

EMI TEST REPORT

Product Name:	IP	Phone
---------------	----	-------

Model Number: eSpace 6805

Brand Name:

Prepared for Huawei Technologies Co., Ltd.

FCC ID: QIS-ESPACE6805

Classification: Part 15 Class B Computing Device

Peripheral(JBP)

According to FCC 47 CFR Part 15, Subpart B

Test Report #: SHE-1606-11516-FCC

Nancy Han /Assistant Company Name Prepared by:

Jawen Yin/ Senior Engineer Company Name Reviewed by:

QC Manager: **ECMG**

Swall Zhang/QC Manager Company Name

Test Report Released by: Swell Zhang July 6th, 2016

Swall Zhang Date

Verdict

^{*:}In the configuration, the EUT complied with the standard specified above.

Revision History

Rev.	Issue date	Revision	Revised by
01	07/06/2016	Initial review	Jawen Yin
/	/	/	/

Test Location

Tests performed in a Certified ANSI Semi-Anechoic Chamber and Shielded Room.

Test Site Location: NTEK Testing Technology

Co., Ltd.

1/F, Building E, Fenda Science Park Sanwei

Community, Xixiang Street, Baoan District, Shenzhen,

Guangdong

Tel: (86)-755-61156588

Fax: (86)-755-61156599

Accreditation Bodies

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

IC Registration No.: 9270A

The 3m alternate test site of NTEK Testing Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.:9270A on Aug, 2012.

FCC-Registration No.: 238937

NTEK Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 238937, Sep 06, 2013

Table of Contents

VEDDICT	,
VERDICT	2
GOVERNMENT DISCLAIMER NOTICE	2
REPRODUCTION CLAUSE	2
OPINIONS AND INTERPRETATIONS	2
STATEMENT OF MEASUREMENT UNCERTAINTY	2
ADMINISTRATIVE DATA	3
EUT DESCRIPTION	4
FREQUENCY RANGE OF RADIATED MEASUREMENTS	5
TEST SUMMARY	6
TEST MODE JUSTIFICATION	7
EUT EXERCISE SOFTWARE	7
EQUIPMENT MODIFICATION	7
EUT SAMPLE PHOTOS	8
TEST SYSTEM DETAILS	14
CONFIGURATION OF TESTED SYSTEM	15
ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS	16
ATTACHMENT 2 - RADIATED EMISSION MEASUREMENT	23

List Attached Files

Exhibit Type	File Description	File Name
Test Report	Test Report	QIS-ESPACE6805 _Test Report.pdf
Operation Description	Technical Description	QIS-ESPACE6805 _Operation description.pdf
External Photos	External Photos	QIS-ESPACE6805 _External Photos
Internal Photos	Internal Photos	QIS-ESPACE6805 _Internal Photos
Block Diagram	Block Diagram	QIS-ESPACE6805 _Block Diagram.pdf
Schematics	Circuit Diagram	QIS-ESPACE6805 _Schematics.pdf
ID Label/Location	Label and Location	QIS-ESPACE6805 _Label & Location.pdf
User Manual	User Manual	QIS-ESPACE6805 _User Manual.pdf
Test setup photos	Test set-up photos	QIS-ESPACE6805 _Test Set-up Photos

Government Disclaimer Notice

When government drawing, specification, or other data are used for any purpose other than in connection with a definitely related government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawing, specifications, or other data, is not to be regarded by implication or otherwise in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell patented invention that may in any way be related thereto. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Reproduction Clause

Any reproduction of this document must be done in full. No single part of this document may be reproduced without permission from ECMG Electronic Technical Testing Corp (Shenzhen).

Opinions and Interpretations

This test report relates to the abovementioned equipment under test (EUT). Without the permission of ECMG Electronic Technical Testing Corp (Shenzhen) Test Lab this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark on this or similar products. The manufacturer has sole responsibility of continued compliance of the device.

Statement of Measurement Uncertainty

The data and results referenced in the document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities that can account for a nominal measurement error. Furthermore, component and process variability of devices similar to that tested may result in additional deviation.

Administrative Data

Test Sample : IP Phone

Model Numbers : eSpace 6805

Model Tested : eSpace 6805

Date of Receipt : June 30th, 2016

Date Tested : June 30th, 2016

Applicant : Huawei Technologies Co., Ltd.

Address Administration Building, Huawei Base

Bantian Longgang District, Shenzhen

518129 P.R.C

Telephone : (86)-755-28786132

Fax : (86)-755-28566543

Manufacturer : Huawei Technologies Co., Ltd.

Address Administration Building, Huawei Base

Bantian Longgang District, Shenzhen

518129 P.R.C

Telephone : (86)-755-28786132

Fax : (86)-755-28566543

Factory : Huawei Technologies Co., Ltd.

Address Administration Building, Huawei Base

Bantian Longgang District, Shenzhen

518129 P.R.C

Telephone : (86)-755-28786132

Fax : (86)-755-28566543

EUT Description

Huawei Technologies Co., Ltd. Model Tested eSpace 6805 (referred to as the EUT in this report) is an IP Phone.

Technical specifications are as belows:

Parameter		Ranges
Basic	Rated voltage	5.0V
parameters	Rated Current	800mA
	LAN Ports	RJ-45 port for LAN(Uplink) connection, support PoE
	PC port	Connected with an PC
I/O Ports	Headset Jack	Connected with an headset
	Handset Jack	Connected with an handset
	/	/
	Input	AC 100-240 V 50/60 Hz
	Output	DC 5V, 800mA
	Model	NBS05B050080VU
Power	Brand name	Mass power
Adapter	Input	100-240VAC 50/60Hz
	Output	DC 5V, 800mA
	Model	R60UC0500080B
	Brand name	SUNLIGHT

For other informations &features please refer to user's manual of EUT.

Frequency Range Of Radiated Measurements

- (b) For unintentional radiators:
- (1) Except as otherwise indicated in paragraphs (b)(2) or (b)(3) of this section, for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30.
1.705-108	1000.
108-500	2000.
500-1000	5000.
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower.

Note: Since the highest frequency operated of the EUT is 208MHz, so upper frequency of radiated emission test is up to 2GHz as per $\S 15.33(b)(1)$.

Test Summary

The Electromagnetic Compatibility requirements on model eSpace 6805 for this test are stated below. All results listed in this report relate exclusively to this above-mentioned model as the Equipment under Test. This report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

Emission Tests					
Specifications	Description	Test Results	Test Point	Remark	
FCC Part 15.107 ANSI C63.4 -2014	Conducted Emission	Passed	AC Input Port	Attachment 1	
FCC Part 15.109 ANSI C63.4 -2014	Radiated Emission	Passed	Enclosure	Attachment 2	

Test Mode Justification

Pre-Scan has been conducted to determine the worst-case from all possible combination between available operation mode .Following mode(s) was (were) selected for the final test as listed below:

Pre-Test Mode				
	Mode 1: Communication with PC& IP Phone + Mass Power			
EMI Test Mode	Mode 2: Communication with PC& IP Phone + Sunlight Power			
	Mode 3: PoE Mode			
Final Test Mode				
	Mode 1: Communication with PC& IP Phone + Mass Power			
EMI Test Mode	Mode 2: Communication with PC& IP Phone + Sunlight Power			
	Mode 3: PoE Mode			

EUT Exercise Software

No test software support this test.

Equipment Modification

Any modifications installed previous to testing by Huawei Technologies Co., Ltd. will be incorporated in each production model sold or leased in United States.

There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen).

EUT Sample Photos

EUT Model: eSpace 6805



EUT- Top View



EUT- Bottom View



EUT- Left Side View



EUT- Right Side View



Power Adapter View(Manufacturer: Mass power)



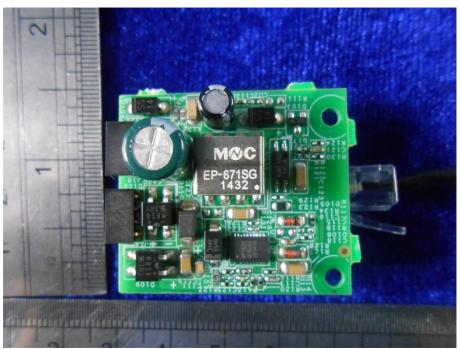
Power Adapter View(Manufacturer: Sunlight)



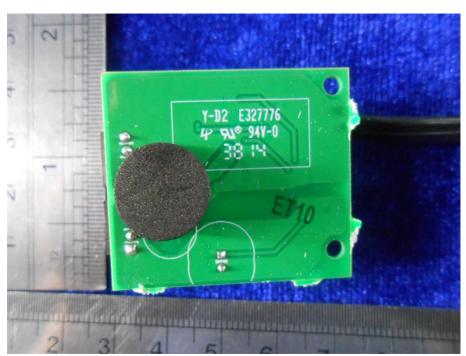
EUT-Uncovered View 01



EUT-Uncovered View 02



PoE Board-Top View



PoE Board-Bottom View



Mainboard-Top View



Mainboard-Bottom View

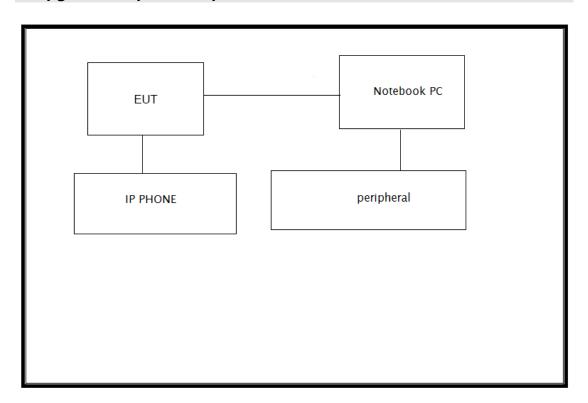
Test System Details

EUT						
Model Number: Description: Manufacturer: Input Voltage:	escription: IP Phone anufacturer: Huawei Technologies Co., Ltd.					
	Support Equipment					
Description	Description Model Number Serial Number Certificate Manufacturer					
Notebook PC	T400	6475	DoC	IBM		
Monitor	U2142M	/	DoC	DELL		
Mouse	N889	/	DoC	DELL		

	Cable Description						
Cable No.	Type of Cable	From	То	Length (Meters)	Shielded (Y/N)	Ferrite (Y/N)	
1	VGA Cable	Notebook PC	Monitor	1.2	Y	Υ	
2	Mouse cable	Notebook PC	Mouse	1.2	N	Υ	
3	RJ-45 Cable -1	EUT	Notebook PC	1.5	N	N	
4	RJ-45 Cable -2	EUT	IP Phone	2.0	N	N	
5	Power Adapter Cable	EUT	AC Plug	1.5	N	N	

Note: The EUT has been tested as an independent unit together with other necessary accessories or support units. the above support units or accessories were used to form a representative test configuration during the test tests.

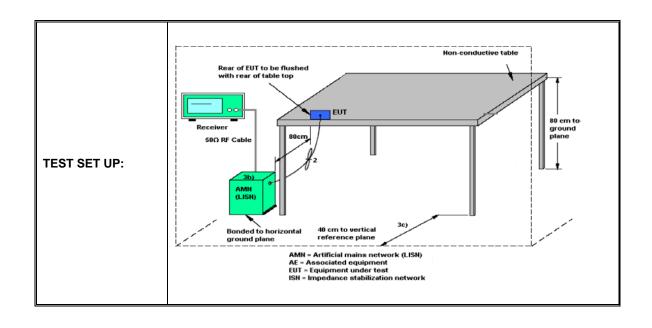
Configuration of Tested System



ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS

CLIENT:	Huawei Technologies Co., Ltd.	TEST STANDERD:	Section 15.107	
MODEL NUMBERS:	eSpace 6805	PRODUCT:	IP Phone	
MODEL TESTED:	eSpace 6805	EUT DESIGNATION:	Home or Office	
TEMPERATURE:	22°C	HUMIDITY:	48%	
ATM PRESSURE:	103kPa	GROUNDING:	None	
TESTED BY:	Alex Yu	DATE OF TEST:	June 30 th , 2016	
TEST REFERENCE:	ANSI C63.4- 2014			
	The EUT was set up according to the guidelines of ANSI C63.4: 2014 for conducted emissions. The measurement was using a AMN on each line and an EMI receiver peak scan was made at the frequency measurement range. The six highest significant peaks were then marked, and these signals were then quasipeaked and averaged.			
	The frequency range investigated was from 150KHz to 30MHz.			
TEST PROCEDURE:	Corrected Amplitude & Margin Calculation. The basic equation as follow: VC = VR + AC + VDF; Herein, VC: corrected voltage amplitude VR: reading voltage amplitude AC: attenuation caused by cable loss VDF: voltage division factor of AMN or ISN. The "Margin" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:			
TEST MODE:	Margin = Limit - Corrected	, unpilitude:		
TEST MODE:	Mode 1,Mode 2			
TESTED RANGE:	150kHz to 30MHz			
TEST VOLTAGE:	AC 120V/60Hz			
RESULTS:	The EUT meets the requirements of test reference for Conducted Emissions. The test results relate only to the equipment under test provided by client.			
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp(Shenzhen) test personnel.			
M. UNCERTAINTY:	The maximum measurement uncertainty is evaluated as: 150KHz~30MHz: 3.2dB. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.			

Continue on to next page...



EMI Receiver Set-up:

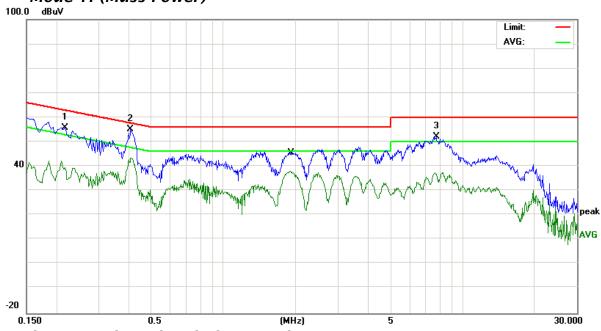
Frequency [MHz]	IF B/W
0.15 - 30	9KHz

Conducted Emission Limit:

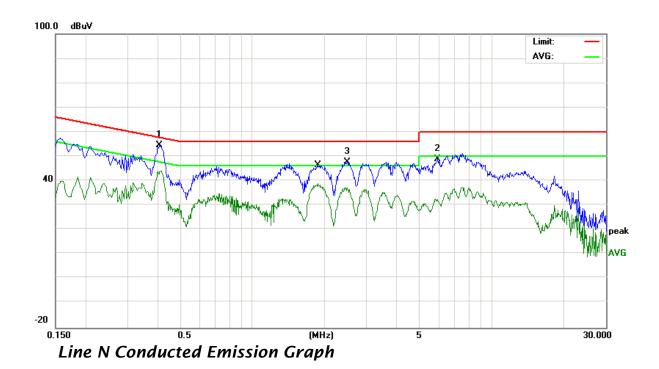
Frequency	Field strength [dBuV]				
[MHz]	Ouasi-peak	Average			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			

^{*}Decreases with the logatithm of the frequency.

Mode 1: (Mass Power)

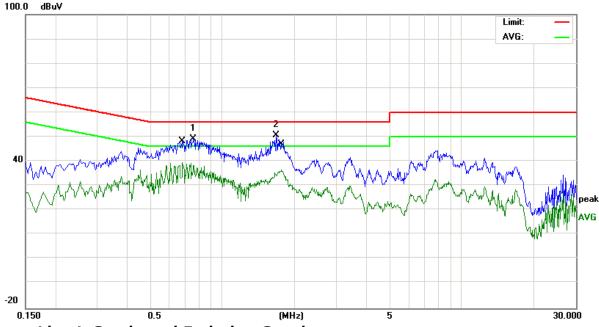


Line L Conducted Emission Graph

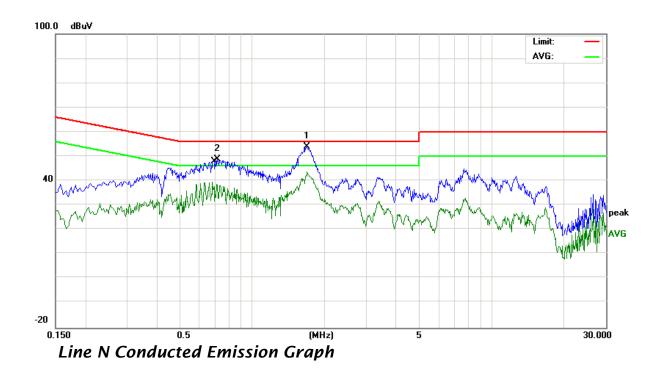


FCC Test Report #: SHE-1606-11516-FCC Prepared for Huawei Technologies Co., Ltd. Prepared by ECMG Electronic Technical Testing Corp (Shenzhen)

Mode 2:(Sunlight Power) 100.0 dBuV



Line L Conducted Emission Graph



FCC Test Report #: SHE-1606-11516-FCC Prepared for Huawei Technologies Co., Ltd. Prepared by ECMG Electronic Technical Testing Corp (Shenzhen)

Test Data: Mode 1:

Lines	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Over Limit QP(dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Over Limit AVE (dB)
L	0.218	55.60	62.89	-7.29	0.410	43.21	47.65	-4.44
L	0.410	54.70	57.65	-2.95	1.894	37.29	46	-8.71
/	/	/	/	/	/	/	/	/
N	0.410	54.60	57.65	-3.05	0.414	44.10	47.57	-3.47
N	5.930	48.73	60	-11.27	1.886	38.93	46	-7.07
/	/	/	/	/	/	/	/	/

Note:

Mode 2:

Lines	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Over Limit QP(dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Over Limit AVE (dB)
L	0.758	49.10	56	-6.90	0.682	39.40	46	-6.60
L	1.678	50.78	56	-5.22	1.766	36.58	46	-9.42
/	/	/	/	/	/	/	/	/
N	1. 682	53.90	56	-2.10	0.682	39.65	46	-6.35
N	0.714	48.96	56	-7.04	1.690	43.60	46	-2.40
/	/	/	/	/	/	/	/	/

¹⁾ All readings are using a bandwidth of 9 kHz, with a 500 ms sweep time. A video filter was not used.

²⁾ Other emission levels are too low against official limit that are not reported.

¹⁾ All readings are using a bandwidth of 9 kHz, with a 500 ms sweep time. A video filter was not used.

²⁾ Other emission levels are too low against official limit that are not reported.

Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	ESCI	R&S	101160	2016.04.25	2017.04.24
Line impedance stabilization network	ENV216	R&S	101313	2016.04.25	2017.04.24

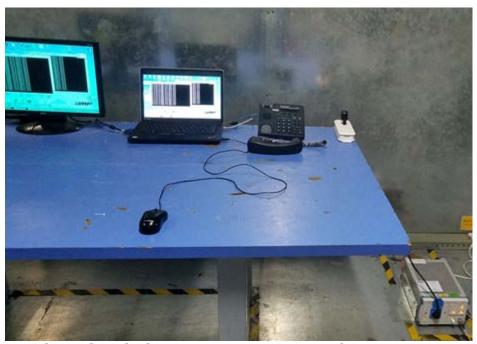
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.

TESTED BY:

ENGINEER

REVIEWED BY

SENIOR ENGINEER



Conducted Emission Test Set-up -Front view



Conducted Emission Test Set-up -Rear view

ATTACHMENT 2 - RADIATED EMISSION MEASUREMENT

CLIENT:	Huawei Technologies Co., Ltd.	TEST STANDERD:	Section 15.109		
MODEL NUMBERS:	eSpace 6805	PRODUCT:	IP Phone		
EUT MODEL:	eSpace 6805	EUT DESIGNATION:	Home or Office		
TEMPERATURE:	22°C	HUMIDITY:	47%RH		
ATM PRESSURE:	103.0kPa	GROUNDING:	None		
TESTED BY:	Alex Yu	DATE OF TEST:	June 30 th , 2016		
TEST REFERENCE:	ANSI C63.4: 2014				
TEST PROCEDURE:	The EUT was set up according to the guidelines of ANSI C63.4: 2014 for radiated emissions. An EMI receiver peak scan was made at the frequency measurement range (pre-scan) in an Anechoic chamber.signal discrimination was then performed and the significant peaks marked.these peaks were then quasi-peaked in the frequency range of 30 MHz to 1GHz and average and peak in the frequency range of 1GHz to 2GHz at an anechoic chamber. The following data lists the significant emission frequencies, measured levels, correction factors (including cable and antenna correction factors), and the corrected readings against the limits. Explanation of the Correction Factor are given as follows: FS= RA + AF + CF - AG Where: FS = Field Strength RA = Receiver Amplitude AF = Antenna Factor CF = Cable Attenuation Factor				
TEST MODE:	Mode 1,Mode 2,Mode 3				
TESTED RANGE:	30 to 2000MHz				
TEST VOLTAGE:	AC 120V/60Hz				
RESULTS:	The EUT meet the requirements results relate only to the equipm				
CHANGES OR MODIFICATIONS:	There were no modifications ins (Shenzhen). Test personnel.	stalled by ECMG Electronic	Technical Testing Corp		
M. UNCERTAINTY:	The maximum measurement un 30~1000MHz: 4.7dB;1~2GHz: 4 This uncertainty represents an 6 95% confidence level using a co	4.5dB. expanded uncertainty expr	essed at approximately the		

Continue on to next page...

EMI Receiver Set-up:

Frequency [MHz]	RBW	VBW	Detector
0.009-0.015	200Hz	1 KHz	Quasi-peak
0.015-30	9KHz	30kHz	Quasi-peak
30-1000	120KHz	300KHz	Quasi-peak
Above 1CUz	1 MHz	3MHz	Peak
Above 1GHz	1 MHz	3MHz	AVerage

Note 1: In the emission table above, the tighter limit applies at the band edges.

Note 2: (d) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

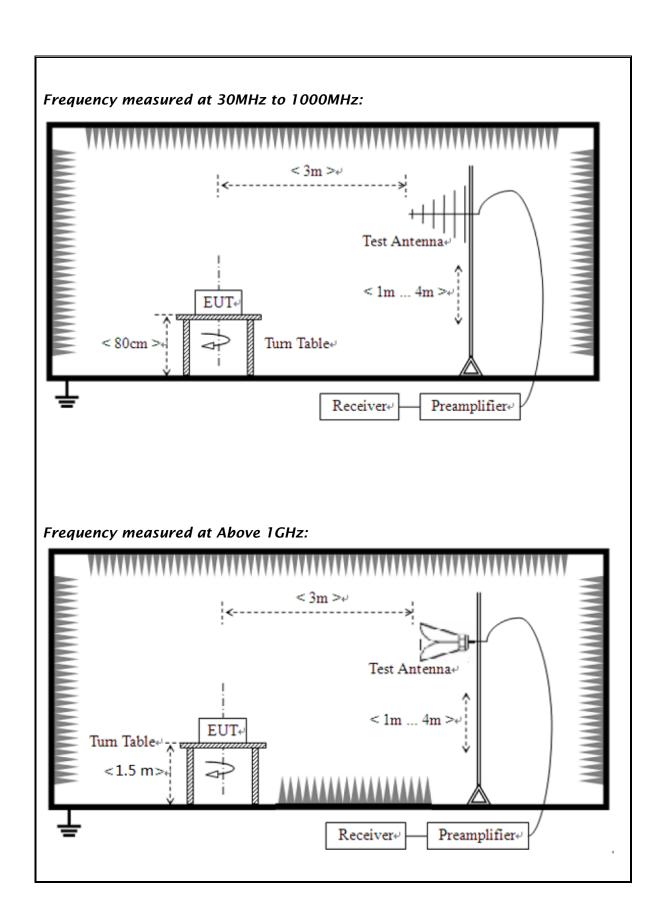
Radiated Emission Limit:

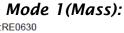
FCC	FCC Part 15 Subpart B&C Paragraph 15.109&15.209									
Frequency [MHz]	Field strength [V/m]	Limit@3m (dBuV/m)	Distance [Meters]							
0.009-0.490	2400/F(KHz)	128.5~93.8	300							
0.490-1.705	24000/F(KHz)	73.8~63.0	30							
1.705-30	30	69.5	30							
30-88	100	40	3							
88-216	150	43.5	3							
216-960	200	46	3							
Above 960	500	54	3							

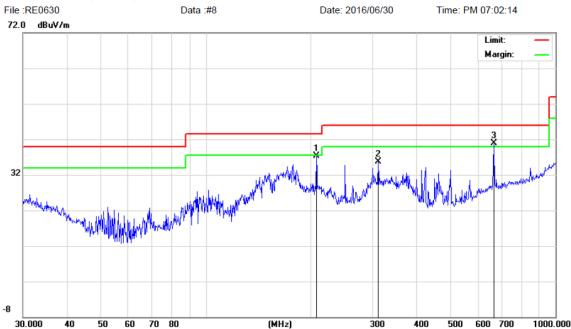
Note 1: The lower limit shall apply at the transition frequency. Note 2: Distance refers to the distance in meters between the

measuring instrument antenna and the closed point of any part of the device or system.

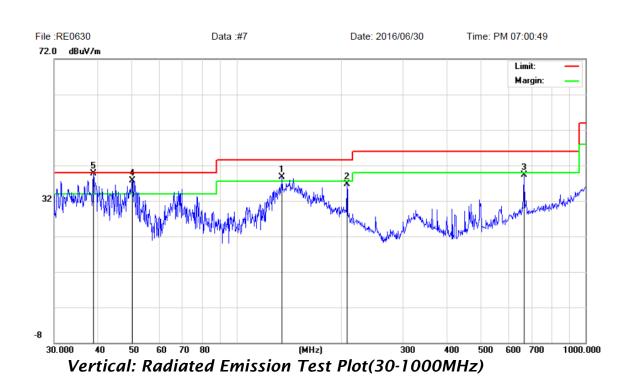
Note 3: E field strength $(dB\mu V/m) = 20 \log E$ field strength (uV/m)



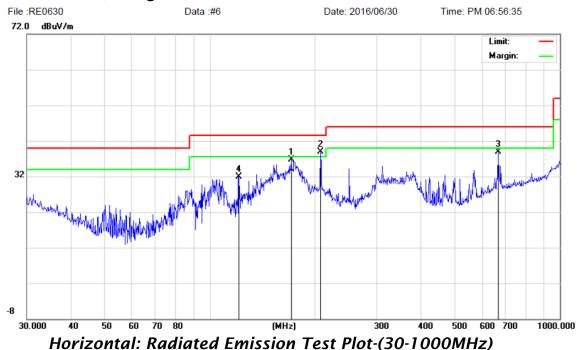


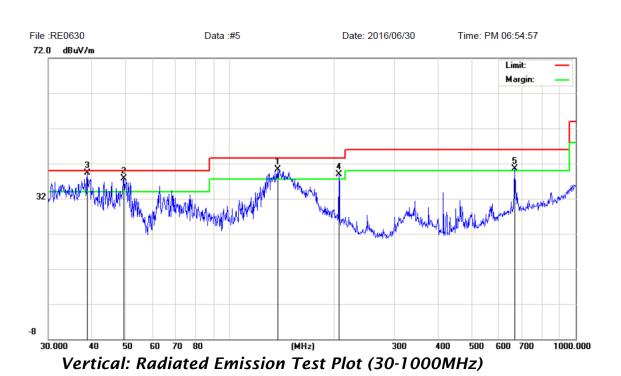


Horizontal: Radiated Emission Test Plot(30-1000MHz)

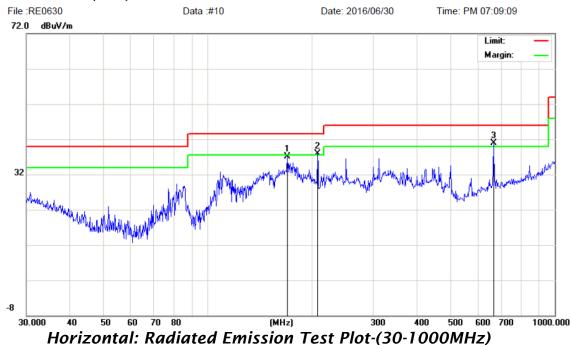


Mode 2(Sunlight):





Mode 3(PoE):



(MHz)

Vertical: Radiated Emission Test Plot(30-1000MHz)

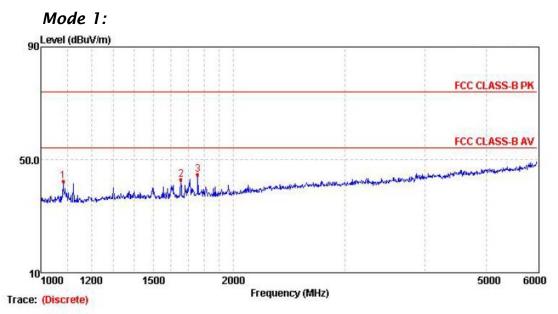
50 60 70 80

-8

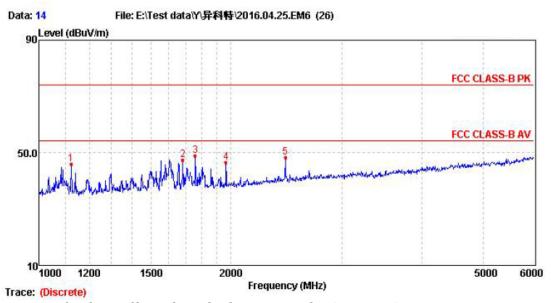
30.000

500 600 700

1000.000



Horizontal: Radiated Emission Test Plot(1-6GHz)



Vertical: Radiated Emission Test Plot(1-6GHz)

Test Data: Mode 1&Below 1GHz:

Frequency (MHz)	Polarizatio n(H/V)	Factor (dB)	Reading Level QP (dBuV/m)	Emission Level QP (dBuV/m)	Limit (dBuV/m)	Over Limt (dB)
207.12	Н	12.61	24.60	37.21	43.5	-6.29
375.94	Н	14.29	21.38	<i>35.57</i>	46	-10.33
625.08	Н	22.00	18.84	40.84	46	-5.16
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
135.03	V	12.06	26.60	38.66	40	-1.34
207.12	V	12.61	24.17	36.78	43.5	-6.72
665.80	V	22.00	17.38	39.38	46	-6.62
38.89	V	15.85	21.84	37.69	40	-2.31
/	/	/	/	/	/	/
/	/	/	/	/	/	/

- 1. All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 60 s sweep time. A video filter was not used.
- 2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Emission Level =Reading Level + Antenna Factor + Cable Loss -Preamplifier Factor.
- 3. The other emission levels are 20dB below the official limits that are not reported.

Mode 2&Below 1GHz:

Frequency (MHz)	Polarizatio n(H/V)	Factor (dB)	Reading Level QP (dBuV/m)	Emission Level QP (dBuV/m)	Limit (dBuV/m)	Over Limt (dB)
207.12	Н	12.61	26.28	38.89	43.5	-4.61
170.79	Н	13.58	23.15	36.73	43.5	-6.77
665.80	Н	22.00	16.82	38.82	46	-7.18
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
137.90	V	12.08	24.78	36.86	40	-3.14
207.12	V	12.61	26.29	38.90	43.5	-4.60
668.14	V	22.06	18.54	40.60	46	-5.40
38.89	V	15.85	21.84	37.33	40	-2.67
/	/	/	/	/	/	/
/	/	/	/	/	/	/

- 1. All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 60 s sweep time. A video filter was not used.
- 2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Emission Level =Reading Level + Antenna Factor + Cable Loss -Preamplifier Factor.
- 3. The other emission levels are 20dB below the official limits that are not reported.

Mode 3&Below 1GHz:

Frequency (MHz)	Polarizatio n(H/V)	Factor (dB)	Reading Level QP (dBuV/m)	Emission Level QP (dBuV/m)	Limit (dBuV/m)	Over Limt (dB)
207.12	Н	12.61	25.30	<i>37.91</i>	43.5	-5.59
169.60	Н	13.54	23.56	37.10	43.5	-6.40
665.80	Н	22.00	18.88	40.88	46	-5.12
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
43.51	V	13.56	25.10	38.66	40	-1.34
51.66	V	9.69	27.09	36.78	40	-3.22
665.80	V	22.00	17.38	39.38	46	-6.62
38.89	V	15.85	22.84	38.69	40	-1.31
/	/	/	/	/	/	/
/	/	/	/	/	/	/

- 1. All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 60 s sweep time. A video filter was not used.
- 2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Emission Level =Reading Level + Antenna Factor + Cable Loss -Preamplifier Factor.
- 3. The other emission levels are 20dB below the official limits that are not reported.

Mode 1&Above 1GHz:

Frequency (MHz)	Factor (dB)	Reading Level (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Polarization (H/V)				
	Peak Measurement									
1083.97	-14.85	57.02	42.17	74	-31.83	Н				
1657.44	-13.45	56.03	42.58	74	-31.42	Н				
1761.55	-13.15	57.53	44.38	74	-29.62	Н				
/	/	/	/	/	/	/				
1684.39	-13.42	60.69	47.27	74	-26.73	V				
1761.55	-13.15	61.70	48.55	74	-25.45	V				
2440.73	-10.01	58.18	48.17	74	-25.83	V				
/	/	/	/	/	/	/				
		Avar	age Meası	irement						
1083.97	-14.85	45.33	30.48	54	-23.52	Н				
1657.44	-13.45	46.03	32.58	54	-21.42	Н				
1761.55	-13.15	47.53	34.38	54	-19.62	Н				
/	/	/	/	/	/	/				
1684.39	-13.42	50.69	37.27	54	-16.73	V				
1761.55	-13.15	51.70	38.55	54	-15.45	V				
2440.73	-10.01	48.18	38.17	54	-15.83	V				
/	/	/	/	/	/	/				

- 1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Emission Level =Reading Level + Antenna Factor + Cable Loss -Preamplifier Factor.
- 2. The limits shown are based on Peak value and Average value detector above 1GHz, the bandwidth of Test Receiver was set at 1MHz above 1GHz.
- 3. The other emission levels are 20dB below the official limits that are not reported.

Test Equipment List:

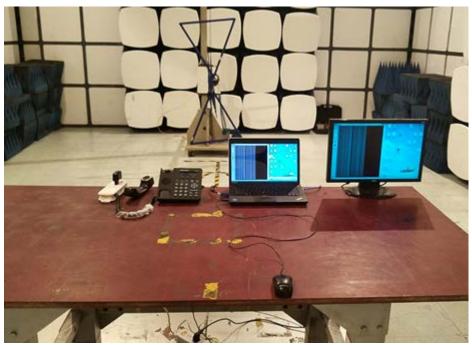
rest Equipment Listi					
Test Equipment	Manufacturer	Model	Cal. Interval	Serial No.	Cal. Due Date
EMI Test Receiver	R&S	ESP17	1 year	101318	2017.04.24
Bilog Antenna	TESEQ	CBL6111D	1 year	31216	2017.04.24
Horn Antenna	Schwarzbeck	BBHA 9120A	1 year	451	2017.04.24
Low Noise Pre- Amplifier	TSJ	MLA-0120- A20-34	1 year	2648A04738	2017.01.04
Low Noise Pre- Amplifier	EMCI	EMC051835	1 year	980075	2017.01.04

TESTED BY:

ENGINEER

REVIEWED BY:

SENIOR ENGINEER



Radiated Emission Test Set-up(30-1000MHz)



Radiated Emission Test Set-up(Above 1GHz)

*** End Of Report ***

FCC Test Report #: SHE-1606-11516-FCC
Prepared for Huawei Technologies Co., Ltd.
Prepared by ECMG Electronic Technical Testing Corp (Shenzhen)