

# FCC Part 15B Measurement and Test Report

For

**WGI TELECOM INC**

**1786 NORTH COMMERCE PARKWAY, WESTON, FL, U.S.A.**

**FCC ID: 2A0II-JS550**

<b>FCC Rule(s):</b>	<u>FCC Part 15 Subpart B</u>
<b>Product Description:</b>	<u>4G Smart Phone</u>
<b>Tested Model:</b>	<u>JS550</u>
<b>Report No.:</b>	<u>STR17128060E-3</u>
<b>Sample Receipt Date:</b>	<u>2017-12-05</u>
<b>Tested Date:</b>	<u>2017-12-06 to 2017-12-22</u>
<b>Issued Date:</b>	<u>2017-12-25</u>
<b>Tested By:</b>	<u>Jason Su / Engineer</u>
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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM Test Technology Co., Ltd.

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## 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment Under Test (EUT)

#### Client Information

Applicant: WGI TELECOM INC  
Address of applicant: 1786 NORTH COMMERCE PARKWAY, WESTON,  
FL, U.S.A.

Manufacturer: WGI TELECOM INC  
Address of manufacturer: 1786 NORTH COMMERCE PARKWAY, WESTON,  
FL, U.S.A.

General Description of EUT	
Product Name:	4G Smart Phone
Trade Name:	/
Model No.:	JS550
Adding Model(s):	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Rated Voltage:	DC 3.8V by battery
Rated Current:	/
Rated Power:	/
Power Adapter Model:	Model: JS550 Input:AC100-240V 50/60Hz 0.2A;Output: DC5V 1.0A
Lowest Internal Frequency:	32.768kHz
Highest Internal Frequency:	1.1GHz
Classification of ITE:	Class B

## 1.2 Test Standards

The following report is prepared on behalf of the WGI TELECOM INC in accordance with Part 2, Subpart J, and Part 15, Subparts A and B of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC Part 15, Subpart B, and section 15.205, 15.107, and 15.109 rules.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

## 1.4 Test Facility

### **FCC – Registration No.: 125990**

Shenzhen SEM Test Technology Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

### **Industry Canada (IC) Registration No.: 11464A**

The 3m Semi-anechoic chamber of Shenzhen SEM.Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

## 1.5 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted according to the operation manual for use, more detailed description as follows:

Test Mode List:

Test Mode	Description	Remark
TM1	Charging + Playing	/
TM2	Downloading	/
TM3	Charging +Camera	/
TM4	Charging +FM	/

EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
USB Cable	0.95	Shielded	Without Core
Earphone	1.2	Unshielded	Without Core

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
Notebook	Lenovo	E445	/

Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

## 1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Conducted Emissions	Conducted	9-150kHz $\pm 3.74$ dB
		0.15-30MHz $\pm 3.34$ dB
Radiated Emission	Radiated	30-200MHz $\pm 4.52$ dB
		0.2-1GHz $\pm 5.56$ dB
		1-6GHz $\pm 3.84$ dB
		6-18GHz $\pm 3.84$ dB

### 1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2017-06-12	2018-06-11
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2017-06-12	2018-06-11
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2017-06-12	2018-06-11
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2017-06-12	2018-06-11
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2017-06-12	2018-06-11
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2017-06-08	2018-06-07
SEMT-1042	Horn Antenna	ETS	3117	00086197	2017-06-08	2018-06-07
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2017-06-08	2018-06-07
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2017-06-12	2018-06-11
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2017-06-12	2018-06-11
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2017-06-12	2018-06-11

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## 2. SUMMARY OF TEST RESULTS

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Description of Test	Result
§15.107 (a) Conducted Emission	Compliant
§15.109(a) Radiated Emission	Compliant

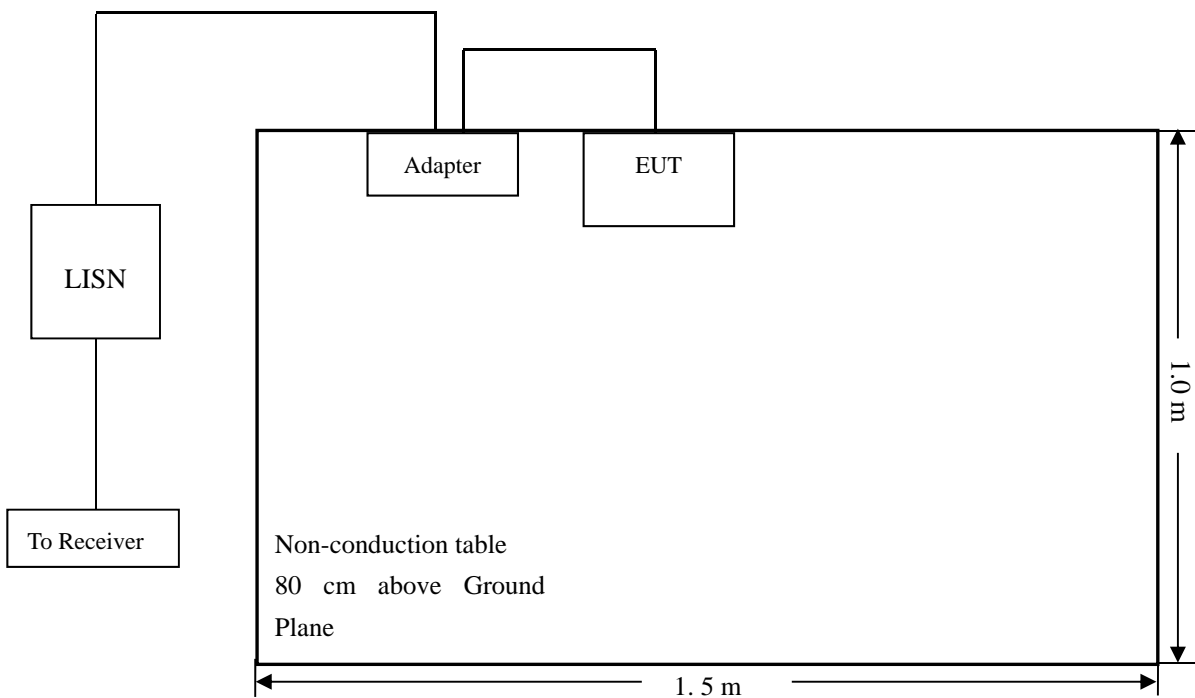
N/A: not applicable

### 3. Conducted Emissions

#### 3.1 Test Procedure

Test is conducting under the description of ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

#### 3.2 Basic Test Setup Block Diagram



#### 3.3 Environmental Conditions

Temperature:	23 °C
Relative Humidity:	52%
ATM Pressure:	1011 mbar

#### 3.4 Summary of Test Results/Plots

According to the data in section 3.5, the EUT complied with the FCC Part 15.107(a) Conducted margin for a Class B device, with the *worst* margin reading of:

**-2.28 dB at 0.1500 MHz in the Neutral, QP detector, TM1 mode, 0.15-30MHz**

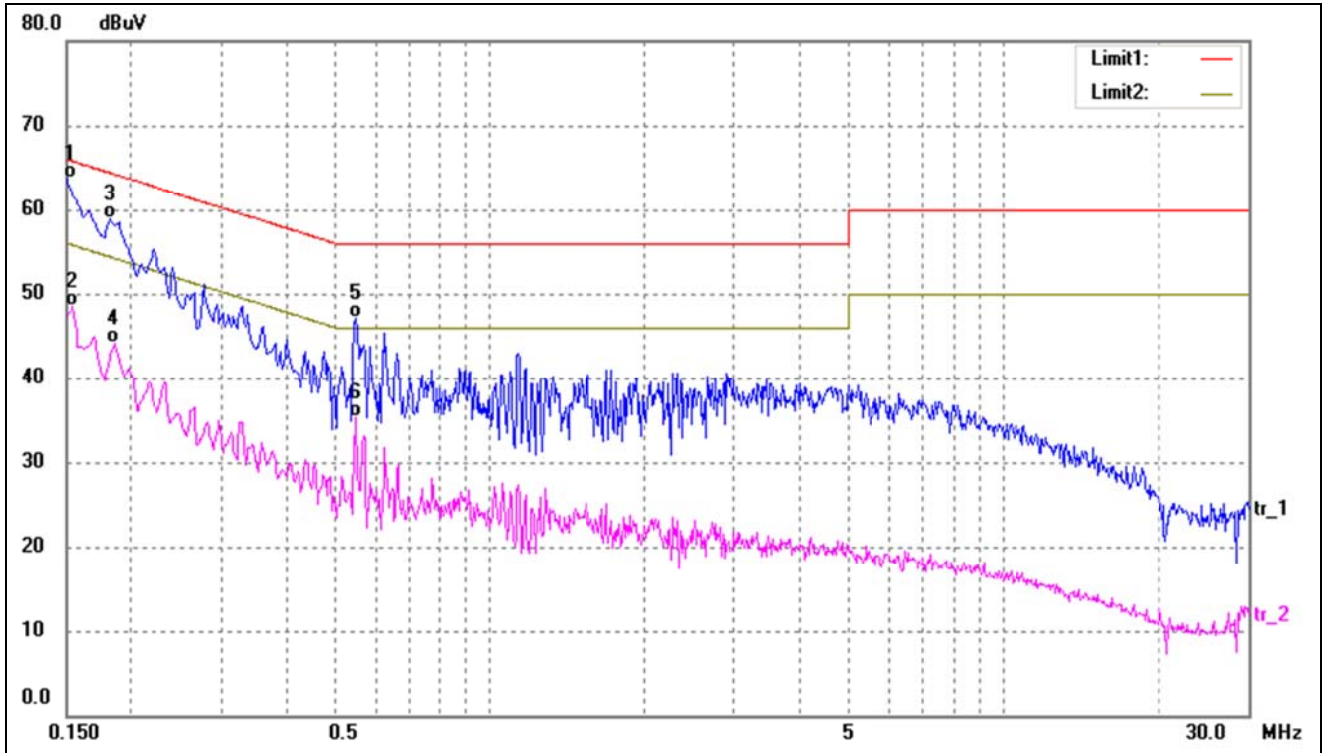


### 3.5 Conducted Emissions Test Data

**Plot of Conducted Emissions Test Data**

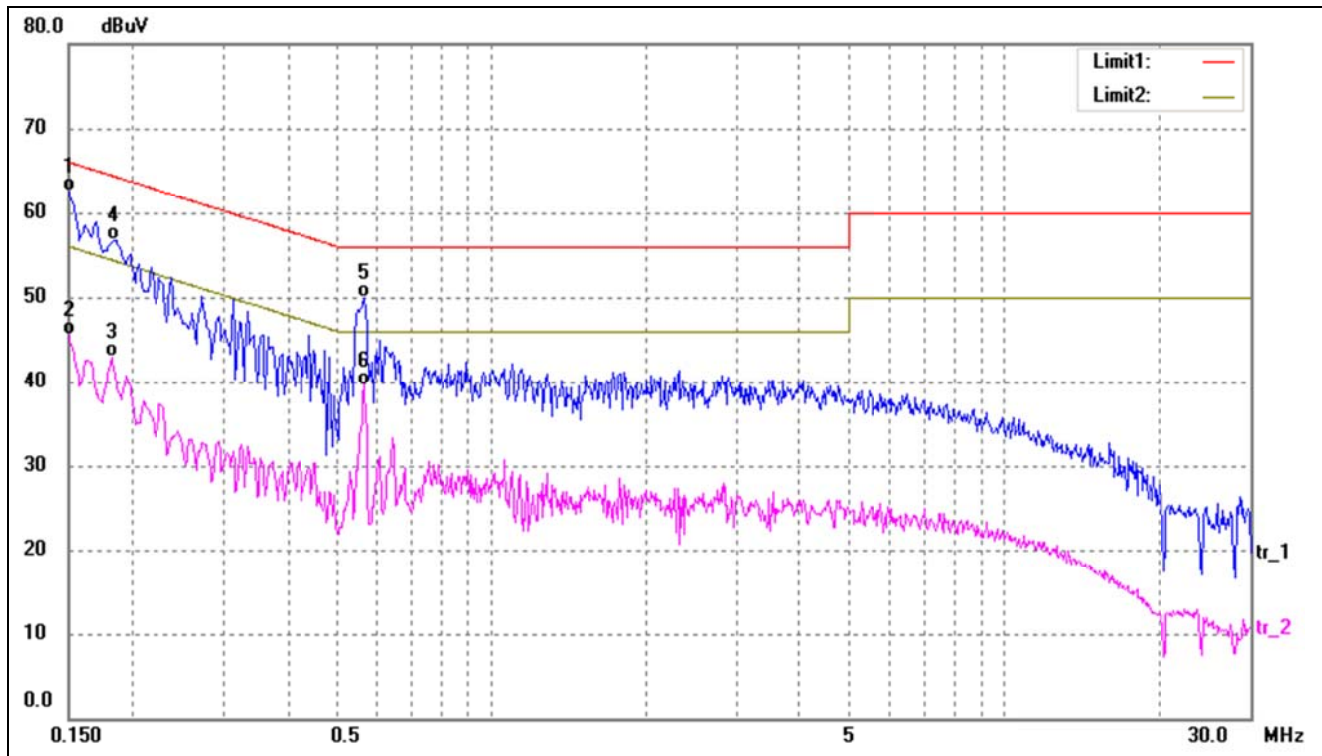
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM1  
 Comment: AC 120V/60Hz

Test Specification: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1500	53.87	9.85	63.72	66.00	-2.28	QP
2	0.1540	38.56	9.85	48.41	55.78	-7.37	AVG
3	0.1820	49.11	9.82	58.93	64.39	-5.46	QP
4	0.1860	34.32	9.81	44.13	54.21	-10.08	AVG
5	0.5500	37.38	9.80	47.18	56.00	-8.82	QP
6	0.5500	25.52	9.80	35.32	46.00	-10.68	AVG

Test Specification: Line

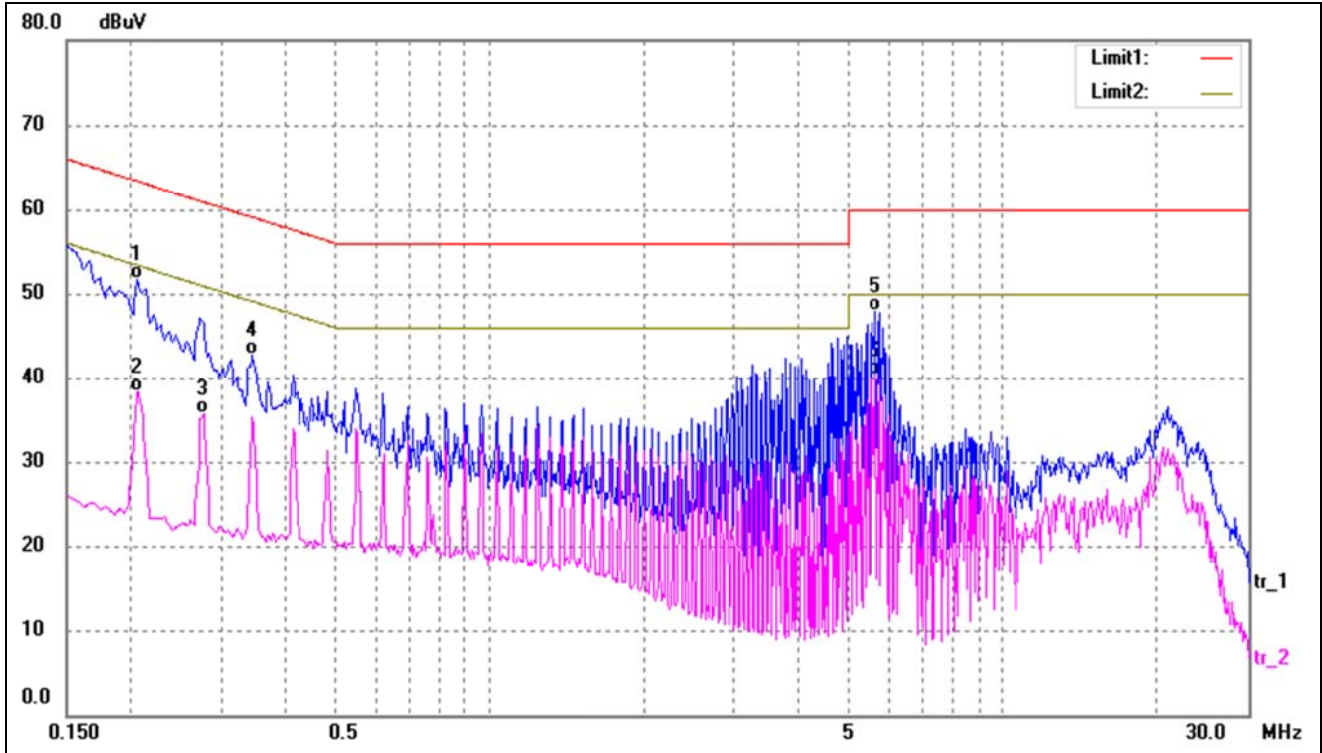


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1500	52.62	9.85	62.47	66.00	-3.53	QP
2	0.1500	35.71	9.85	45.56	56.00	-10.44	AVG
3	0.1820	33.09	9.82	42.91	54.39	-11.48	AVG
4	0.1860	46.90	9.81	56.71	64.21	-7.50	QP
5	0.5660	40.11	9.79	49.90	56.00	-6.10	QP
6	0.5660	29.81	9.79	39.60	46.00	-6.40	AVG

**Plot of Conducted Emissions Test Data**

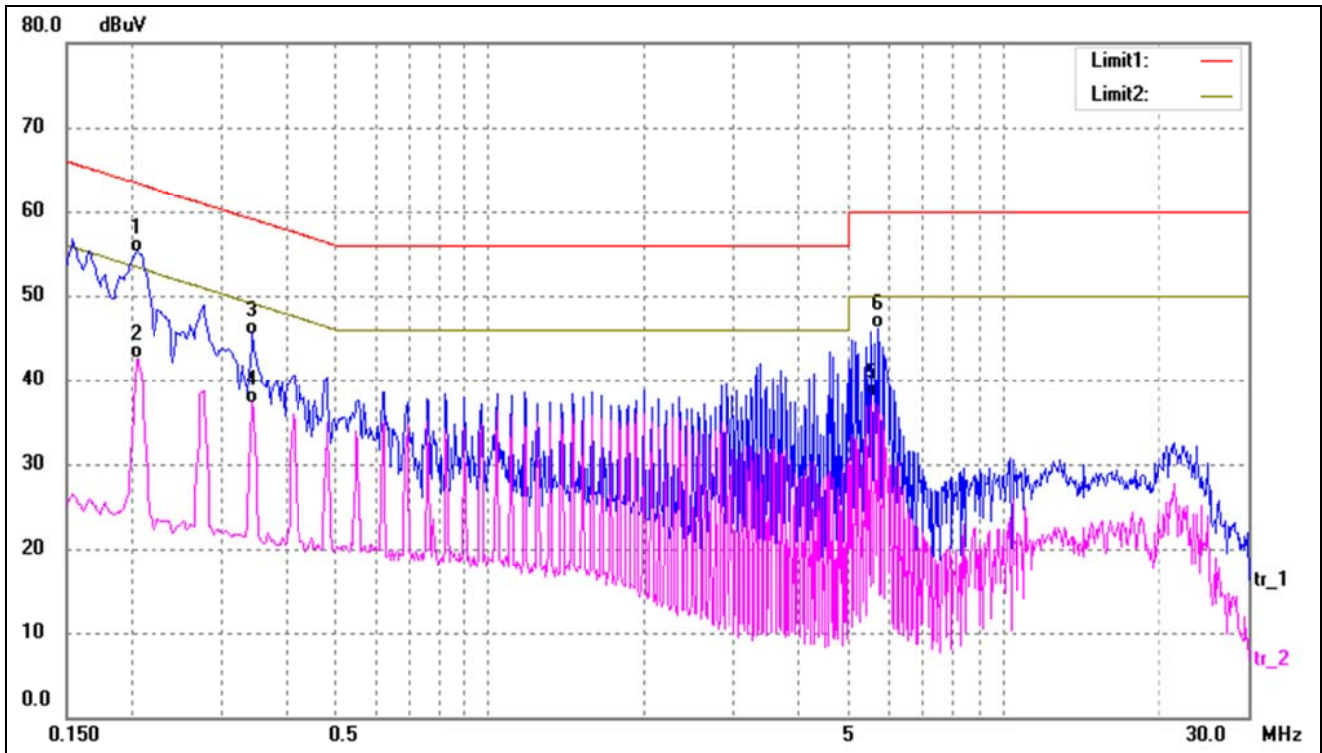
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM2  
 Comment: AC 120V/60Hz

Test Specification: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2060	41.90	9.80	51.70	63.37	-11.67	QP
2	0.2060	28.57	9.80	38.37	53.37	-15.00	AVG
3	0.2780	25.84	9.80	35.64	50.88	-15.24	AVG
4	0.3460	32.98	9.80	42.78	59.06	-16.28	QP
5	5.6580	38.28	9.64	47.92	60.00	-12.08	QP
6*	5.6580	30.73	9.64	40.37	50.00	-9.63	AVG

Test Specification: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.2060	45.40	9.80	55.20	63.36	-8.16	QP
2	0.2060	32.75	9.80	42.55	53.36	-10.81	AVG
3	0.3460	35.60	9.80	45.40	59.06	-13.66	QP
4	0.3460	27.40	9.80	37.20	49.06	-11.86	AVG
5	5.5820	28.21	9.64	37.85	50.00	-12.15	AVG
6	5.7180	36.37	9.64	46.01	60.00	-13.99	QP

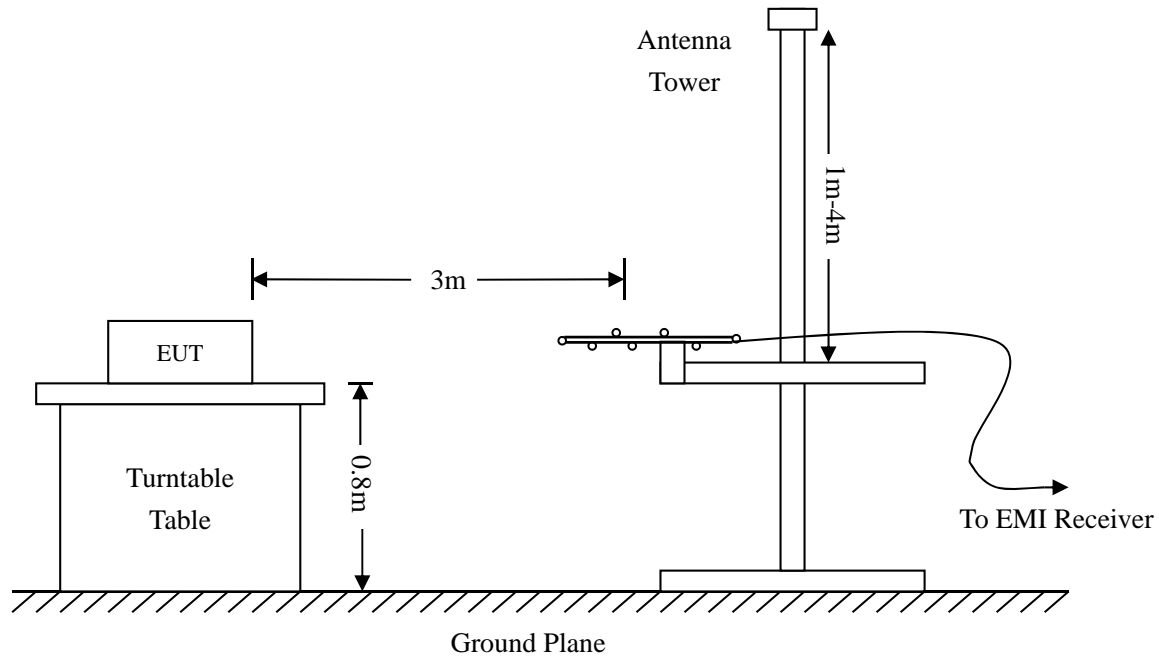
## 4. RADIATED EMISSION

### 4.1 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.109 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.



### 4.2 Test Receiver Setup

Frequency :9kHz-30MHz

RBW=10KHz,

VBW =30KHz

Sweep time= Auto

Trace = max hold

Detector function = peak

Frequency :30MHz-1GHz

RBW=120KHz,

VBW=300KHz

Sweep time= Auto

Trace = max hold

Detector function = peak, QP

Frequency :Above 1GHz

RBW=1MHz,

VBW=3MHz(Peak), 10Hz(AV)

Sweep time= Auto

Trace = max hold

Detector function = peak, AV

### 4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} - \text{Corr. Factor}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of  $-6\text{dB}\mu\text{V}$  means the emission is  $6\text{dB}\mu\text{V}$  below the maximum limit for a Class B device. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15.109(a) Limit}$$

### 4.4 Environmental Conditions

Temperature:	23 °C
Relative Humidity:	55 %
ATM Pressure:	1011 mbar

### 4.5 Summary of Test Results/Plots

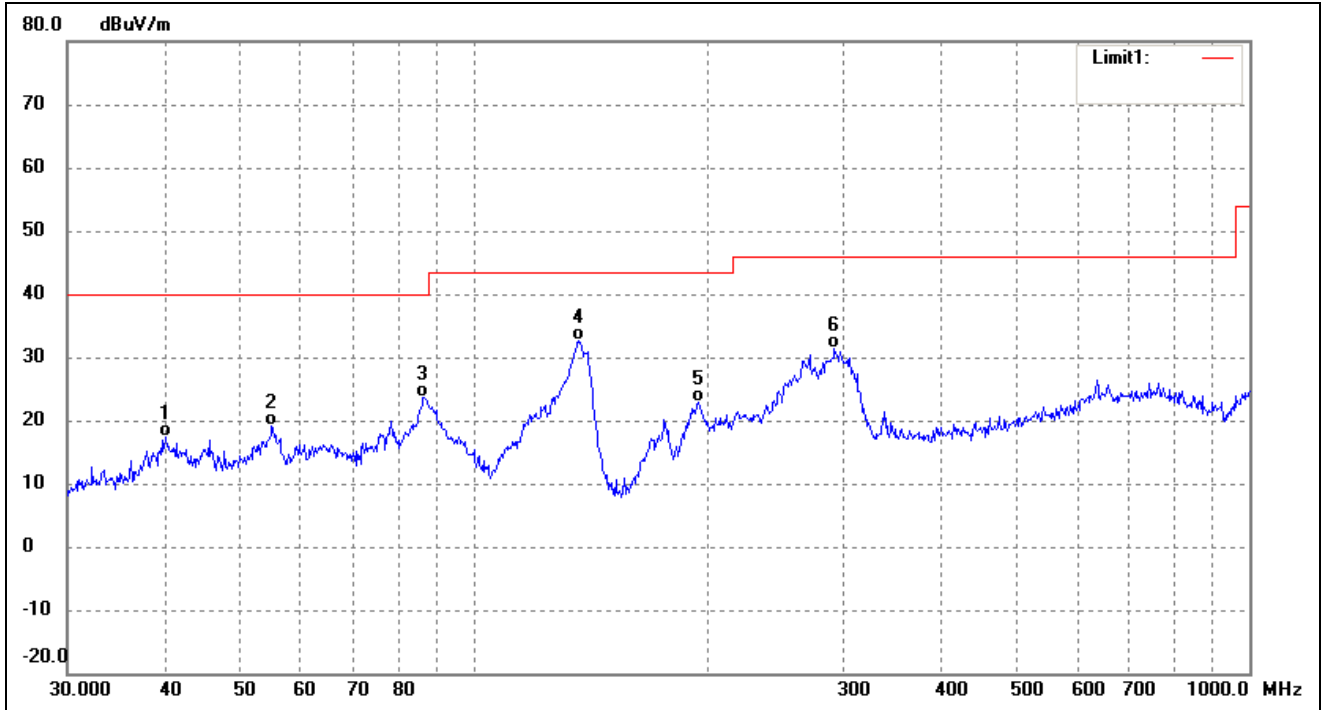
According to the data, the EUT complied with the FCC Part 15.109(a) rule, and had the worst margin of:

**-4.92 dB at 87.1117 MHz in the Vertical polarization, TM1 mode, 9 kHz to 1 GHz, 3Meters**

**Plot of Radiated Emissions Test Data (Below 1GHz)**

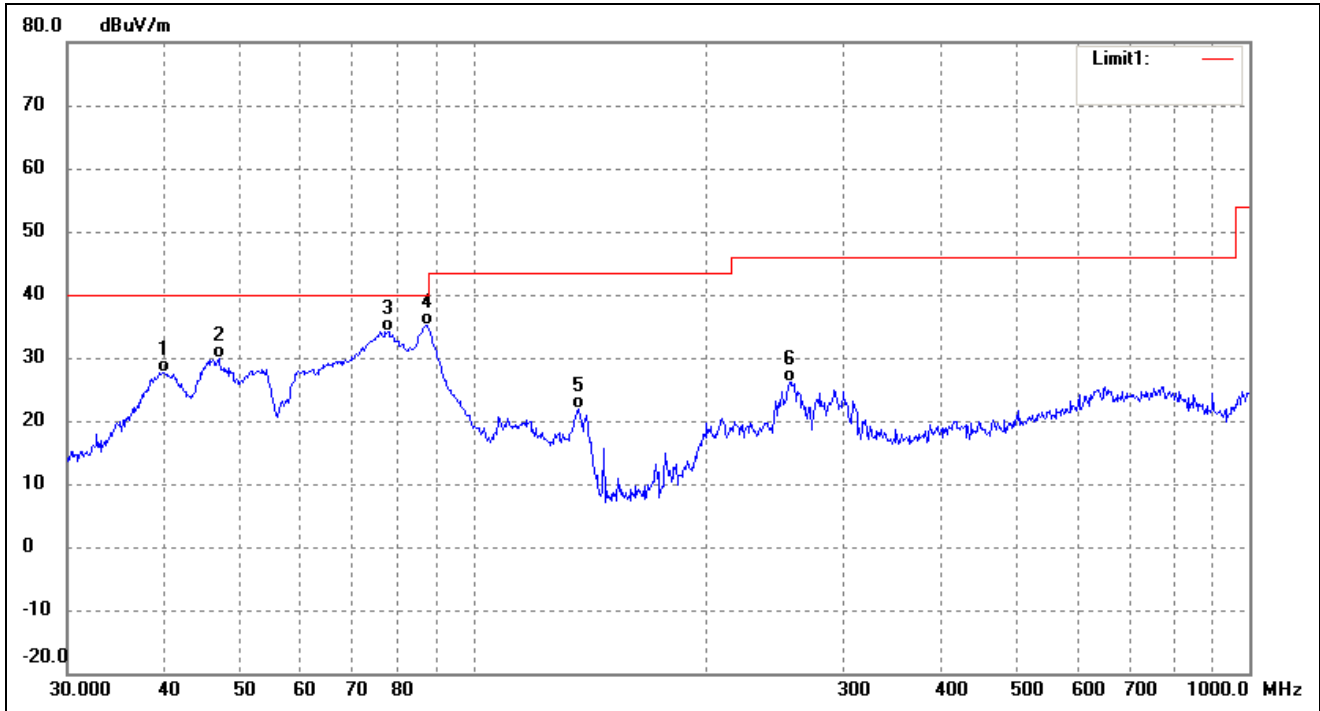
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM1  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	40.1347	33.82	-16.53	17.29	40.00	-22.71	215	100	QP
2	55.0274	35.71	-16.50	19.21	40.00	-20.79	99	100	QP
3	86.2001	42.34	-18.75	23.59	40.00	-16.41	232	100	QP
4	136.4598	50.67	-18.05	32.62	43.50	-10.88	97	100	QP
5	195.1365	41.38	-18.42	22.96	43.50	-20.54	254	100	QP
6	292.0583	41.17	-9.87	31.30	46.00	-14.70	215	100	QP

Test Specification: Vertical



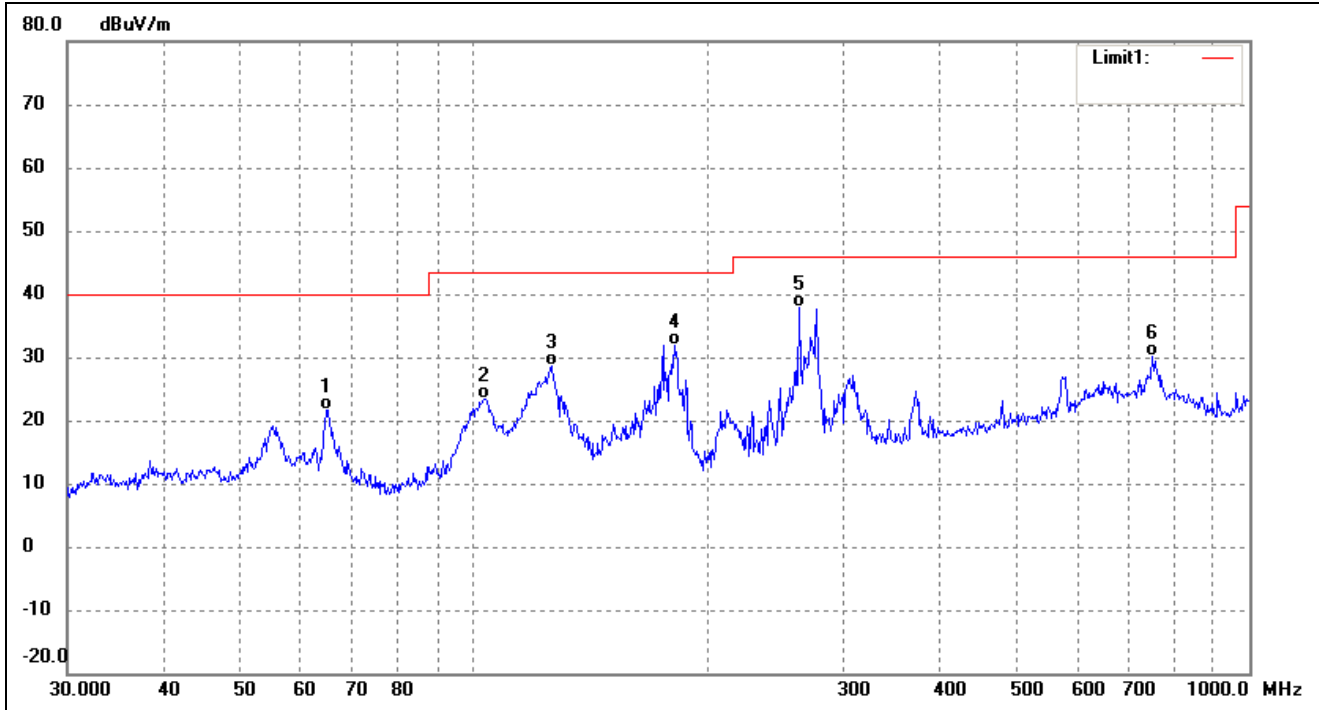
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	39.9942	44.21	-16.53	27.68	40.00	-12.32	351	100	QP
2	46.9948	46.37	-16.51	29.86	40.00	-10.14	93	100	QP
3	77.5928	53.65	-19.55	34.10	40.00	-5.90	103	100	QP
4	87.1117	53.67	-18.59	35.08	40.00	-4.92	110	100	QP
5	136.4598	40.01	-18.05	21.96	43.50	-21.54	345	100	QP
6	255.6231	38.01	-11.94	26.07	46.00	-19.93	351	100	QP



**Plot of Radiated Emissions Test Data (Below 1GHz)**

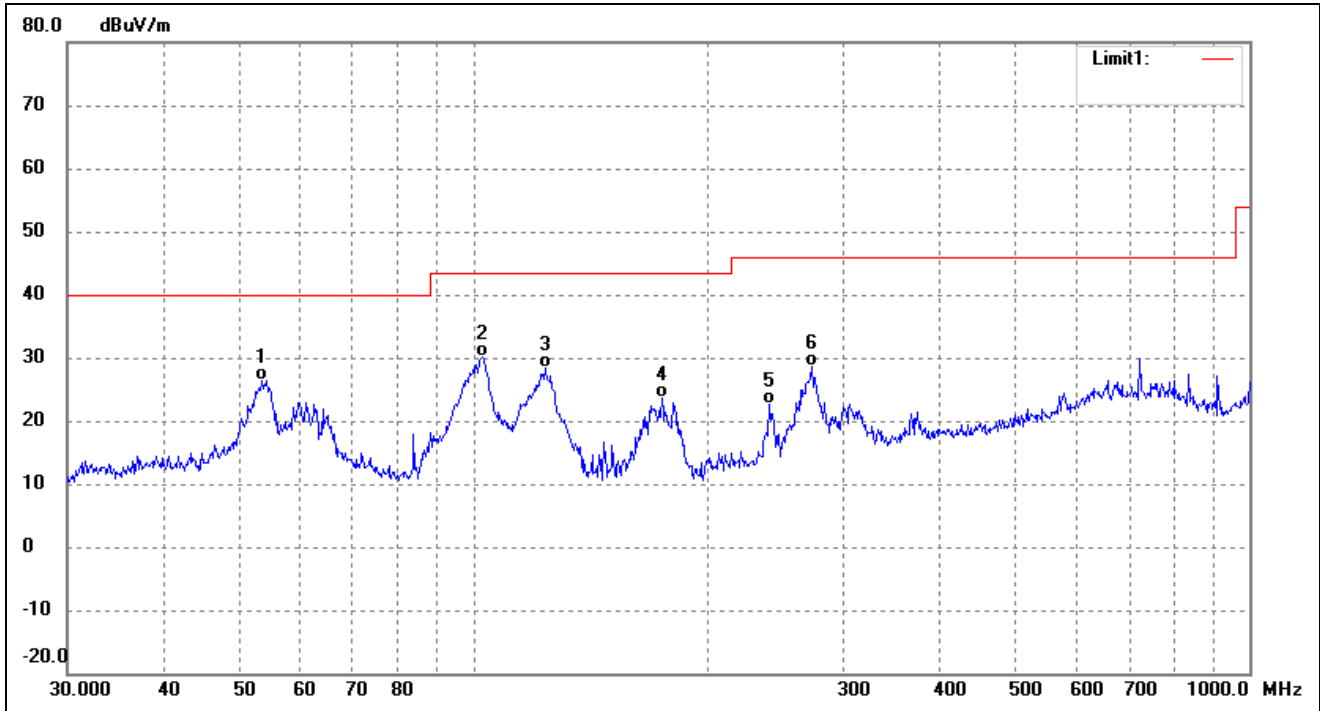
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM2  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	64.6594	39.14	-17.51	21.63	40.00	-18.37	198	100	QP
2	103.4421	40.09	-16.59	23.50	43.50	-20.00	112	100	QP
3	126.3286	45.88	-17.19	28.69	43.50	-14.81	78	100	QP
4	181.9202	50.96	-19.00	31.96	43.50	-11.54	94	100	QP
5	262.8955	49.47	-11.57	37.90	46.00	-8.10	231	100	QP
6	750.1083	30.44	-0.23	30.21	46.00	-15.79	198	100	QP

Test Specification: Vertical

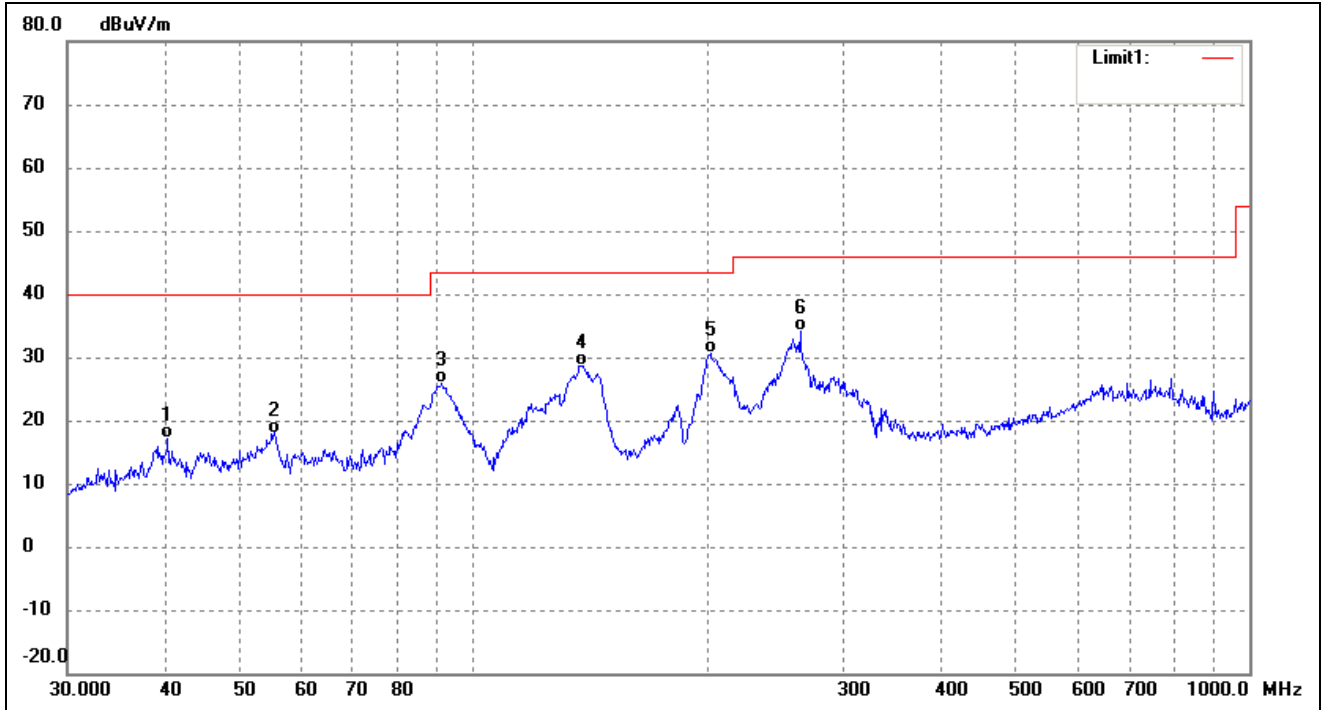


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	53.5052	42.79	-16.48	26.31	40.00	-13.69	162	100	QP
2	102.7192	46.72	-16.59	30.13	43.50	-13.37	121	100	QP
3	123.6984	45.29	-16.97	28.32	43.50	-15.18	98	100	QP
4	175.0367	42.64	-19.07	23.57	43.50	-19.93	75	100	QP
5	240.8303	35.05	-12.51	22.54	46.00	-23.46	162	100	QP
6	273.2341	39.40	-10.85	28.55	46.00	-17.45	121	100	QP

**Plot of Radiated Emissions Test Data (Below 1GHz)**

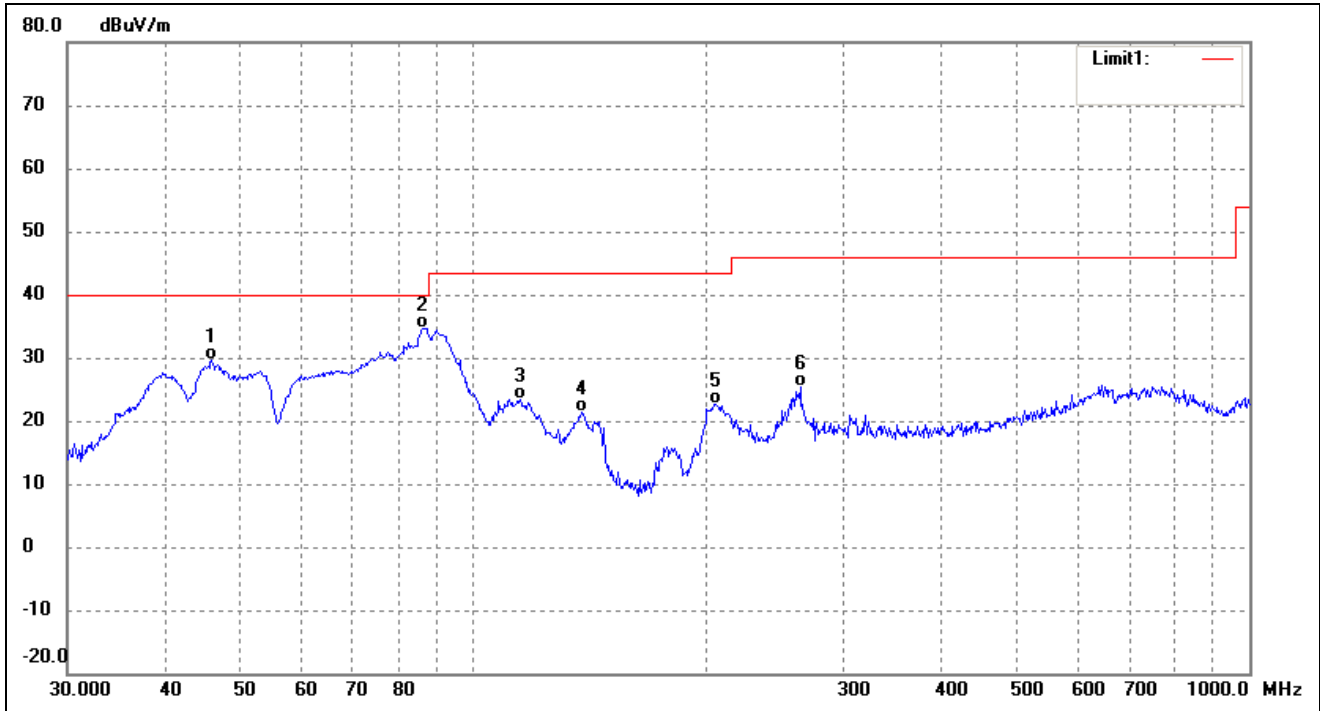
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM3  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	40.4172	33.68	-16.53	17.15	40.00	-22.85	245	100	QP
2	55.4147	34.51	-16.51	18.00	40.00	-22.00	191	100	QP
3	91.1746	43.75	-17.89	25.86	43.50	-17.64	98	100	QP
4	137.9029	46.90	-18.16	28.74	43.50	-14.76	349	100	QP
5	202.1005	48.31	-17.74	30.57	43.50	-12.93	284	100	QP
6	263.8190	45.72	-11.51	34.21	46.00	-11.79	300	100	QP

Test Specification: Vertical

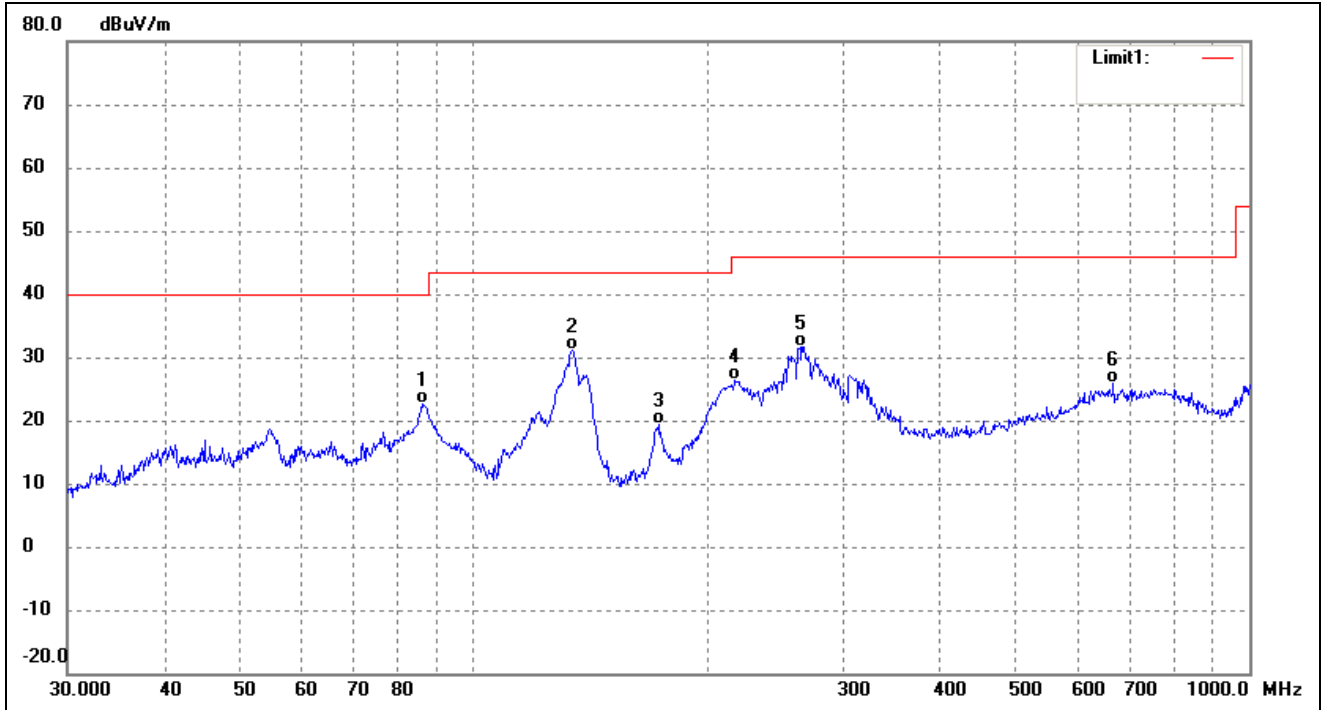


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	46.0164	46.04	-16.49	29.55	40.00	-10.45	187	100	QP
2	86.2001	53.36	-18.75	34.61	40.00	-5.39	100	100	QP
3	114.9169	39.95	-16.64	23.31	43.50	-20.19	98	100	QP
4	137.9029	39.54	-18.16	21.38	43.50	-22.12	113	100	QP
5	204.9551	39.69	-17.12	22.57	43.50	-20.93	112	100	QP
6	263.8190	36.79	-11.51	25.28	46.00	-20.72	187	100	QP

**Plot of Radiated Emissions Test Data (Below 1GHz)**

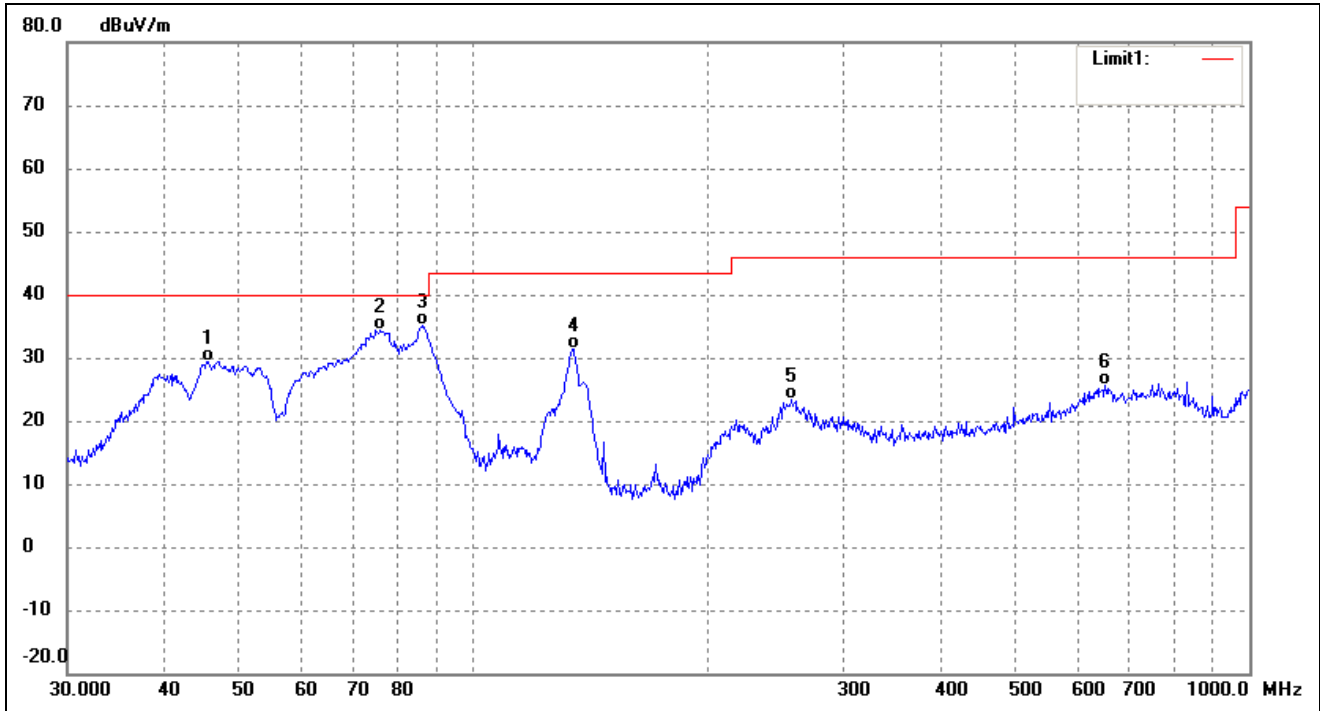
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM4  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	85.8984	41.49	-18.80	22.69	40.00	-17.31	355	100	QP
2	134.0882	49.09	-17.85	31.24	43.50	-12.26	92	100	QP
3	173.2051	38.51	-19.06	19.45	43.50	-24.05	290	100	QP
4	217.5443	40.68	-14.38	26.30	46.00	-19.70	107	100	QP
5	263.8190	43.25	-11.51	31.74	46.00	-14.26	293	100	QP
6	668.1423	26.84	-1.04	25.80	46.00	-20.20	280	100	QP

Test Specification: Vertical

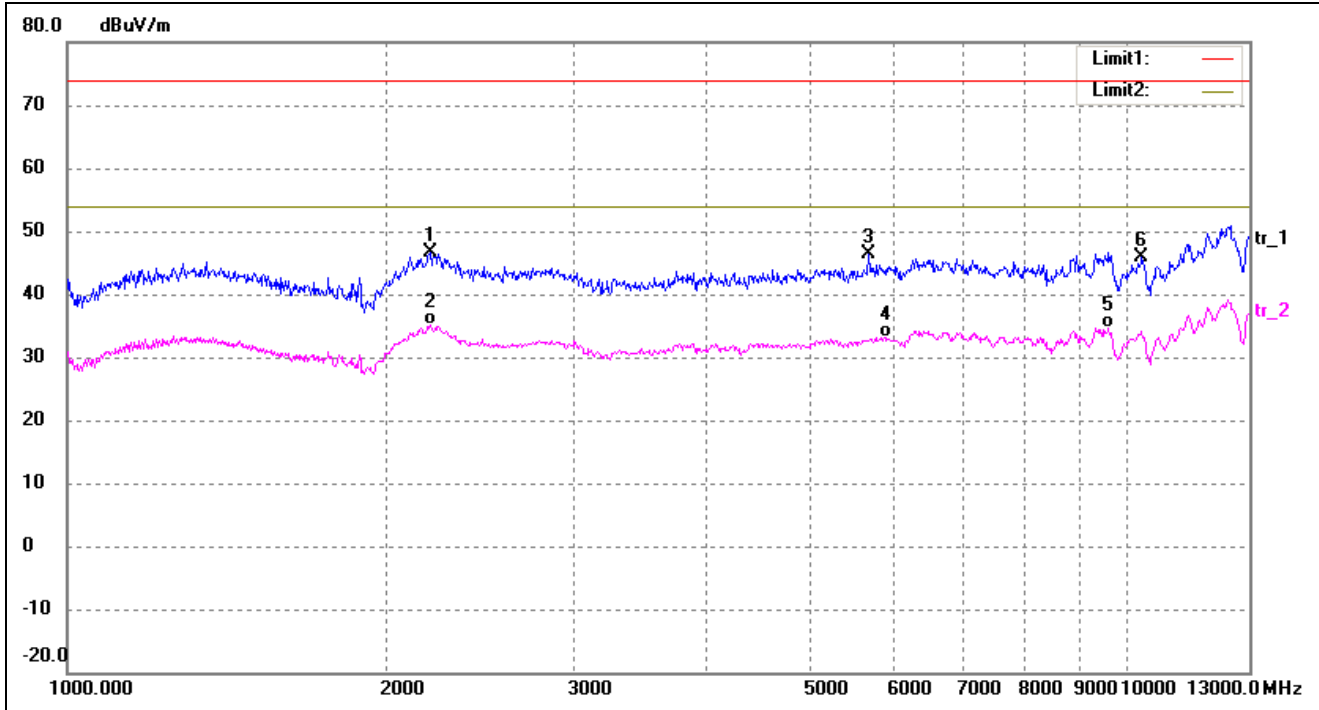


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	45.5348	45.98	-16.49	29.49	40.00	-10.51	302	100	QP
2	75.9773	53.71	-19.39	34.32	40.00	-5.68	97	100	QP
3	85.8984	53.85	-18.80	35.05	40.00	-4.95	194	100	QP
4	134.5592	49.28	-17.89	31.39	43.50	-12.11	109	100	QP
5	257.4222	35.23	-11.88	23.35	46.00	-22.65	96	100	QP
6	651.9417	27.03	-1.32	25.71	46.00	-20.29	302	100	QP

**Plot of Radiated Emissions Test Data (Above 1GHz)**

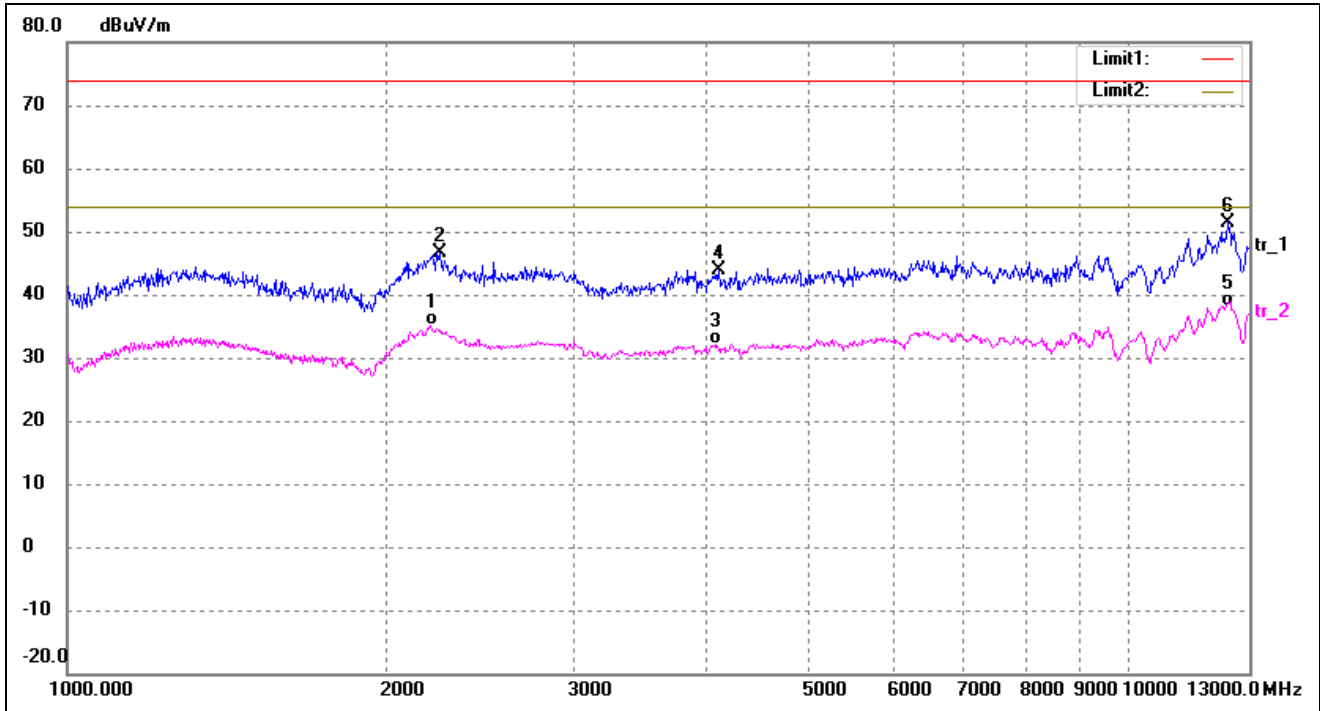
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM1  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2197.762	51.82	-5.15	46.67	74.00	-27.33	221	100	peak
2	2197.762	40.21	-5.15	35.06	54.00	-18.94	90	100	AVG
3	5691.852	51.23	-4.85	46.38	74.00	-27.62	78	100	peak
4	5884.843	37.47	-4.32	33.15	54.00	-20.85	120	100	AVG
5	9580.410	34.08	0.64	34.72	54.00	-19.28	347	100	AVG
6	10293.771	44.40	1.54	45.94	74.00	-28.06	318	100	peak

Test Specification: Vertical



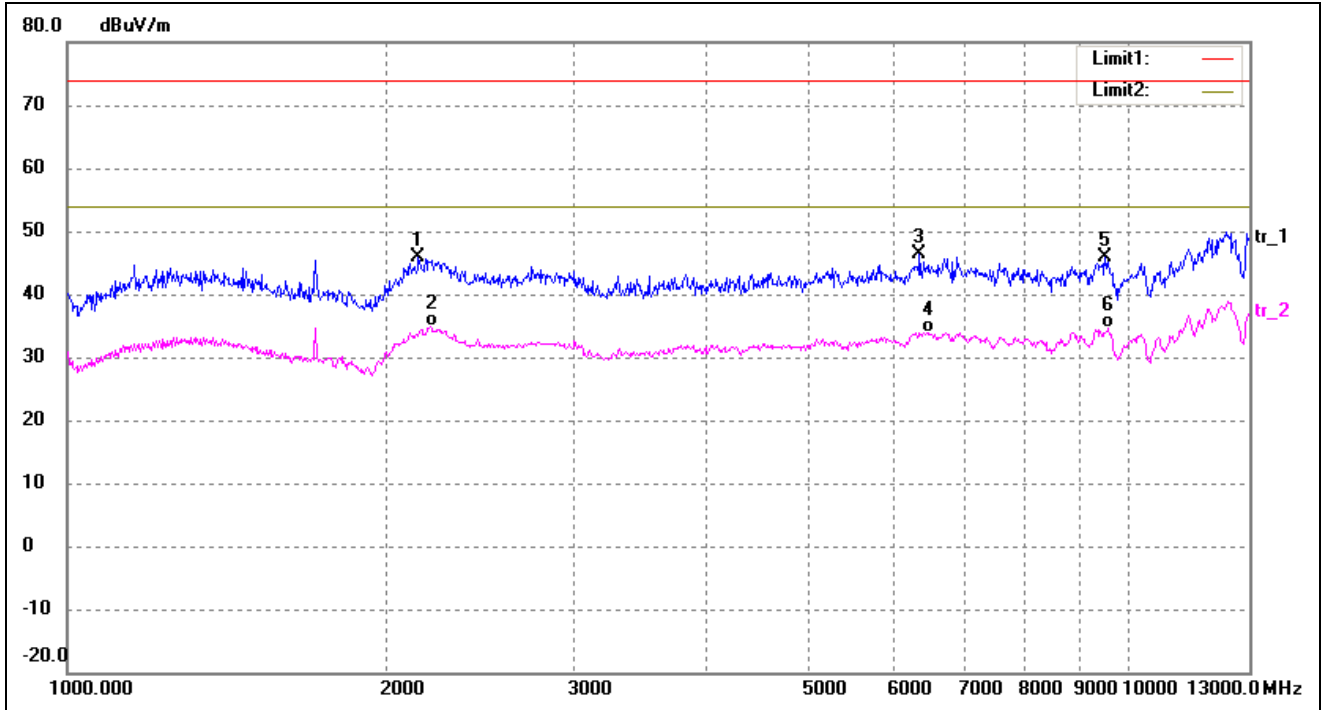
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2197.762	40.27	-5.15	35.12	54.00	-18.88	269	100	AVG
2	2243.325	52.36	-5.65	46.71	74.00	-27.29	96	100	peak
3	4088.414	39.24	-7.23	32.01	54.00	-21.99	316	100	AVG
4	4109.441	51.07	-7.18	43.89	74.00	-30.11	103	100	peak
5	12349.930	30.86	7.28	38.14	54.00	-15.86	113	100	AVG
6	12413.446	44.03	7.47	51.50	74.00	-22.50	139	100	peak



**Plot of Radiated Emissions Test Data (Above 1GHz)**

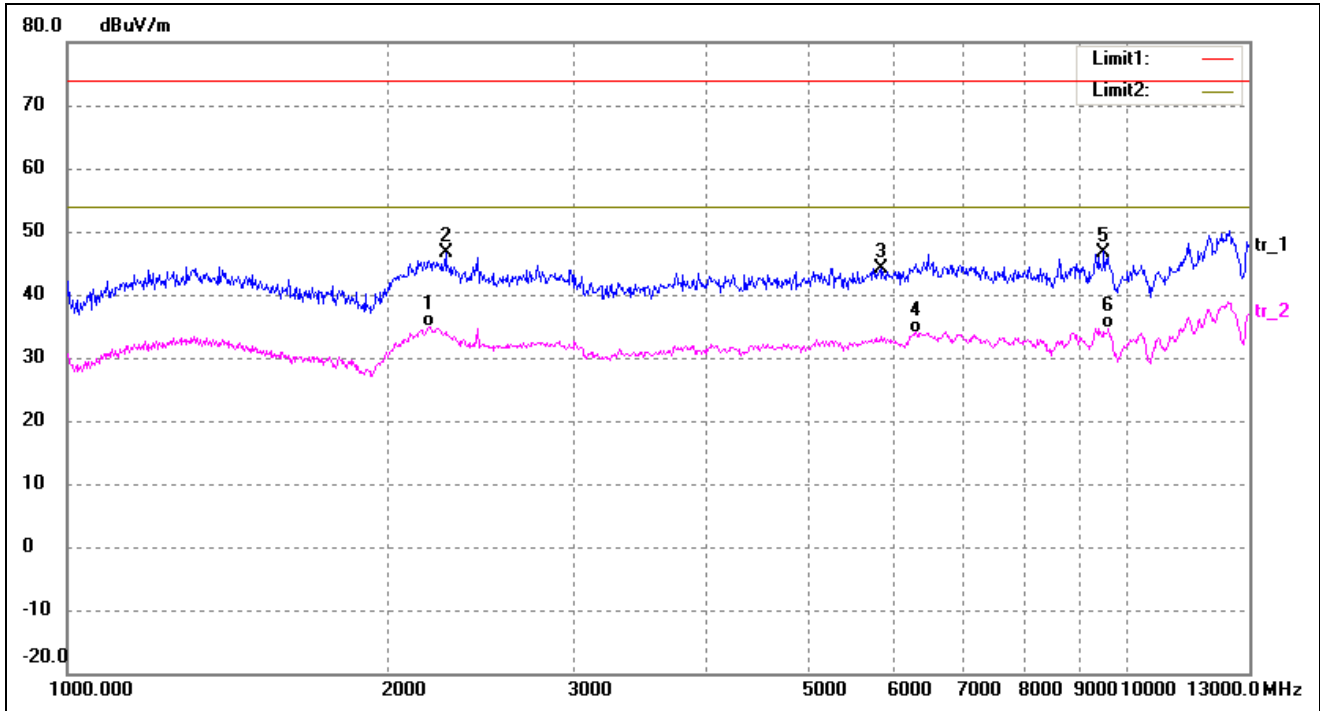
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM2  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2142.107	51.39	-5.61	45.78	74.00	-28.22	237	100	peak
2	2197.762	40.01	-5.15	34.86	54.00	-19.14	87	100	AVG
3	6355.550	49.70	-3.33	46.37	74.00	-27.63	112	100	peak
4	6470.693	37.22	-3.26	33.96	54.00	-20.04	345	100	AVG
5	9506.973	45.33	0.58	45.91	74.00	-28.09	237	100	peak
6	9580.410	34.03	0.64	34.67	54.00	-19.33	87	100	AVG

Test Specification: Vertical

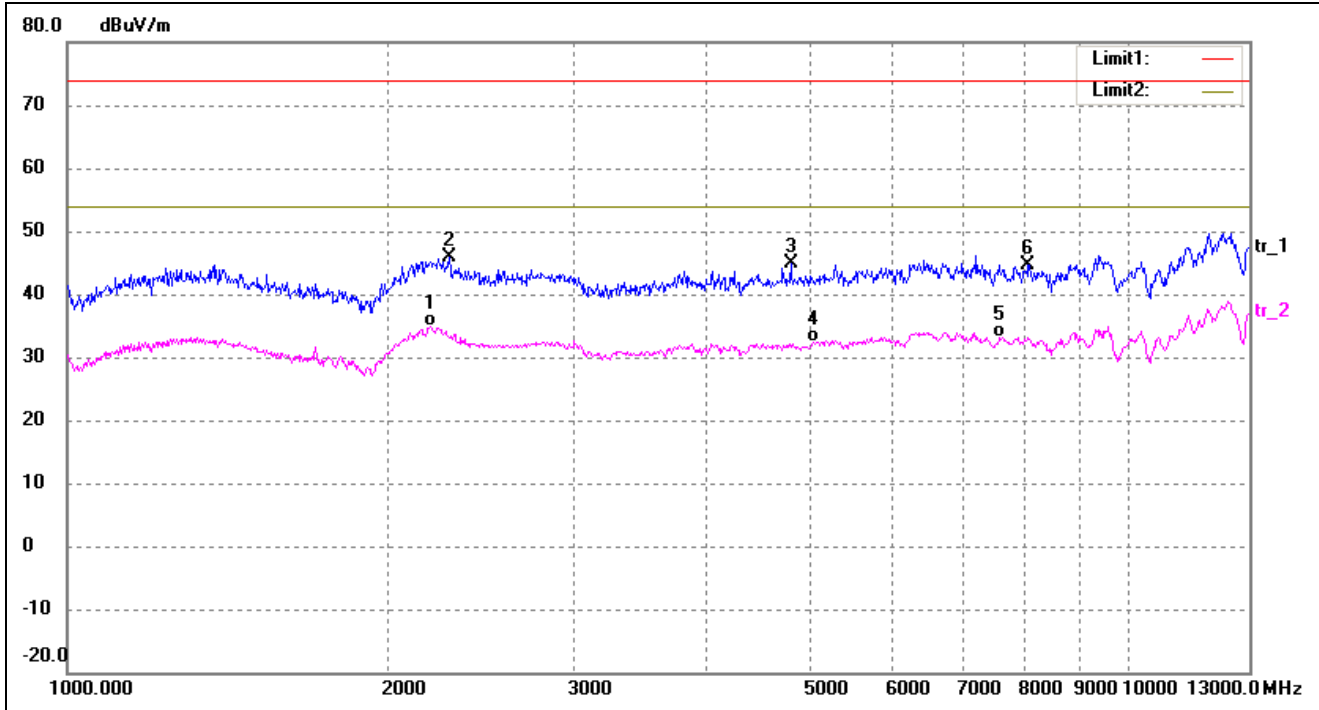


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2192.132	40.01	-5.09	34.92	54.00	-19.08	233	100	AVG
2	2272.280	52.64	-5.96	46.68	74.00	-27.32	280	100	peak
3	5839.734	48.58	-4.44	44.14	74.00	-29.86	98	100	peak
4	6274.562	37.20	-3.37	33.83	54.00	-20.17	285	100	AVG
5	9482.619	46.19	0.56	46.75	74.00	-27.25	123	100	peak
6	9580.410	34.11	0.64	34.75	54.00	-19.25	165	100	AVG

**Plot of Radiated Emissions Test Data (Above 1GHz)**

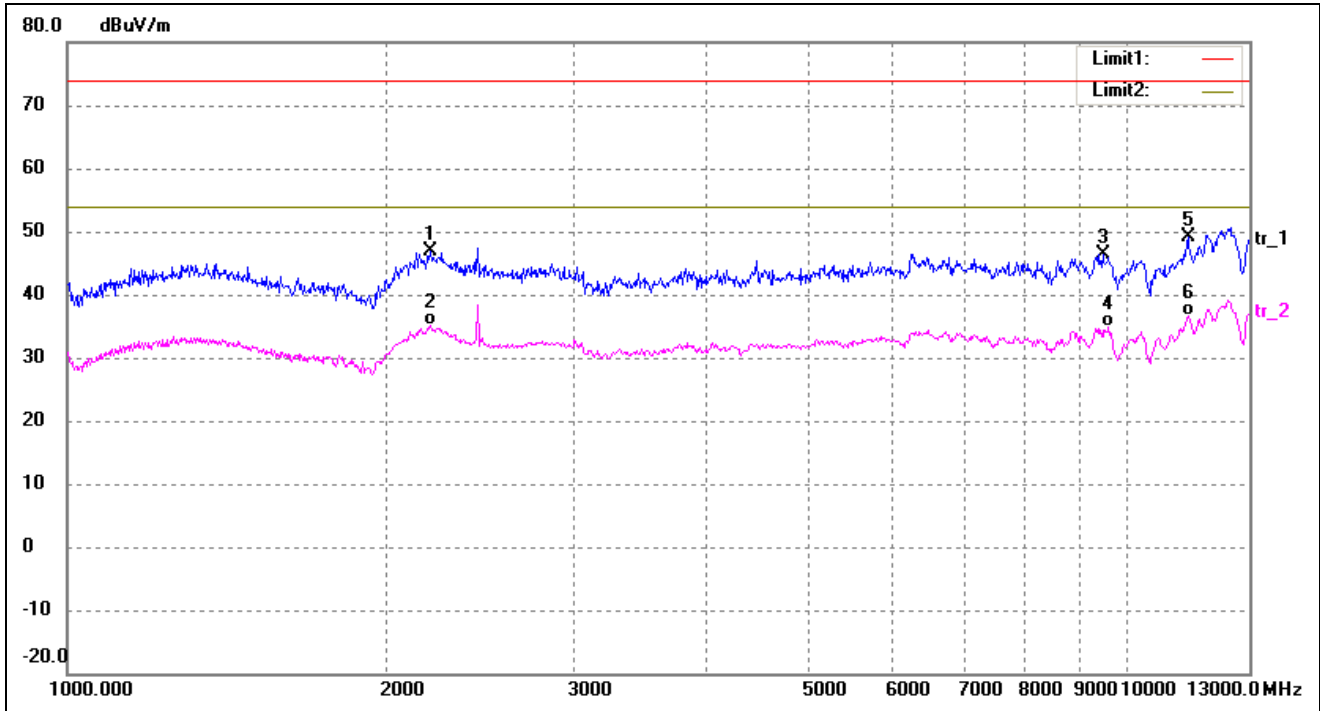
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM3  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2197.762	39.96	-5.15	34.81	54.00	-19.19	127	100	AVG
2	2289.832	52.16	-6.16	46.00	74.00	-28.00	118	100	peak
3	4805.442	50.99	-6.13	44.86	74.00	-29.14	299	100	peak
4	5045.431	37.78	-5.48	32.30	54.00	-21.70	127	100	AVG
5	7566.609	35.71	-2.61	33.10	54.00	-20.90	118	100	AVG
6	8047.036	46.68	-1.93	44.75	74.00	-29.25	299	100	peak

Test Specification: Vertical

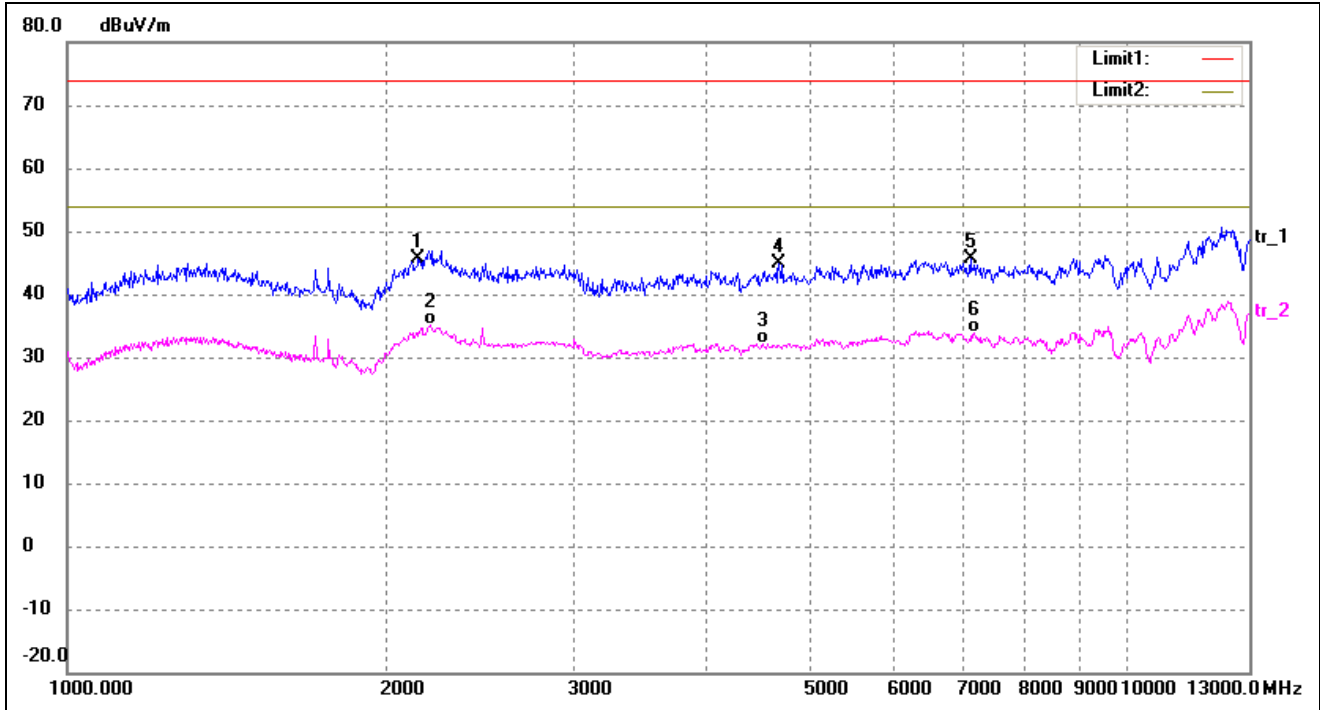


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2197.762	52.11	-5.15	46.96	74.00	-27.04	87	100	peak
2	2197.762	40.26	-5.15	35.11	54.00	-18.89	130	100	AVG
3	9458.328	45.85	0.54	46.39	74.00	-27.61	89	100	peak
4	9580.410	34.22	0.64	34.86	54.00	-19.14	118	100	AVG
5	11376.752	45.02	4.06	49.08	74.00	-24.92	153	100	peak
6	11376.752	32.57	4.06	36.63	54.00	-17.37	87	100	AVG

**Plot of Radiated Emissions Test Data (Above 1GHz)**

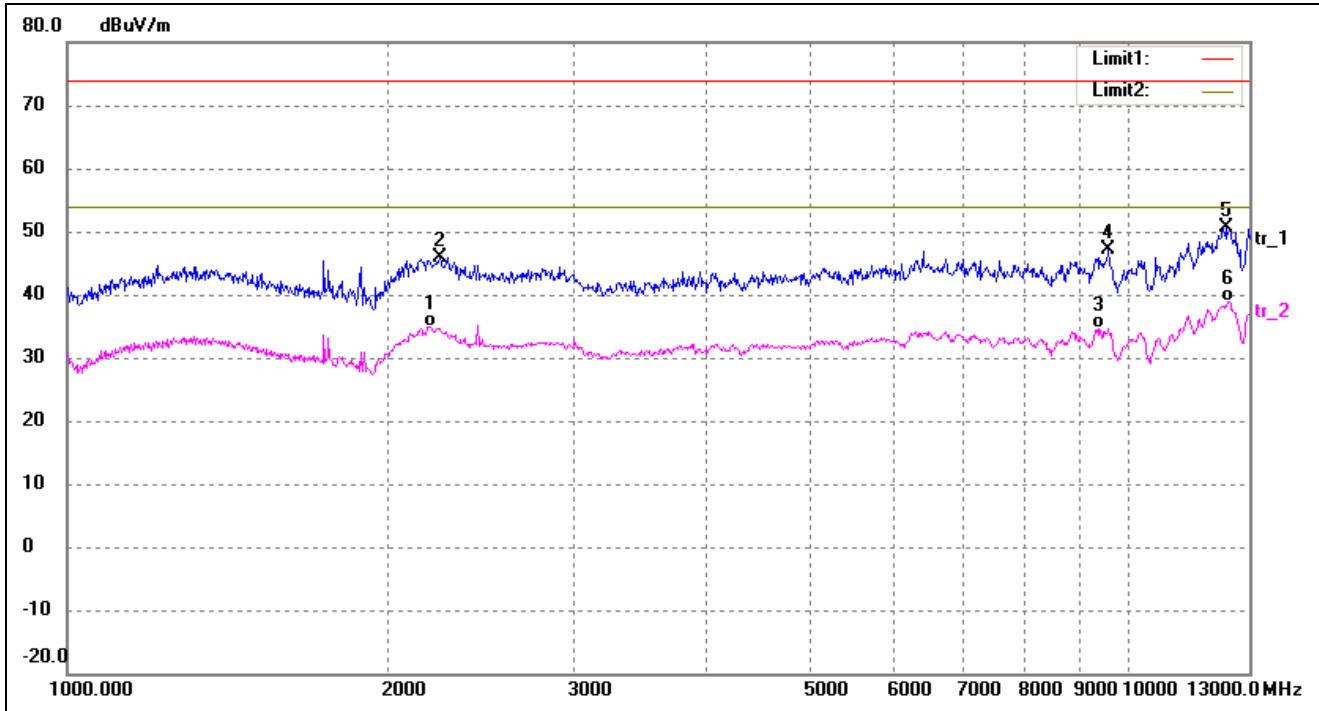
EUT: 4G Smart Phone  
 Tested Model: JS550  
 Operating Condition: TM4  
 Comment: AC 120V/60Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2142.107	51.25	-5.61	45.64	74.00	-28.36	311	100	peak
2	2197.762	40.40	-5.15	35.25	54.00	-18.75	99	100	AVG
3	4518.546	38.84	-6.62	32.22	54.00	-21.78	211	100	AVG
4	4683.752	51.36	-6.46	44.90	74.00	-29.10	103	100	peak
5	7096.639	48.66	-3.06	45.60	74.00	-28.40	72	100	peak
6	7151.457	36.83	-3.00	33.83	54.00	-20.17	327	100	AVG

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	2197.762	40.13	-5.15	34.98	54.00	-19.02	300	100	AVG
2	2243.325	51.47	-5.65	45.82	74.00	-28.18	96	100	peak
3	9361.784	34.10	0.43	34.53	54.00	-19.47	261	100	AVG
4	9580.410	46.50	0.64	47.14	74.00	-26.86	99	100	peak
5	12349.930	43.44	7.28	50.72	74.00	-23.28	81	100	peak
6	12413.446	31.50	7.47	38.97	54.00	-15.03	300	100	AVG

Note: Testing is carried out with frequency rang 9kHz to 13GHz, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

\*\*\*\*\* END OF REPORT \*\*\*\*\*