



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street,
Bao'an District, Shenzhen, China

FCC PART 15 SUBPART C TEST REPORT FCC PART 15.407

Report Reference No..... : CTA26070102804

FCC ID..... : 2BOHY-TR6R851P2C

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Date of issue..... : Jul. 23, 2026

Testing Laboratory Name..... : Shenzhen CTA Testing Technology Co., Ltd.

Address..... : Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name..... : TRULY ELECTRONICS MFG., LTD

Address..... : Truly industry city shanwei Guangdong, China

Test specification..... :

Standard..... : FCC Part 15 Subpart E 15.407

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

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Test item description..... : WIFI/BT Module+5G

Trade Mark..... : N/A

Manufacturer..... : TRULY ELECTRONICS MFG., LTD

Model/Type reference..... : TR6R851P2-C

Listed Models..... : TR6R851P1-C

Modulation Type..... : OFDM/ OFDMA

Operation Frequency..... : From 5180MHz to 5240MHz, 5260MHz to 5320MHz, 5500MHz to
5700MHz, 5745MHz to 5825MHz

Ratings..... : Input: DC 3.3V

Result..... : PASS

TEST REPORT

Equipment under Test : WIFI/BT Module+5G

Model /Type : TR6R851P2-C

Listed Models : TR6R851P1-C

Model Difference : The PCB board, circuit, structure and internal of these models are the same, only model number is different for these model. So the tests were performed on model TR6R851P2-C and the test results for the main test model can cover the listed models.

Applicant : TRULY ELECTRONICS MFG., LTD

Address : Truly industry city shanwei Guangdong, China

Manufacturer : TRULY ELECTRONICS MFG., LTD

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Test Result:	PASS
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.407](#): UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE DEVICES.

[ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB789033 D02](#): General UNII Test Procedures New Rules v02r01

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Jul. 01, 2026
Testing commenced on	:	Jul. 01, 2026
Testing concluded on	:	Jul. 23, 2026

2.2. Product Description

Product Name:	WIFI/BT Module+5G
Model/Type reference:	TR6R851P2-C
Power supply:	Input: DC 3.3V
Hardware version:	V0.1
Software version:	Win 11
testing sample ID:	CTA260701028-1# (Engineer sample) CTA260701028-2# (Normal sample)
WIFI	
WLAN	Supported 802.11 a/n/ac/ax
Modulation Type	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ac VHT 20/40/80: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax HE20/40/80: OFDMA (1024QAM,256QAM,64QAM, 16QAM, QPSK,BPSK)
Operation frequency	IEEE 802.11a:5180-5240MHz,5260-5320MHz,5500-5700MHz,5745-5825MHz IEEE 802.11n HT20: 5180-5240MHz,5260-5320MHz,5500-5700MHz,5745-5825MHz IEEE 802.11n HT40: 5190-5230MHz,5270-5310MHz,5510-5670MHz,5755-5795MHz IEEE 802.11ac VHT20: 5180-5240MHz,5260-5320MHz,5500-5700MHz,5745-5825MHz IEEE 802.11ac VHT40: 5190-5230MHz,5270-5310MHz,5510-5670MHz,5755-5795MHz IEEE 802.11ac VHT80:5210MHz,5290MHz,5530MHz,5775MHz IEEE 802.11ax HE20: 5180-5240MHz,5260-5320MHz,5500-5700MHz,5745-5825MHz IEEE 802.11ax HE40: 5190-5230MHz,5270-5310MHz,5510-5670MHz,5755-5795MHz IEEE 802.11ax HE80:5210MHz,5290MHz,5530MHz, 5610MHz,5775MHz
Channel number	4 Channels for 20MHz bandwidth(5180-5240MHz) 4 Channels for 20MHz bandwidth(5260-5320MHz) 11 Channels for 20MHz bandwidth(5500-5700MHz) 5 channels for 20MHz bandwidth(5745-5825MHz) 2 channels for 40MHz bandwidth(5190~5230MHz) 2 channels for 40MHz bandwidth(5270~5310MHz) 5 Channels for 40MHz bandwidth(5510-5670MHz) 2 channels for 40MHz bandwidth(5755~5795MHz) 1 channels for 80MHz bandwidth(5210MHz) 1 channels for 80MHz bandwidth(5290MHz) 2 Channels for 80MHz bandwidth(5530MHz,5610MHz) 1 channels for 80MHz bandwidth(5775MHz)

Antenna type:	PIFA antenna
Antenna gain:	5.5 dBi for Antenna 1&2
Antenna type:	Diople antenna
Antenna gain:	3.5 dBi for Antenna 1&2
Transmit Function	only support SISO (1T1R)

2.3. Equipment Under Test

Power supply system utilised

Refer to section 2.2

2.4. Short description of the Equipment under Test (EUT)

This is a WIFI/BT Module+5G.

For more details, refer to the user's manual of the EUT.

Antenna 1

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5180 MHz	5220 MHz	5240 MHz
802.11a	16.5	16.5	16.5
802.11n20	16.5	16.5	16.5
802.11ac20	16.75	16.75	16.75
802.11ax20	16.5	16.5	16.5
Frequency	5190 MHz	/	5230 MHz
802.11n40	16.25	/	16.25
802.11ac40	16.5	/	16.5
802.11ax40	16.5	/	17.0
Frequency	/	5210 MHz	/
802.11ac80	/	16.5	/
802.11ax80	/	17.0	/

Antenna 1

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5260 MHz	5280 MHz	5320 MHz
802.11a	16.5	16.5	16.5
802.11n20	16.5	16.5	16.5
802.11ac20	16.75	16.75	16.75
802.11ax20	16.5	16.5	16.5
Frequency	5270 MHz	/	5310 MHz
802.11n40	16.25	/	16.25
802.11ac40	16.5	/	16.5
802.11ax40	17.0		17.0
Frequency	/	5290 MHz	/
802.11ac80	/	16.5	/
802.11ax80		16.5	

Antenna 1

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5500 MHz	5600 MHz	5700 MHz
802.11a	19.25	19.25	19.25
802.11n20	19.25	19.25	19.25
802.11ac20	19.25	19.25	19.25
802.11ax20	18.25	18.25	18.25
Frequency	5510 MHz	5550 MHz	5670 MHz
802.11n40	17.25	17.75	18.25
802.11ac40	19.0	18.0	18.0
802.11ax40	19.0	19.0	19.5
Frequency	5530 MHz	/	5610 MHz
802.11ac80	16.5	/	18.0
802.11ax80	16.5	/	17.5

Antenna 1

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5745 MHz	5785 MHz	5825 MHz
802.11a	19.25	19.25	19.25

802.11n20	19.25	19.25	19.25
802.11ac20	19.25	19.25	19.25
802.11ax20	16.0	16.0	16.0
Frequency	5755 MHz	/	5795 MHz
802.11n40	18.25	/	18.25
802.11ac40	18.0	/	18.0
802.11ax40	19.5		18.0
Frequency	/	5775 MHz	/
802.11ac80	/	15.5	/
802.11ax80		16.0	

Antenna 2

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5180 MHz	5220 MHz	5240 MHz
802.11a	17.0	17.0	17.0
802.11n20	18.0	18.0	18.0
802.11ac20	17.5	17.5	17.5
802.11ax20	16.5	16.5	16.5
Frequency	5190 MHz	/	5230 MHz
802.11n40	17.0	/	18
802.11ac40	17.0	/	16.5
802.11ax40	17.0	/	17.0
Frequency	/	5210 MHz	/
802.11ac80	/	16.5	/
802.11ax80	/	16.5	/

Antenna 2

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5260 MHz	5280 MHz	5320 MHz
802.11a	17.0	17.0	17.0
802.11n20	18.0	18.0	18.0
802.11ac20	17.5	17.5	17.5
802.11ax20	17.5	17.5	17.5
Frequency	5270 MHz	/	5310 MHz
802.11n40	18.0	/	18.0
802.11ac40	16.5	/	16.5
802.11ax40	17.0		17.0
Frequency	/	5290 MHz	/
802.11ac80	/	16.5	/
802.11ax80		16.5	

Antenna 2

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5500 MHz	5600 MHz	5700 MHz
802.11a	19.5	19.5	19.5
802.11n20	19.5	19.5	19.5
802.11ac20	19.0	19.0	19.0
802.11ax20	18.0	18.0	18.0
Frequency	5510 MHz	5550 MHz	5670 MHz
802.11n40	18.5	19.0	19.5
802.11ac40	18.5	18.0	18.0
802.11ax40	18.0	18.0	18.0
Frequency	5530 MHz	/	5610 MHz
802.11ac80	16.5	/	18.0
802.11ax80	16.5	/	17.5

Antenna 2

Test Software Version	Tools software(AX Series MP Toolkit)		
Frequency	5745 MHz	5785 MHz	5825 MHz
802.11a	18.5	18.5	18.5
802.11n20	18.5	18.5	18.5
802.11ac20	18.5	18.0	18.0
802.11ax20	16.5	16.5	16.5
Frequency	5755 MHz	/	5795 MHz
802.11n40	18.0	/	18.0

802.11ac40	16.0	/	16.0
802.11ax40	16.0		16.0
Frequency	/	5775 MHz	/
802.11ac80	/	16.0	/
802.11ax80		16.0	

2.5. EUT operation mode

The application provider specific test software to control sample in continuous TX and RX.

IEEE 802.11a/ac/ax20/ac/ax40/ac/ax80/n20/n40:

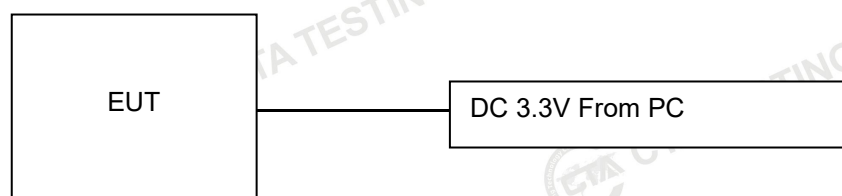
U-NI-1		U-NI-1		U-NI-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

U-NI-2A		U-NI-2A		U-NI-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

U-NI-2C		U-NI-2C		U-NI-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

U-NI-3		U-NI-3		U-NI-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

2.6. Block Diagram of Test Setup



2.7. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for filing to comply with Section 15.407 of the FCC Part 15, Subpart E Rules.

2.8. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

3.2. Test Facility

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

FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4. Test Description

FCC Requirement		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.407(a)	Emission Bandwidth(26dBm Bandwidth)	PASS
FCC Part 15.407(e)	Minimum Emission Bandwidth(6dBm Bandwidth)	PASS
FCC Part 15.407(a)	Maximum Conducted Output Power	PASS
FCC Part 15.407(a)	Peak Power Spectral Density	PASS
FCC Part 15.407(g)	Frequency Stability	PASS
FCC Part 15.407(b)	Undesirable emission	PASS
FCC Part 15.407(b)/15.205/15.209	Radiated Emissions	PASS
FCC Part 15.407(h)	Dynamic Frequency Selection	PASS
FCC Part 15.203/15.247(b)	Antenna Requirement	PASS

Remark:

1. The measurement uncertainty is not included in the test result.

2. NA = Not Applicable; NP = Not Performed

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been

done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

3. For Radiated Emission we tested the products with PIFA Antenna and Dipole Antenna only recorded the worst data of the PIFA Antenna.

3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen CTA Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen CTA Testing Technology Co., Ltd. :

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	9KHz~30MHz	3.02 dB	(1)
Radiated Emission	30~1000MHz	4.06 dB	(1)
Radiated Emission	1~18GHz	5.14 dB	(1)
Radiated Emission	18-40GHz	5.38 dB	(1)
Conducted Disturbance	0.15~30MHz	2.14 dB	(1)
Output Peak power	30MHz~18GHz	0.55 dB	(1)
Power spectral density	/	0.57 dB	(1)
Spectrum bandwidth	/	1.1%	(1)
Radiated spurious emission (30MHz-1GHz)	30~1000MHz	4.10 dB	(1)
Radiated spurious emission (1GHz-18GHz)	1~18GHz	4.32 dB	(1)
Radiated spurious emission (18GHz-40GHz)	18-40GHz	5.54 dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.6. Equipments Used during the Test

Item.	Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
AC Conducted Test Equipment						
☒ 1	LISN	R&S	ENV216	CTA-308	2025/08/04	2026/08/03
☒ 2	LISN	R&S	ENV216	CTA-314	2025/07/30	2026/07/29
☒ 3	EMI Test Receiver	R&S	ESPI	CTA-307	2025/07/30	2026/07/29
☒ 4	CE Cable	SKET	RF Cable (9kHz-30MHz)	CTA-367	2025/07/30	2026/07/29
☒ 5	Temperature and humidity meter	Chigo	ZG-7020	CTA-327	2025/07/31	2026/07/30
☒ 6	EMI Test Software	Tonscend	TS@JS32-CE	5.0.0.1	N/A	N/A
RF Radiation Test Equipment						
☒ 1	EMI Test Receiver	R&S	ESCI	CTA-306	2025/07/30	2026/07/29
☒ 2	Spectrum analyzer	R&S	FSV40-N	CTA-344	2026/05/16	2027/05/15
☒ 3	Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2023/10/17	2026/10/16
☒ 4	Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2023/10/13	2026/10/12
☒ 5	Loop Antenna	Zhinan	ZN30900C	CTA-311	2023/10/17	2026/10/16
☒ 6	Horn Antenna	Schwarzbeck	BBHA 9170	CTA-346	2025/05/18	2028/05/17
☒ 7	Amplifier	Schwarzbeck	BBV9745	CTA-312	2025/07/30	2026/07/29
☒ 8	Amplifier	Tonscend	TAP-011840	CTA-313	2025/07/30	2026/07/29
☒ 9	Amplifier	SKET	LNPA 1840G-50	CTA-345	2026/05/16	2027/05/15
☒ 10	6dB attenuator	Shanghaihuaxiang	GZL-TS5-6-6	CTA-347	2026/05/16	2027/05/15
☒ 11	RF cable	SKET	RF Cable (9kHz-1GHz)	CTA-360	2025/09/25	2026/09/24
☒ 12	RF cable	SKET	RF Cable (1GHz-18GHz)	CTA-361	2025/09/25	2026/09/24
☒ 13	Coaxialcable (1GHz-40GHz)	SKET	RE-04-D	CTA-348	2026/05/16	2027/05/15
☒ 14	Coaxialcable (1GHz-40GHz)	SKET	RE-04-M	CTA-349	2026/05/16	2027/05/15
☒ 15	Coaxialcable (1GHz-40GHz)	SKET	RE-04-L	CTA-350	2026/05/16	2027/05/15
☒ 16	Temperature and humidity meter	Chigo	ZG-7020	CTA-328	2025/07/31	2026/07/30
☐ 17	2.4GFilter	HX Microwave	HXLBQ-DZA61	CTA-365	2025/07/31	2026/07/30
☒ 18	5GFilter	CONCEPT	CNF05150M058 50Q16A	CTA-366	2025/07/31	2026/07/30
☐ 19	High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2025/07/30	2026/07/29
☐ 20	High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2025/07/30	2026/07/29
☐ 21	High-Pass Filter	XingBo	XBLBQ-GTA10	CTA-364	2025/07/30	2026/07/29
☒ 22	EMI Test Software	Tonscend	TS@JS32-RE	5.0.0.2	N/A	N/A
RF Conducted Test Equipment						
☐ 1	Spectrum Analyzer	Agilent	N9020A	CTA-342	2025/07/30	2026/07/29
☒ 2	Spectrum analyzer	R&S	FSV40-N	CTA-344	2026/05/16	2027/05/15
☒ 3	RF Coaxial Cable	SKET	RF Cable (9kHz-40GHz)	CTA-368	2025/07/30	2026/07/29
☒ 4	Temperature and humidity meter	ZG-7020	Chigo	CTA-329	2025/07/31	2026/07/30

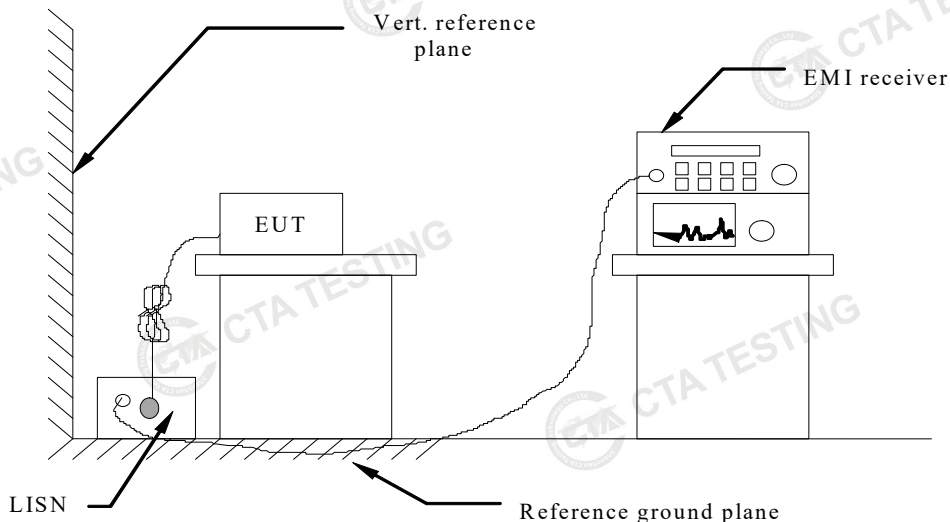
☒ 5	Programmable Constant Temperature And Humidity Test Chamber	DONGGUAN JINGYU	HT-H-408	CTA-053	2025/07/30	2026/07/29
☐ 6	Vector Signal generator	Agilent	N5182A	CTA-305	2025/07/30	2026/07/29
☐ 7	Analog Signal Generator	R&S	E4421B	CTA-304	2025/07/30	2026/07/29
☐ 8	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	CTA-302	2025/07/30	2026/07/29
☒ 9	Automatic control unit	Tonscend	JS0806-2	CTA-351	2025/07/30	2026/07/29
☒ 10	RF Test Software	Tonscend	TS@JS1120-3	3.1.65	N/A	N/A
☒ 11	RF Test Software	Tonscend	TS@JS1120	3.1.46	N/A	N/A
☒ 12	RF Connection Cable	N/A	N/A	1#	Each time	N/A

Note: The automatic control unit integrated Power sensor

4. TEST CONDITIONS AND RESULTS

4.1. AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2020.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2020
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2020
- 4 The EUT received DC 12V power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

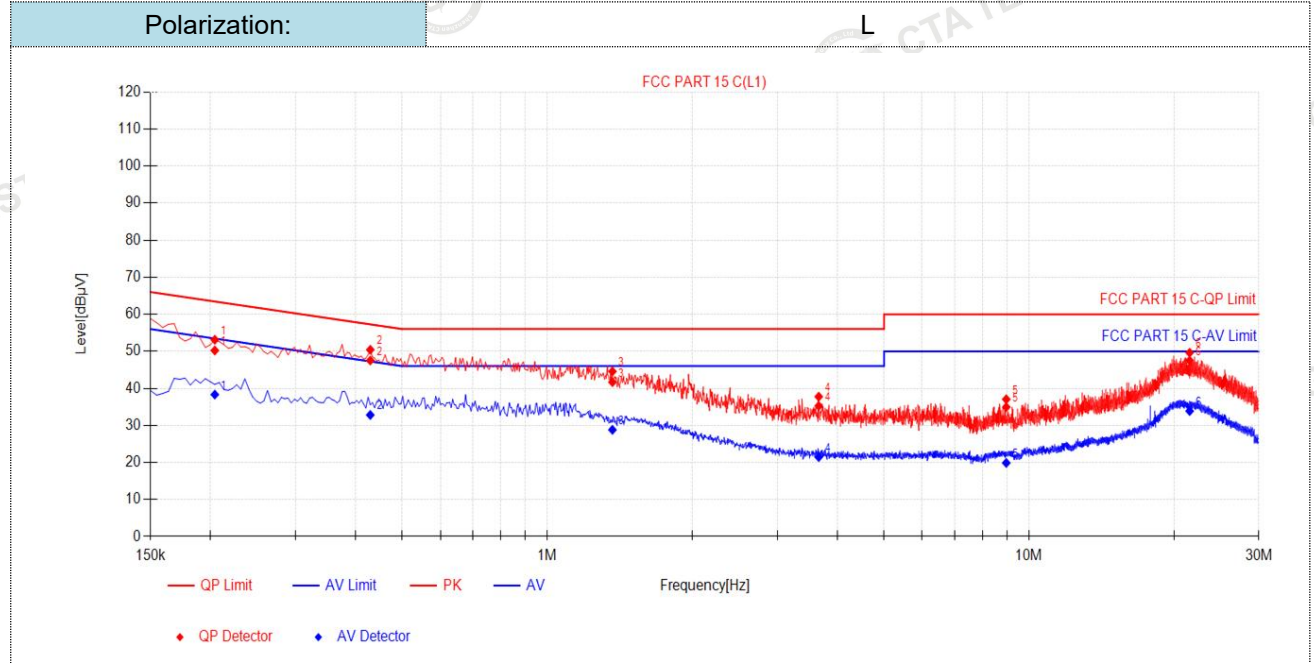
TEST RESULTS

Remark:

1. All modes of 802.11 a/n/ac/ax were test at Low, Middle, and High channel; only the worst result of 802.11 ac20 high Channel(Antenna 2 5.2GWIFI)/ ac20 mid Channel(Antenna 2 5.3GWIFI)/ a mid Channel(Antenna 2 5.5GWIFI)/ a mid Channel(Antenna 1 5.8GWIFI) was reported as below:

Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:

UNII-1:



Final Data List

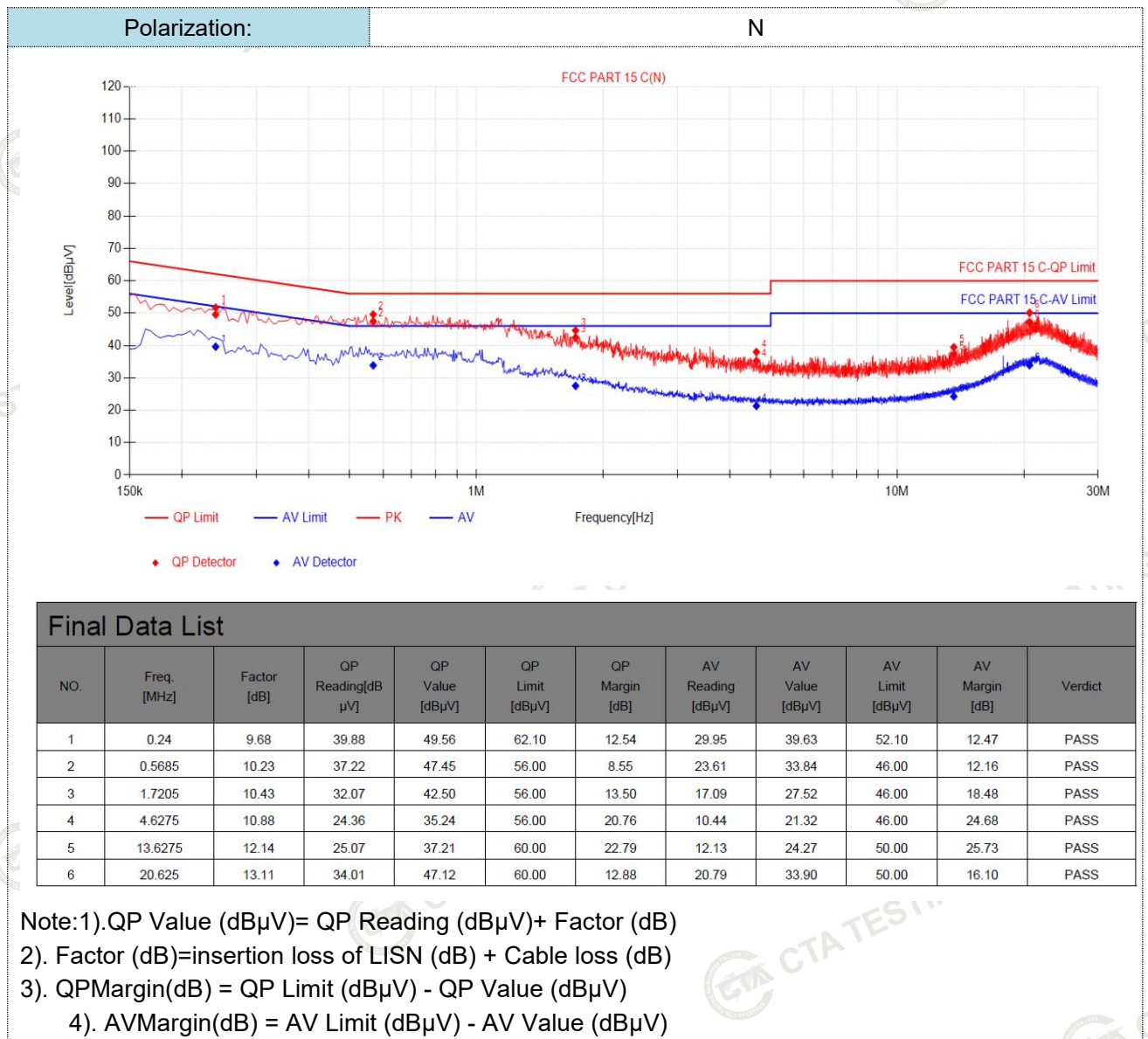
NO.	Freq. [MHz]	Factor [dB]	QP Reading[dB μV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.204	10.01	40.21	50.22	63.45	13.23	28.31	38.32	53.45	15.13	PASS
2	0.429	10.14	37.38	47.52	57.27	9.75	22.67	32.81	47.27	14.46	PASS
3	1.365	10.45	31.23	41.68	56.00	14.32	18.35	28.80	46.00	17.20	PASS
4	3.66	10.70	24.56	35.26	56.00	20.74	10.75	21.45	46.00	24.55	PASS
5	8.97	11.40	23.54	34.94	60.00	25.06	8.48	19.88	50.00	30.12	PASS
6	21.5665	13.01	34.49	47.50	60.00	12.50	20.86	33.87	50.00	16.13	PASS

Note:1). QP Value (dBμV) = QP Reading (dBμV) + Factor (dB)

2). Factor (dB) = insertion loss of LISN (dB) + Cable loss (dB)

3). QPMargin(dB) = QP Limit (dBμV) - QP Value (dBμV)

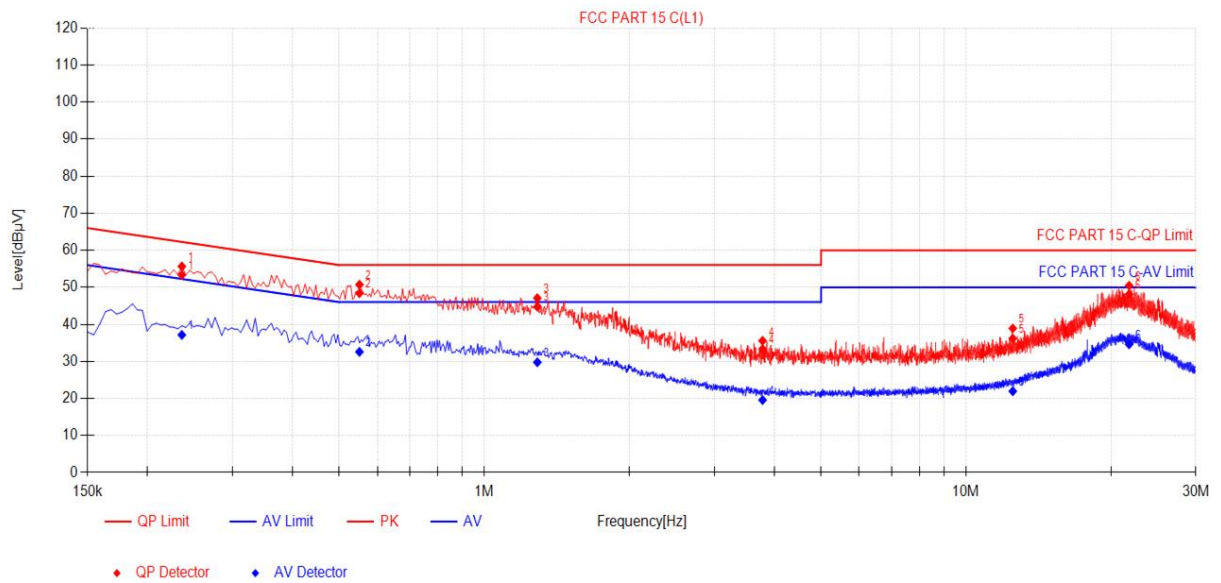
4). AVMargin(dB) = AV Limit (dBμV) - AV Value (dBμV)



UNII-2A:

Polarization:

L



Final Data List

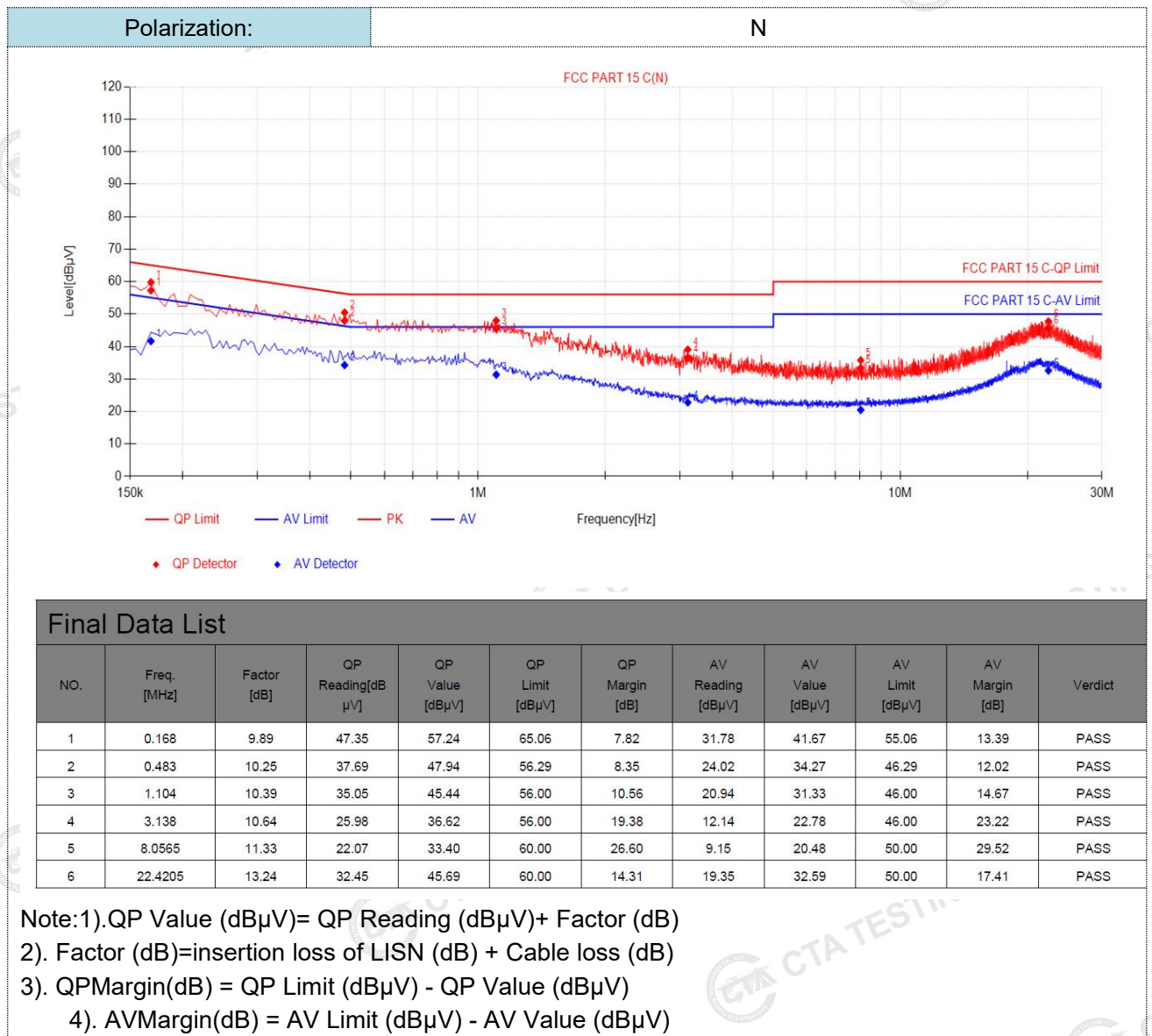
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2355	9.74	43.58	53.32	62.25	8.93	27.41	37.15	52.25	15.10	PASS
2	0.5505	10.23	38.17	48.40	56.00	7.60	22.34	32.57	46.00	13.43	PASS
3	1.2885	10.44	34.32	44.76	56.00	11.24	19.32	29.76	46.00	16.24	PASS
4	3.7815	10.72	22.61	33.33	56.00	22.67	8.85	19.57	46.00	26.43	PASS
5	12.507	11.89	24.28	36.17	60.00	23.83	10.05	21.94	50.00	28.06	PASS
6	21.8085	13.02	35.11	48.13	60.00	11.87	21.57	34.59	50.00	15.41	PASS

Note:1). QP Value (dBμV) = QP Reading (dBμV) + Factor (dB)

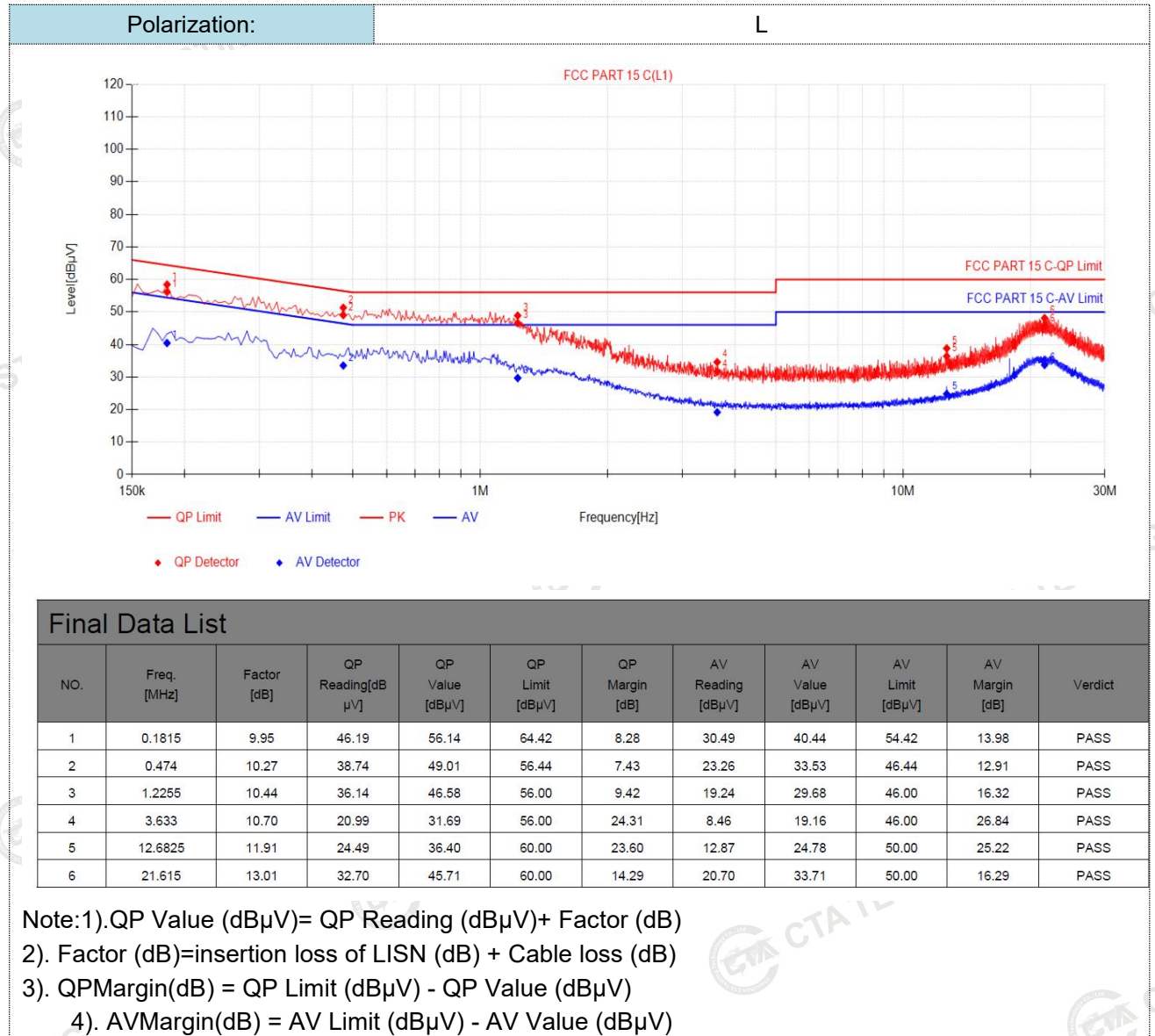
2). Factor (dB) = insertion loss of LISN (dB) + Cable loss (dB)

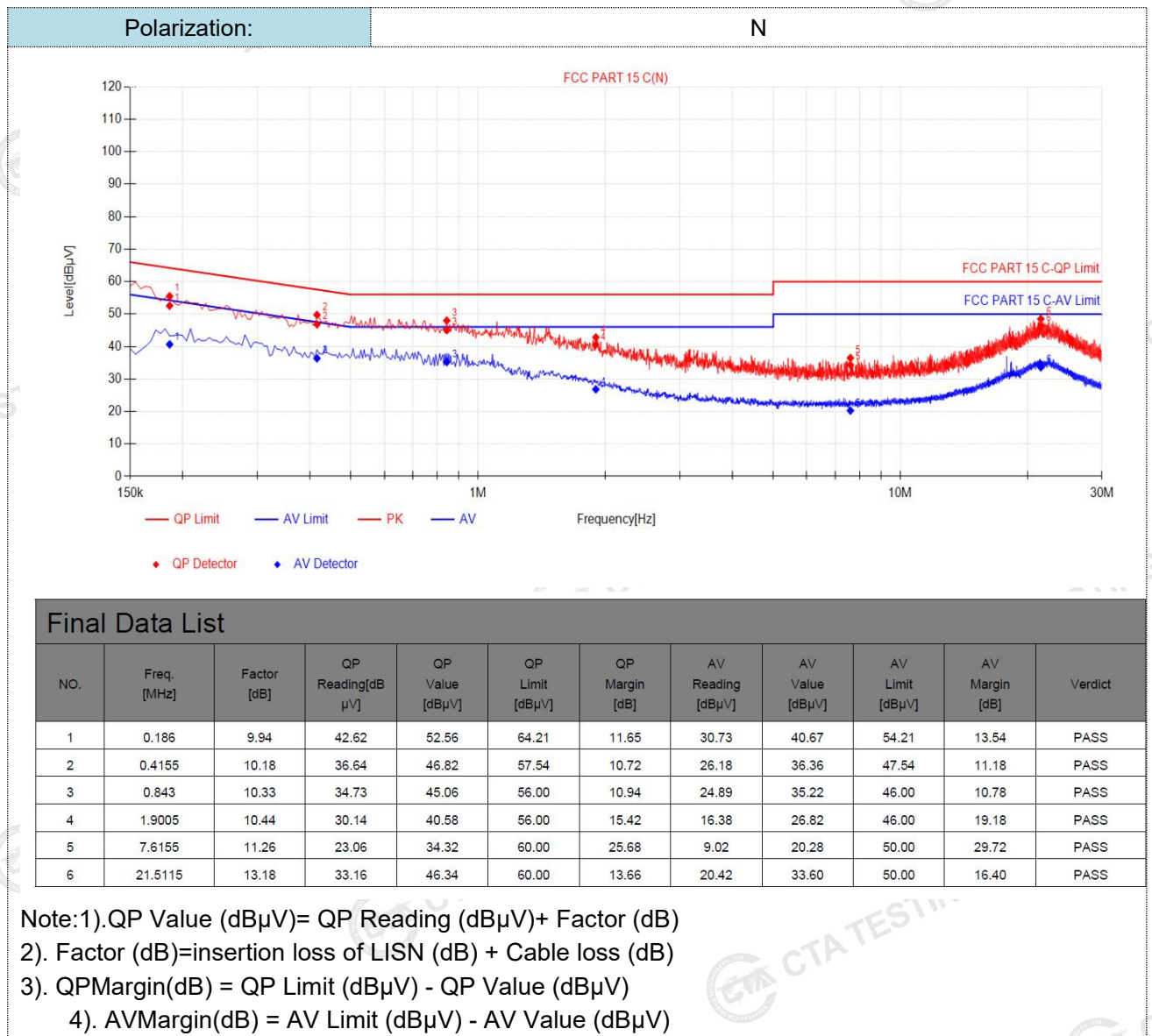
3). QPMargin(dB) = QP Limit (dBμV) - QP Value (dBμV)

4). AVMargin(dB) = AV Limit (dBμV) - AV Value (dBμV)



UNII-2C:

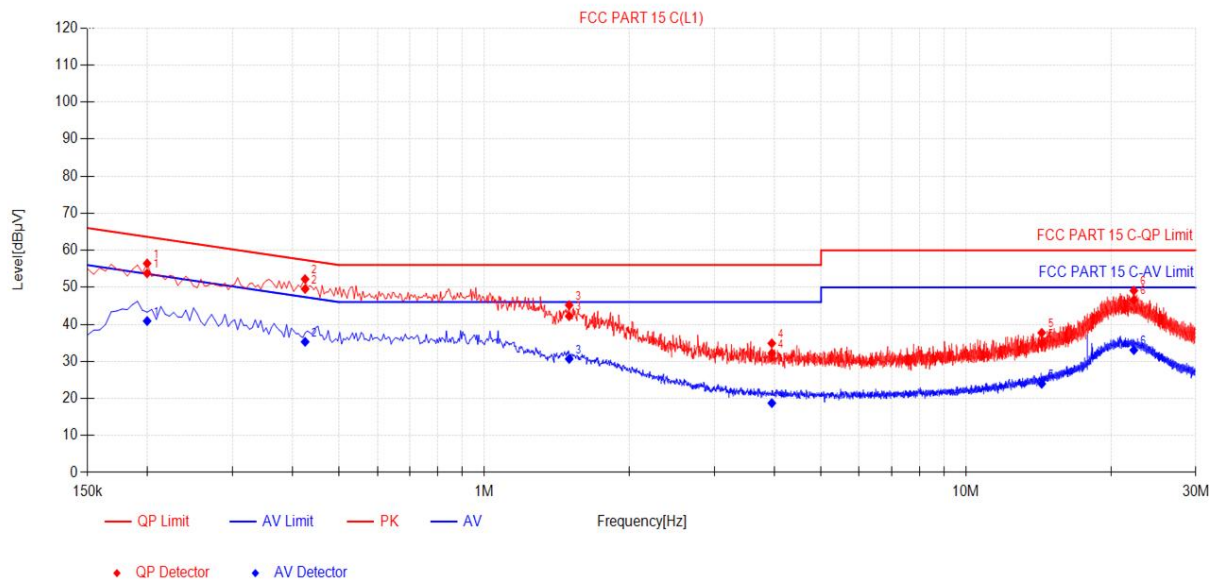




UNII-3:

Polarization:

L



Final Data List

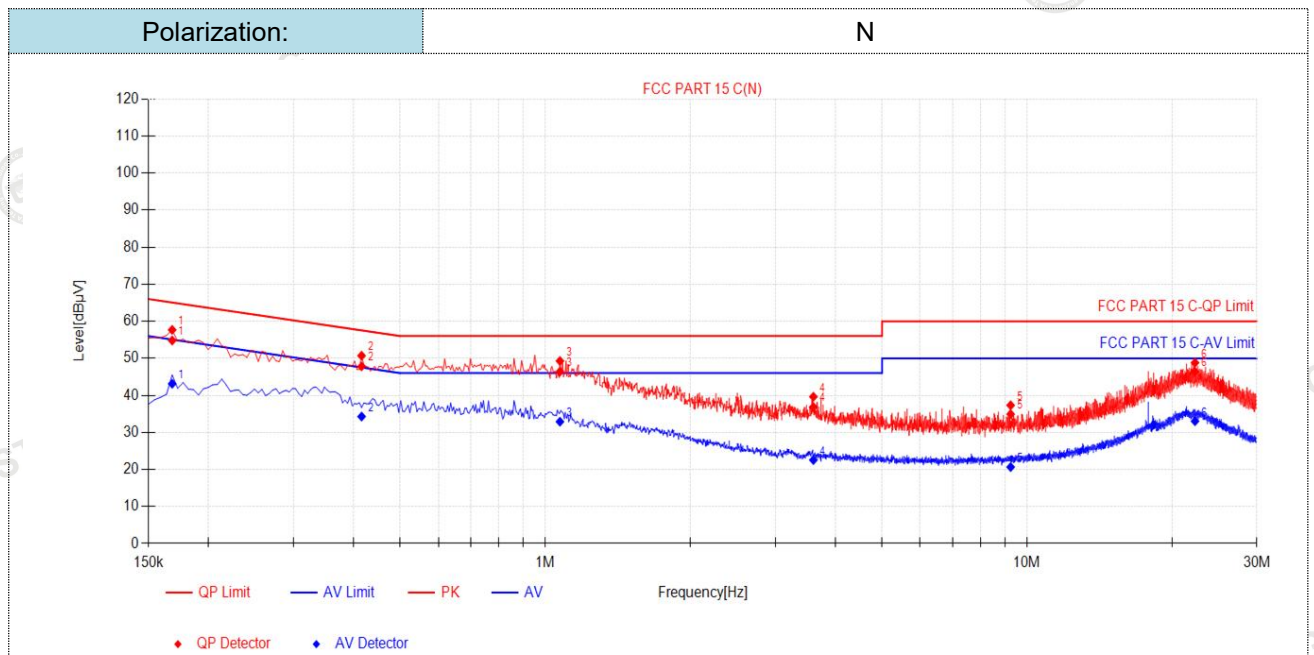
NO.	Freq. [MHz]	Factor [dB]	QP Reading[dB μV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1995	10.04	43.73	53.77	63.63	9.86	30.85	40.89	53.63	12.74	PASS
2	0.4245	10.13	39.42	49.55	57.36	7.81	25.15	35.28	47.36	12.08	PASS
3	1.5	10.46	31.75	42.21	56.00	13.79	20.20	30.66	46.00	15.34	PASS
4	3.9525	10.74	21.47	32.21	56.00	23.79	8.00	18.74	46.00	27.26	PASS
5	14.361	12.14	22.79	34.93	60.00	25.07	11.81	23.95	50.00	26.05	PASS
6	22.308	13.05	33.55	46.60	60.00	13.40	19.99	33.04	50.00	16.96	PASS

Note:1). QP Value (dBμV) = QP Reading (dBμV) + Factor (dB)

2). Factor (dB) = insertion loss of LISN (dB) + Cable loss (dB)

3). QPMargin(dB) = QP Limit (dBμV) - QP Value (dBμV)

4). AVMargin(dB) = AV Limit (dBμV) - AV Value (dBμV)



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.168	9.89	44.92	54.81	65.06	10.25	33.24	43.13	55.06	11.93	PASS
2	0.4155	10.18	37.65	47.83	57.54	9.71	24.11	34.29	47.54	13.25	PASS
3	1.0725	10.38	36.03	46.41	56.00	9.59	22.51	32.89	46.00	13.11	PASS
4	3.6015	10.73	26.13	36.86	56.00	19.14	11.82	22.55	46.00	23.45	PASS
5	9.249	11.50	23.44	34.94	60.00	25.06	9.15	20.65	50.00	29.35	PASS
6	22.326	13.23	33.18	46.41	60.00	13.59	19.78	33.01	50.00	16.99	PASS

Note: 1). QP Value (dBμV) = QP Reading (dBμV) + Factor (dB)

2). Factor (dB) = insertion loss of LISN (dB) + Cable loss (dB)

3). QPMargin (dB) = QP Limit (dBμV) - QP Value (dBμV)

4). AVMargin (dB) = AV Limit (dBμV) - AV Value (dBμV)

4.2. Radiated Emission

Limit

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Undesirable emission limits

Requirement	Limit(EIRP)	Limit (Field strength at 3m) ^{Note1}
15.407(b)(1)	PK:-27(dBm/MHz)	PK:68.2(dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)		

Note1: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

- (5) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209
- (6) In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

Conducted measurement Test Procedure:

The testing follows the ANSI C63.10 Section 12.7.6 and 6.10.4:

The procedure for peak unwanted emissions measurements above 1000 MHz is as follows:

b) Peak emission levels are measured by setting the instrument as follows:

- 1) RBW = 1 MHz.
- 2) VBW $\geq [3 \times \text{RBW}]$
- 3) Detector = peak.
- 4) Sweep time = No faster than coupled (auto) time.
- 5) Trace mode = max-hold.
- 6) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, then the time required for the trace to stabilize will increase by a factor of approximately $1 / D$, where D is the duty cycle. For example, at 50% duty cycle, the measurement time will increase by a factor of two, relative to measurement time for continuous transmission.

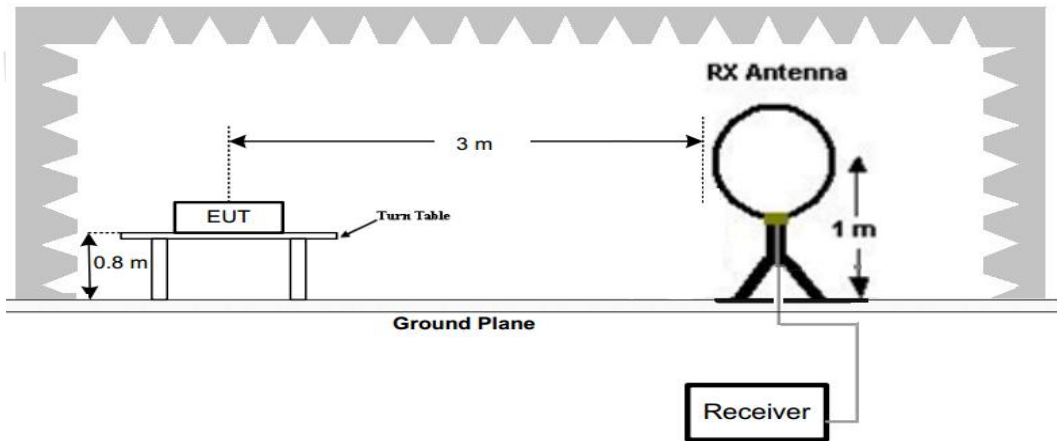
Test Results

Please refer to FCC Appendix RF Test Data for 5GWIFI

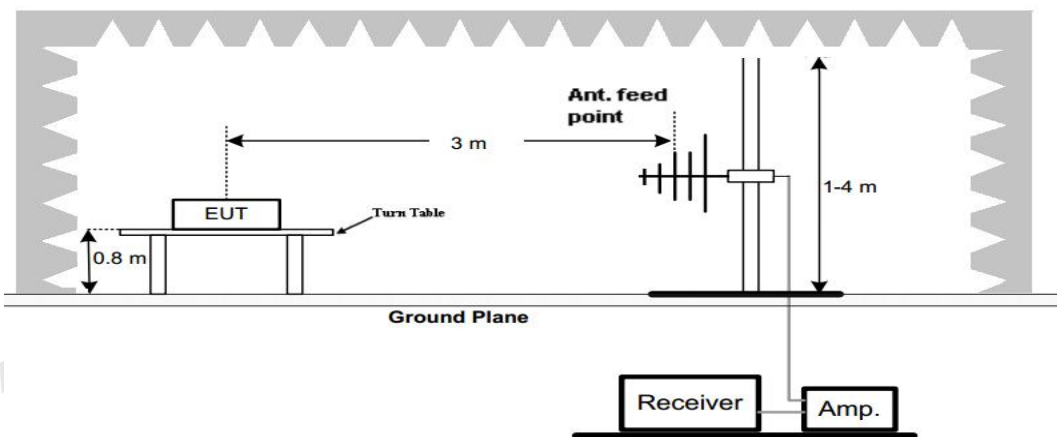
Note: RF Conducted test Offset = cable loss, For conducted spurious emission test, cable loss is the maximum value in the range of test.

TEST CONFIGURATION

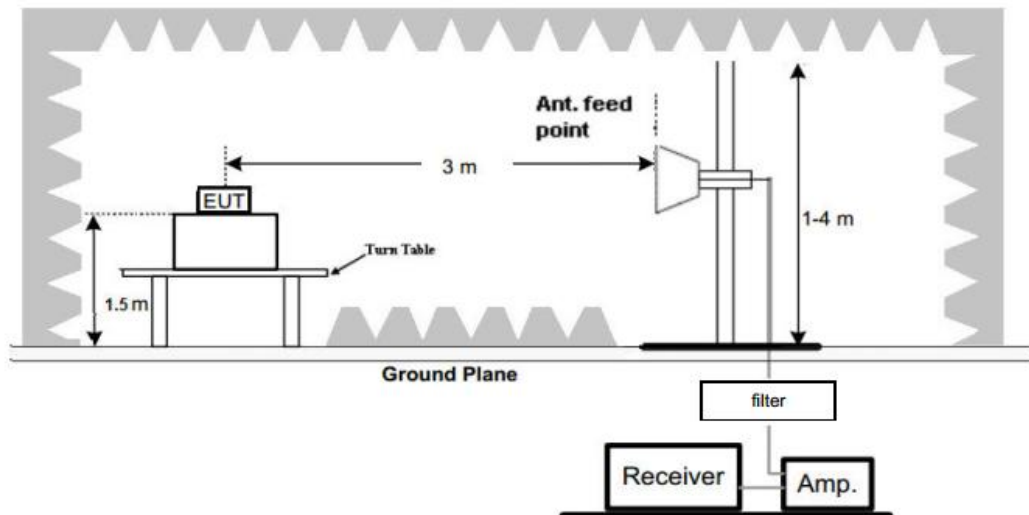
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz

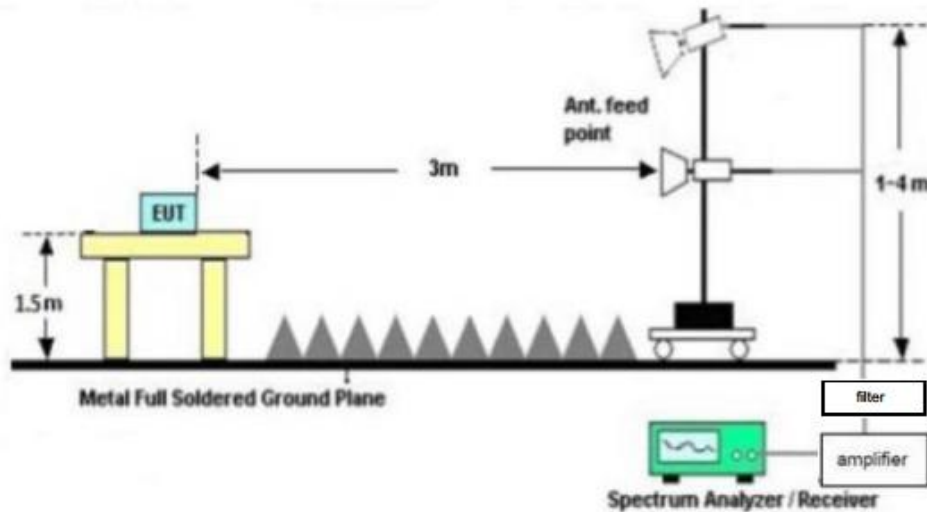


(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz





Test Procedure

- Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
- Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.
- Radiated emission test frequency band from 9KHz to 40GHz.
- The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Bilog Antenna	3
1GHz-18GHz	Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

- Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

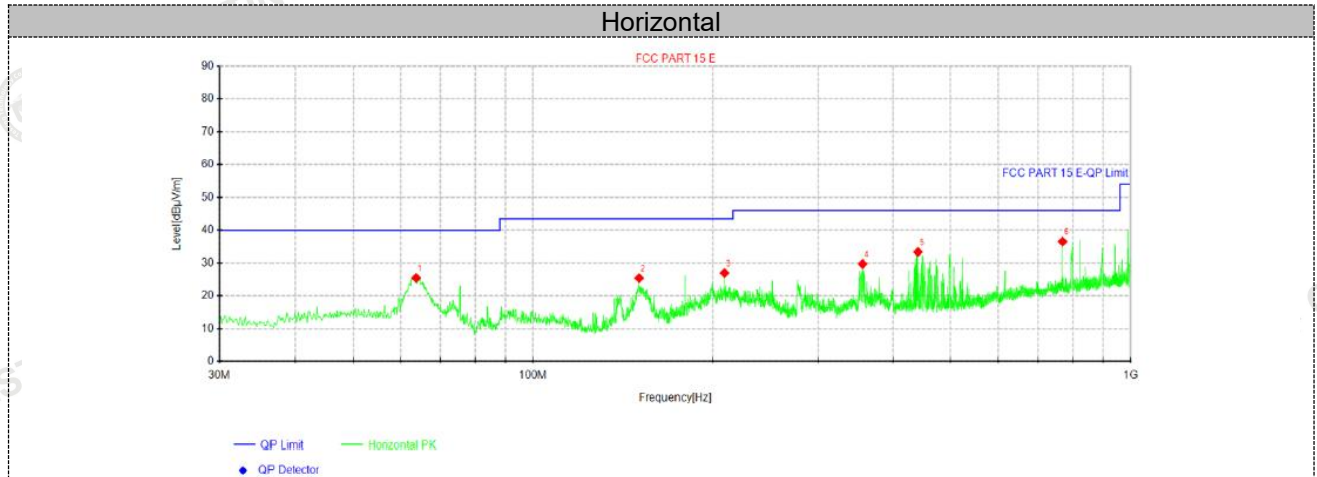
TEST RESULTS

Remark:

- This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
- All 802.11 a/n/ac/ax modes have been tested for above 1GHz test, for below 1GHz test, only the worst case 802.11 ac20 high Channel(Antenna 2 5.2GWIFI)/ ac20 mid Channel(Antenna 2 5.3GWIFI)/ a mid Channel(Antenna 2 5.5GWIFI)/ a mid Channel(Antenna 1 5.8GWIFI) was recorded.
- All 802.11 a/n/ac/ax modes have been tested for above 1GHz test, for above 1GHz test, only the worst case 802.11 ac20 high Channel(Antenna 2 5.2GWIFI)/ ac20 mid Channel(Antenna 2 5.3GWIFI)/ a mid Channel(Antenna 2 5.5GWIFI)/ a mid Channel(Antenna 1 5.8GWIFI) was recorded.
- Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.

UNII-1:

For 30MHz-1GHz



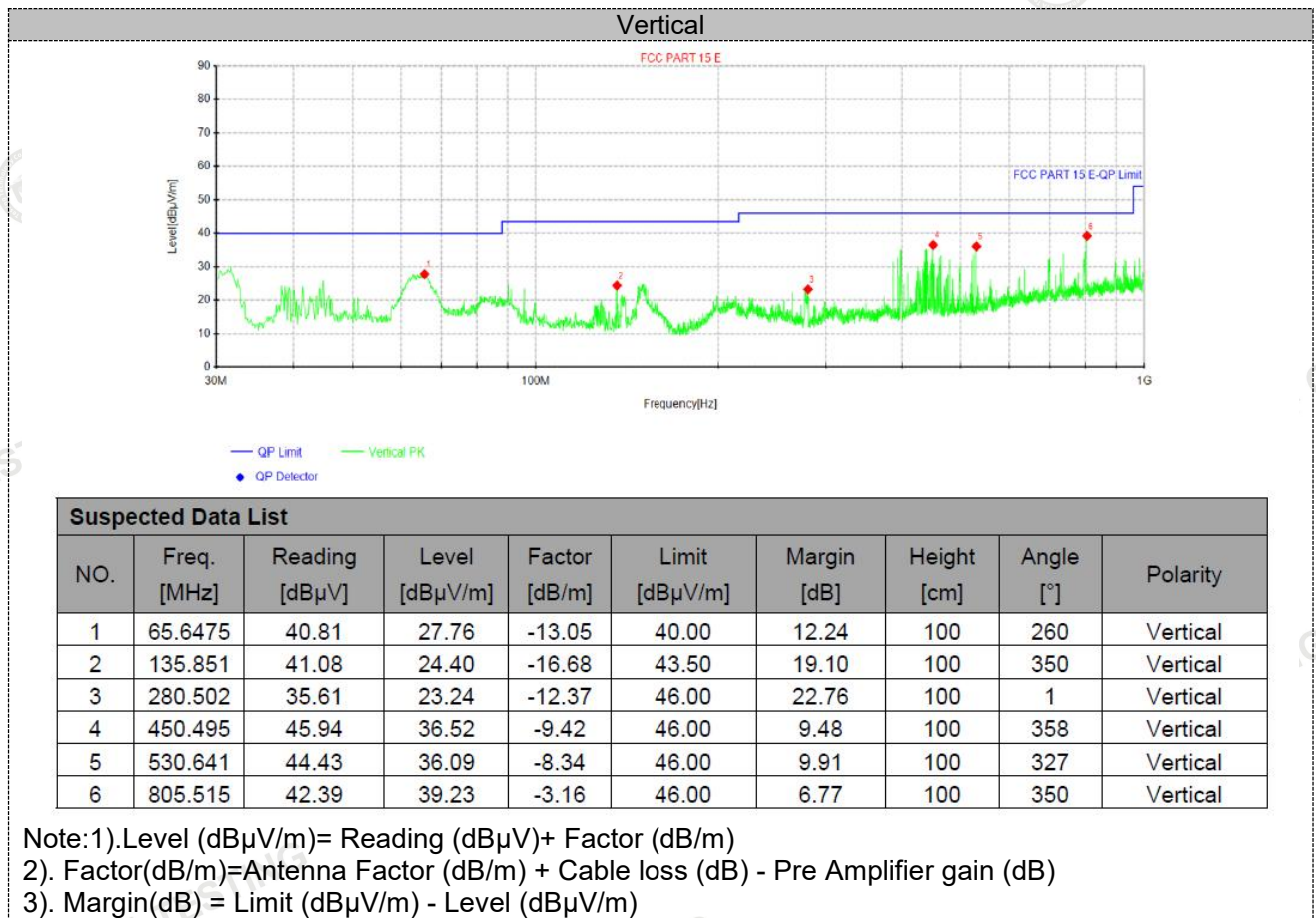
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.7075	38.14	25.46	-12.68	40.00	14.54	100	137	Horizontal
2	150.401	41.93	25.41	-16.52	43.50	18.09	100	360	Horizontal
3	209.086	40.59	26.95	-13.64	43.50	16.55	100	170	Horizontal
4	356.041	40.34	29.73	-10.61	46.00	16.27	100	22	Horizontal
5	440.795	42.86	33.41	-9.45	46.00	12.59	100	2	Horizontal
6	769.261	39.93	36.55	-3.38	46.00	9.45	100	263	Horizontal

Note:1).Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)

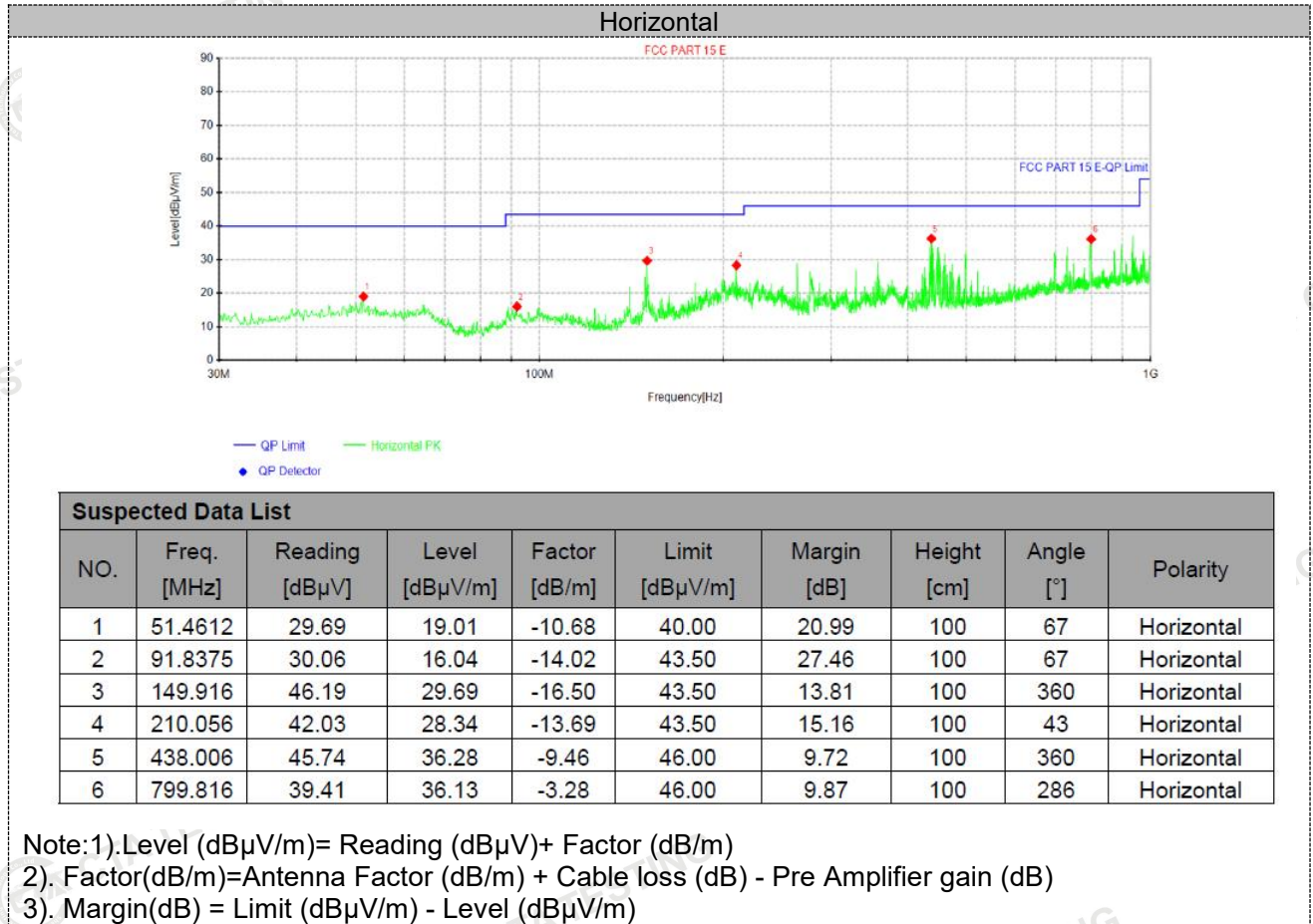
2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

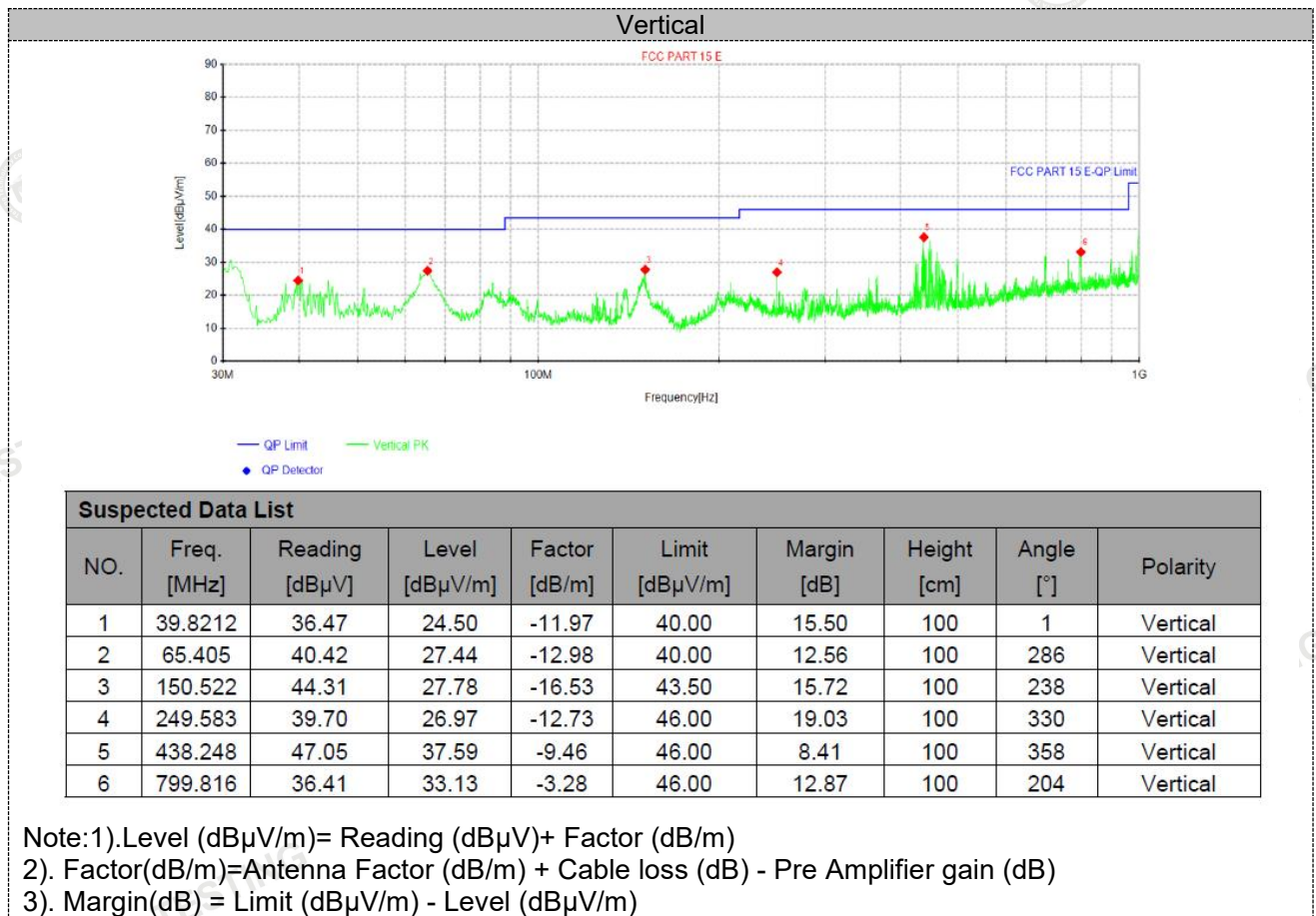
3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)



UNII-2A:

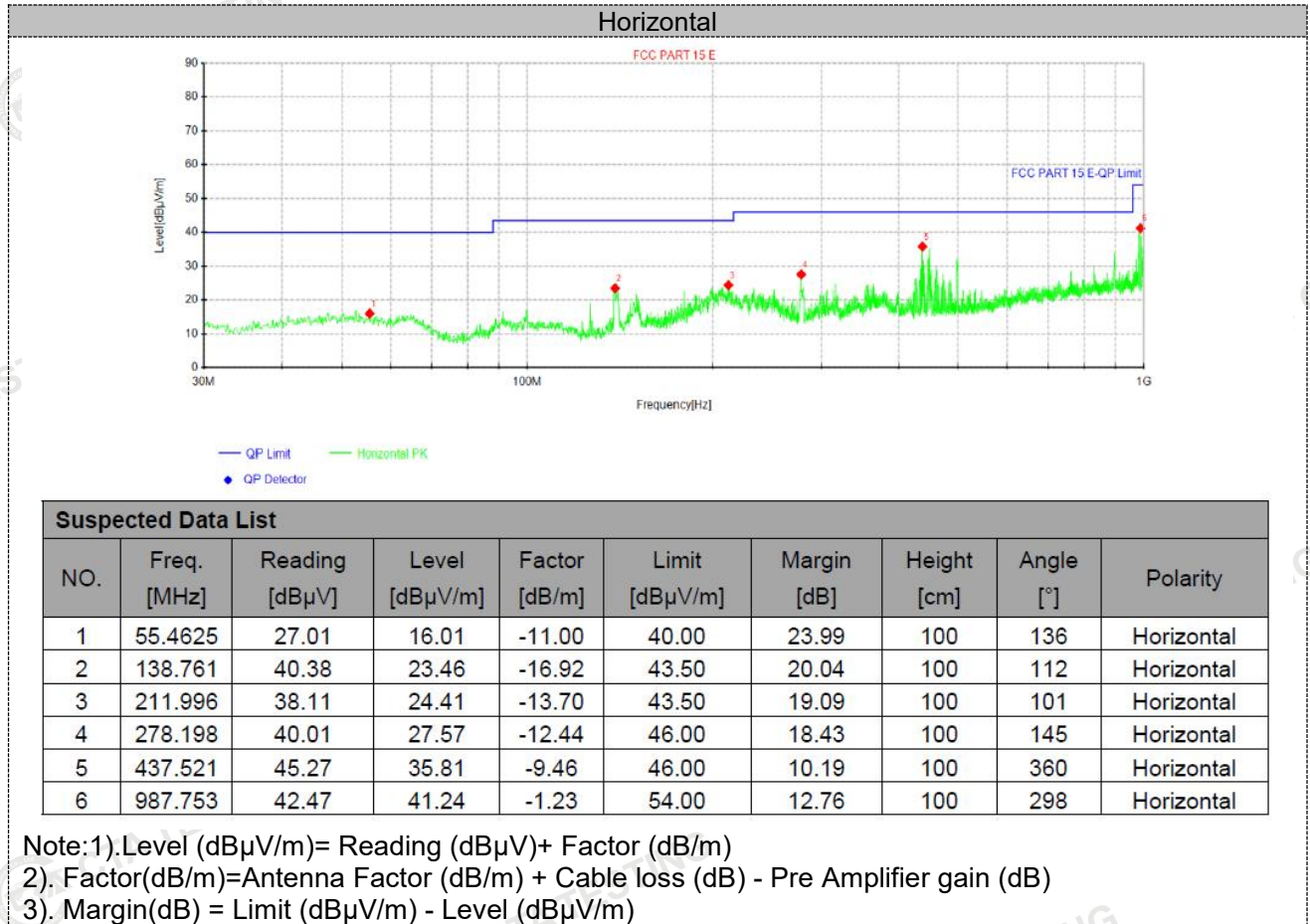
For 30MHz-1GHz

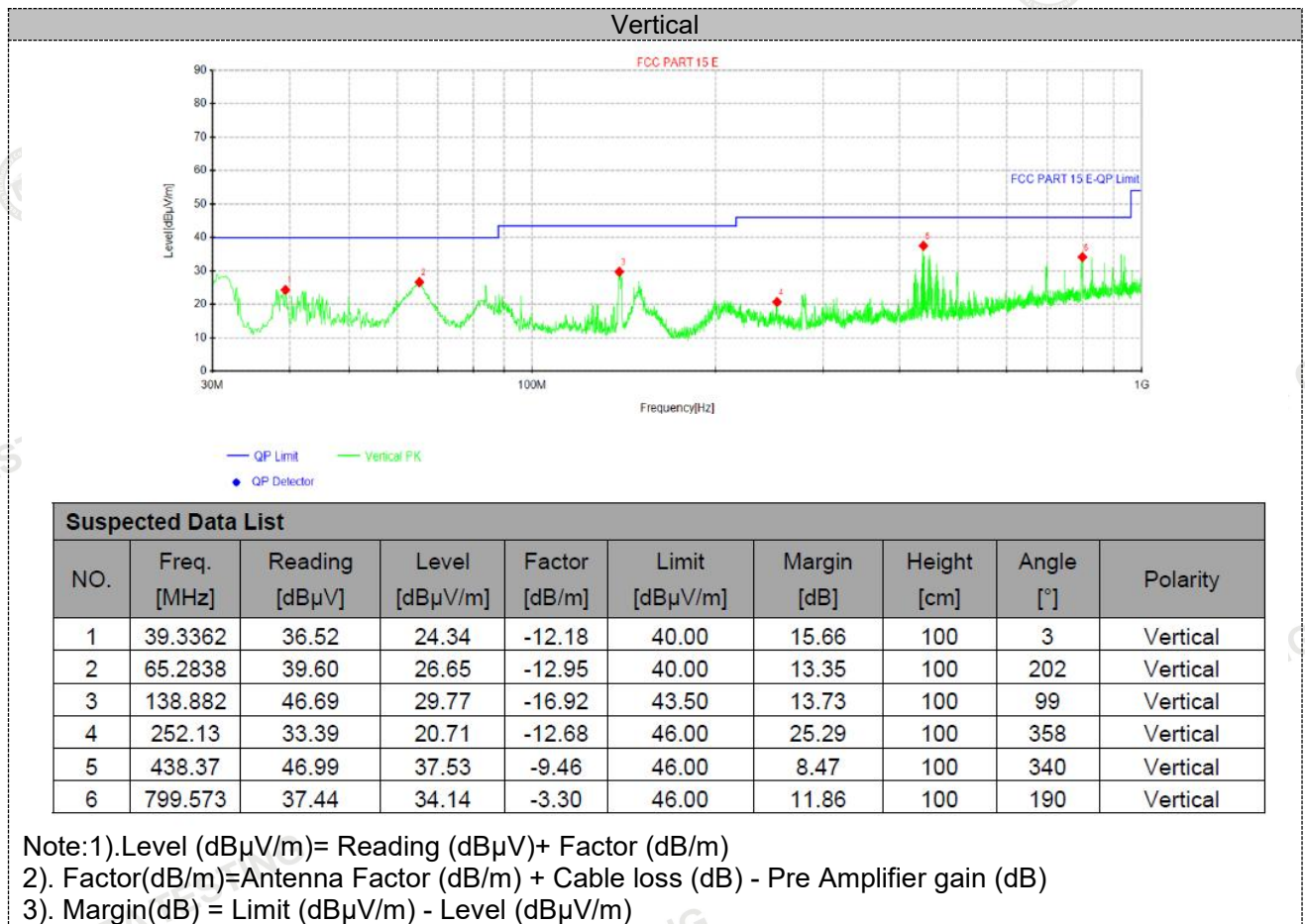




UNII-2C:

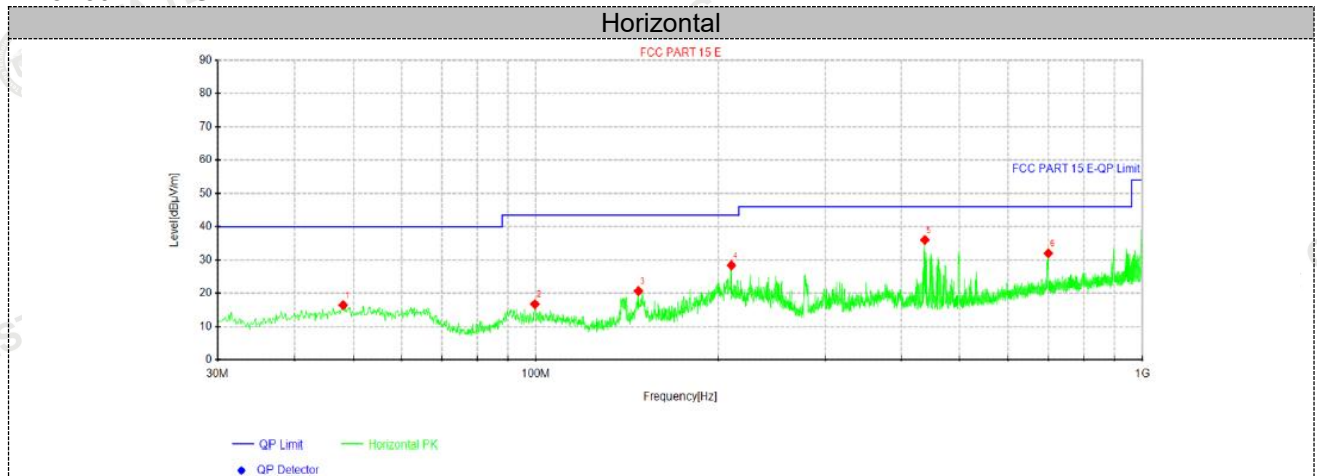
For 30MHz-1GHz





UNII-3:

For 30MHz-1GHz



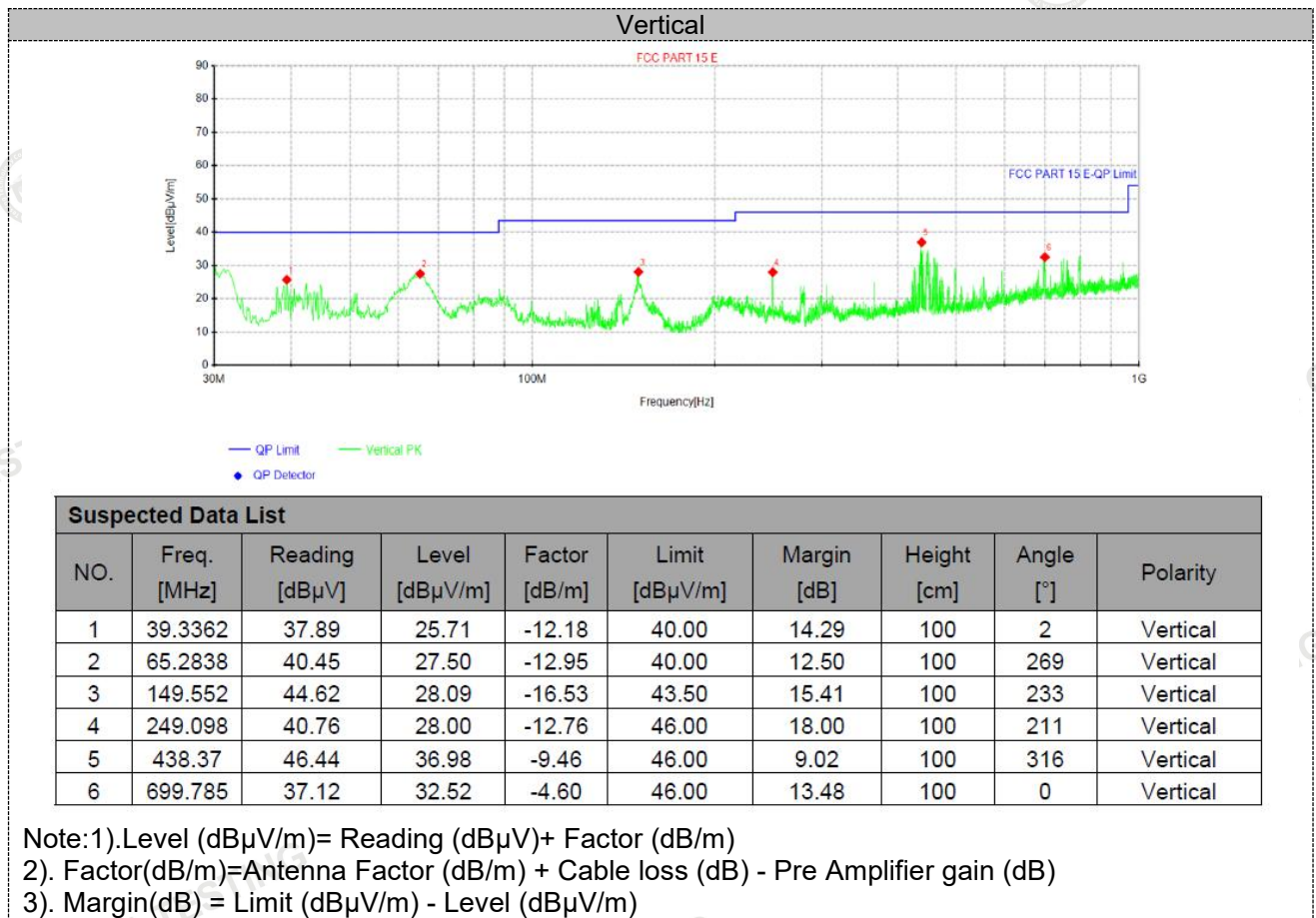
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.0662	27.04	16.46	-10.58	40.00	23.54	100	337	Horizontal
2	99.5975	29.54	16.76	-12.78	43.50	26.74	100	82	Horizontal
3	147.491	37.55	20.68	-16.87	43.50	22.82	100	314	Horizontal
4	210.056	42.09	28.40	-13.69	43.50	15.10	100	115	Horizontal
5	437.885	45.48	36.02	-9.46	46.00	9.98	100	353	Horizontal
6	699.785	36.62	32.02	-4.60	46.00	13.98	100	46	Horizontal

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

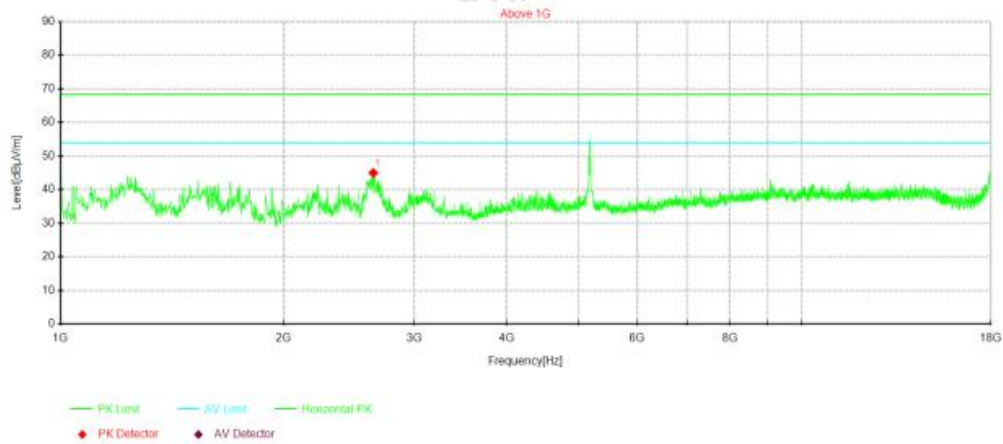
3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



For 1GHz to 40GHz
5180MHz

Horizontal

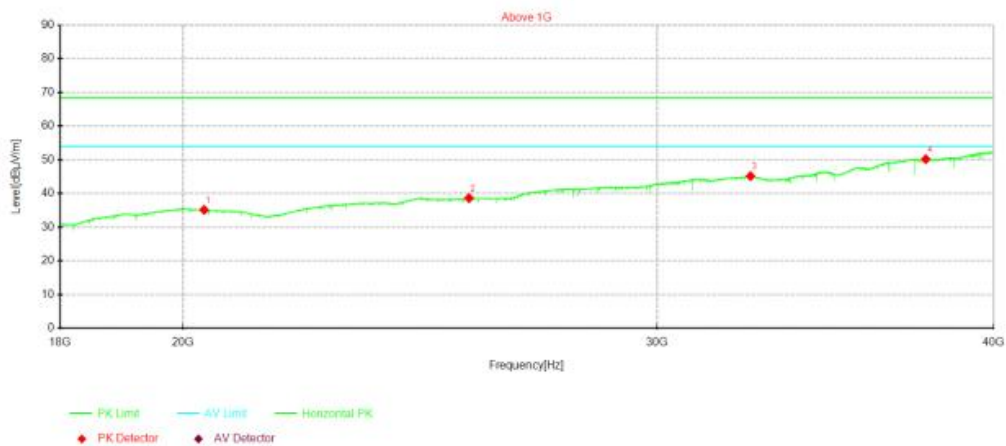
1-18GHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2642.36	65.58	44.96	-20.62	68.30	23.34	150	198	Horizontal
					54.00	9.04			Horizontal

18-40GHz



Suspected Data List

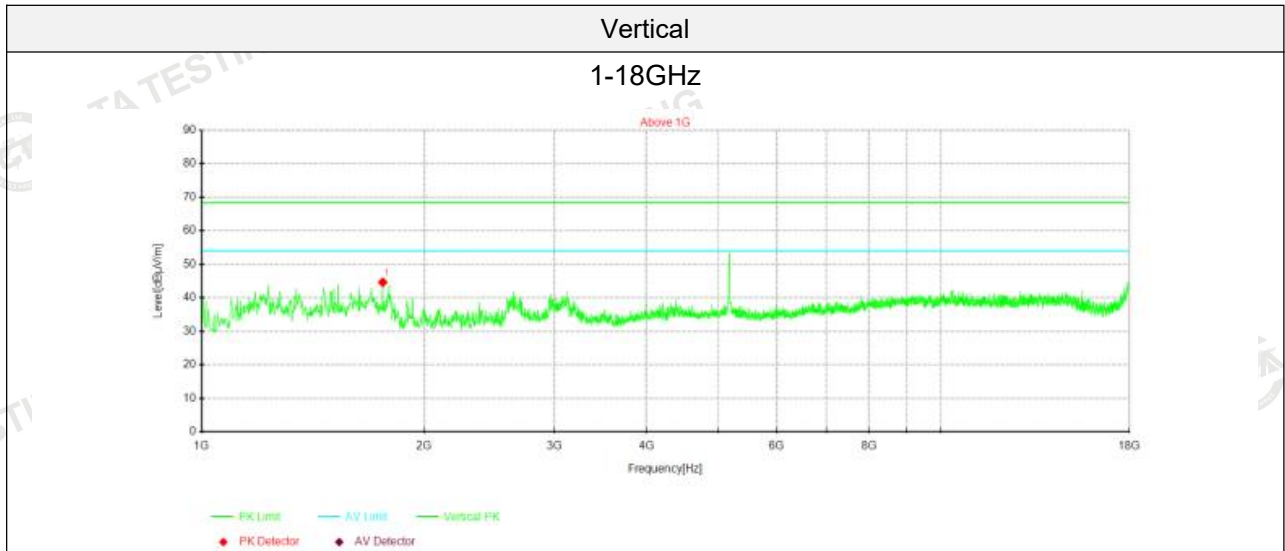
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20360.6	24.99	35.15	10.16	68.30	33.15	100	170	Horizontal
2	25539.4	24.99	38.64	13.65	68.30	29.66	100	280	Horizontal
3	32489.2	24.99	45.16	20.17	68.30	23.14	100	70	Horizontal
4	37742.8	25.00	50.21	25.21	68.30	18.09	100	320	Horizontal

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

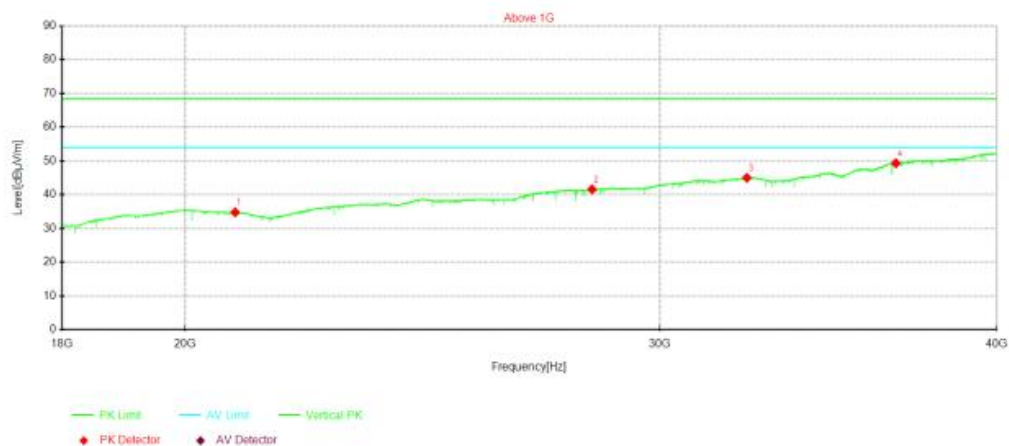
5180MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1758.27	69.05	44.64	-24.41	68.30	23.66	150	130	Vertical
					54.00	9.36			Vertical

18-40GHz



Suspected Data List

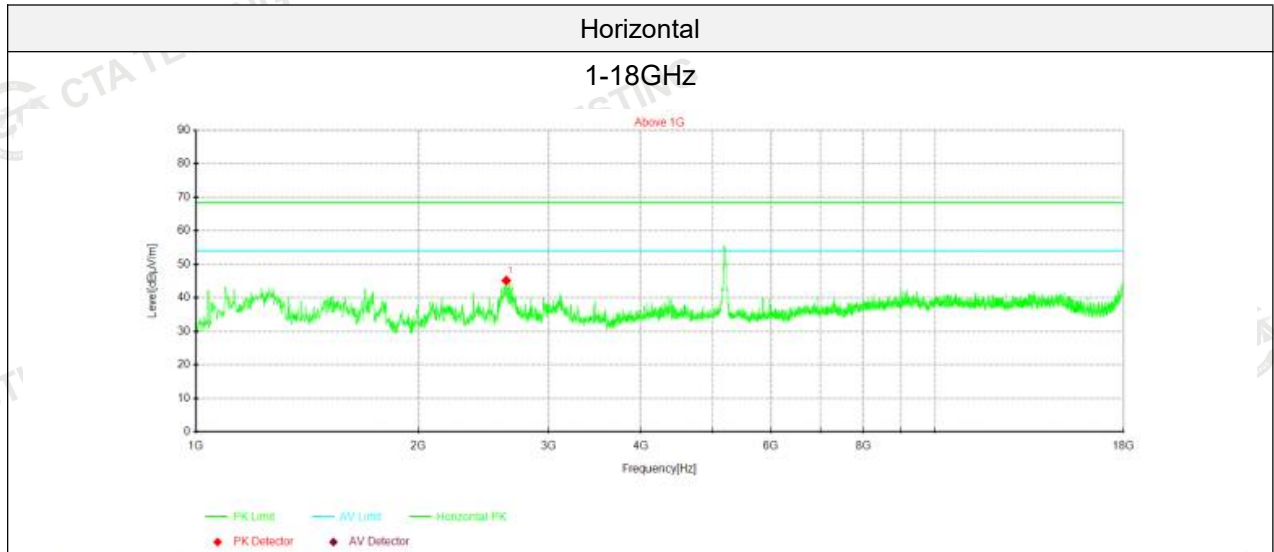
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20871	24.97	34.80	9.83	68.30	33.50	100	50	Vertical
2	28309.2	25.00	41.59	16.59	68.30	26.71	100	90	Vertical
3	32311	24.99	45.00	20.01	68.30	23.30	100	340	Vertical
4	36695.6	24.99	49.33	24.34	68.30	18.97	100	120	Vertical

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

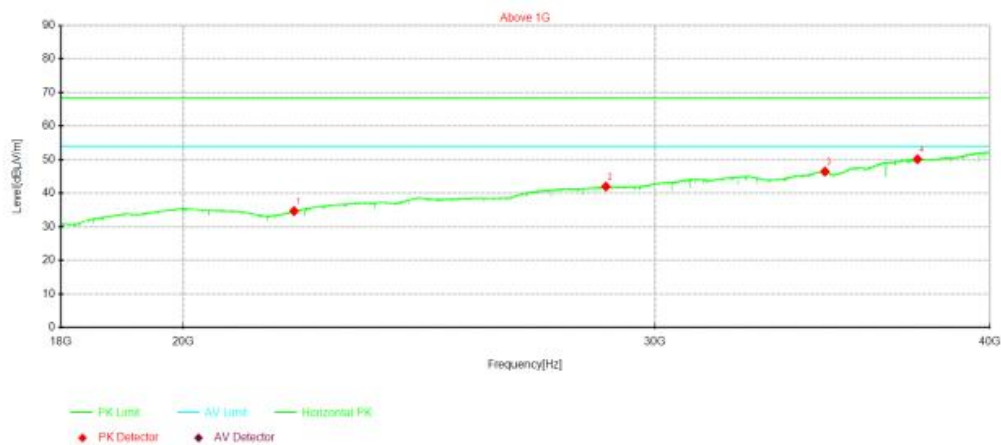
3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

5200MHz

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2630.46	65.78	45.13	-20.65	68.30	23.17	150	196	Horizontal
					54.00	8.87			Horizontal

18-40GHz

**Suspected Data List**

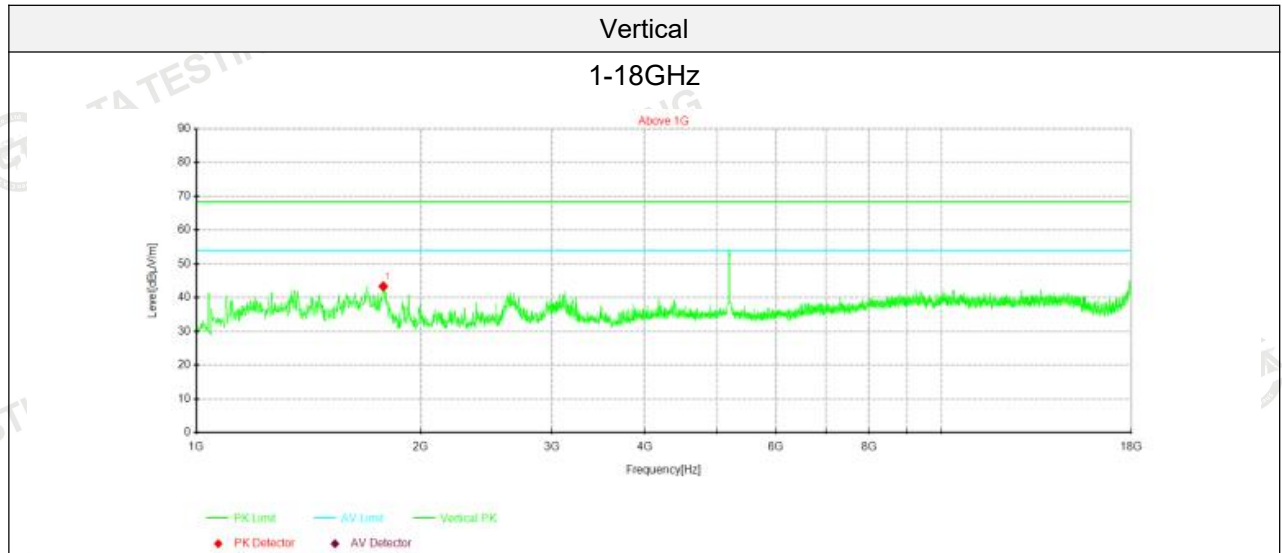
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	21995.2	24.93	34.70	9.77	68.30	33.60	100	300	Horizontal
2	28755.8	24.98	41.99	17.01	68.30	26.31	100	170	Horizontal
3	34711.2	24.99	46.46	21.47	68.30	21.84	100	40	Horizontal
4	37586.6	24.99	50.13	25.14	68.30	18.17	100	60	Horizontal

Note:1). Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

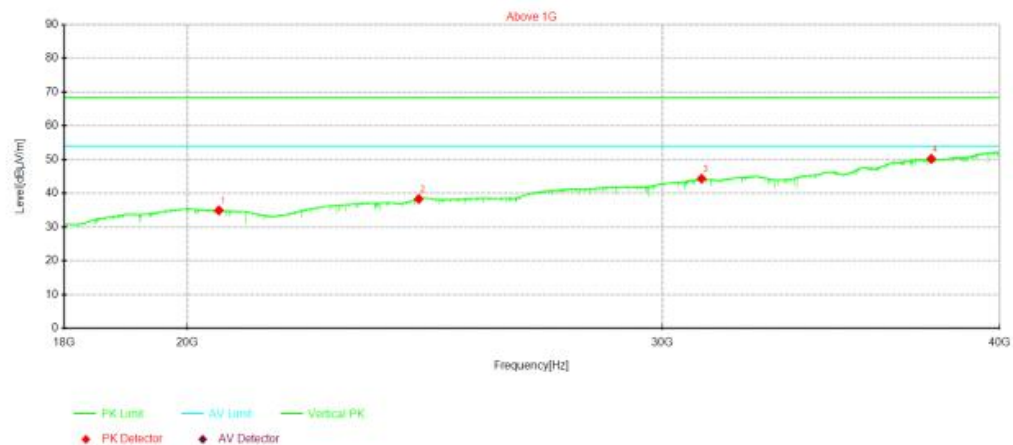
5200MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1782.07	67.64	43.34	-24.30	68.30	24.96	150	271	Vertical
					54.00	10.66			Vertical

18-40GHz



Suspected Data List

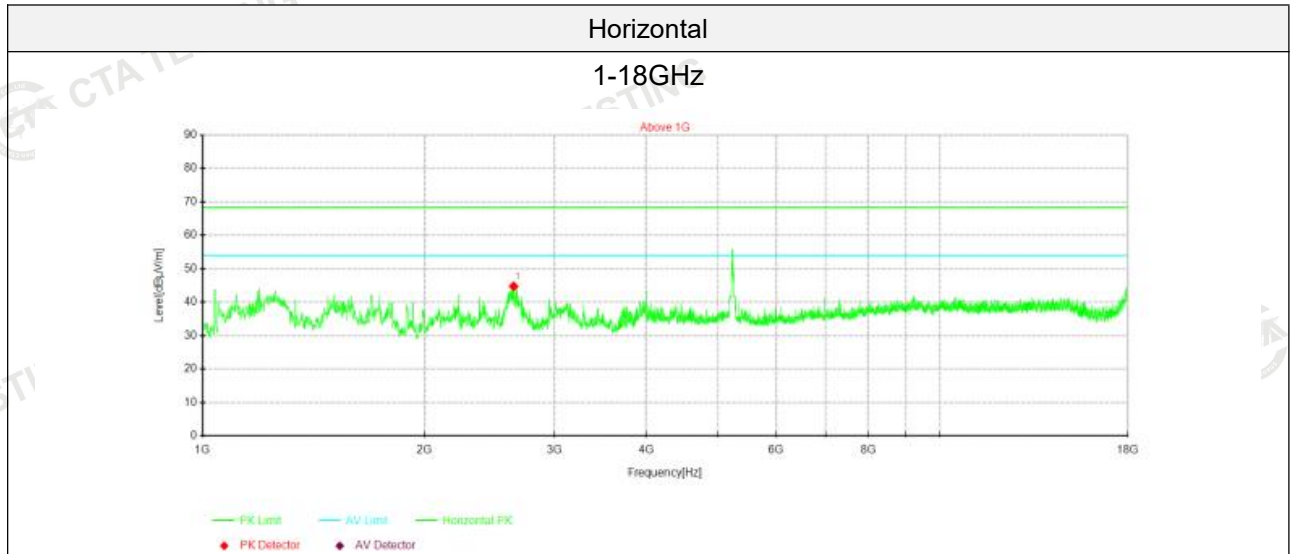
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20543.2	24.98	34.96	9.98	68.30	33.34	100	190	Vertical
2	24364.6	24.99	38.34	13.35	68.30	29.96	100	170	Vertical
3	31015.2	25.00	44.34	19.34	68.30	23.96	100	120	Vertical
4	37731.8	24.99	50.21	25.22	68.30	18.09	100	30	Vertical

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

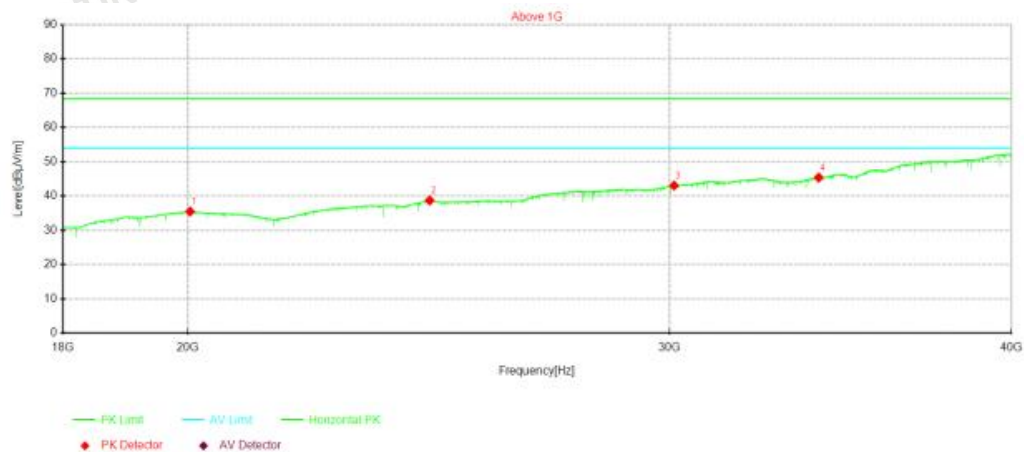
3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

5240MHz

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2642.36	65.34	44.72	-20.62	68.30	23.58	150	197	Horizontal
					54.00	9.28			Horizontal

18-40GHz

**Suspected Data List**

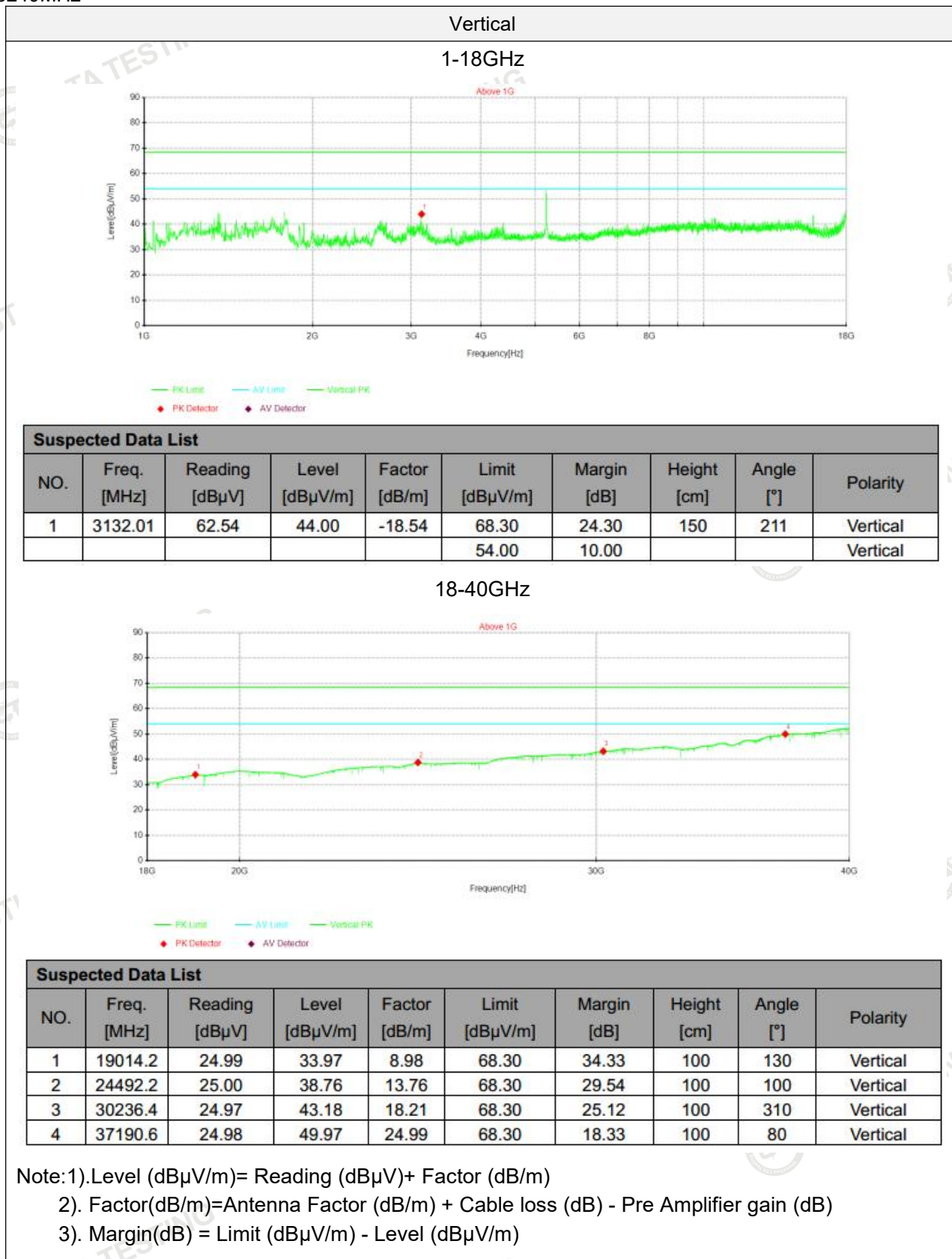
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20035	24.98	35.50	10.52	68.30	32.80	100	270	Horizontal
2	24512	24.95	38.73	13.78	68.30	29.57	100	190	Horizontal
3	30111	24.99	43.08	18.09	68.30	25.22	100	90	Horizontal
4	34009.4	24.99	45.41	20.42	68.30	22.89	100	100	Horizontal

Note:1).Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)

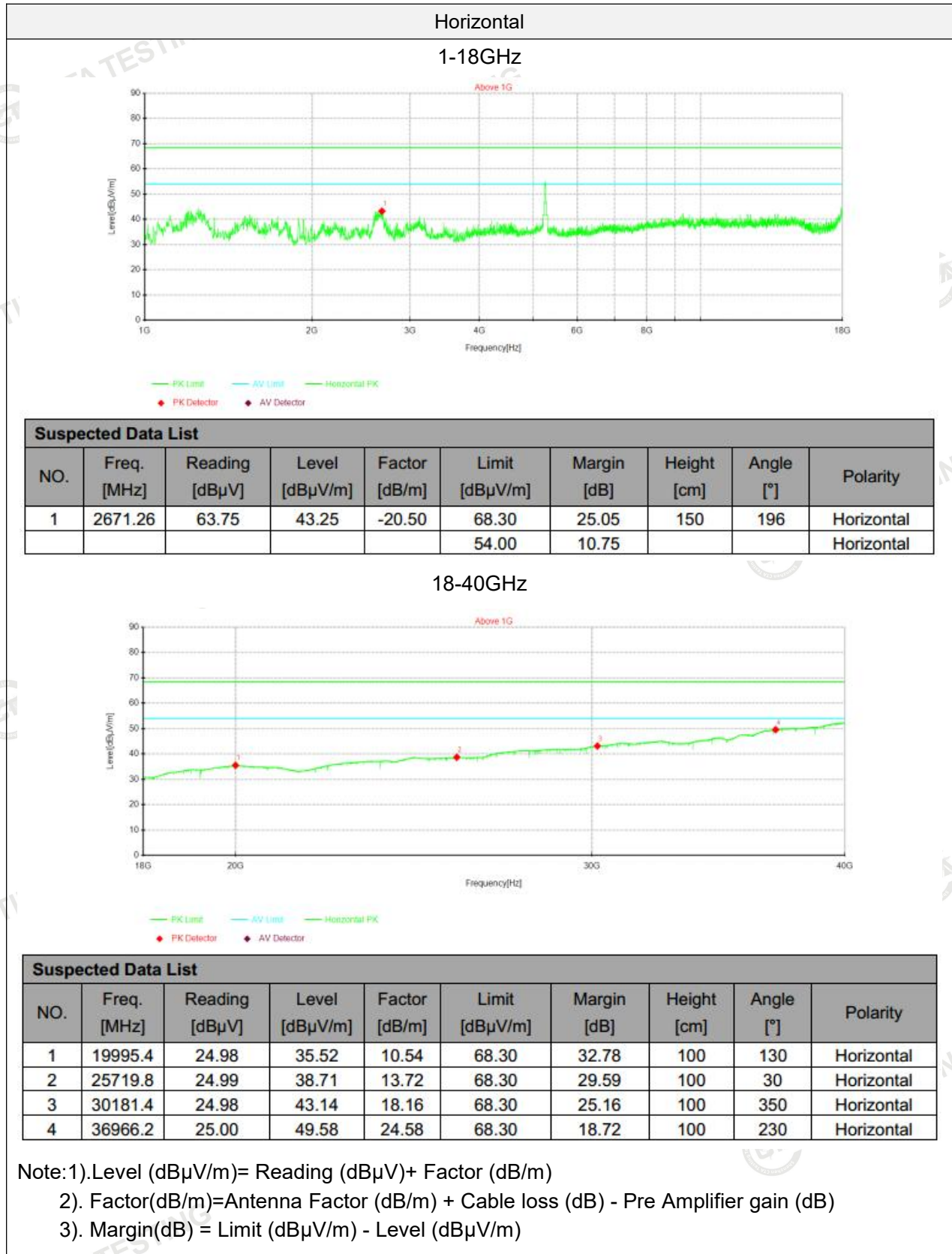
2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

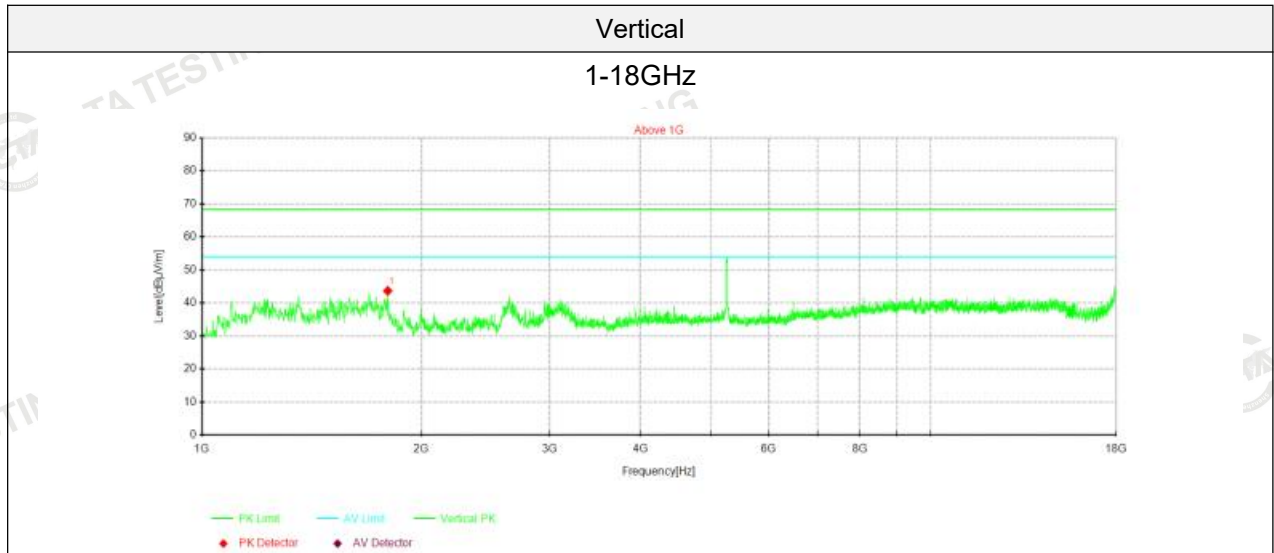
5240MHz



5260MHz



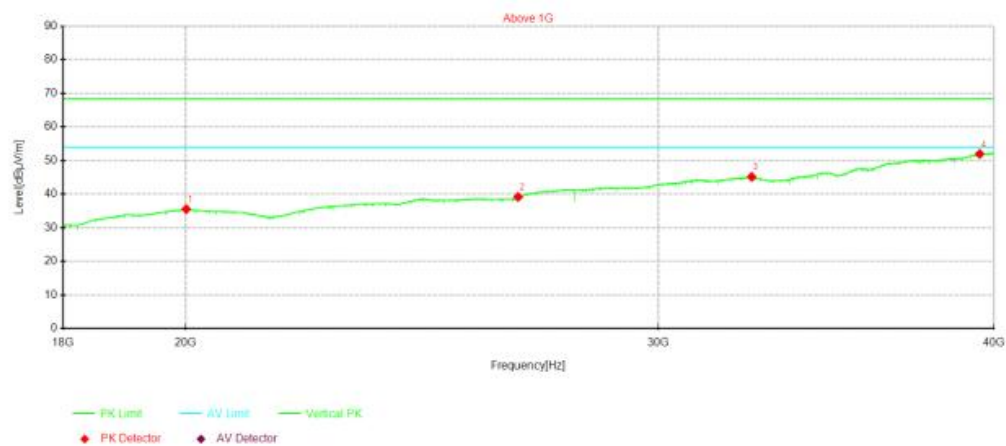
5260MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1799.07	67.89	43.67	-24.22	68.30	24.63	150	259	Vertical
					54.00	10.33			Vertical

18-40GHz



Suspected Data List

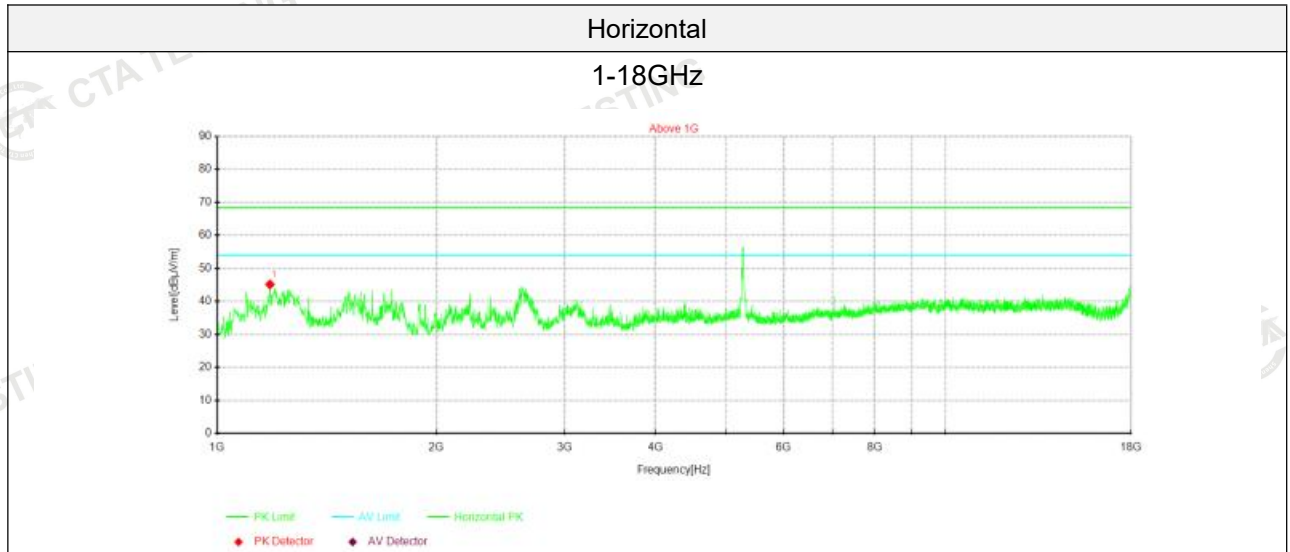
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20008.6	24.99	35.54	10.55	68.30	32.76	100	60	Vertical
2	26595.4	24.99	39.19	14.20	68.30	29.11	100	270	Vertical
3	32493.6	25.00	45.16	20.16	68.30	23.14	100	70	Vertical
4	39511.6	24.99	51.99	27.00	68.30	16.31	100	0	Vertical

Note:1).Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

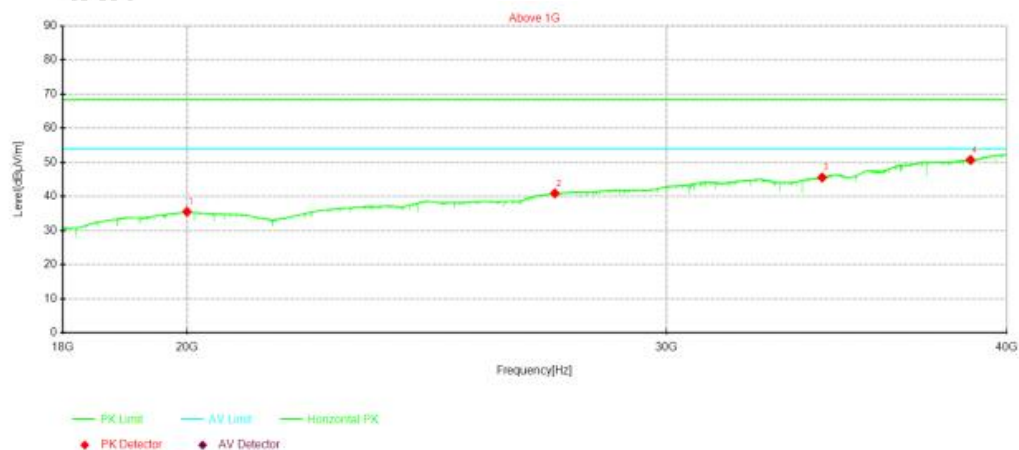
5280MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1181.91	70.64	45.14	-25.50	68.30	23.16	150	208	Horizontal
					54.00	8.86			Horizontal

18-40GHz



Suspected Data List

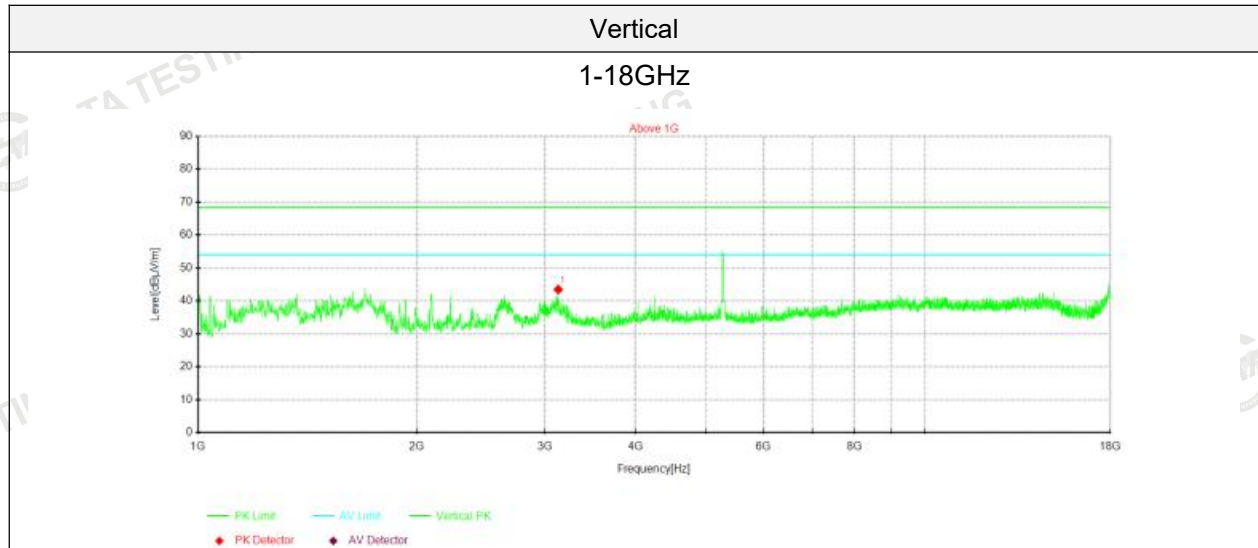
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19995.4	24.98	35.52	10.54	68.30	32.78	100	90	Horizontal
2	27292.8	24.98	40.90	15.92	68.30	27.40	100	330	Horizontal
3	34216.2	24.99	45.57	20.58	68.30	22.73	100	70	Horizontal
4	38790	24.99	50.71	25.72	68.30	17.59	100	20	Horizontal

Note:1).Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

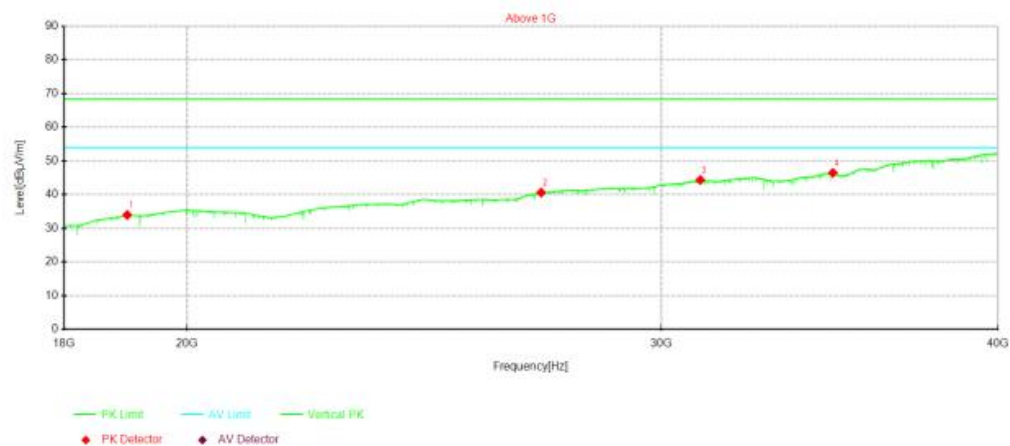
5280MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3130.31	62.01	43.46	-18.55	68.30	24.84	150	211	Vertical
					54.00	10.54			Vertical

18-40GHz



Suspected Data List

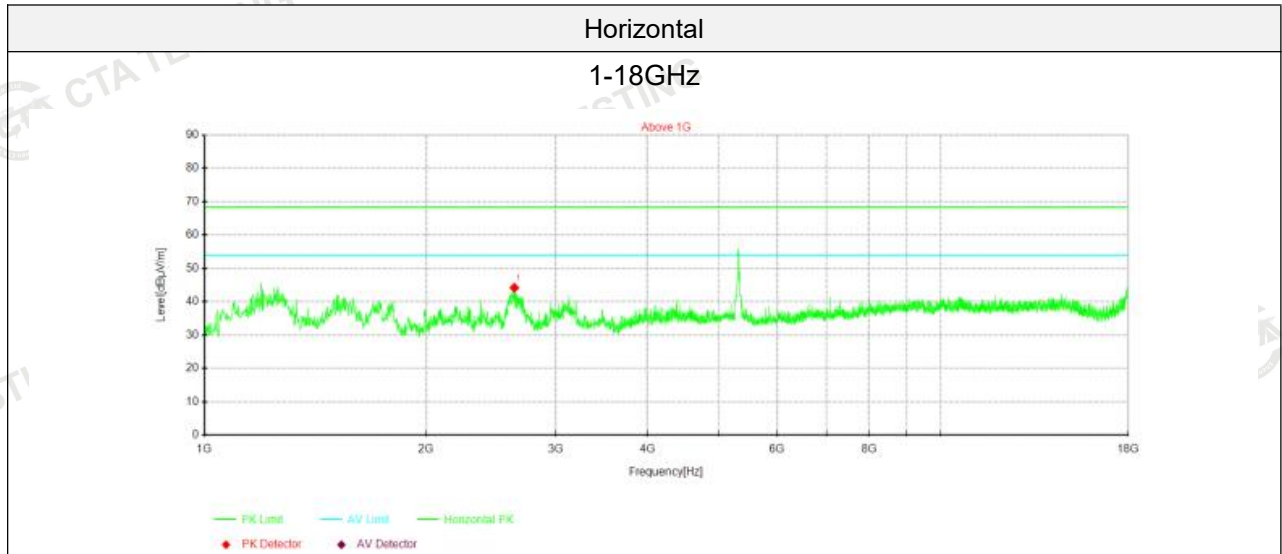
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19001	24.97	33.96	8.99	68.30	34.34	100	300	Vertical
2	27068.4	24.99	40.62	15.63	68.30	27.68	100	170	Vertical
3	31010.8	24.99	44.34	19.35	68.30	23.96	100	270	Vertical
4	34733.2	24.98	46.46	21.48	68.30	21.84	100	220	Vertical

Note:1).Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

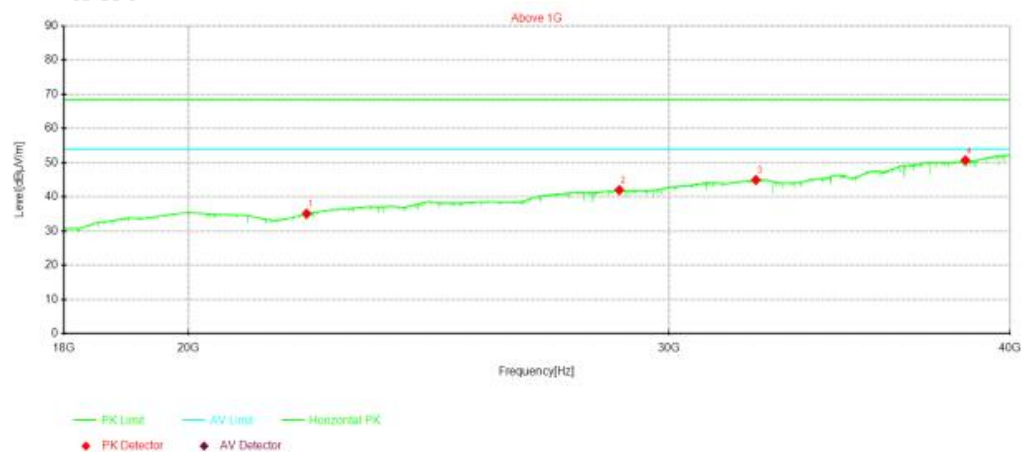
3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

5320MHz

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2637.26	64.82	44.18	-20.64	68.30	24.12	150	196	Horizontal
					54.00	9.82			Horizontal

18-40GHz

**Suspected Data List**

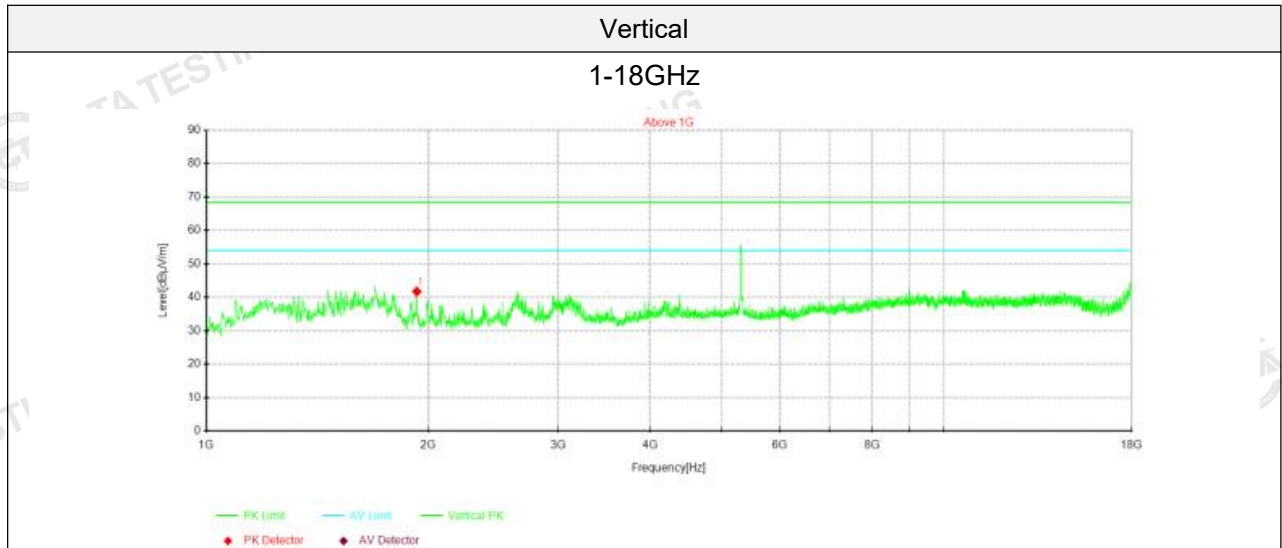
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	22094.2	25.00	35.11	10.11	68.30	33.19	100	350	Horizontal
2	28764.6	24.99	41.99	17.00	68.30	26.31	100	350	Horizontal
3	32278	24.99	44.97	19.98	68.30	23.33	100	130	Horizontal
4	38519.4	24.98	50.69	25.71	68.30	17.61	100	60	Horizontal

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

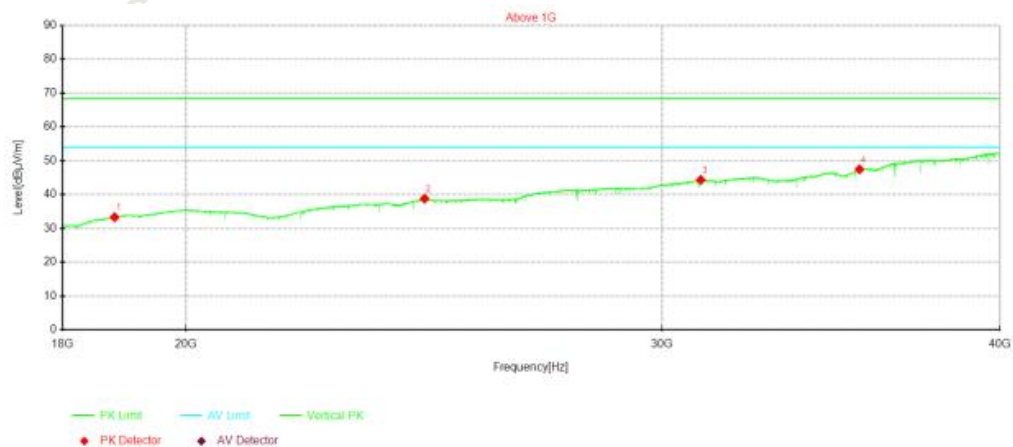
5320MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1929.99	65.22	41.73	-23.49	68.30	26.57	150	234	Vertical
					54.00	12.27			Vertical

18-40GHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18818.4	24.96	33.34	8.38	68.30	34.96	100	100	Vertical
2	24503.2	24.99	38.78	13.79	68.30	29.52	100	320	Vertical
3	31002	24.99	44.35	19.36	68.30	23.95	100	210	Vertical
4	35487.8	24.99	47.46	22.47	68.30	20.84	100	210	Vertical

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

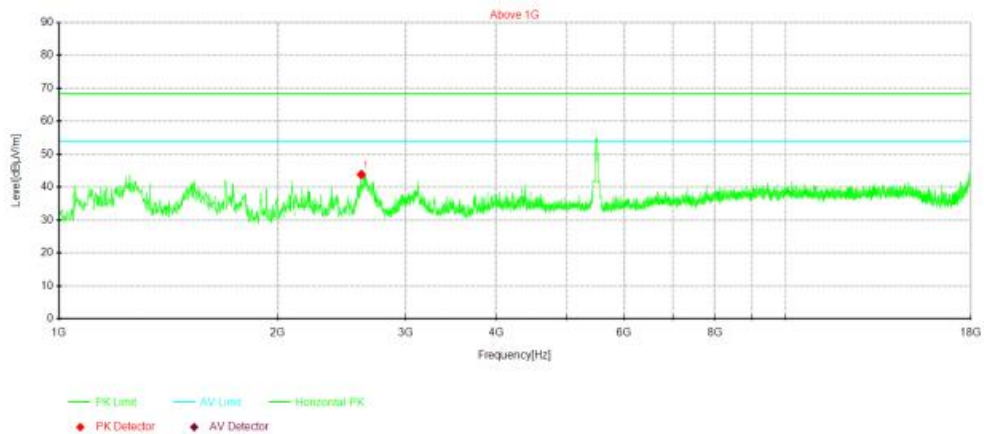
2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

5500MHz

Horizontal

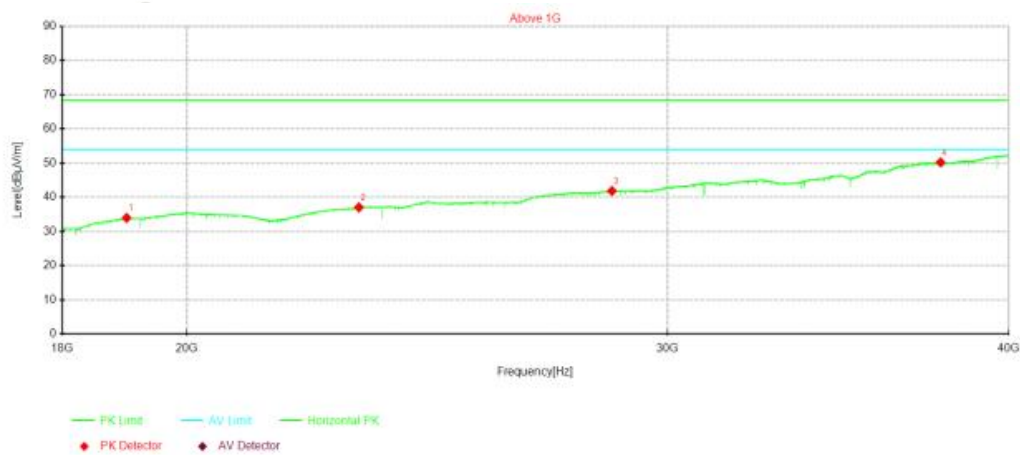
1-18GHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2608.36	64.52	43.82	-20.70	68.30	24.48	150	185	Horizontal
					54.00	10.18			Horizontal

18-40GHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19007.6	24.98	33.96	8.98	68.30	34.34	100	330	Horizontal
2	23121.6	24.99	37.05	12.06	68.30	31.25	100	100	Horizontal
3	28621.6	24.96	41.85	16.89	68.30	26.45	100	340	Horizontal
4	37762.6	25.00	50.21	25.21	68.30	18.09	100	160	Horizontal

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

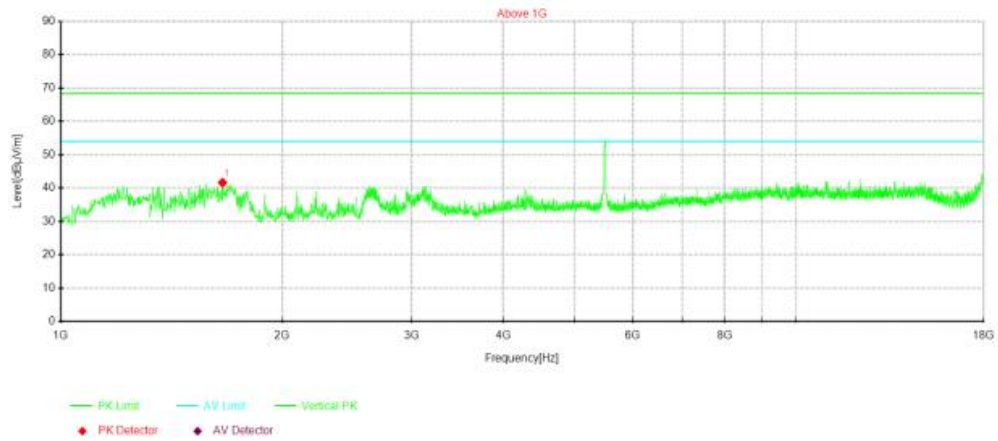
2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

5500MHz

Vertical

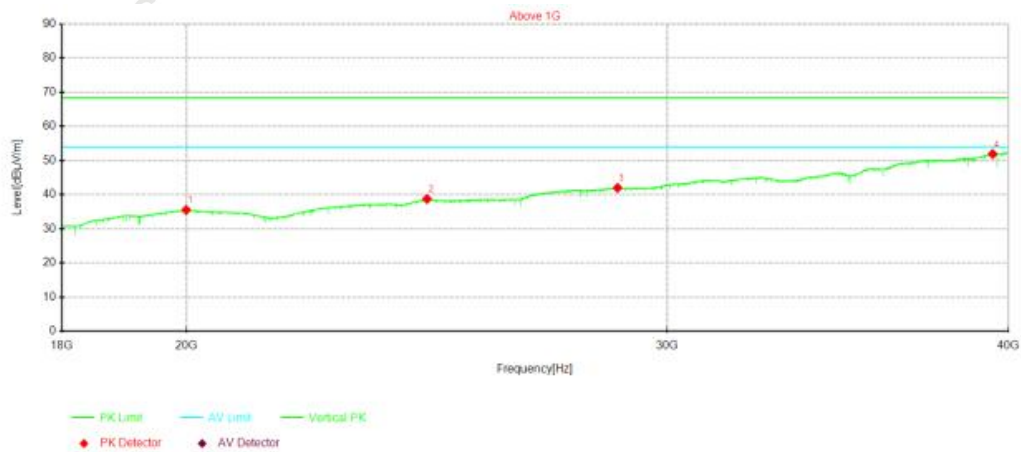
1-18GHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1659.66	66.16	41.64	-24.52	68.30	26.66	150	211	Vertical
					54.00	12.36			Vertical

18-40GHz



Suspected Data List

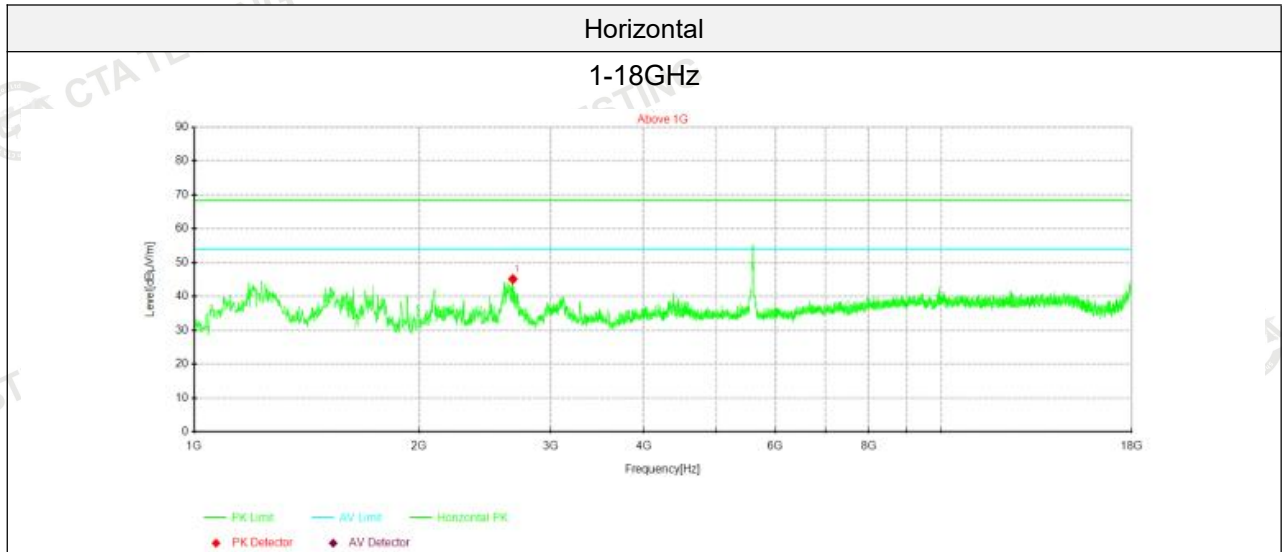
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19991	24.99	35.53	10.54	68.30	32.77	100	110	Vertical
2	24494.4	24.95	38.73	13.78	68.30	29.57	100	320	Vertical
3	28764.6	24.99	41.99	17.00	68.30	26.31	100	280	Vertical
4	39469.8	24.98	51.92	26.94	68.30	16.38	100	80	Vertical

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

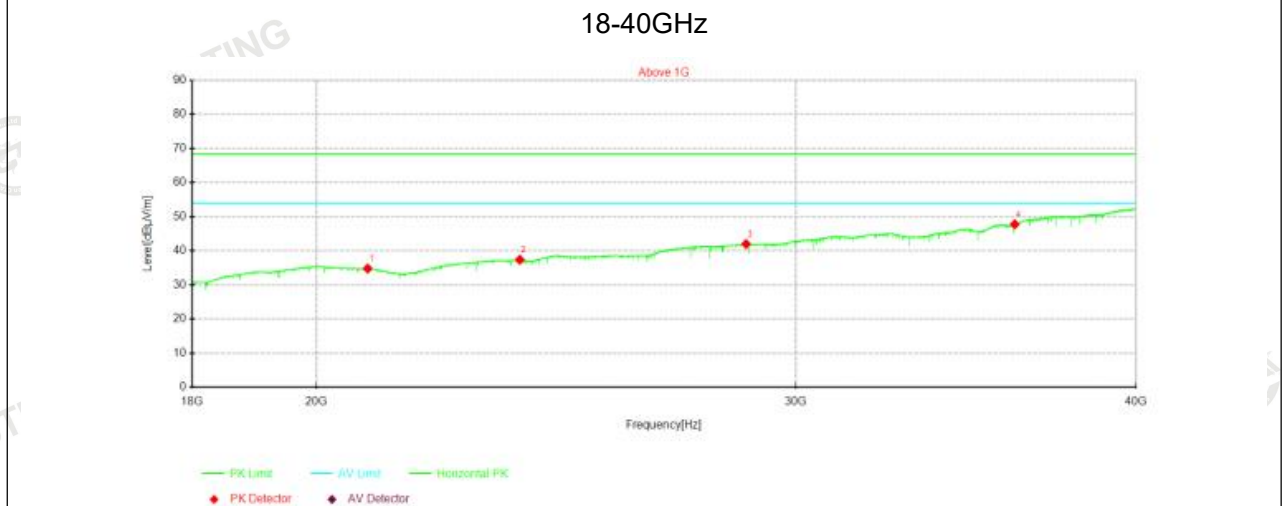
3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

5580MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2671.26	65.62	45.12	-20.50	68.30	23.18	150	196	Horizontal
					54.00	8.88			Horizontal



Suspected Data List

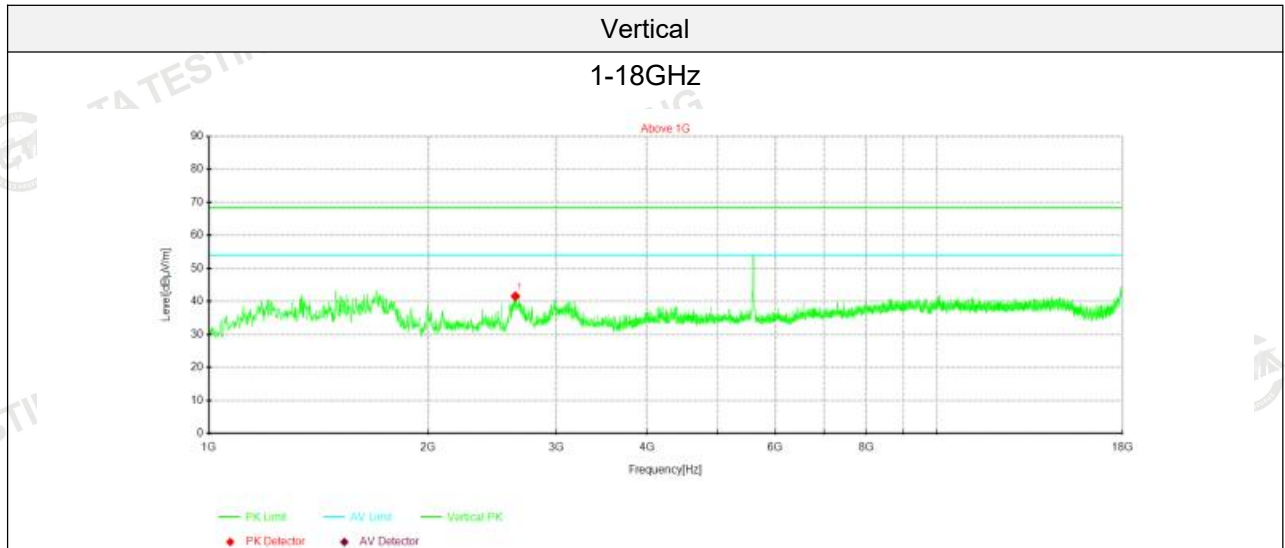
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20884.2	24.98	34.80	9.82	68.30	33.50	100	30	Horizontal
2	23750.8	24.99	37.39	12.40	68.30	30.91	100	20	Horizontal
3	28760.2	24.99	41.99	17.00	68.30	26.31	100	230	Horizontal
4	36097.2	24.97	47.76	22.79	68.30	20.54	100	210	Horizontal

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

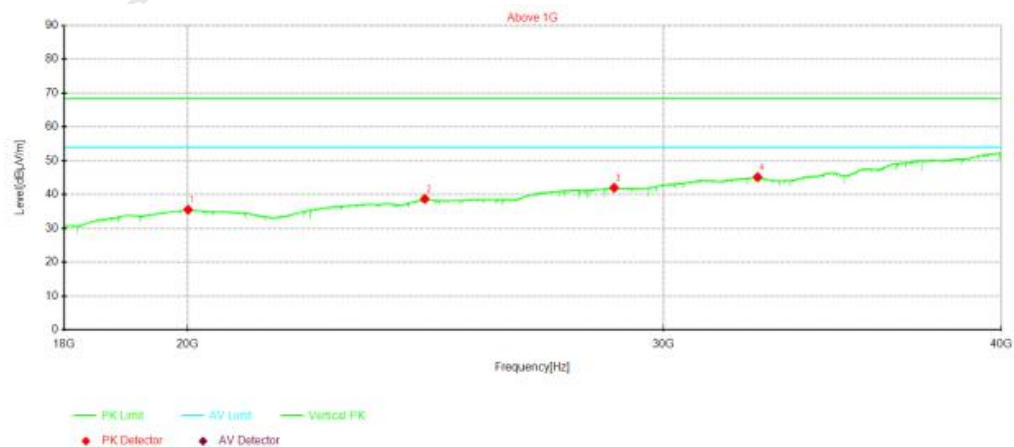
5580MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2637.26	62.19	41.55	-20.64	68.30	26.75	150	224	Vertical
					54.00	12.45			Vertical

18-40GHz



Suspected Data List

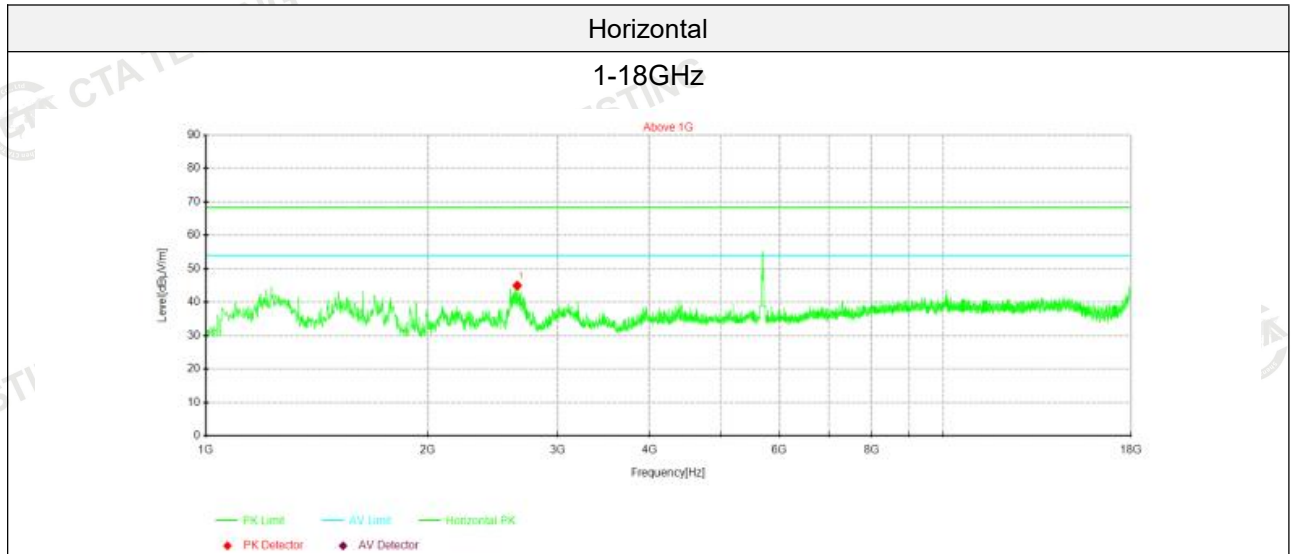
NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20006.4	24.98	35.53	10.55	68.30	32.77	100	40	Vertical
2	24476.8	25.00	38.71	13.71	68.30	29.59	100	210	Vertical
3	28760.2	25.00	42.00	17.00	68.30	26.30	100	350	Vertical
4	32500.2	24.98	45.16	20.18	68.30	23.14	100	320	Vertical

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

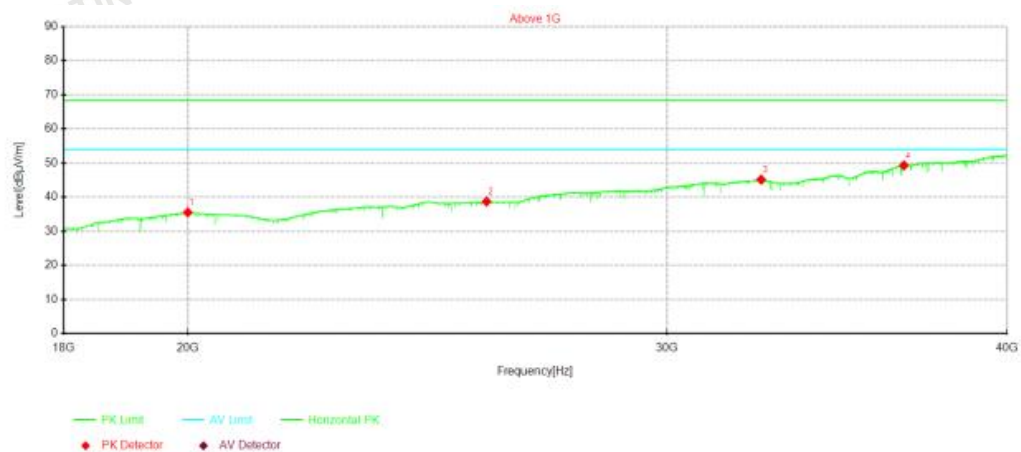
5700MHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2645.76	65.58	44.97	-20.61	68.30	23.33	150	195	Horizontal
					54.00	9.03			Horizontal

18-40GHz



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19995.4	25.00	35.54	10.54	68.30	32.76	100	70	Horizontal
2	25748.4	24.99	38.72	13.73	68.30	29.58	100	50	Horizontal
3	32482.6	24.99	45.15	20.16	68.30	23.15	100	60	Horizontal
4	36653.8	24.99	49.31	24.32	68.30	18.99	100	240	Horizontal

Note:1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

5700MHz

