

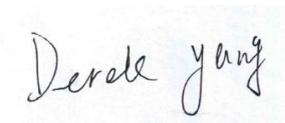
# TEST REPORT

**Application No.:** ZR/2019/A0026  
**Applicant:** Lenovo(Shanghai) Electronics Technology Co., Ltd.  
**Address of Applicant** Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone  
**Manufacturer:** Lenovo PC HK Limited  
**Address of Manufacturer** 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong P.R.China  
**Factory:** MOTOROLA (WUHAN) MOBILITY TECHNOLOGIES COMMUNICATION CO. LTD.  
**Address of Factory** 19 GAOXIN 4TH RD, EAST LAKE HIGH TECH ZONE, WUHAN HUBEI CHINA  
**EUT Description:** Portable Tablet Computer  
**Model No.:** Lenovo TB-X606F  
**Trade Mark:** Lenovo  
**FCC ID:** O57TBX606F  
**Standard(s) :** 47 CFR Part 15, Subpart B/ ICES-003:Issue 6  
**Date of Receipt:** 2019/11/9  
**Date of Test:** 2019/11/10 to 2019/11/21  
**Date of Issue:** 2021/8/15

<b>Test Result:</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Derek Yang

Wireless Laboratory Manager

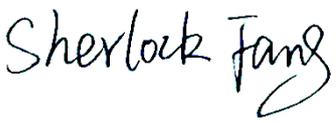


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<b>Revision Record</b>				
<b>Version</b>	<b>Chapter</b>	<b>Date</b>	<b>Modifier</b>	<b>Remark</b>
00		2019/12/11		Original
01		2021/6/15	Sherlock Fang	1.Add test site Information 2. Modify data conversion error of antenna height 3.Update equipment list
02		2021/8/15	Sherlock Fang	Updated Support Units, Test facility and Test Location

\*This report supersedes our previous report ZR/2019/A002605, issued on 2019-12-11, which is hereby deemed null and void.

<b>Authorized for issue by:</b>	
<b>Prepared By</b>	 <hr/> <b>(Sherlock Fang) / Engineer</b>
<b>Checked By</b>	 <hr/> <b>(Jim Huang) / Reviewer</b>



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## 2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B ICES-003:Issue 6	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B ICES-003:Issue 6	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (above 1GHz)	47 CFR Part 15, Subpart B ICES-003:Issue 6	ANSI C63.4:2014	Class B	Pass

Internal Source	Upper Frequency
Below 1.705MHz	30MHz
1.705MHz to 108MHz	1GHz
108MHz to 500MHz	2GHz
500MHz to 1GHz	5GHz
Above 1GHz	5th harmonic of the highest frequency or 40GHz, whichever is lower





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## 4 General Information

### 4.1 Details of E.U.T.

Power Supply:	DC 3.86V from internal rechargeable battery or from AC/DC adapter Model No.: SC-41 AC Input: 100-240V 50/60Hz 0.3A DC Output: DC 5V 2A
Cable:	USB cable: 100cm shielded

Battery			
Battery1	Lenovo(SCUD)	L19D1P32	3.86V; 5000mAh/19.3Wh/1cell
Battery2	Lenovo(ATL)	L19D1P32	3.86V; 5000mAh/19.3Wh/1cell
USB Cable			
USB Cable1	Lenovo(LiQi)	-	1.0m shielded cable without core
USB Cable2	Lenovo(Saibao)	-	1.0m shielded cable without core
Adapter			
Adapter1 (US)	Lenovo(Salom)	SC-41	I/P: 100-240 Vac, 300mA ,50/60HZ O/P: 5Vdc 2000mA
Adapter2 (US)	Lenovo(Acbel)	SC-41	I/P: 100-240 Vac, 300mA ,50/60HZ O/P: 5Vdc 2000mA
Smart Charging Station			
Smart Charging Station1	Lenovo	Lenovo CD-100	I/P: 5Vdc 2000mA O/P: 5Vdc 2000mA





**EUT List For Lenovo TB-X606F**

Material description	Model	Supplier	Model	Supplier
-	EUT1		EUT2	
-	SKU1(Main Supply 4+64G)		SKU3(Second Supply 2+32G)	
LPDDR4X Emcp	MT29VZZAD8DQKSL-046 W.9K8	Micron	32EMCP16-ML4ATB29-A91	Kingston
PCB	Aed8c	Red Board	Aed8c	Red Board
LCM	TV103WUM-LL0	BOE	TV103WUM-LL0	BOE
Front camera	L5035F00	ofilm	L5035F00	ofilm
Rear camera	L4H7A00	ofilm	F4H7YAZ	Qtech
Battery	L16D2P32	ATL	L16D2P32	ATL
speakerBox1	QM171224CW03	Qisheng	XHB171225B08-08-B1F-RH	Haosheng
speakerBox2	QM171224CW06	Qisheng	XHB171225B08-09-B-RH	Haosheng
Moto	LC-BX29	AWA	C1027L-066312058-4168B	LINGLONG
-	EUT3		EUT4	
-	SKU4(Second Supply 4+128G)		SKU2(Second Supply 4+64G)	
LPDDR4X Emcp	MT29VZZAD9DQKSM-046 W.9K9	Samsung	KMDP6001DA-B425	Samsung
PCB	Aed8c	Yuehu	Aed8c	Yuehu
LCM	TV103WUM-LL1	BOE	TV103WUM-LL1	BOE
Front camera	KAG6B5FF	Kingcome	KAG6B5FF	Kingcome
Rear camera	F4H7YAZ	Qtech	F4H7YAZ	Qtech
Battery	L16D2P32	SCUD	L16D2P32	SCUD
speakerBox1	QM171224CW03	Qisheng	XHB171225B08-08-B1F-RH	Haosheng
speakerBox2	QM171224CW06	Qisheng	XHB171225B08-09-B-RH	Haosheng
Moto	LC-BX29	AWA	C1027L-066312058-4168B	LINGLONG
Material description	Model	Supplier	Model	Supplier
-	EUT5		EUT6	
-	SKU5(Main Supply 4+128G)		(Second Supply 3+32G)	
LPDDR4X Emcp	KMDV6001DM-B620	Samsung	H9HP27ADAMADAR-KMM	Hynix
PCB	Aed8c	Yuehu	Aed8c	Red Board
LCM	TV103WUM-LL1	BOE	TV103WUM-LL0	BOE
Front camera	KAG6B5FF	Kingcome	L5035F00	ofilm



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<b>Rear camera</b>	L4H7A00	ofilm	L4H7A00	ofilm
<b>Battery</b>	L16D2P32	SCUD	L16D2P32	ATL
<b>speakerBox1</b>	QM171224CW03	Qisheng	QM171224CW03	Qisheng
<b>speakerBox2</b>	QM171224CW06	Qisheng	QM171224CW06	Qisheng
<b>Moto</b>	LC-BX29	AWA	LC-BX29	AWA

According to difference material combination and pre-test, EUT1 is selected for main testing, others for spot check, only EUT1~EUT4 show in reports.

#### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Router	NETGEAR	R6020	No.XA1401
Computer	Lenovo	L480	No.XA1402
Mouse	A4TECH	OP-520NU USB	No.XA1403

#### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (Below 1GHz)
		± 4.8dB (1GHz to 6GHz)
		± 4.5dB (6GHz to 18GHz)
		± 5.02dB (Above 18GHz)

#### 4.4 Test Location

Company:	SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.
Address:	1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China
Post code:	710086
Test engineer:	Ben Huang, Leah Chen



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#### 4.5 Test Facility

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

- **A2LA (Certificate No. 4854.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

- **FCC –Designation Number: CN1271.**

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
Radio communication analyzer	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2019-06-27	2020-06-26
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2019-09-07	2020-09-06
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2019-07-16	2020-07-15
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2018-12-20	2019-12-19
Measurement Software	Tonscend	TS+ CE V2.5	XAW02-05-02	NCR	NCR

RE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2019-06-27	2020-06-26
Radio communication analyzer	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2019-06-27	2020-06-26
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2019-09-07	2020-09-06
Receiving antenna (30MHz-3GHz)	Schwarzbeck	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12
Receiving antenna (1GHz~18GHz)	Schwarzbeck	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12
Receiving antenna (15GHz~40GHz)	Schwarzbeck	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2018-12-10	2019-12-09
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2018-12-10	2019-12-09
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2018-12-10	2019-12-09
Amplifier	Shanghai Steed	YX28980930	XAW01-41-06	2018-12-10	2019-12-09
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2018-12-20	2019-12-19
Measurement Software	Tonscend	TS+ RE V3.0.0.2	XAW02-05-01	NCR	NCR



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## 6 Emission Test Results

### 6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart B  
 Test Method: ANSI C63.4:2014  
 Frequency Range: 150kHz to 30MHz  
 Limit:  
 0.15M-0.5MHz 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average  
 0.5M-5MHz 56dB(μV) quasi-peak, 46dB(μV) average  
 5M-30MHz 60dB(μV) quasi-peak, 50dB(μV) average  
 Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz  
 Date of Test 2019.11.18-2019.11.21

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 20.4 °C Humidity: 51.6 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+USB cable1
- b: Transfer data between the EUT1 and the PC+USB cable2
- c: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Cable(Worst)+adapter1
- d: BT+WLAN+GPS Rx+camera (Front)+earphone+EUT1+Cable(Worst)+adapter2
- e: BT+WLAN+GPS Rx+camera (Back)+earphone+EUT1+Cable(Worst)+adapter(worst)
- f: BT+FM+WLAN+GPS Rx+earphone+EUT1+Cable(Worst)+adapter(worst)
- g: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Smart charging station
- i: Worst mode+EUT2+adapter(Worst)
- j: Worst mode+EUT3+adapter(Worst)
- k: Worst mode+EUT4+adapter(Worst)

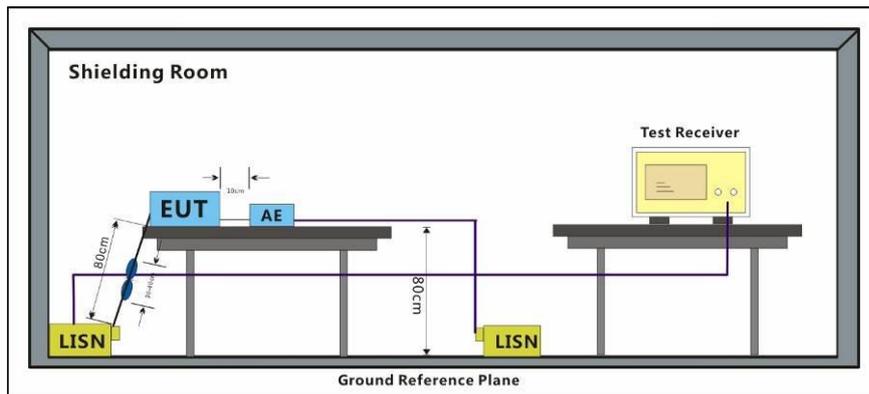
The worst case for final test:

- a: Transfer data between the EUT1 and the PC+USB cable1
- b: Transfer data between the EUT1 and the PC+USB cable2
- c: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Cable1+adapter1
- d: BT+WLAN+GPS Rx+camera (Front)+earphone+EUT1+Cable1+adapter2
- e: BT+WLAN+GPS Rx+camera (Back)+earphone+EUT1+Cable1+adapter2
- f: BT+FM+WLAN+GPS Rx+earphone+EUT1+Cable1+adapter2
- g: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Smart charging station
- i: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone +EUT2+adapter2
- j: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone +EUT3+adapter2
- k: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone +EUT4+adapter2



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**6.1.2 Test Setup Diagram**



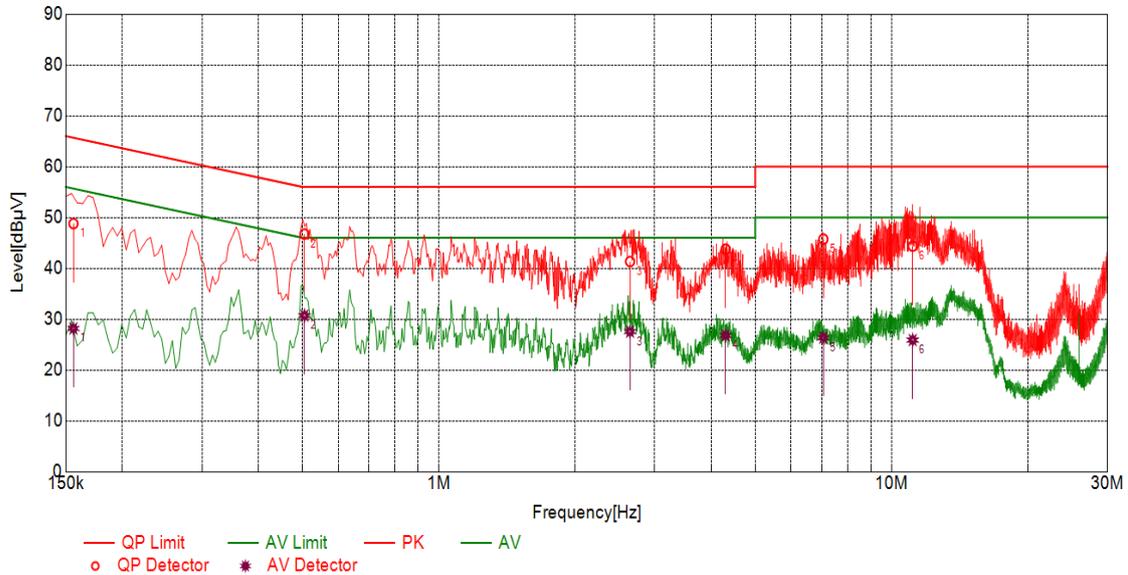
**6.1.3 Measurement Data**

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



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Mode:d; Line:Live Line



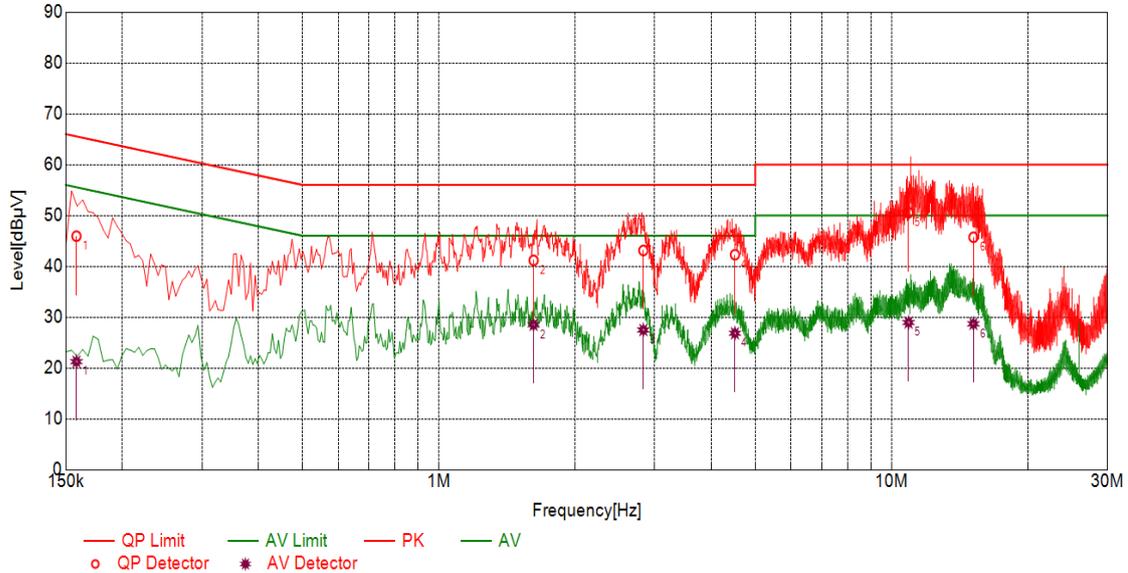
**Final Data List**

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1560	10.10	48.80	65.67	16.87	28.17	55.67	27.50	L
2	0.5050	10.10	46.74	56.00	9.26	30.71	46.00	15.29	L
3	2.6447	10.10	41.35	56.00	14.65	27.55	46.00	18.45	L
4	4.3005	10.10	43.77	56.00	12.23	26.80	46.00	19.20	L
5	7.0671	10.10	45.74	60.00	14.26	26.35	50.00	23.65	L
6	11.1323	10.10	44.38	60.00	15.62	25.89	50.00	24.11	L



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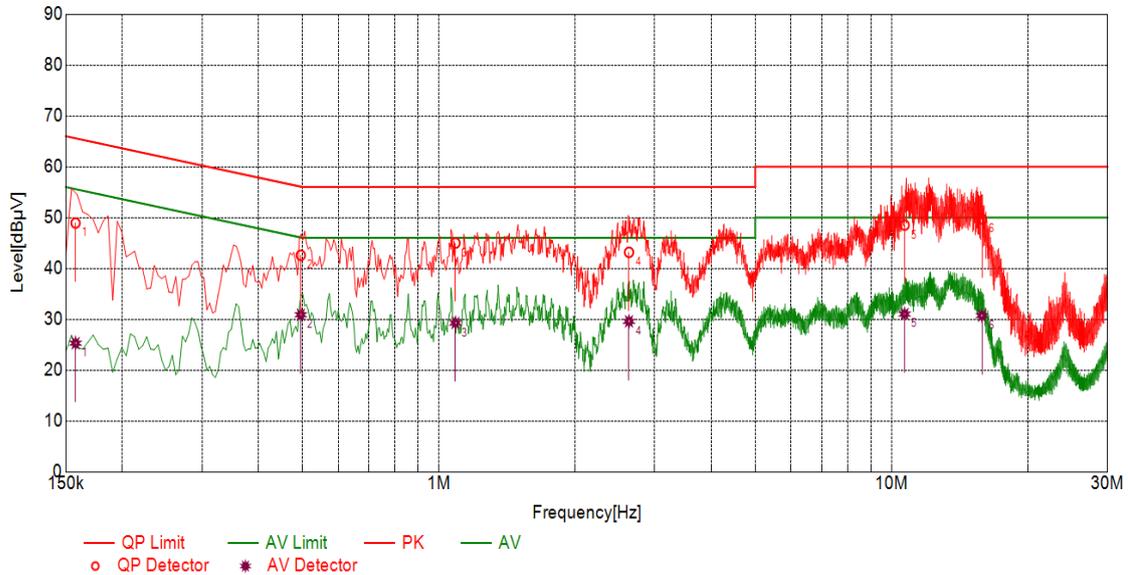
Mode:d; Line:Neutral Line



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1584	10.10	45.94	65.55	19.61	21.26	55.55	34.29	N
2	1.6193	10.10	41.18	56.00	14.82	28.51	46.00	17.49	N
3	2.8300	10.10	43.12	56.00	12.88	27.47	46.00	18.53	N
4	4.5090	10.10	42.30	56.00	13.70	26.83	46.00	19.17	N
5	10.8992	10.10	50.56	60.00	9.44	28.95	50.00	21.05	N
6	15.1634	10.11	45.72	60.00	14.28	28.69	50.00	21.31	N



Mode:g; Line:Live Line



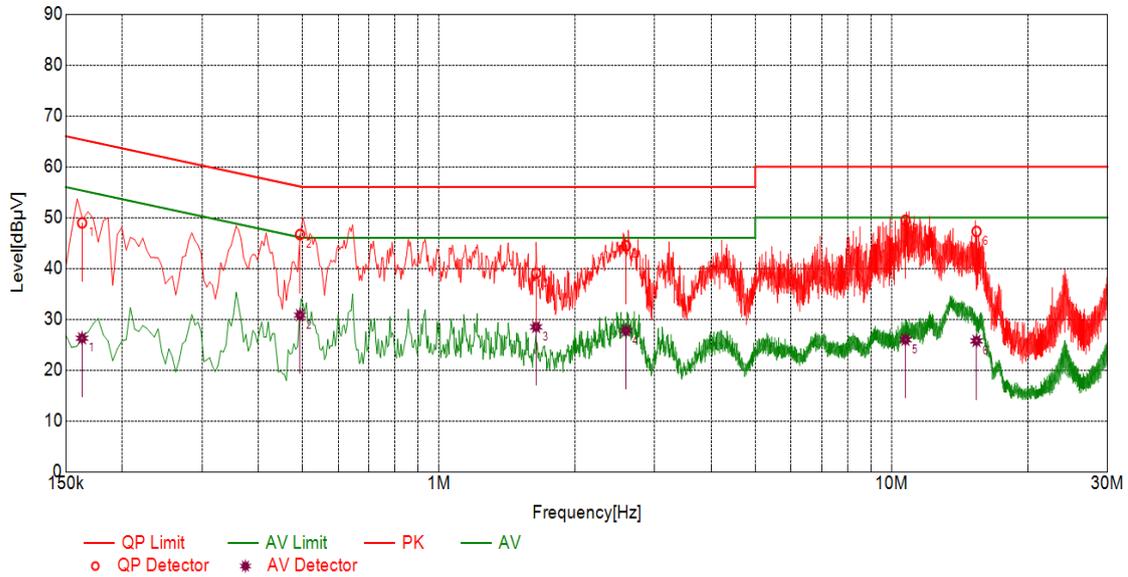
**Final Data List**

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1577	10.10	48.93	65.59	16.66	25.29	55.59	30.30	L
2	0.4957	10.10	42.59	56.07	13.48	30.89	46.07	15.18	L
3	1.0886	10.10	45.00	56.00	11.00	29.26	46.00	16.74	L
4	2.6308	10.10	43.17	56.00	12.83	29.59	46.00	16.41	L
5	10.6846	10.10	48.52	60.00	11.48	31.03	50.00	18.97	L
6	15.8344	10.11	49.74	60.00	10.26	30.71	50.00	19.29	L



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Mode:g; Line:Neutral Line



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1630	10.10	48.95	65.31	16.36	26.26	55.31	29.05	N
2	0.4938	10.10	46.66	56.10	9.44	30.82	46.10	15.28	N
3	1.6406	10.10	39.05	56.00	16.95	28.49	46.00	17.51	N
4	2.5914	10.10	44.45	56.00	11.55	27.73	46.00	18.27	N
5	10.7296	10.10	49.49	60.00	10.51	25.98	50.00	24.02	N
6	15.4021	10.11	47.27	60.00	12.73	25.75	50.00	24.25	N



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## 6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	30MHz to 1GHz
Measurement Distance:	10m
Limit of 3m:	
30MHz -88MHz	40(dBμV/m) quasi-peak
88MHz-216MHz	43.5(dBμV/m) quasi-peak
216MHz-960MHz	46(dBμV/m) quasi-peak
960MHz-1000MHz	54(dBμV/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz
Date of Test	2019.11.18-2019.11.21

### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 51 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+USB cable1
- b: Transfer data between the EUT1 and the PC+USB cable2
- c: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Cable(Worst)+adapter1
- d: BT+WLAN+GPS Rx+camera (Front)+earphone+EUT1+Cable(Worst)+adapter2
- e: BT+WLAN+GPS Rx+camera (Back)+earphone+EUT1+Cable(Worst)+adapter(Worst)
- f: BT+FM+WLAN+GPS Rx+earphone+EUT1+Cable(Worst)+adapter(Worst)
- g: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Smart charging station
- i: Worst mode+EUT2+adapter(Worst)
- j: Worst mode+EUT3+adapter(Worst)
- k: Worst mode+EUT4+adapter(Worst)
- d: BT+WLAN+GPS Rx+camera (Front)+earphone+EUT1+Cable(Worst)+adapter2
- e: BT+WLAN+GPS Rx+camera (Back) +earphone+EUT1+ Cable(Worst)+ adapter (Worst)

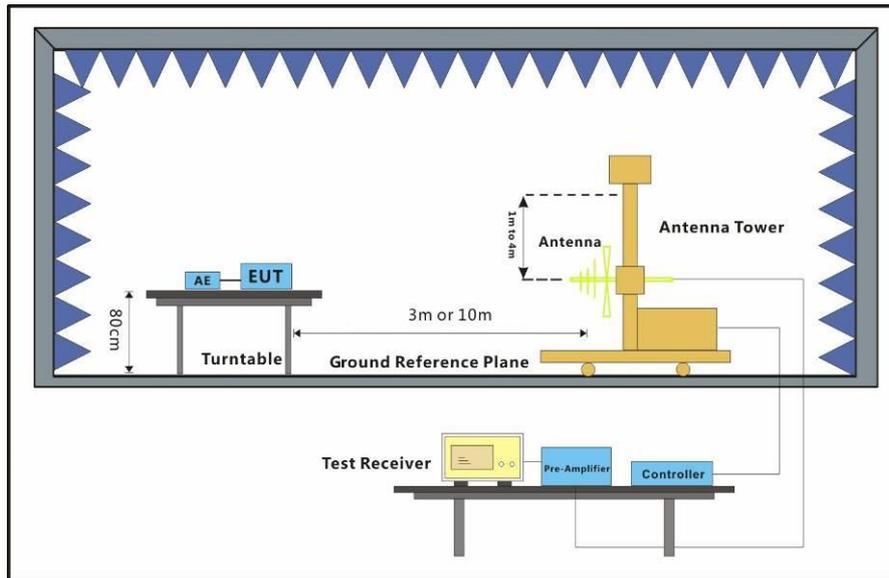
The worst case for final test:



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**6.2.2 Test Setup Diagram**

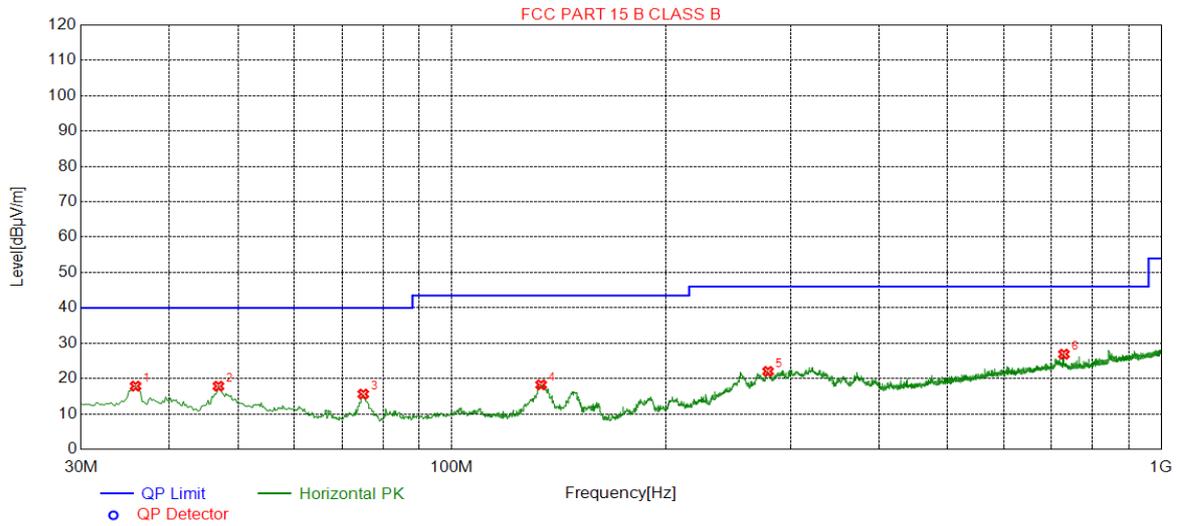


**6.2.3 Measurement Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



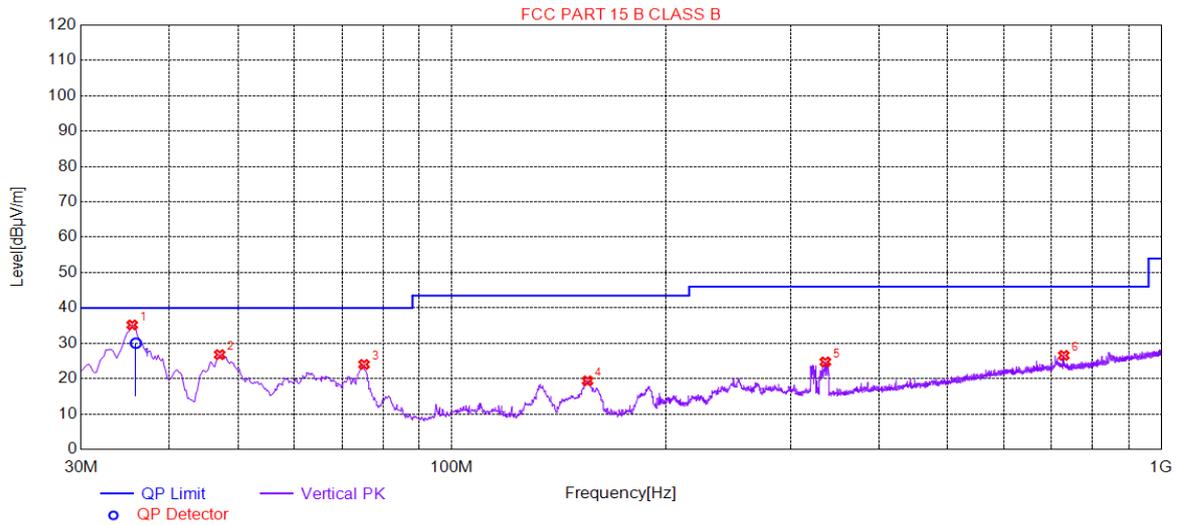
Mode:d;



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.8212	17.86	-29.69	40.00	22.14	168	279	Horizontal
2	46.8814	17.85	-30.40	40.00	22.15	163	320	Horizontal
3	75.0170	15.62	-35.25	40.00	24.38	209	332	Horizontal
4	133.616	18.23	-35.25	43.50	25.27	160	346	Horizontal
5	279.145	22.03	-29.01	46.00	23.97	245	346	Horizontal
6	729.315	26.89	-18.82	46.00	19.11	241	61	Horizontal



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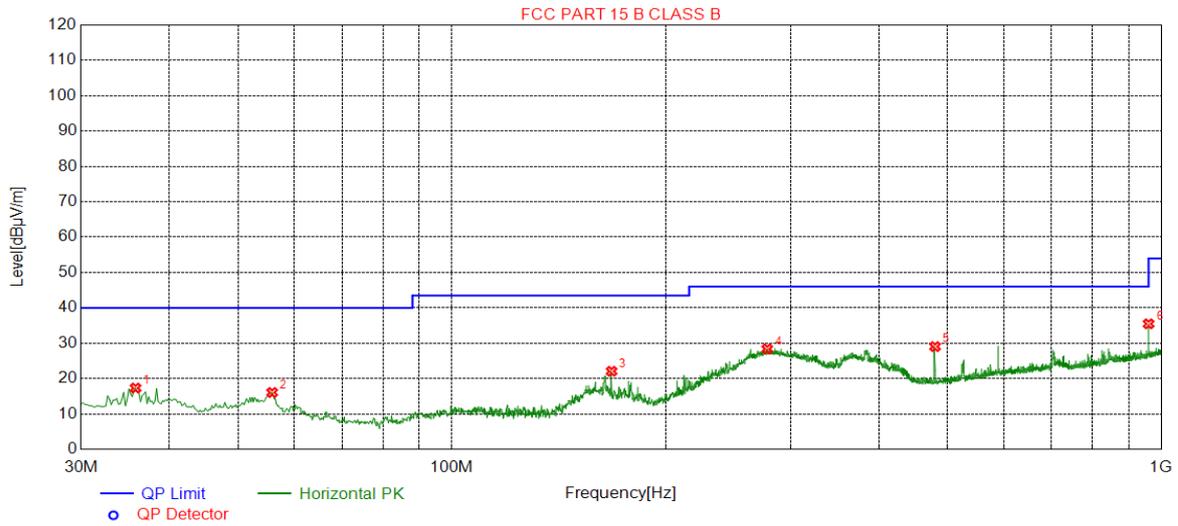


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.4331	35.19	-29.82	40.00	4.81	222	346	Vertical
2	47.0754	26.79	-30.40	40.00	13.21	190	335	Vertical
3	75.2110	24.03	-35.29	40.00	15.97	211	0	Vertical
4	155.349	19.37	-34.84	43.50	24.13	206	10	Vertical
5	336.193	24.74	-27.24	46.00	21.26	295	40	Vertical
6	728.927	26.56	-18.83	46.00	19.44	201	276	Vertical



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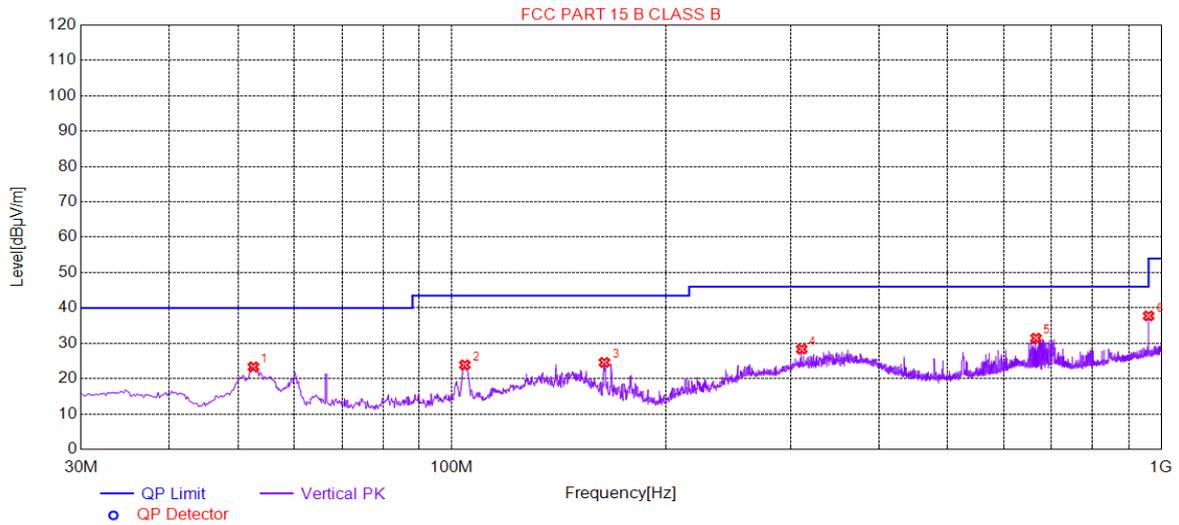
Mode:e;



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.8212	17.32	-29.69	40.00	22.68	183	302	Horizontal
2	55.8072	16.06	-31.24	40.00	23.94	182	308	Horizontal
3	167.961	22.07	-34.16	43.50	21.43	160	274	Horizontal
4	278.369	28.37	-29.02	46.00	17.63	192	258	Horizontal
5	479.976	29.04	-23.82	46.00	16.96	239	123	Horizontal
6	960.028	35.49	-15.34	54.00	18.51	240	211	Horizontal



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Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	52.5085	23.33	-30.74	40.00	16.67	299	183	Vertical
2	104.3169	23.90	-32.00	43.50	19.60	211	144	Vertical
3	164.0808	24.59	-34.39	43.50	18.91	196	165	Vertical
4	311.3563	28.35	-27.94	46.00	17.65	235	337	Vertical
5	666.0592	31.46	-19.86	46.00	14.54	206	153	Vertical
6	960.0280	37.75	-15.34	54.00	16.25	180	347	Vertical



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**6.3 Radiated Emissions (above 1GHz)**

Test Requirement: 47 CFR Part 15, Subpart B  
 Test Method: ANSI C63.4:2014  
 Frequency Range: Above 1GHz  
 Measurement Distance: 3m  
 Limit:  
 Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average  
 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 30000MHz  
 Date of Test 2019.11.18-2019.11.21

**6.3.1 E.U.T. Operation**

Operating Environment:

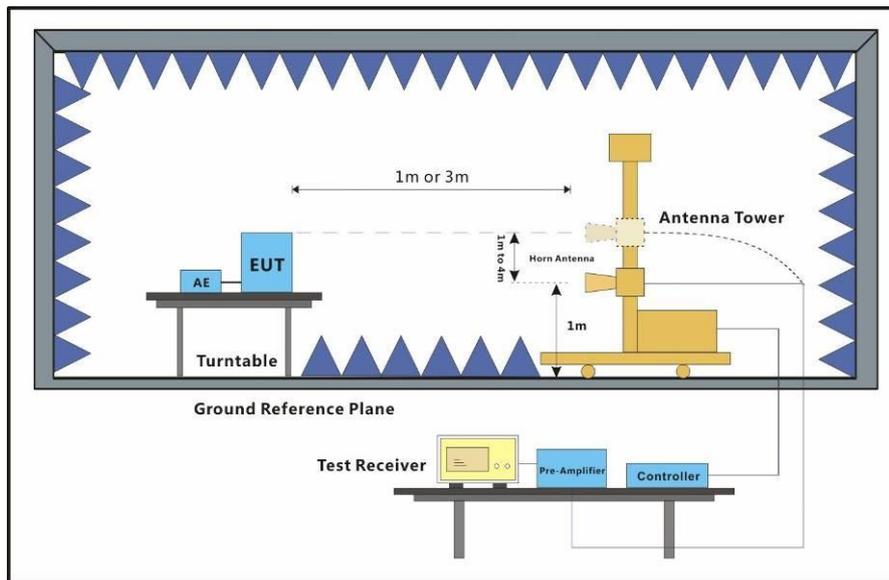
Temperature: 21.9 °C Humidity: 60.3 % RH Atmospheric Pressure: 1010 mbar

- Pretest these modes to find the worst case:
- a: Transfer data between the EUT1 and the PC+USB cable1
  - b: Transfer data between the EUT1 and the PC+USB cable2
  - c: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Cable(Worst)+adapter1
  - d: BT+WLAN+GPS Rx+camera (Front)+earphone+EUT1+Cable(Worst)+adapter2
  - e: BT+WLAN+GPS Rx+camera (Back)+earphone+EUT1+Cable(Worst)+adapter(Worst)
  - f: BT+FM+WLAN+GPS Rx+earphone+EUT1+Cable(Worst)+adapter(Worst)
  - g: BT+WLAN+GPS Rx+playing MP4 (SD card)+earphone+EUT1+Smart charging station
  - i: Worst mode+EUT2+adapter(Worst)
  - j: Worst mode+EUT3+adapter(Worst)
  - k: Worst mode+EUT4+adapter(Worst)
- The worst case for final test:
- d: BT+WLAN+GPS Rx+camera (Front)+earphone+EUT1+Cable(Worst)+adapter2
  - e: BT+WLAN+GPS Rx+camera (Back)+earphone+EUT1+ Cable(Worst)+adapter (Worst)



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**6.3.2 Test Setup Diagram**



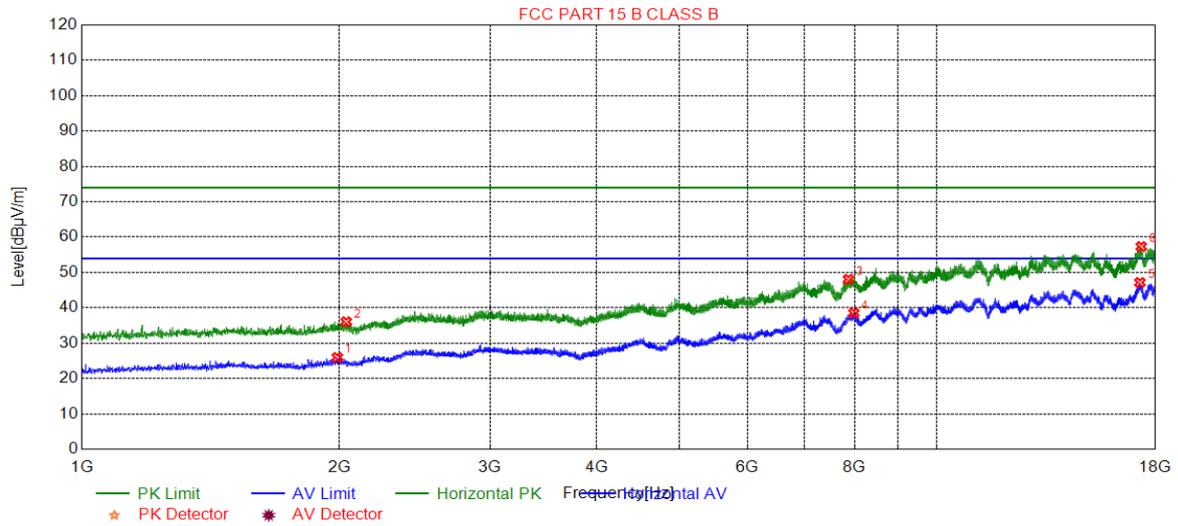
**6.3.3 Measurement Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

Scan from 1GHz to 30GHz, the disturbance above 6GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed.



Mode:d; Polarization:Horizontal

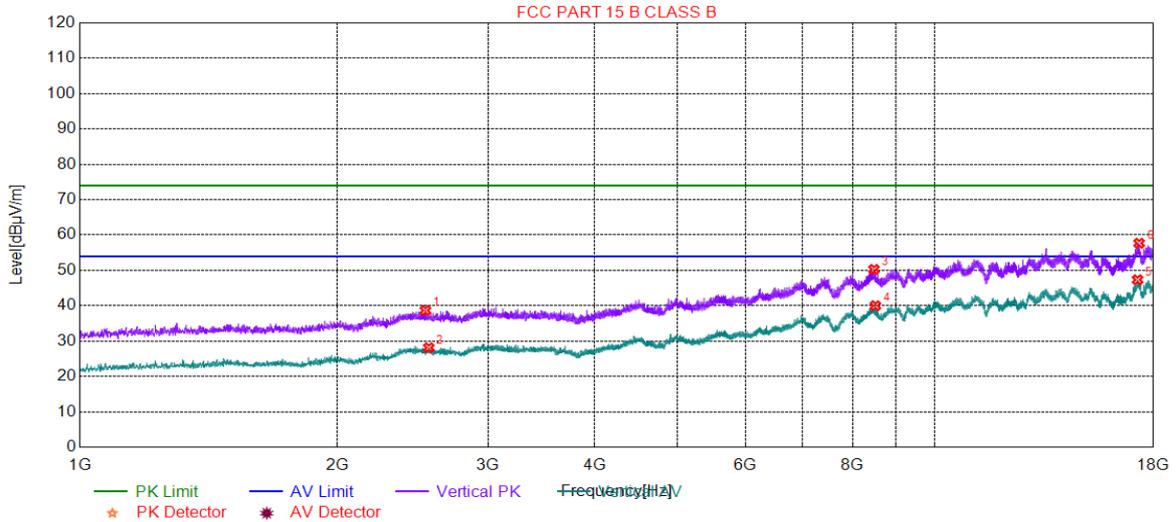


Suspected List								
N O.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1989.4495	25.97	-28.47	54.00	28.03	155	74	Horizontal
2	2037.0519	36.06	-28.63	74.00	37.94	239	255	Horizontal
3	7875.9938	48.07	-10.80	74.00	25.93	248	164	Horizontal
4	7989.8995	38.53	-9.95	54.00	15.47	226	75	Horizontal
5	17258.762	47.17	-1.81	54.00	6.83	124	74	Horizontal
6	17322.516	57.33	-1.53	74.00	16.67	231	74	Horizontal



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Mode:d; Polarization:Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2535.1768	38.68	-25.87	74.00	35.32	235	256	Vertical
2	2558.1279	28.13	-25.85	54.00	25.87	295	286	Vertical
3	8481.2241	50.29	-9.07	74.00	23.71	292	194	Vertical
4	8512.6756	40.01	-9.01	54.00	13.99	187	45	Vertical
5	17242.6121	47.35	-1.95	54.00	6.65	245	166	Vertical
6	17315.7158	57.68	-1.51	74.00	16.32	150	194	Vertical

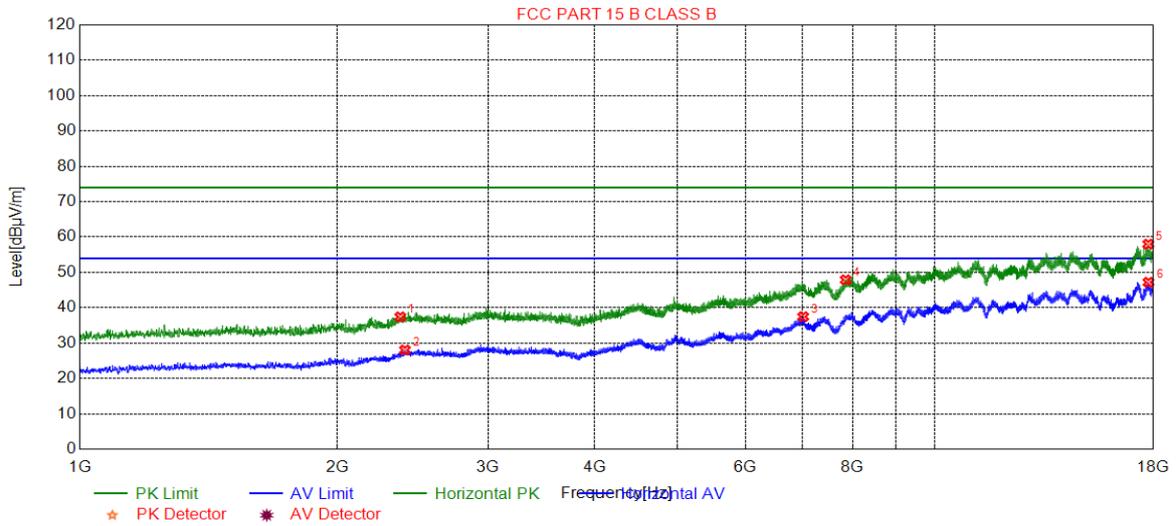


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Mode:e; Polarization:Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2369.4185	37.42	-26.59	74.00	36.58	203	196	Horizontal
2	2399.1700	28.06	-26.02	54.00	25.94	184	166	Horizontal
3	7008.9504	37.47	-12.55	54.00	16.53	249	257	Horizontal
4	7858.9930	47.90	-10.93	74.00	26.10	109	43	Horizontal
5	17748.3874	57.99	-1.24	74.00	16.01	219	226	Horizontal
6	17755.1878	47.21	-1.31	54.00	6.79	159	104	Horizontal

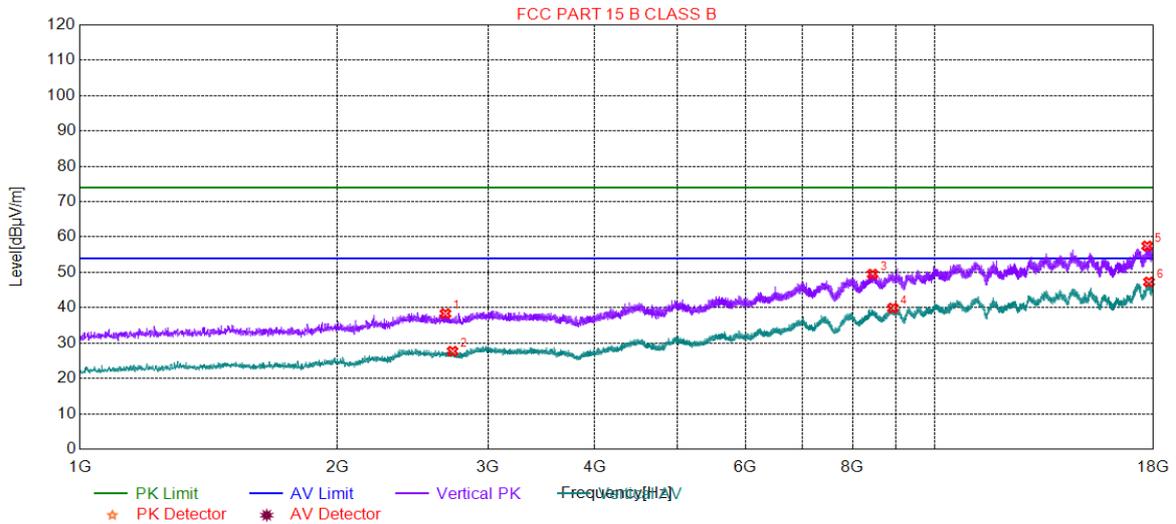


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Mode:e; Polarization:Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2675.4338	38.33	-25.73	74.00	35.67	214	315	Vertical
2	2727.2864	27.70	-25.81	54.00	26.30	250	166	Vertical
3	8449.7725	49.51	-9.35	74.00	24.49	267	254	Vertical
4	8924.9462	39.92	-7.95	54.00	14.08	210	286	Vertical
5	17695.6848	57.47	-0.82	74.00	16.53	194	285	Vertical
6	17780.6890	47.30	-1.55	54.00	6.70	249	194	Vertical



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## 7 Photographs

### 7.1 Test Setup

Please refer to setup photos.

### 7.2 EUT Constructional Details (EUT Photos)

Please refer to external and internal photos for details.

- End of the Report -



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