FCC Part 15B TEST REPORT

Report No: STS1705070E01

Issued for

DaFaith Trading, LLC

12934 Hideaway Lane, San Diego, CA 92131, United States

Product Name:	smart phone	
Brand Name:	NEOIX	
Model Name:	Brisa	
Series Model:	8S4128,S401BL,S401BK,S401GD	
FCC ID:	2ALWUBRISA	
Test Standard:	FCC Part 15B	

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TEST RESULT CERTIFICATION

Applicant's name: Da	Faith Trading, LLC
Address: 12	934 Hideaway Lane, San Diego, CA 92131,United States
Manufacture's Name: Sh	nenzhen Hexiang Enterprises Limited
Address Ro	oom:3-006AB, 3F., Tianxia IC Industrial Park, No. 133, Yiyuan oad, Nanshan District, Shenzhen, 518052 China
Product description	
Product name: sm	nart phone
Brand name: NE	EOIX
Model and/or type reference: Bri	isa ,8S4128,S401BL,S401BK,S401GD
Standards FC	CC Part 15B
Test procedureAN	NSI C63.4-2014
test (EUT) is in compliance with the identified in the report. This report shall not be reproduced	een tested by BZT, the test results show that the equipment under FCC requirements. And it is applicable only to the tested sample dexcept in full, without the written approval of BZT, this document personal only, and shall be noted in the revision of the document
Date of Test	
Date of performance of tests 1	0 May. 2017~15 May. 2017
Date of Issue 1	6 May. 2017
Test Result P	Pass
Testing Enginee	Barry Li
	(Barry li)
Technical Mana	ger: June
	(Chopin Xiao)
Authorized Sign	atory:

(Vita Li)

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Revision History

Rev.	Issue Date	Issue Date Report NO.		Contents
00	16 May. 2017 STS1705070E01		ALL	Initial Issue

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

EMISSION				
Standard	Item	Result	Remarks	
FCC 47 CFR Part 15 Subpart B	Conducted Emission	PASS	Meet Class B limit	
(10-1-05 Edition)	Radiated Emission	PASS	Meet Class B limit	

NOTE:

(1) " N/A" denotes test is not applicable in this Test Report

1.1 TEST FACTORY

BZT Testing Technology Co., Ltd.

Add.: Buliding 17, Xinghua Road Xingwei industrial Park Fuyong,

Baoan District, Shenzhen, Guangdong, China

FCC Registration No.: 701733

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y \pm U , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2 , providing a level of confidence of approximately 95 % ,

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	±2.88dB
2	Conducted Emission (150KHz-30MHz)	±2.67dB
3	RF power,conducted	±0.70dB
4	Spurious emissions,conducted	±1.19dB
5	All emissions,radiated(<30M) (9KHz-30MHz)	±2.45dB
6	All emissions,radiated(<1G) 30MHz-200MHz	±2.83dB
7	All emissions,radiated(<1G) 200MHz-1000MHz	±2.94dB
8	All emissions,radiated(>1G)	±3.03dB
9	Temperature	±0.5°C
10	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	smart phone
Trade Name	NEOIX
Model Name	Brisa
Series Model	8S4128,S401BL,S401BK,S401GD
Model Difference	Color appearance is not the same
MCU Operating frequency	2.48GHz
Adapter	Model: S401, Trade mark: NEOIX: Input: AC 100V-240V, 0.15A,50/60Hz Output: DC 5 V,1A
	Rated Voltage: 3.7V
Battery	Capacity: 1400mAh
	Charge Limit: 4.2V
Hardware version number	5110SD_F1_A.A1.SC7731C.M.WVGA.ME44.B125.2017042 9.zip
Software version number	5110SD_F1_A.A1.SC7731C.M.WVGA.ME44.B125.2017.429
Connecting I/O Port(s)	Please refer to the User's Manual

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Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description	
Mode 1	USB port communication with PC	

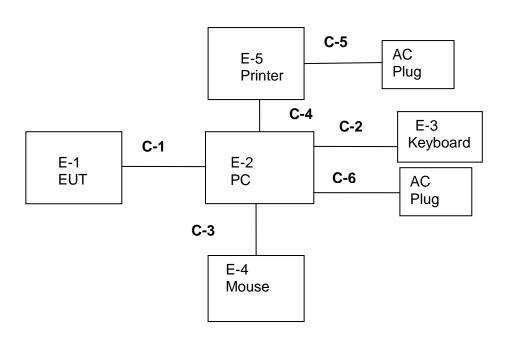
For Conducted Test			
Final Test Mode Description			
Mode 1	USB port communication with PC		

For Radiated Test			
Final Test Mode Description			
Mode 1	USB port communication with PC		

NOTE:

- 1. Due to the different configuration and test, in this list only some worse mode. The worst test data of the worse modeis reported by this report.
- 2. We have be tested for all avaiable U.S. voltage and frequencies(For 120V, 50/60Hz and 240V, 50/60Hz) for which the device is capable of operation.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-1	smart phone	NEOIX	Brisa	8S4128,S401BL,S401BK,S401GD	EUT
E-2	PC	N/A	N/A	N/A	N/A
E-3	Keyboard	N/A	N/A	N/A	N/A
E-4	Mouse	N/A	N/A	N/A	N/A
E-5	Printer	N/A	N/A	N/A	N/A
C-6	AC (PC Adapter)	N/A	N/A	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable (FTP)	NO	90cm	N/A
C-2	USB Cable (FTP)	NO	100cm	N/A
C-3	USB Cable (FTP)	NO	100cm	N/A
C-4	USB Cable (FTP)	NO	110cm	N/A
C-5	AC (Printer Cable) (FTP)	NO	100cm	N/A
C-6	AC (PC Cable) (FTP)	NO	120cm	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".
- (4) PC is the FCC DOC is approved.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

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

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until	
EMI Test Receiver	R&S	ESCI	101427	2016.10.25	2017.10.24	
Loop Antenna	Daze	ZN30900N	SEL0097	2016.10.27	2017.10.26	
Bilog Antenna	TESEQ	CBL6111D	34678	2016.11.25	2017.11.24	
Horn Antenna	Schwarzbeck	BBHA 9120D(1201)	9120D-1343	2017.03.06	2018.03.05	
PreAmplifier	Agilent	8449B	60538	2016.10.25	2017.10.24	
Temperature & Humitidy	Mieo	HH660	N/A	2016.10.28	2017.10.27	
Unversal radio communication tester	R&S	CMU200	111764	2016.10.25	2017.10.24	
Spectrum Analyzer	Agilent	E4407B	MY50140340	2016.10.25	2017.10.24	
Low frequency cable	EM	R01	N/A	N/A	N/A	
High frequency cable	SCHWARZBE CK	AK9515H	SN-96286/9628 7	N/A	N/A	
Semi-anechoic chamber	Changling	966	N/A	2016.10.25	2017.10.24	

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESPI	102086	2016.11.20	2017.11.19
LISN	R&S	ENV216	101242	2016.10.25	2017.10.24
LISN	EMCO	3810/2NM	000-23625	2016.10.25	2017.10.24
Conduction Cable	EM	C01	N/A	N/A	N/A
Shielding Room	Changling	854	N/A	2016.10.25	2017.10.24

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits

	Conducted Emission Limits (dBuV)				
FREQUENCY (MHz)	Clas	ss A	Class B		
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	
0.50 -5.0	73.00	60.00	56.00	46.00	
5.0 -30.0	73.00	60.00	60.00	50.00	

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

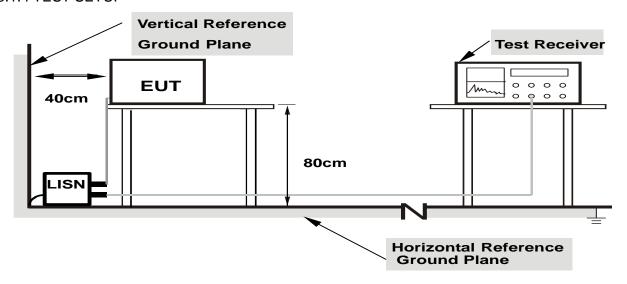
The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance

- a. stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
 - I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the
- cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.6 TEST RESULTS

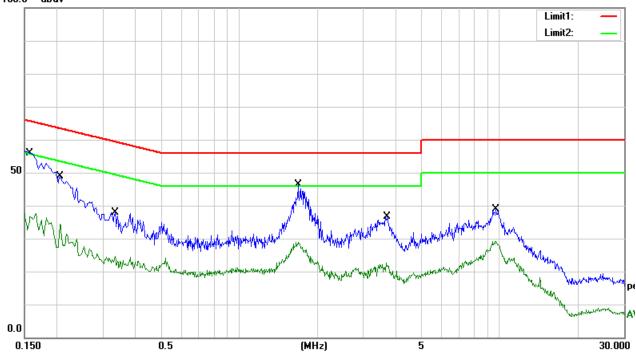
Temperature:	23.1 ℃	Relative Humidity:	61%
Pressure:	1010hPa	Phase:	L1
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1590	46.60	9.23	55.83	65.52	-9.69	QP
2	0.1590	27.26	9.23	36.49	55.52	-19.03	AVG
3	0.2060	39.67	9.22	48.89	63.37	-14.48	QP
4	0.2060	25.07	9.22	34.29	53.37	-19.08	AVG
5	0.3340	28.66	9.23	37.89	59.35	-21.46	QP
6	0.3340	15.38	9.23	24.61	49.35	-24.74	AVG
7	1.6820	37.07	9.22	46.29	56.00	-9.71	QP
8	1.6820	19.70	9.22	28.92	46.00	-17.08	AVG
9	3.7140	27.43	9.26	36.69	56.00	-19.31	QP
10	3.7140	13.38	9.26	22.64	46.00	-23.36	AVG
11	9.6860	29.27	9.48	38.75	60.00	-21.25	QP
12	9.6860	19.59	9.48	29.07	50.00	-20.93	AVG

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Margin = Result (Result = Reading + Factor)—Limit 100.0 dBuV

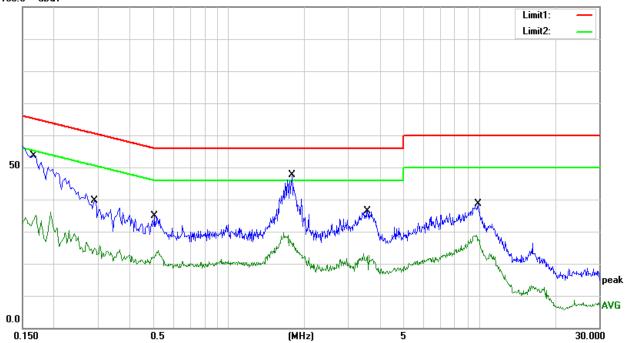


Temperature:	23.1℃	Relative Humidity:	61%
Pressure:	1010hPa	Phase:	N
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	44.37	9.23	53.60	65.16	-11.56	QP
2	0.1660	24.42	9.23	33.65	55.16	-21.51	AVG
3	0.2900	30.45	9.14	39.59	60.52	-20.93	QP
4	0.2900	14.85	9.14	23.99	50.52	-26.53	AVG
5	0.5060	25.83	9.14	34.97	56.00	-21.03	QP
6	0.5060	12.63	9.14	21.77	46.00	-24.23	AVG
7	1.7900	38.34	9.23	47.57	56.00	-8.43	QP
8	1.7900	16.68	9.23	25.91	46.00	-20.09	AVG
9	3.5820	27.10	9.26	36.36	56.00	-19.64	QP
10	3.5820	13.24	9.26	22.50	46.00	-23.50	AVG
11	9.8220	29.26	9.49	38.75	60.00	-21.25	QP
12	9.8220	17.73	9.49	27.22	50.00	-22.78	AVG

Remark:

- All readings are Quasi-Peak and Average values.
 Margin = Result (Result = Reading + Factor) Limit 100.0 dBuV



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 Radiated Emission Limits

In case the emission fall within the restricted band specified on 15.105(a)&109(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
FREQUENCT (IVII12)	PEAK AVERAGE		PEAK	AVERAGE
Above 1000	80	60	74	54

Note:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper	
frequency of measurement used in the device	Range (MHz)
or on which the device operates or tunes	Kange (MHZ)
(MHz)	
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz,
7,5570 1000	whichever is lower

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Spectrum Parameter	Setting		
Attenuation	Auto		
Detector	Peak		
Start Frequency	1000 MHz(Peak/AV)		
Stop Frequency	5th harmonic (Peak/AV)		
DD / \/D (amission in restricted hand)	30MHz to 1000MHz: 100 KHz / 300 KHz		
RB / VB (emission in restricted band)	Above 1000MHz: 1 MHz / 3 MHz		

Receiver Parameter	Setting		
Attenuation	Auto		
Start ~ Stop Frequency	30MHz to 1000MHz: 100 KHz / 300 KHz		
	Above 1000MHz: 1 MHz / 3 MHz		

3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter b. anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- the height of the antenna shall vary between 1m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector d. mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the e. EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

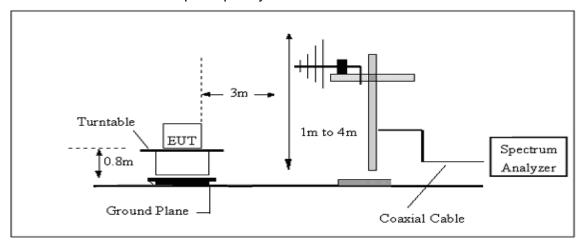
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

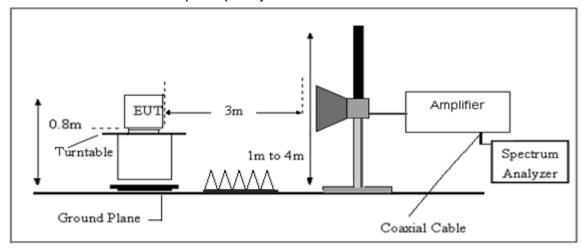
No deviation

3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency 30MHz~1GHz



(B) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS

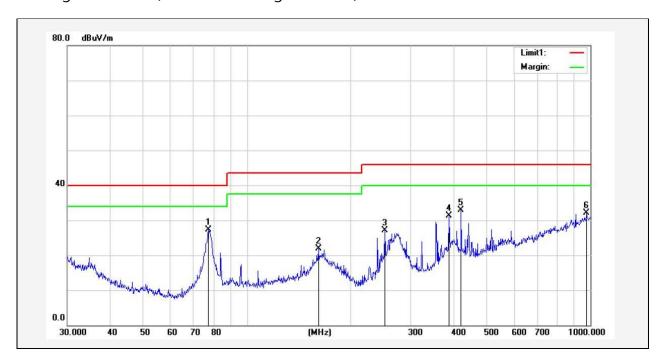
30MHz -1000MHz

Temperature:	26 ℃	Relative Humidity:	60%
Pressure:	1010hPa	Phase:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.3212	50.43	-23.07	27.36	40.00	-12.64	QP
2	161.4742	40.57	-18.62	21.95	43.50	-21.55	QP
3	252.0627	43.25	-16.07	27.18	46.00	-18.82	QP
4	387.9920	43.46	-12.07	31.39	46.00	-14.61	QP
5	420.5803	43.77	-10.90	32.87	46.00	-13.13	QP
6	975.7530	32.19	-0.14	32.05	46.00	-13.95	QP

Remark:

1. Margin = Result (Result = Reading + Factor)—Limit

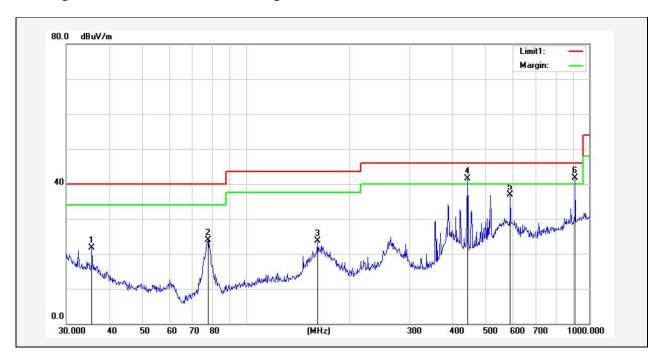


Temperature:	26 ℃	Relative Humidity:	60%
Pressure:	1010hPa	Phase:	Vertical
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.6240	35.87	-14.07	21.80	40.00	-18.20	QP
2	77.5928	47.02	-23.03	23.99	40.00	-16.01	QP
3	161.4742	42.23	-18.62	23.61	43.50	-19.89	QP
4	441.7426	52.30	-10.82	41.48	46.00	-4.52	QP
5	588.9051	43.84	-6.90	36.94	46.00	-9.06	QP
6	909.6667	43.65	-1.93	41.72	46.00	-4.28	QP

Remark:

1. Margin = Result (Result = Reading + Factor)—Limit



(1 GHz to 25GHz.)

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	Vertical/Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 1

PK

Гтос	Ant.	Dook	A mam lifi a m	Long	Antenna	Orrected	A stud Es	Dools	Dools
Freq. Pol	Peak	Amplifier	Loss	Factor	Factor	Actual Fs	Peak	Peak	
(MHz)	H/V	Reading	(dB)	(dB)	(dB/m)	(-ID)	Peak	Limit	margin
(IVITIZ)	□/ V	(dBuV)	(UD)		(UD/III)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2062.8	Н	57.64	43.8	5.4	25.9	-12.5	45.14	74.00	-28.86
2506.1	Н	52.32	44.4	6.0	27.6	-10.8	41.52	74.00	-32.48
3052.2	Н	63.85	44.7	6.7	28.2	-9.8	54.05	74.00	-19.95
3533.3	Н	52.89	44.4	7.1	28.5	-8.8	44.09	74.00	-29.91
N/A									
2062.8	V	52.76	43.8	5.4	25.9	-12.5	40.26	74.00	-33.74
2506.1	V	49.64	44.4	6.0	27.6	-10.8	38.84	74.00	-35.16
3052.2	V	63.64	44.7	6.7	28.2	-9.8	53.84	74.00	-20.16
3533.3	V	49.69	44.4	7.1	28.5	-8.8	40.89	74.00	-33.11
N/A									

ΑV

4 <u>v</u>									
Freq.	Ant. Pol	AV	Amplifier	Loss	Antenna Factor	Orrected Factor		AV	AV
(MHz)	H/V	Reading (dBuV)	(dB)	(dB)	(dB/m)	(dB)	AV (dBuV/m)	Limit (dBuV/m)	margin (dBuV/m)
2062.8	Н	41.32	43.8	5.4	25.9	-12.5	28.82	54.00	-25.18
2506.1	Н	38.65	44.4	6.0	27.6	-10.8	27.85	54.00	-26.15
3052.2	Н	42.53	44.7	6.7	28.2	-9.8	32.73	54.00	-21.27
3533.3	Н	38.32	44.4	7.1	28.5	-8.8	29.52	54.00	-24.48
N/A									
2062.8	V	37.73	43.8	5.4	25.9	-12.5	25.23	54.00	-28.77
2506.1	V	33.35	44.4	6.0	27.6	-10.8	22.55	54.00	-31.45
3052.2	V	55.74	44.7	6.7	28.2	-9.8	45.94	54.00	-8.06
3533.3	V	34.53	44.4	7.1	28.5	-8.8	25.73	54.00	-28.27
N/A									

Notes:

- 1. Measuring frequencies from 1 GHz to 25GHz.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode of the emission shown in Actual FS column.
- 3. The frequency that above 3.5GHz is mainly from the environment noise.

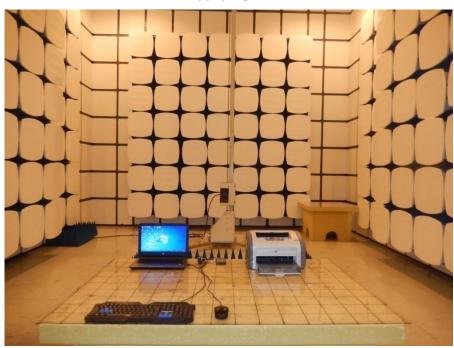
PHOTOS OF TEST SETUP

Radiated Measurement Photos

30MHz-1GHz



Above 1GHz



Conducted Measurement Photos



* * * * * END OF THE REPORT * * * * *