

Report No.: SEWM2305000166RG08

Rev.: 01

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TEST REPORT

Application No.: SEWM2305000166RG
Applicant: vivo Mobile Communication Co., Ltd.
Address of Applicant: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Manufacturer: vivo Mobile Communication Co., Ltd.
Address of Manufacturer: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
EUT Description: Mobile Phone
Model No.: V2250
Trade Mark: vivo
FCC ID: 2AUCY-V2250
Standard(s): FCC 47 CFR Part 15, Subpart B
Date of Receipt: 2023/05/12
Date of Test: 2023/06/04 to 2023/06/04
Date of Issue: 2023/06/05

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Panta Sun

Panta Sun

Wireless Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023/06/05		Original

Prepared By	King-p Li
	(King-p Li) / Test Engineer
Checked By	Well Wei
	(Well Wei) / Reviewer



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Test Summary

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

EUT Description:	Mobile Phone		
Model No.:	V2250		
Trade Mark:	vivo		
Hardware Version:	MP_0.1		
Software Version:	PD2283F_EX_A_13.0.6.14.W30		
IMEI:	IMEI1: 868007060199698 IMEI2: 868007060199680		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	GSM850	824~849	869~894
	GSM1900	1850~1910	1930~1990
	WCDMA Band II	1850~1910	1930~1990
	WCDMA Band IV	1710~1755	2110~2155
	WCDMA Band V	824~849	869~894
	CDMA/EVDO BC0	824~849	869~894
	LTE Band 2	1850~1910	1930~1990
	LTE Band 4	1710~1755	2110~2155
	LTE Band 5	824~849	869~894
	LTE Band 7	2500~2570	2620~2690
	LTE Band 12	699~716	729~746
	LTE Band 13	777~787	746~756
	LTE Band 17	704~716	734~746
	LTE Band 18 (815 to 824 MHz)	815~824	860~869
	LTE Band 18 (824 to 830 MHz)	824~830	869~875
	LTE Band 19	830~845	875~890
	LTE Band 26 (814 to 824 MHz)	814~824	859~869
	LTE Band 26 (824 to 849 MHz)	824~849	869~894
	LTE Band 38	2570~2620	2570~2620
	LTE Band 41	2496~2690	2496~2690
	LTE Band 66	1710~1780	2110~2200
	NR Band n2	1850~1910	1930~1990



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	NR Band n5	824~849	869~894
	NR Band n7	2500~2570	2620~2690
	NR Band n26 (814 to 824 MHz)	814~824	859~869
	NR Band n26 (824 to 849 MHz)	824~849	869~894
	NR Band n38	2570~2620	2570~2620
	NR Band n41	2496~2690	2496~2690
	NR Band n66	1710~1780	2110~2180
	NR Band n77	3450-3550	3450-3550
		3700-3980	3700-3980
	NR Band n78	3450-3550	3450-3550
		3700-3800	3700-3800
	Wi-Fi 2.4G	2412~2462	2412~2462
	Bluetooth	2402~2480	2402~2480
	Wi-Fi 5G	5150~5850	5150~5850
	NFC	13.56	13.56
	GNSS(GPS/Galileo /Glonass /Beidou/ QZSS)	/	1559~1610
LTE CA: LTE UL CA_7C; LTE UL CA_41C; LTE UL CA_2A-7A; LTE UL CA_4A-5A; LTE UL CA_4A-7A; LTE UL CA_5A-7A; ENDC: DC_7A_n5A; DC_2A_n7A; DC_66A_n7A; DC_4A_n38A; DC_66A_n38A; DC_4A_n41A; DC_26A_n41A; DC_66A_n41A; DC_2A_n66A; DC_5A_n66A; DC_7A_n66A; DC_2A_n78A; DC_4A_n78A; DC_5A_n78A; DC_7A_n78A; DC_26A_n78A; DC_38A_n78A; DC_41A_n78A; DC_66A_n78A;			
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Accessory:

Adapter No.	Model No.	Manufacturer
1	V8073L0A0-US	Huizhou Golden Lake Industrial Co., Ltd.
2	V8073L0A0-EU	Dongguan Aohai Technology Co.,Ltd

Battery No.	Model No.	Manufacturer
1	B-Z7	Dongguan NVT Technology Co.,Ltd

USB Cable No.	Model No.	Manufacturer
1	BK-C-49-B	vivo



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1.1 Description of Support Units

Description	Manufacturer	Model No.	Inventory No.
Router	Smauwave Technology Co.,Ltd	SRT 421	SUWI-04-34-01
Computer	Lenovo	T14	SUWI-03-33-04

1.2 Test Location

All tests were performed at:

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Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	King-p Li

1.3 Test Facility

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

• A2LA (Certificate No. 6336.01)

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0120.

IC#: 27594.

• FCC –Designation Number: CN1312

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

Designation Number: CN1312.

Test Firm Registration Number: 717327

1.4 Deviation from Standards

None

1.5 Abnormalities from Standard Conditions

None



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2 Emission Test Results

2.1 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		
Receiver Setup:	RBW = 9kHz, VBW = 30kHz		
Limit:	Frequency Range (MHz)	Limit(dBμV)	
		Quasi-peak	average
	0.15M-0.5MHz	66 ~ 56*	56 ~ 46*
	0.5M-5MHz	56	46
	5M-30MHz	60	50
*Decreases with the logarithm of the frequency Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz			

2.1.1 E.U.T. Operation

Operating Environment:

Temperature:	22~23°C
Humidity:	44~46%RH
Atmospheric Pressure:	101.0 kPa
Pretest these modes to find the worst case:	a: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM8 50 Low(RX) b: adapter(2)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM8 50 Low(RX) c: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+Camera(Front)+CDMA BC0 Mid(RX) d: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+WCDMA Band 5 High(RX) e: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+NFC ON+LTE Band 5 Low(RX) f: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+GNSS+LTE Band 12Mid (RX) g: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 13High (RX) h: adapter(2)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 17Low (RX) i: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 26Mid (RX) j: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+SA Band 5High (RX) k: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+5GWLAN(Idle)+SA Band 26 Low (RX)



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The worst case for final test:	c: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+Camera(Front)+CDMA BC0 Mid(RX) k: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+5GWLAN(Idle)+SA Band 26 Low (RX)
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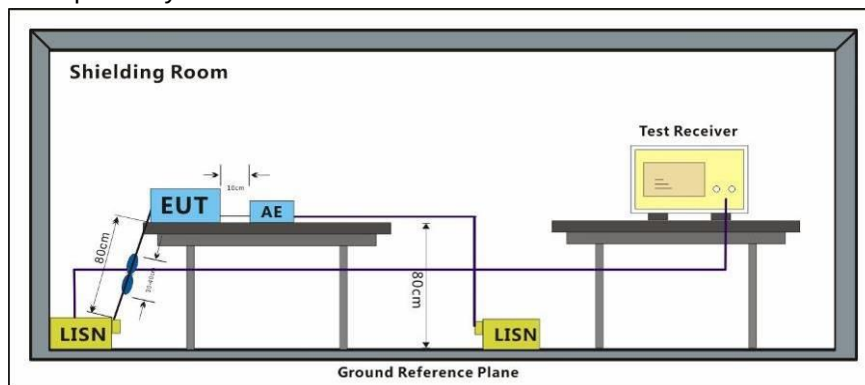
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2.1.2 Test Setup Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



2.1.3 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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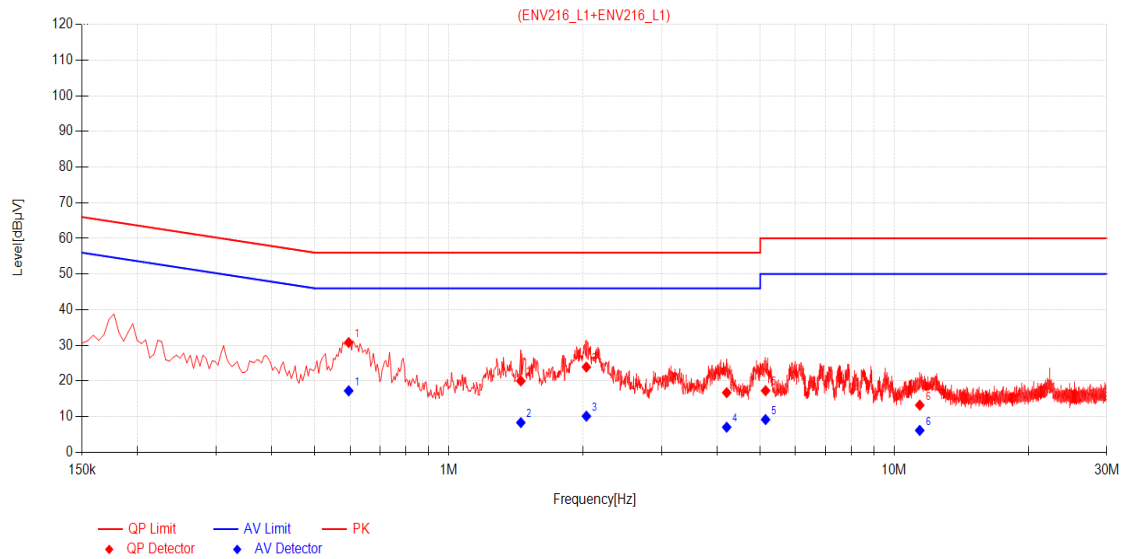
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Final Test Mode:

Mode b

Phase:

Line



Data List

NO.	Frequency [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	0.5955	11.63	19.17	30.80	56.00	25.20	5.62	17.25	46.00	28.75	PASS
2	1.4505	11.72	8.30	20.02	56.00	35.98	-3.39	8.33	46.00	37.67	PASS
3	2.0355	11.73	12.18	23.91	56.00	32.09	-1.60	10.13	46.00	35.87	PASS
4	4.2045	11.77	4.96	16.73	56.00	39.27	-4.72	7.05	46.00	38.95	PASS
5	5.1405	11.82	5.47	17.29	60.00	42.71	-2.64	9.18	50.00	40.82	PASS
6	11.4090	11.88	1.35	13.23	60.00	46.77	-5.74	6.14	50.00	43.86	PASS
1	0.5955	11.63	19.17	30.80	56.00	25.20	5.62	17.25	46.00	28.75	PASS

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Value = Reading[dBμV] + Factor(Lisn factor[dB] + cable loss[dB]).
3. Margin = Limit[dBμV] – Value[dBμV]



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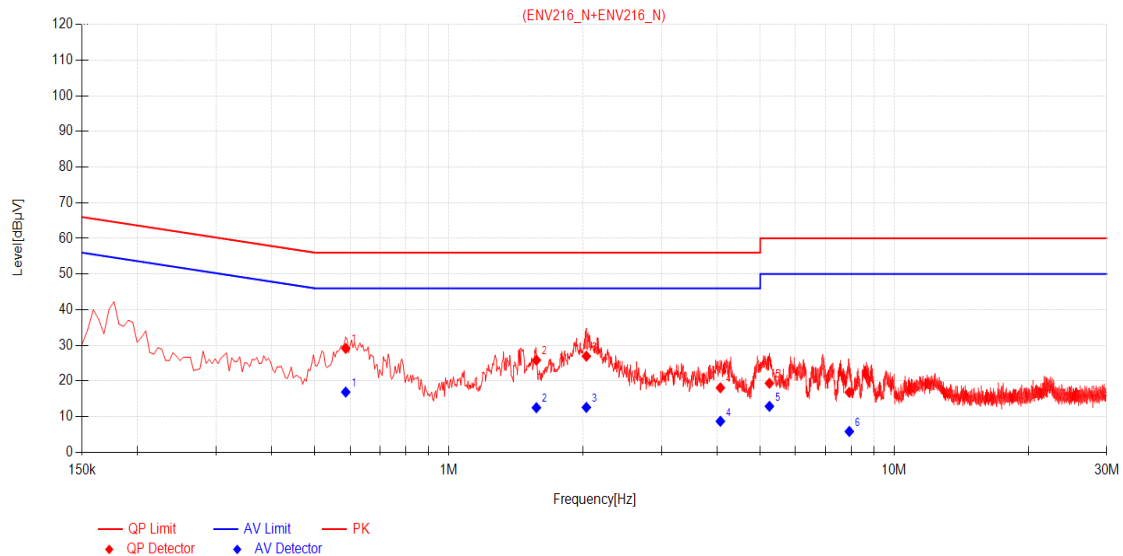
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Final Test Mode:

Mode b

Phase:

Neutral



Data List

NO.	Frequency [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	0.5865	11.62	17.52	29.14	56.00	26.86	5.27	16.89	46.00	29.11	PASS
2	1.5720	11.73	14.13	25.86	56.00	30.14	0.78	12.51	46.00	33.49	PASS
3	2.0355	11.73	15.23	26.96	56.00	29.04	0.87	12.60	46.00	33.40	PASS
4	4.0695	11.77	6.33	18.10	56.00	37.90	-3.06	8.71	46.00	37.29	PASS
5	5.2440	11.82	7.54	19.36	60.00	40.64	1.08	12.90	50.00	37.10	PASS
6	7.9260	11.89	4.92	16.81	60.00	43.19	-6.04	5.85	50.00	44.15	PASS
1	0.5865	11.62	17.52	29.14	56.00	26.86	5.27	16.89	46.00	29.11	PASS

Remark:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- Value = Reading[dBμV] + Factor(Lisn factor[dB] + cable loss[dB]).
- Margin = Limit[dBμV] – Value[dBμV]



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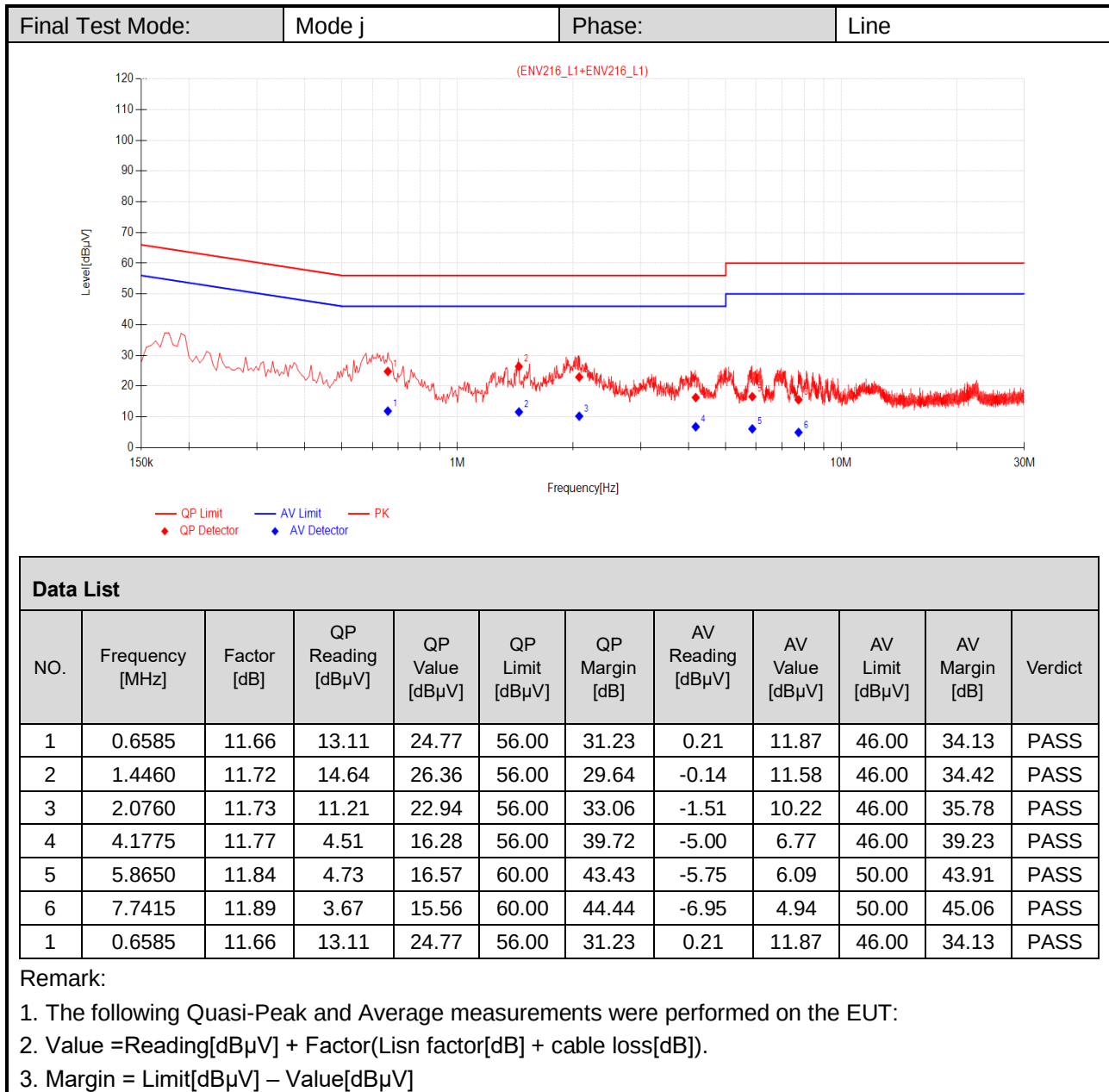
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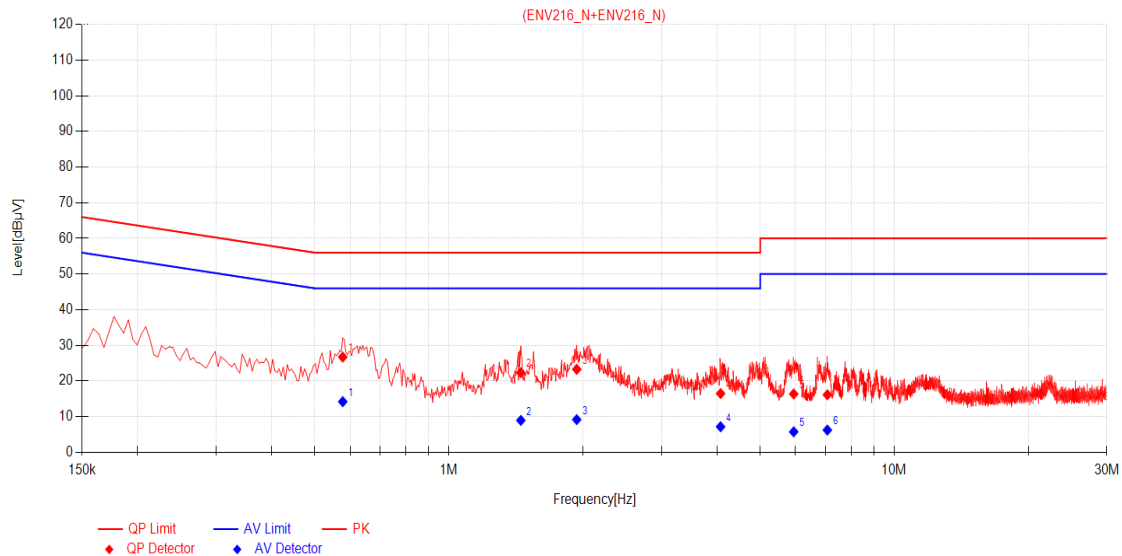
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Final Test Mode:

Mode j

Phase:

Neutral



Data List

NO.	Frequency [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	0.5775	11.62	15.09	26.71	56.00	29.29	2.59	14.21	46.00	31.79	PASS
2	1.4505	11.72	10.62	22.34	56.00	33.66	-2.77	8.95	46.00	37.05	PASS
3	1.9365	11.74	11.55	23.29	56.00	32.71	-2.57	9.17	46.00	36.83	PASS
4	4.0740	11.77	4.71	16.48	56.00	39.52	-4.60	7.17	46.00	38.83	PASS
5	5.9460	11.84	4.54	16.38	60.00	43.62	-6.09	5.75	50.00	44.25	PASS
6	7.0755	11.89	4.25	16.14	60.00	43.86	-5.65	6.24	50.00	43.76	PASS
1	0.5775	11.62	15.09	26.71	56.00	29.29	2.59	14.21	46.00	31.79	PASS

Remark:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- Value = Reading [dBμV] + Factor (Lisn factor [dB] + cable loss [dB]).
- Margin = Limit [dBμV] – Value [dBμV]



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2.2 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:	3m		
Limit:	Frequency Range (MHz)	Limit(dBμV/m)	Detector
	30MHz -88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1000MHz	54.0	Quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHZ		

2.2.1 E.U.T. Operation

Temperature:	22~23°C
Humidity:	44~46%RH
Atmospheric Pressure:	101.0 kPa
Pretest these modes to find the worst case:	a: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM8 50 Low(RX) b: adapter(2)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM8 50 Low(RX) c: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+Camera(Front)+CDMA BC0 Mid(RX) d: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+WCDMA Band 5 High(RX) e: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+NFC ON+LTE Band 5 Low(RX) f: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+GNSS+LTE Band 12Mid (RX) g: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 13High (RX) h: adapter(2)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 17Low (RX) i: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 26Mid (RX) j: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+SA Band 5High (RX) k: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+5GWLAN(Idle)+SA Band 26 Low (RX)
The worst case for final test:	d: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+WCDMA Band 5 High(RX) k: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+5GWLAN(Idle)+SA Band 26 Low (RX)



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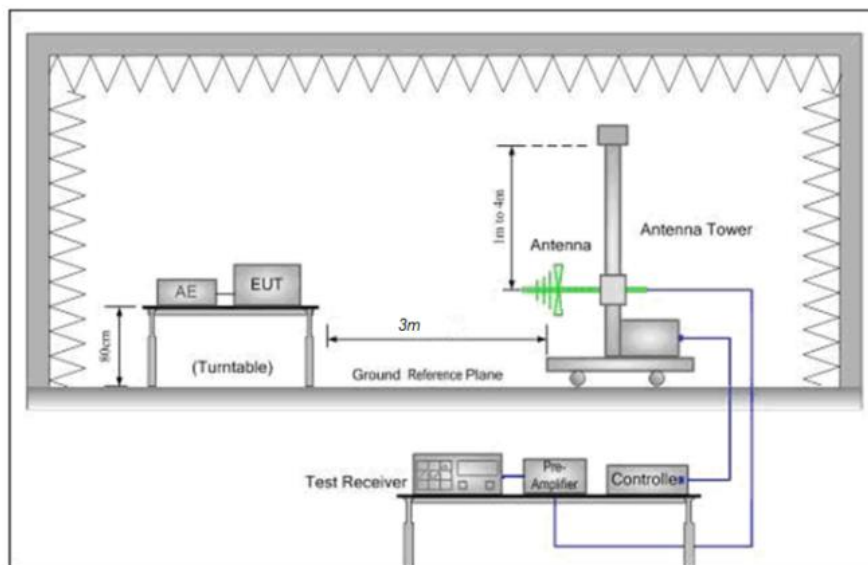
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2.2.2 Test Setup Procedures

1. The EUT was placed in a semi Anechoic Chamber as show below
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna height is adjusted between 1 to 4 meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.
7. If the emission level of the EUT in peak mode was 6 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.



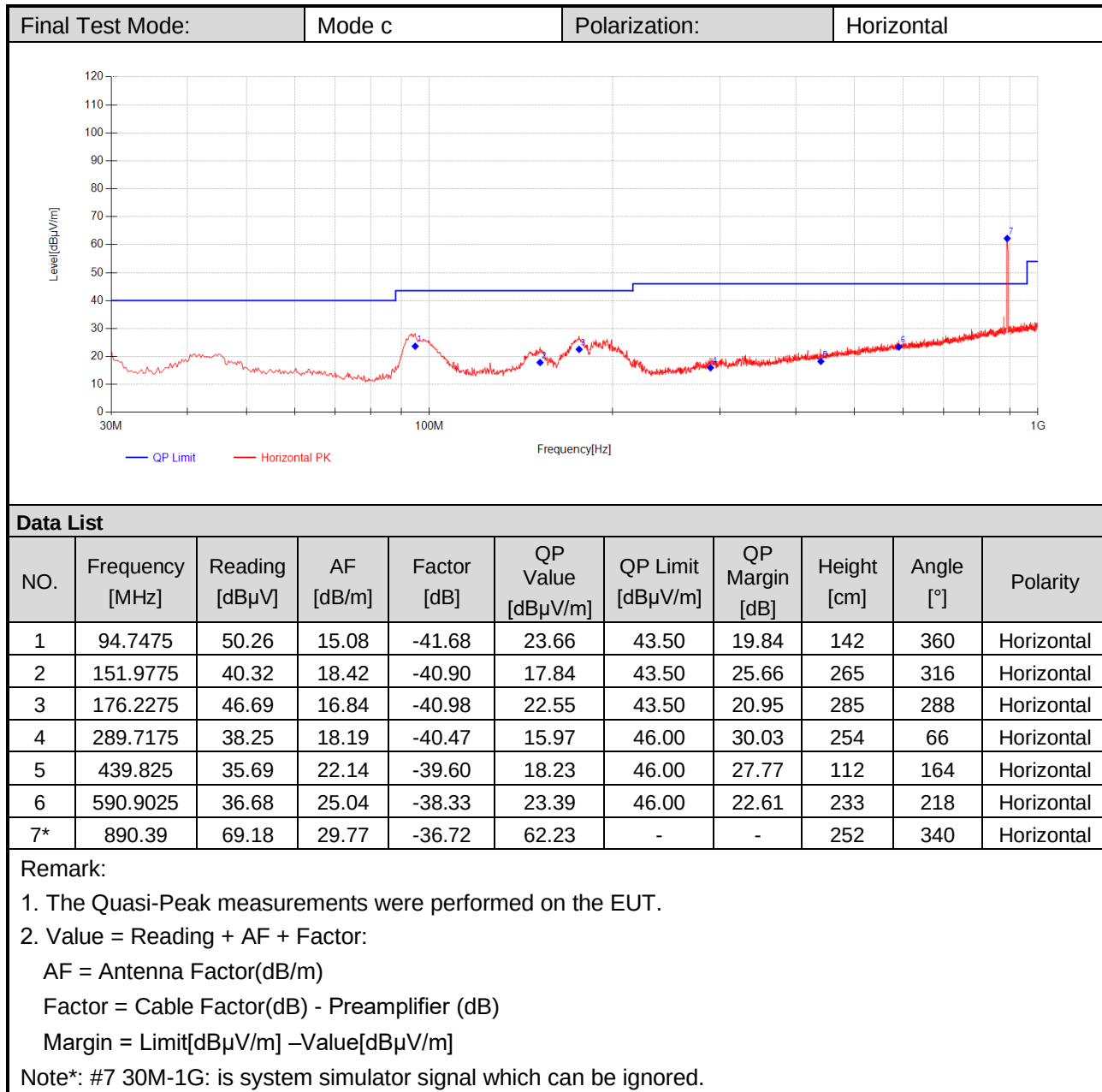
2.2.3 Measurement Data

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. The three polarities of X,Y,Z were measured by EUT, but only the worst data had been displayed.

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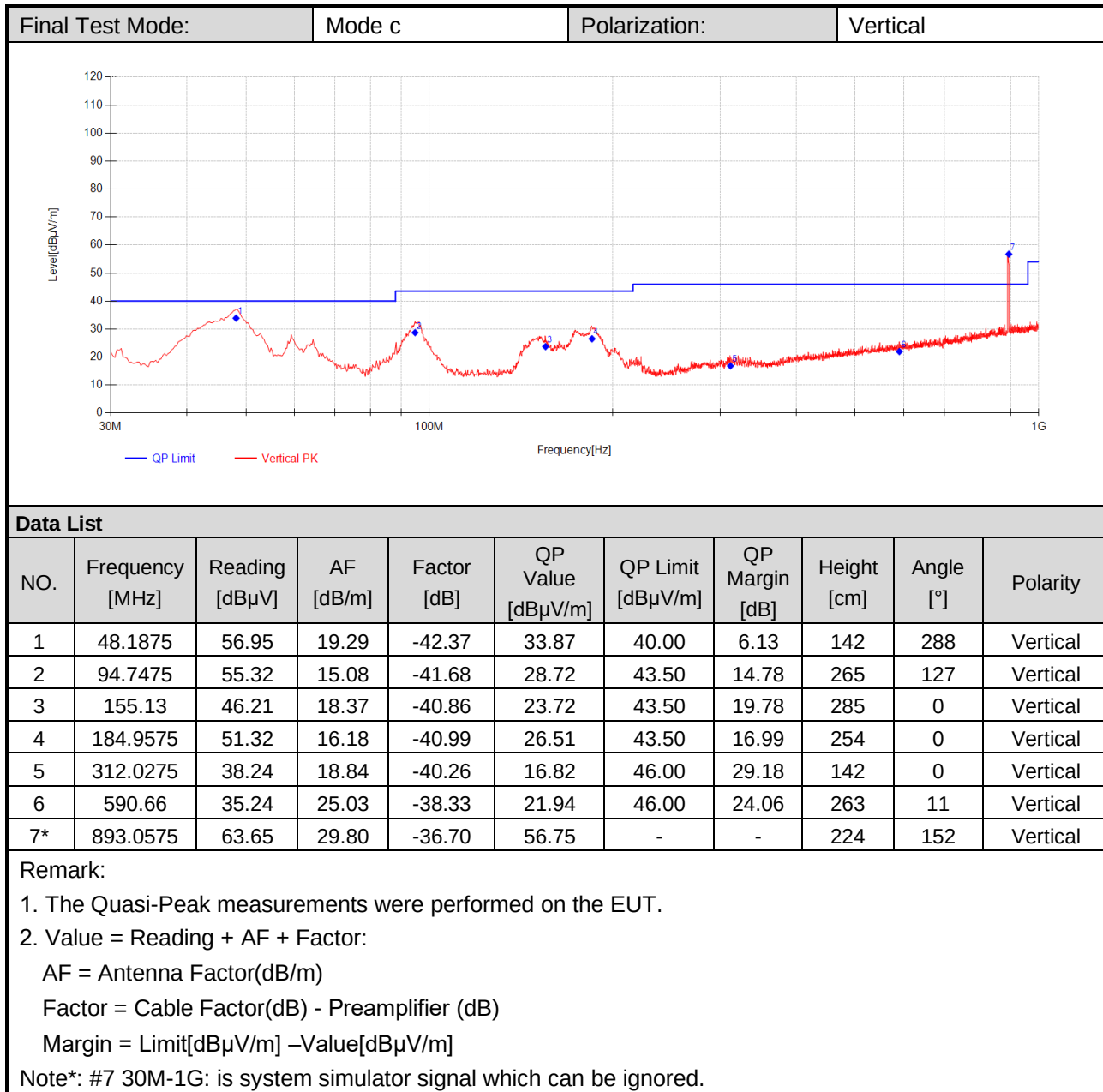
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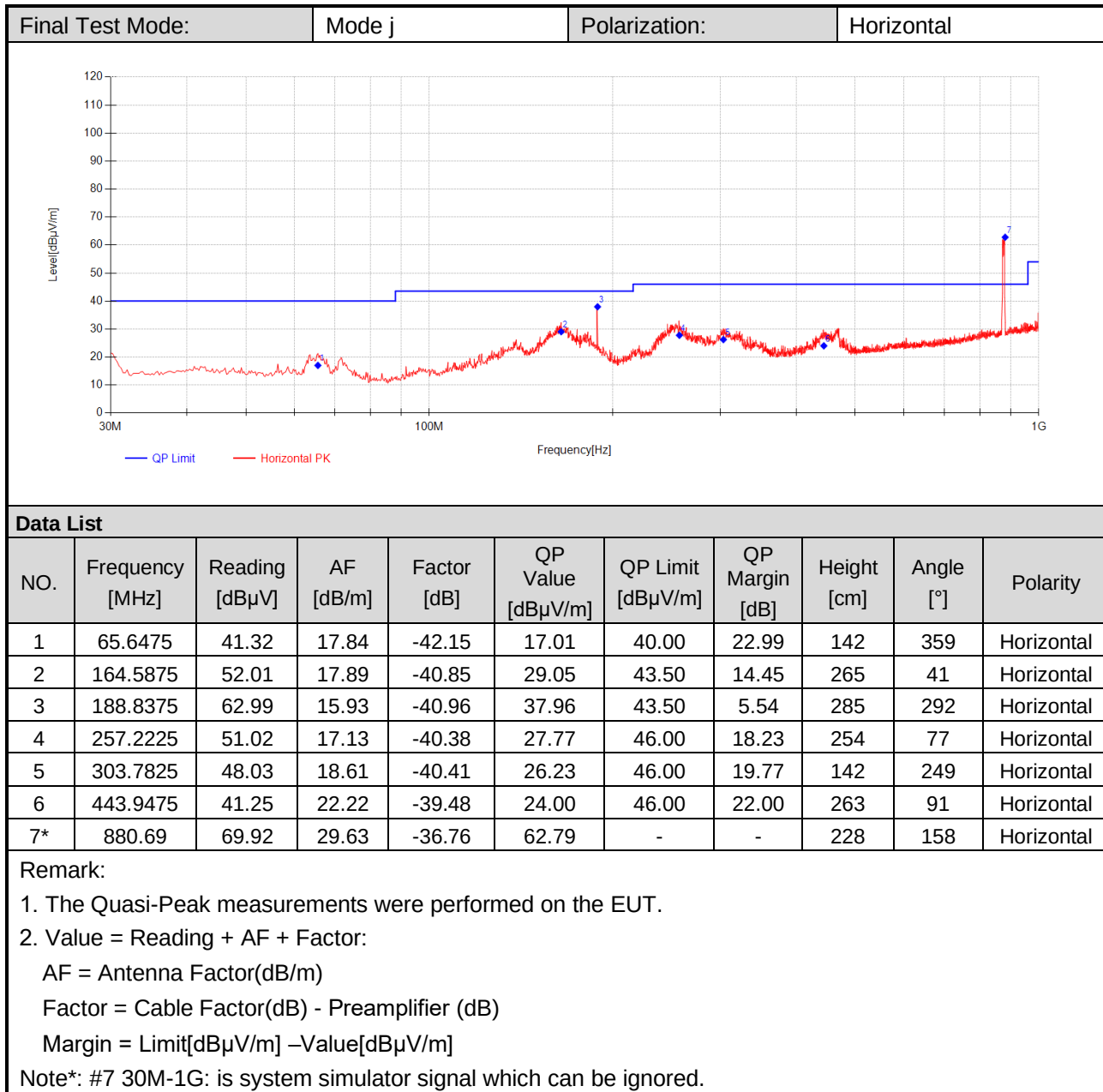
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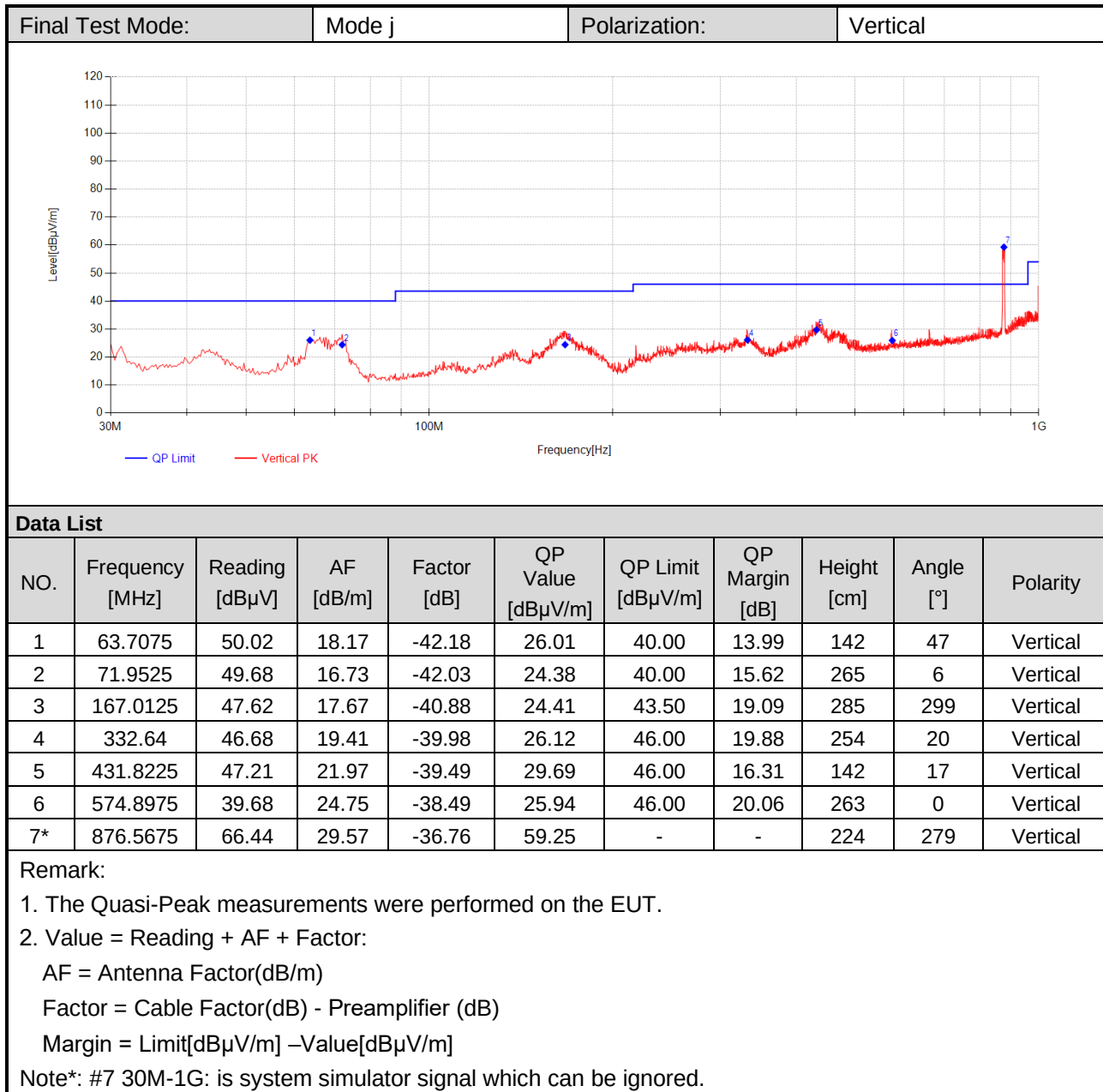
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2.3 Radiated Emissions (above 1GHz)

Test Requirement:	47 CFR Part 15, Subpart B		
Test Method:	ANSI C63.4:2014		
Frequency Range:	Above 1GHz		
Measurement Distance:	3m		
Limit:	Frequency (MHz)	Limit (dBμV/m)	Detector
	Above 1GHz	74	Peak
		54	Average
Detector:	Peak for pre-scan (1000kHz resolution bandwidth) 5th harmonic of the highest frequency or 40GHz, whichever is lower.		

2.3.1 E.U.T. Operation

Temperature:	22~23°C
Humidity:	44~46%RH
Atmospheric Pressure:	101.0 kPa
Pretest these modes to find the worst case:	a: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM8 50 Low(RX) b: adapter(2)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM8 50 Low(RX) c: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+Camera(Front)+CDMA BC0 Mid(RX) d: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+WCDMA Band 5 High(RX) e: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+NFC ON+LTE Band 5 Low(RX) f: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+GNSS+LTE Band 12Mid (RX) g: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 13High (RX) h: adapter(2)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 17Low (RX) i: adapter(1)+usb Cable(1)+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 26Mid (RX) j: adapter(1)+usb Cable(1)+BT(Idle)+2.4GWLAN(Idle)+MP4+SA Band 5High (RX) k: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+5GWLAN(Idle)+SA Band 26 Low (RX)
The worst case for final test:	k: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+5GWLAN(Idle)+SA Band 26 Low (RX)



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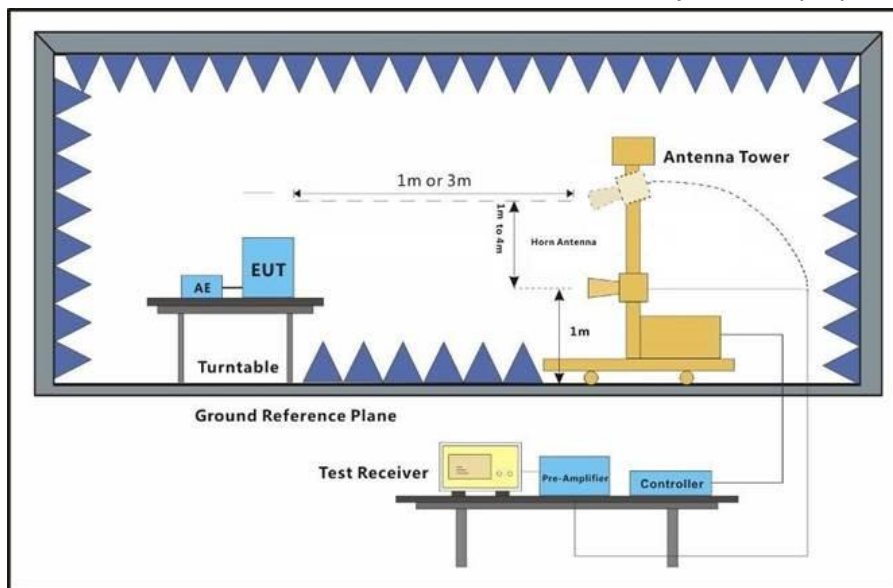
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2.3.2 Test Setup Procedures

1. The EUT was placed in a full Anechoic Chamber as show below
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation
(Distance from antenna to EUT is 1m for measurements >18GHz).
4. The antenna height is adjusted between 1 to 4 meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak and AV Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.
7. At a measurement distance of 1 meter the limit line was increased by $20 \cdot \log(3/1) = 9.54$ dB.



2.3.3 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.

The three polarities of X, Y, Z were measured by EUT, but only the worst data had been displayed. Scan from 5th harmonic of the highest frequency or 40GHz, whichever is lower, the disturbance above 18GHz was very low. The points marked on below plots are the highest emissions could be found when testing, so only below points had been displayed.

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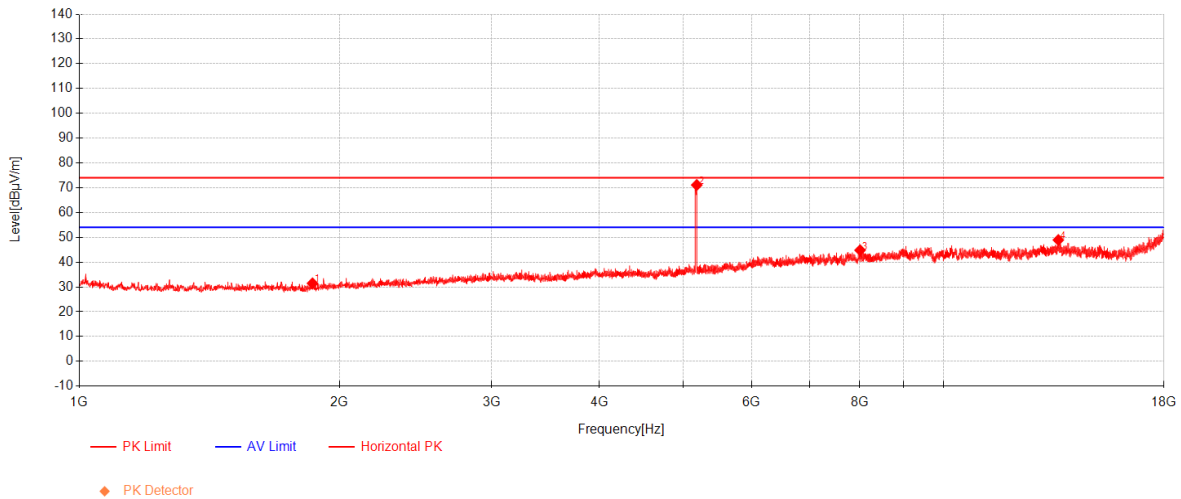
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Final Test Mode:

Mode j

Polarization:

Horizontal



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1861.9	53.72	25.93	31.45	-48.20	74.00	42.55	196	258	Horizontal
2*	5182.85	82.55	32.60	71.11	-44.04	-	-	142	258	Horizontal
3	8009.1	48.31	37.51	44.81	-41.01	74.00	29.19	241	357	Horizontal
4	13583.4	43.30	39.95	48.94	-34.31	74.00	25.06	100	233	Horizontal

Remark:

1. The Peak and Average measurements were performed on the EUT.

2. Level = Reading Level + AF + Factor:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit[dBμV/m] – Level[dBμV/m]

Note*: #2:1G-18G is RF signal which come from Wi-Fi access point used to connect the EUT, and which can be ignored.



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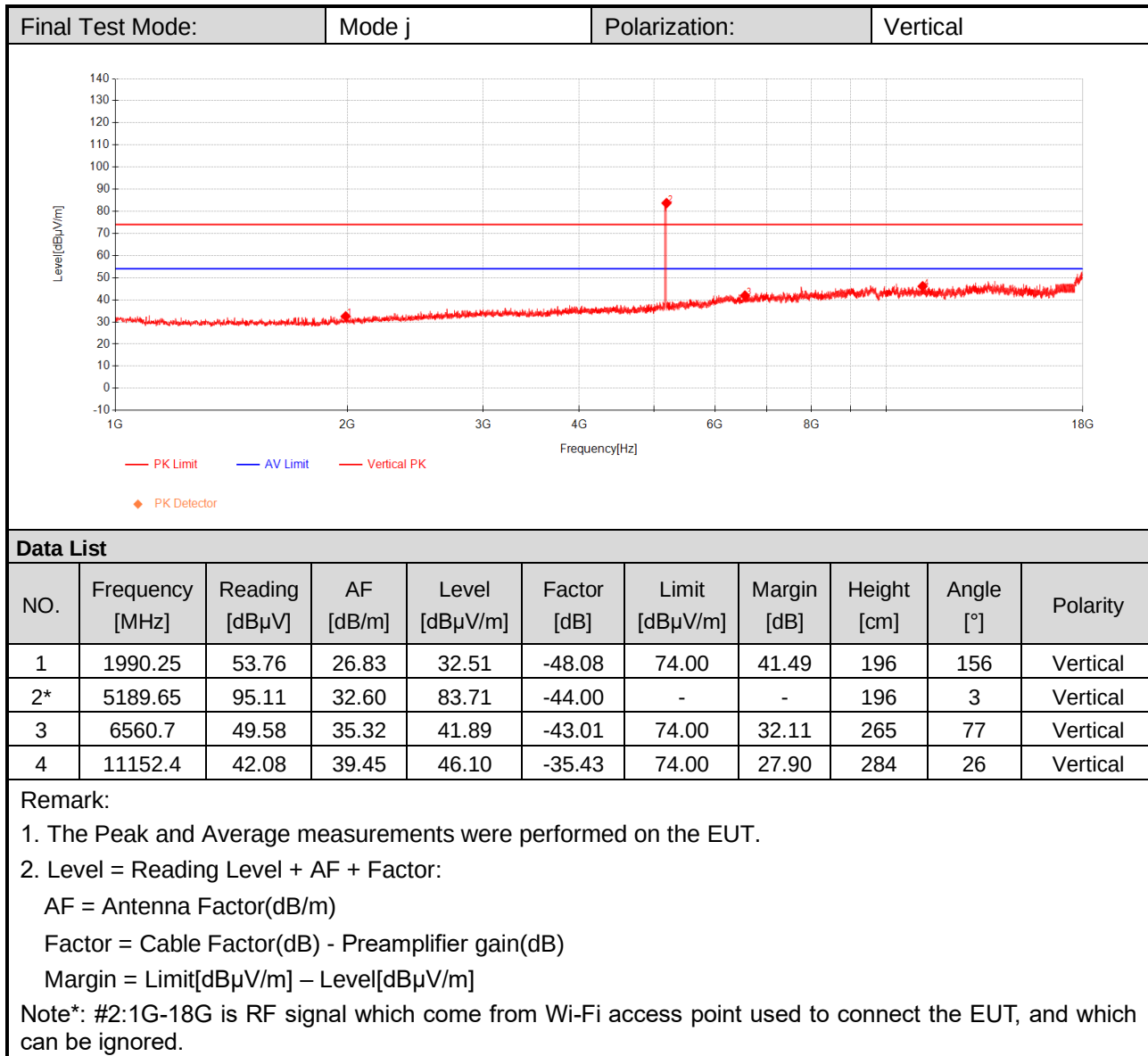
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3 Equipment List

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date (yyyy/mm/dd)	Cal Due Date (yyyy/mm/dd)
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2023/02/07	2024/02/06
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2023/02/08	2024/02/07
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2023/02/08	2024/02/07
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-16-08	2023/02/06	2024/02/05
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	SUWI-01-04-01	2023/02/06	2024/02/05
Measurement Software	Tonscend	JS32-CE V4.0.0.2	SUWI-02-09-05	NCR	NCR



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RE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date (yyyy/mm/dd)	Cal Due Date (yyyy/mm/dd)
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2021/05/08	2024/05/07
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2023/02/07	2024/02/06
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2023/05/11	2024/05/10
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-05	2022/11/23	2023/11/22
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9163	SUWI-01-11-01	2023/05/13	2024/05/12
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2023/05/13	2024/05/12
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2023/05/12	2024/05/11
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2023/02/06	2024/02/05
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2023/02/06	2024/02/05
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2023/02/08	2024/02/07
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-16-08	2023/02/06	2024/02/05
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	SUWI-01-04-01	2023/02/06	2024/02/05
Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-04	NCR	NCR



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4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 2.9dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (Below 1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.8dB (Above 18GHz)
Remark: The U _{lab} (lab Uncertainty) is less than U _{cispr/ETSI} (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		



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5 Photographs

5.1 Test Setup

Refer to Appendix A.1 15B Setup Photos.

---End of Report---



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