

**SGS-CSTC Standards
Technical Services Co., Ltd.**

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Report No.: SHEMO060200119IT
Page 1 of 52

FCC TEST REPORT(DOC)

Application No.: SHEMO060200119IT
Applicant: TCL&Alcatel Mobile Phones.
Equipment Under Test (EUT):

NOTE: The following sample(s) submitted was/were identified on behalf of the client as

EUT Name: GSM Mobile Phone
Type.: E5La
Marketing Name: OT-C750a
Item No.: Not supplied by client
Serial No.: Not supplied by client
Standards: CFR 47 part 2: 2004,
CFR 47 Part 15: 2005,
ANSI C63.4: 2003

Date of Receipt: 23 February 2006
Date of Test: 23 February 2006 to 7 March 2006
Date of Issue: 8 March 2006

Test Result :	PASS
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Authorized Signature:



Tino Pan
E&E Section Head
SGS-CSTC Co., Ltd.



Chester Zhao
E&E Project Engineer
SGS-CSTC Co., Ltd

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the SGS PRODUCT CERTIFICATION MARK.. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. 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.

All test results in this report can be traceable to National or International Standards.

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Report No.: SHEMO060200119IT
Page 2 of 52

2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission 30MHz-1000MHz	CFR 47 Part 15	ANSI C63.4: 2003	Class B	PASS
Conducted Emission 150KHz-30MHz	CFR 47 Part 15	ANSI C63.4: 2003	Class B	PASS

Note: OT-C750a has five power adapters (ASTEC: 3DS09371AGAA, 3DS09371AAAA , LEADER: 3DS09371AGAA, 3DS09371AAAA , 3DS09371AAHA) and one earphone. And all sample have been tested, So we just have five sets test data show in report.

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Report No.: SHEMO060200119IT
Page 3 of 52

3 Contents

	Page
1 COVER PAGE.....	1
2 TEST SUMMARY.....	2
3 CONTENTS	3
4 GENERAL INFORMATION.....	4
4.1 CLIENT INFORMATION	4
4.2 GENERAL DESCRIPTION OF E.U.T.....	4
4.3 DETAILS OF E.U.T.	4
4.4 DESCRIPTION OF SUPPORT UNITS	5
4.5 STANDARDS APPLICABLE FOR TESTING.....	5
4.6 TEST LOCATION.....	5
4.6 DEVIATION FROM STANDARDS	6
4.7 ABNORMALITIES FROM STANDARD CONDITIONS	6
4.8 MONITORING OF EUT FOR ALL IMMUNITY TEST.....	6
4.9 TEST CONFIDENT LEVEL	6
5 EQUIPMENTS USED DURING TEST	7
6 EMISSION TEST RESULTS.....	8
6.1 RADIATED EMISSIONS, 30MHz TO 1GHz	8
6.1.1 E.U.T. Operation.....	8
6.1.2 Test setup:	8
6.1.3 Test Result:	9
7 PHOTOGRAPHS.....	51
7.1 RADIATED EMISSION TEST SETUP.....	51
7.2 EUT CONSTRUCTIONAL DETAILS	52

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Report No.: SHEMO060200119IT
Page 4 of 52

4 General Information

4.1 Client Information

Applicant: TCL&Alcatel Mobile Phones.
Address of Applicant: 30/F, Times Square, 500 Zhangyang RD. Shanghai 200122, P.R. China.

4.2 General Description of E.U.T.

EUT Name: GSM Mobile Phone
Model No.: E5La
Marketing Name: OT-C750a
Brand Name: Not supplied by client
Serial No.: Not supplied by client

4.3 Details of E.U.T.

Power Supply 01: AC to DC charger(Model number: 3DS09371AGAA Input: 100V-127V~, 50/60Hz 0.15A Output:DC 4.5V, 0.35A)
P/N: 3DS09371AGAA
Manufactures: Astec

Power Cord 01: 2 m

Power Supply 02: AC to DC charger(Model number: 3DS09371AGAA Input: 100V-127V~, 0.3A 50/60Hz Output:DC 4.5V, 0.35A)
P/N: 3DS09371AGAA
Manufactures: Leader

Power Cord 02: 2.05 m

Power Supply03: AC to DC charger (Model NO: 3DS09371AAAA Input: AC 220V-240V~, 50/60Hz 0.3A Output: DC 4.5V, 0.35A)
Manufactures: Astec

Power Cord03: 2m

Power Supply04: AC to DC charger (Model NO: 3DS09371AAAA Input: AC 220V-240V~, 50/60Hz 0.15A Output:DC 4.5V, 0.35A)
Manufactures: Leader

Power Cord04: 2.06m

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Report No.: SHEMO060200119IT
Page 5 of 52

Power Supply05: AC to DC charger (Model NO: 3DS09371AHAA Input: AC 220V-240V~, 50/60Hz 0.15A Output:DC 4.5V, 0.35A)
Manufactures: Leader

Power Cord05: 2.00m
Headset P/N: 3DS07855AAAA
Manufacturers: Merry

Batthey DC 3.7V / 650mAh
Manufacturers: Sony Energy Devices Corp./ ALCATEL

4.4 Description of Support Units

Name / Function	Model No	Remark
N/A	N/A	N/A

4.5 Standards Applicable for Testing

The customer requested EMC tests for a GSM Mobile Phone.

The standards used was CFR 47 part 2: 2004 and CFR 47 part 15: 2005:

Table 1 : Tests Carried Out Under CFR 47 Part 15: 2005 :

Standard		Status
FCC Part 15 Subpart B: 2005	Radiated Emission	√
FCC Part 15 Subpart B: 2005	Conducted Emission	√

× Indicates that the test is not applicable
√ Indicates that the test is applicable

4.6 Test Location

All tests were performed at:

SIMT EMC Laboratory, 1/F, Building No.1, Agriculture Machinery Materials Company
No.716 Yi shan Road, Shanghai, P.R.China.

Tel: +86 21 64701390 Fax: +86 21 64514252

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Report No.: SHEMO060200119IT
Page 6 of 52

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

4.8 Monitoring of EUT for All Immunity Test

N/A

4.9 Test Confident level

Test Confident level is recognized, certified, or accredited by the following organizations:

NVLAP – Lab Code: 200632-0

SIMT EMC Laboratory is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP/NIST).
NVLAP Code: 200632-0. Effective through December 31, 2004.

VCCI

The 10m Semi-anechoic chamber and Shielded Room of SIMT have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: 1153.
Date of Registration: May 29, 2004. Valid until May 18, 2007

CNAL – LAB Code: L0134

SIMT EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of Testing Laboratories.

FCC – Registration No.: 142171

SIMT 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 142171, December 9, 2002. With the above and NVLAP, SIMT is an authorized test laboratory for the DoC process.

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Report No.: SHEMO060200119IT
Page 7 of 52

5 Equipments Used during Test

Radiated Emission Test in Chamber CFR 47 part 15: 2005						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
1	HORN ANTENNA	R&S	HF 906	100023	2005.07.24	2006.07.23
2	BROADBAND ANTENNA	R&S	HL 562	100019	2005.10.10	2006.10.09
3	EMI TEST RECEIVER	R&S	ESI 26	838786/011	2005.08.13	2006.08.13
4	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	SHEM04-1	2005.09.01	2006.08.31
Conducted Emission CFR 47 part 15: 2005						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
1	EMI TEST RECEIVER	R&S	ESCS 30	100070	2005.08.28	2006.08.27
2	ARTIFICIAL MAINS NETWORK	R&S	ESH2-Z5	100030	2005.09.19	2006.09.18
3	2 X 2 WIRE ISN	R&S	ENY 22	100052	2005.09.06	2006.09.05
4	FOUR WIRE ISN	R&S	ENY 41	100064	2005.09.06	2006.09.05
5	RF CURRENT PROBE	FCC	FCC-F-52	129	2005.08.22	2006.08.21
6	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	SHEM04-1	2005.09.01	2006.08.31
General Equipment						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
1	Temperature, Humidity & Barometer	Oregon Scientific	BA-888	EMC0001 to EMC0004	2005.07.25	2006.07.24
2	DMM	Fluke	73	70681569 or 70671122	2005.07.23	2006.07.22

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Report No.: SHEMO060200119IT
Page 8 of 52

6 Emission Test Results

6.1 Radiated Emissions, 30MHz to 1GHz

Test Requirement:	CFR 47 Part 15
Test Method:	ANSI C63.4, CISPR 22
Test Date:	8 March 2006
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m for ANSI C63.4 and 10m for CISPR 22
Class:	N/A
Detector:	Peak for pre-scan (120kHz resolution bandwidth)

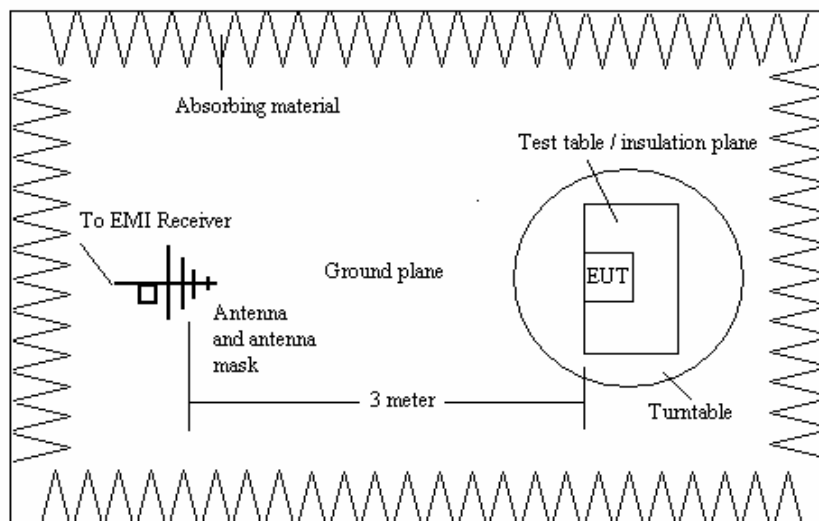
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0 °C Humidity: 55 % RH Atmospheric Pressure: 1004 mbar

EUT Operation: EUT allocated channel mode Charging, GSM850, PCS 1900 with headset.

6.1.2 Test setup:



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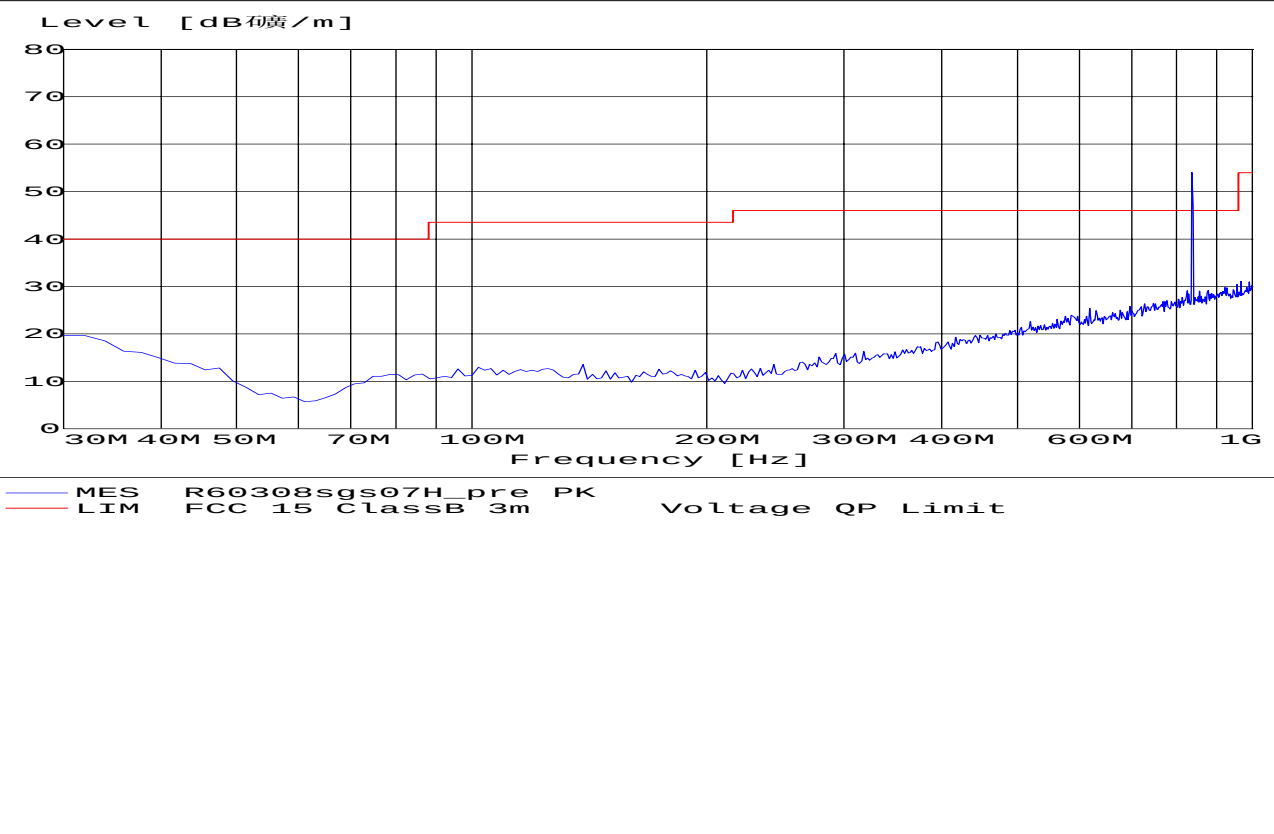
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Report No.: SHEMO060200119IT
Page 9 of 52

6.1.3 Test Result:

GSM 850 connected: (test OT-C750a with 3DS09371AGAA of Leader power adapter)

Horizontal: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	40	*	-	-
45	Horizontal	*	40	*	-	-
88	Horizontal	*	43.5	*	-	-
150	Horizontal	*	43.5	*	-	-
216	Horizontal	*	46	*	-	-
560	Horizontal	*	46	*	-	-
960	Horizontal	*	54	*	-	-
1000	Horizontal	*	54	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

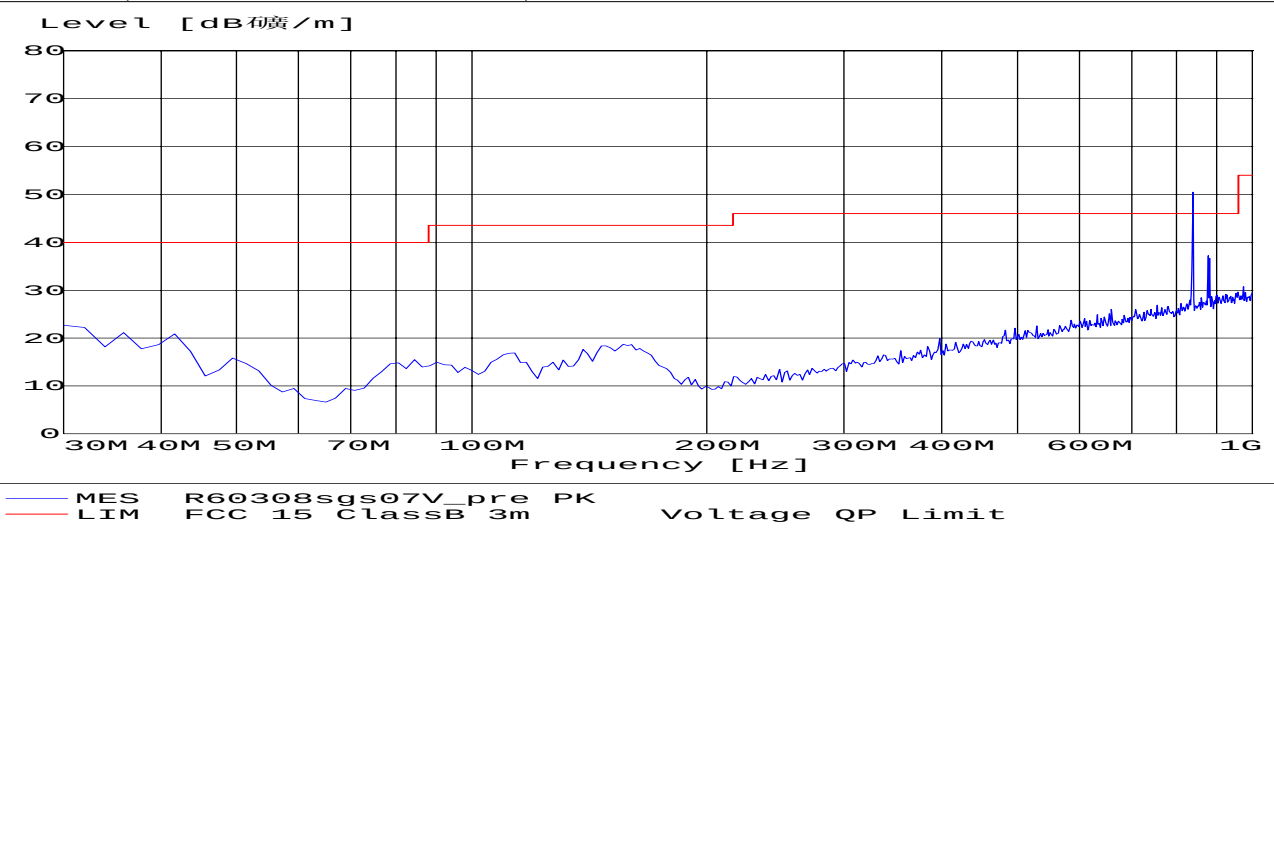
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Report No.: SHEMO060200119IT
Page 10 of 52

Vertical: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	40	*	-	-
45	Vertical	*	40	*	-	-
88	Vertical	*	43.5	*	-	-
150	Vertical	*	43.5	*	-	-
216	Vertical	*	46	*	-	-
560	Vertical	*	46	*	-	-
960	Vertical	*	54	*	-	-
1000	Vertical	*	54	*		

1. All readings are Peak values.
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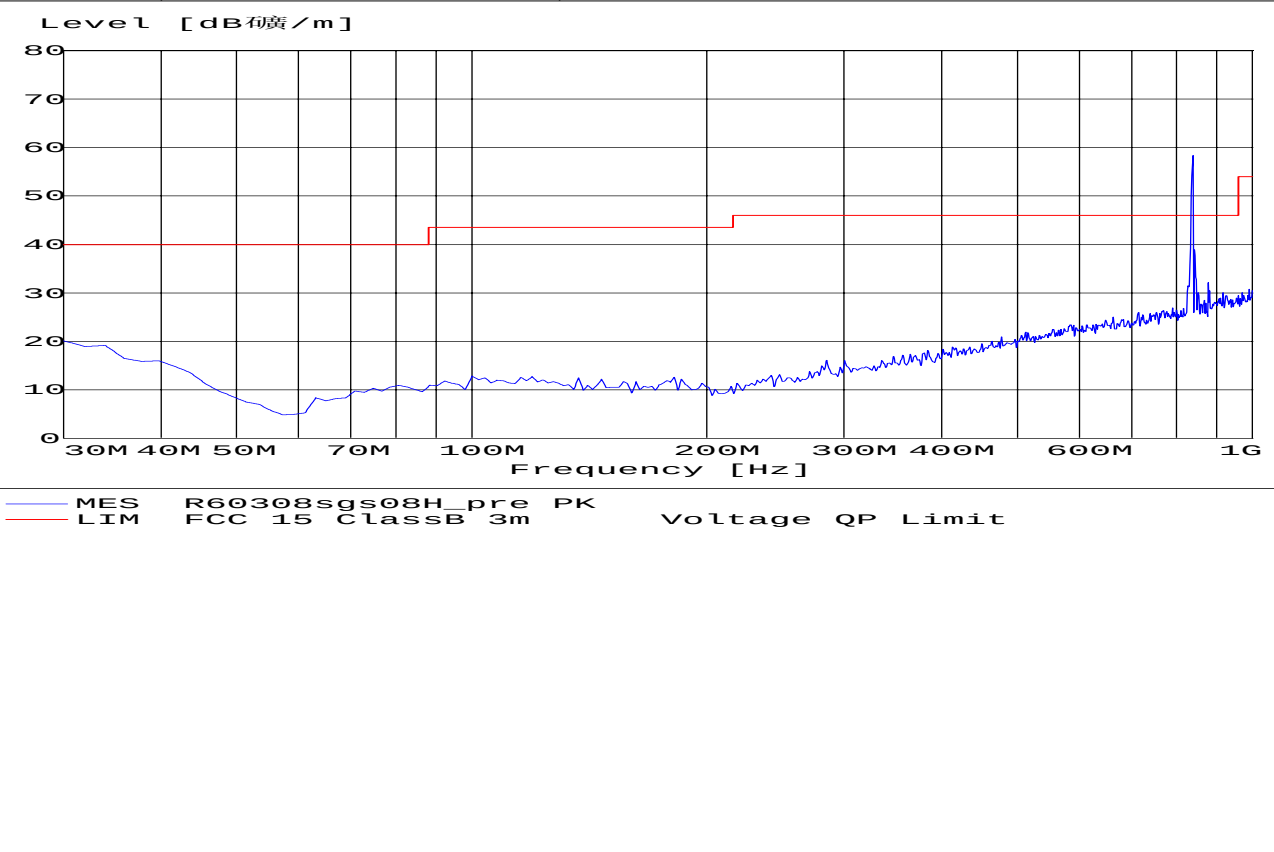
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Report No.: SHEMO060200119IT
Page 11 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AGAA of Astec power adapter)
Horizontal: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	40	*	-	-
45	Horizontal	*	40	*	-	-
88	Horizontal	*	43.5	*	-	-
150	Horizontal	*	43.5	*	-	-
216	Horizontal	*	46	*	-	-
560	Horizontal	*	46	*	-	-
960	Horizontal	*	54	*	-	-
1000	Horizontal	*	54	*	-	-

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2. “*” means the emission level is 6 dB below the relevant limit.

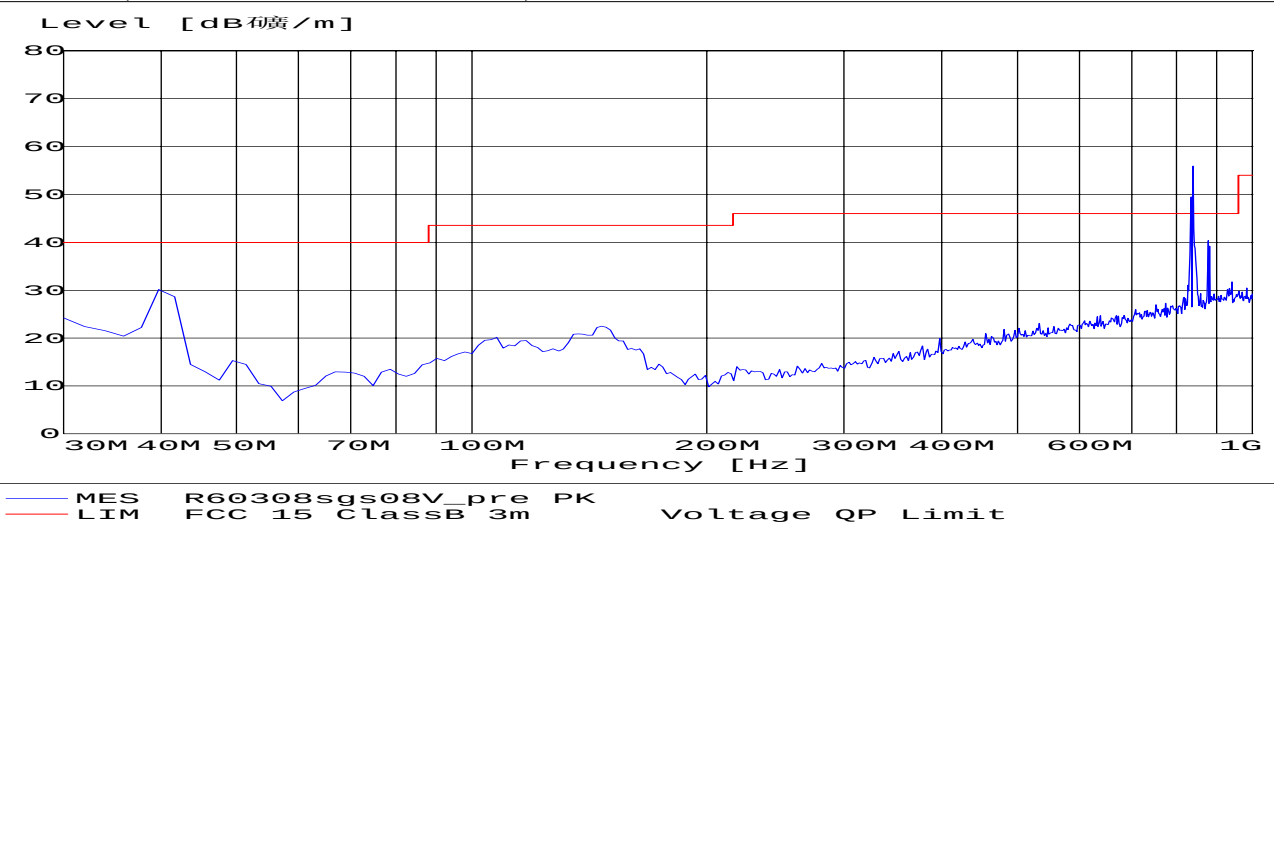
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Report No.: SHEMO060200119IT
Page 12 of 52

Vertical: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	40	*	-	-
45	Vertical	*	40	*	-	-
88	Vertical	*	43.5	*	-	-
150	Vertical	*	43.5	*	-	-
216	Vertical	*	46	*	-	-
560	Vertical	*	46	*	-	-
960	Vertical	*	54	*	-	-
1000	Vertical	*	54	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

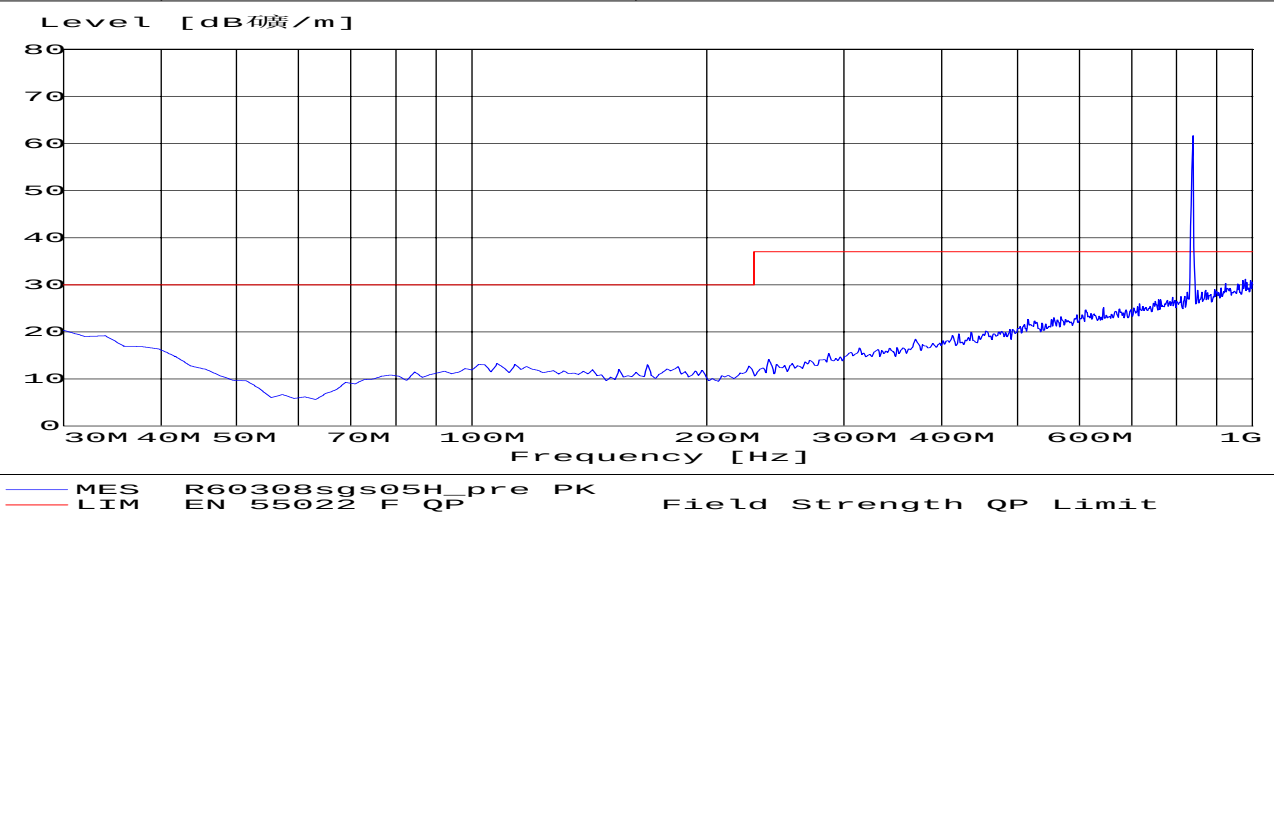
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Report No.: SHEMA0060200119IT
Page 13 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AAAA of Astec power adapter)
Horizontal: (CISPR 22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	30	*	-	-
45	Horizontal	*	30	*	-	-
88	Horizontal	*	30	*	-	-
150	Horizontal	*	30	*	-	-
216	Horizontal	*	30	*	-	-
560	Horizontal	*	37	*	-	-
960	Horizontal	*	37	*	-	-
1000	Horizontal	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

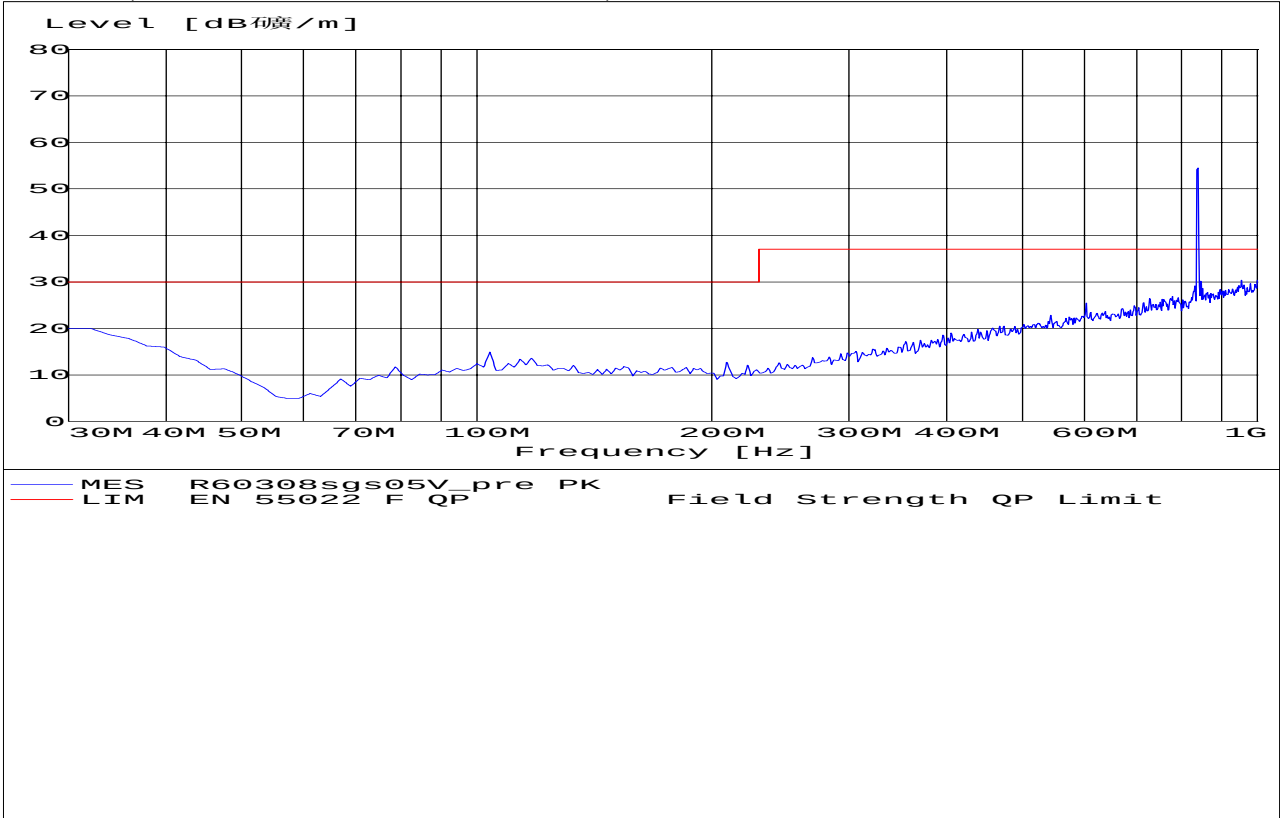
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Report No.: SHEMO060200119IT
Page 14 of 52

Vertical: (CISPR 22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	30	*	-	-
45	Vertical	*	30	*	-	-
88	Vertical	*	30	*	-	-
150	Vertical	*	30	*	-	-
216	Vertical	*	30	*	-	-
560	Vertical	*	37	*	-	-
960	Vertical	*	37	*	-	-
1000	Vertical	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

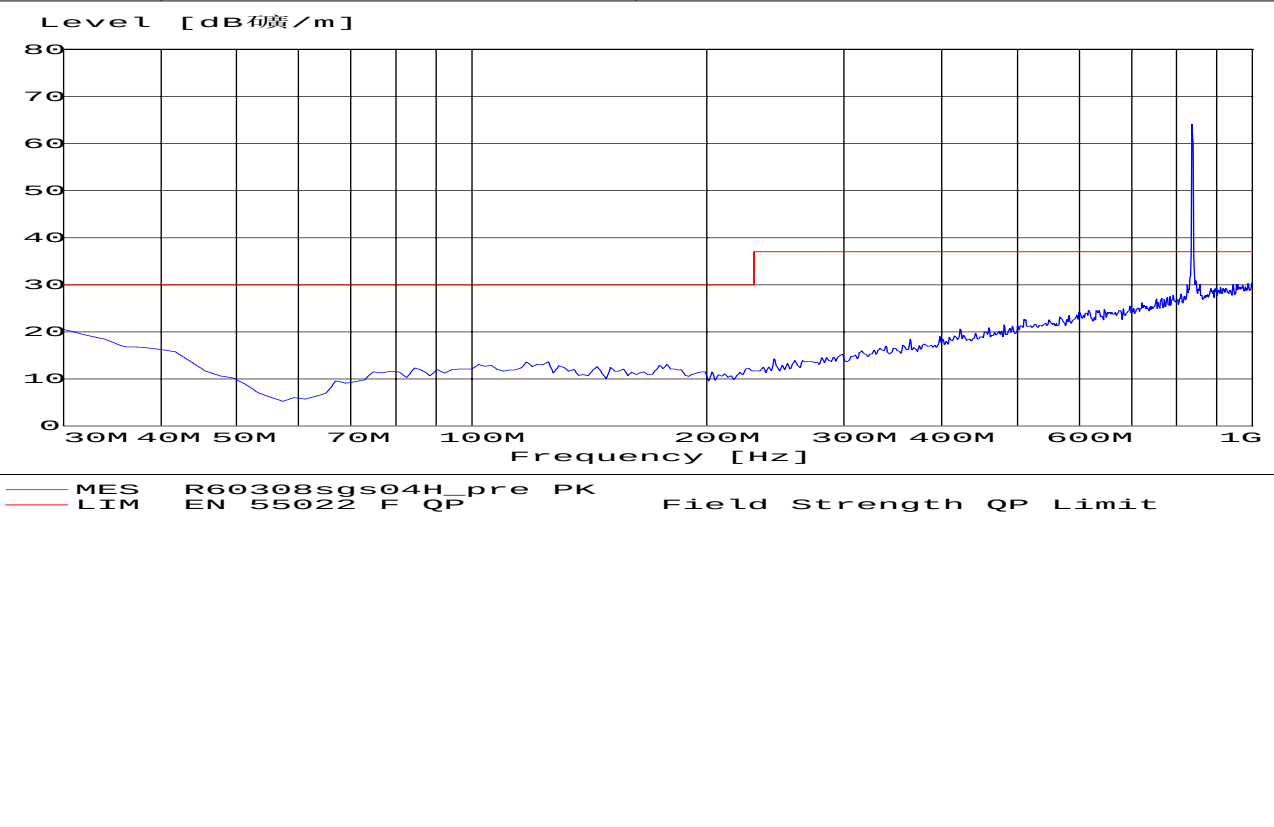
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Report No.: SHEMO060200119IT
Page 15 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AAAA of Leader power adapter)
Horizontal: (CISPR 22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	30	*	-	-
45	Horizontal	*	30	*	-	-
88	Horizontal	*	30	*	-	-
150	Horizontal	*	30	*	-	-
216	Horizontal	*	30	*	-	-
560	Horizontal	*	37	*	-	-
960	Horizontal	*	37	*	-	-
1000	Horizontal	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

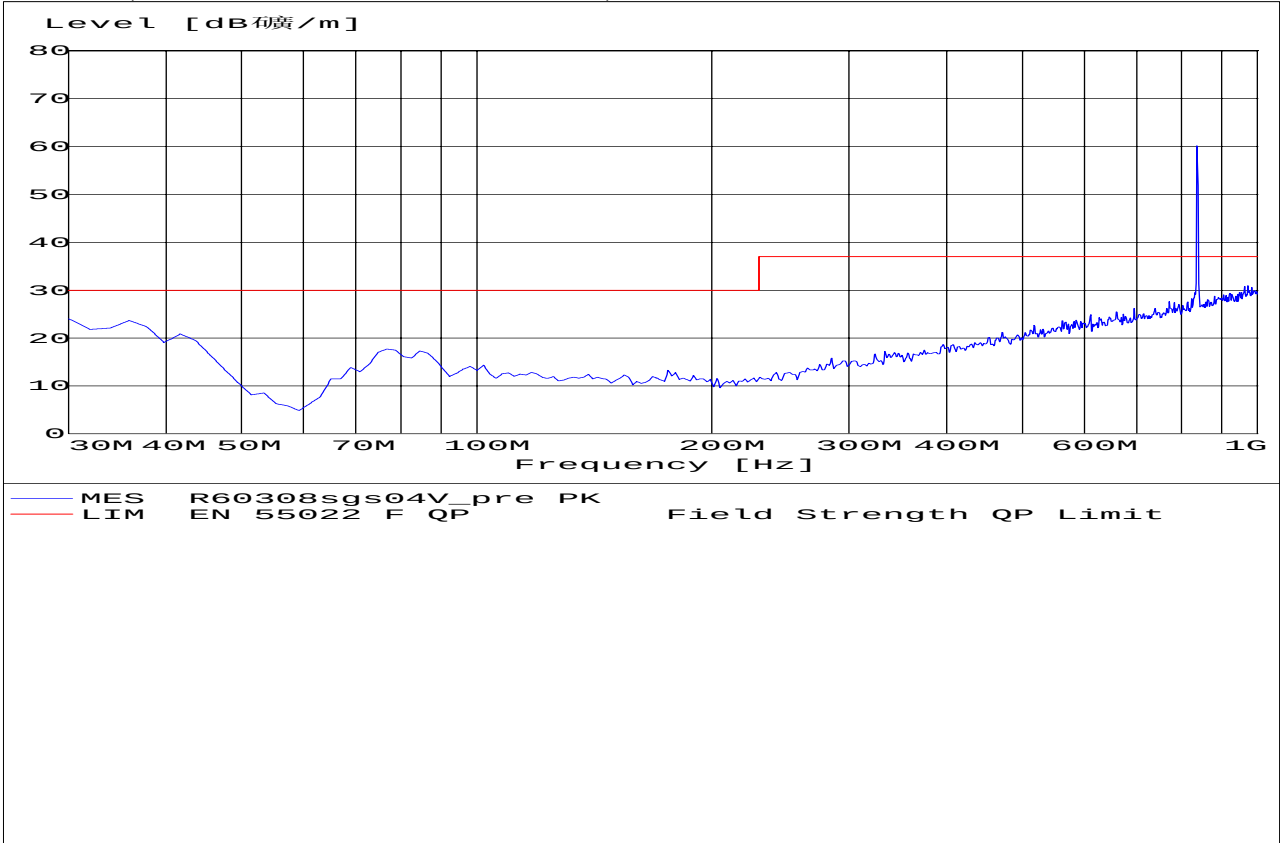
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Report No.: SHEMO060200119IT
Page 16 of 52

Vertical: (CISPR 22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	30	*	-	-
45	Vertical	*	30	*	-	-
88	Vertical	*	30	*	-	-
150	Vertical	*	30	*	-	-
216	Vertical	*	30	*	-	-
560	Vertical	*	37	*	-	-
960	Vertical	*	37	*	-	-
1000	Vertical	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

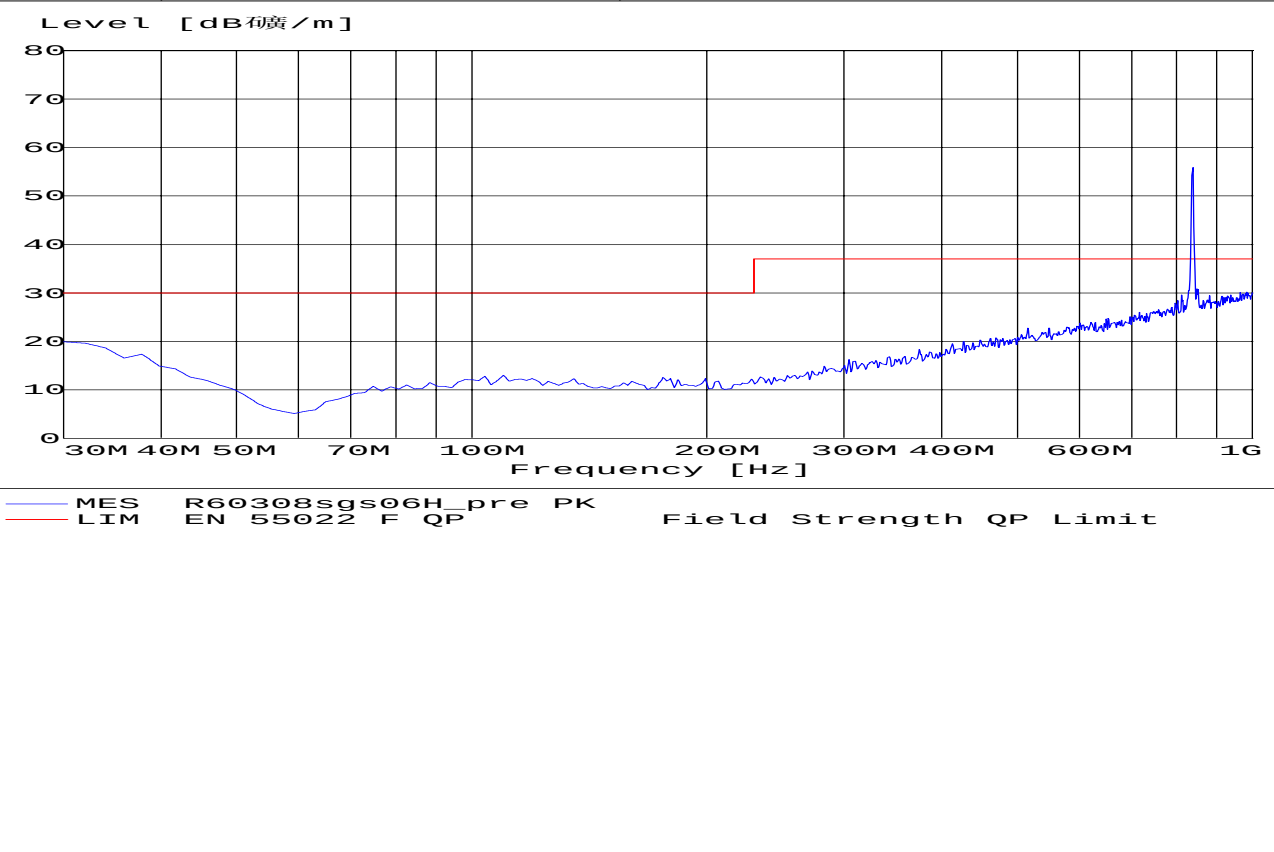
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Report No.: SHEMO060200119IT
Page 17 of 52

GSM 850 connected: (test OT-C750a with 3DS07848AHAA of Leader power adapter)
Horizontal: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	30	*	-	-
45	Horizontal	*	30	*	-	-
88	Horizontal	*	30	*	-	-
150	Horizontal	*	30	*	-	-
216	Horizontal	*	30	*	-	-
560	Horizontal	*	37	*	-	-
960	Horizontal	*	37	*	-	-
1000	Horizontal	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

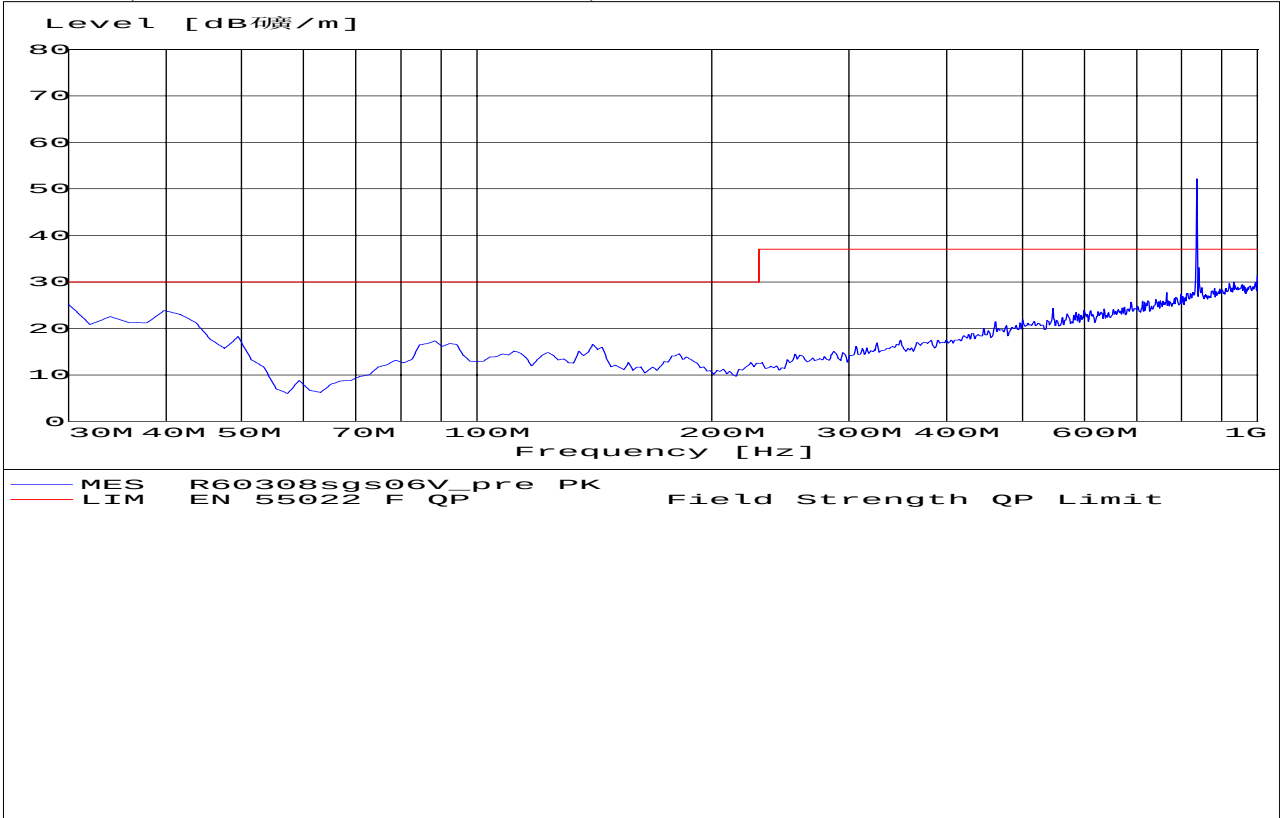
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Report No.: SHEMA060200119IT
Page 18 of 52

Vertical: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	30	*	-	-
45	Vertical	*	30	*	-	-
88	Vertical	*	30	*	-	-
150	Vertical	*	30	*	-	-
216	Vertical	*	30	*	-	-
560	Vertical	*	37	*	-	-
960	Vertical	*	37	*	-	-
1000	Vertical	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

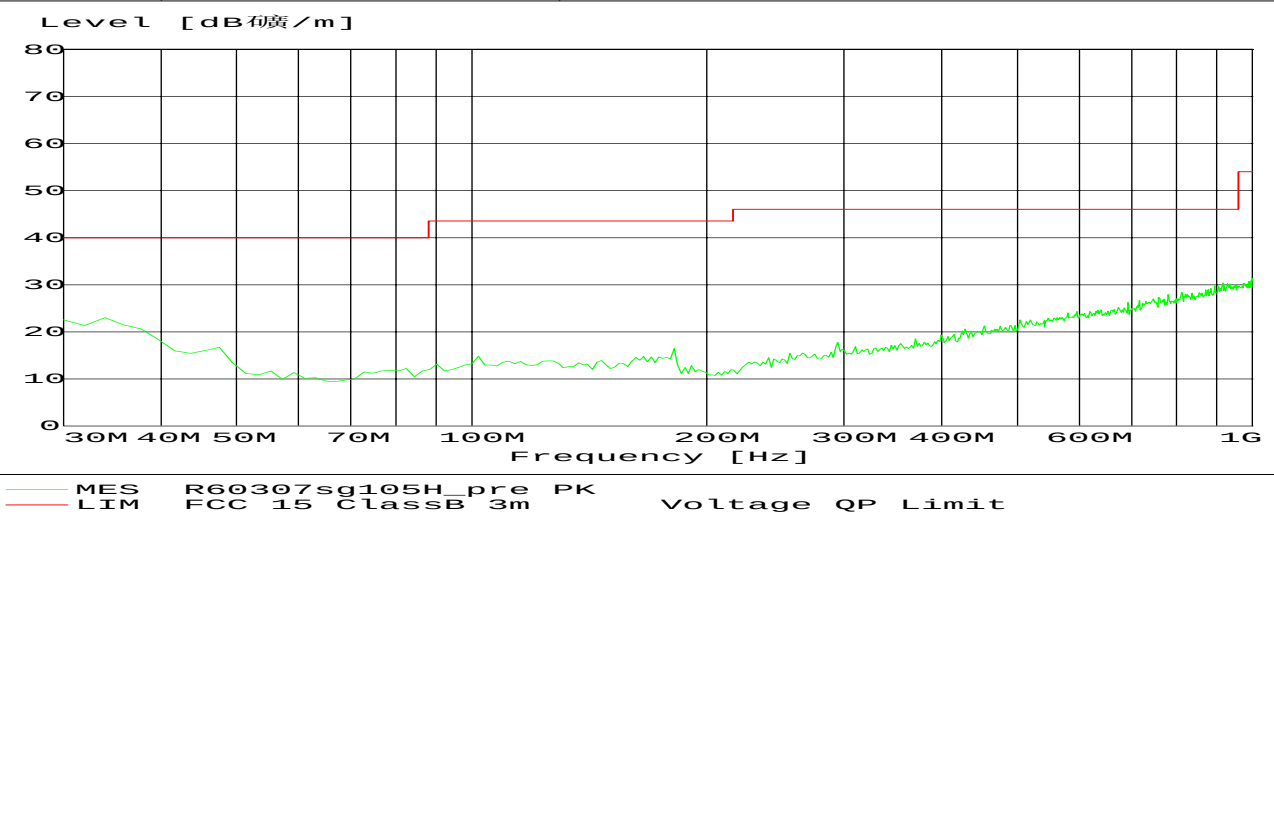
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Report No.: SHEMO060200119IT
Page 19 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AGAA of Leader power adapter)
Horizontal: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	40	*	-	-
45	Horizontal	*	40	*	-	-
88	Horizontal	*	43.5	*	-	-
150	Horizontal	*	43.5	*	-	-
216	Horizontal	*	46	*	-	-
560	Horizontal	*	46	*	-	-
960	Horizontal	*	54	*	-	-
1000	Horizontal	*	54	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

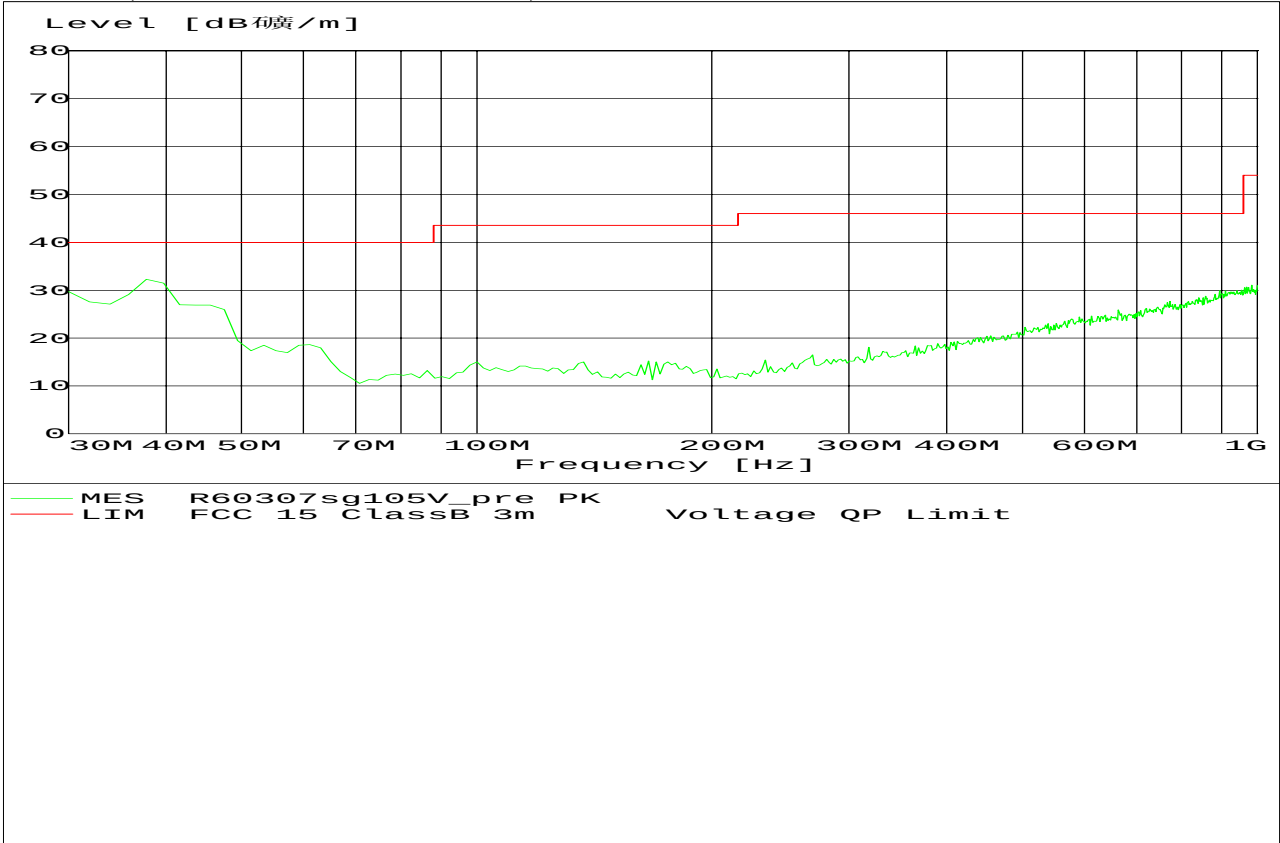
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Report No.: SHEMO060200119IT
Page 20 of 52

Vertical: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	40	*	-	-
45	Vertical	*	40	*	-	-
88	Vertical	*	43.5	*	-	-
150	Vertical	*	43.5	*	-	-
216	Vertical	*	46	*	-	-
560	Vertical	*	46	*	-	-
960	Vertical	*	54	*	-	-
1000	Vertical	*	54	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

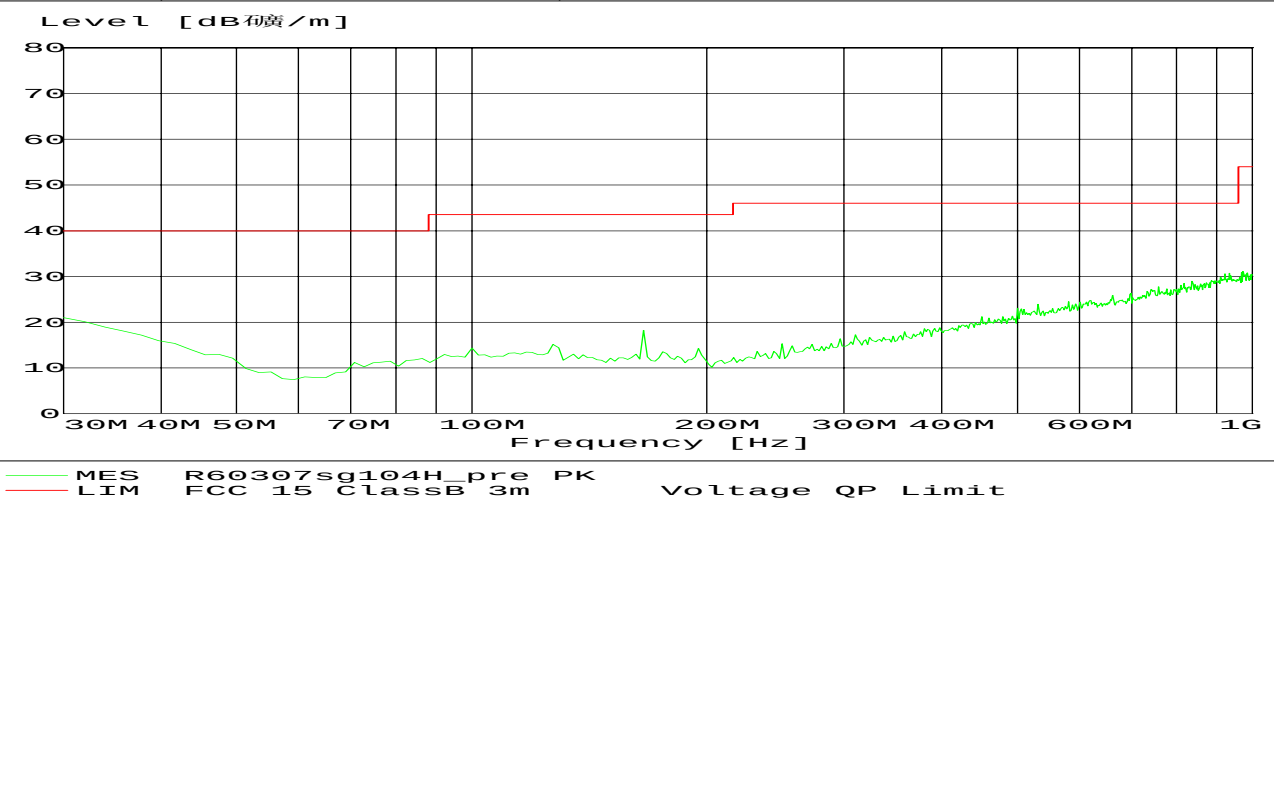
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Report No.: SHEMA0060200119IT
Page 21 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AGAA of Astec power adapter)
Horizontal: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	40	*	-	-
45	Horizontal	*	40	*	-	-
88	Horizontal	*	43.5	*	-	-
150	Horizontal	*	43.5	*	-	-
216	Horizontal	*	46	*	-	-
560	Horizontal	*	46	*	-	-
960	Horizontal	*	54	*	-	-
1000	Horizontal	*	54	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

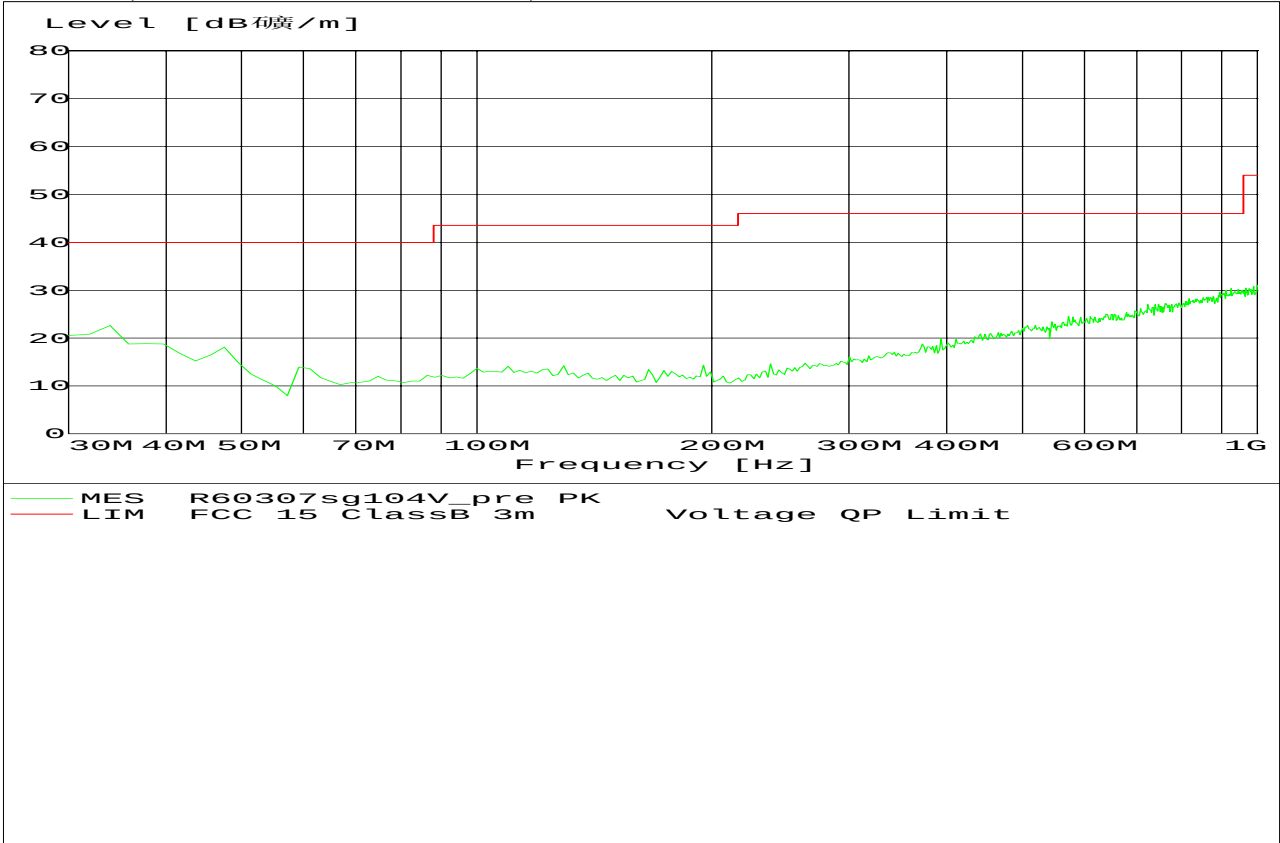
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Page 22 of 52

Vertical: (FCC Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	40	*	-	-
45	Vertical	*	40	*	-	-
88	Vertical	*	43.5	*	-	-
150	Vertical	*	43.5	*	-	-
216	Vertical	*	46	*	-	-
560	Vertical	*	46	*	-	-
960	Vertical	*	54	*	-	-
1000	Vertical	*	54	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

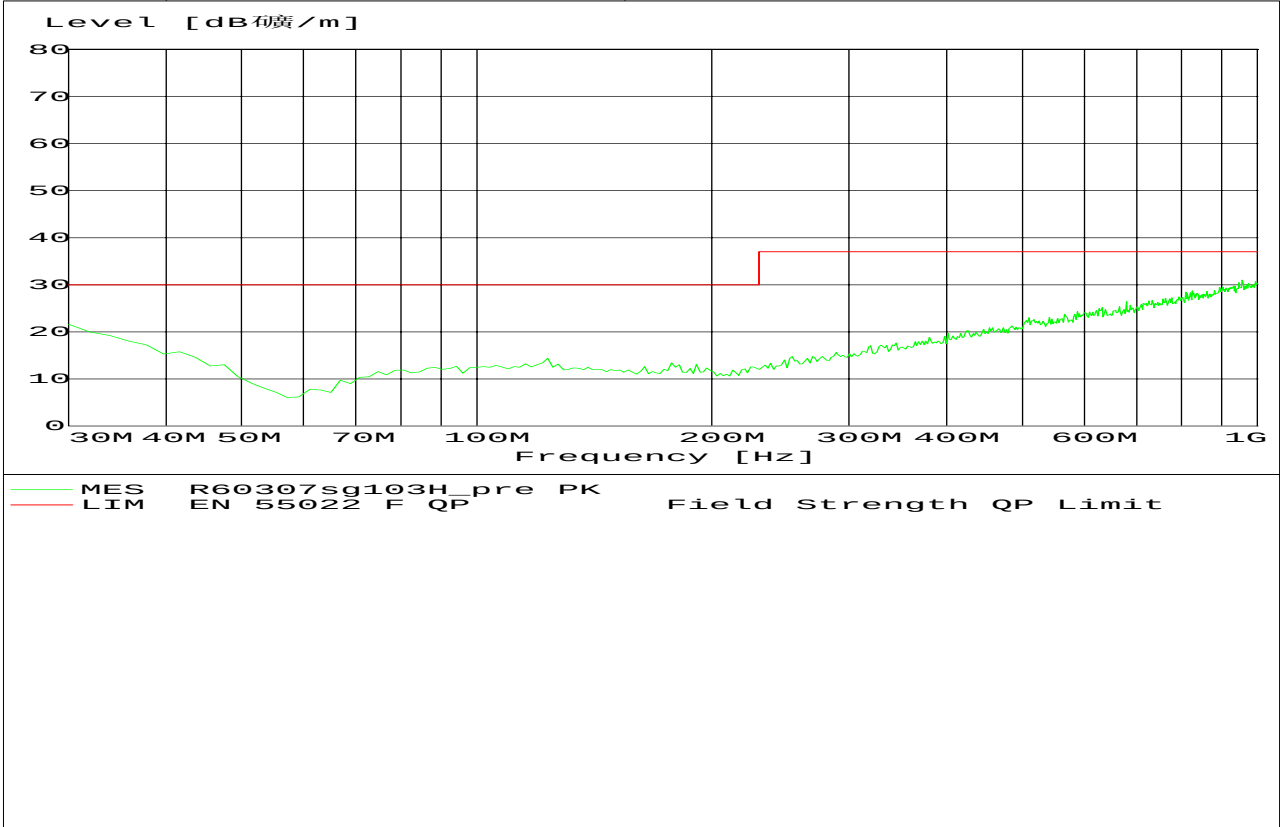
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Report No.: SHEMO060200119IT
Page 23 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AAAA of Astec power adapter)
Horizontal: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	30	*	-	-
45	Horizontal	*	30	*	-	-
88	Horizontal	*	30	*	-	-
150	Horizontal	*	30	*	-	-
216	Horizontal	*	30	*	-	-
560	Horizontal	*	37	*	-	-
960	Horizontal	*	37	*	-	-
1000	Horizontal	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

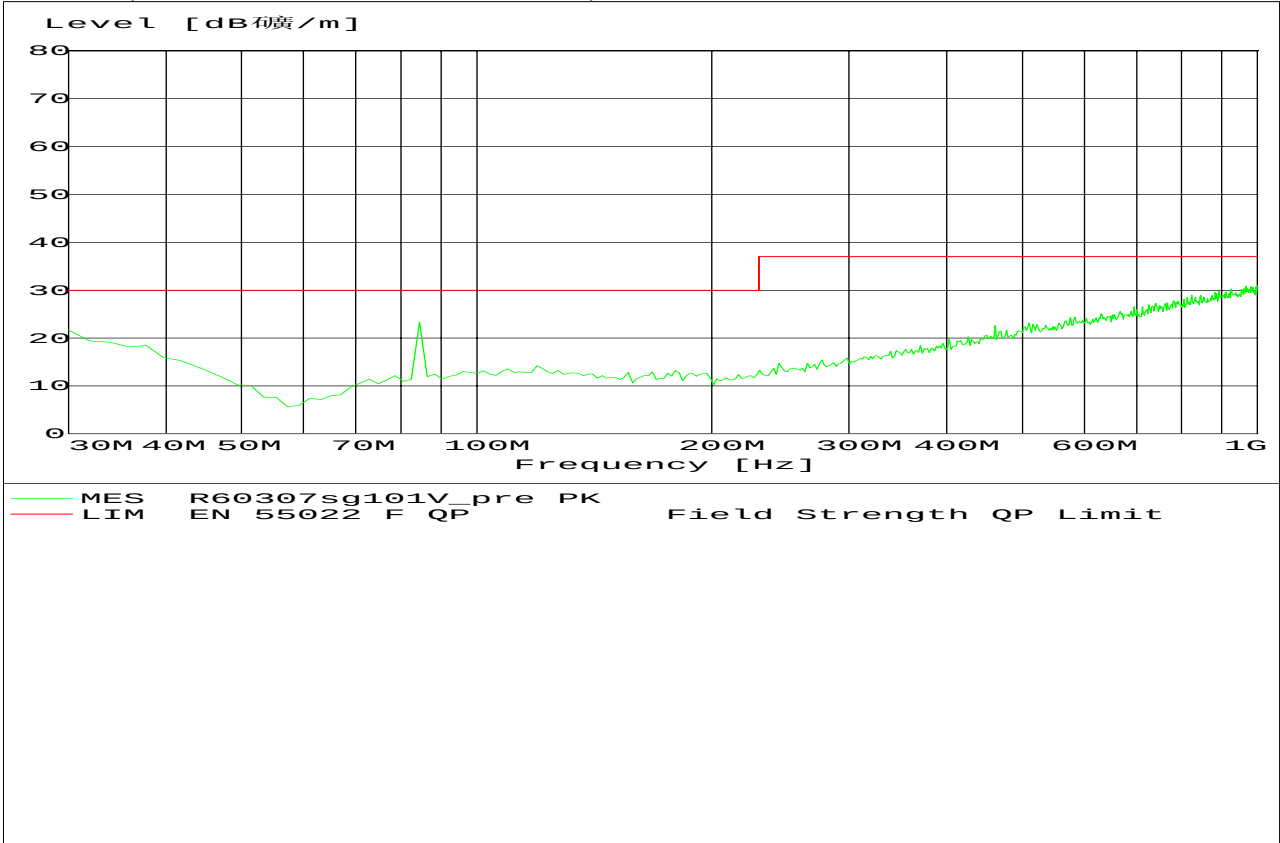
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Report No.: SHEMO060200119IT
Page 24 of 52

Vertical: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	30	*	-	-
45	Vertical	*	30	*	-	-
88	Vertical	*	30	*	-	-
150	Vertical	*	30	*	-	-
216	Vertical	*	30	*	-	-
560	Vertical	*	37	*	-	-
960	Vertical	*	37	*	-	-
1000	Vertical	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

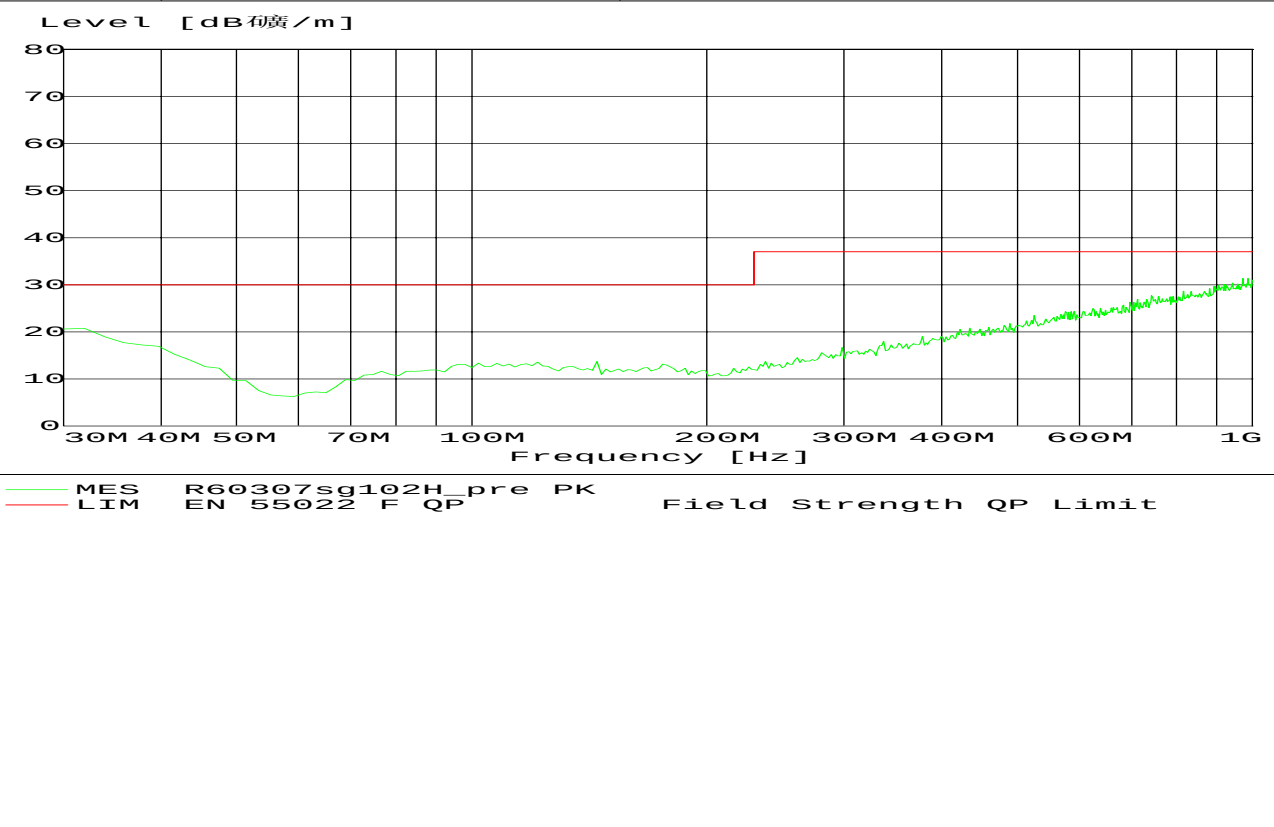
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Report No.: SHEMO060200119IT
Page 25 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AAAA of Leader power adapter)
Horizontal: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	30	*	-	-
45	Horizontal	*	30	*	-	-
88	Horizontal	*	30	*	-	-
150	Horizontal	*	30	*	-	-
216	Horizontal	*	30	*	-	-
560	Horizontal	*	37	*	-	-
960	Horizontal	*	37	*	-	-
1000	Horizontal	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

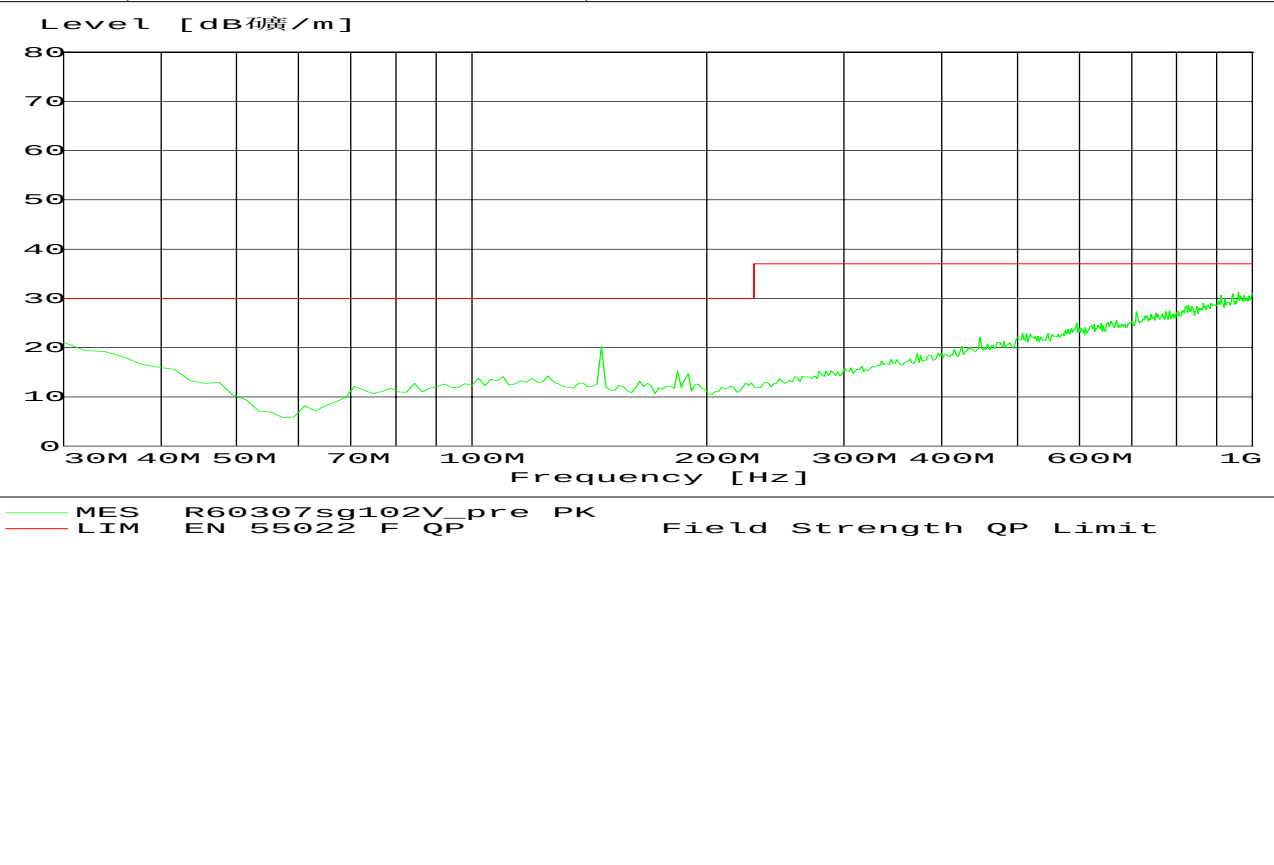
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Report No.: SHEMO060200119IT
Page 26 of 52

Vertical: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	30	*	-	-
45	Vertical	*	30	*	-	-
88	Vertical	*	30	*	-	-
150	Vertical	*	30	*	-	-
216	Vertical	*	30	*	-	-
560	Vertical	*	37	*	-	-
960	Vertical	*	37	*	-	-
1000	Vertical	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

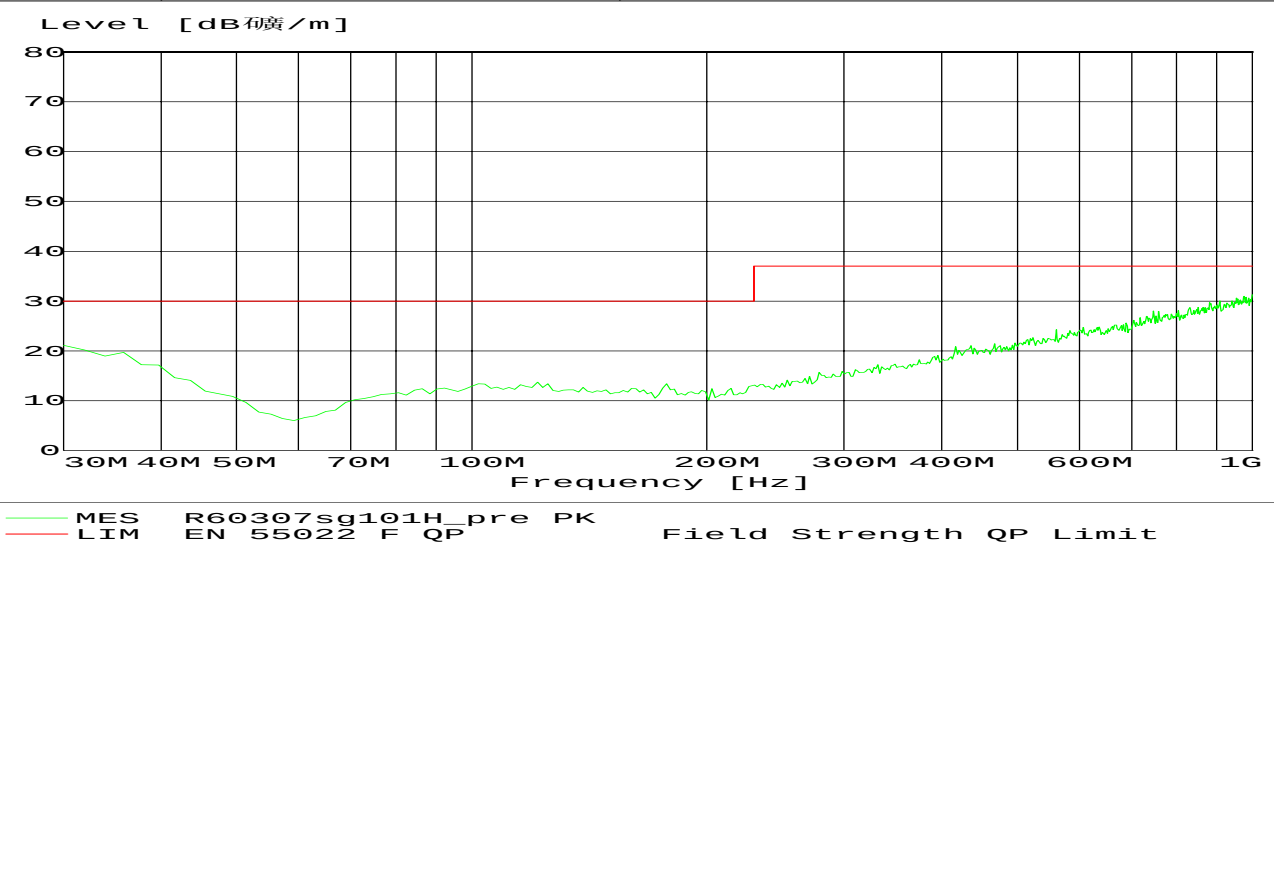
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Report No.: SHEMO060200119IT
Page 27 of 52

PCS 1900 connected: (test OT-C750a with 3DS07848AHAA of Leader power adapter)
Horizontal: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Horizontal	*	30	*	-	-
45	Horizontal	*	30	*	-	-
88	Horizontal	*	30	*	-	-
150	Horizontal	*	30	*	-	-
216	Horizontal	*	30	*	-	-
560	Horizontal	*	37	*	-	-
960	Horizontal	*	37	*	-	-
1000	Horizontal	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

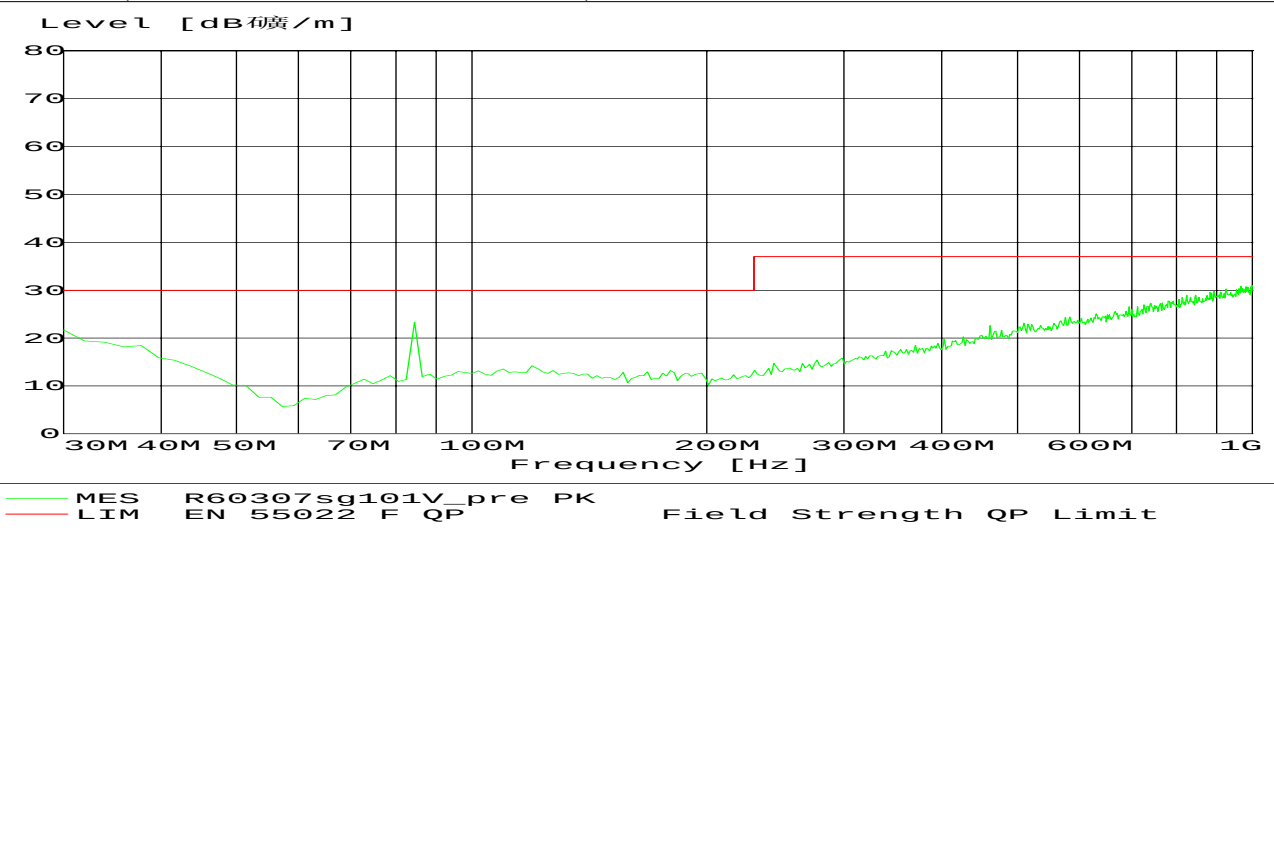
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Report No.: SHEMO060200119IT
Page 28 of 52

Vertical: (CISPR22 Limit: 30MHz-1000MHz)



Frequency (MHz)	Antenna Polarization	Receiver QP Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Turntable Angle (°)
30	Vertical	*	30	*	-	-
45	Vertical	*	30	*	-	-
88	Vertical	*	30	*	-	-
150	Vertical	*	30	*	-	-
216	Vertical	*	30	*	-	-
560	Vertical	*	37	*	-	-
960	Vertical	*	37	*	-	-
1000	Vertical	*	37	*		

1. All readings are Peak values.
2. “*” means the emission level is 6 dB below the relevant limit.

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Report No.: SHEMO060200119IT
Page 29 of 52

6.2 Conducted Emissions on AC

Test Requirement:	CFR 47 part 15
Test Method:	ANSI C63.4
Test Date:	23 February 2006
Frequency Range:	150kHz to 30MHz
Class:	N/A
Limit:	66 dB μ V - 56 dB μ V between 150kHz & 500kHz Quasi-peak 56 dB μ V between 0.5MHz & 5MHz Quasi-peak 60 dB μ V between 5MHz & 30MHz Quasi-peak

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0°C Humidity: 58% RH Atmospheric Pressure: 1012 mbar

EUT EUT had been tested with five power adapters(Astec: 3DS09371AGAA,

Operation: 3DS09371AAAA Leader: 3DS09371AGAA, 3DS09371AAAA, 3DS09371AHAA) , And EUT allocated channel mode Charging, GSM850, PCS 1900.

6.2.2 Test Result and Partial Measurement Data

Pass

An initial pre-scan was performed in the Shielding room using the receiver in peak detection mode. The EUT was measured for 2 orthogonal polarities and peak emissions from the EUT were detected within 6dB of the class B limit line.

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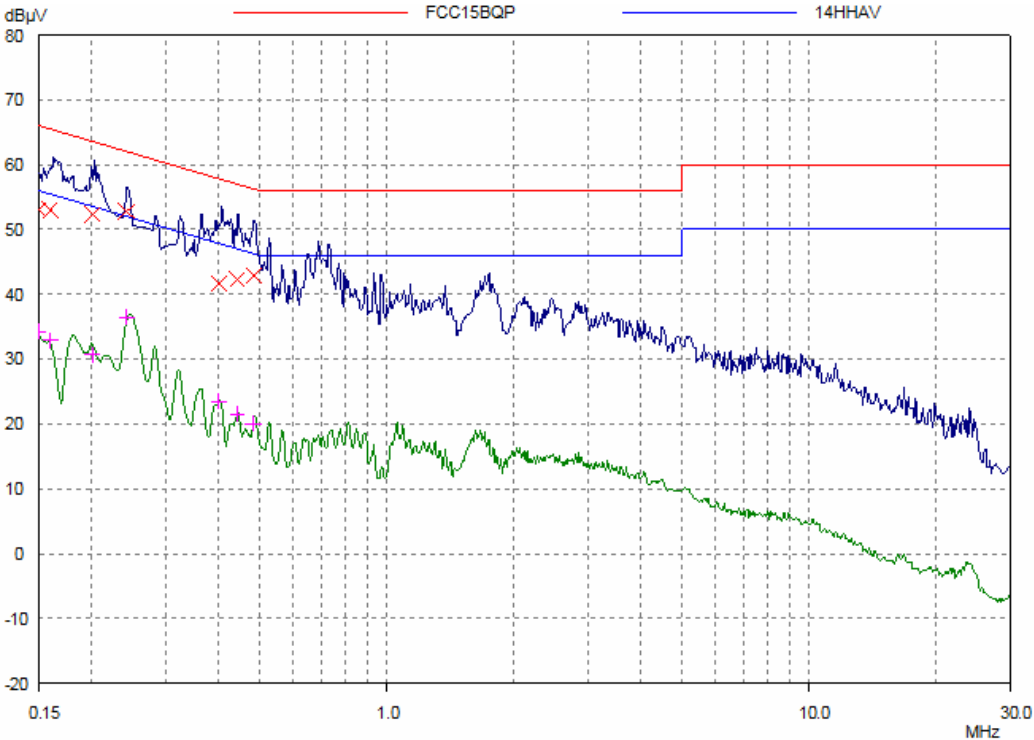
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Report No.: SHEMO060200119IT
Page 30 of 52

The following quasi-peak measurements were performed on the EUT on 23 February 2006
GSM 850 connected: (test OT-C750a with 3DS09371AAAA of Astec power adapter and
headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	53.07	66.00	12.93
0.15987	52.98	65.47	12.49
0.20143	52.34	63.55	11.21
0.24194	52.77	62.03	9.26
0.3997	41.65	57.86	16.21
0.44332	42.31	57.00	14.69
0.48393	42.91	56.27	13.36

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	34.21	56.00	21.79
0.15987	32.83	55.47	22.64
0.20143	30.67	53.55	22.88
0.24194	36.46	52.03	15.57
0.3997	23.53	47.86	24.33
0.44332	21.46	47.00	25.54
0.48393	19.98	46.27	26.29

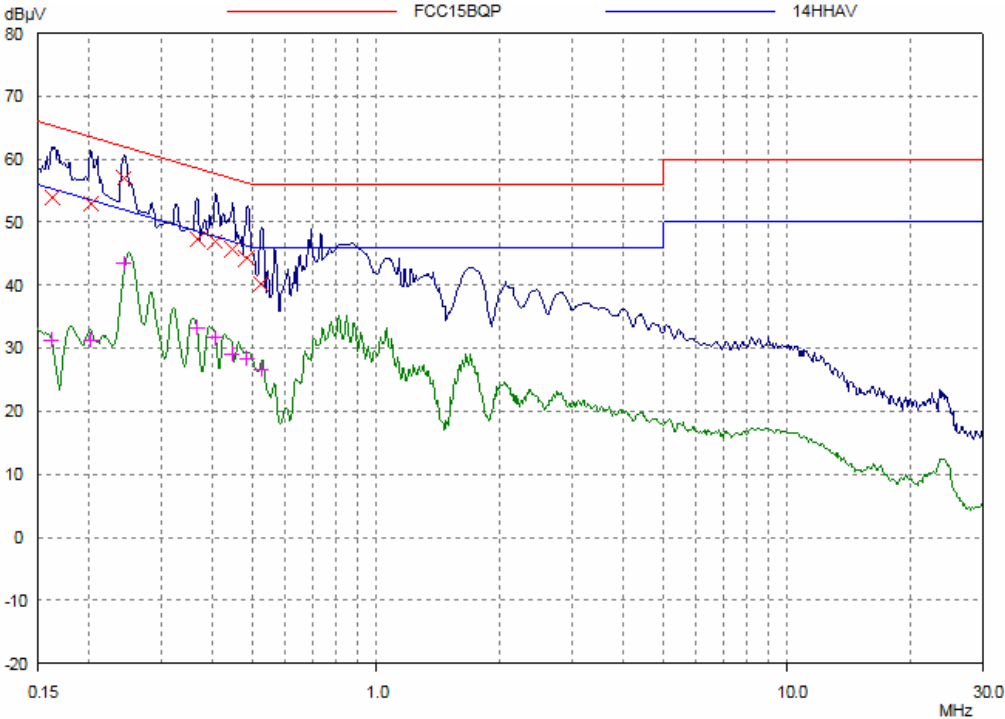
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Report No.: SHEMO060200119IT
Page 31 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.16244	53.87	65.34	11.47
0.20143	52.96	63.55	10.59
0.24388	57.00	61.96	4.96
0.36615	47.24	58.59	11.35
0.40612	46.89	57.73	10.84
0.44687	45.65	56.93	11.28
0.48393	44.27	56.27	12.00
0.52407	40.09	56.00	15.91

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.16244	31.29	55.34	24.05
0.20143	31.38	53.55	22.17
0.24388	43.48	51.96	8.48
0.36615	33.29	48.59	15.30
0.40612	31.62	47.73	16.11
0.44687	29.06	46.93	17.87
0.48393	28.31	46.27	17.96
0.52407	26.63	46.00	19.37

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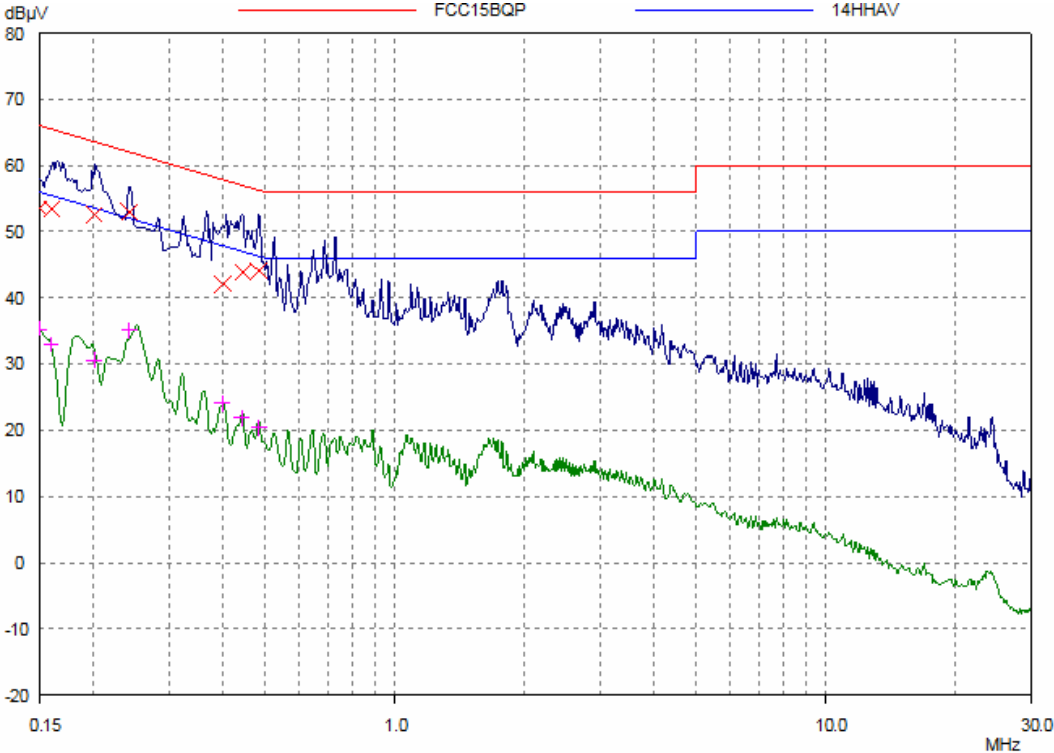
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Report No.: SHEMO060200119IT
Page 32 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AAAA of Astec power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	53.59	66.00	12.41
0.15987	53.36	65.47	12.11
0.20143	52.54	63.55	11.01
0.24194	52.99	62.03	9.04
0.3997	42.05	57.86	15.81
0.44332	43.87	57.00	13.13
0.48393	44.02	56.27	12.25

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	35.30	56.00	20.70
0.15987	32.96	55.47	22.51
0.20143	30.50	53.55	23.05
0.24194	35.08	52.03	16.95
0.3997	24.08	47.86	23.78
0.44332	21.91	47.00	25.09
0.48393	20.39	46.27	25.88

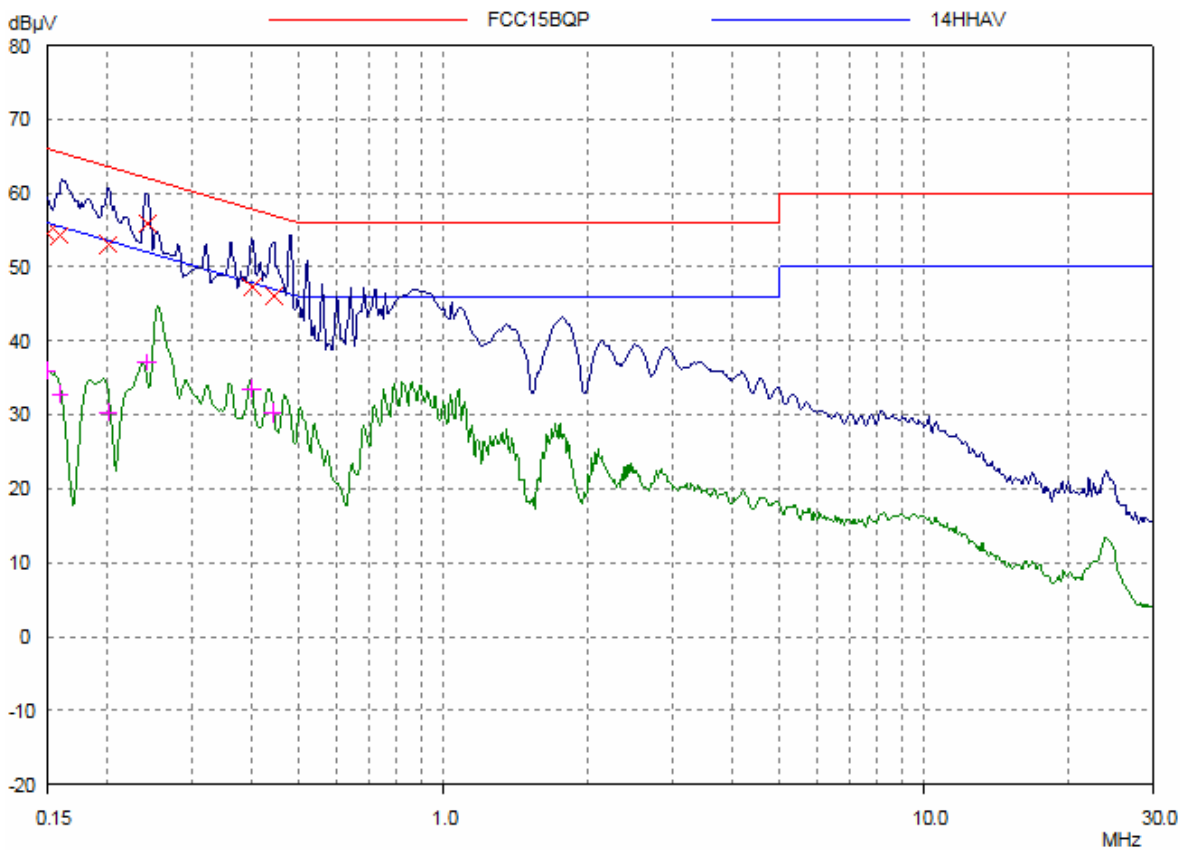
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Report No.: SHEMA060200119IT
Page 33 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	54.46	66.00	11.54
0.15987	54.29	65.47	11.18
0.20143	53.04	63.55	10.51
0.24194	55.87	62.03	6.16
0.3997	47.21	57.86	10.65
0.44332	46.05	57.00	10.95

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	35.82	56.00	20.18
0.15987	32.77	55.47	22.70
0.20143	30.33	53.55	23.22
0.24194	37.12	52.03	14.91
0.3997	33.44	47.86	14.42
0.44332	30.23	47.00	16.77

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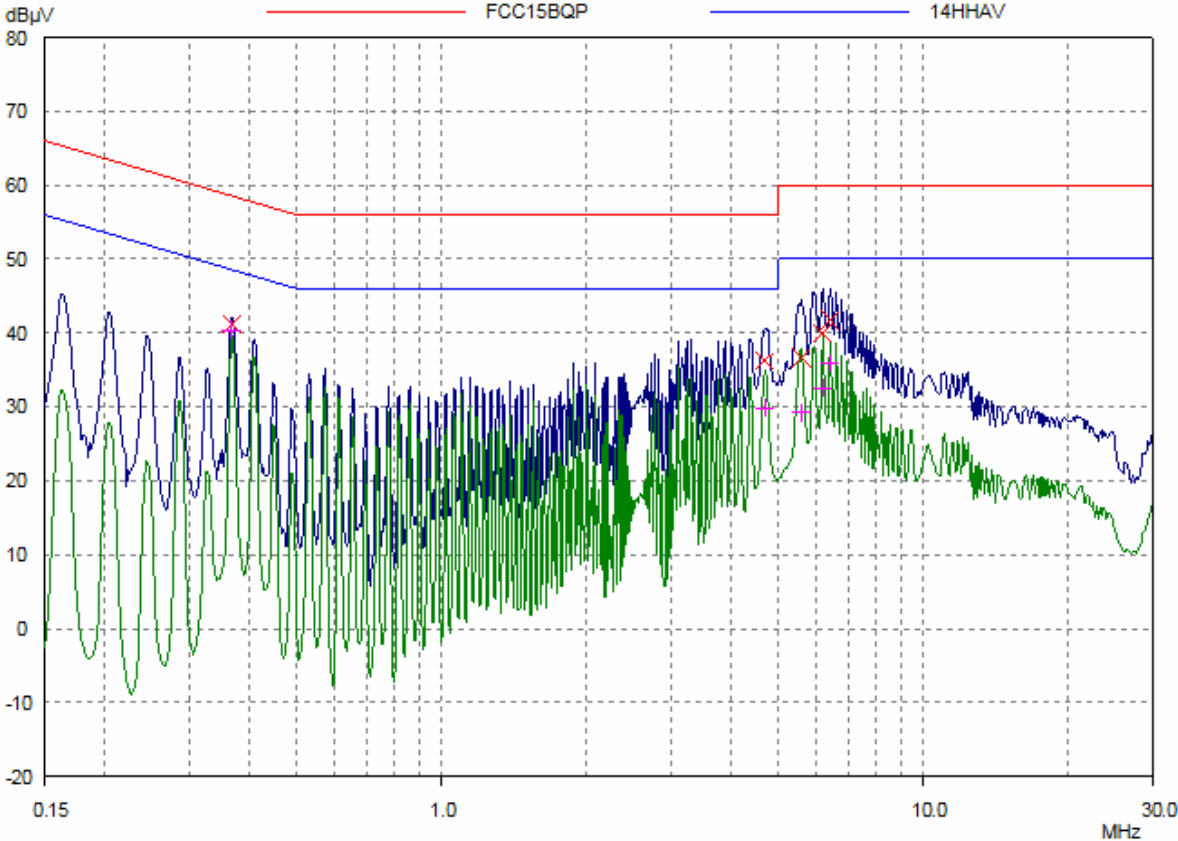
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Report No.: SHEMA0060200119IT
Page 34 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AAAA of Leader power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.36615	41.17	58.59	17.42
4.68857	36.21	56.00	19.79
5.58692	36.69	60.00	23.31
6.19668	39.96	60.00	20.04
6.39737	41.69	60.00	18.31

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.36615	40.30	48.59	8.29
4.68857	29.84	46.00	16.16
5.58692	29.12	50.00	20.88
6.19668	32.51	50.00	17.49
6.39737	35.84	50.00	14.16

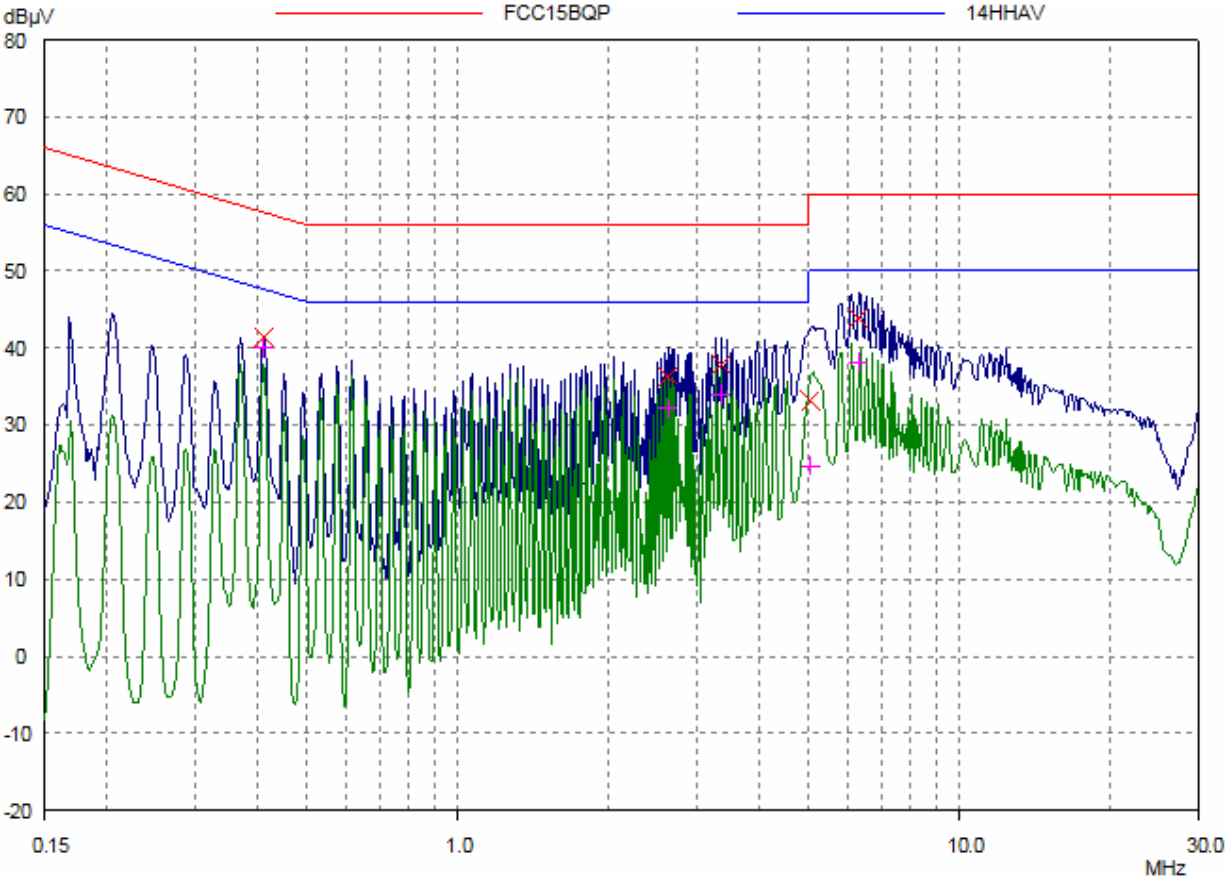
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Report No.: SHEMA0060200119IT
Page 35 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.40937	41.38	57.66	16.28
2.62073	36.34	56.00	19.66
3.35504	37.83	56.00	18.17
5.03716	33.13	60.00	26.87
6.29623	43.86	60.00	16.14

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.40937	39.96	47.66	7.70
2.62073	32.15	46.00	13.85
3.35504	33.95	46.00	12.05
5.03716	24.67	50.00	25.33
6.29623	38.10	50.00	11.90

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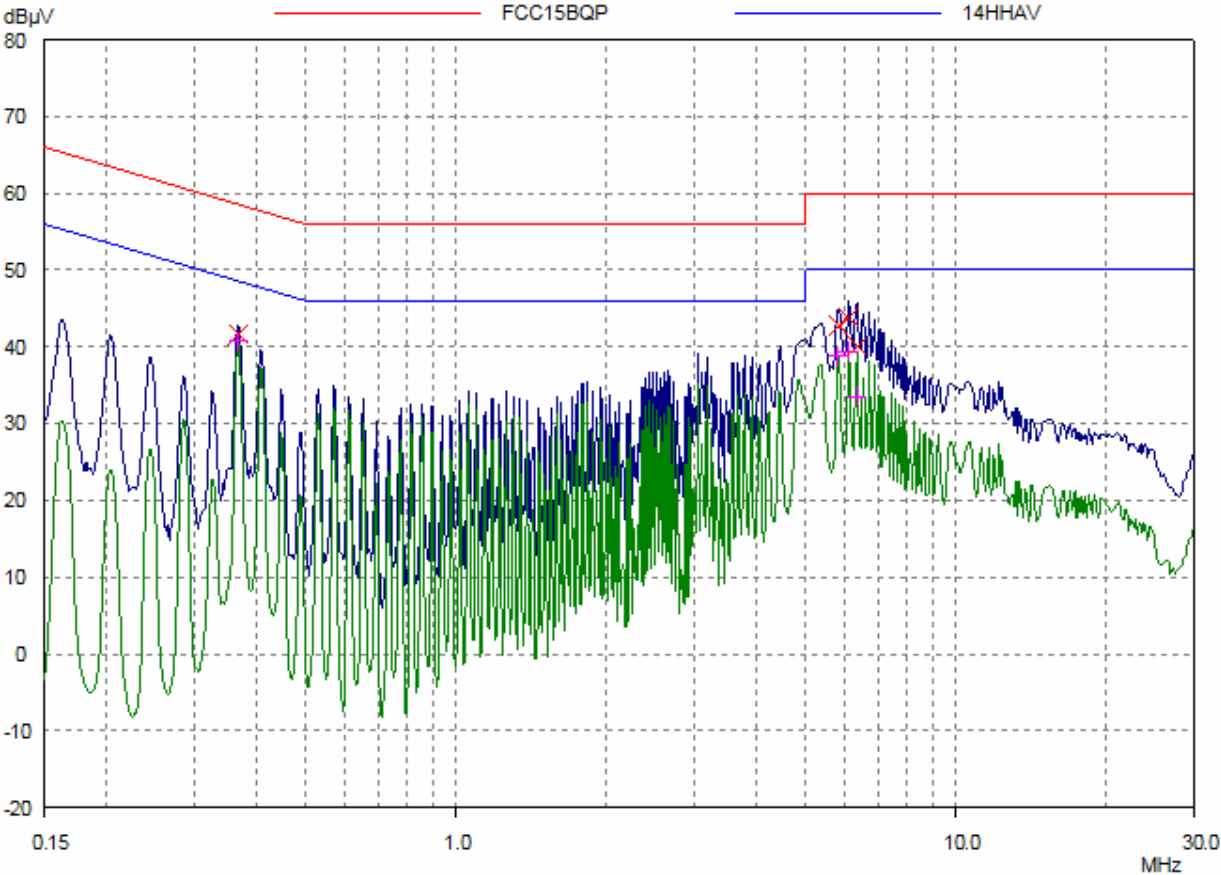
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Report No.: SHEMA0060200119IT
Page 36 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371 AAAA of Leader power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.36615	41.54	58.59	17.05
5.814	42.74	60.00	17.26
6.09871	43.74	60.00	16.26
6.3466	40.07	60.00	19.93

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.36615	40.72	48.59	7.87
5.814	38.67	50.00	11.33
6.09871	39.28	50.00	10.72
6.3466	33.56	50.00	16.44

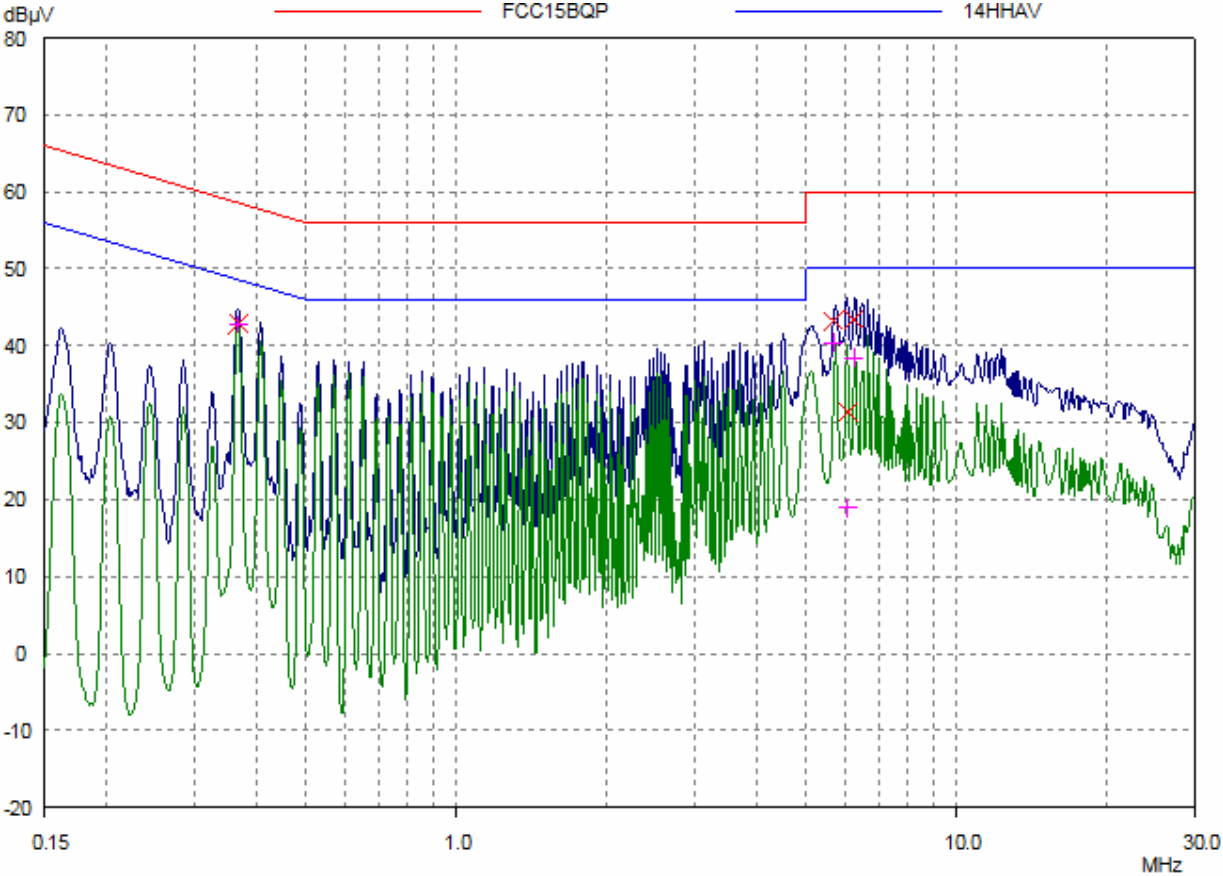
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Report No.: SHEMA0060200119IT
Page 37 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.36615	42.80	58.59	15.79
5.67667	43.13	60.00	16.87
6.05031	31.31	60.00	28.69
6.24626	43.39	60.00	16.61

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.36615	42.74	48.59	5.85
5.67667	40.25	50.00	9.75
6.05031	18.86	50.00	31.14
6.24626	38.40	50.00	11.60

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Technical Services Co., Ltd.

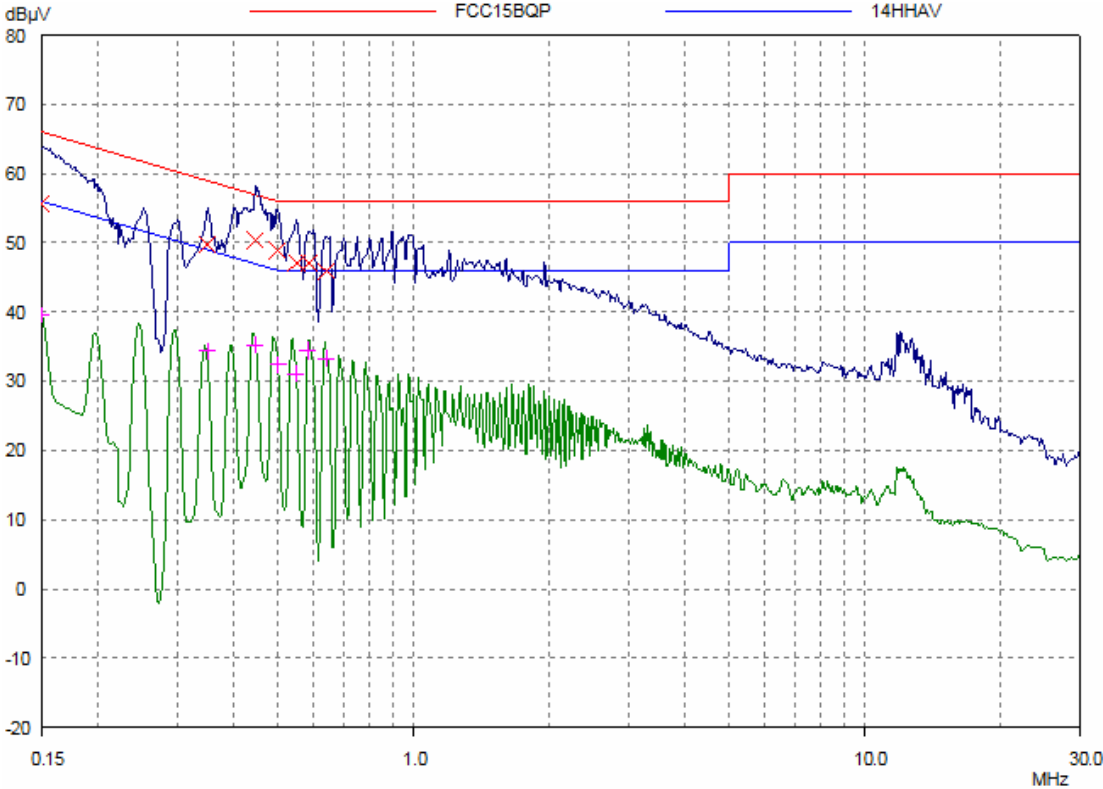
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Report No.: SHEMO060200119IT
Page 38 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AGAA of Astec power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	55.62	66.00	10.38
0.34906	49.79	58.98	9.19
0.44687	50.34	56.93	6.59
0.49961	48.85	56.01	7.16
0.54974	47.07	56.00	8.93
0.58592	46.97	56.00	9.03
0.63959	45.88	56.00	10.12

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	39.48	56.00	16.52
0.34906	34.35	48.98	14.63
0.44687	35.18	46.93	11.75
0.49961	32.36	46.01	13.65
0.54974	30.96	46.00	15.04
0.58592	34.39	46.00	11.61
0.63959	33.16	46.00	12.84

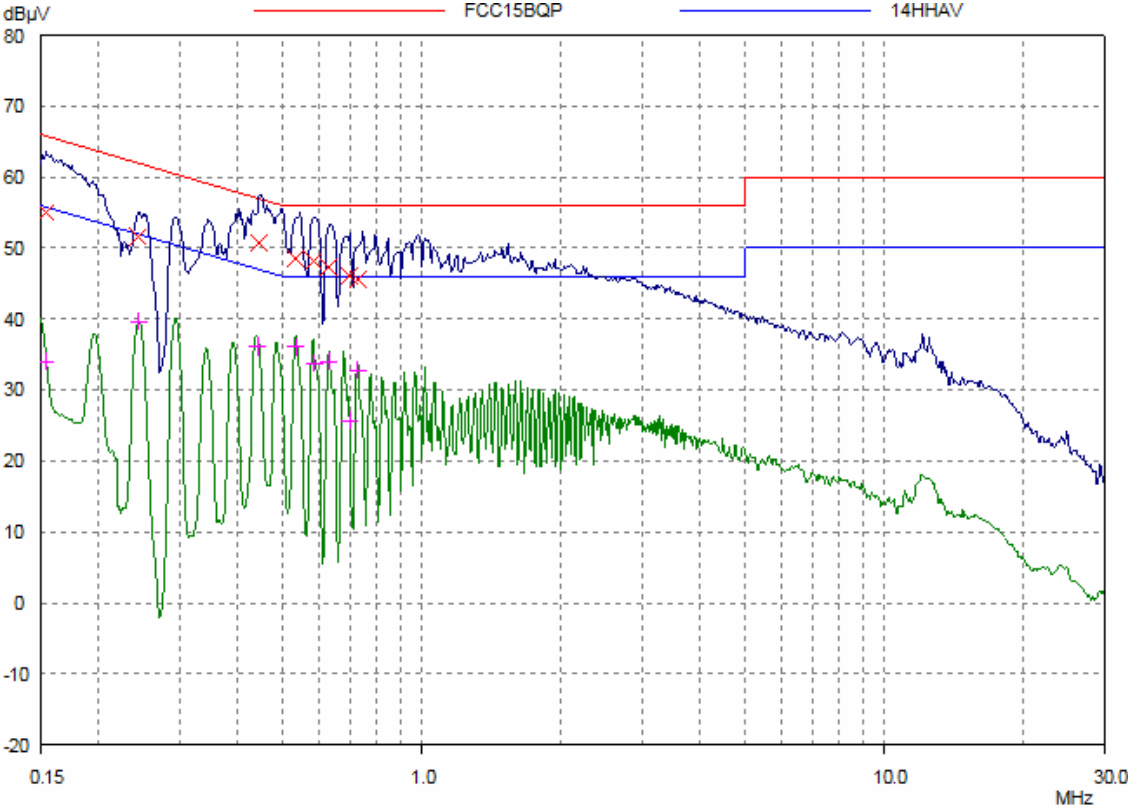
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Report No.: SHEMA060200119IT
Page 39 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15362	54.96	65.80	10.84
0.24388	51.62	61.96	10.34
0.44332	50.74	57.00	6.26
0.53249	48.49	56.00	7.51
0.58592	48.15	56.00	7.85
0.62948	47.26	56.00	8.74
0.69819	45.99	56.00	10.01
0.72656	45.50	56.00	10.50

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15362	33.87	55.80	21.93
0.24388	39.68	51.96	12.28
0.44332	36.12	47.00	10.88
0.53249	36.07	46.00	9.93
0.58592	33.78	46.00	12.22
0.62948	34.00	46.00	12.00
0.69819	25.68	46.00	20.32
0.72656	32.70	46.00	13.30

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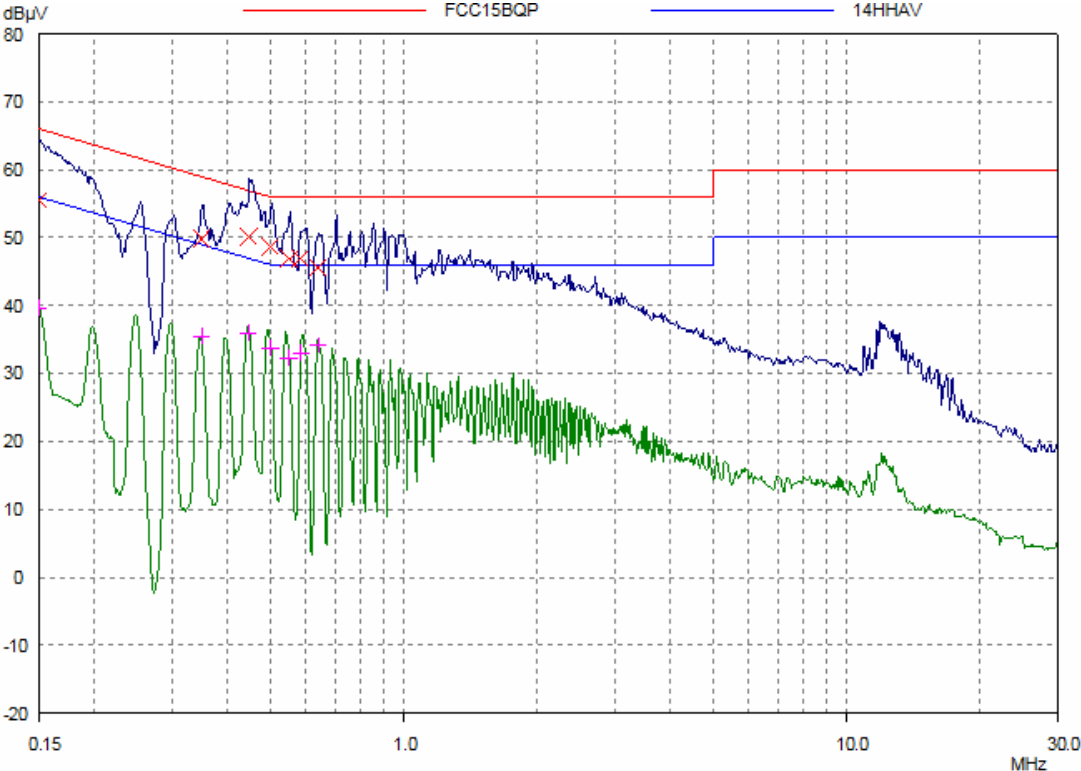
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Report No.: SHEMA060200119IT
Page 40 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AGAA of Astec power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	55.52	66.00	10.48
0.34906	49.85	58.98	9.13
0.44687	50.16	56.93	6.77
0.49961	48.61	56.01	7.40
0.54974	46.85	56.00	9.15
0.58592	46.93	56.00	9.07
0.63959	45.54	56.00	10.46

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	39.66	56.00	16.34
0.34906	35.47	48.98	13.51
0.44687	35.89	46.93	11.04
0.49961	33.62	46.01	12.39
0.54974	32.15	46.00	13.85
0.58592	32.99	46.00	13.01
0.63959	34.11	46.00	11.89

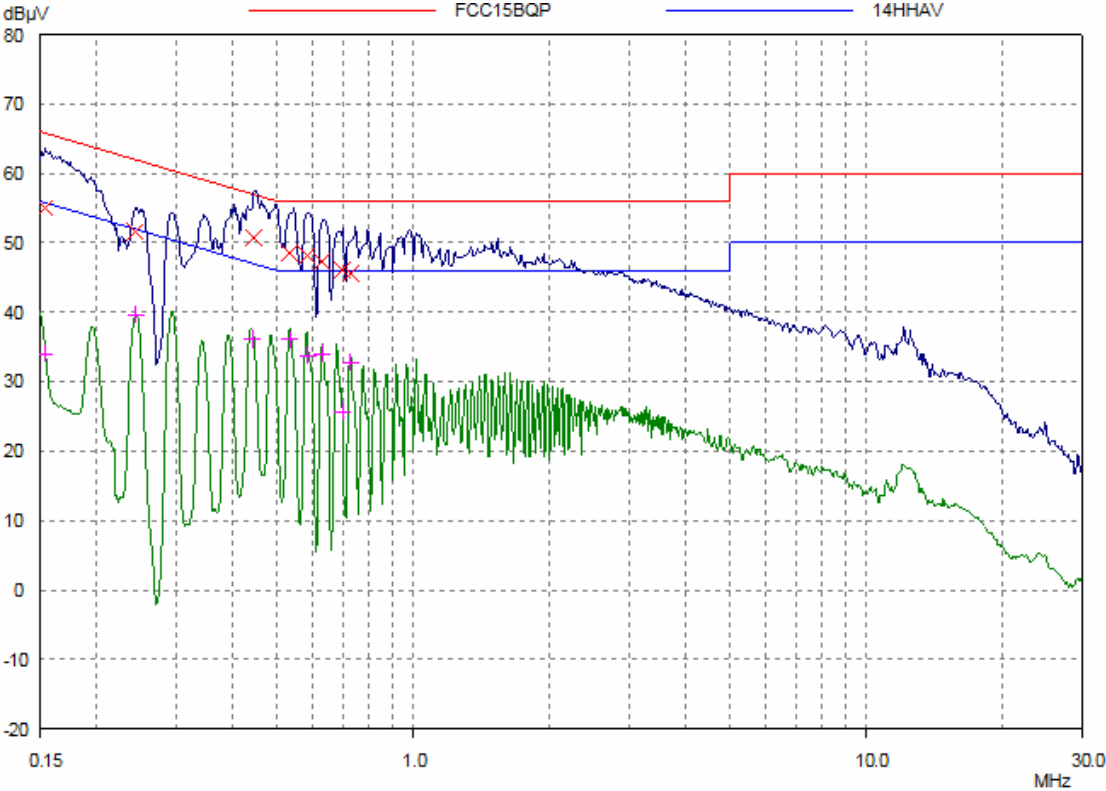
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Report No.: SHEMA060200119IT
Page 41 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15362	54.96	65.80	10.84
0.24388	51.62	61.96	10.34
0.44332	50.74	57.00	6.26
0.53249	48.49	56.00	7.51
0.58592	48.15	56.00	7.85
0.62948	47.26	56.00	8.74
0.69819	45.99	56.00	10.01
0.72656	45.50	56.00	10.50

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15362	33.87	55.80	21.93
0.24388	39.68	51.96	12.28
0.44332	36.12	47.00	10.88
0.53249	36.07	46.00	9.93
0.58592	33.78	46.00	12.22
0.62948	34.00	46.00	12.00
0.69819	25.68	46.00	20.32
0.72656	32.70	46.00	13.30

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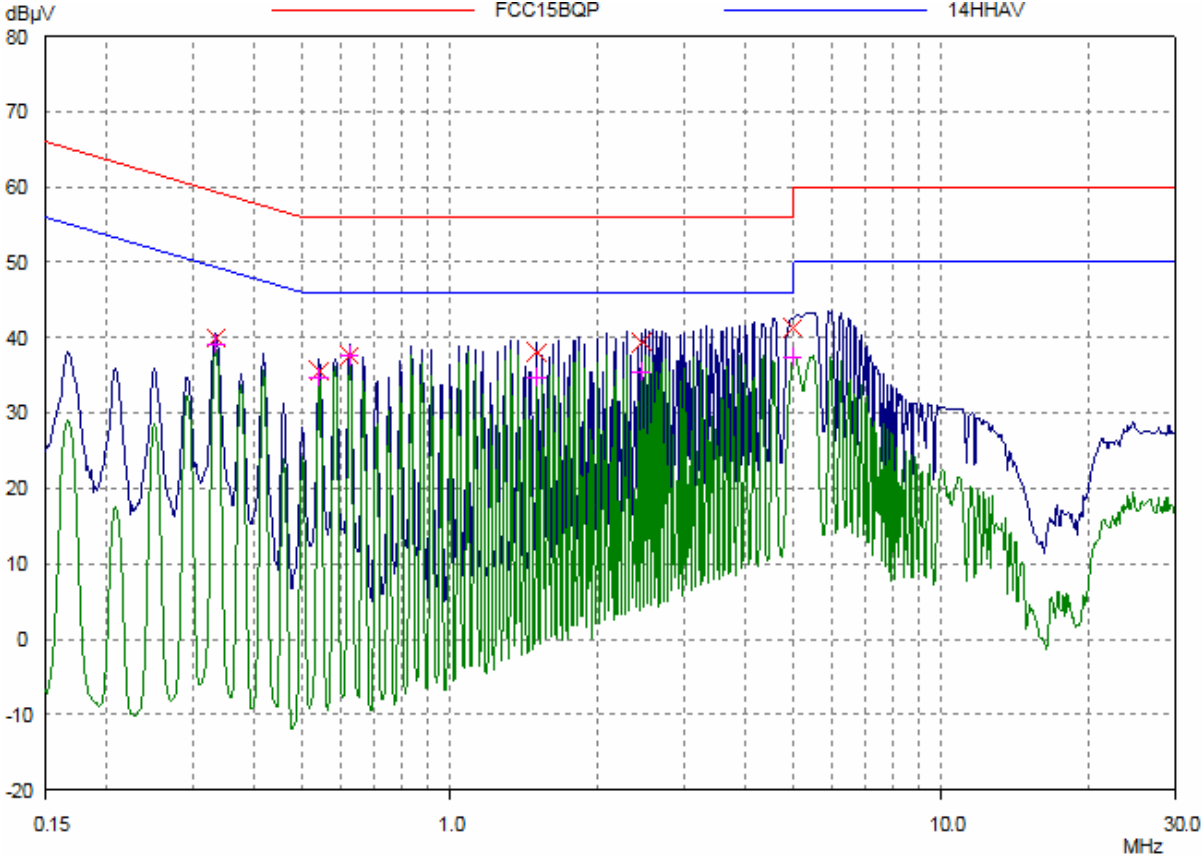
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Report No.: SHEMA0060200119IT
Page 42 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AGAA of Leader power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.33277	39.90	59.38	19.48
0.54104	35.57	56.00	20.43
0.62449	37.57	56.00	18.43
1.50032	38.02	56.00	17.98
2.45888	39.38	56.00	16.62
4.99718	41.24	56.00	14.76

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.33277	39.22	49.38	10.16
0.54104	34.67	46.00	11.33
0.62449	37.53	46.00	8.47
1.50032	34.68	46.00	11.32
2.45888	35.42	46.00	10.58
4.99718	37.39	46.00	8.61

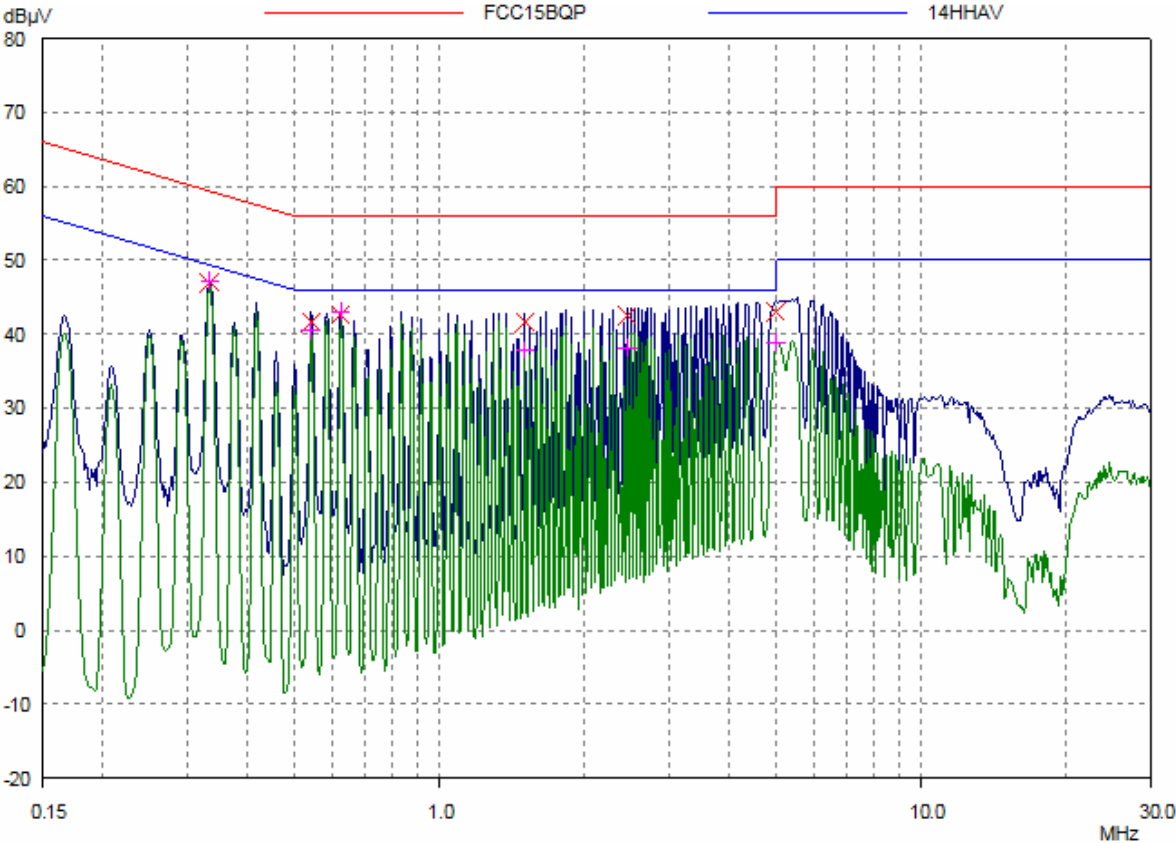
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Report No.: SHEMO060200119IT
Page 43 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.33277	46.96	59.38	12.42
0.54104	41.61	56.00	14.39
0.62449	42.63	56.00	13.37
1.50032	41.62	56.00	14.38
2.45888	42.50	56.00	13.50
4.99718	43.03	56.00	12.97

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.33277	47.28	49.38	2.10
0.54104	40.48	46.00	5.52
0.62449	43.07	46.00	2.93
1.50032	37.80	46.00	8.20
2.45888	38.15	46.00	7.85
4.99718	38.80	46.00	7.20

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Technical Services Co., Ltd.

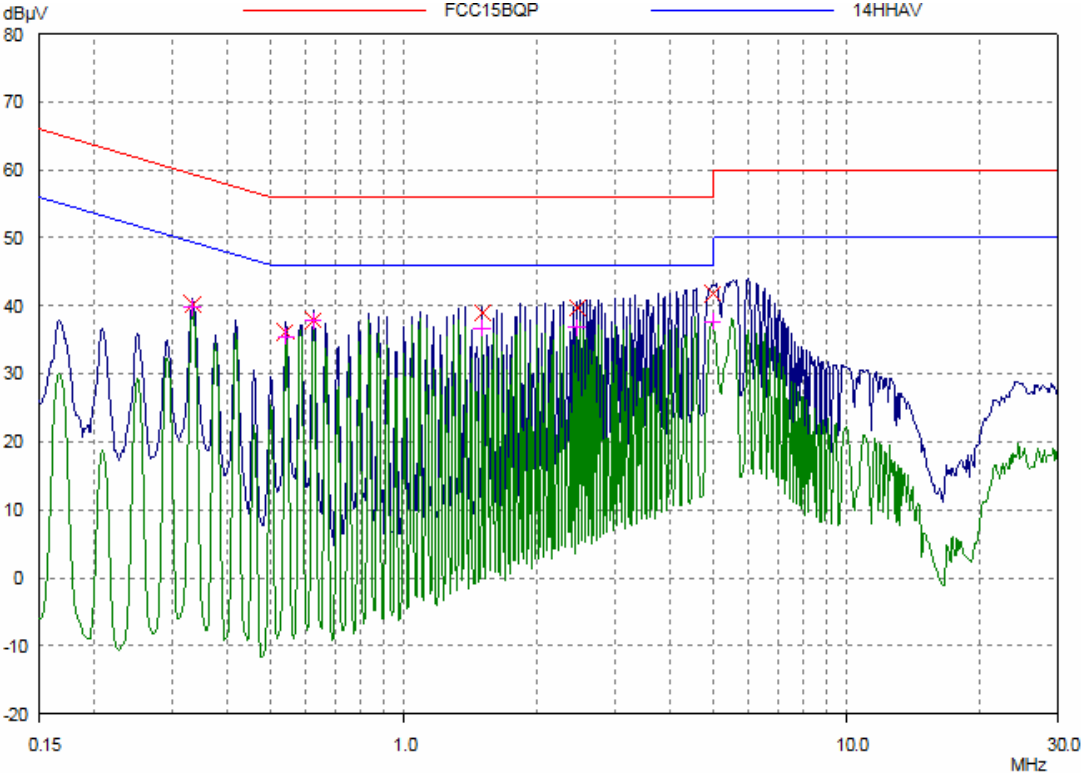
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Report No.: SHEMO060200119IT
Page 44 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AGAA of Leader power adapter and headset)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.33277	40.20	59.38	19.18
0.54104	36.17	56.00	19.83
0.62449	37.78	56.00	18.22
1.50032	38.93	56.00	17.07
2.45888	39.69	56.00	16.31
4.99718	41.77	56.00	14.23

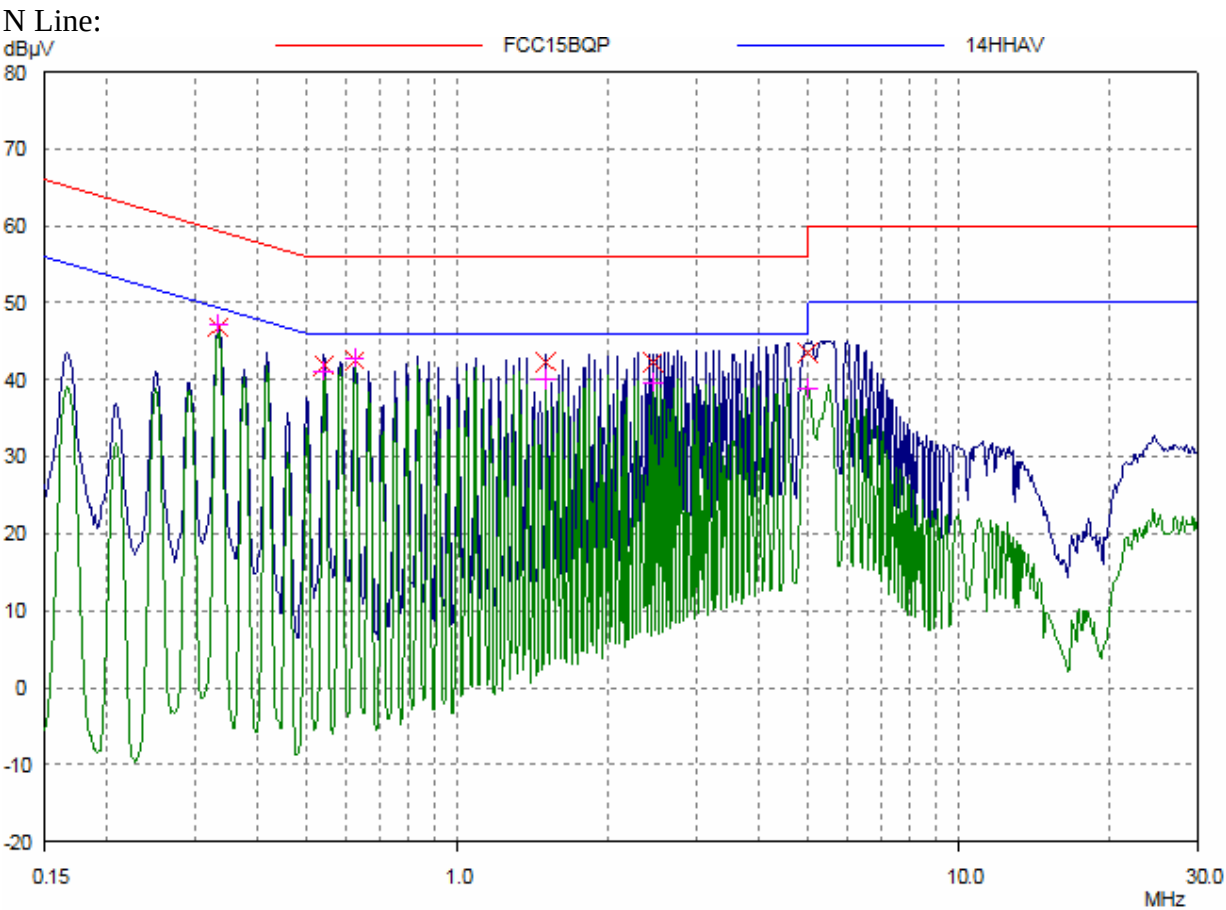
Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.33277	39.70	49.38	9.68
0.54104	35.47	46.00	10.53
0.62449	37.75	46.00	8.25
1.50032	36.63	46.00	9.37
2.45888	36.79	46.00	9.21
4.99718	37.61	46.00	8.39

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Report No.: SHEMA060200119IT
Page 45 of 52



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.33277	46.80	59.38	12.58
0.54104	41.85	56.00	14.15
0.62449	42.47	56.00	13.53
1.50032	42.25	56.00	13.75
2.45888	42.28	56.00	13.72
4.99718	43.41	56.00	12.59

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.33277	47.28	49.38	2.10
0.54104	41.05	46.00	4.95
0.62449	42.74	46.00	3.26
1.50032	40.05	46.00	5.95
2.45888	39.52	46.00	6.48
4.99718	38.88	46.00	7.12

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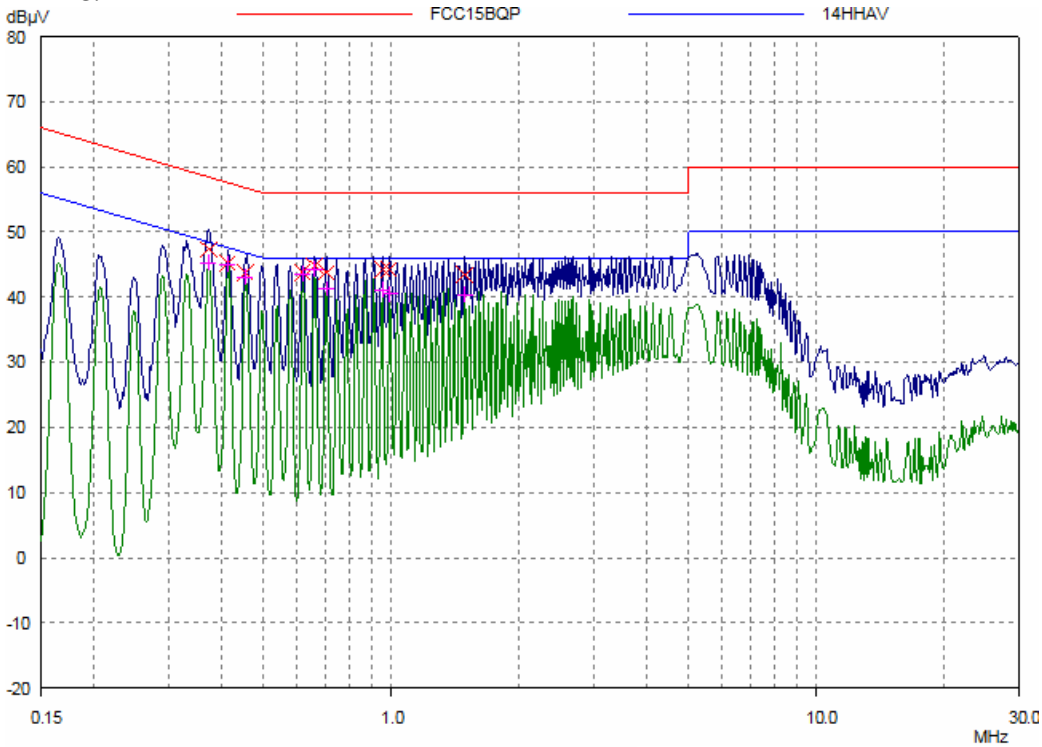
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,
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Page 46 of 52

GSM 850 connected: (test OT-C750a with 3DS09371AHAA of Leader power adapter and headset)

L Line:



Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.37204	47.29	58.46	11.17
0.41264	45.16	57.59	12.43
0.45405	43.80	56.80	13.00
0.61953	43.81	56.00	12.19
0.66031	44.78	56.00	11.22
0.70377	43.77	56.00	12.23
0.95265	44.14	56.00	11.86
0.99137	44.18	56.00	11.82
1.48841	43.43	56.00	12.57

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.37204	45.14	48.46	3.32
0.41264	44.97	47.59	2.62
0.45405	43.04	46.80	3.76
0.61953	43.47	46.00	2.53
0.66031	44.27	46.00	1.73
0.70377	41.26	46.00	4.74
0.95265	41.01	46.00	4.99
0.99137	40.44	46.00	5.56
1.48841	40.33	46.00	5.67

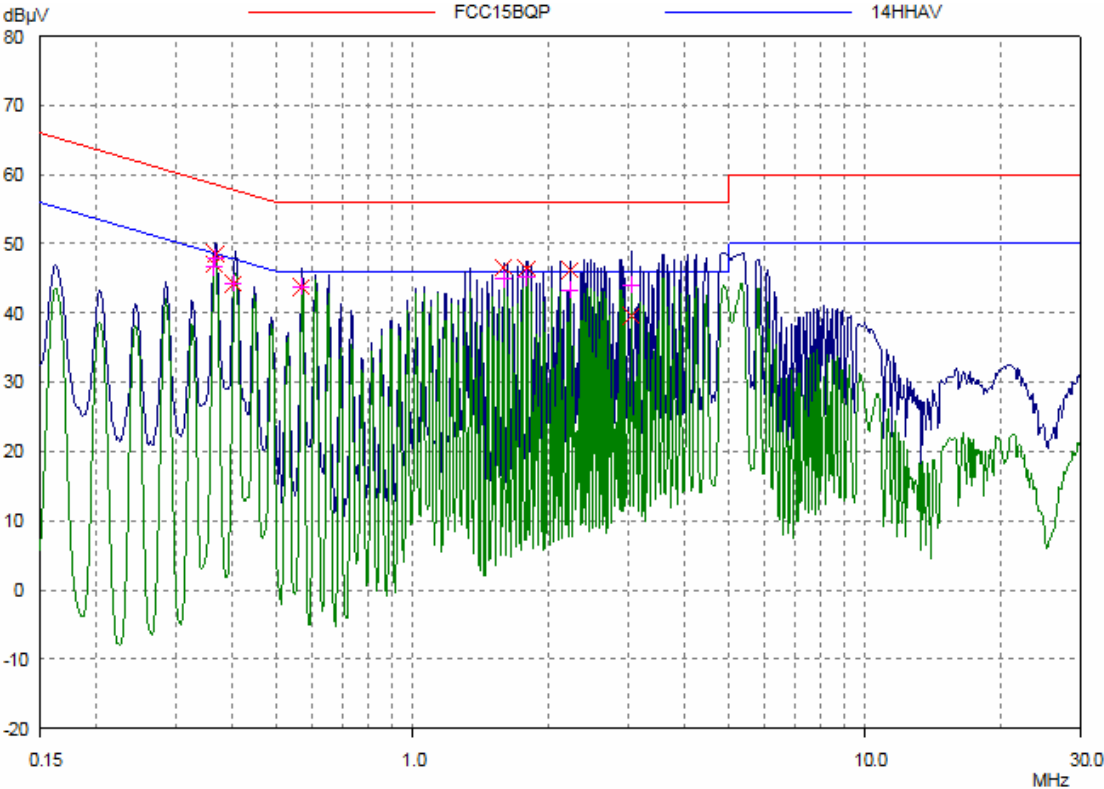
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Report No.: SHEMO060200119IT
Page 47 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.36325	47.06	58.65	11.59
0.36615	48.60	58.59	9.99
0.40289	44.17	57.79	13.62
0.56754	43.72	56.00	12.28
1.58638	46.61	56.00	9.39
1.78779	46.40	56.00	9.60
2.23466	46.18	56.00	9.82
3.0491	39.56	56.00	16.44

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.36325	46.56	48.65	2.09
0.36615	47.98	48.59	0.61
0.40289	44.32	47.79	3.47
0.56754	43.78	46.00	2.22
1.58638	44.83	46.00	1.17
1.78779	45.18	46.00	0.82
2.23466	43.27	46.00	2.73
3.0491	44.05	46.00	1.95

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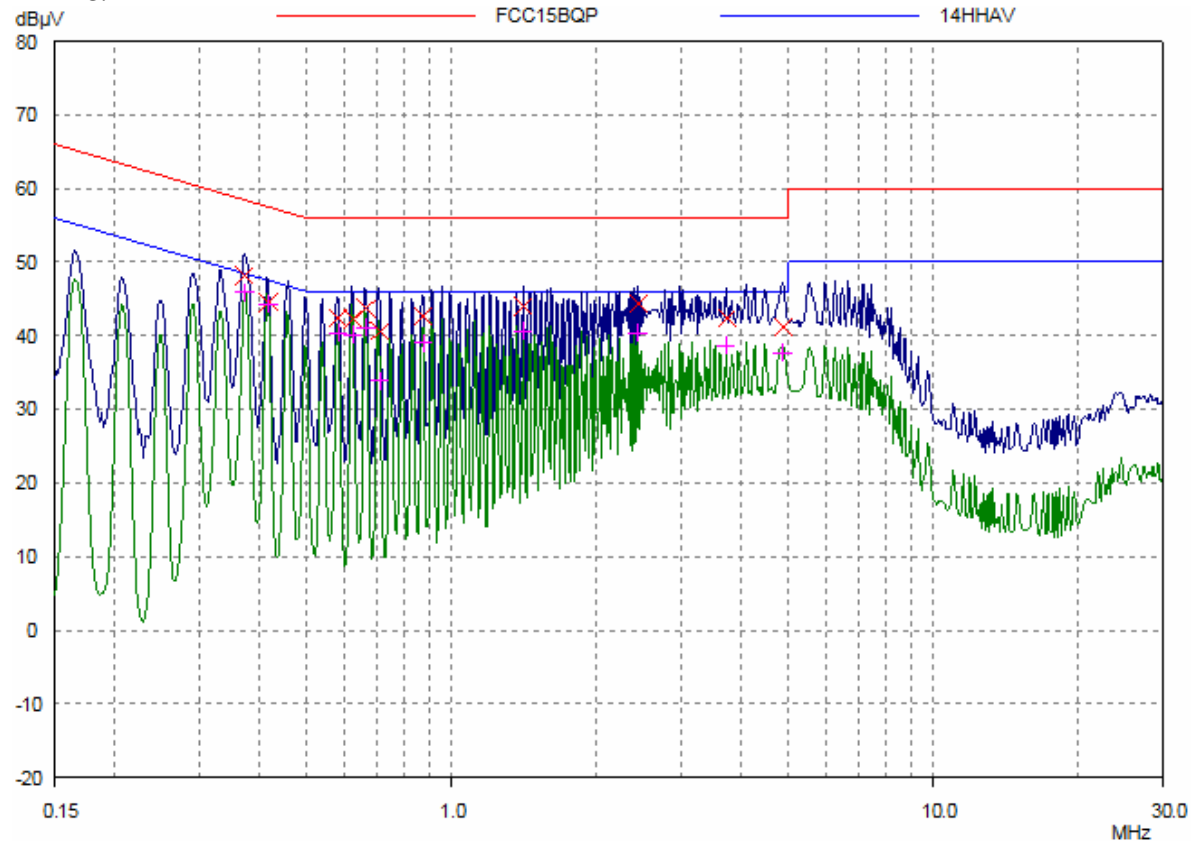
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Page 48 of 52

PCS 1900 connected: (test OT-C750a with 3DS09371AHAA of Leader power adapter and headset)

L Line:



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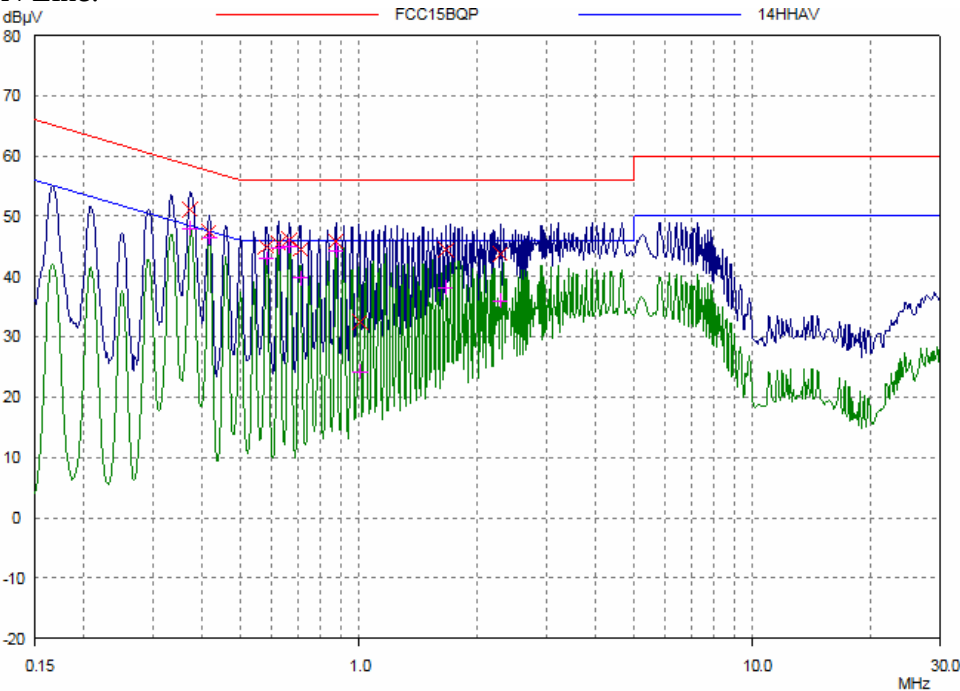
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Report No.: SHEMO060200119IT
Page 49 of 52

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.37204	48.09	58.46	10.37
0.41594	44.58	57.53	12.95
0.58127	42.40	56.00	13.60
0.62449	42.27	56.00	13.73
0.66559	43.70	56.00	12.30
0.7094	40.52	56.00	15.48
0.8727	42.59	56.00	13.41
1.40766	43.92	56.00	12.08
2.43936	44.33	56.00	11.67
3.72122	42.37	56.00	13.63
4.87914	41.18	56.00	14.82

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.37204	45.81	48.46	2.65
0.41594	44.14	47.53	3.39
0.58127	40.36	46.00	5.64
0.62449	40.12	46.00	5.88
0.66559	41.07	46.00	4.93
0.7094	33.86	46.00	12.14
0.8727	38.93	46.00	7.07
1.40766	40.48	46.00	5.52
2.43936	40.32	46.00	5.68
3.72122	38.60	46.00	7.40
4.87914	37.61	46.00	8.39

N Line:



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Report No.: SHEMO060200119IT
Page 50 of 52

Final Measurement Results

Frequency MHz	QP Level dB μ V	QP Limit dB μ V	QP Delta dB
0.37204	51.17	58.46	7.29
0.41594	47.39	57.53	10.14
0.58127	44.92	56.00	11.08
0.62449	45.50	56.00	10.50
0.66559	46.14	56.00	9.86
0.7094	44.46	56.00	11.54
0.8727	45.82	56.00	10.18
1.00729	32.44	56.00	23.56
1.66407	44.39	56.00	11.61
2.28872	43.71	56.00	12.29

Frequency MHz	AV Level dB μ V	AV Limit dB μ V	AV Delta dB
0.37204	47.82	48.46	0.64
0.41594	46.34	47.53	1.19
0.58127	43.00	46.00	3.00
0.62449	44.62	46.00	1.38
0.66559	44.95	46.00	1.05
0.7094	39.76	46.00	6.24
0.8727	44.21	46.00	1.79
1.00729	24.17	46.00	21.83
1.66407	38.05	46.00	7.95
2.28872	35.90	46.00	10.10

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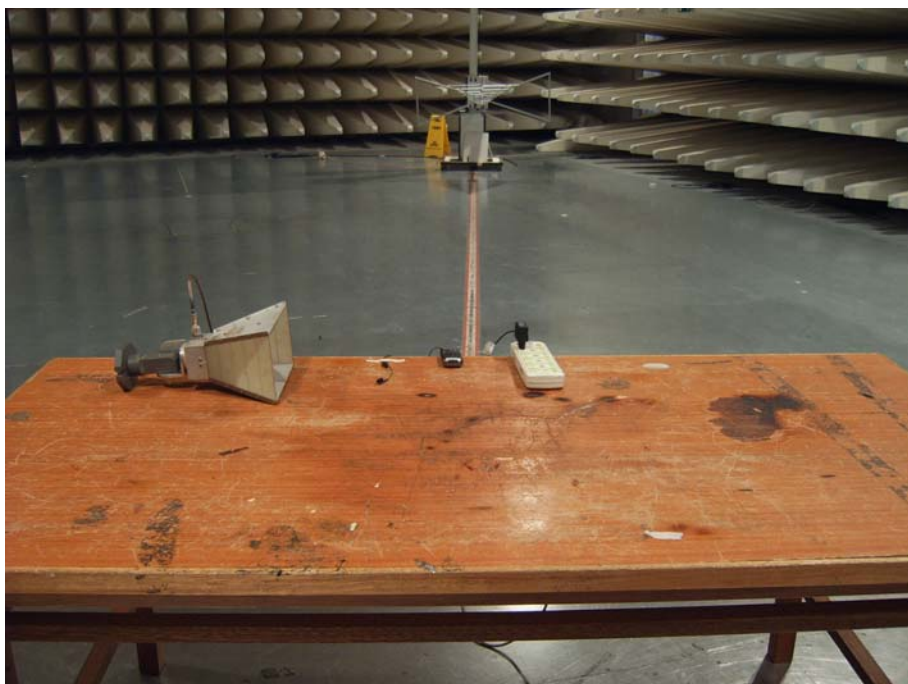
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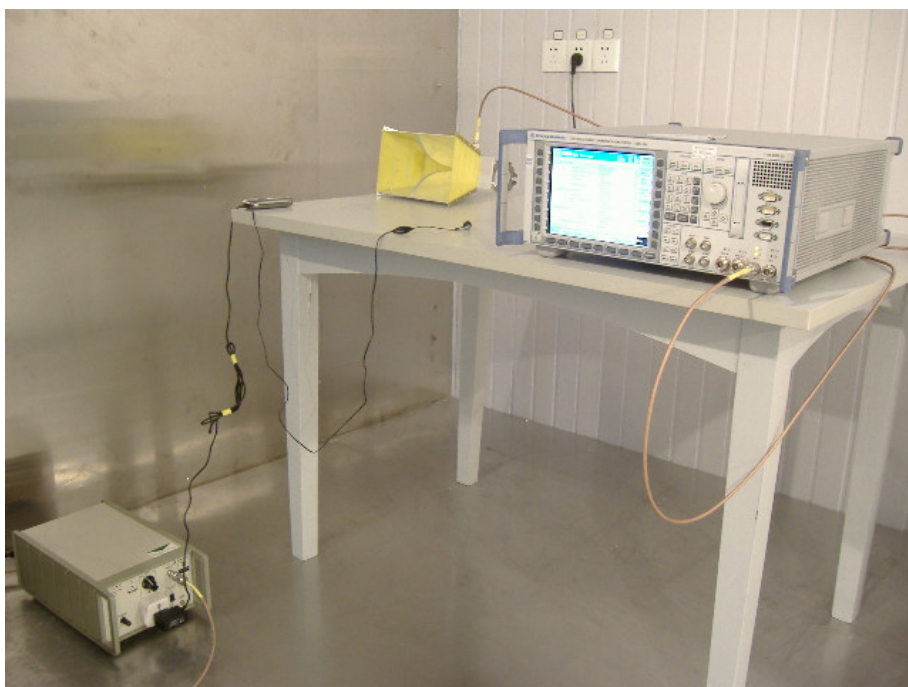
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Page 51 of 52

7 Photographs

7.1 Radiated Emission Test Setup



7.2 Conducted Emission Constructional Details



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Report No.: SHEMO060200119IT
Page 52 of 52

7.3 EUT Constructional Details



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