

Report No.: SEWM2306000195RG06

Rev.: 01

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TEST REPORT

Application No.: SEWM2306000195RG
Applicant: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address of Applicant: NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Manufacturer: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address of Manufacturer: NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
EUT Description: Mobile Phone
Model No.: CPH2579
Trade Mark: OPPO
FCC ID: R9C-CPH2579
Standard(s): FCC 47 CFR Part 15, Subpart B
Date of Receipt: 2023/06/09
Date of Test: 2023/06/25 to 2023/06/26
Date of Issue: 2023/07/04

Test Result:**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Well Wei

Well Wei

Wireless Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023/07/04		Original

Prepared By		King-p Li
		(King-p Li) / Test Engineer
Checked By		Stone Gu
		(Stone Gu) / 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

Product Name:	Mobile Phone		
Model No. (EUT):	CPH2579		
Trade Mark:	OPPO		
Hardware Version:	11		
Software Version:	ColorOS 13.1		
IMEI:	IMEI1: 867723060021119 IMEI2: 867723060021101		
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
	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 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	2535~2655	2535~2655
	LTE Band 66	1710~1780	2110~2200
	Wi-Fi 2.4G	2412~2462	2412~2462
	Bluetooth	2402~2480	2402~2480
	Wi-Fi 5G	5150~5850	5150~5850
	FM	/	88~108
	GNSS(GPS/Galileo /Glonass /Beidou/ SBAS)	/	1559~1610



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Remark:

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

Accessory:

Item No.	Mode No.	Manufacturer
Adapter 1	VCB3H DUH	Shenzhen Huntkey Electric Co.,Ltd
Adapter 2	VCB3H DUH	Huizhou Golden Lake Industrial Co., Ltd.
USB cable 1	DL129	/
USB cable 2	DL143	/
Earphone	XE160	/
Battery	BLPA19	Chongqing CosMX Battery Co., Ltd.

Remark: Adapter 1&2 and USB cable 1&2 were selected to test.



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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:

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
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:	101.0kPa
Pretest these modes to find the worst case:	a: adapter(1)+usb Cable(1)+Earphones+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM850 (RX) Low b: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid c: adapter(2)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 5 (RX) High d: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+GNSS+LTE Band 12 (RX) Low e: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+FM+LTE Band 13 (RX) Mid f: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+LTE Band 17 (RX) High g: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+Earphones+2.4GWLAN(Idle)+LTE Band 26 (RX) Low h: Transfer data between the EUT and the PC+USB cable(2)+BT(Idle)+Earphones+5GWLAN(Idle)+LTE Band 26 (RX) Low
The worst case for final test:	c: adapter(2)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 5 (RX) High h: Transfer data between the EUT and the PC+USB cable(2)+BT(Idle)+Earphones+5GWLAN(Idle)+LTE Band 26 (RX) Low



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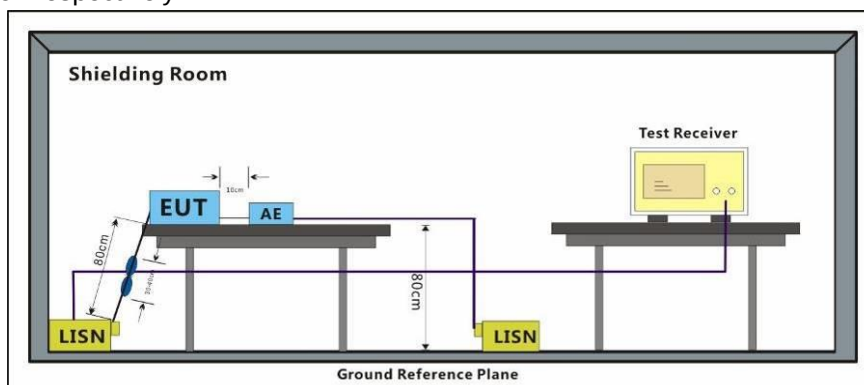
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2.1.2 Test Setup Procedures

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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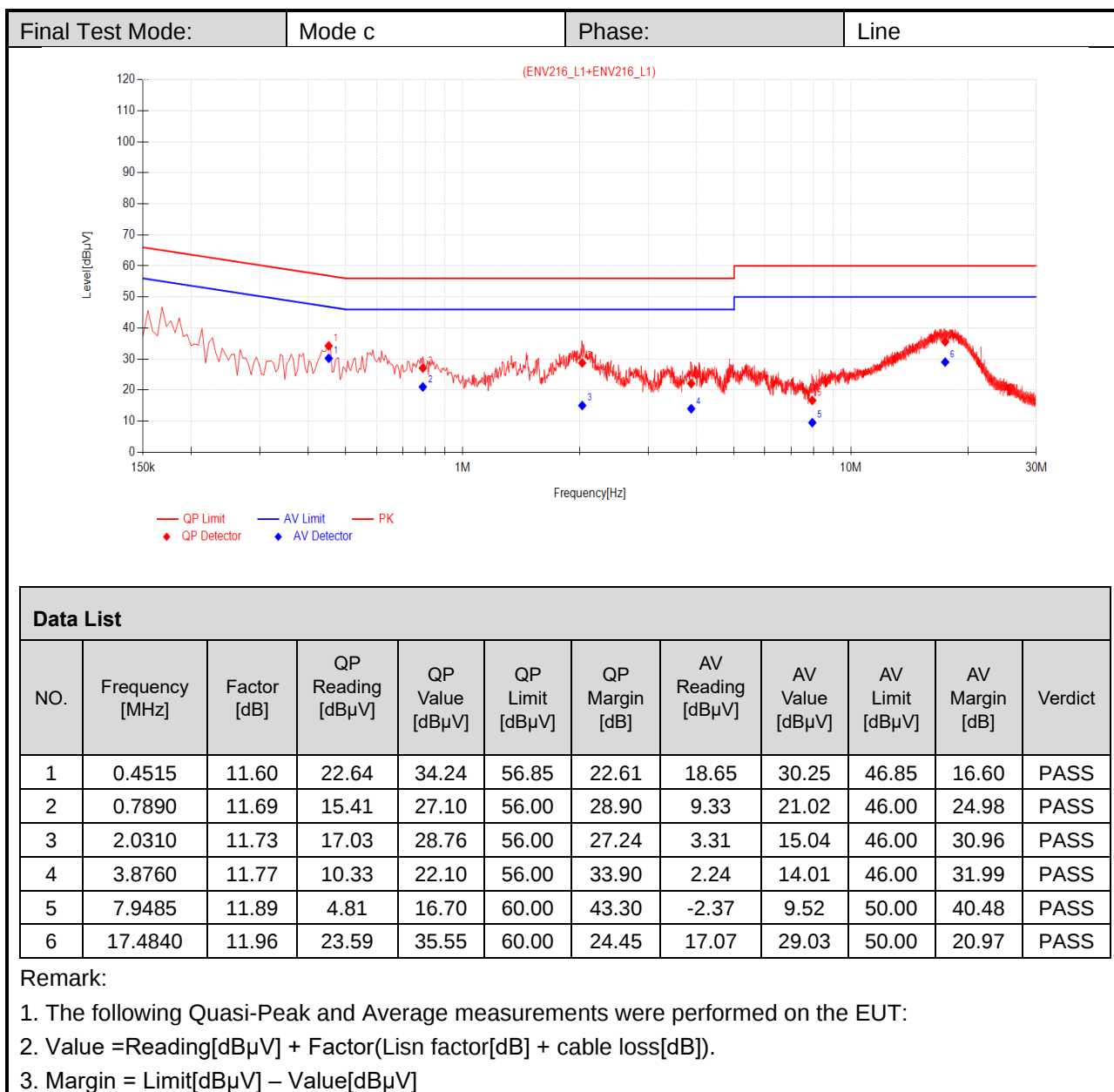
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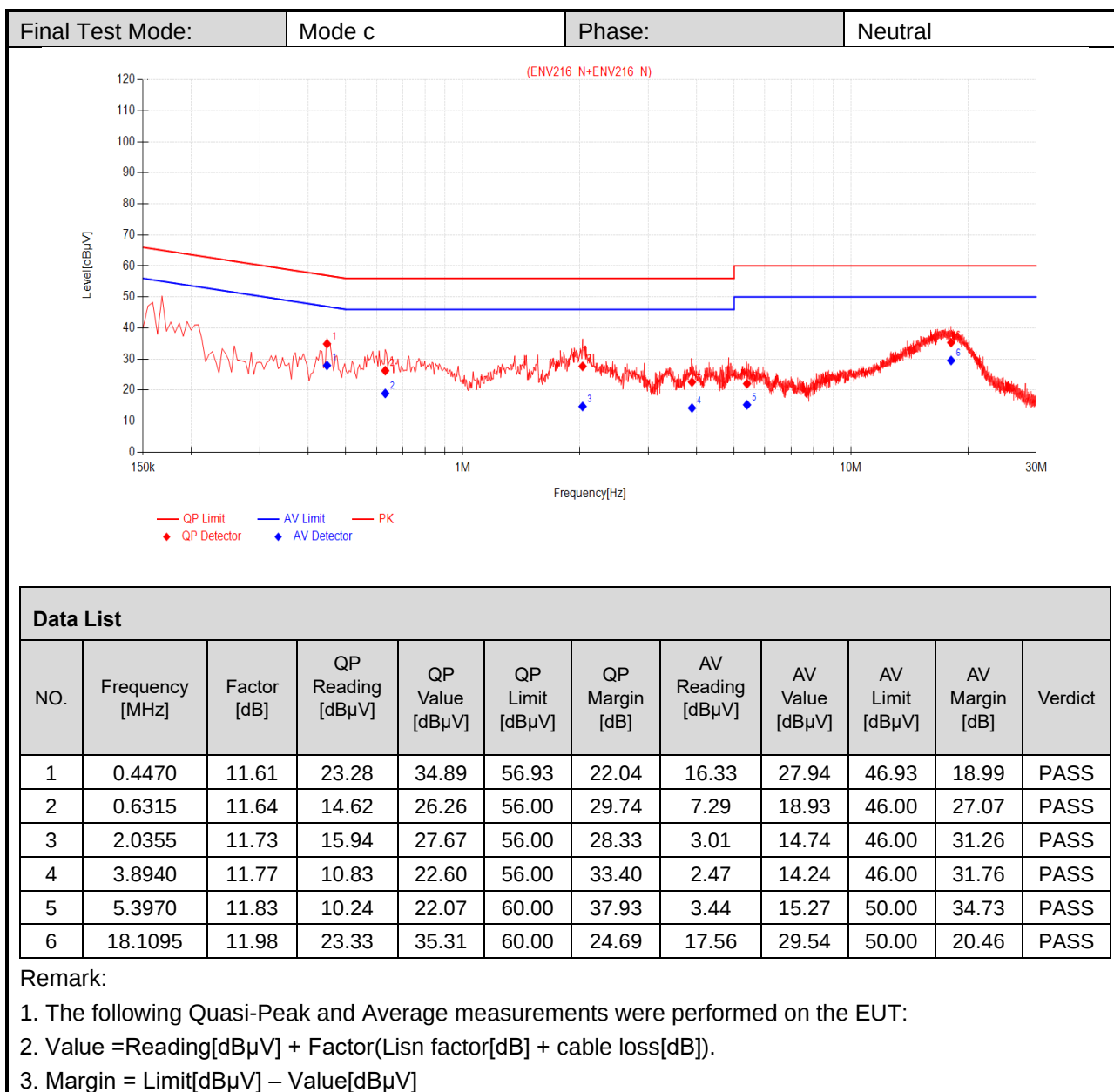
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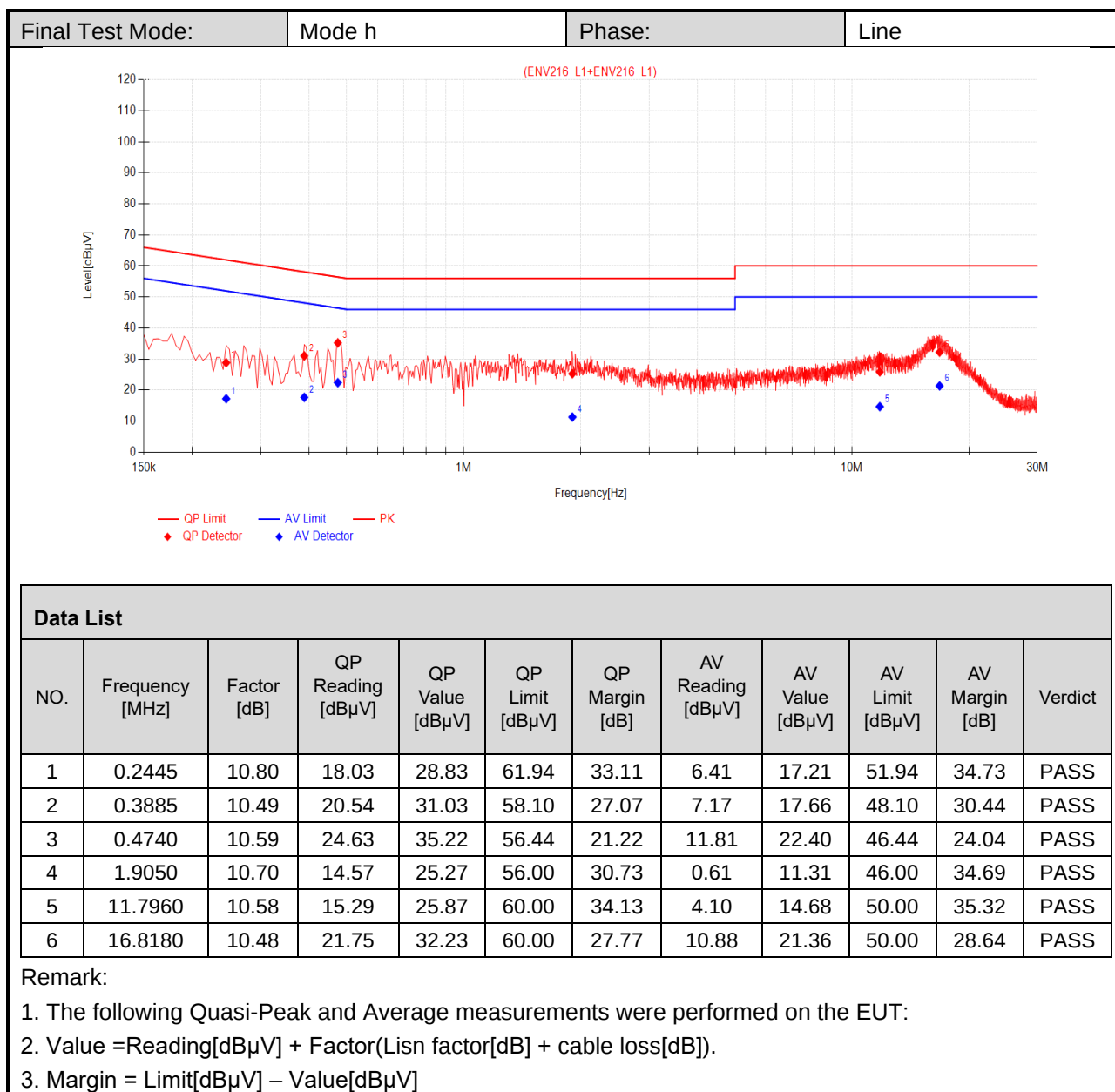
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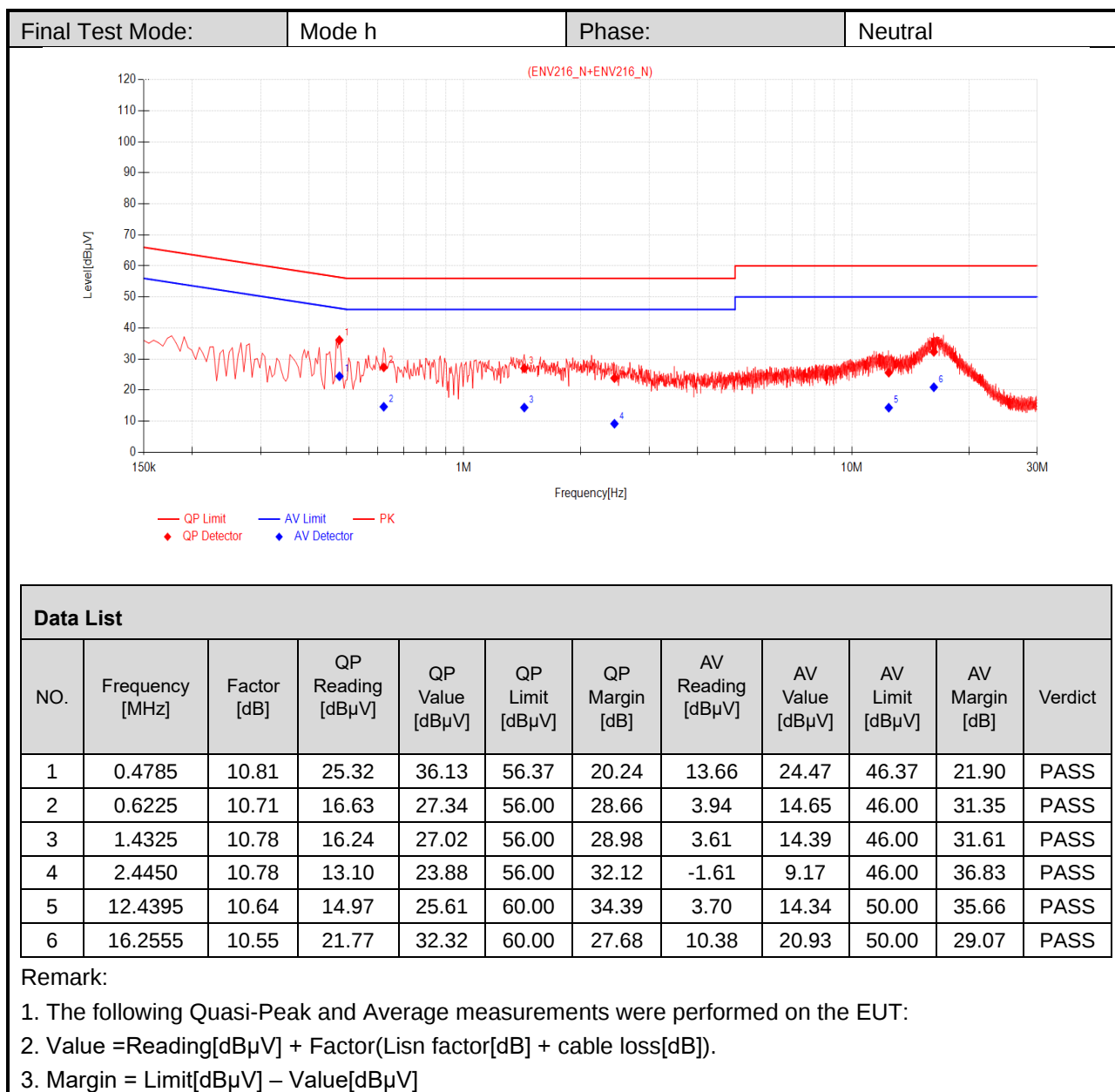
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2.2 Radiated Emissions (30MHz-1GHz)

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:	101.0kPa
Pretest these modes to find the worst case:	a: adapter(1)+usb Cable(1)+Earphones+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM850 (RX) Low b: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid c: adapter(2)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 5 (RX) High d: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+GNSS+LTE Band 12 (RX) Low e: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+FM+LTE Band 13 (RX) Mid f: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+LTE Band 17 (RX) High g: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+Earphones+2.4GWLAN(Idle)+LTE Band 26 (RX) Low h: Transfer data between the EUT and the PC+USB cable(2)+BT(Idle)+Earphones+5GWLAN(Idle)+LTE Band 26 (RX) Low
The worst case for final test:	b: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid g: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+Earphones+2.4GWLAN(Idle)+LTE Band 26 (RX) Low



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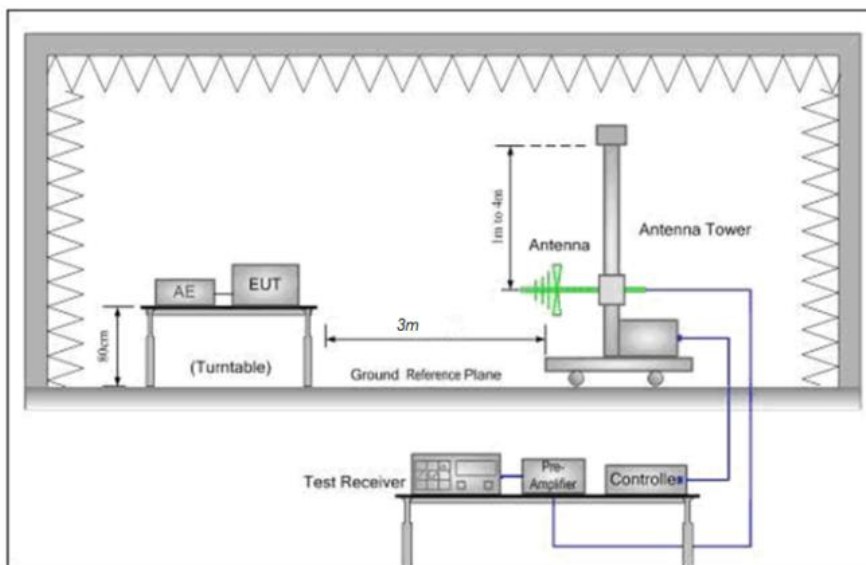
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2.2.2 Test Setup Procedures

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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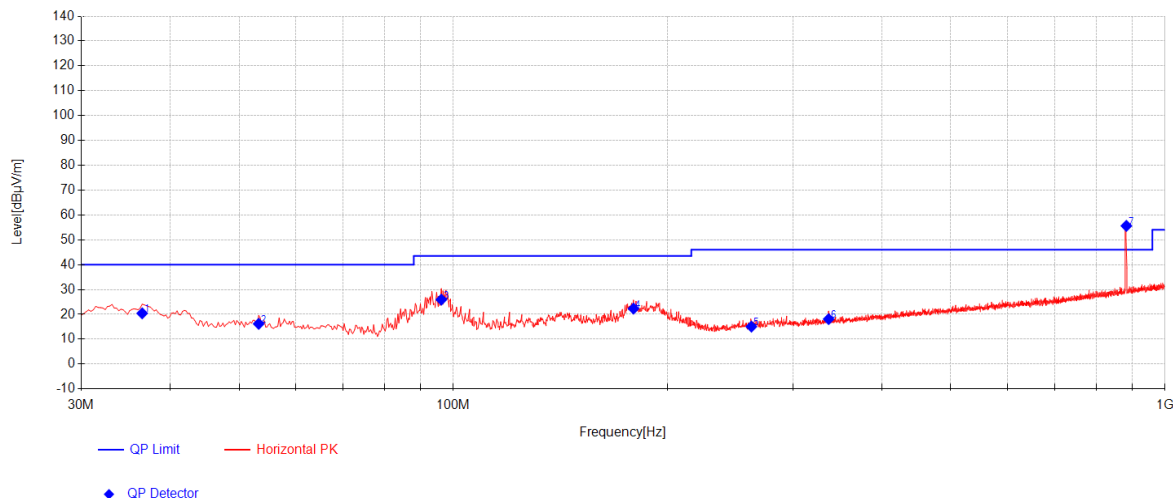
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Final Test Mode:

Mode b

Polarization:

Horizontal



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.5475	35.55	18.87	-34.00	20.42	40.00	19.58	142	13	Horizontal
2	53.28	31.05	19.07	-33.94	16.18	40.00	23.82	265	19	Horizontal
3	96.2025	44.25	15.20	-33.51	25.93	43.50	17.57	285	250	Horizontal
4	179.1375	38.63	16.58	-32.89	22.32	43.50	21.18	254	66	Horizontal
5	262.315	30.26	17.19	-32.38	15.07	46.00	30.93	142	97	Horizontal
6	336.7625	30.54	19.53	-31.97	18.10	46.00	27.90	263	128	Horizontal
7*	882.3875	55.33	29.65	-29.37	55.61	-	-	228	190	Horizontal

Remark:

1. The Quasi-Peak measurements were performed on the EUT.

2. Value = Reading + AF + Factor:

AF = Antenna Factor(dB/m)

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

Margin = Limit[dBμV/m] - Value[dBμV/m]

Note*: #7 30M-1G: is system simulator signal which can be ignored.



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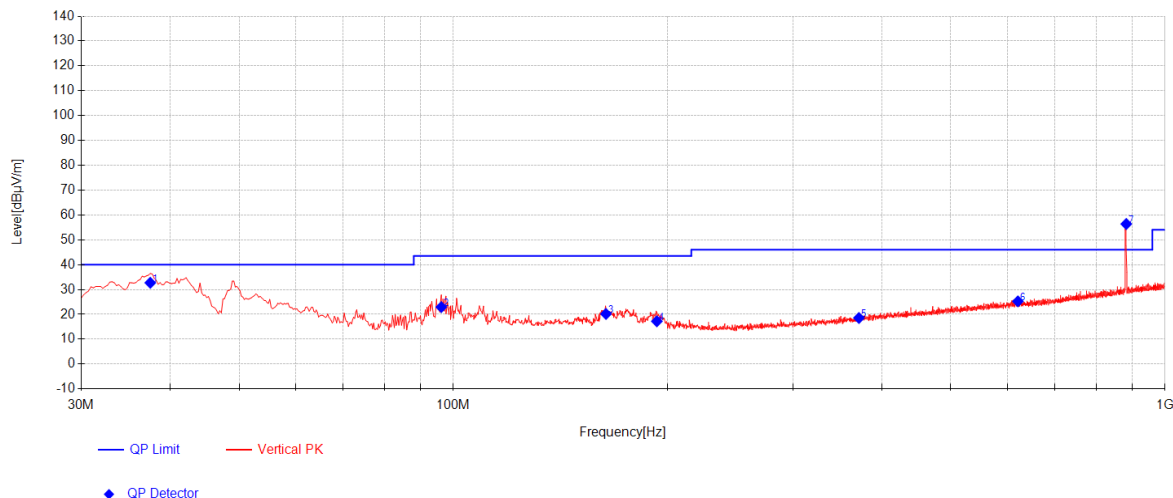
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Final Test Mode:

Mode b

Polarization:

Vertical



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.5175	47.59	19.10	-34.00	32.70	40.00	7.30	142	251	Vertical
2	96.2025	41.26	15.20	-33.51	22.94	43.50	20.56	265	179	Vertical
3	163.86	35.23	17.95	-33.02	20.17	43.50	23.33	285	51	Vertical
4	193.2025	34.36	15.64	-32.79	17.21	43.50	26.29	255	88	Vertical
5	371.44	29.68	20.50	-31.64	18.54	46.00	27.46	142	112	Vertical
6	621.215	30.26	25.43	-30.45	25.24	46.00	20.76	263	243	Vertical
7*	882.145	56.08	29.65	-29.37	56.36	-	-	228	163	Vertical

Remark:

1. The Quasi-Peak measurements were performed on the EUT.

2. Value = Reading + AF + Factor:

AF = Antenna Factor(dB/m)

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

Margin = Limit[dBμV/m] - Value[dBμV/m]

Note*: #7 30M-1G: is system simulator signal which can be ignored.



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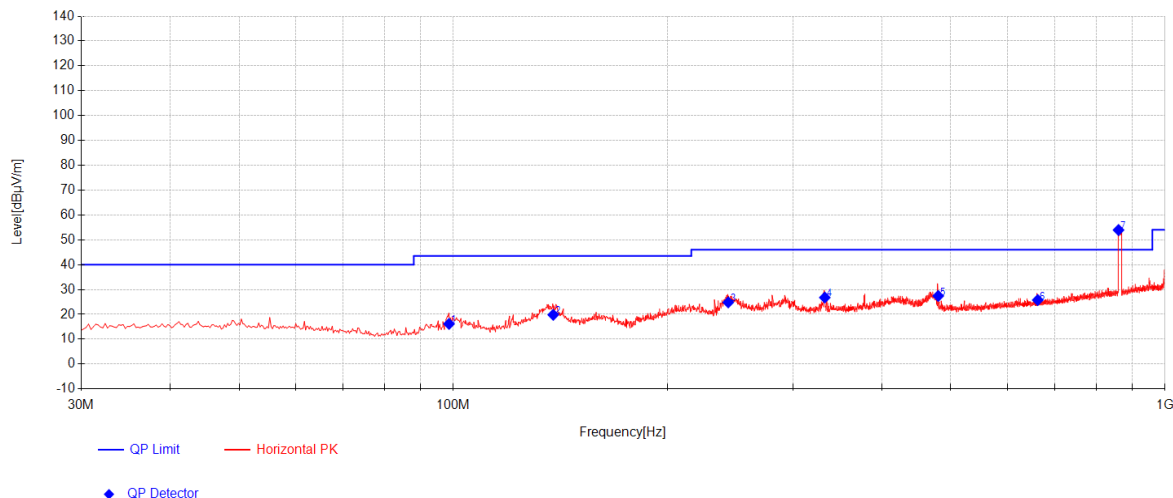
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Final Test Mode:

Mode g

Polarization:

Horizontal



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	98.6275	34.26	15.39	-33.49	16.16	43.50	27.34	142	209	Horizontal
2	138.155	34.59	18.48	-33.25	19.82	43.50	23.68	265	331	Horizontal
3	243.4	40.05	17.27	-32.48	24.83	46.00	21.17	285	77	Horizontal
4	332.64	39.35	19.41	-32.00	26.77	46.00	19.23	254	264	Horizontal
5	480.08	35.63	22.98	-31.20	27.41	46.00	18.59	142	54	Horizontal
6	662.44	30.25	25.89	-30.37	25.76	46.00	20.24	263	33	Horizontal
7*	860.32	54.11	29.34	-29.52	53.94	-	-	118	161	Horizontal

Remark:

1. The Quasi-Peak measurements were performed on the EUT.

2. Value = Reading + AF + Factor:

AF = Antenna Factor(dB/m)

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

Margin = Limit[dBμV/m] - Value[dBμV/m]

Note*: #7 30M-1G: is system simulator signal which can be ignored.



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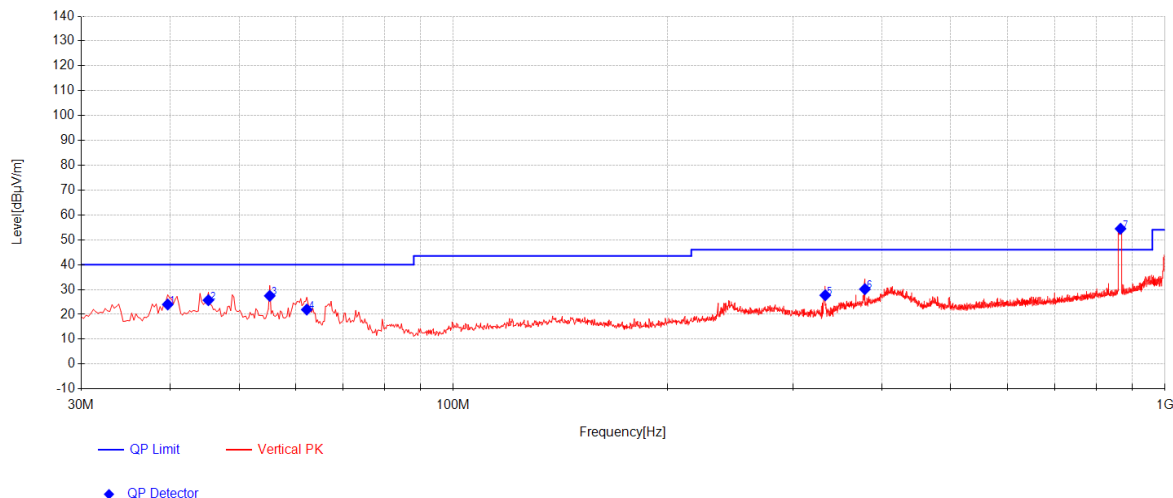
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Final Test Mode:

Mode g

Polarization:

Vertical



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.7	38.35	19.63	-34.00	23.98	40.00	16.02	142	6	Vertical
2	45.2775	40.25	19.44	-33.99	25.70	40.00	14.30	265	326	Vertical
3	55.22	42.38	18.99	-33.92	27.45	40.00	12.55	285	337	Vertical
4	62.2525	37.35	18.42	-33.83	21.93	40.00	18.07	254	47	Vertical
5	333.125	40.26	19.43	-32.00	27.69	46.00	18.31	142	257	Vertical
6	378.715	41.05	20.70	-31.62	30.14	46.00	15.86	263	359	Vertical
7*	865.8975	54.5	29.42	-29.47	54.45	-	-	305	224	Vertical

Remark:

1. The Quasi-Peak measurements were performed on the EUT.

2. Value = Reading + AF + Factor:

AF = Antenna Factor(dB/m)

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

Margin = Limit[dBμV/m] - Value[dBμV/m]

Note*: #7 30M-1G: is system simulator signal which can be ignored.



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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 (100kHz 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:	101.0kPa
Pretest these modes to find the worst case:	a: adapter(1)+usb Cable(1)+Earphones+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM850 (RX) Low b: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid c: adapter(2)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+MP4+LTE Band 5 (RX) High d: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+GNSS+LTE Band 12 (RX) Low e: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+2.4GWLAN(Idle)+FM+LTE Band 13 (RX) Mid f: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+LTE Band 17 (RX) High g: Transfer data between the EUT and the PC+USB cable(1)+BT(Idle)+Earphones+2.4GWLAN(Idle)+LTE Band 26 (RX) Low h: Transfer data between the EUT and the PC+USB cable(2)+BT(Idle)+Earphones+5GWLAN(Idle)+LTE Band 26 (RX) Low
The worst case for final test:	b: adapter(1)+usb Cable(2)+Earphones+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid



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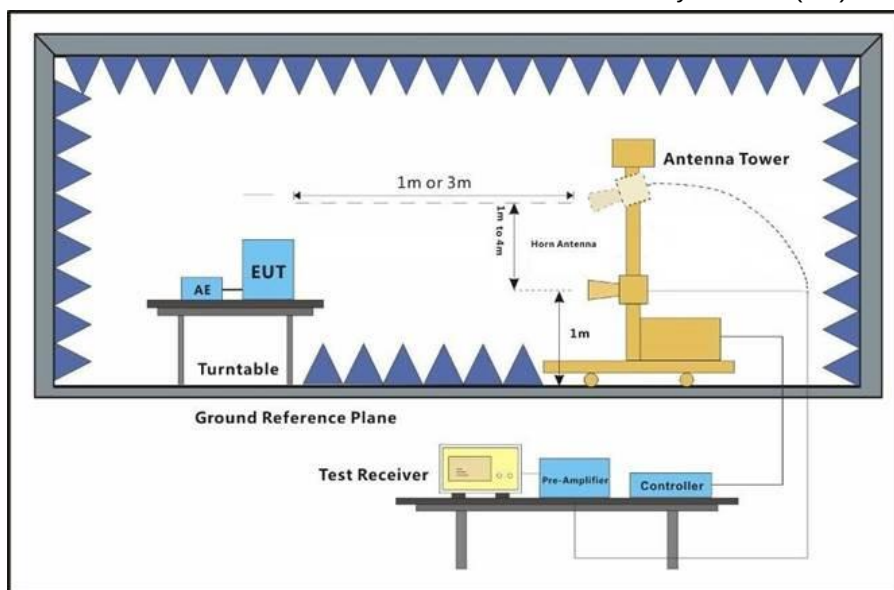
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2.3.2 Test Setup Procedures

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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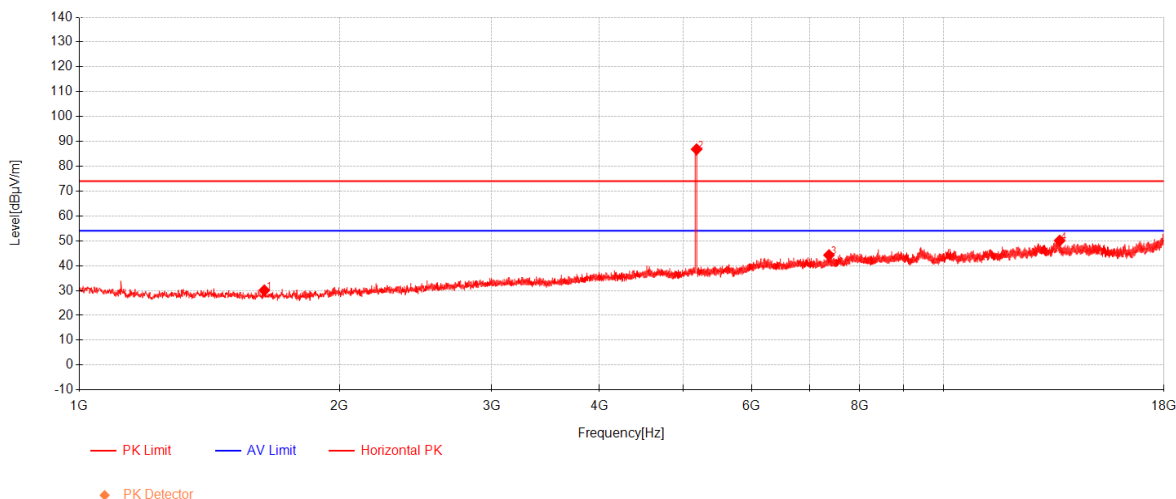
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Final Test Mode:

Mode b

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	1637.5	53.91	24.60	30.09	-48.42	74.00	43.91	102	0	Horizontal
2*	5181.15	97.74	33.16	86.85	-44.05	-	-	265	156	Horizontal
3	7372.45	49.64	36.45	44.24	-41.85	74.00	29.76	228	82	Horizontal
4	13631	44.57	40.04	50.07	-34.54	74.00	23.93	114	357	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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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

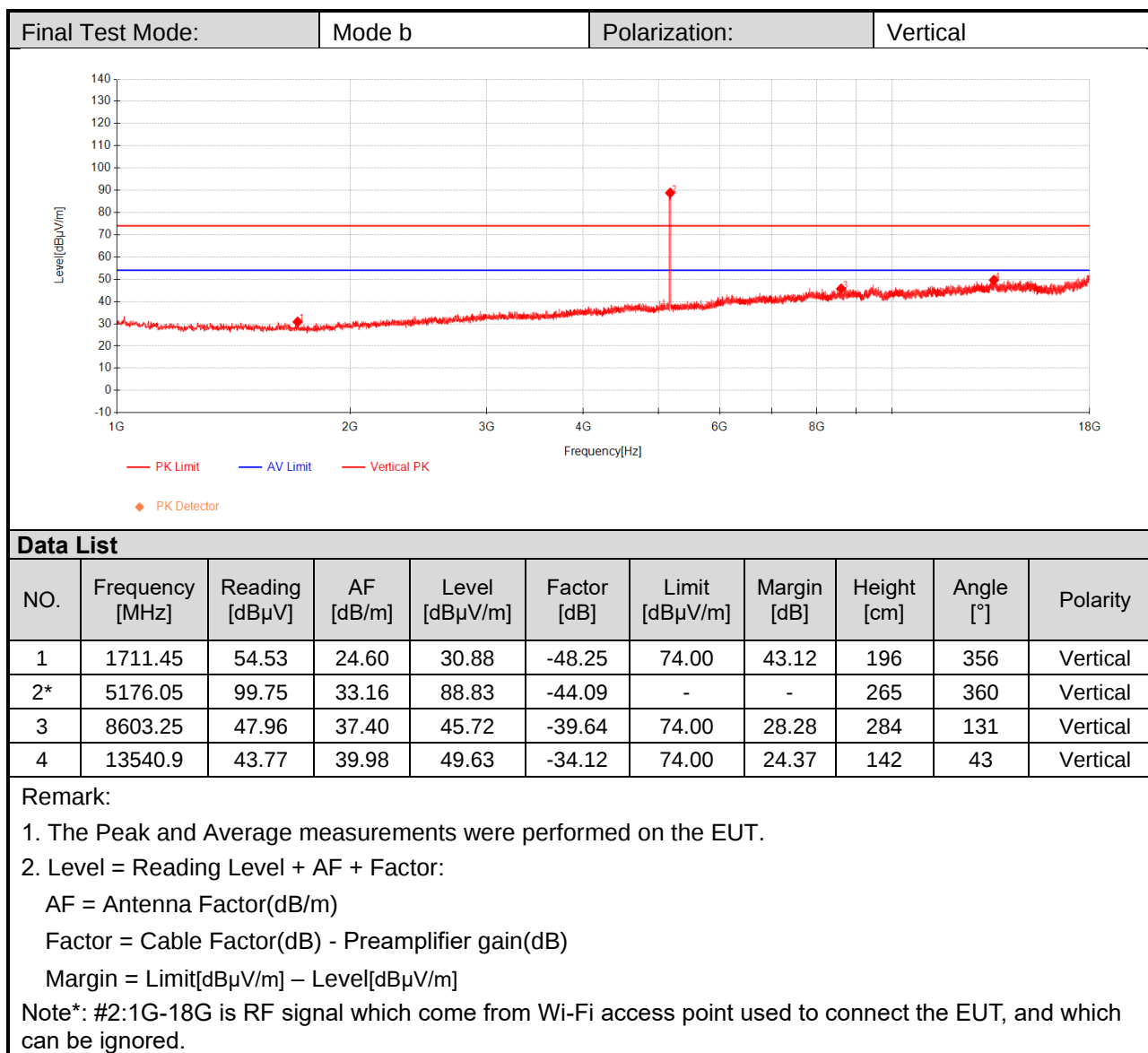
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3 Equipment List

Conduction Test Equipment					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-16-08	2023/02/06	2024/02/05
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2023/02/07	2024/02/06
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
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
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	$\pm 2.9\text{dB}$ (150kHz to 30MHz)
2	Radiated Emission	$\pm 4.8\text{dB}$ (30M -1GHz)
		$\pm 4.8\text{dB}$ (1GHz to 18GHz)
		$\pm 4.80\text{dB}$ (Above 18GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (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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