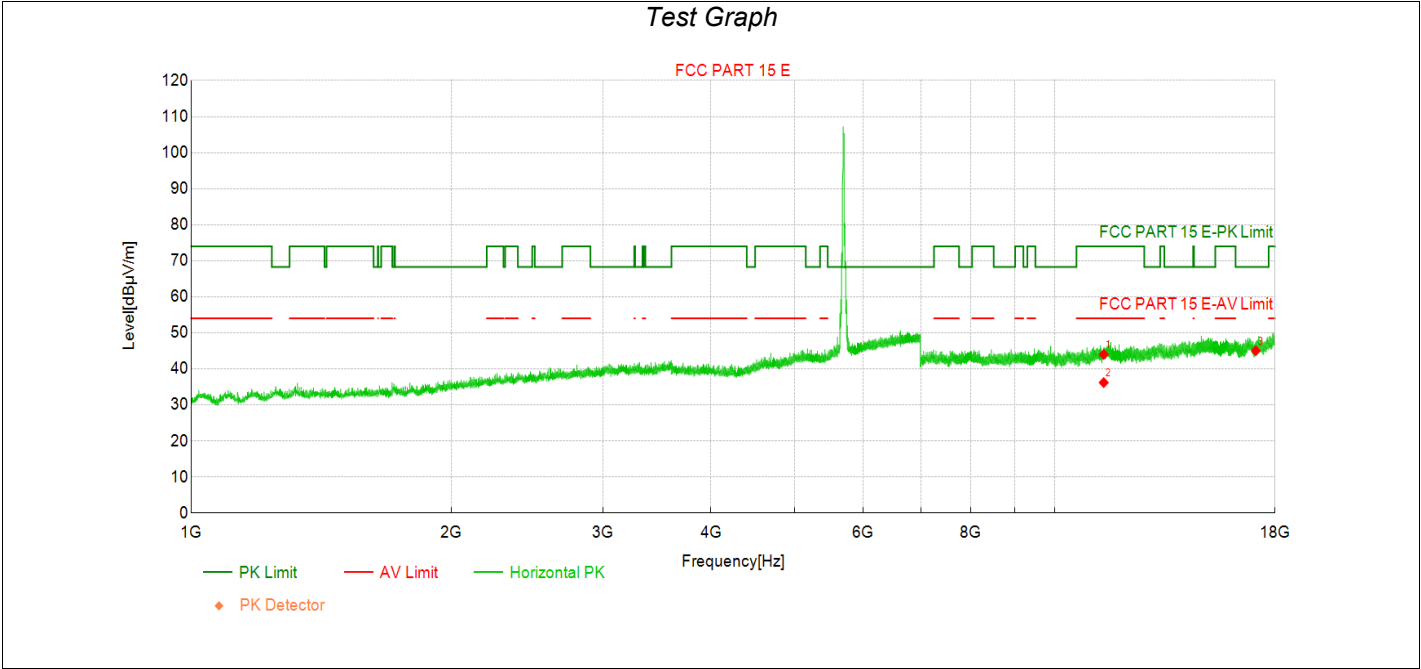
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11160.00	39.6	43.37	3.750	74.00	30.63	PK	Horizo	PASS
2	11160.00	30.8	34.58	3.750	54.00	19.42	AV	Horizo	PASS
3	16740.00	37.6	47.53	9.950	68.30	20.77	PK	Horizo	PASS

Transmit at 5580MHz by 802.11ac(20MHz) with Ant MIMO



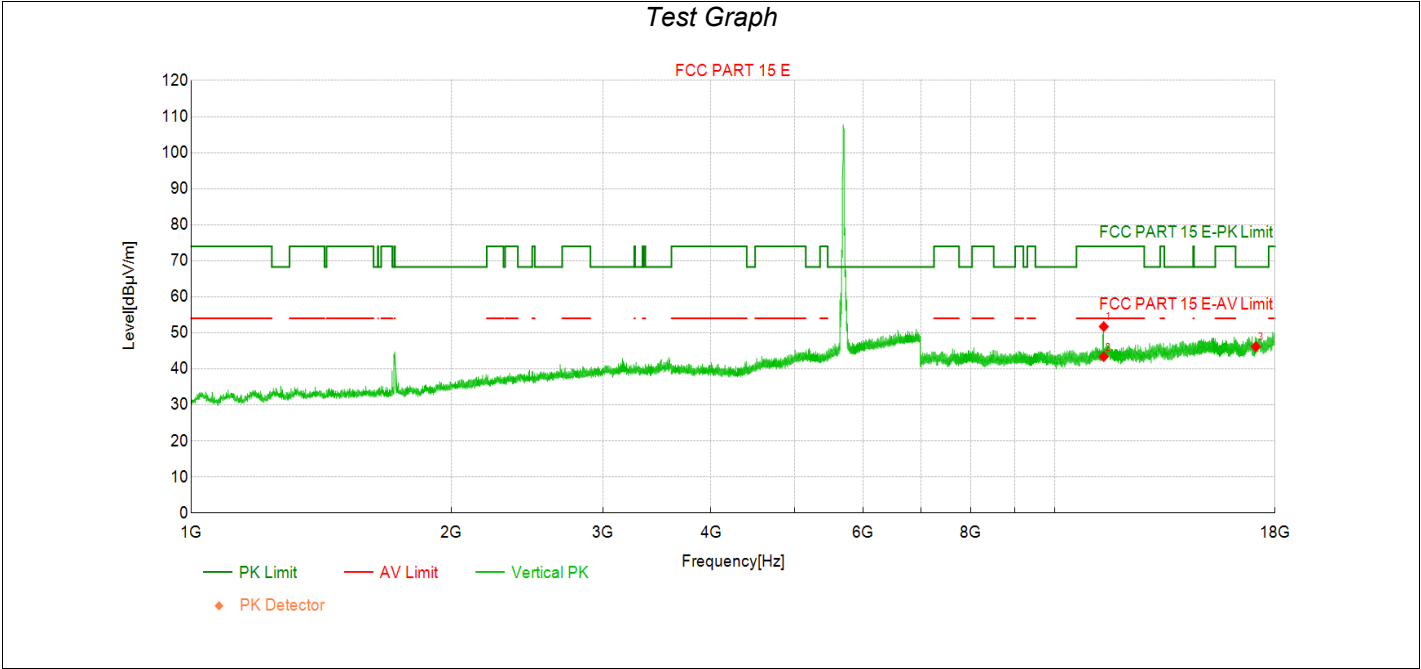
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11156.63	43.8	47.52	3.740	74.00	26.48	PK	Vertic	PASS
2	11158.46	34.4	38.17	3.750	54.00	15.83	AV	Vertic	PASS
3	16740.00	37.8	47.71	9.950	68.30	20.59	PK	Vertic	PASS

Transmit at 5700MHz by 802.11ac(20MHz) with Ant MIMO



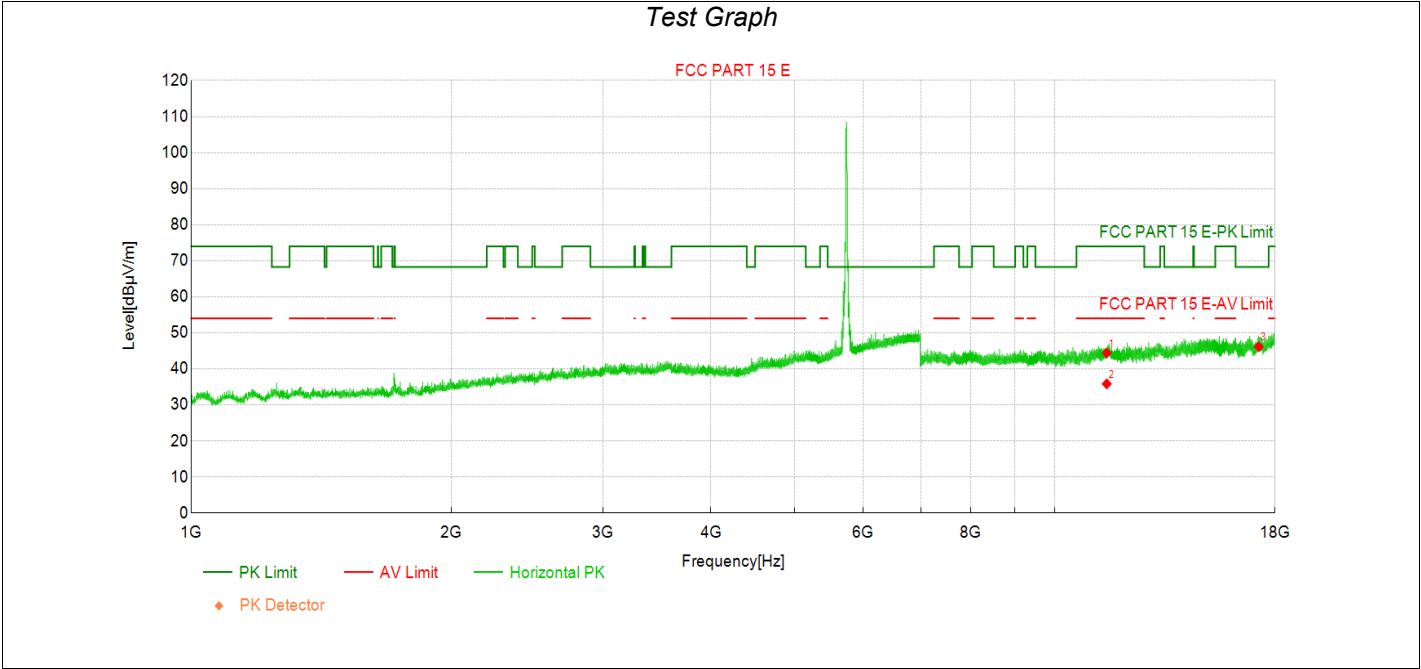
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11400.00	39.9	44.01	4.080	74.00	29.99	PK	Horizo	PASS
2	11400.00	32.1	36.20	4.080	54.00	17.80	AV	Horizo	PASS
3	17100.00	35.2	45.04	9.860	68.30	23.26	PK	Horizo	PASS

Transmit at 5700MHz by 802.11ac(20MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11400.00	47.7	51.74	4.080	74.00	22.26	PK	Vertic	PASS
2	11400.00	39.3	43.40	4.080	54.00	10.60	AV	Vertic	PASS
3	17100.00	36.3	46.18	9.860	68.30	22.12	PK	Vertic	PASS

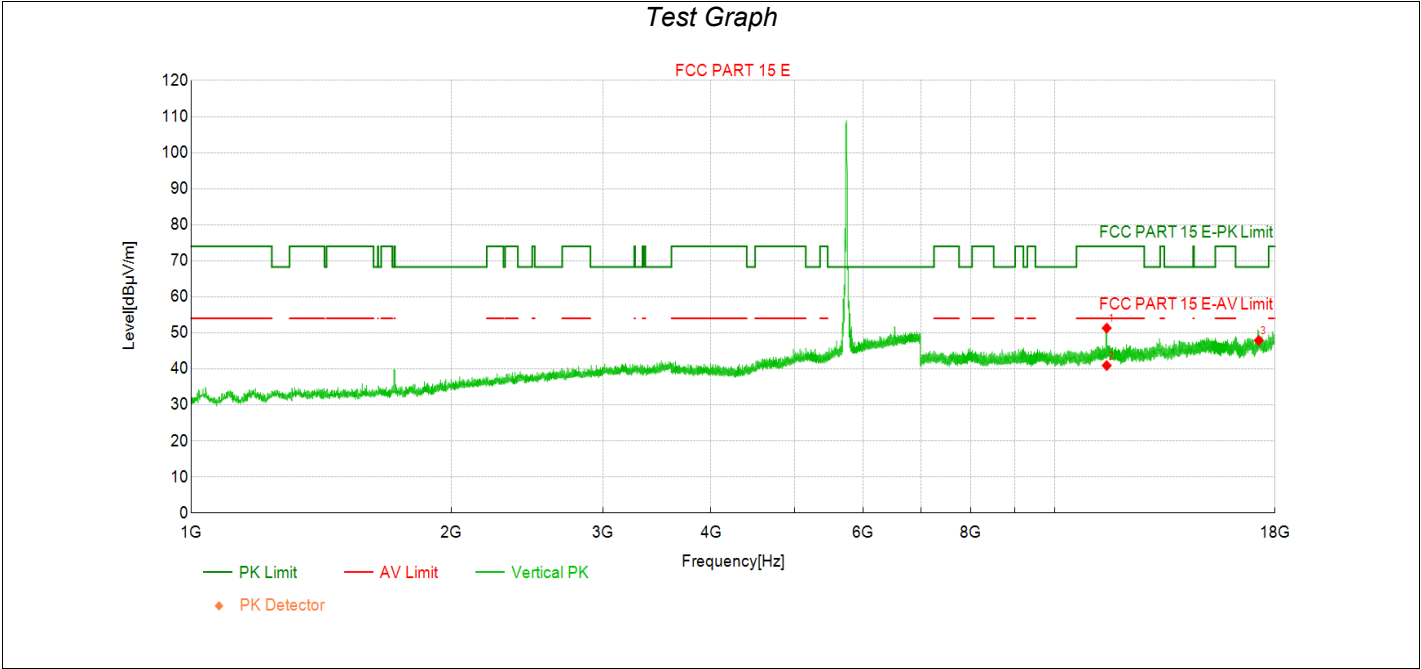
Transmit at 5745MHz by 802.11ac(20MHz) with Ant MIMO



Data List

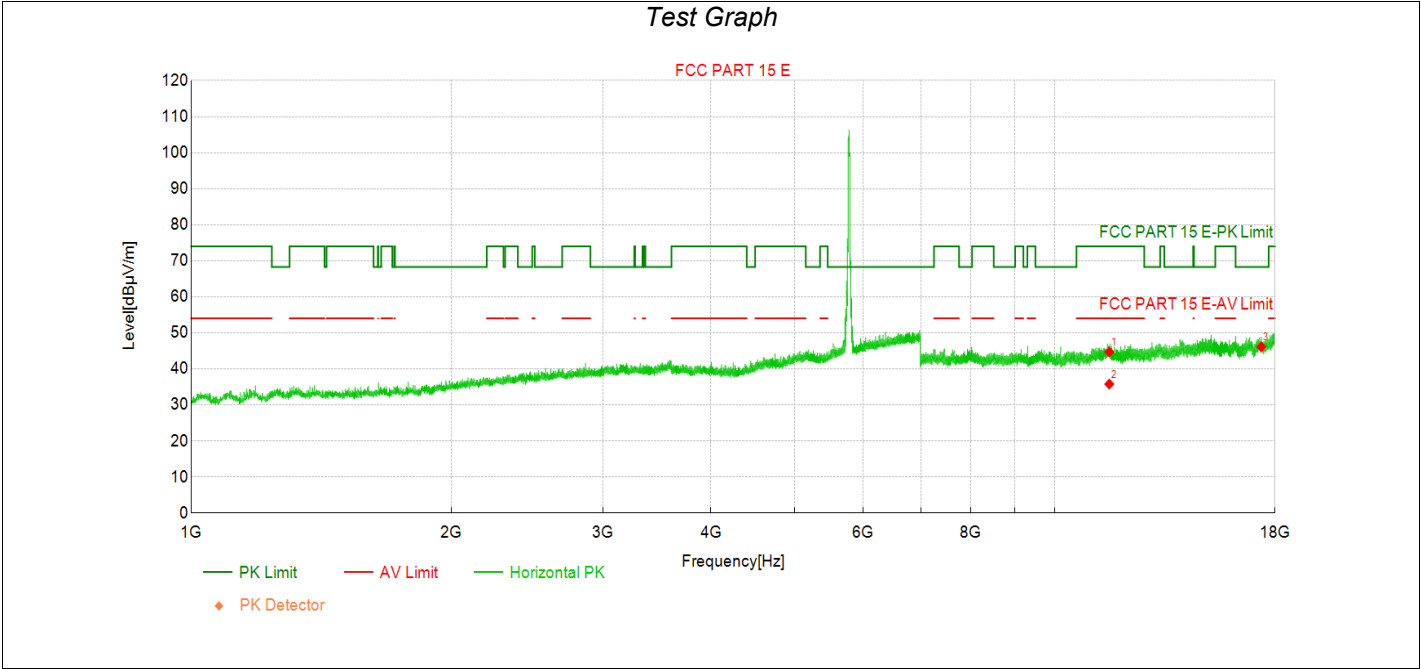
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	40.2	44.41	4.250	74.00	29.59	PK	Horizo	PASS
2	11490.00	31.6	35.85	4.250	54.00	18.15	AV	Horizo	PASS
3	17235.00	35.9	46.15	10.290	68.30	22.15	PK	Horizo	PASS

Transmit at 5745MHz by 802.11ac(20MHz) with Ant MIMO



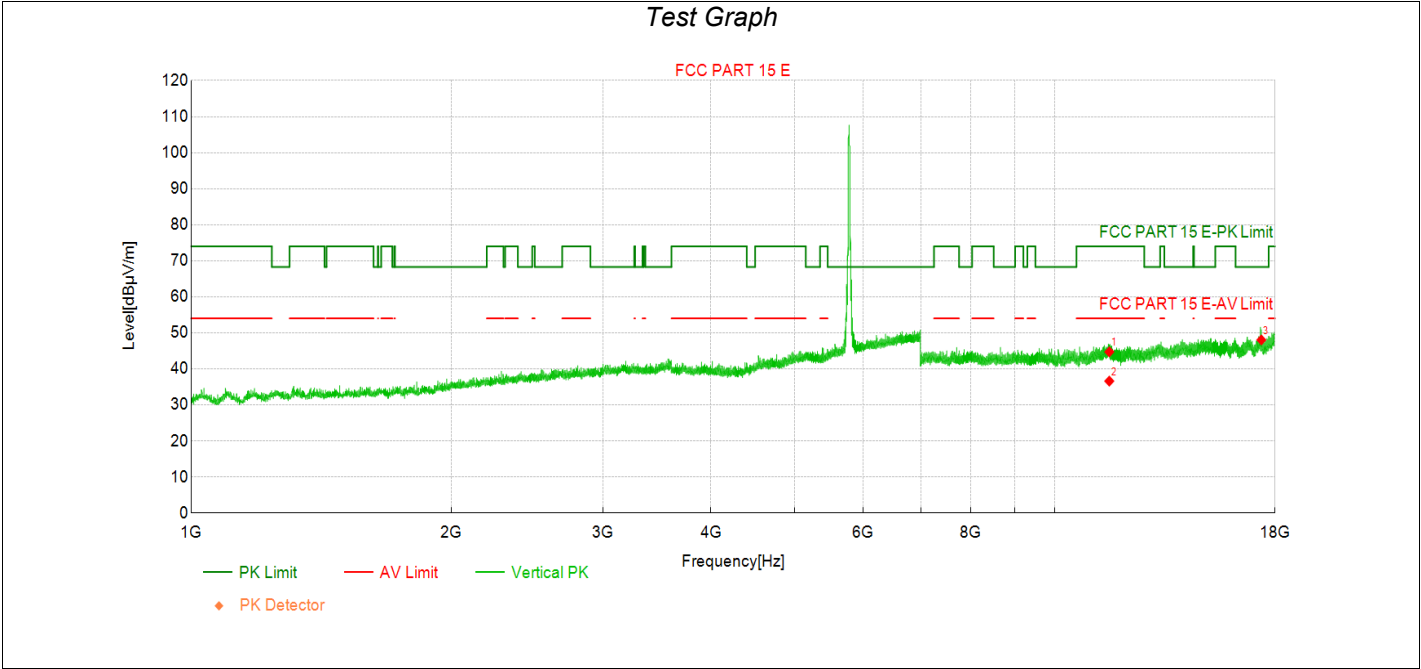
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	47.1	51.32	4.250	74.00	22.68	PK	Vertic	PASS
2	11490.00	36.7	40.92	4.250	54.00	13.08	AV	Vertic	PASS
3	17235.00	37.6	47.91	10.290	68.30	20.39	PK	Vertic	PASS

Transmit at 5785MHz by 802.11ac(20MHz) with Ant MIMO



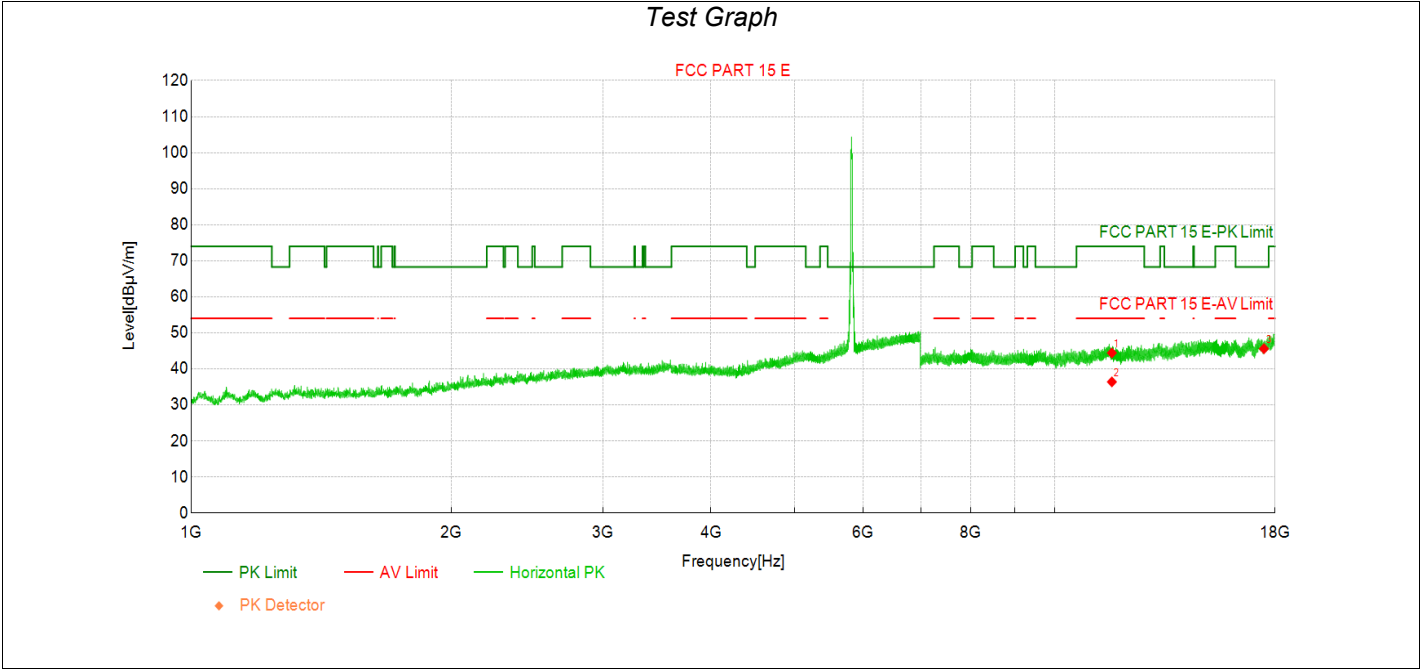
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	40.2	44.72	4.480	74.00	29.28	PK	Horizo	PASS
2	11570.00	31.3	35.78	4.480	54.00	18.22	AV	Horizo	PASS
3	17355.00	35.8	46.14	10.390	68.30	22.16	PK	Horizo	PASS

Transmit at 5785MHz by 802.11ac(20MHz) with Ant MIMO



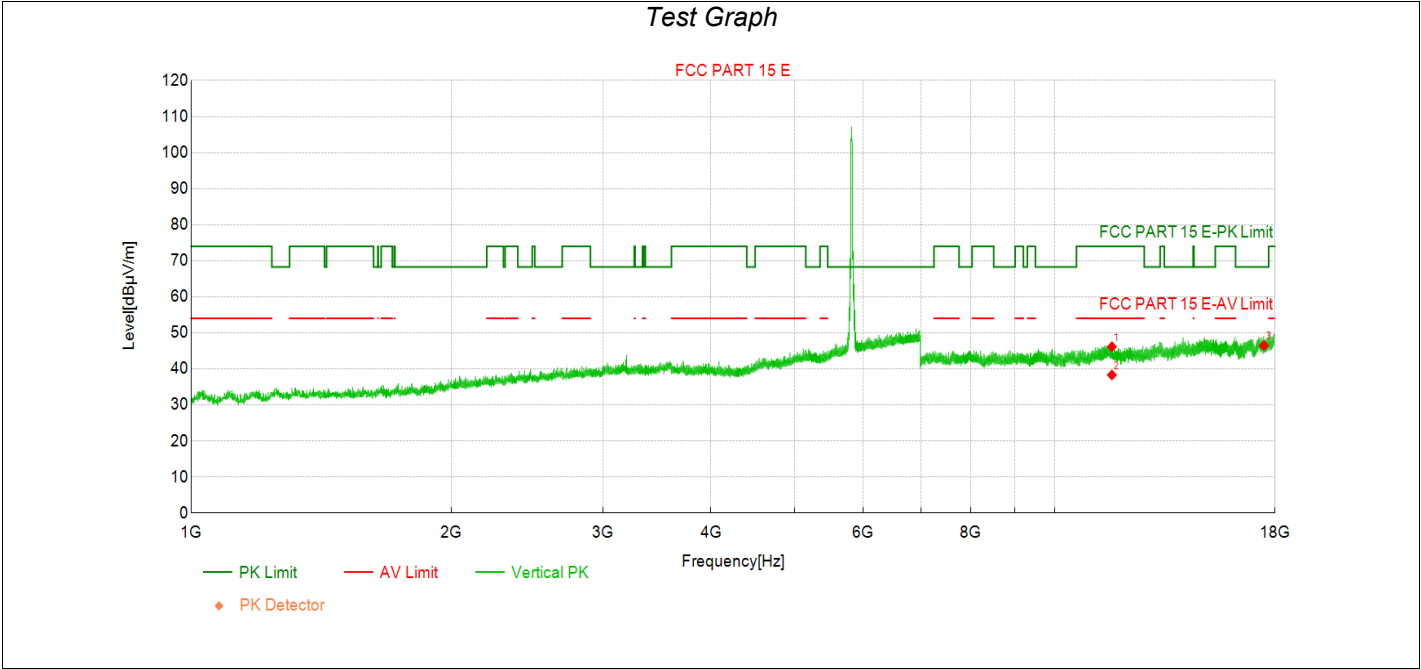
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	40.3	44.73	4.480	74.00	29.27	PK	Vertic	PASS
2	11570.00	32.1	36.61	4.480	54.00	17.39	AV	Vertic	PASS
3	17355.00	37.7	48.04	10.390	68.30	20.26	PK	Vertic	PASS

Transmit at 5825MHz by 802.11ac(20MHz) with Ant MIMO



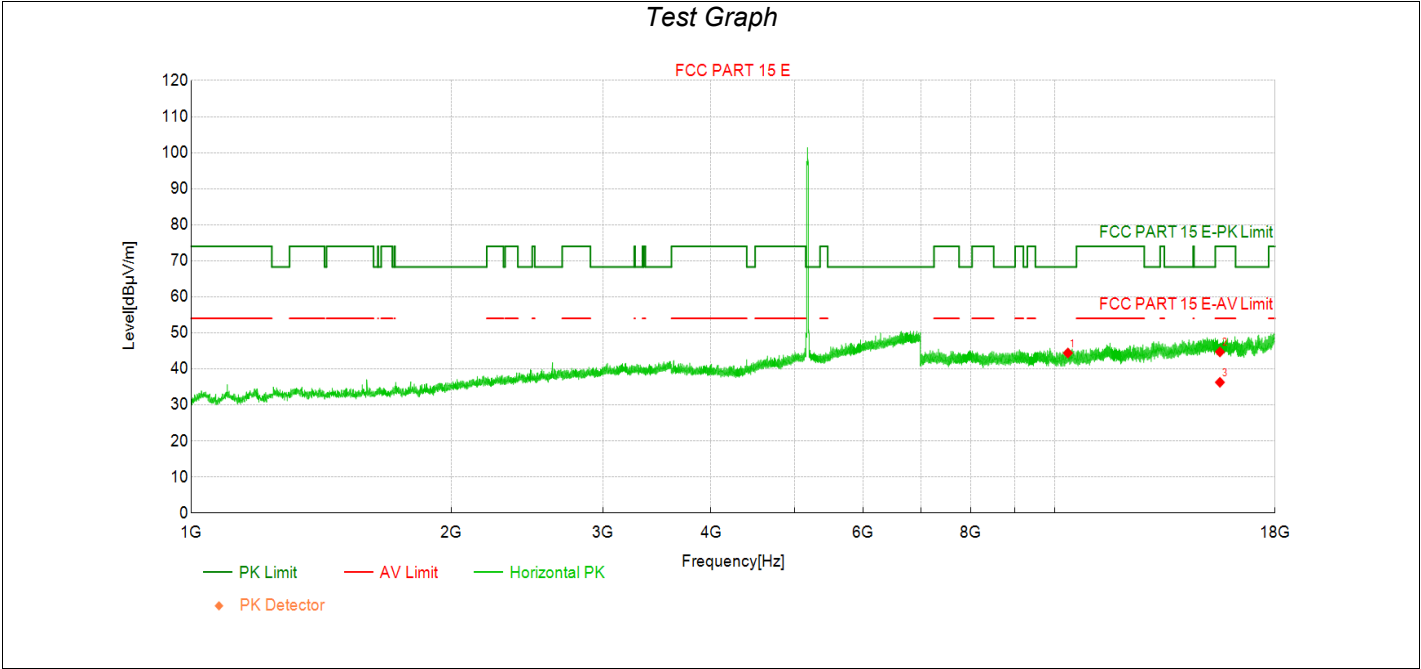
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	40.0	44.43	4.430	74.00	29.57	PK	Horizo	PASS
2	11650.00	32.0	36.39	4.430	54.00	17.61	AV	Horizo	PASS
3	17475.00	35.4	45.60	10.200	68.30	22.70	PK	Horizo	PASS

Transmit at 5825MHz by 802.11ac(20MHz) with Ant MIMO



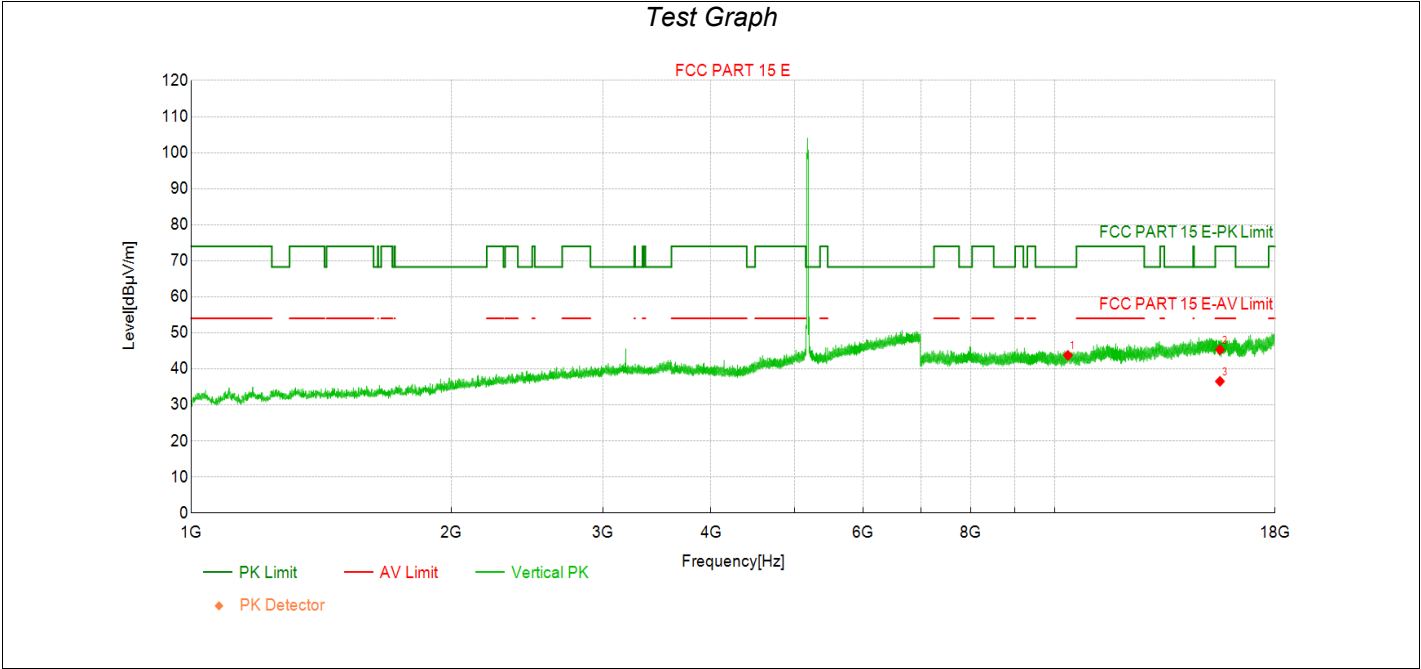
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	41.7	46.13	4.430	74.00	27.87	PK	Vertic	PASS
2	11650.00	33.9	38.31	4.430	54.00	15.69	AV	Vertic	PASS
3	17475.00	36.3	46.49	10.200	68.30	21.81	PK	Vertic	PASS

Transmit at 5180MHz by 802.11ax(20MHz) with Ant MIMO



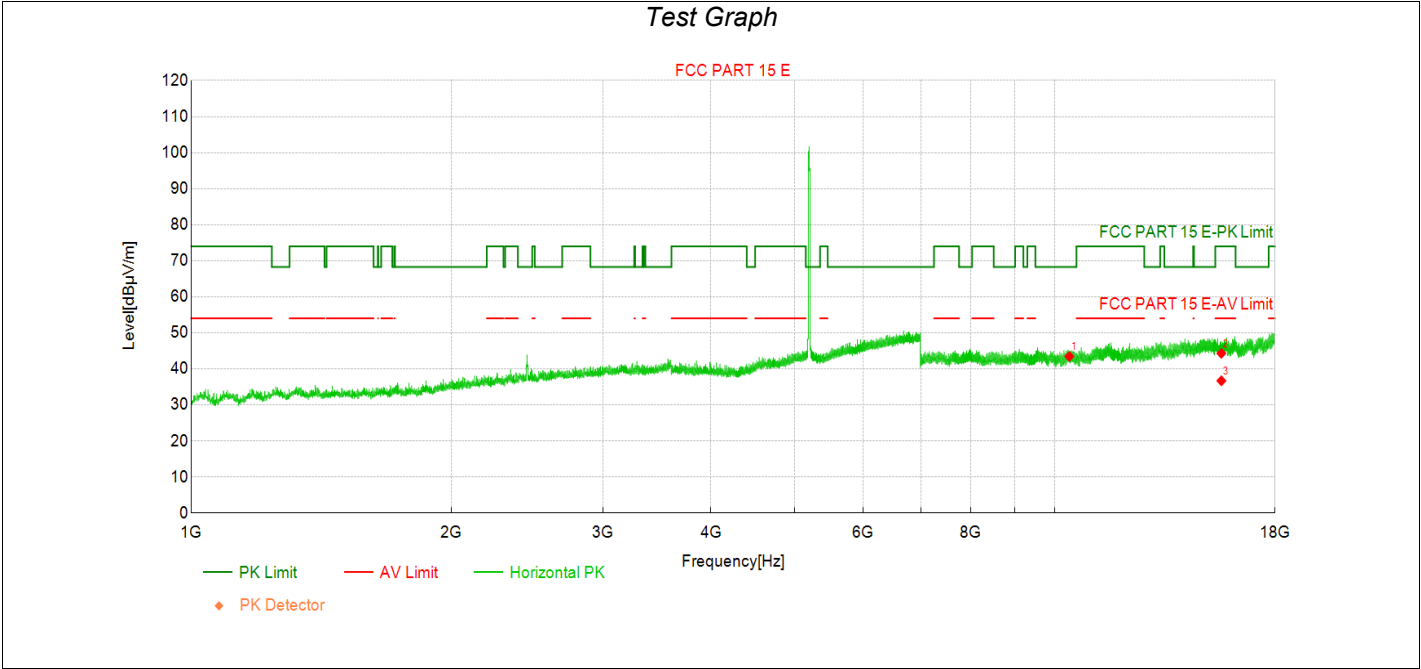
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	42.8	44.41	1.620	68.30	23.89	PK	Horizo	PASS
2	15540.00	35.6	44.71	9.100	74.00	29.29	PK	Horizo	PASS
3	15540.00	27.2	36.27	9.100	54.00	17.73	AV	Horizo	PASS

Transmit at 5180MHz by 802.11ax(20MHz) with Ant MIMO



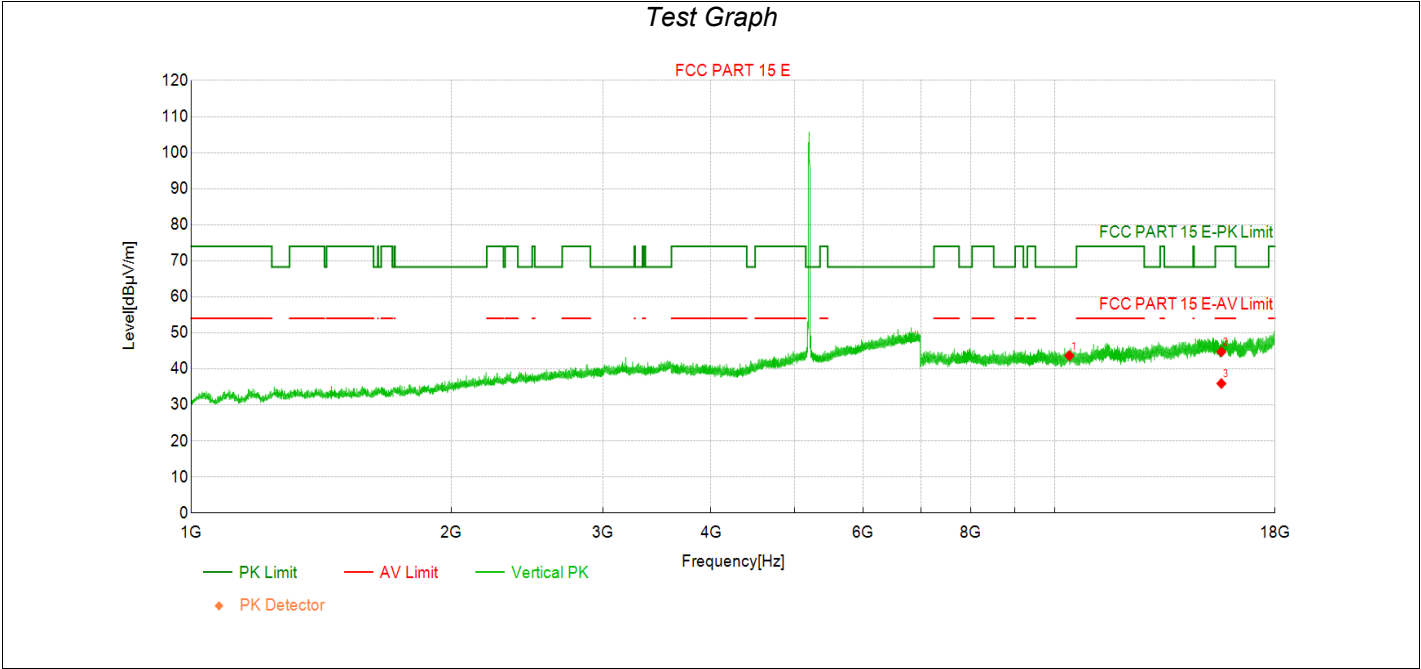
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10360.00	42.1	43.75	1.620	68.30	24.55	PK	Vertic	PASS
2	15540.00	36.3	45.35	9.100	74.00	28.65	PK	Vertic	PASS
3	15540.00	27.5	36.55	9.100	54.00	17.45	AV	Vertic	PASS

Transmit at 5200MHz by 802.11ax(20MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	41.9	43.47	1.550	68.30	24.83	PK	Horizo	PASS
2	15600.00	35.0	44.32	9.310	74.00	29.68	PK	Horizo	PASS
3	15600.00	27.4	36.69	9.310	54.00	17.31	AV	Horizo	PASS

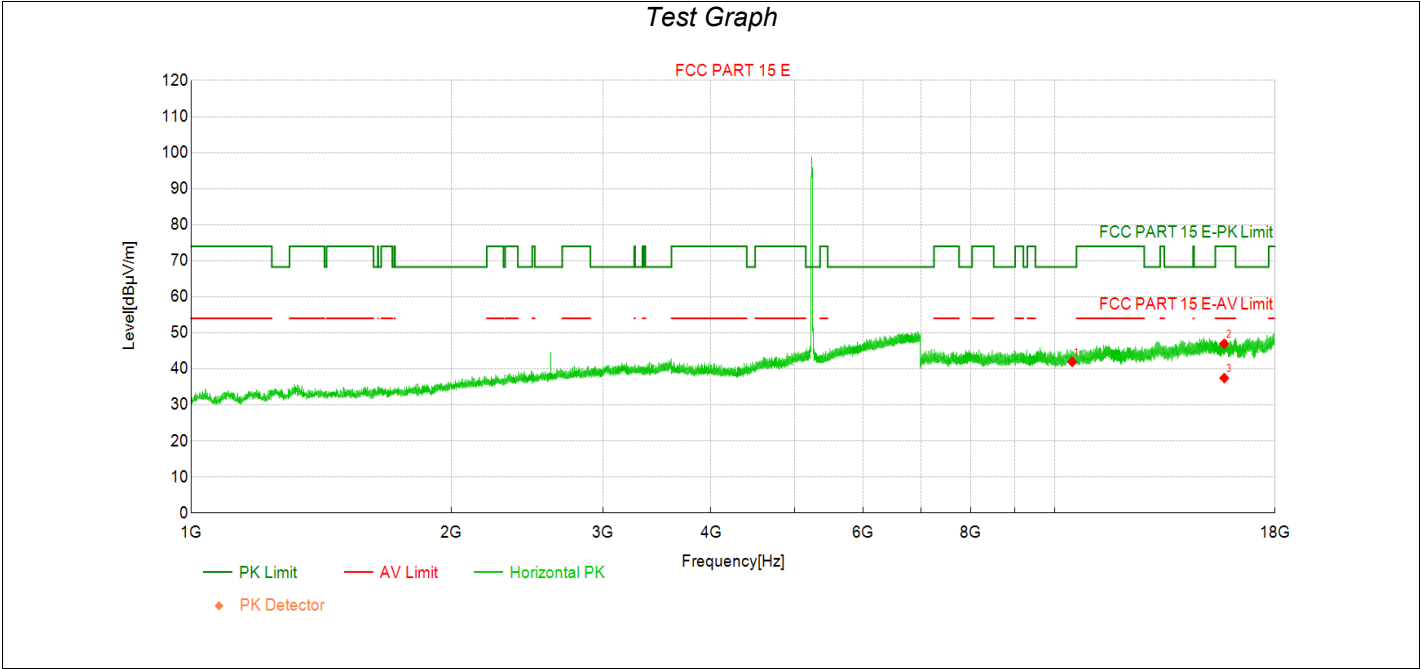
Transmit at 5200MHz by 802.11ax(20MHz) with Ant MIMO



Data List

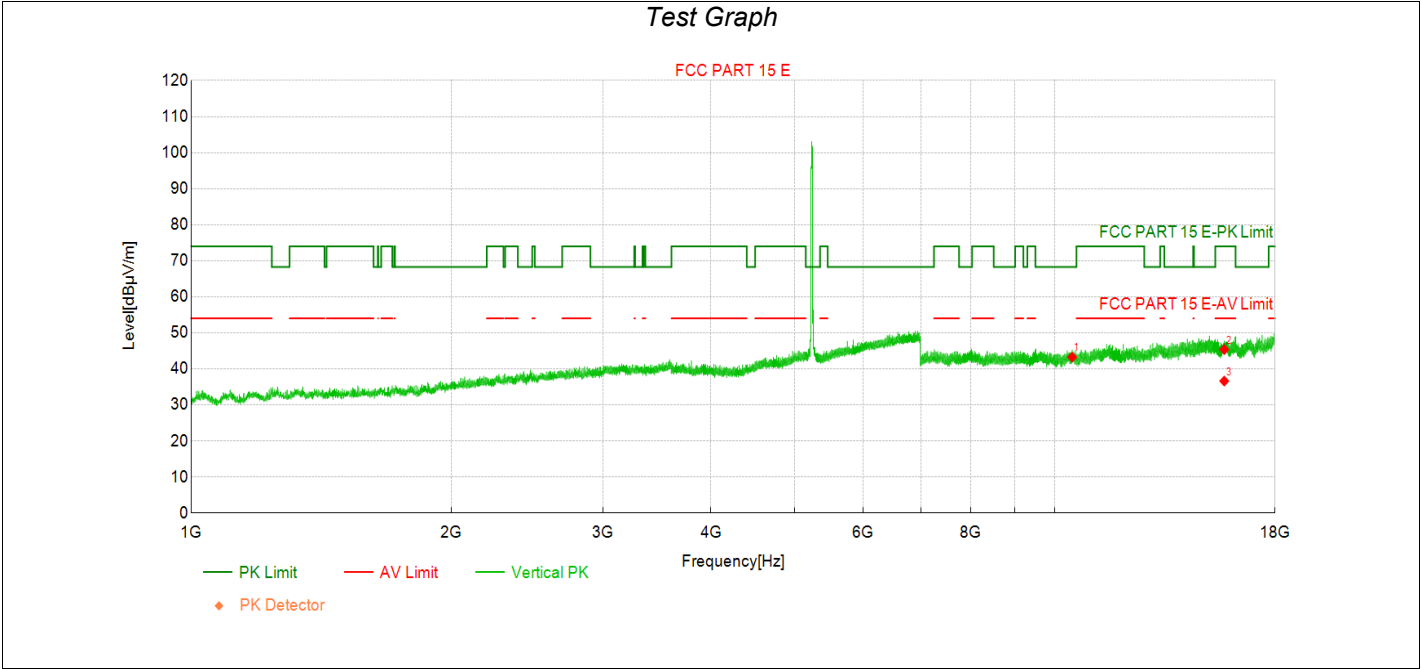
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10400.00	42.1	43.67	1.550	68.30	24.63	PK	Vertic	PASS
2	15600.00	35.4	44.75	9.310	74.00	29.25	PK	Vertic	PASS
3	15600.00	26.6	35.93	9.310	54.00	18.07	AV	Vertic	PASS

Transmit at 5240MHz by 802.11ax(20MHz) with Ant MIMO



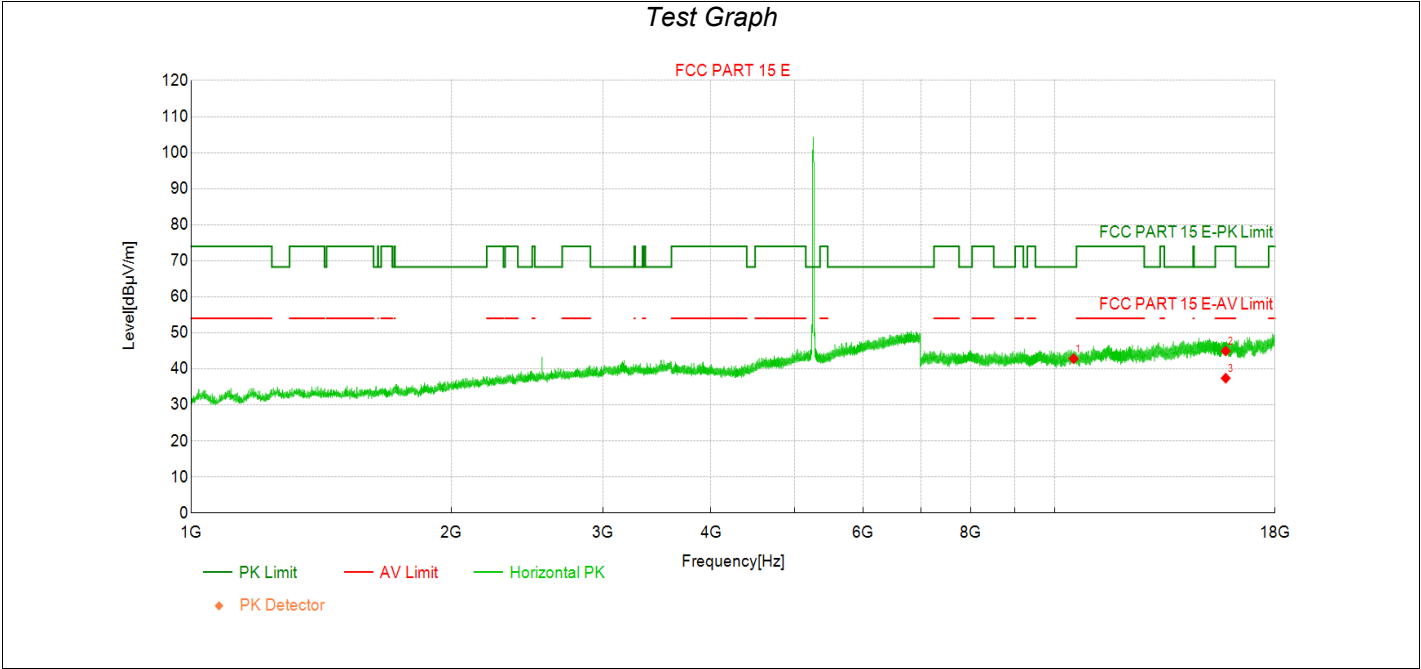
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	40.3	41.96	1.680	68.30	26.34	PK	Horizo	PASS
2	15720.00	37.5	46.98	9.500	74.00	27.02	PK	Horizo	PASS
3	15720.00	27.9	37.44	9.500	54.00	16.56	AV	Horizo	PASS

Transmit at 5240MHz by 802.11ax(20MHz) with Ant MIMO



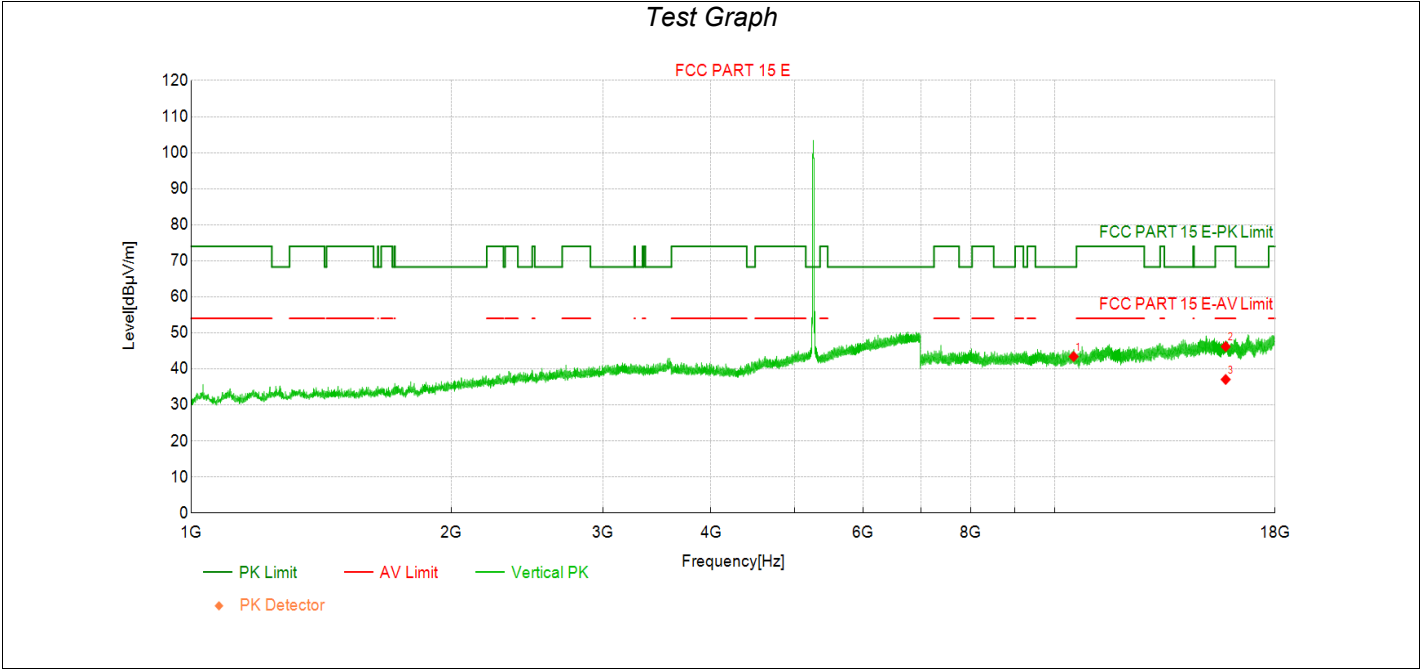
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10480.00	41.6	43.26	1.680	68.30	25.04	PK	Vertic	PASS
2	15720.00	35.9	45.37	9.500	74.00	28.63	PK	Vertic	PASS
3	15720.00	27.1	36.62	9.500	54.00	17.38	AV	Vertic	PASS

Transmit at 5260MHz by 802.11ax(20MHz) with Ant MIMO



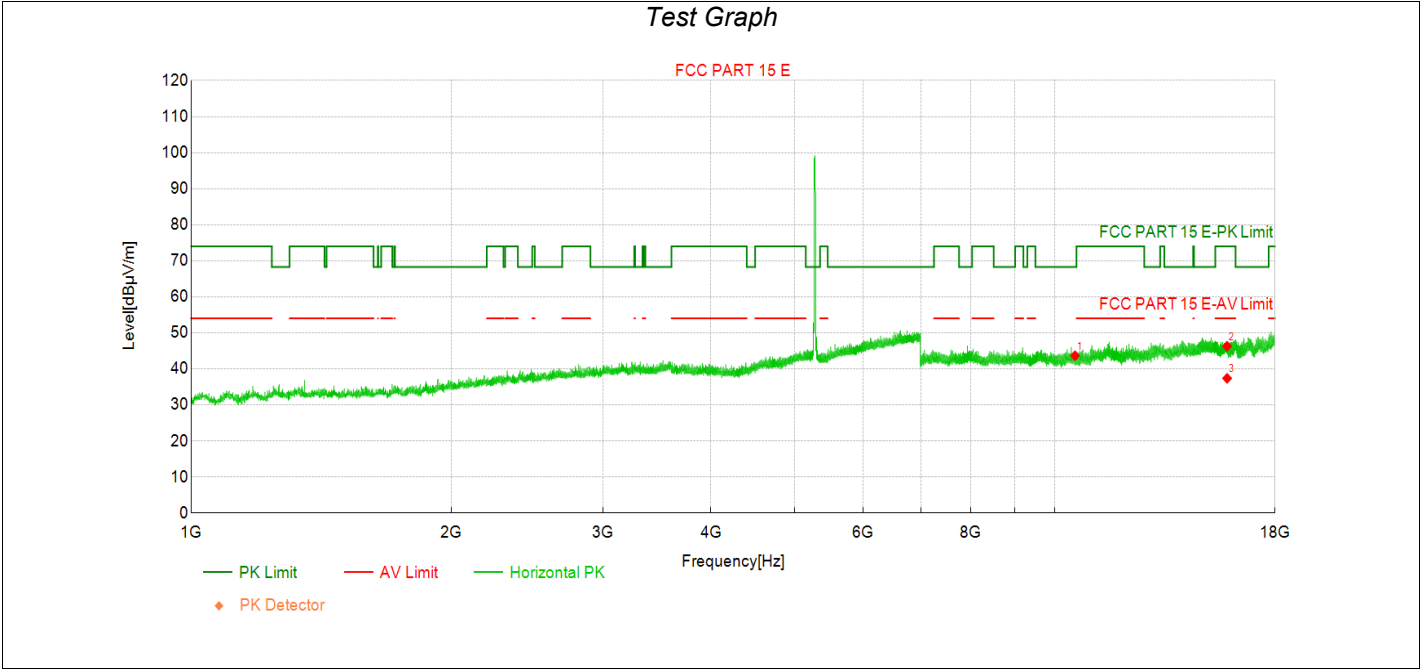
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10520.00	41.1	42.83	1.690	68.30	25.47	PK	Horizo	PASS
2	15780.00	35.6	44.96	9.330	74.00	29.04	PK	Horizo	PASS
3	15780.00	28.1	37.41	9.330	54.00	16.59	AV	Horizo	PASS

Transmit at 5260MHz by 802.11ax(20MHz) with Ant MIMO



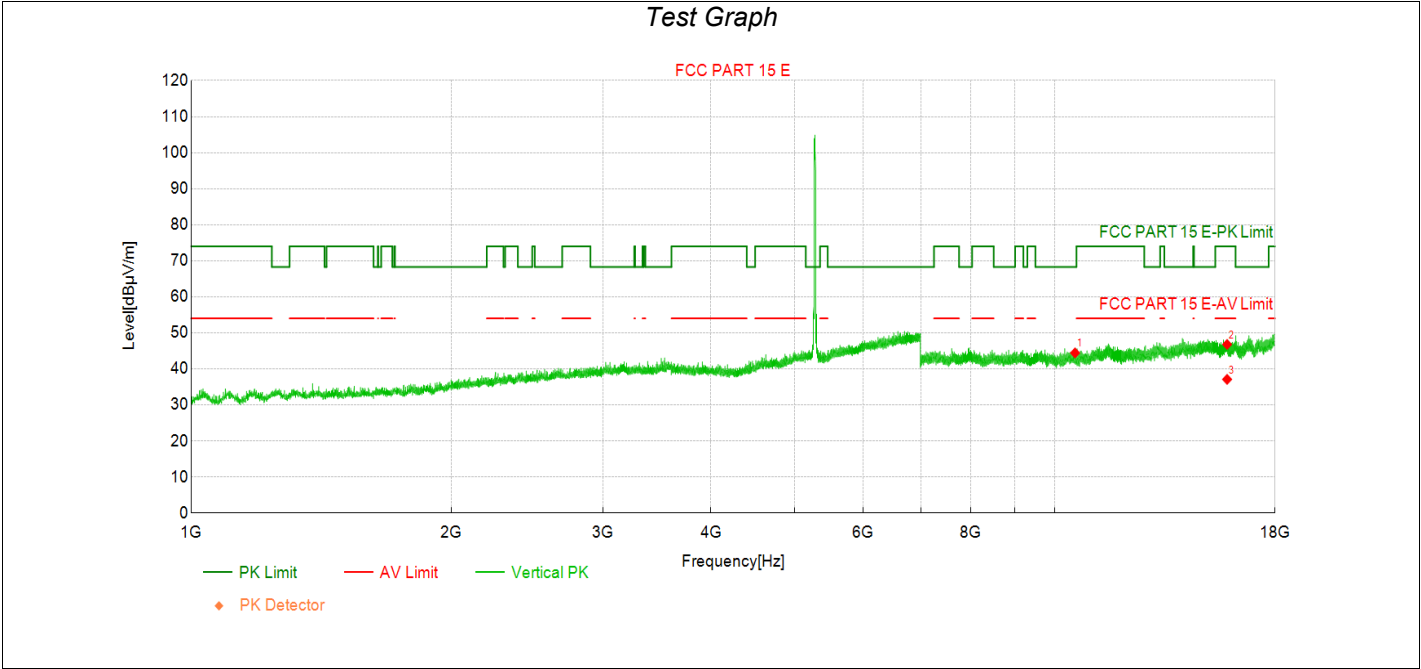
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10520.00	41.7	43.43	1.690	68.30	24.87	PK	Vertic	PASS
2	15780.00	36.9	46.20	9.330	74.00	27.80	PK	Vertic	PASS
3	15780.00	27.7	37.07	9.330	54.00	16.93	AV	Vertic	PASS

Transmit at 5280MHz by 802.11ax(20MHz) with Ant MIMO



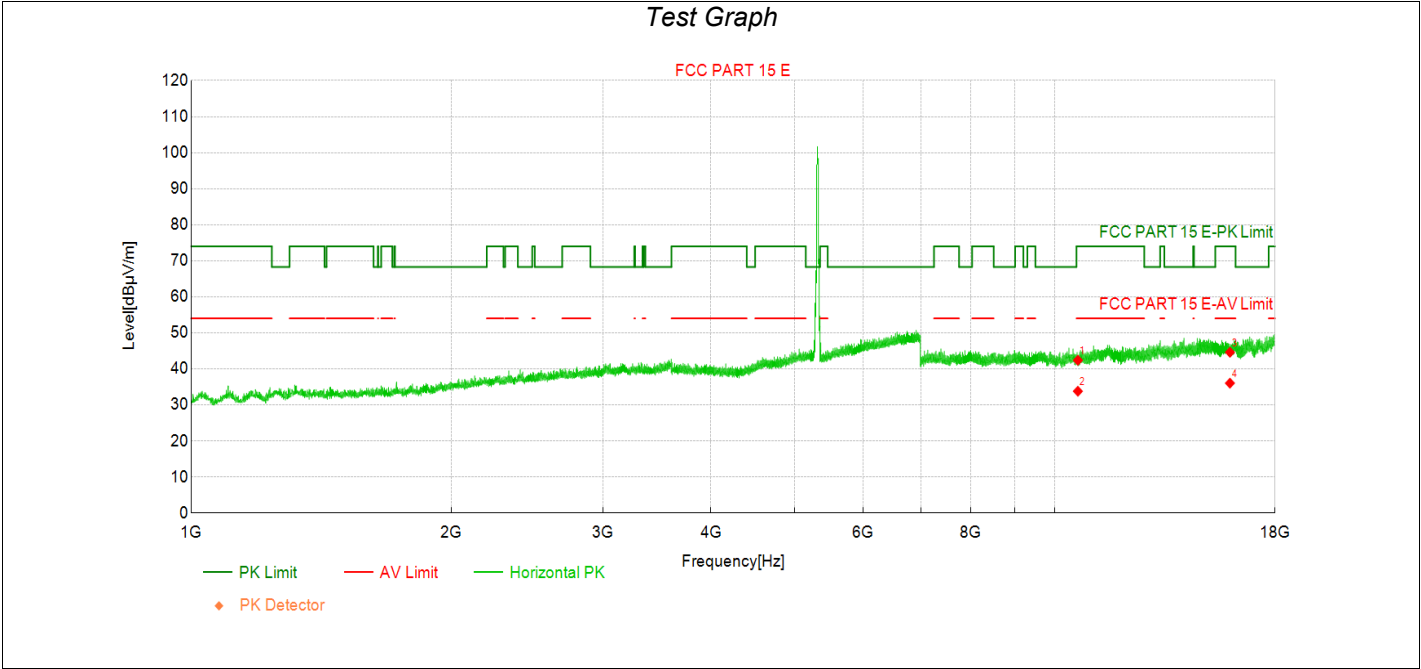
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10560.00	42.0	43.66	1.630	68.30	24.64	PK	Horizo	PASS
2	15840.00	37.0	46.29	9.280	74.00	27.71	PK	Horizo	PASS
3	15840.00	28.1	37.39	9.280	54.00	16.61	AV	Horizo	PASS

Transmit at 5280MHz by 802.11ax(20MHz) with Ant MIMO



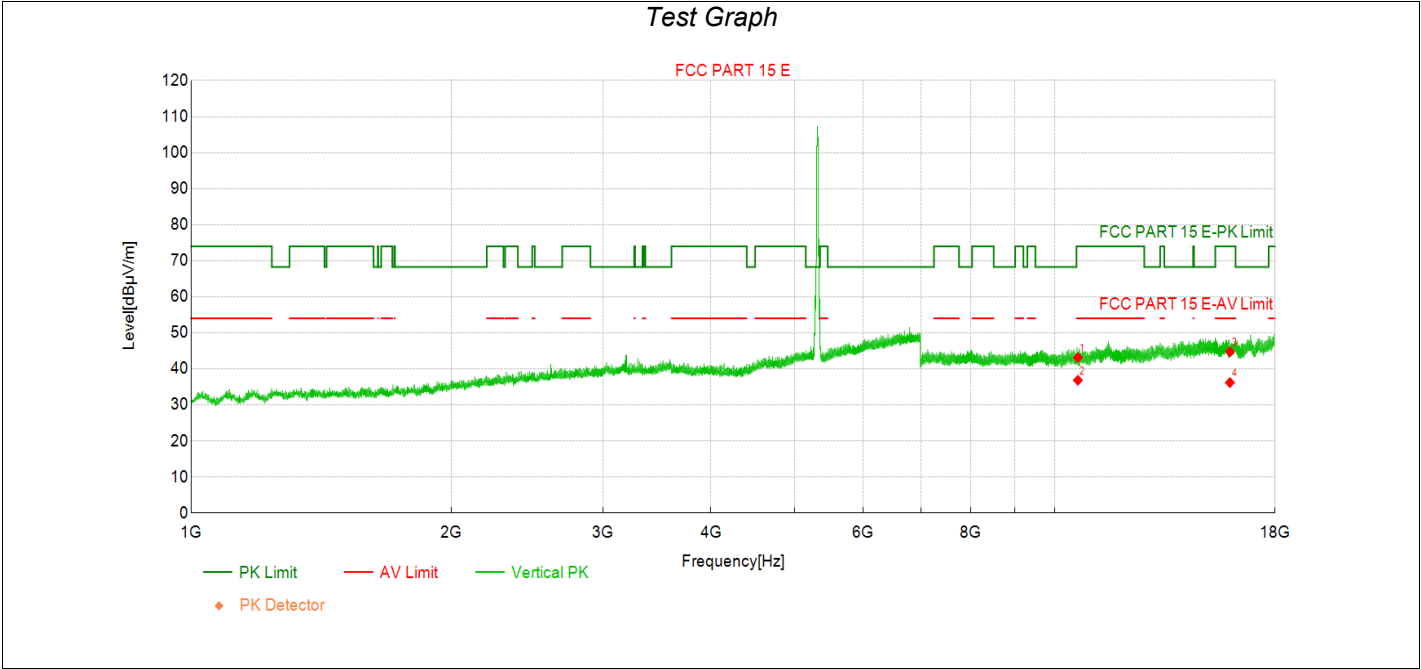
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10560.00	42.8	44.44	1.630	68.30	23.86	PK	Vertic	PASS
2	15840.00	37.5	46.79	9.280	74.00	27.21	PK	Vertic	PASS
3	15840.00	27.8	37.09	9.280	54.00	16.91	AV	Vertic	PASS

Transmit at 5320MHz by 802.11ax(20MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10640.00	40.6	42.39	1.800	74.00	31.61	PK	Horizo	PASS
2	10640.00	32.0	33.80	1.800	54.00	20.20	AV	Horizo	PASS
3	15960.00	35.0	44.61	9.590	74.00	29.39	PK	Horizo	PASS
4	15960.00	26.5	36.04	9.590	54.00	17.96	AV	Horizo	PASS

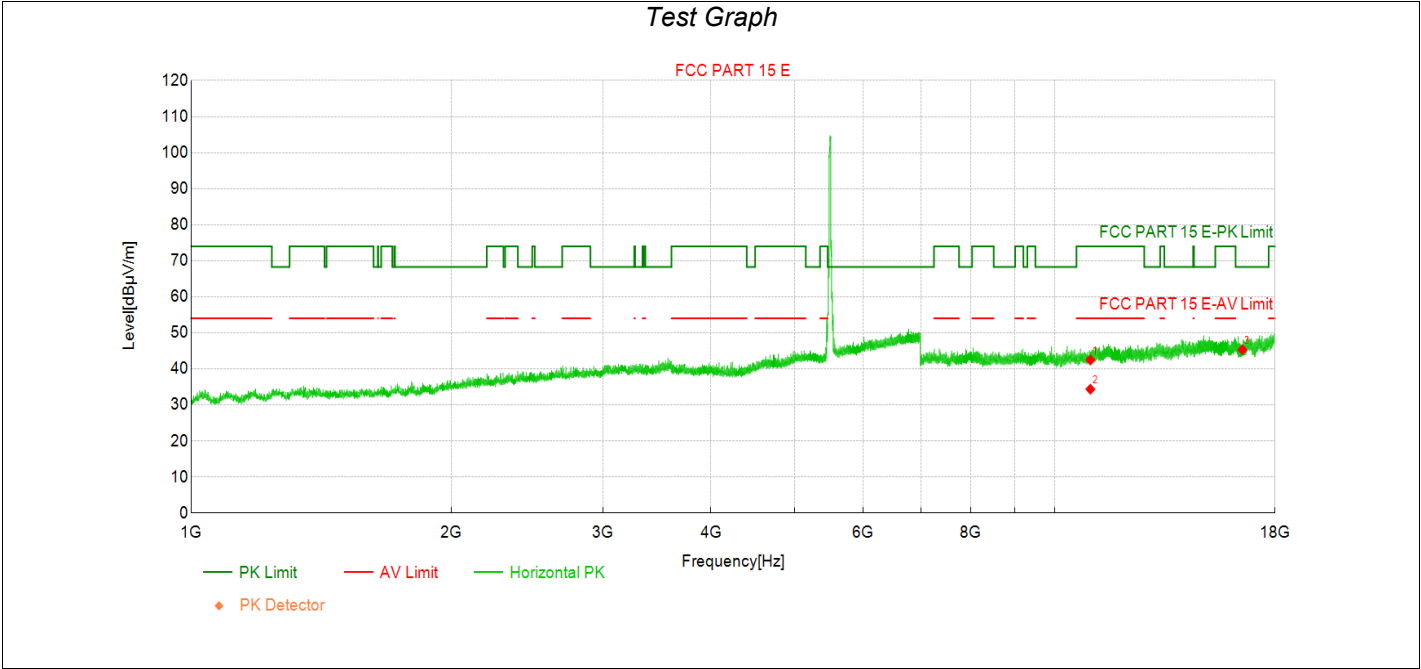
Transmit at 5320MHz by 802.11ax(20MHz) with Ant MIMO



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10640.00	41.4	43.16	1.800	74.00	30.84	PK	Vertic	PASS
2	10640.00	35.1	36.86	1.800	54.00	17.14	AV	Vertic	PASS
3	15960.00	35.2	44.76	9.590	74.00	29.24	PK	Vertic	PASS
4	15960.00	26.6	36.20	9.590	54.00	17.80	AV	Vertic	PASS

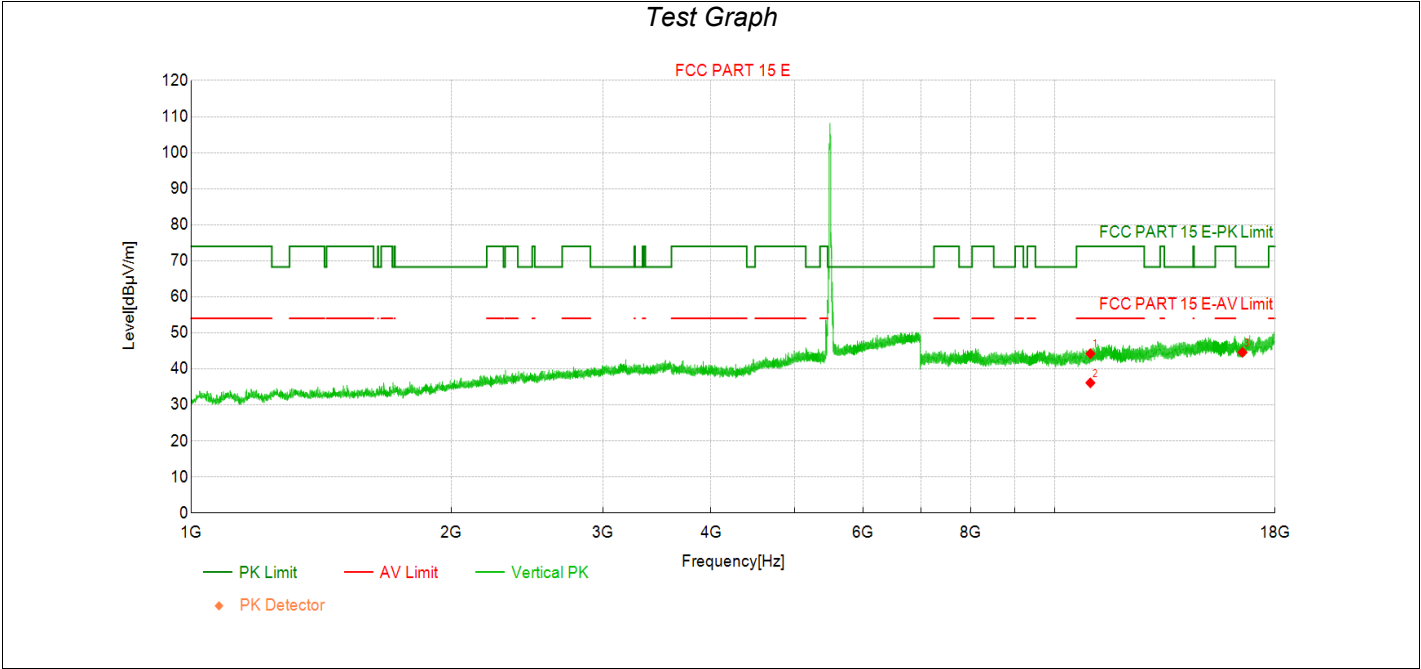
Transmit at 5500MHz by 802.11ax(20MHz) with Ant MIMO



Data List

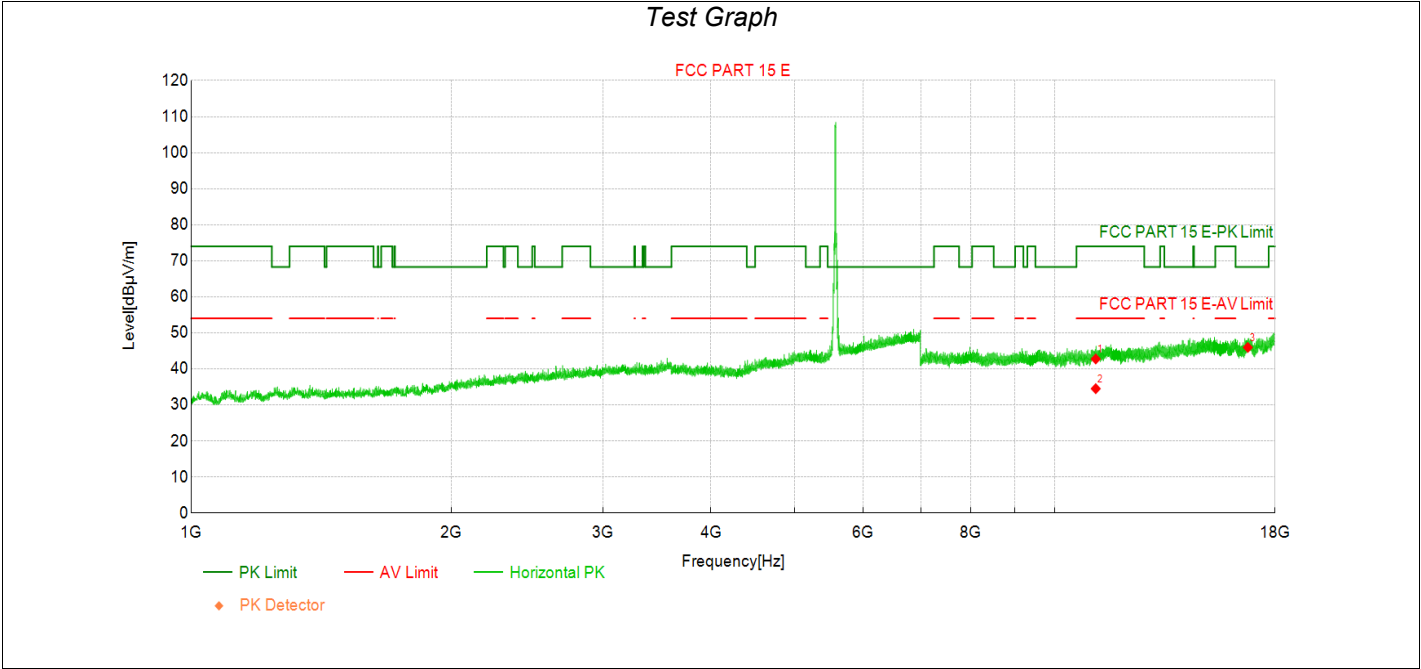
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11000.00	40.4	42.46	2.020	74.00	31.54	PK	Horizo	PASS
2	11000.00	32.3	34.36	2.020	54.00	19.64	AV	Horizo	PASS
3	16500.00	35.9	45.32	9.470	68.30	22.98	PK	Horizo	PASS

Transmit at 5500MHz by 802.11ax(20MHz) with Ant MIMO



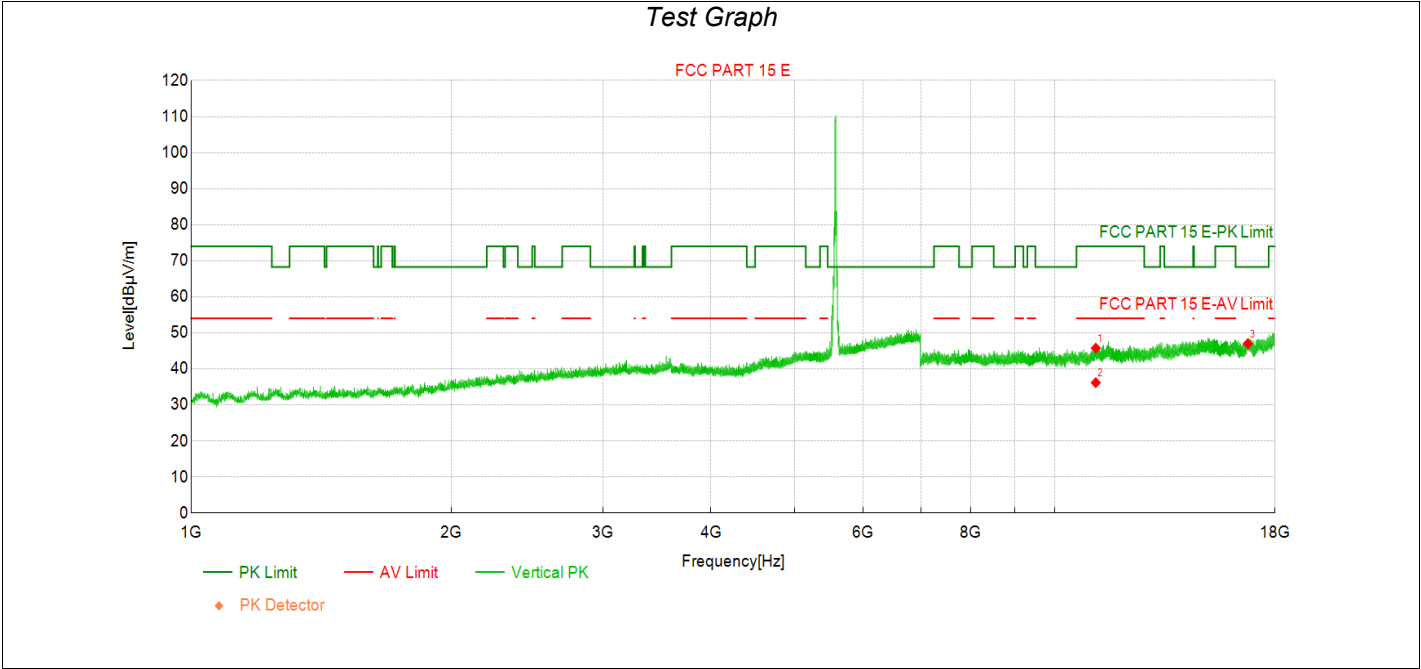
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11000.00	42.2	44.23	2.020	74.00	29.77	PK	Vertic	PASS
2	11000.00	34.1	36.13	2.020	54.00	17.87	AV	Vertic	PASS
3	16500.00	35.1	44.60	9.470	68.30	23.70	PK	Vertic	PASS

Transmit at 5580MHz by 802.11ax(20MHz) with Ant MIMO



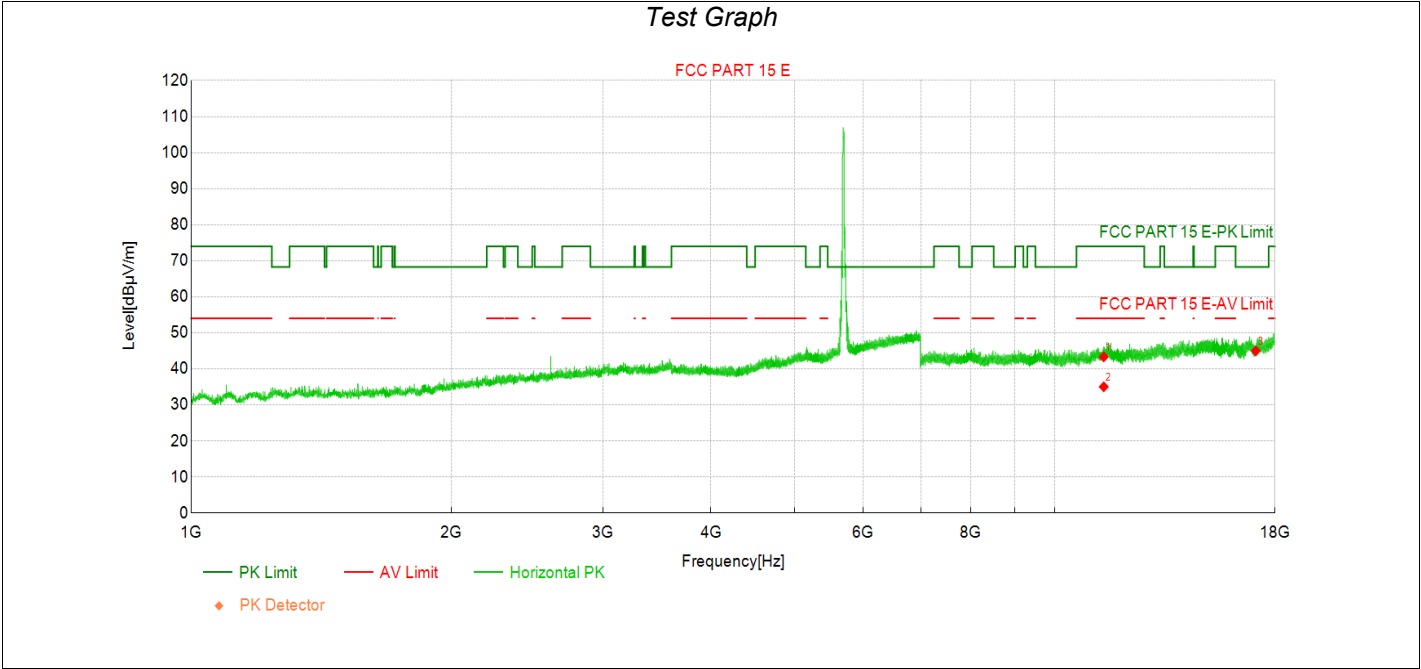
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11160.00	39.0	42.76	3.750	74.00	31.24	PK	Horizo	PASS
2	11160.00	30.8	34.51	3.750	54.00	19.49	AV	Horizo	PASS
3	16740.00	36.0	45.96	9.950	68.30	22.34	PK	Horizo	PASS

Transmit at 5580MHz by 802.11ax(20MHz) with Ant MIMO



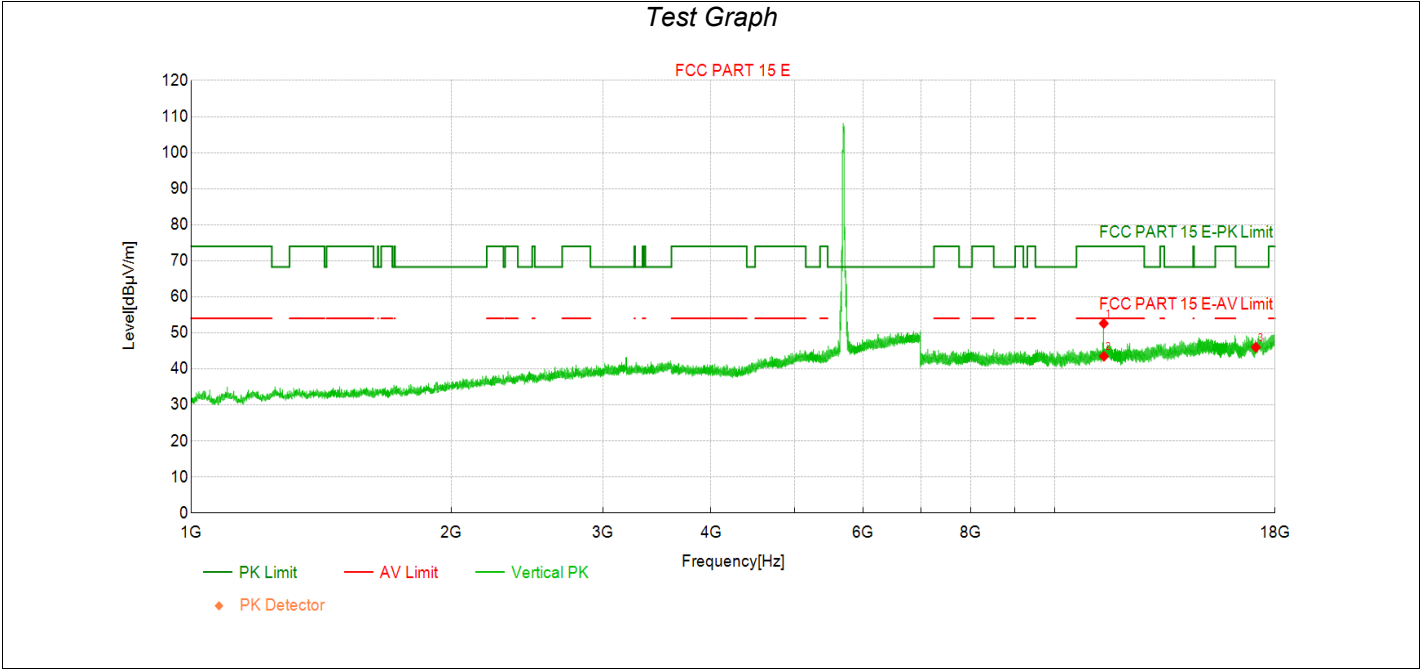
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11160.00	42.0	45.77	3.750	74.00	28.23	PK	Vertic	PASS
2	11160.00	32.4	36.18	3.750	54.00	17.82	AV	Vertic	PASS
3	16740.00	37.0	46.97	9.950	68.30	21.33	PK	Vertic	PASS

Transmit at 5700MHz by 802.11ax(20MHz) with Ant MIMO



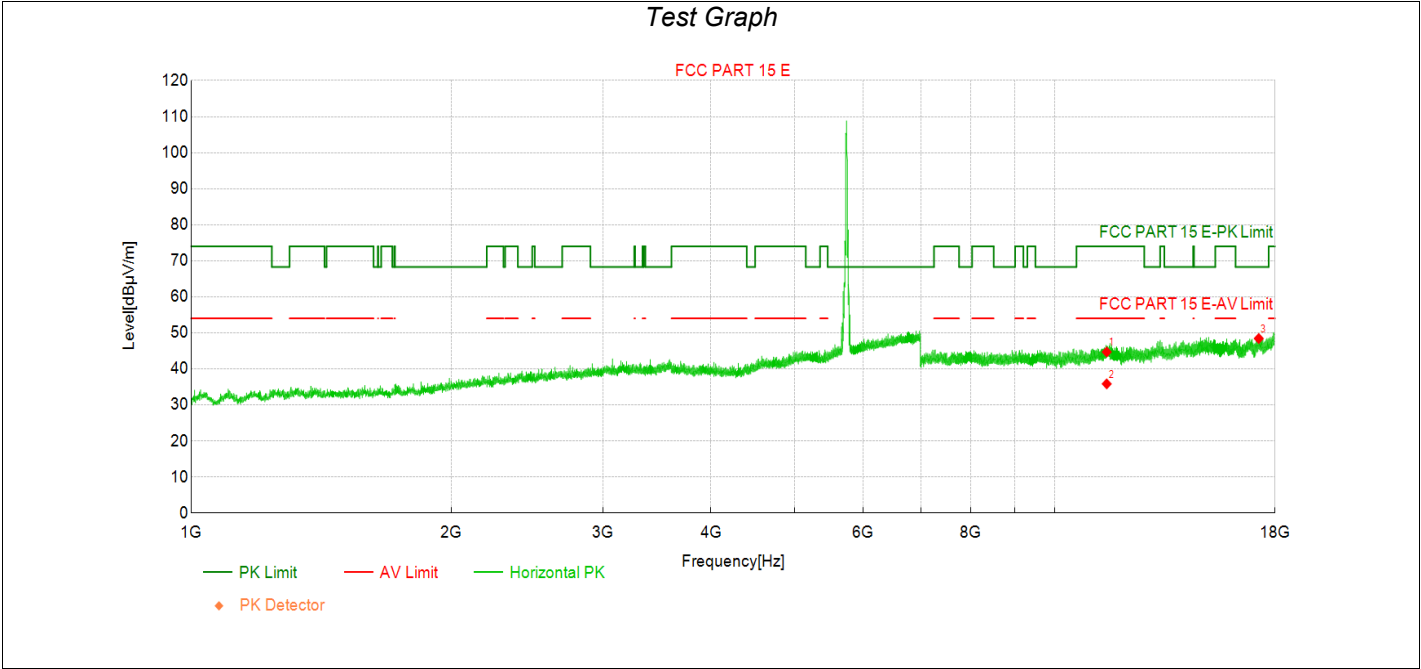
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11400.00	39.3	43.34	4.080	74.00	30.66	PK	Horizo	PASS
2	11400.00	31.0	35.03	4.080	54.00	18.97	AV	Horizo	PASS
3	17100.00	35.1	44.99	9.860	68.30	23.31	PK	Horizo	PASS

Transmit at 5700MHz by 802.11ax(20MHz) with Ant MIMO



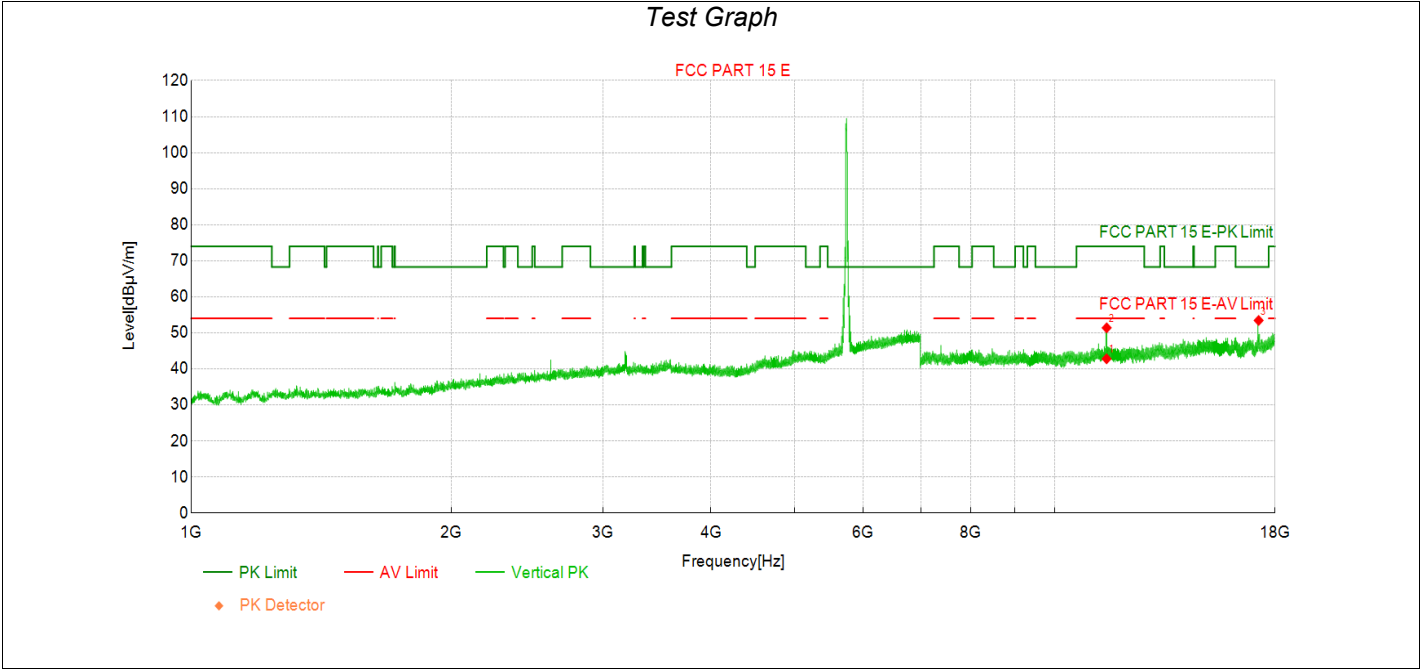
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11400.92	48.5	52.60	4.080	74.00	21.40	PK	Vertic	PASS
2	11404.58	39.4	43.50	4.090	54.00	10.50	AV	Vertic	PASS
3	17100.00	36.1	46.00	9.860	68.30	22.30	PK	Vertic	PASS

Transmit at 5745MHz by 802.11ax(20MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11490.00	40.5	44.70	4.250	74.00	29.30	PK	Horizo	PASS
2	11490.00	31.6	35.84	4.250	54.00	18.16	AV	Horizo	PASS
3	17235.00	38.1	48.43	10.290	68.30	19.87	PK	Horizo	PASS

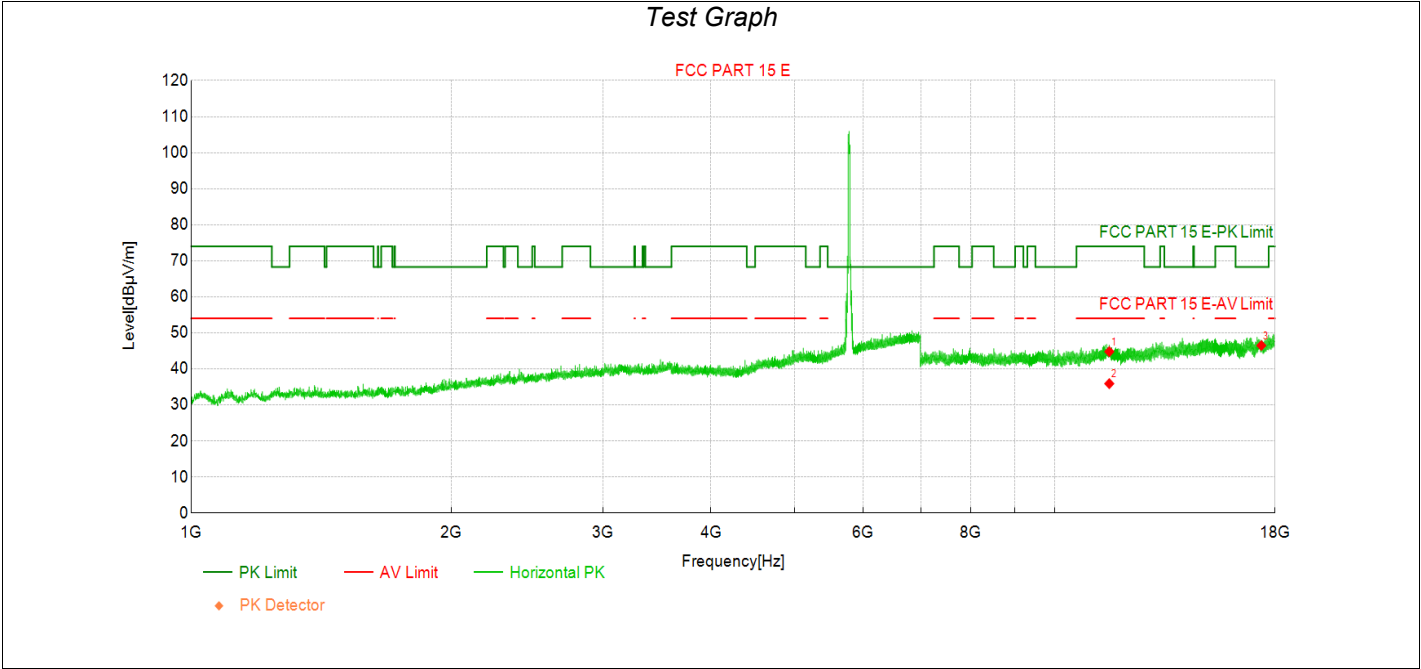
Transmit at 5745MHz by 802.11ax(20MHz) with Ant MIMO



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11485.71	38.6	42.80	4.240	54.00	11.20	AV	Vertic	PASS
2	11488.92	47.2	51.40	4.250	74.00	22.60	PK	Vertic	PASS
3	17230.00	43.1	53.44	10.300	68.30	14.86	PK	Vertic	PASS

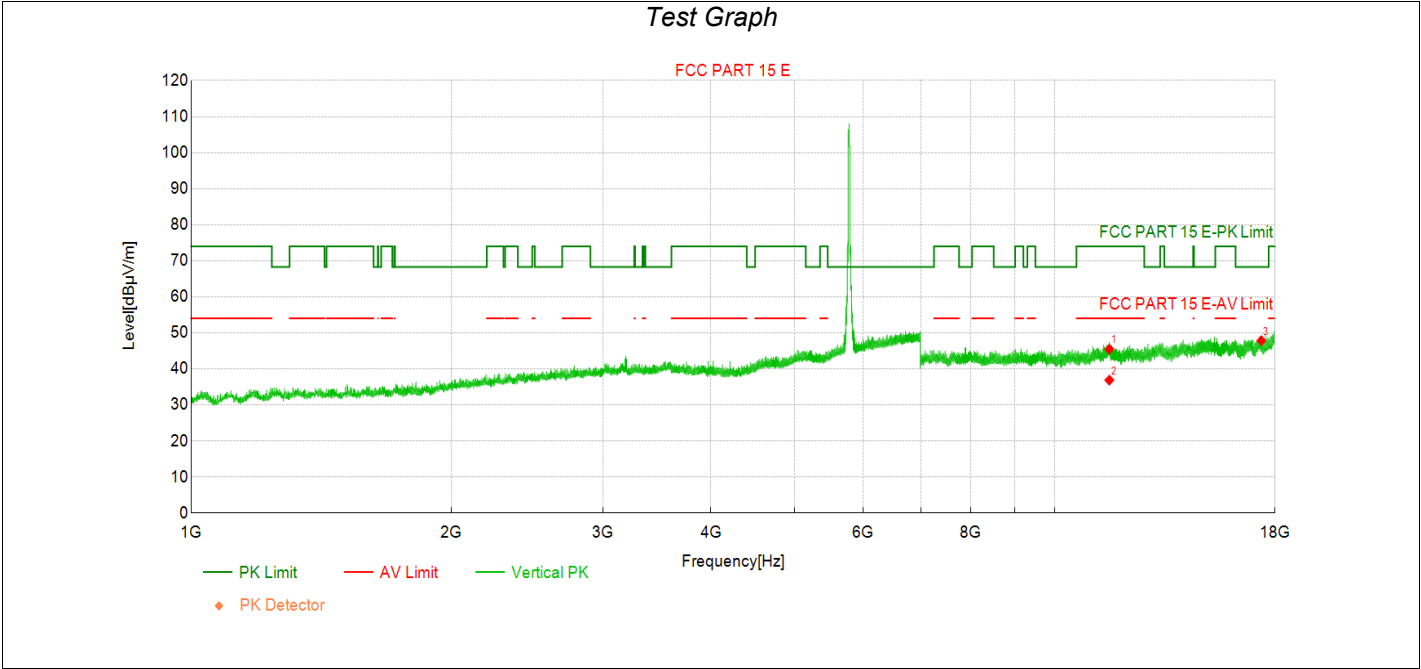
Transmit at 5785MHz by 802.11ax(20MHz) with Ant MIMO



Data List

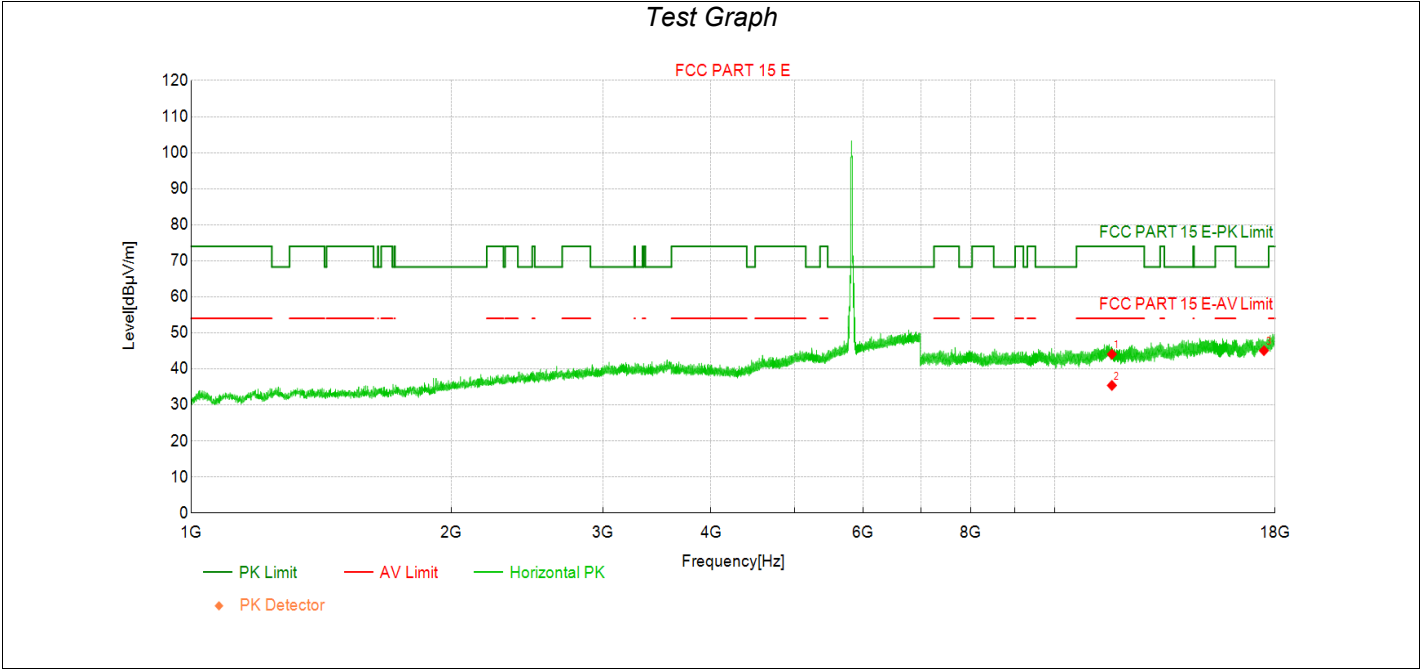
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	40.3	44.80	4.480	74.00	29.20	PK	Horizo	PASS
2	11570.00	31.4	35.91	4.480	54.00	18.09	AV	Horizo	PASS
3	17355.00	36.1	46.49	10.390	68.30	21.81	PK	Horizo	PASS

Transmit at 5785MHz by 802.11ax(20MHz) with Ant MIMO

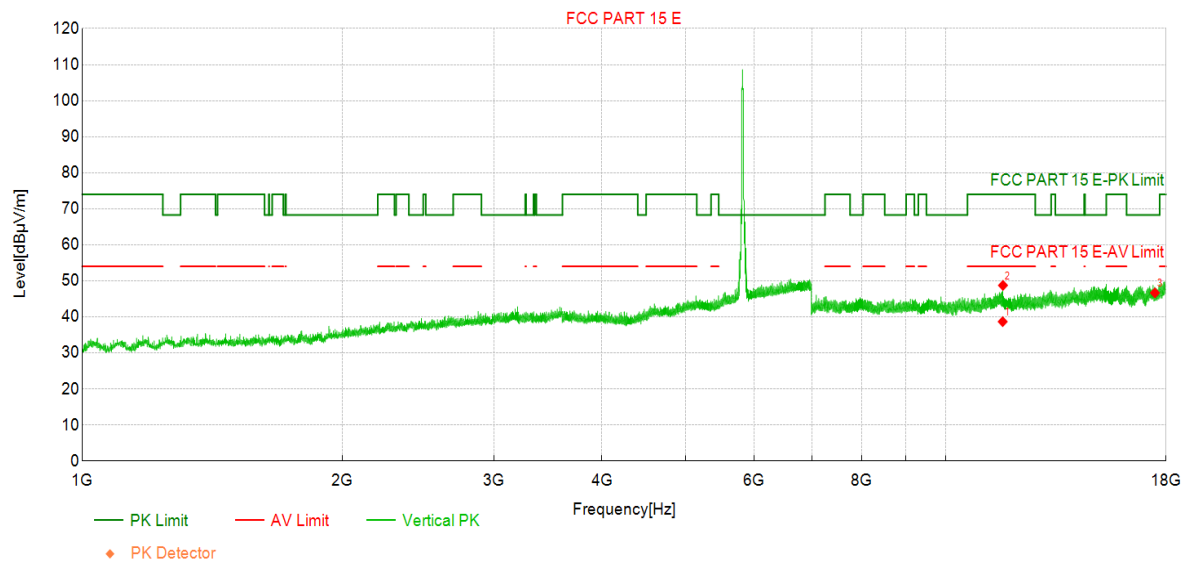


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11570.00	41.0	45.47	4.480	74.00	28.53	PK	Vertic	PASS
2	11570.00	32.4	36.88	4.480	54.00	17.12	AV	Vertic	PASS
3	17355.00	37.4	47.83	10.390	68.30	20.47	PK	Vertic	PASS

Transmit at 5825MHz by 802.11ax(20MHz) with Ant MIMO

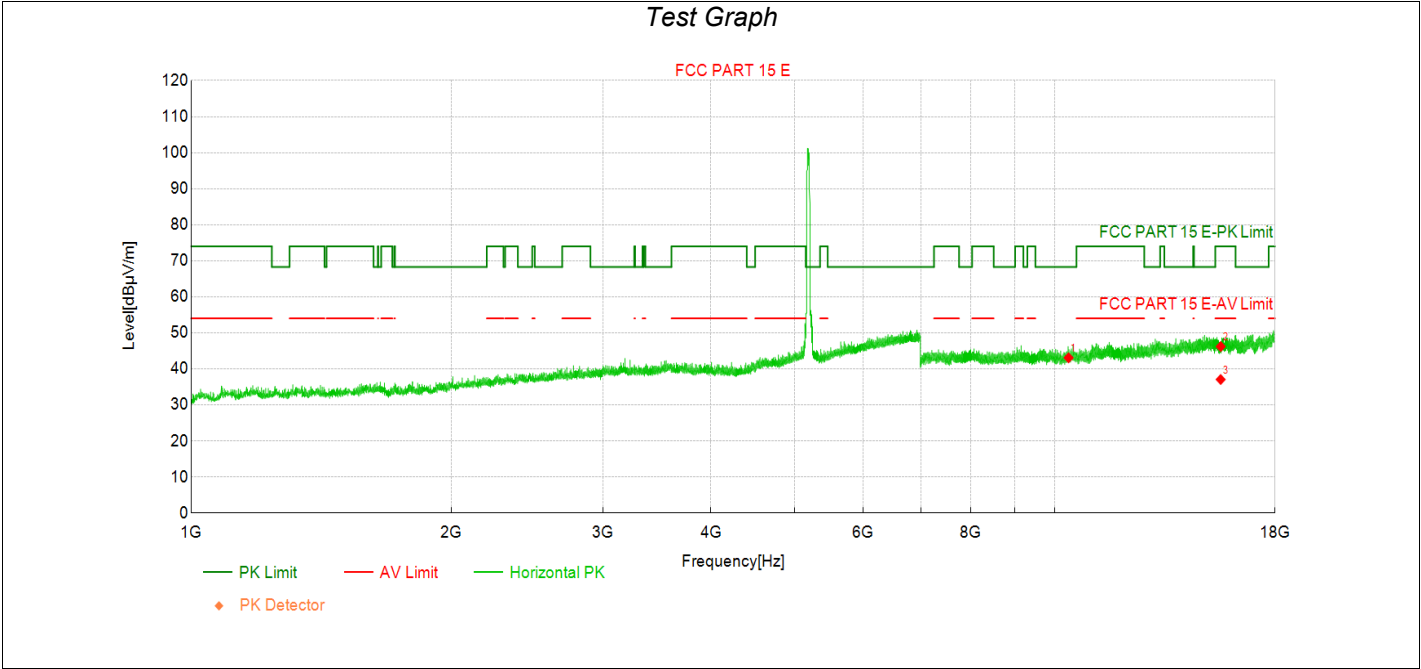


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11650.00	39.7	44.09	4.430	74.00	29.91	PK	Horizo	PASS
2	11650.00	31.0	35.40	4.430	54.00	18.60	AV	Horizo	PASS
3	17475.00	34.9	45.07	10.200	68.30	23.23	PK	Horizo	PASS

Transmit at 5825MHz by 802.11ax(20MHz) with Ant MIMO
Test Graph

Data List

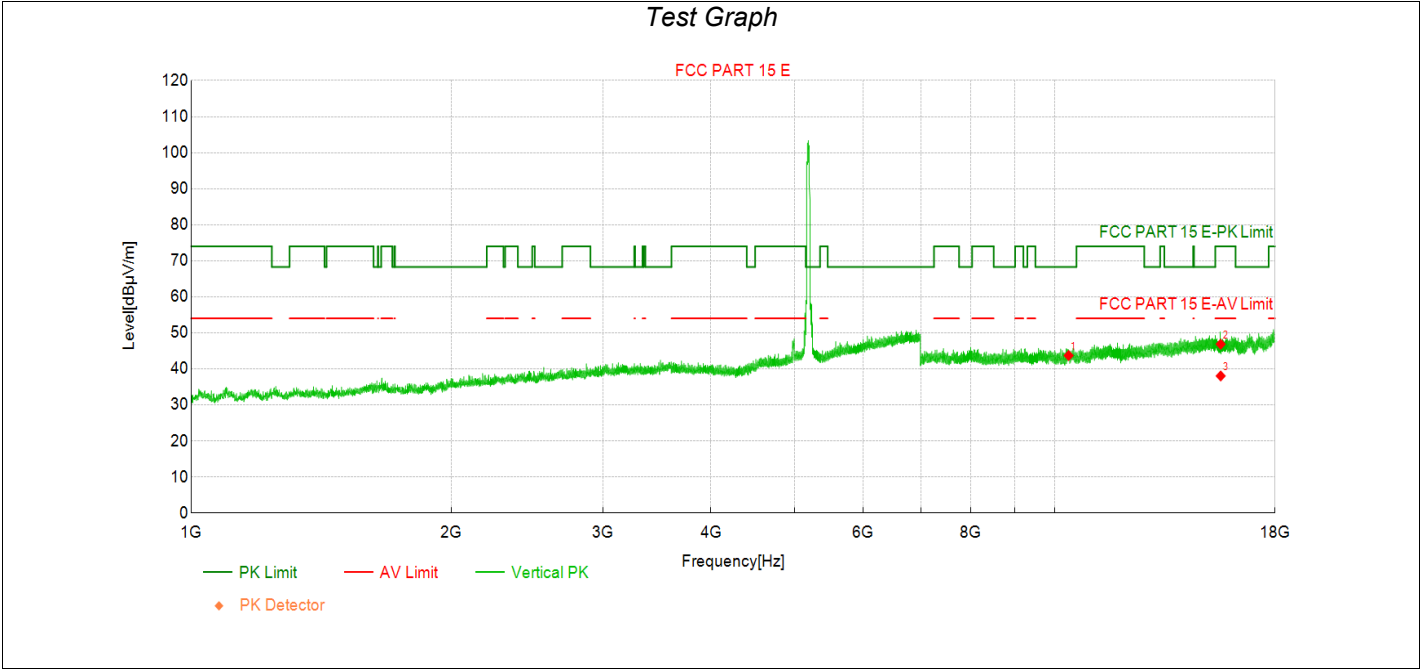
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11643.38	34.2	38.68	4.450	54.00	15.32	AV	Vertic	PASS
2	11652.08	44.3	48.75	4.430	74.00	25.25	PK	Vertic	PASS
3	17475.00	36.5	46.66	10.200	68.30	21.64	PK	Vertic	PASS

Transmit at 5190MHz by 802.11ac(40MHz) with Ant MIMO



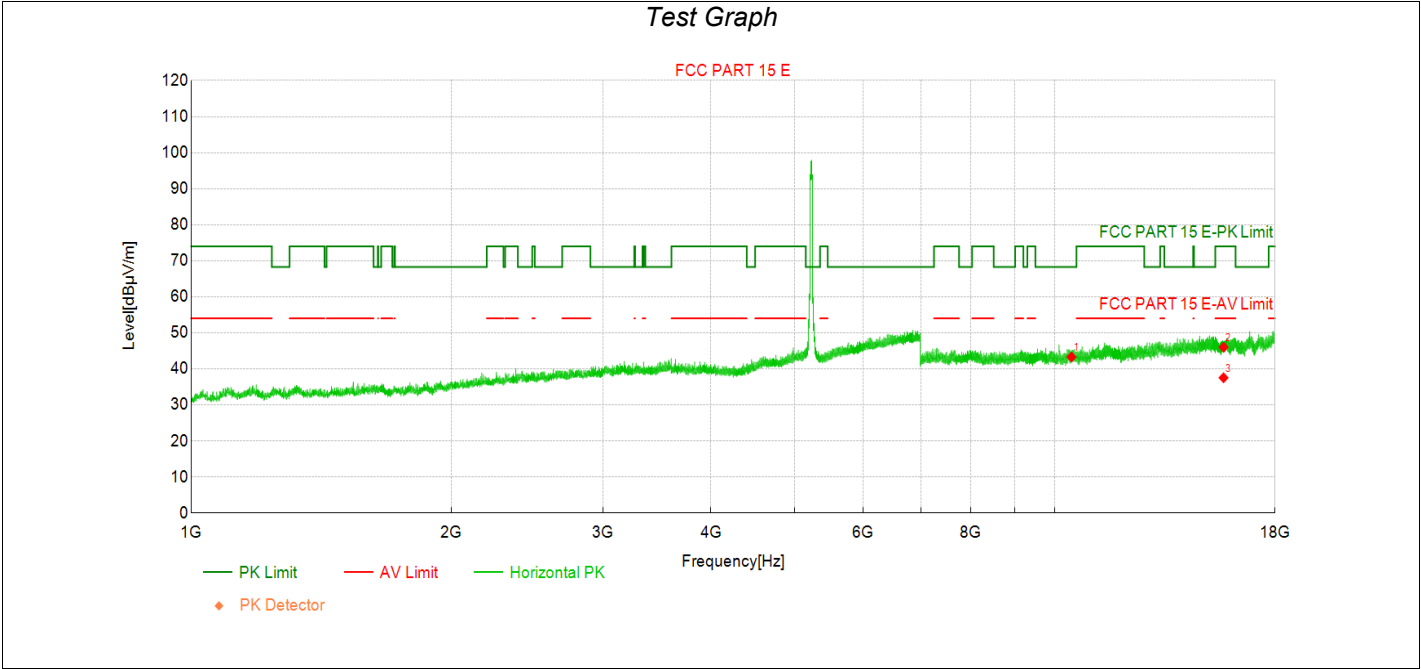
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10380.00	41.5	43.08	1.580	68.30	25.22	PK	Horizo	PASS
2	15570.00	37.0	46.20	9.200	74.00	27.80	PK	Horizo	PASS
3	15570.00	27.9	37.06	9.200	54.00	16.94	AV	Horizo	PASS

Transmit at 5190MHz by 802.11ac(40MHz) with Ant MIMO



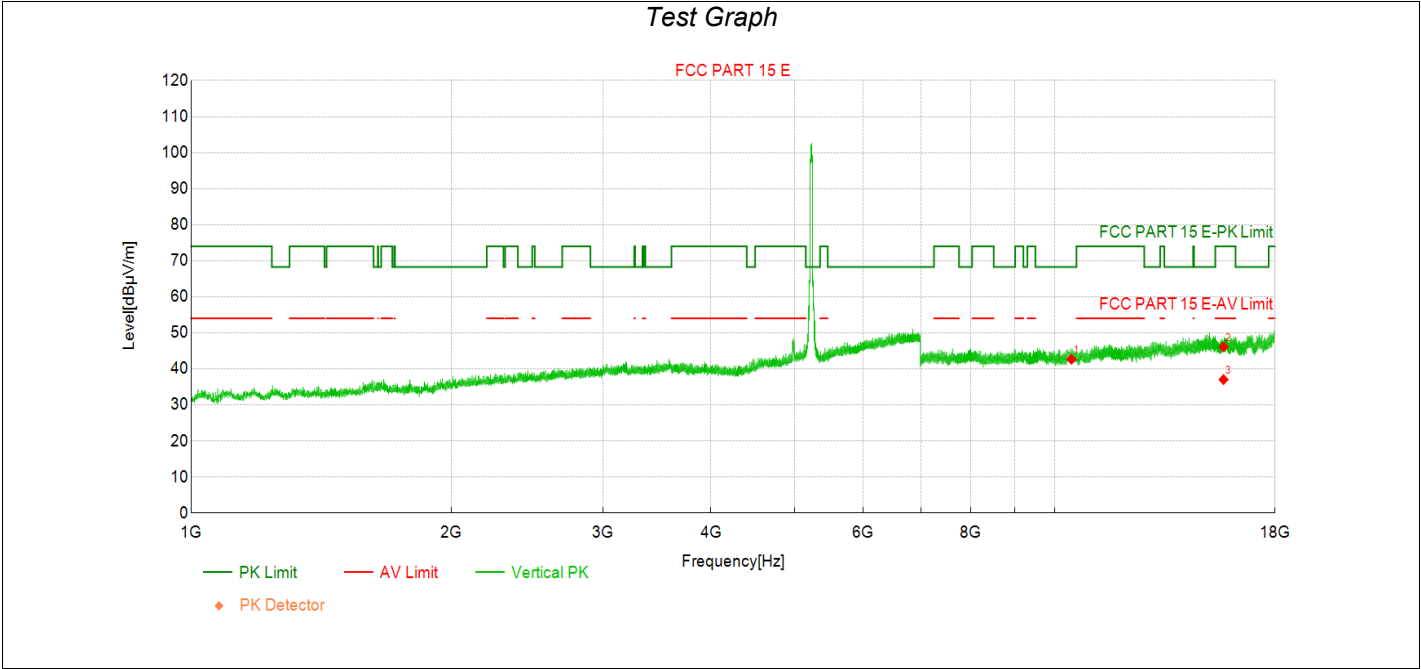
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10380.00	42.1	43.70	1.580	68.30	24.60	PK	Vertic	PASS
2	15570.00	37.7	46.86	9.200	74.00	27.14	PK	Vertic	PASS
3	15570.00	28.8	38.04	9.200	54.00	15.96	AV	Vertic	PASS

Transmit at 5230MHz by 802.11ac(40MHz) with Ant MIMO



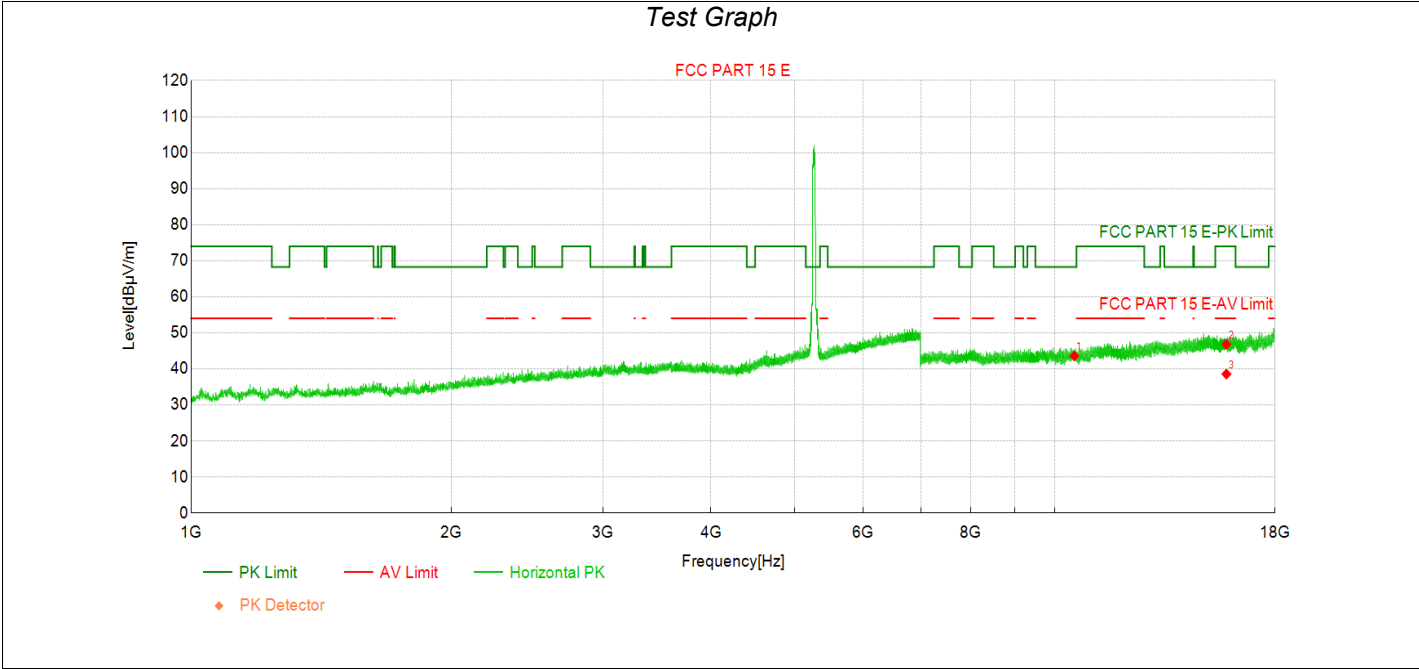
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10460.00	41.7	43.30	1.650	68.30	25.00	PK	Horizo	PASS
2	15690.00	36.5	46.02	9.540	74.00	27.98	PK	Horizo	PASS
3	15690.00	28.0	37.54	9.540	54.00	16.46	AV	Horizo	PASS

Transmit at 5230MHz by 802.11ac(40MHz) with Ant MIMO



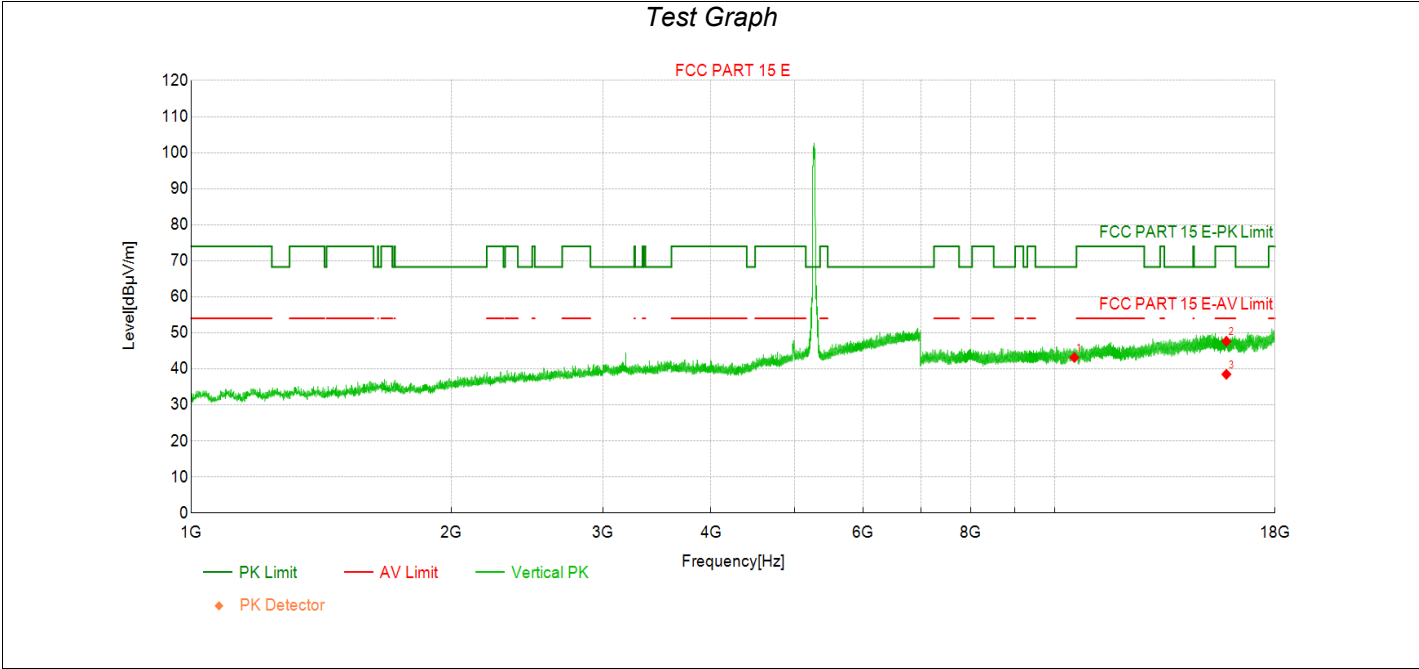
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10460.00	41.0	42.67	1.650	68.30	25.63	PK	Vertic	PASS
2	15690.00	36.6	46.11	9.540	74.00	27.89	PK	Vertic	PASS
3	15690.00	27.5	37.03	9.540	54.00	16.97	AV	Vertic	PASS

Transmit at 5270MHz by 802.11ac(40MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10540.00	41.9	43.60	1.670	68.30	24.70	PK	Horizo	PASS
2	15810.00	37.5	46.80	9.270	74.00	27.20	PK	Horizo	PASS
3	15810.00	29.3	38.55	9.270	54.00	15.45	AV	Horizo	PASS

Transmit at 5270MHz by 802.11ac(40MHz) with Ant MIMO



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10540.00	41.5	43.16	1.670	68.30	25.14	PK	Vertic	PASS
2	15810.00	38.4	47.64	9.270	74.00	26.36	PK	Vertic	PASS
3	15810.00	29.2	38.49	9.270	54.00	15.51	AV	Vertic	PASS