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Shenzhen, Guangdong, China 518057

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TEST REPORT

Application No.: SZEM1610009167RG

Applicant: LG Electronics Mobile Comm USA

Address of Applicant: 1000 Sylvan Avenue Englewood Cliffs, NJ 07632

Manufacturer: Huagin Telecom Technology Co. Ltd.

Address of Manufacturer: No.1 Building, 399 Keyuan Road, Zhangjiang Hi-Tech Park, Pudong New Area,

Shanghai, China

Factory: Dong Guan Huabel Electronic Technology Co.,Ltd

Address of Factory: No.9 Industrial Northern Road, National High-Tech Industrial Development Zone,

SongShan Lake, Dong Guan

Equipment Under Test (EUT):

EUT Name: Mobile Handset Model No.: LG-X230H

Trade Mark: LG

FCC ID: ZNFX230H

Standards: 47 CFR PART 15, Subpart B:2015

Date of Receipt: 2016-11-09

Date of Test: 2016-11-21 to 2016-11-22

Date of Issue: 2016-12-06

Test Result : Pass*



Jack Zhang EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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



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2 Test Summary

Item	Standard	Method	Class	Result
Conducted Disturbance at Mains Terminals (150kHz-30MHz)	47 CFR PART 15,Subpart B:2015	ANSI C63.4:2014	Class B	Pass
Radiated Disturbance (30MHz-1GHz)	47 CFR PART 15,Subpart B:2015	ANSI C63.4:2014	Class B	Pass
Radiated Disturbance (above 1GHz)	47 CFR PART 15,Subpart B:2015	ANSI C63.4:2014	Class B	Pass



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4 General Information

4.1 Details of E.U.T.

Power Supply: Adaptor: Model:MCS-02WR2

Input: AC100-240V 50/60Hz 0.2A

Output:DC5.0V 0.85A

DC3.85V (1 x 3.85V Rechargeable battery) 2500mAh

Battery: Charge by DC 5V

Cable: USB cable:100cm shielded

earphone cable: 110cm unshielded.

Internal Source: 1100MHz

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Standards Applicable for Testing

Table 1: Tests Carried Out Under 47 CFR PART 15, Subpart B:2015

Method	Item	Status
ANSI C63.4:2014	Conducted Disturbance at Mains Terminals	√
	(150kHz-30MHz)	
ANSI C63.4:2014	Radiated Disturbance(30MHz-1GHz)	√
ANSI C63.4:2014	Radiated Disturbance(above 1GHz)	√

- × Indicates that the test is not applicable
- $\sqrt{}$ Indicates that the test is applicable



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4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong,

China 518057

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

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

•CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

• FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen 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 No.: 556682.

Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Disturbance at Mains Terminals(150kHz-30MHz)										
Item	Equipment	Equipment Manufacturer Model No Inventory No		Cal Date	Cal Due Date					
1	Shielding Room	ChangZhou ZhongYu	GB-88	SEM001-06	2016-05-13	2017-05-13				
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2016-10-09	2017-10-09				
3	LISN	ETS-LINDGREN	3816/2	SEM007-02	2016-04-25	2017-04-25				
4	EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2016-04-25	2017-04-25				

Radiate	Radiated Disturbance(30MHz-1GHz)											
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date						
1	10m Semi- Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2016-05-13	2017-05-13						
2	EMI Test Receiver (9kHz-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2016-04-25	2017-04-25						
3	Trilog-Broadband Antenna (30M-1GHz)	Schwarzbeck	VULB9168	SEM003-18	2016-06-29	2019-06-29						
4	Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2016-07-06	2017-07-06						

Radiated Disturbance(above 1GHz)										
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date				
1	3m Semi- Anechoic Chamber	AUDIX	N/A	SEM001-02	2016-05-13	2017-05-13				
2	EXA Spectrum Analyzer	AgilentTechnolo gies Inc	N9010A	SEM004-09	2016-07-19	2017-07-19				
3	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-06	2015-06-14	2018-06-14				
4	Low Noise Amplifier	Black Diamond Series	BDLNA-0118- 352810	SEM005-05	2016-10-09	2017-10-09				



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General used equipment										
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date				
1	Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2016-10-12	2017-10-12				
2	Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2016-10-12	2017-10-12				
3	Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2016-10-12	2017-10-12				
4	Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2016-05-18	2017-05-18				



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6 Emission Test Results

6.1 Conducted Disturbance at Mains Terminals(150kHz-30MHz)

Test Requirement: 47 CFR PART 15, Subpart B:2015

Test Method: ANSI C63.4:2014 Frequency Range: 150kHz to 30MHz

Limit:

0.15M-0.5MHz 66dB(μ V)-56dB(μ V) quasi-peak, 56dB(μ V)-46dB(μ V) average

0.5M-5MHz 56dB(μ V) quasi-peak, 46dB(μ V) average 5M-30MHz 60dB(μ V) quasi-peak, 50dB(μ V) average

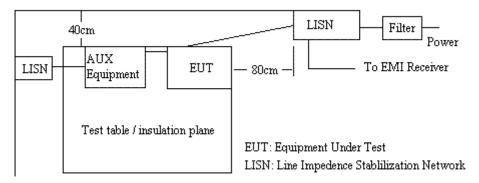
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environ	ment:									
Temperature:	22.0 °C	Humidity:	54	% RH	Atmospheric Pressure:	1015	mbar			
	a: GSM(Idle)+BT+ WLAN + GPS Rx + playing MP4 + earphone + battery + adapter									
Pretest these	b: WCDMA(Idle)+BT + WLAN+ GPS Rx + camera(Front) + earphone + battery + adapter									
mode to find the worst case:	c: LTE(Idle)+BT + WLAN+ GPS Rx + camera(rear) + earphone + battery + adapter									
wordt dado.	d: Transfer data between the EUT and the PC									
	e: FM mode									
The worst case for final test:	b: WCDMA(Idle)+BT + WLAN+ GPS Rx + camera(Front) + earphone + battery + adapter									
	d: Transfer	d: Transfer data between the EUT and the PC								

6.1.2 Test Setup

Reference Plane



6.1.3 Measurement Data

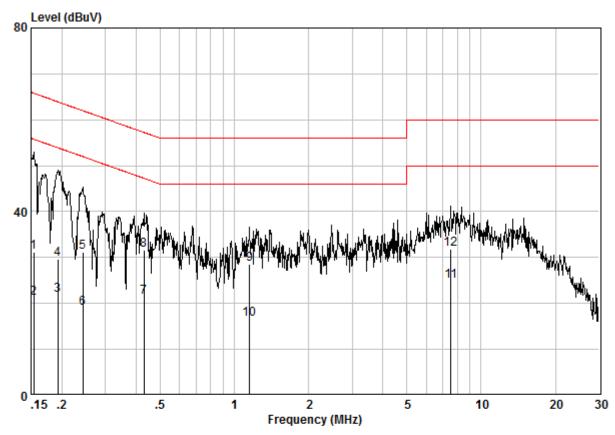
An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



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Mode:b;Line:Live Line



Site : Shielding Room Condition : CE LINE Job No. : 9167RG Test Mode : b

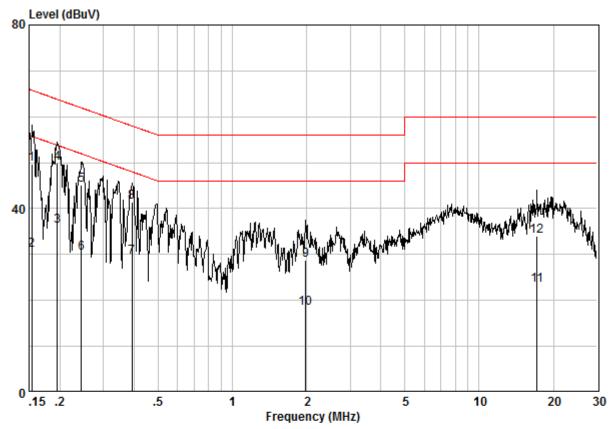
	Freq	Cable Loss	LISN Factor	Read Level		Limit Line		Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15403	0.02	9.59	21.66	31.27	65.78	-34.51	QP
2	0.15403	0.02	9.59	11.60	21.22	55.78	-34.56	AVERAGE
3	0.19242	0.02	9.60	12.10	21.72	53.93	-32.22	AVERAGE
4	0.19242	0.02	9.60	20.01	29.63	63.93	-34.31	QP
5	0.24293	0.02	9.60	21.60	31.22	62.00	-30.78	QP
6	0.24293	0.02	9.60	9.35	18.97	52.00	-33.03	AVERAGE
7	0.43052	0.02	9.60	11.74	21.35	47.24	-25.89	AVERAGE
8	0.43052	0.02	9.60	21.94	31.56	57.24	-25.68	QP
9	1.153	0.03	9.61	18.90	28.54	56.00	-27.46	QP
10	1.153	0.03	9.61	7.01	16.65	46.00	-29.35	AVERAGE
11	7.526	0.09	9.69	15.00	24.78	50.00	-25.22	AVERAGE
12	7.526	0.09	9.69	21.99	31.77	60.00	-28.23	QP



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Mode:b;Line:Neutral Line



Site : Shielding Room Condition : CE NEUTRAL Job No. : 9167RG Test Mode : b

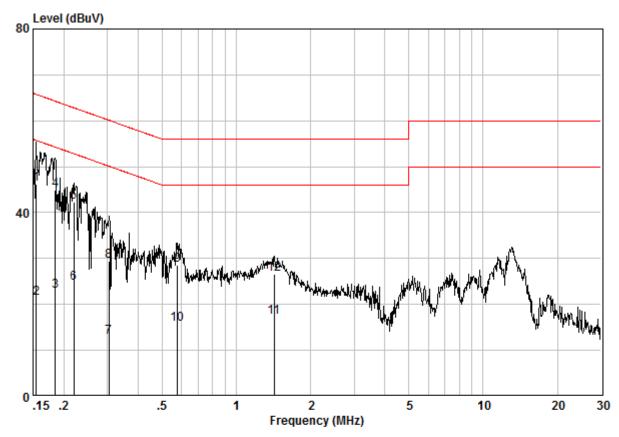
		Freq	Cable Loss	LISN Factor	Read Level		Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.15403	0.02	9.62	40.02	49.65	65.78	-16.13	QP
2		0.15403	0.02	9.62	21.39	31.03	55.78	-24.75	AVERAGE
3		0.19550	0.02	9.62	26.52	36.15	53.80	-17.65	AVERAGE
4	@	0.19550	0.02	9.62	40.23	49.86	63.80	-13.94	QP
5		0.24422	0.02	9.61	35.42	45.05	61.95	-16.90	QP
6		0.24422	0.02	9.61	20.59	30.23	51.95	-21.73	AVERAGE
7		0.39136	0.02	9.62	19.77	29.41	48.03	-18.62	AVERAGE
8		0.39136	0.02	9.62	31.76	41.40	58.03	-16.63	QP
9		1.980	0.03	9.66	19.07	28.76	56.00	-27.24	QP
10		1.980	0.03	9.66	8.70	18.39	46.00	-27.61	AVERAGE
11		17.199	0.16	9.94	13.21	23.32	50.00	-26.68	AVERAGE
12		17.199	0.16	9.94	23.97	34.07	60.00	-25.93	QP



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Mode:d;Line:Live Line



Site : Shielding Room Condition : CE LINE Job No. : 9167RG Test Mode : d

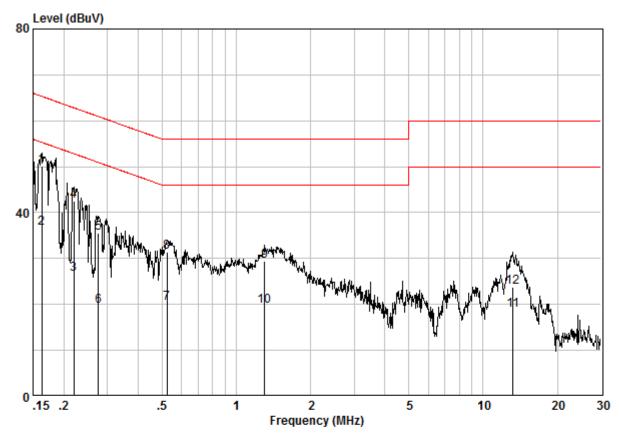
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15485	0.02	9.59	36.60	46.21	65.74	-19.52	QP
2	0.15485	0.02	9.59	11.73	21.35	55.74	-34.39	AVERAGE
3	0.18443	0.02	9.60	13.31	22.93	54.28	-31.35	AVERAGE
4	0.18443	0.02	9.60	35.24	44.86	64.28	-19.43	QP
5	0.21967	0.02	9.60	32.66	42.28	62.83	-20.55	QP
6	0.21967	0.02	9.60	15.01	24.63	52.83	-28.20	AVERAGE
7	0.30509	0.02	9.59	3.27	12.88	50.10	-37.22	AVERAGE
8	0.30509	0.02	9.59	19.90	29.51	60.10	-30.59	QP
9	0.57617	0.02	9.61	19.00	28.63	56.00	-27.37	QP
10	0.57617	0.02	9.61	6.02	15.65	46.00	-30.35	AVERAGE
11	1.426	0.03	9.59	7.65	17.27	46.00	-28.73	AVERAGE
12	1.426	0.03	9.59	17.07	26.68	56.00	-29.32	QP



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Mode:d;Line:Neutral Line



Site : Shielding Room Condition : CE NEUTRAL Job No. : 9167RG Test Mode : d

		Cable	LISN	Read		Limit	Over	
	Freq		Factor		Level			Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.16241	0.02	9.61	40.56	50.19	65.34	-15.15	QP
2	0.16241	0.02	9.61	27.00	36.63	55.34	-18.71	AVERAGE
3	0.21967	0.02	9.62	16.95	26.58	52.83	-26.25	AVERAGE
4	0.21967	0.02	9.62	32.76	42.40	62.83	-20.43	QP
5	0.27587	0.02	9.62	25.89	35.52	60.94	-25.41	QP
6	0.27587	0.02	9.62	9.89	19.53	50.94	-31.41	AVERAGE
7	0.52376	0.02	9.63	10.59	20.24	46.00	-25.76	AVERAGE
8	0.52376	0.02	9.63	21.79	31.44	56.00	-24.56	QP
9	1.303	0.03	9.65	19.85	29.53	56.00	-26.47	QP
10	1.303	0.03	9.65	10.00	19.67	46.00	-26.33	AVERAGE
11	13.197	0.15	9.86	8.80	18.82	50.00	-31.18	AVERAGE
12	13.197	0.15	9.86	13.76	23.77	60.00	-36.23	QP



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6.2 Radiated Disturbance(30MHz-1GHz)

Test Requirement: 47 CFR PART 15, Subpart B:2015

Test Method: ANSI C63.4:2014 Frequency Range: 30MHz to 1GHz

Limit:

 $\begin{array}{lll} 30 \text{MHz} - 88 \text{MHz} & 29.5 (\text{dB}\mu\text{V/m}) \text{ quasi-peak} \\ 88 \text{MHz-216MHz} & 33.1 (\text{dB}\mu\text{V/m}) \text{ quasi-peak} \\ 216 \text{MHz-960MHz} & 35.6 (\text{dB}\mu\text{V/m}) \text{ quasi-peak} \\ 960 \text{MHz-1000MHz} & 43.5 (\text{dB}\mu\text{V/m}) \text{ quasi-peak} \\ \end{array}$

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

6.2.1 E.U.T. Operation

Operating Environ	ment:									
Temperature:	24.0	ô	Humidity:	54	% RH	Atmospheric Pressure:	1010	mbar		
	a: GSM(Idle)+BT+ WLAN + GPS Rx + playing MP4 + earphone + battery + adapte									
Pretest these	b: WCDMA(Idle)+BT + WLAN+ GPS Rx + camera(Front) + earphone + battery + adapter									
mode to find the worst case:	c: LTE(Idle)+BT + WLAN+ GPS Rx + camera(rear) + earphone + battery + adapter									
wordt dado.	d: Transfer data between the EUT and the PC									
	e: FM mode									
The worst case for final test:	b: WCDMA(Idle)+BT + WLAN+ GPS Rx + camera(Front) + earphone + battery + adapter							ery +		
	d: Tra	ansfer data	a between th	e El	JT and the	e PC				

6.2.2 Measurement Data

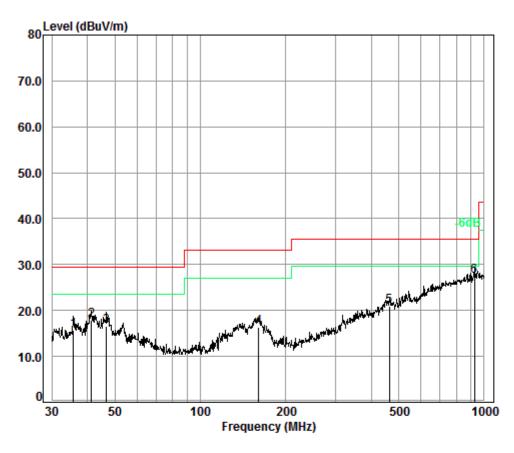
An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



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Mode:b;Polarization:Horizontal



Condition: 10m HORIZONTAL

Job No. : 9167RG

Test Mode: b

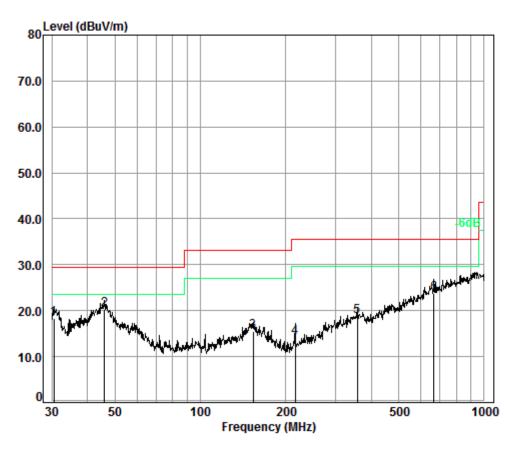
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	35.75	6.72	12.75	32.98	29.29	15.78	29.50	-13.72
2	41.42	6.80	13.20	32.99	30.96	17.97	29.50	-11.53
3	46.83	6.84	12.85	33.00	29.98	16.67	29.50	-12.83
4	160.35	7.50	13.36	32.73	28.26	16.39	33.10	-16.71
5	463.97	8.46	16.33	32.60	28.68	20.87	35.60	-14.73
6 pp	925.76	9.51	22.57	32.50	27.92	27.50	35.60	-8.10



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Mode:b;Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 9167RG

Test Mode: b

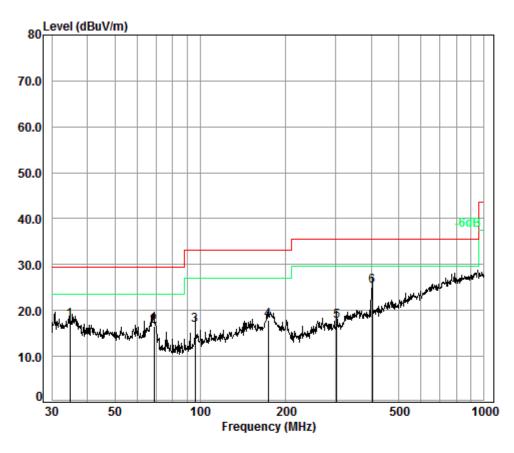
	F			Preamp				
	Freq	LOSS	Factor	Factor	revei	revei	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.53	6.70	12.49	32.97	32.06	18.28	29.50	-11.22
2 pp	46.02	6.82	12.87	32.99	33.62	20.32	29.50	-9.18
3	153.74	7.47	13.40	32.74	27.36	15.49	33.10	-17.61
4	216.02	7.68	9.91	32.68	29.32	14.23	35.60	-21.37
5	357.93	8.29	14.02	32.60	28.98	18.69	35.60	-16.91
6	665.80	9.07	19.73	32.60	27.54	23.74	35.60	-11.86



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Mode:d;Polarization:Horizontal



Condition: 10m VERTICAL

Job No. : 9167RG

Test Mode: d

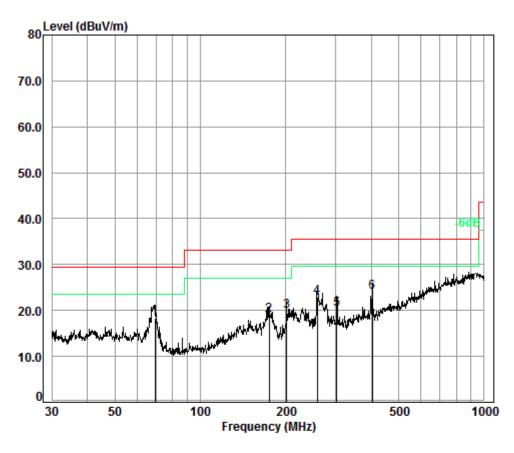
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	34.76	6.70	12.63	32.98	31.60	17.95	29.50	-11.55
2	68.63	6.93	10.32	32.91	32.17	16.51	29.50	-12.99
3	96.10	7.20	9.13	32.81	33.23	16.75	33.10	-16.35
4	173.21	7.50	11.93	32.72	31.07	17.78	33.10	-15.32
5	302.48	8.06	12.73	32.60	29.55	17.74	35.60	-17.86
6 pp	403.25	8.31	14.95	32.60	34.68	25.34	35.60	-10.26



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Mode:d;Polarization:Vertical



Condition: 10m HORIZONTAL

Job No. : 9167RG

Test Mode: d

	Freq			Preamp Factor			Limit Line	Over Limit
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	69.36	6.91	10.19	32.91	34.03	18.22	29.50	-11.28
2	175.04	7.50	11.65	32.72	32.47	18.90	33.10	-14.20
3	201.39	7.61	9.32	32.70	35.71	19.94	33.10	-13.16
4	258.33	7.90	11.44	32.64	36.08	22.78	35.60	-12.82
5	302.48	8.06	12.73	32.60	32.02	20.21	35.60	-15.39
6	403.25	8.31	14.95	32.60	33.25	23.91	35.60	-11.69



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6.3 Radiated Disturbance(above 1GHz)

Test Requirement: 47 CFR PART 15, Subpart B:2015

Test Method: ANSI C63.4:2014 Frequency Range: Above 1GHz

Limit:

Above 1GHz 74(dBµV/m) peak, 54(dBµV/m) average

Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

6.3.1 E.U.T. Operation

Operating Environ	ment:									
Temperature:	25.0	°C Humidity:	55	% RH	Atmospheric Pressure:	1015	mbar			
	a: GSM(Idle)+BT+ WLAN + GPS Rx + playing MP4 + earphone + battery + adapter									
Pretest these	b: WCDMA(Idle)+BT + WLAN+ GPS Rx + camera(Front) + earphone + battery + adapter									
mode to find the worst case:	c: LTE(Idle)+BT + WLAN+ GPS Rx + camera(rear) + earphone + battery + adapter									
wordt dadd.	d: Transfer data between the EUT and the PC									
	e: FM mode									
The worst case for final test:	b: W adap		AN+	GPS R	x + camera(Front) + earphone	+ batt	ery +			
	d: Tra	ansfer data between th	e El	JT and th	ne PC					

6.3.2 Measurement Data

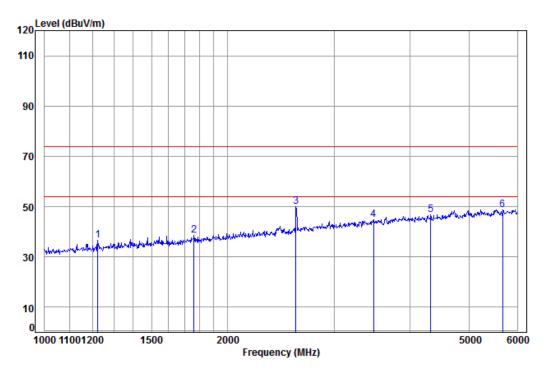
An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



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Mode:b;Polarization:Horizontal



Condition: 3m HORIZONTAL

Job No: : 9167RG

Mode: : b

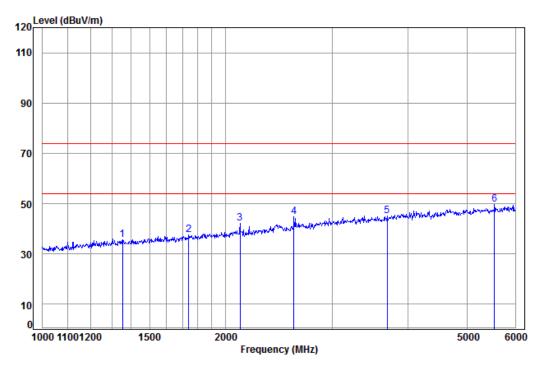
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1224.422	4.11	24.60	38.03	45.81	36.49	74.00	-37.51
2	1761.553	4.77	26.92	38.08	45.10	38.71	74.00	-35.29
3 рр	2594.039	5.52	29.78	38.16	52.79	49.93	74.00	-24.07
4	3480.112	6.29	32.17	38.46	44.83	44.83	74.00	-29.17
5	4322.645	7.08	33.60	38.84	44.81	46.65	74.00	-27.35
6	5675.819	8.43	34.51	39.03	44.95	48.86	74.00	-25.14



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Mode:b;Polarization:Vertical



Condition: 3m VERTICAL Job No: : 9167RG

Mode: : b

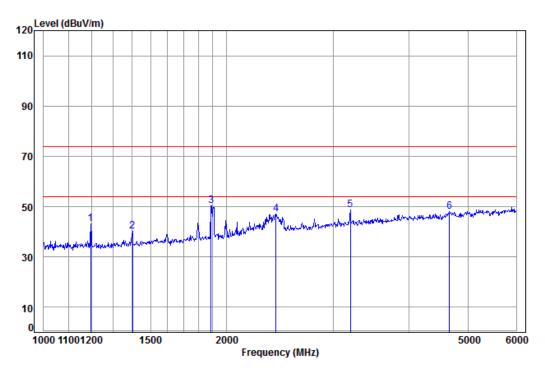
	Freq			Preamp Factor				Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1353.654	4.29	25.19	38.04	44.36	35.80	74.00	-38.20
2	1739.597	4.75	26.83	38.08	44.07	37.57	74.00	-36.43
3	2114.790	5.11	28.20	38.11	46.96	42.16	74.00	-31.84
4	2594.039	5.52	29.78	38.16	47.69	44.83	74.00	-29.17
5	3692.090	6.46	32.76	38.56	44.39	45.05	74.00	-28.95
6	pp 5545.141	8.30	34.43	39.04	45.85	49.54	74.00	-24.46



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Mode:d;Polarization:Horizontal



Condition: 3m HORIZONTAL

Job No: : 9167RG

Mode: : d

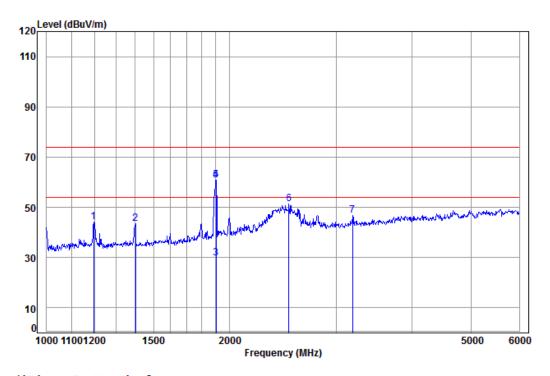
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.231	4.07	24.46	38.03	52.58	43.08	74.00	-30.92
2	1400.530	4.35	25.39	38.05	48.55	40.24	74.00	-33.76
3 рр	1885.669	4.90	27.39	38.09	56.26	50.46	74.00	-23.54
4	2414.629	5.36	29.15	38.15	50.71	47.07	74.00	-26.93
5	3199.044	6.08	31.68	38.31	49.14	48.59	74.00	-25.41
6	4660.494	7.52	33.90	38.97	45.53	47.98	74.00	-26.02



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Mode:d;Polarization:Vertical



Condition: 3m Vertical Job No: : 9167RG

Mode: : d

	Cable	Ant	Preamp	Read		Limit	0ver
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
•							
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
		,					
1 1196.231	4.07	24.46	38.03	53.57	44.07	74.00	-29.93
2 1400.530	4.35	25.39	38.05	51.73	43.42	74.00	-30.58
3 av 1902.639	4.92	27.45	38.09	35.58	29.86	54.00	-24.14
4 pp 1902.639	4.92	27.45	38.09	66.60	60.88	74.00	-13.12
5 1902.639	4.92	27.45	38.09	66.60	60.88	74.00	-13.12
6 2507.215	5.43	29.43	38.16	54.54	51.24	74.00	-22.76
7 3187.600	6.08	31.65	38.31	47.21	46.63	74.00	-27.37



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7 Photographs

7.1 EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1610009167RG.