



MOBILE DEVICES BUSINESS

**PRODUCT SAFETY AND COMPLIANCE
EMC LABORATORY**

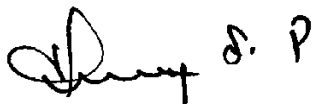
EMC TEST REPORT

Test Report Number – 20974-1

Report Date – August 27, 2007

The test results contained herein relate only to the model(s) identified. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics.

As the responsible EMC Engineer, I hereby declare that the equipment tested as specified in this report conforms to the requirements indicated.

Signature: 

Name: Thanigaiselvan Palaniswami

Title: EMC Engineer

Date: August 27, 2007

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Test Report Details

Tests Performed By: Motorola Mobile Devices Business (MDb)
Product Safety and Compliance Group
600 North US Hwy 45
Libertyville, IL 60048
PH (847) 523-6167 Fax (847) 523-4538
Motorola MDb FRN: 0004321311
FCC Registration Number: 316588
Industry Canada Number: IC3908-1

Tests Requested By: Motorola Inc.
Mobile Devices Business
600 North US Hwy 45
Libertyville, IL 60048

Product Type: Cellular Phone

Signaling Capability: GSM 850, GSM1900, EDGE, Bluetooth

FCC ID: IHDT56HE1

Serial Numbers: 355564010000210, 355564010000202,
355564010000194, 355564010000111

Testing Complete Date: August 23, 2007

Applicable Standards

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

 X Part 15 Subpart B – Unintentional Radiators
 X Part 22 Subpart H - Public Mobile Services
 X Part 24 Subpart E – Personal Communications Services

Applicable Standards: ANSI/TIA-603-C-2004, ANSI 63.4 2003,

Summary of Testing

Test #	Test Name	Pass/Fail
1	RF Power Output	NA
2	ERP (Effective Radiated Power)	Pass
3	EIRP (Effective Isotropic Radiated Power)	Pass
4	Occupied Bandwidth	Pass
5	Spurious Emissions at Antenna Terminal	Pass
6	Field Strength of Spurious Emissions	Pass
7	Frequency Stability	Pass
8	Field Strength of Spurious Emissions from Unintentional Radiators	Pass
9	AC Line Conducted Emissions	Pass

Test #	Test Name	Margin with respect to the Limit
1	RF Power Output	NA
2	ERP (Effective Radiated Power)	See results
3	EIRP (Effective Isotropic Radiated Power)	See results
3	Occupied Bandwidth	See Plots
4	Spurious Emissions at Antenna Terminal	See results
5	Field Strength of Spurious Emissions	See results
6	Frequency Stability	See results
7	Field Strength of Spurious Emissions from Unintentional Radiators	Below noise floor
8	AC Line Conducted Emissions	See Plots

The margin with respect to the limit is the minimum margin for all modes and bands.

General and Special Conditions

The EUT was tested using a fully charged battery when applicable. Where a battery could not be used due to the need for a controlled variation of input voltage, an external power supply was utilized.

All testing was done in an indoor controlled environment with an average temperature of 22° C and relative humidity of 50%.

Equipment and Cable Configurations

The EUT was tested in a stand-alone configuration that is representative of typical use.

Manufacturer	Equipment Type	Model No.	Serial Number	Calibration Due Date
Rohde Schwarz	Receiver	ESI26	838786/010	3/19/2008
Rohde Schwarz	Receiver	ESI26	100001	5/02/2008
Hewlett Packard	EMC Analyzer	E7405	US39440191	1/24/2008
Hewlett Packard	Signal Generator	83623B	3844A00935	3/18/2008
ETS	Horn Antenna	3115	6222	3/21/2008
A.H. Systems	DRG Horn Antenna	SAS 200/571	365	5/24/2008
ETS	Log-Periodic Antenna	3148	1189	9/12/2007
ETS	Biconical Antenna	3110B	3369	9/12/2007
Attenuator	Weinschel	AS-6	6675	1/31/2008
Attenuator	Weinschel	AS-6	6677	6/21/2008
Thermotron	Environmental Chamber	S-4	31580	1/29/2008
Agilent	Power Meter	E4416A	GB41293263	12/27/2008
Agilent	Power Sensor	E4412B	MY44420342	12/28/2007
ETS	LISN	3810/2NM	62907	5/02/2008
ETS	LISN	3810/2NM	62912	5/02/2008

Note that the Agilent power meter on a two-year calibration cycle. All other equipment is on a one-year calibration cycle.

Measurement Procedures and Data**RF POWER OUTPUT****Measurement Procedure**

The RF output port of the equipment under test is directly coupled to the input of an Agilent power meter through a 20dB passive attenuator, adaptor (if needed), and specialized RF connector. The peak power output is measured for all channels.

CFR47 Part 2.1046

Measurement Results**GSM 850**

Frequency (MHz)	Power (dBm)
824.2	32.71
836.6	32.78
848.8	32.64

EDGE 850

Frequency (MHz)	Power (dBm)
824.2	28.08
836.6	28.10
848.8	28.06

GSM 1900

Frequency (MHz)	Power (dBm)
1850.2	29.87
1880.0	29.85
1909.8	29.92

EDGE 1900

Frequency (MHz)	Power (dBm)
1850.2	26.99
1880.0	26.96
1909.8	27.04

RADIATED POWER (EIRP AND ERP)

Measurement Procedure

The phone was tested in a 16' anechoic chamber with a 2-axis position system that permits taking complete spherical scans of the EUT's radiation patterns. For all tests, the phone was supported in a free space type environment, vertically oriented in the chamber.

All measurements were made with the phone placed in a call using a mobile station test set. The phone was weakly coupled to the test set and configured to transmit in full data rate mode. Radiated power was measured at each 15 degree step. The radiated power was measured using Spectrum Analyzers. From these measurements, the software calculates the angle at which maximum radiated power occurs for each case, and the radiated power at this angle was extracted from the data. To get ERP (effective radiated power referenced to a half-wave dipole), subtract 2.1 dB from these numbers.

Measurement Results

BAND/TECHNOLOGY	MAXIMUM EIRP(dBm)	MAXIMUM ERP (dBm)
850 GSM	31.63	29.53
1900 GSM	32.32	30.22
850 EDGE	25.43	23.33
1900 EDGE	28.56	26.46

The ERP and EIRP value reported is the maximum value of different configurations tested.

For all measurement, calibration was performed via gain substitution with a half-wave dipole.

OCCUPIED BANDWIDTH

Measurement Procedure

The RF output port of the equipment under test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. The amplitude of the spectrum analyzer is corrected for the attenuator and any other applicable losses. The analyzer is set for Peak Detector and each trace is set for Max Hold. A fully charged battery was used for the supply voltage.

The middle channel within the designated frequency block was measured. For digital modulation, the lower and upper band edge plots are displayed.

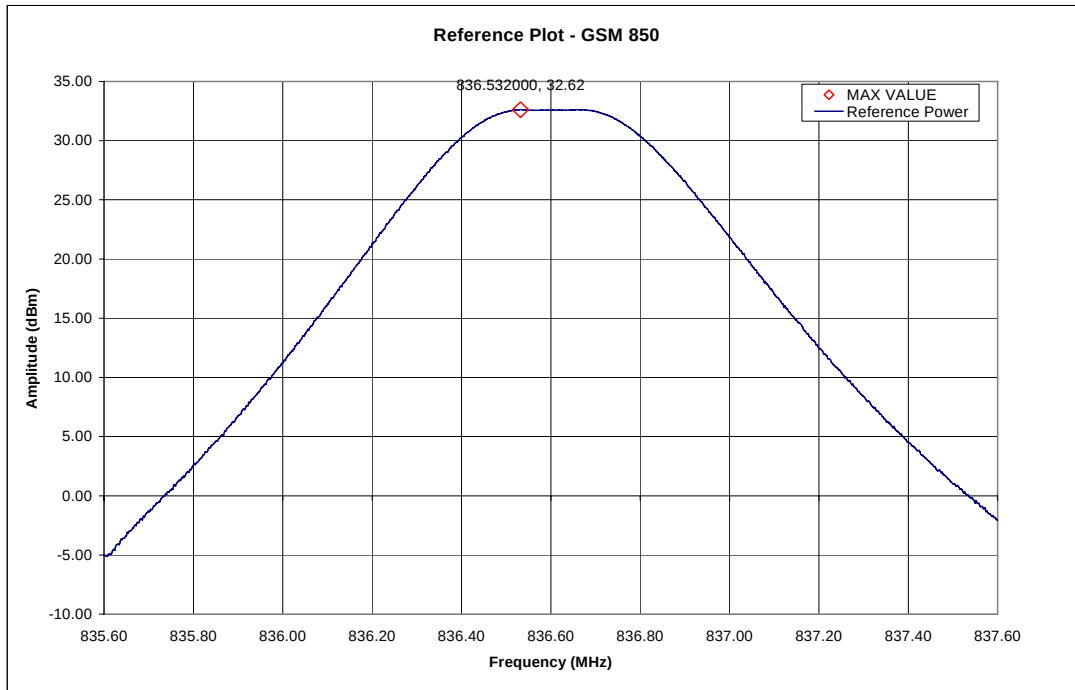
Measurement Results
Attached

Plot	Equipment Settings					
	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Sweep Points (#)	Trace Mode	Detector	Samples (≥ #)
Reference Plot - GSM 850	300	Auto	1001	Max Hold	Peak	30
OCBW - GSM 850	3	Auto	1001	Max Hold	Peak	30
Lower Band Edge - GSM 850	1	Auto	2004	Max Hold	Peak	30
Upper Band Edge - GSM 850	1	Auto	2004	Max Hold	Peak	30
Reference Plot - GSM 1900	300	Auto	1001	Max Hold	Peak	30
OCBW - GSM 1900	3	Auto	1001	Max Hold	Peak	30
Lower Band Edge - GSM 1900	1	Auto	2004	Max Hold	Peak	30
Upper Band Edge - GSM 1900	1	Auto	2004	Max Hold	Peak	30

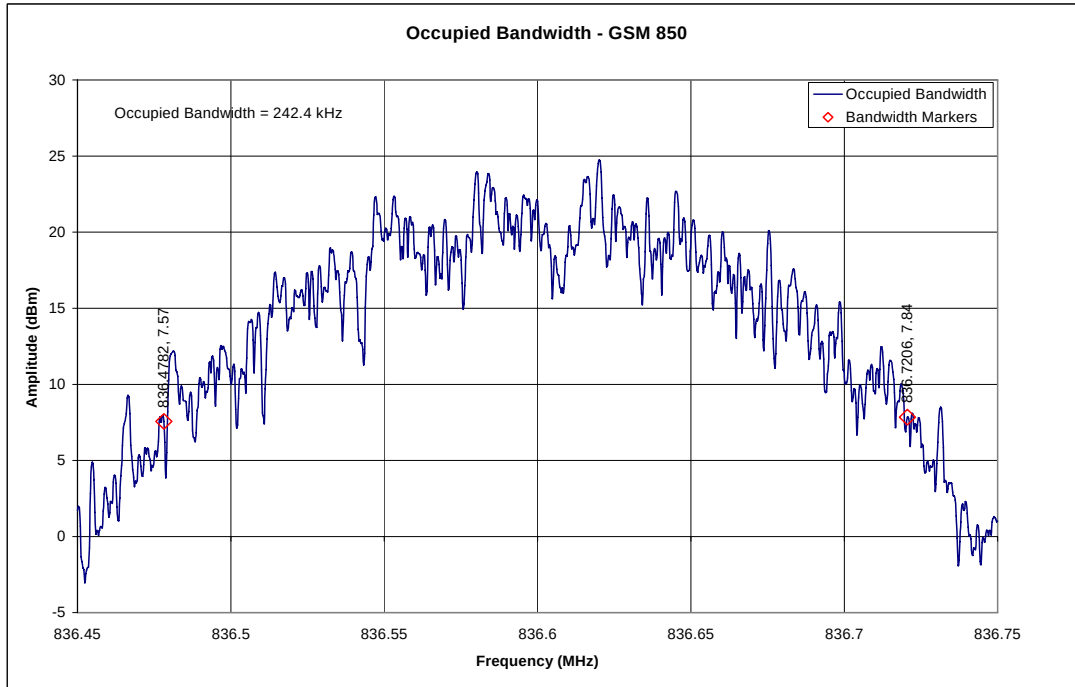
- Notes: 1) When the video bandwidth is set to Auto the video bandwidth self adjusts for ³ the resolution bandwidth.
- 2) The plotted data shown for the band edge measurements is representative of data taken with a true 3 kHz resolution bandwidth filter. The raw data was taken using a 1 kHz resolution bandwidth and was integrated to produce a response representative of data taken using a true 3 kHz resolution bandwidth filter.

Measurement Results – GSM 850

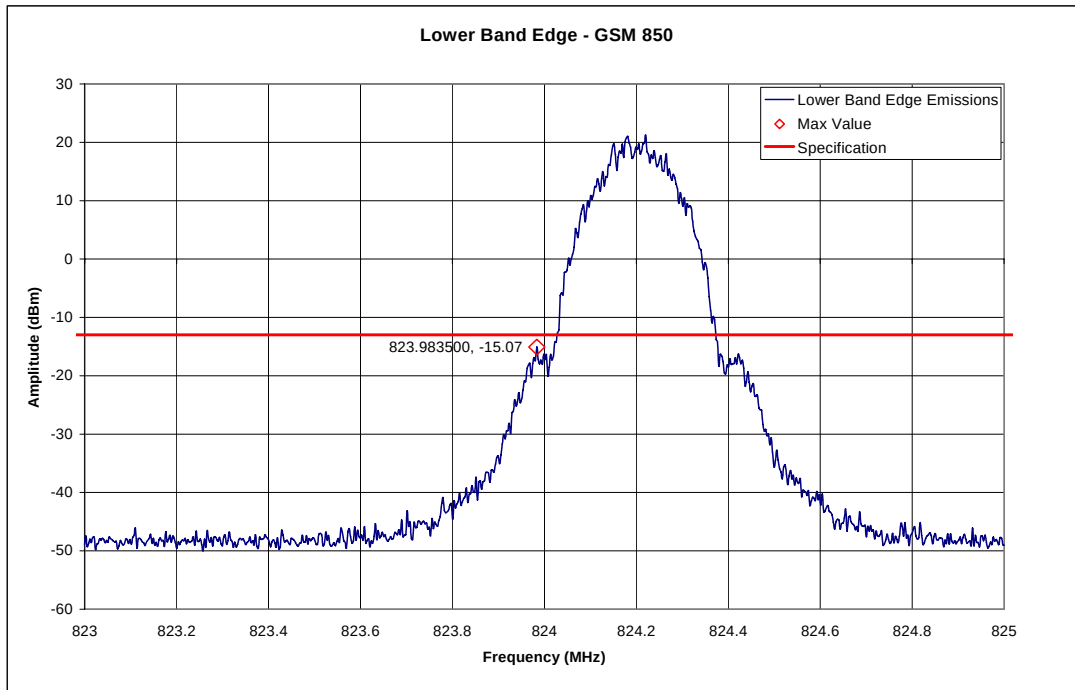
GSM 850 – Reference Level Plot – Channel 190 (836.6MHz)



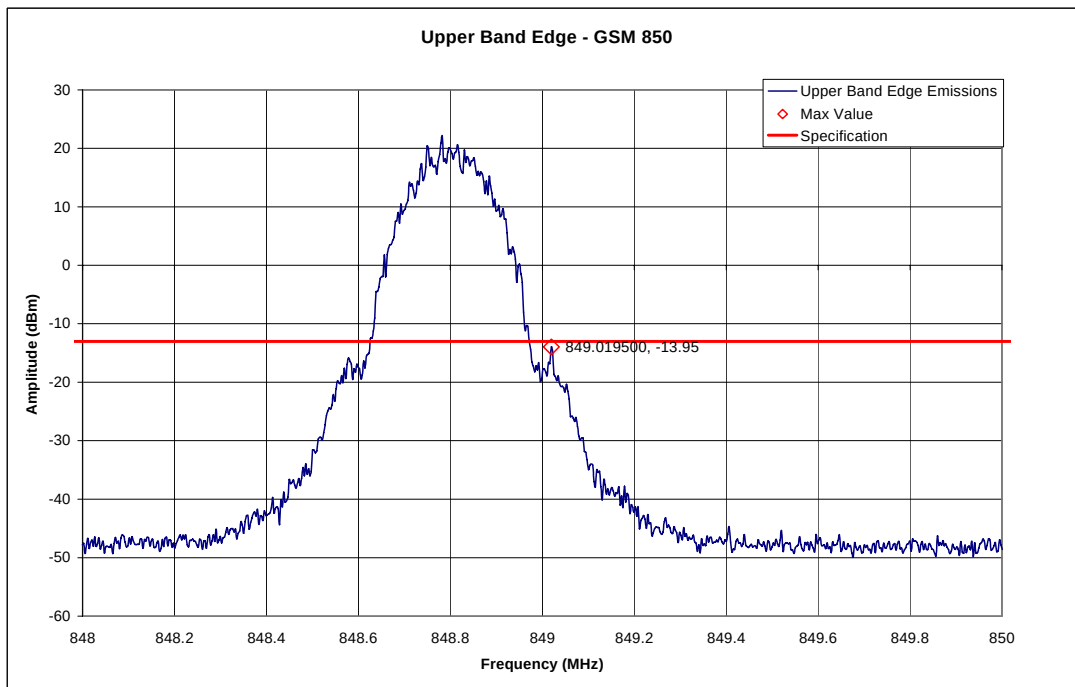
GSM 850 – Occupied Bandwidth – Channel 190 (836.6MHz)



GSM 850 – Lower Band Edge – Channel 128 (824.2MHz)

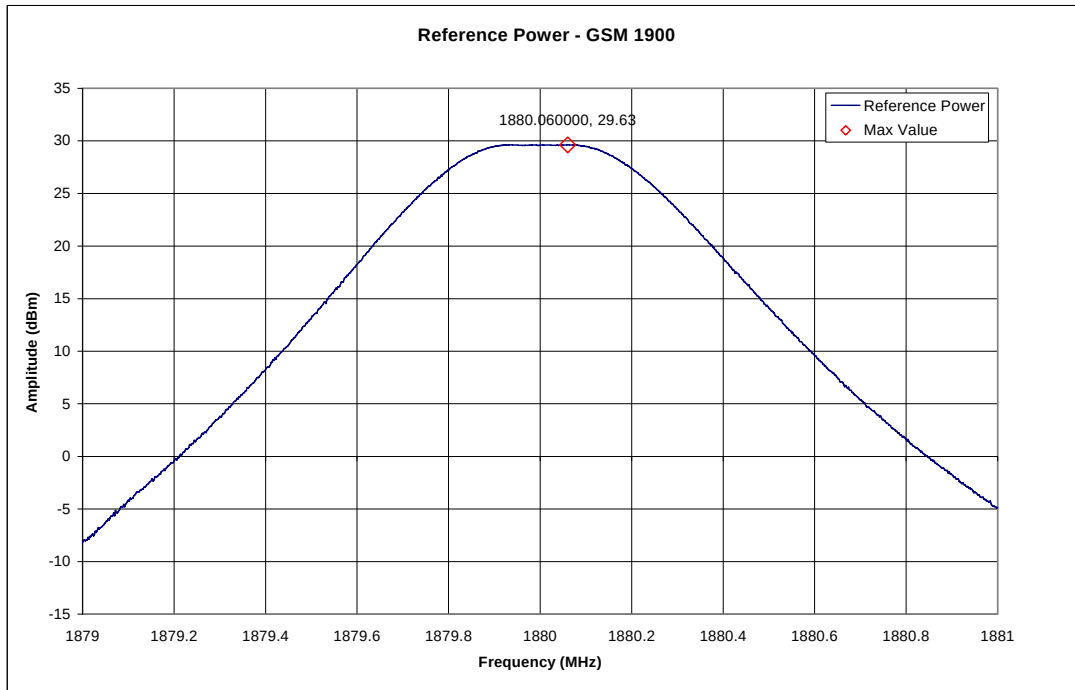


GSM 850 – Upper Band Edge – Channel 251 (848.8MHz)

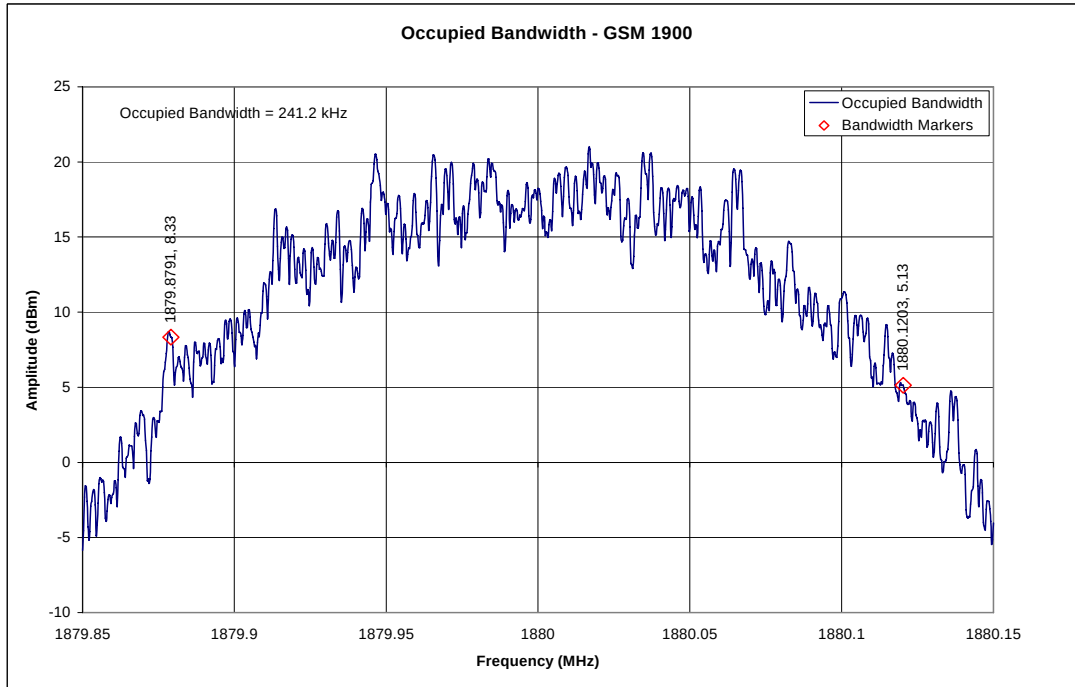


Measurement Results – GSM 1900

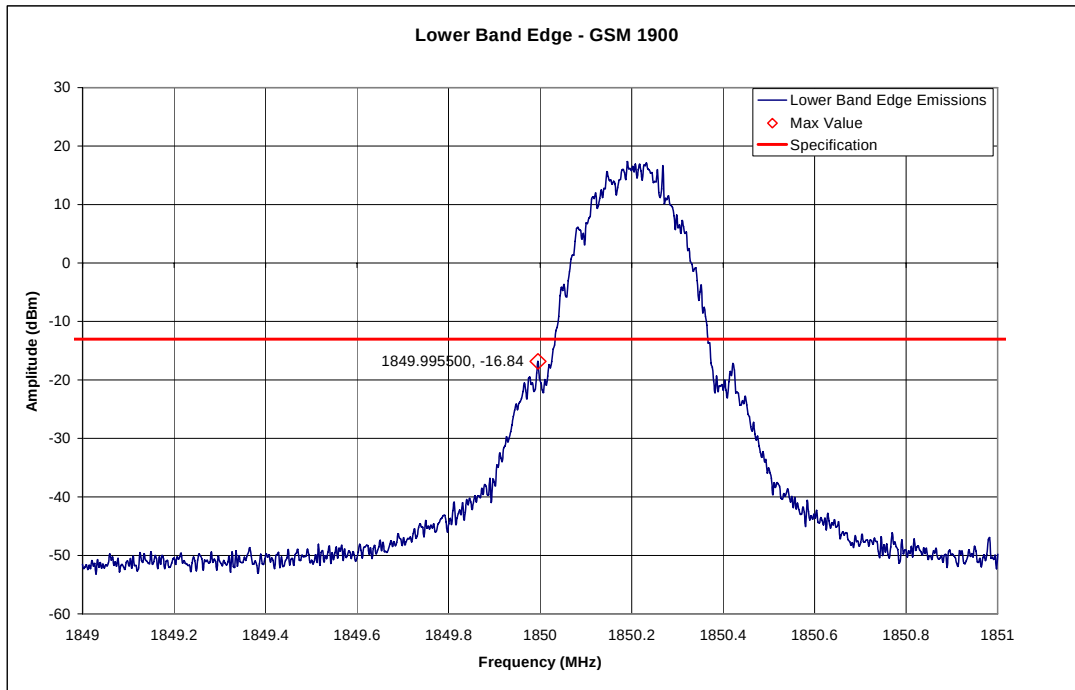
GSM 1900 – Reference Level Plot – Channel 661 (1880.00MHz)



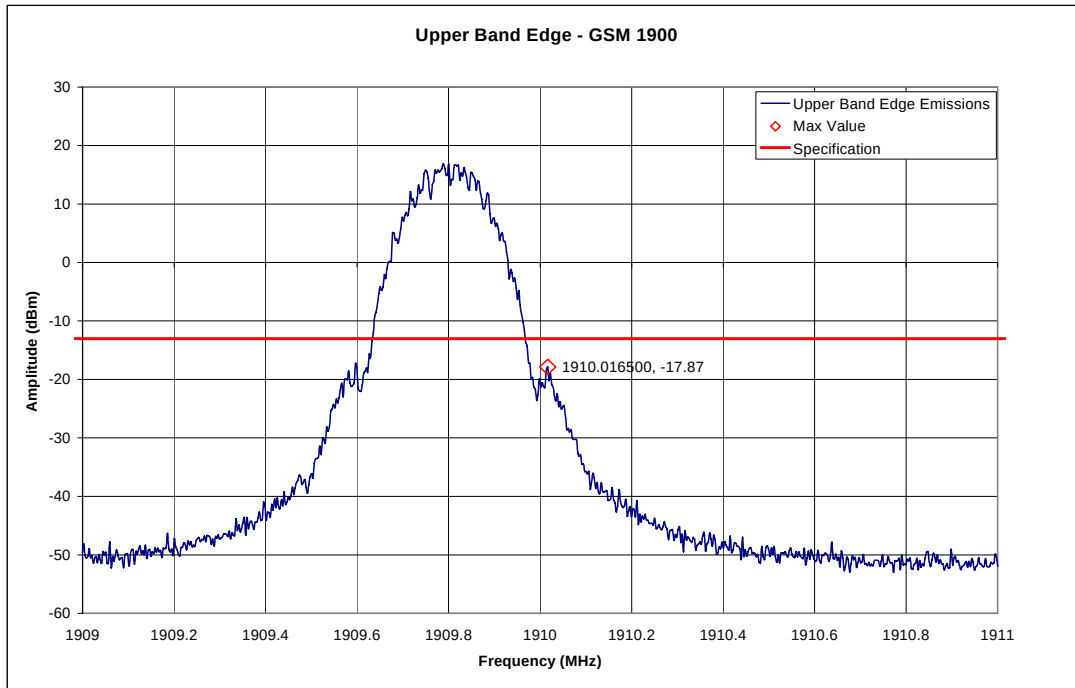
GSM 1900 – Occupied Bandwidth – Channel 661 (1880.00MHz)



GSM 1900 – Lower Band Edge – Channel 512 (1850.2MHz)

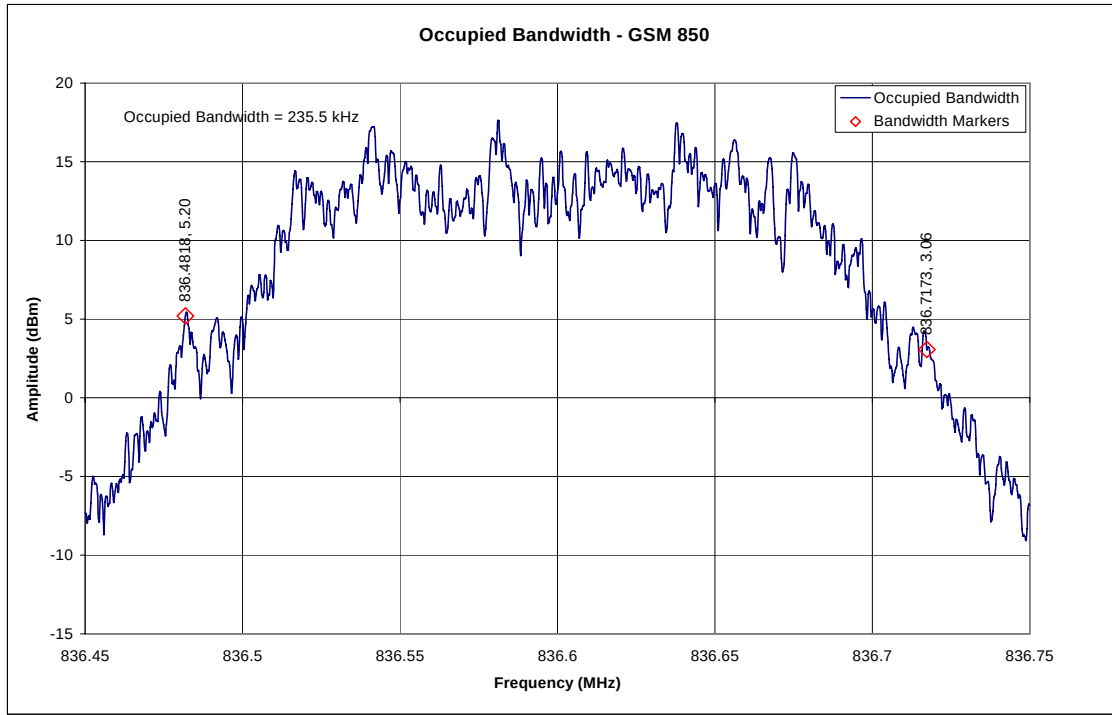


GSM 1900 – Upper Band Edge – Channel 810 (1909.8MHz)

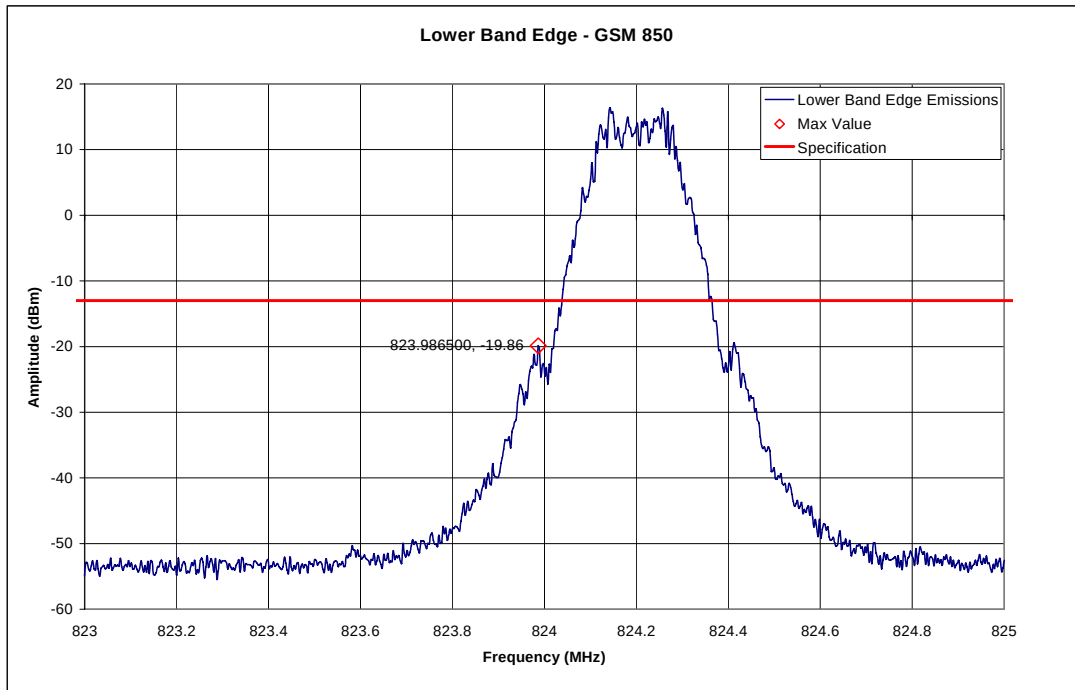


Measurement Results –850 EDGE

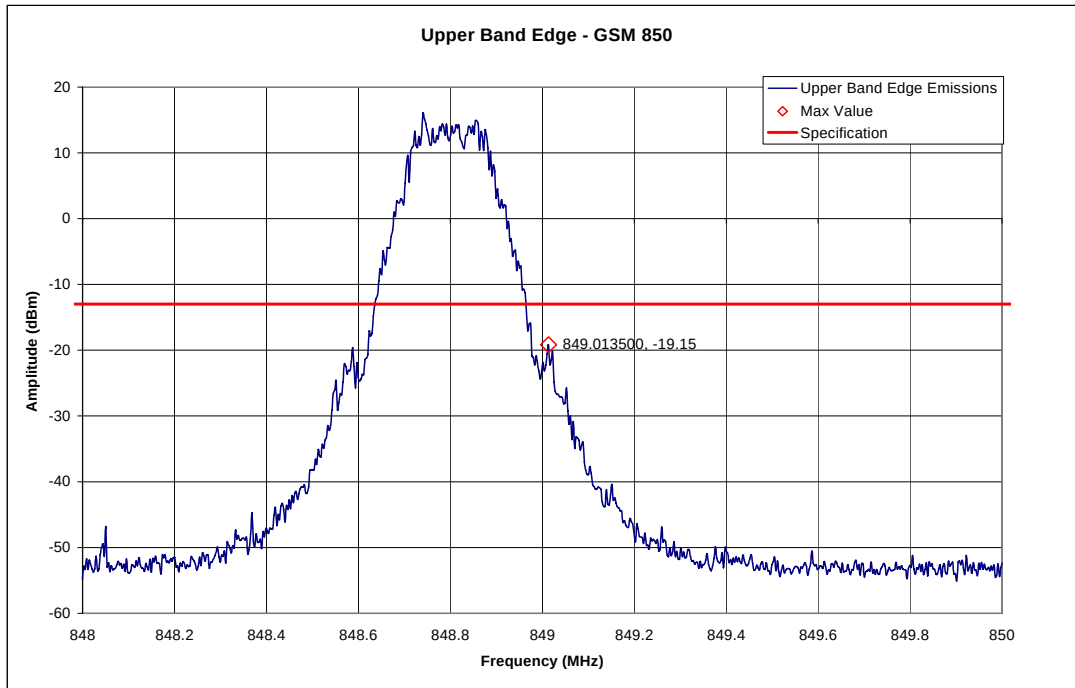
850 EDGE – Occupied Bandwidth – Channel 190 (836.6MHz)



850 EDGE – Lower Band Edge – Channel 128 (824.2MHz)

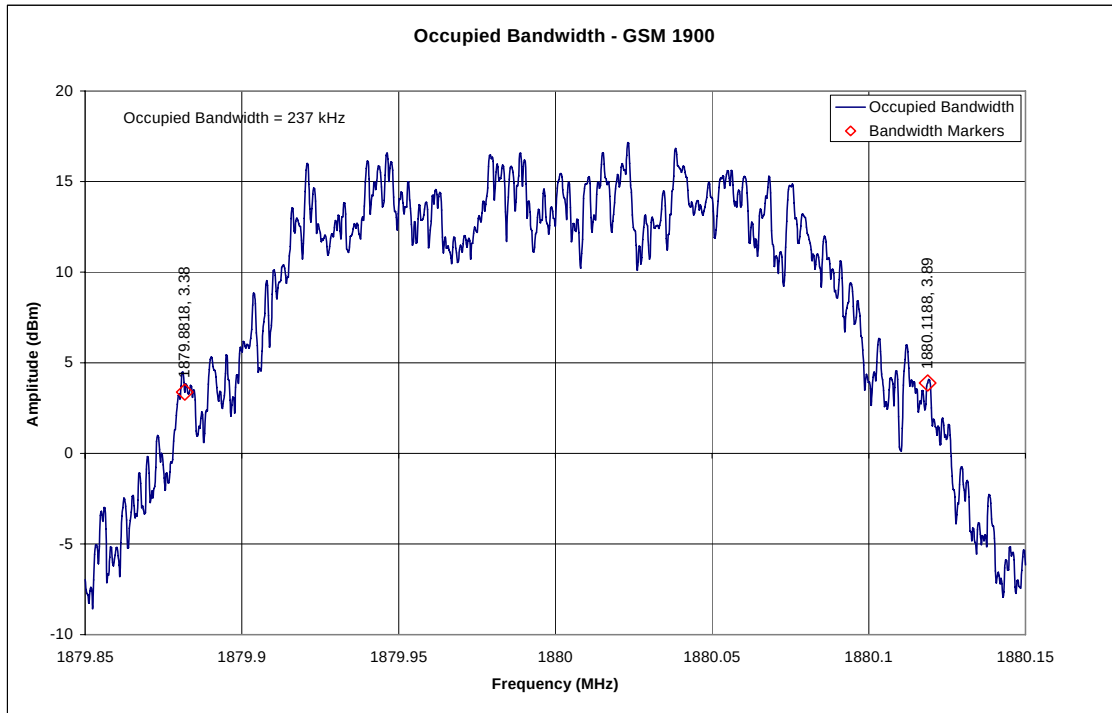


850 EDGE – Upper Band Edge – Channel 251 (848.8MHz)

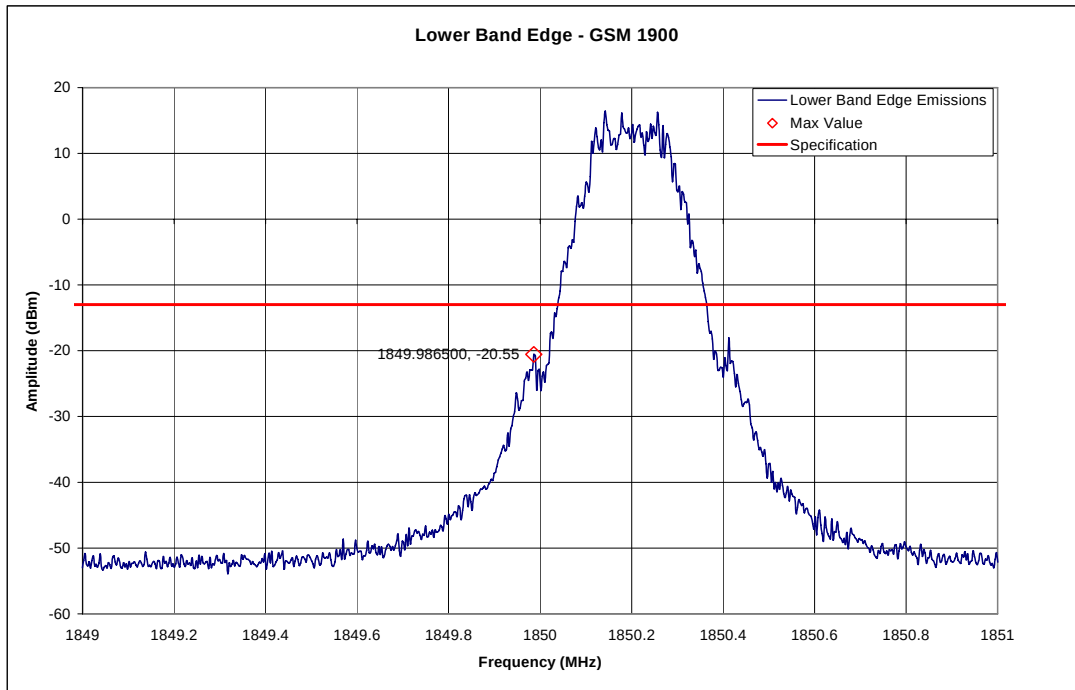


Measurement Results – EDGE 1900

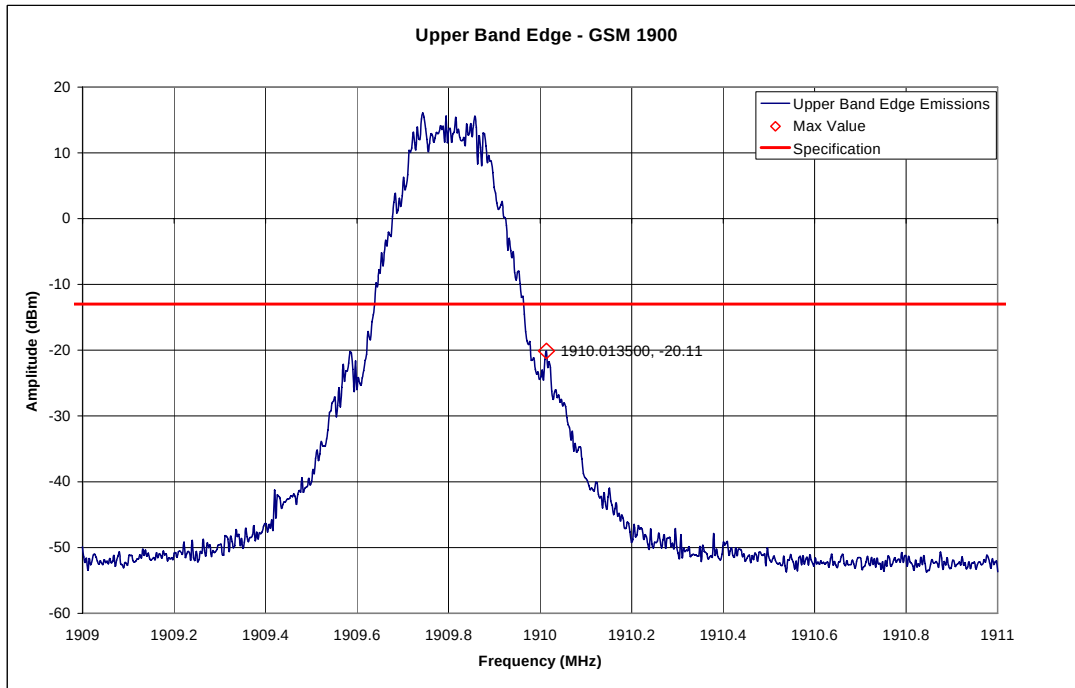
EDGE – Occupied Bandwidth – Channel 661 (1880.00 MHz)



EDGE – Lower Band Edge – Channel 512 (1850.2MHz)



EDGE – Upper Band Edge – Channel 810 (1909.8MHz)



SPURIOUS EMISSIONS AT ANTENNA TERMINALS**Measurement Procedure**

The RF output port of the Equipment Under Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

The spectrum was investigated from the lowest frequency signal generated, without going below 9 kHz, up to at least the tenth harmonic of the fundamental or 40 GHz, whichever is lower.

The spectrum analyzer settings were as follows:

Units	dBm
Divisions	10 dB
Detector	Peak Detector
Resolution Bandwidth	1 MHz
Video Bandwidth (AVG)	Auto
Sweep Time	Auto

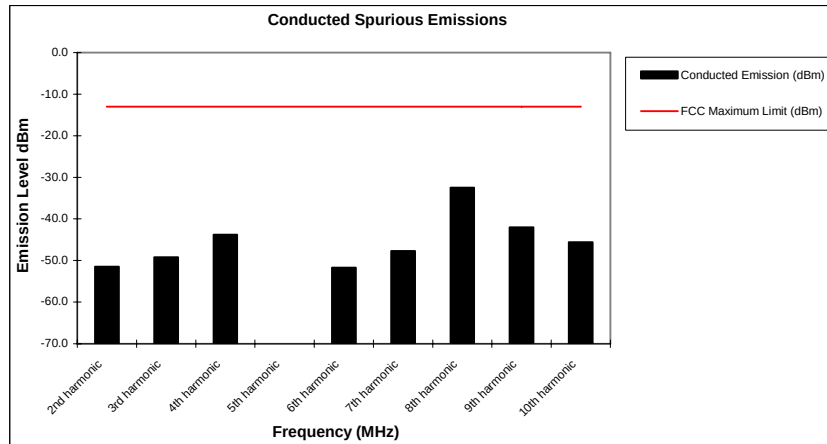
Measurement Results

Attached

Measurement Results
Modulation: GSM 850

Conducted Spurious and Harmonic Emissions

Harmonic of Fundamental	FCC Maximum Limit (dBm)	Conducted Emission (dBm)
2nd harmonic	-13	-51.5
3rd harmonic	-13	-49.2
4th harmonic	-13	-43.8
5th harmonic	-13	*
6th harmonic	-13	-51.7
7th harmonic	-13	-47.7
8th harmonic	-13	-32.5
9th harmonic	-13	-42.0
10th harmonic	-13	-45.6



Notes:

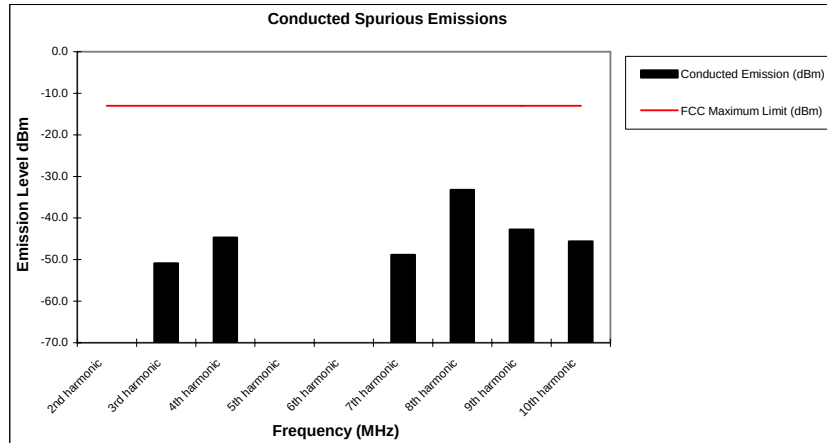
1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 9 kHz to the tenth harmonic of the fundamental.

The margin with respect to the limit is the minimum margin for all modes and bands.

Measurement Results
Modulation: 850 EDGE

Conducted Spurious and Harmonic Emissions

Harmonic of Fundamental	FCC Maximum Limit (dBm)	Conducted Emission (dBm)
2nd harmonic	-13	*
3rd harmonic	-13	-50.9
4th harmonic	-13	-44.7
5th harmonic	-13	*
6th harmonic	-13	*
7th harmonic	-13	-48.8
8th harmonic	-13	-33.2
9th harmonic	-13	-42.7
10th harmonic	-13	-45.6



Notes:

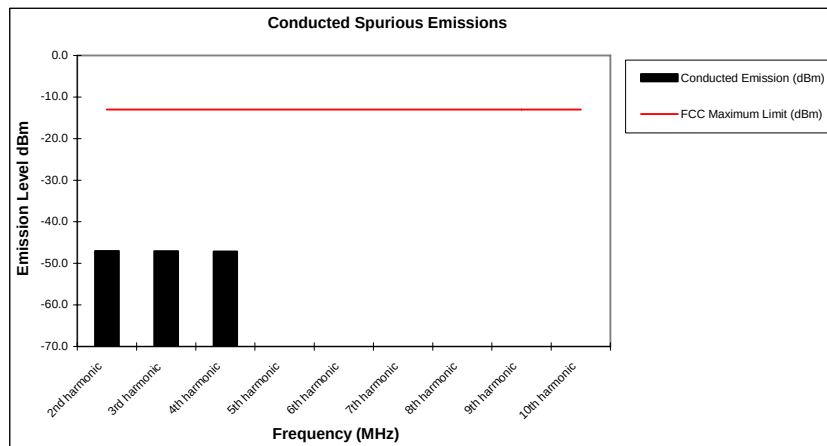
1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 9 kHz to the tenth harmonic of the fundamental.

The margin with respect to the limit is the minimum margin for all modes and bands.

Measurement Results
Modulation: GSM 1900

Conducted Spurious and Harmonic Emissions

Harmonic of Fundamental	FCC Maximum Limit (dBm)	Conducted Emission (dBm)
2nd harmonic	-13	-47.0
3rd harmonic	-13	-47.1
4th harmonic	-13	-47.2
5th harmonic	-13	*
6th harmonic	-13	*
7th harmonic	-13	*
8th harmonic	-13	*
9th harmonic	-13	*
10th harmonic	-13	*



Notes:

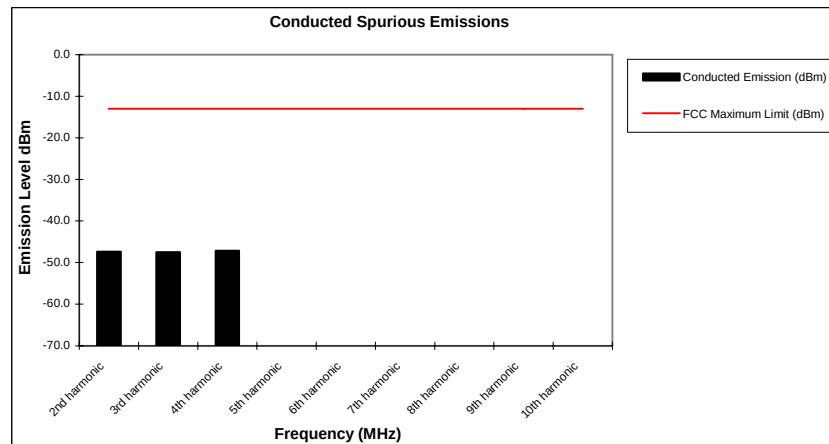
1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 9 kHz to the tenth harmonic of the fundamental.

The margin with respect to the limit is the minimum margin for all modes and bands.

Measurement Results
Modulation: 1900 EDGE

Conducted Spurious and Harmonic Emissions

Harmonic of Fundamental	FCC Maximum Limit (dBm)	Conducted Emission (dBm)
2nd harmonic	-13	-47.4
3rd harmonic	-13	-47.5
4th harmonic	-13	-47.1
5th harmonic	-13	*
6th harmonic	-13	*
7th harmonic	-13	*
8th harmonic	-13	*
9th harmonic	-13	*
10th harmonic	-13	*



Notes:

1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 9 kHz to the tenth harmonic of the fundamental.

The margin with respect to the limit is the minimum margin for all modes and bands.

FIELD STRENGTH OF SPURIOUS EMISSIONS

Measurement Procedure

The equipment under test is placed inside the semi-anechoic chamber on a wooden table at the turntable center. For each spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum reading on the spectrum analyzer. This is repeated for both horizontal and vertical polarizations of the receive antenna.

The equipment under test is then replaced with a substitution antenna fed by a signal generator. With the signal generator tuned to a particular spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters to obtain a maximum reading at the spectrum analyzer. The output of the signal generator is then adjusted until a reading identical to that obtained with the actual transmitter is achieved.

The power in dBm of each spurious emission is calculated by correcting the signal generator level for cable loss and gain of the substitution antenna referenced to a dipole. A fully charged battery was used for the supply voltage.

The settings of the receiver were as follows:

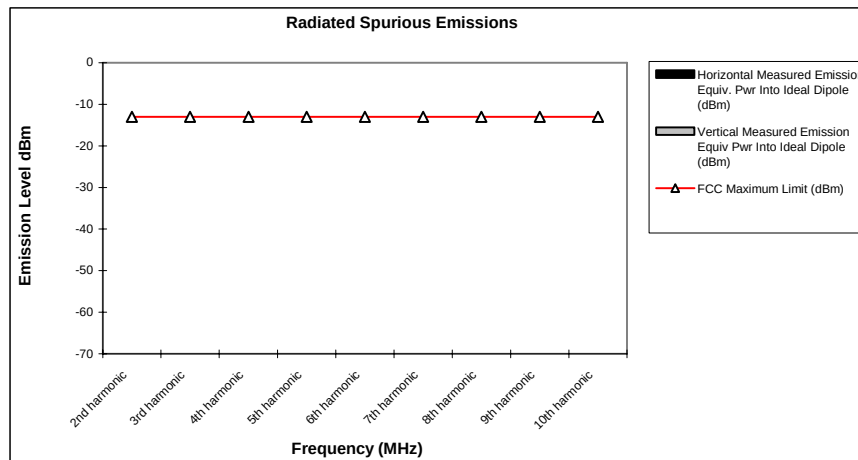
Units	dBm
Divisions	5 dB
Detector	Peak Detector
Resolution Bandwidth	1 MHz
Video Bandwidth (AVG)	Auto
Sweep Time	Auto

Measurement Results

Attached

Measurement Results**Modulation: GSM 850 & 850 EDGE****Radiated Spurious and Harmonic Emissions**

Frequency (MHz)	FCC Maximum Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2nd harmonic	-13	*	*
3rd harmonic	-13	*	*
4th harmonic	-13	*	*
5th harmonic	-13	*	*
6th harmonic	-13	*	*
7th harmonic	-13	*	*
8th harmonic	-13	*	*
9th harmonic	-13	*	*
10th harmonic	-13	*	*

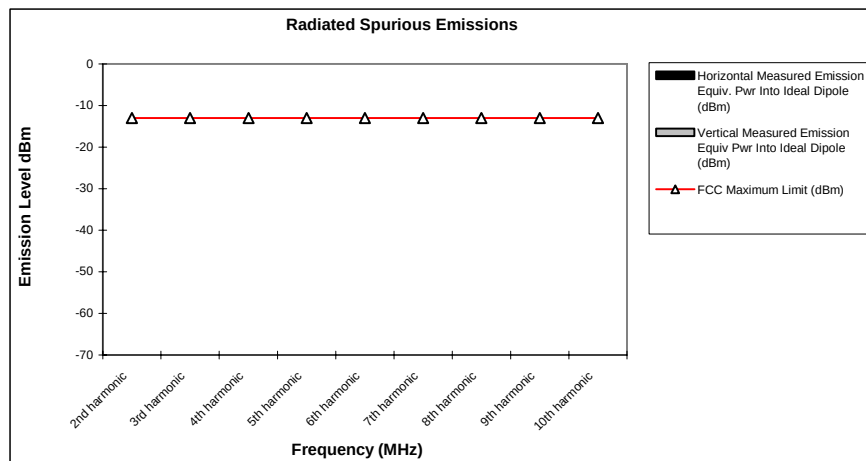
**Notes:**

1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 30 MHz to the tenth harmonic of the fundamental.

The margin with respect to the limit is the minimum margin for all modes and bands.

Measurement Results**Modulation: GSM 1900 & 1900 EDGE****Radiated Spurious and Harmonic Emissions**

Frequency (MHz)	FCC Maximum Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2nd harmonic	-13	*	*
3rd harmonic	-13	*	*
4th harmonic	-13	*	*
5th harmonic	-13	*	*
6th harmonic	-13	*	*
7th harmonic	-13	*	*
8th harmonic	-13	*	*
9th harmonic	-13	*	*
10th harmonic	-13	*	*

**Notes:**

1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific harmonic for the low, mid, and high channels at maximum power.
3. The Spectrum was investigated from 30 MHz to the tenth harmonic of the fundamental.

The margin with respect to the limit is the minimum margin for all modes and bands.

FREQUENCY STABILITY**Measurement Procedure**

The equipment under test is placed in an environmental chamber. The antenna port of the Equipment Under Test is directly coupled to the input of the measurement equipment through a specialized RF connector. A power supply is attached as the primary voltage supply.

Frequency measurements are made at the extremes of the temperature range -30°C to $+60^{\circ}\text{C}$ and at intervals of 10°C with the primary supply voltage set to the nominal battery operating voltage. A period of time sufficient to stabilize all components of the equipment is allowed at each frequency measurement. The maximum variation of frequency is measured.

At room temperature, the primary supply voltage is reduced to the battery operating endpoint of the equipment under test. The maximum variation of frequency is measured. A battery eliminator was used for the input supply voltage.

Measurement Results

Attached

Measurement Results

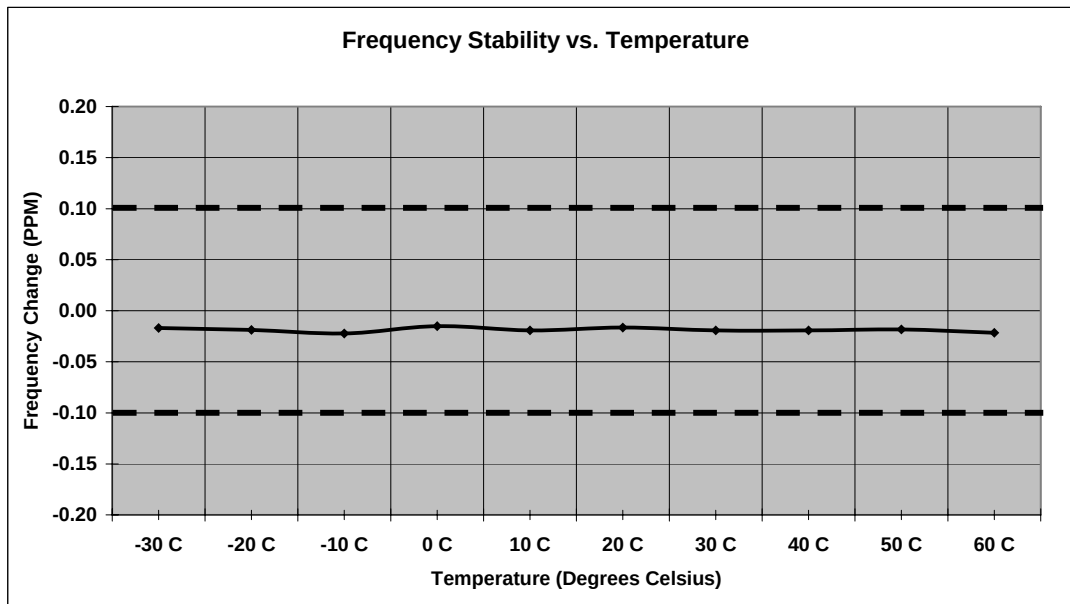
Modulation: GSM 850

Frequency Stability

Mode: GSM 850
Channel: 190

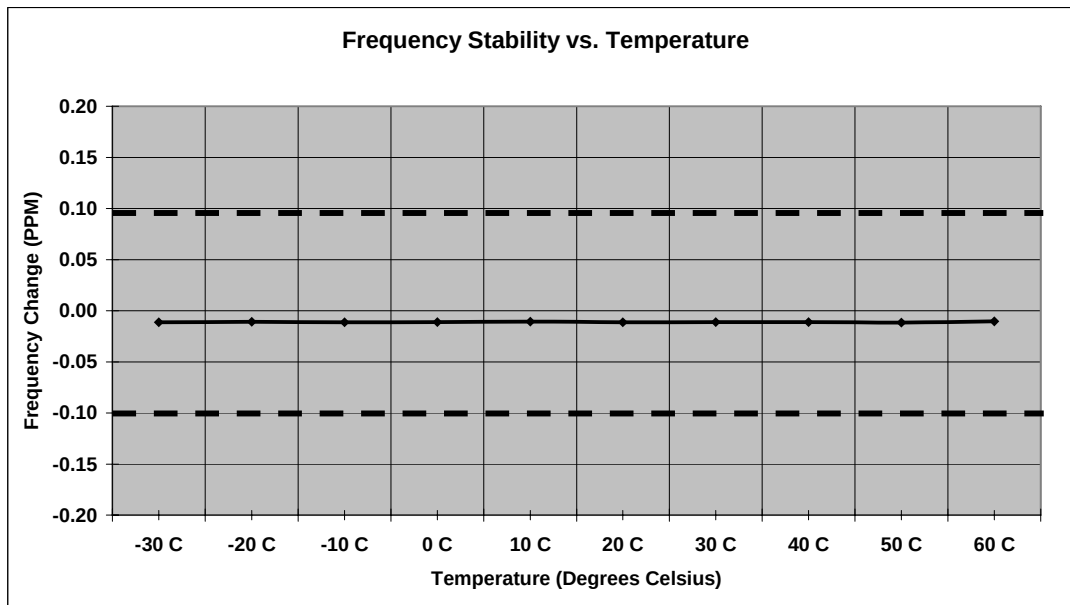
Operating Frequency: 836.6 MHz
Deviation Limit (PPM): 0.1 ppm

Temperature	Frequency Error	Frequency Error	Voltage	Voltage
C	HZ	(PPM)	(%)	(VDC)
-30 C	-14.13	-0.017	100%	3.80
-20 C	-15.77	-0.019	100%	3.80
-10 C	-18.70	-0.022	100%	3.80
0 C	-12.61	-0.015	100%	3.80
10 C	-16.19	-0.019	100%	3.80
20 C	-13.87	-0.017	100%	3.80
30 C	-16.15	-0.019	100%	3.80
40 C	-16.22	-0.019	100%	3.80
50 C	-15.36	-0.018	100%	3.80
60 C	-18.06	-0.022	100%	3.80
20 C	-18.24	-0.022	Battery Endpoint	3.55



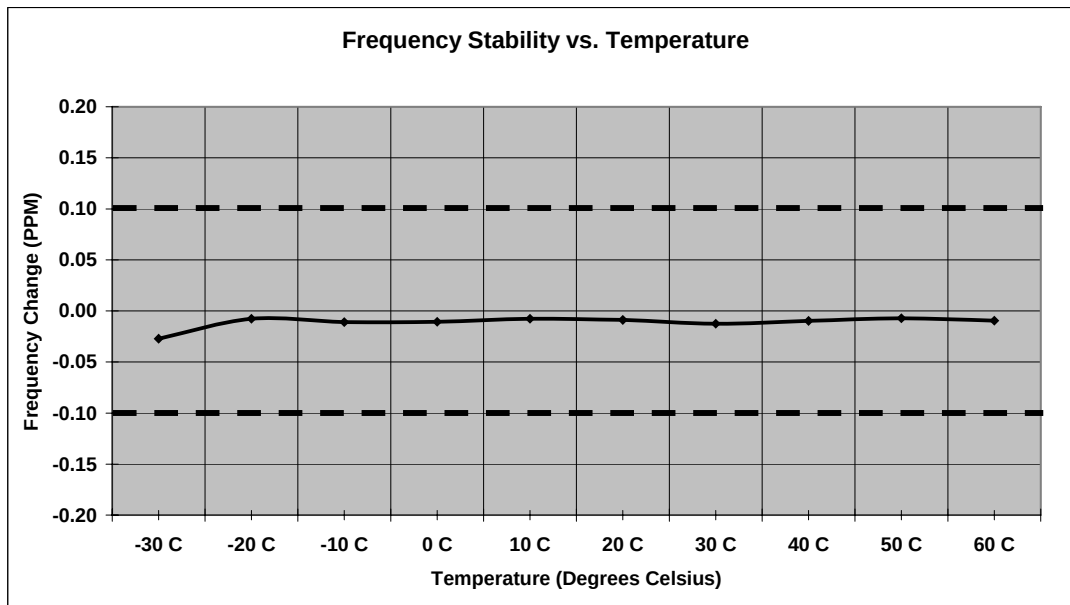
Measurement Results**Modulation: GSM 1900****Frequency Stability****Mode:** GSM 1900**Operating Frequency:** 1880.0 MHz**Channel:** 661**Deviation Limit (PPM):** 0.1ppm

Temperature	Frequency Error	Frequency Error	Voltage	Voltage
C	HZ	(PPM)	(%)	(VDC)
-30 C	-21.19	-0.011	100%	3.80
-20 C	-20.30	-0.011	100%	3.80
-10 C	-21.41	-0.011	100%	3.80
0 C	-21.06	-0.011	100%	3.80
10 C	-19.94	-0.011	100%	3.80
20 C	-21.55	-0.011	100%	3.80
30 C	-21.15	-0.011	100%	3.80
40 C	-20.85	-0.011	100%	3.80
50 C	-21.70	-0.012	100%	3.80
60 C	-19.62	-0.010	100%	3.80
20 C	-23.25	-0.012	Battery Endpoint	3.55



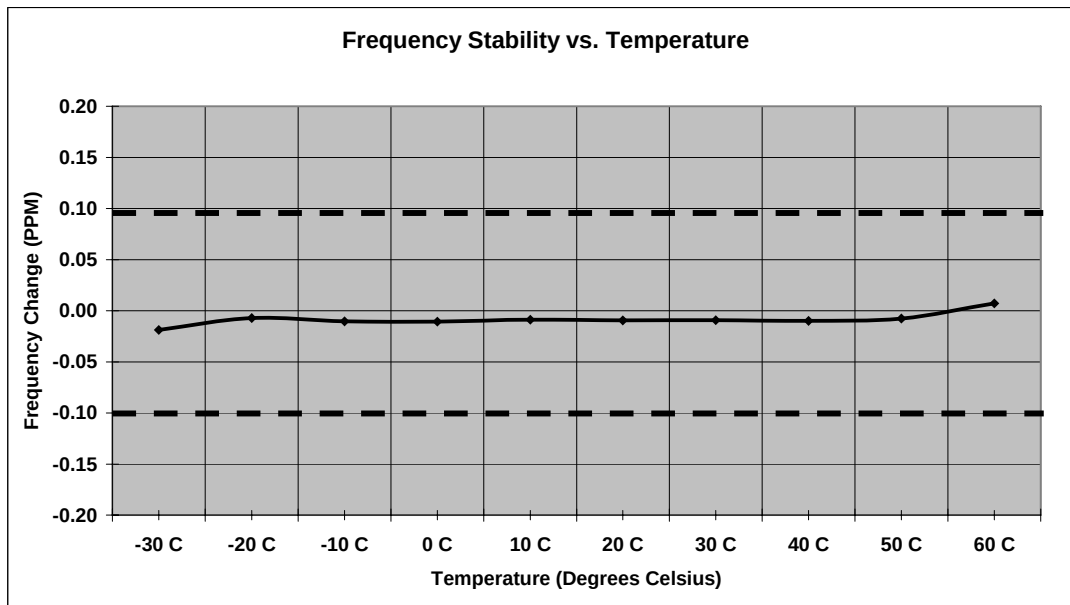
Measurement Results**Modulation: 850 EDGE****Frequency Stability****Mode:** 850 EDGE**Operating Frequency:** 836.6 MHz**Channel:** 190**Deviation Limit (PPM):** 0.1 ppm

Temperature	Frequency Error	Frequency Error	Voltage	Voltage
C	HZ	(PPM)	(%)	(VDC)
-30 C	-22.72	-0.027	100%	3.80
-20 C	-6.33	-0.008	100%	3.80
-10 C	-9.05	-0.011	100%	3.80
0 C	-8.90	-0.011	100%	3.80
10 C	-6.46	-0.008	100%	3.80
20 C	-7.33	-0.009	100%	3.80
30 C	-10.59	-0.013	100%	3.80
40 C	-8.12	-0.010	100%	3.80
50 C	-6.09	-0.007	100%	3.80
60 C	-8.01	-0.010	100%	3.80
20 C	-7.59	-0.009	Battery Endpoint	3.55



Measurement Results**Modulation: 1900 EDGE****Frequency Stability****Mode:** 1900 EDGE**Operating Frequency:** 1880.0 MHz**Channel:** 661**Deviation Limit (PPM):** 0.1ppm

Temperature	Frequency Error	Frequency Error	Voltage	Voltage
C	HZ	(PPM)	(%)	(VDC)
-30 C	-35.52	-0.019	100%	3.80
-20 C	-13.40	-0.007	100%	3.80
-10 C	-19.57	-0.010	100%	3.80
0 C	-19.89	-0.011	100%	3.80
10 C	-16.77	-0.009	100%	3.80
20 C	-17.90	-0.010	100%	3.80
30 C	-17.49	-0.009	100%	3.80
40 C	-18.67	-0.010	100%	3.80
50 C	-14.45	-0.008	100%	3.80
60 C	13.67	0.007	100%	3.80
20 C	-17.83	-0.009	Battery Endpoint	3.55



FIELD STRENGTH OF EMISSIONS FROM UNINTENTIONAL RADIATORS**Measurement Procedure**

The equipment under test is placed inside the semi-anechoic chamber on a wooden table at the turntable center. For each radiated emission, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum peak reading on the spectrum analyzer. The radiated emissions are then measured using an EMI receiver employing a CISPR quasi-peak detector function below 1000 MHz and an average detector function above 1000 MHz. This is repeated for both horizontal and vertical polarizations of the receive antenna. A fully charged battery was used for the supply voltage.

The field strength of each radiated emission is calculated by correcting the EMI receiver level for cable loss, amplifier gain, and antenna correction factors.

Field Strength (dBuV/m) = EMI Receiver Level (dBuV) + Cable Loss (dB) - Amplifier Gain (dB) + Antenna Correction Factor (1/m)

Measurement Results

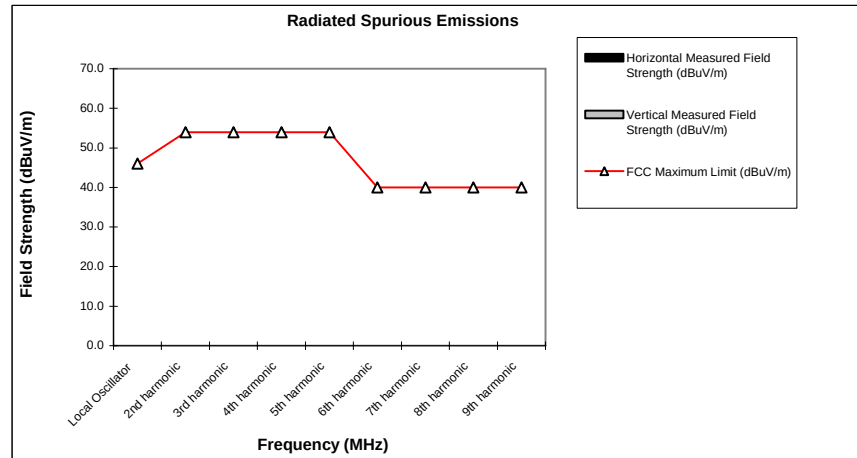
Attached

Measurement Results

Modulation: All Bands and Configurations

Receiver Radiated Spurious Emissions

Frequency (MHz)	FCC Maximum Limit (dBuV/m)	Horizontal Measured Field Strength (dBuV/m)	Vertical Measured Field Strength (dBuV/m)
Local Oscillator	46	*	*
2nd harmonic	54	*	*
3rd harmonic	54	*	*
4th harmonic	54	*	*
5th harmonic	54	*	*
6th harmonic	40	*	*
7th harmonic	40	*	*
8th harmonic	40	*	*
9th harmonic	40	*	*
10th harmonic	40	*	*



Notes:

1. * Indicates the spurious emission could not be detected due to noise limitations or ambients.
2. Each emission reported reflects the highest absolute level at the specific frequency for the low, mid, and high channels.

The margin with respect to the limit is the minimum margin for all modes and bands.

AC LINE CONDUCTED EMISSIONS

Measurement Procedure

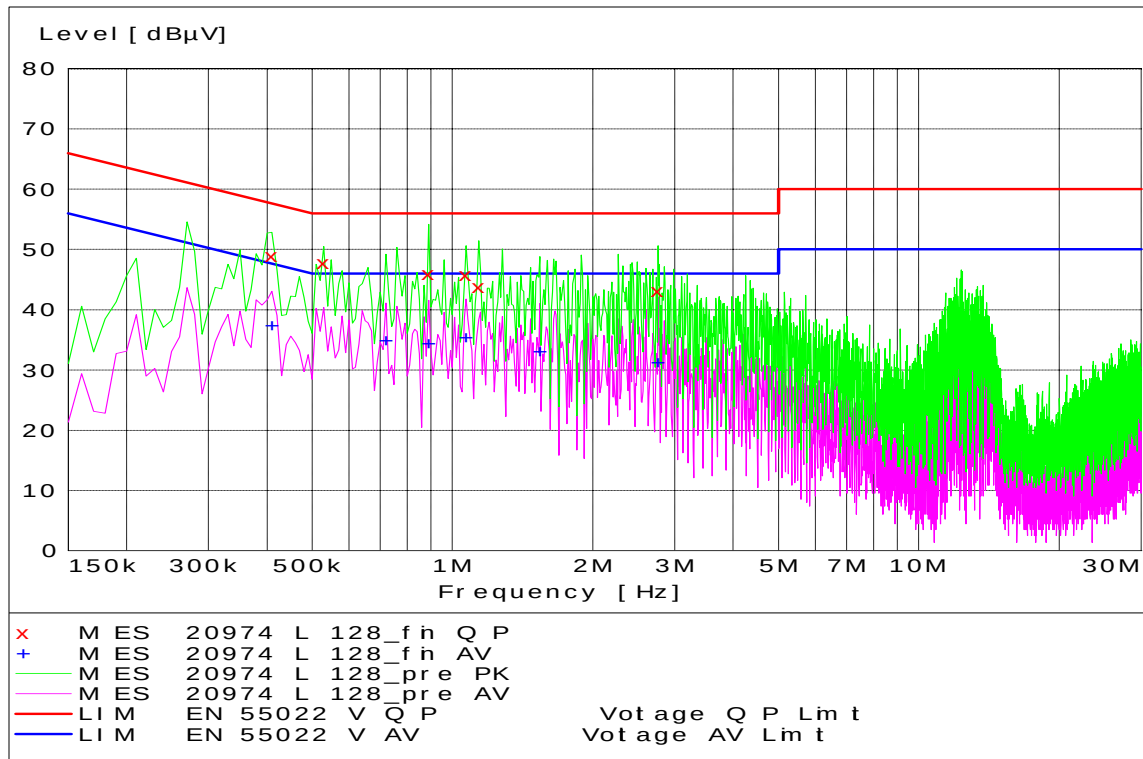
Measured levels of ac power line conducted emission shall be the radio-noise voltage from the line probe or across the 50 Ω LISN port, where permitted, terminated into a 50 Ω noise meter, or where permitted or required, the radio-noise current on the power line sensed by a current probe.

All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN. Equipment shall be tested with power cords that are normally supplied using an LISN, the 50 Ω measuring port is terminated by a 50 Ω radio-noise meter or a 50 Ω resistive load. All other ports are terminated in 50 Ω .

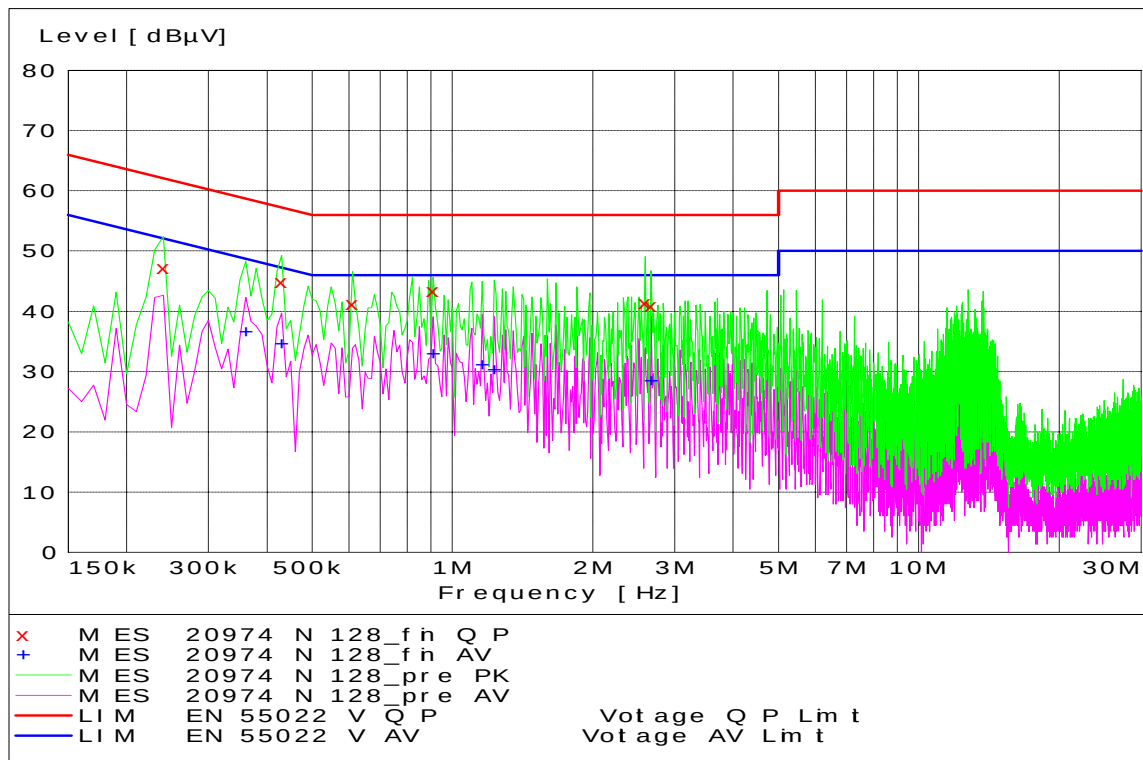
Detectors – Quasi Peak and Average

Measurement Results

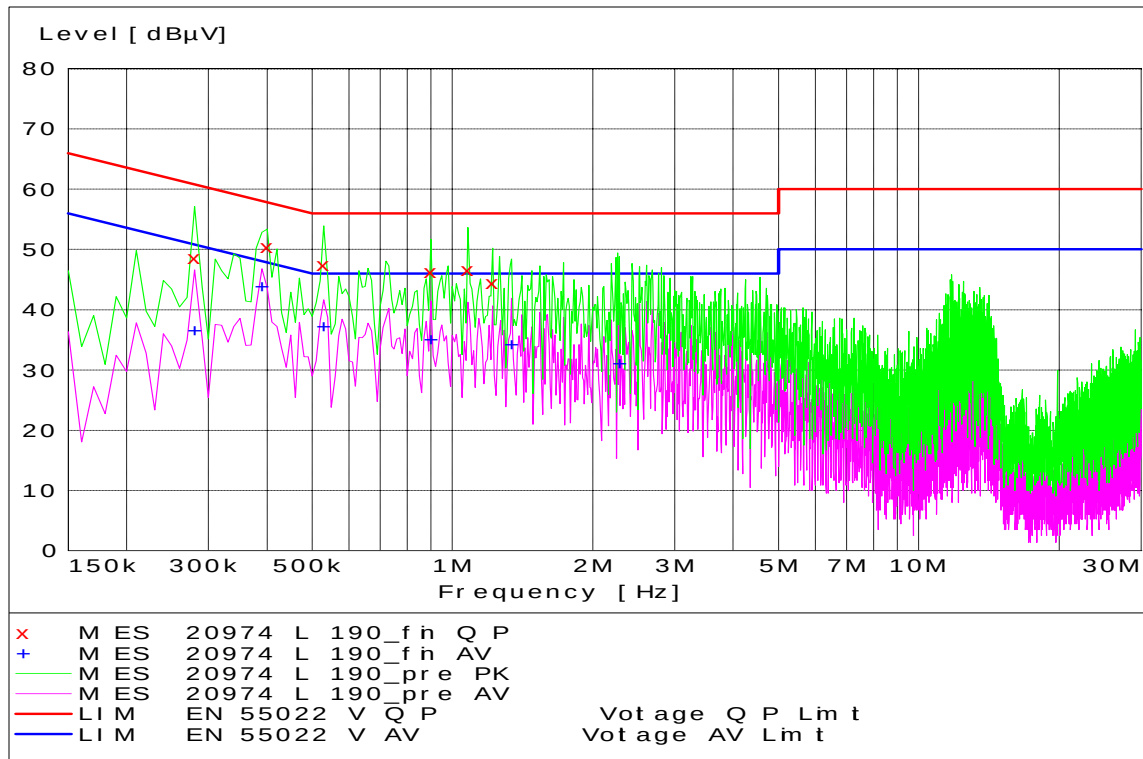
See attached:



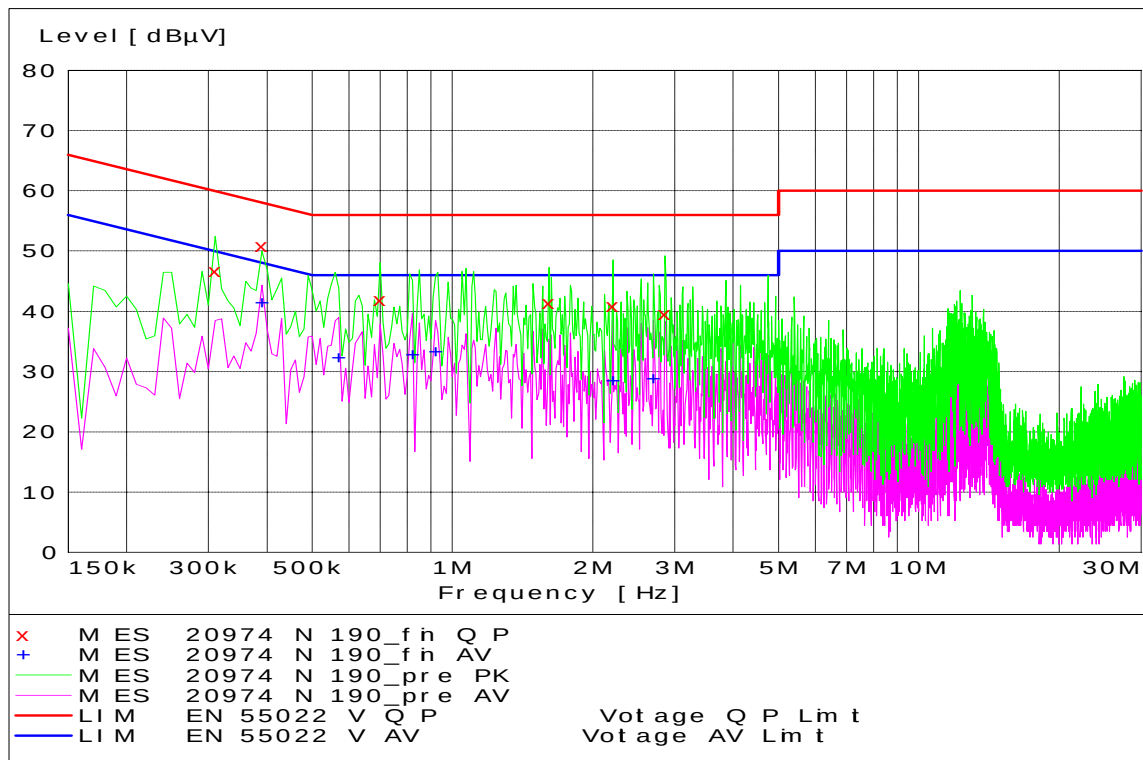
GSM 850 Channel 128 - Tx Mode - Line Coupling



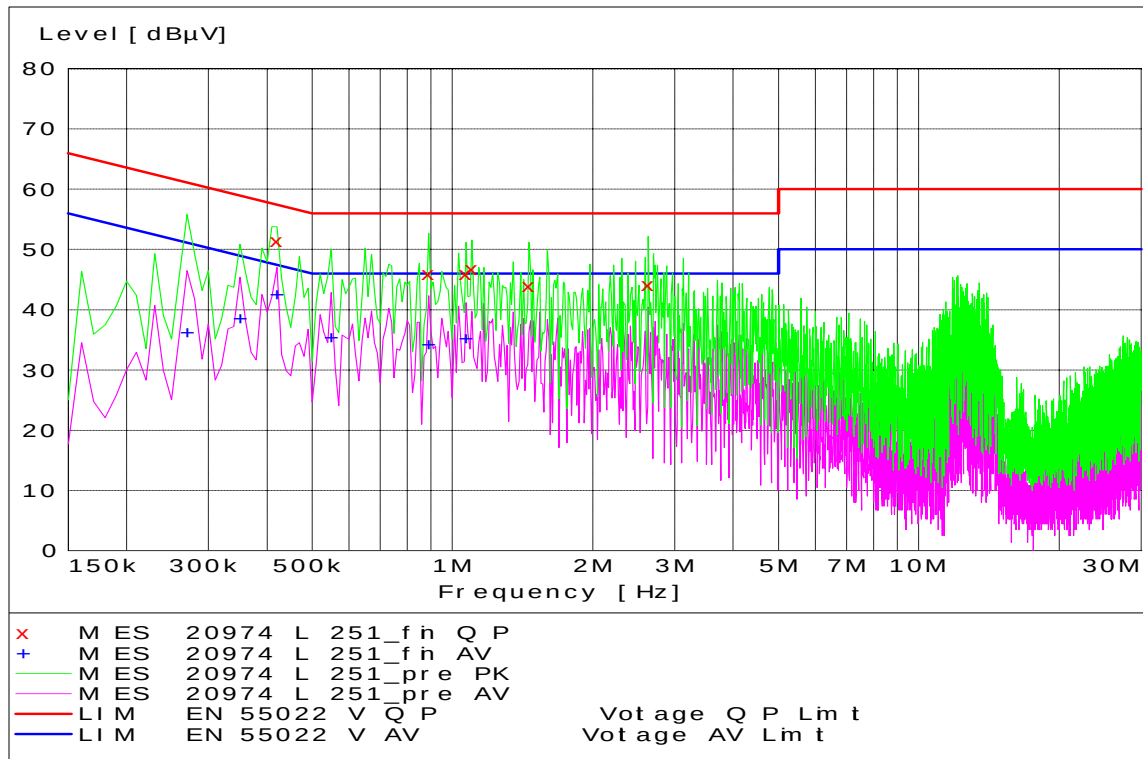
GSM 850 Channel 128 - Tx Mode - Neutral Coupling



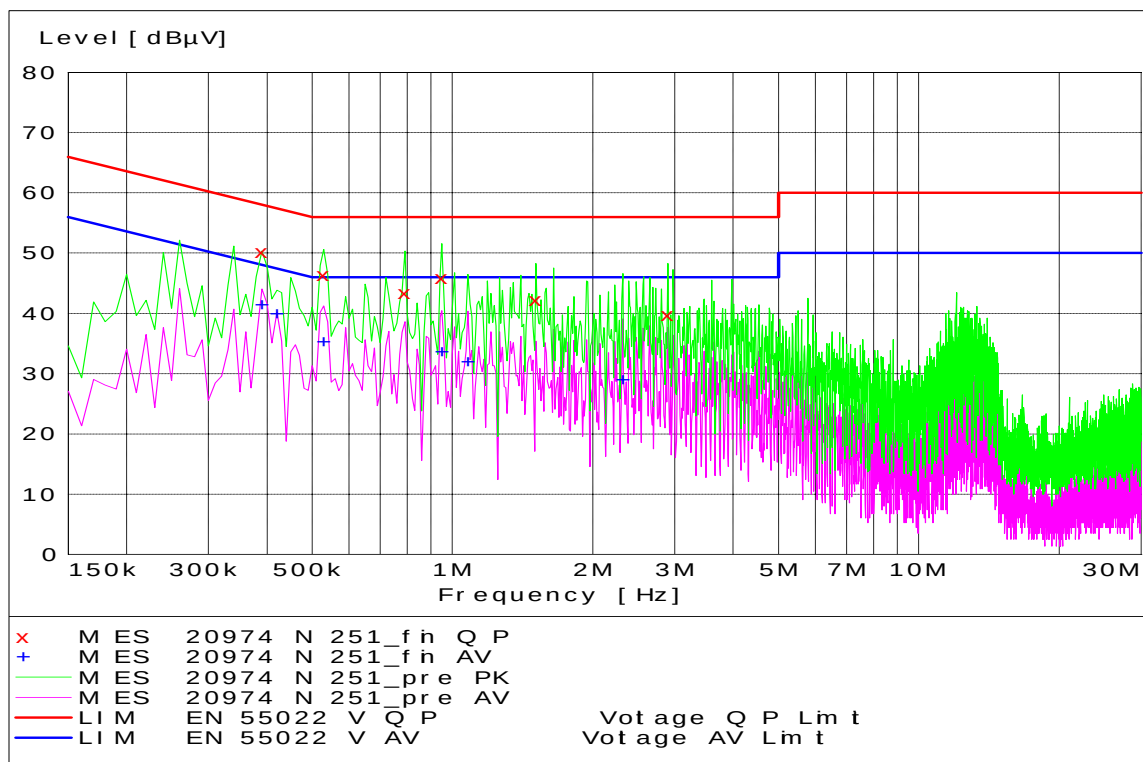
GSM 850 Channel 190 - Tx Mode - Line Coupling



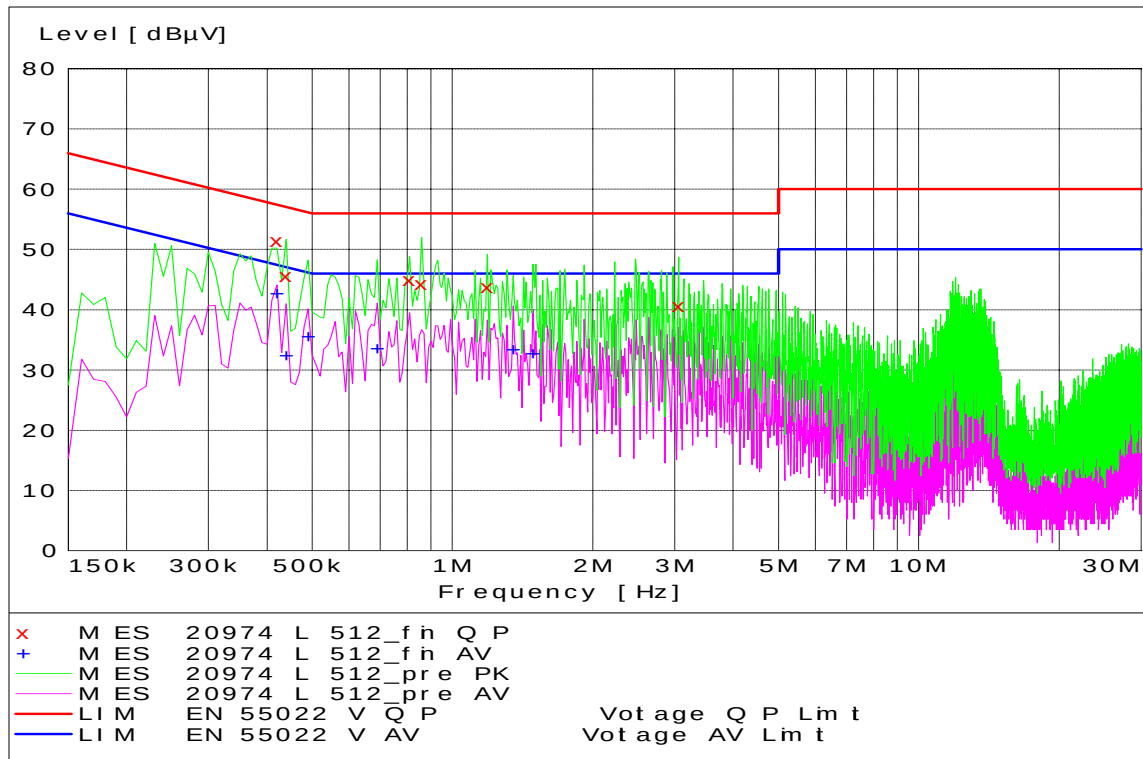
GSM 850 Channel 190 - Tx Mode - Neutral Coupling



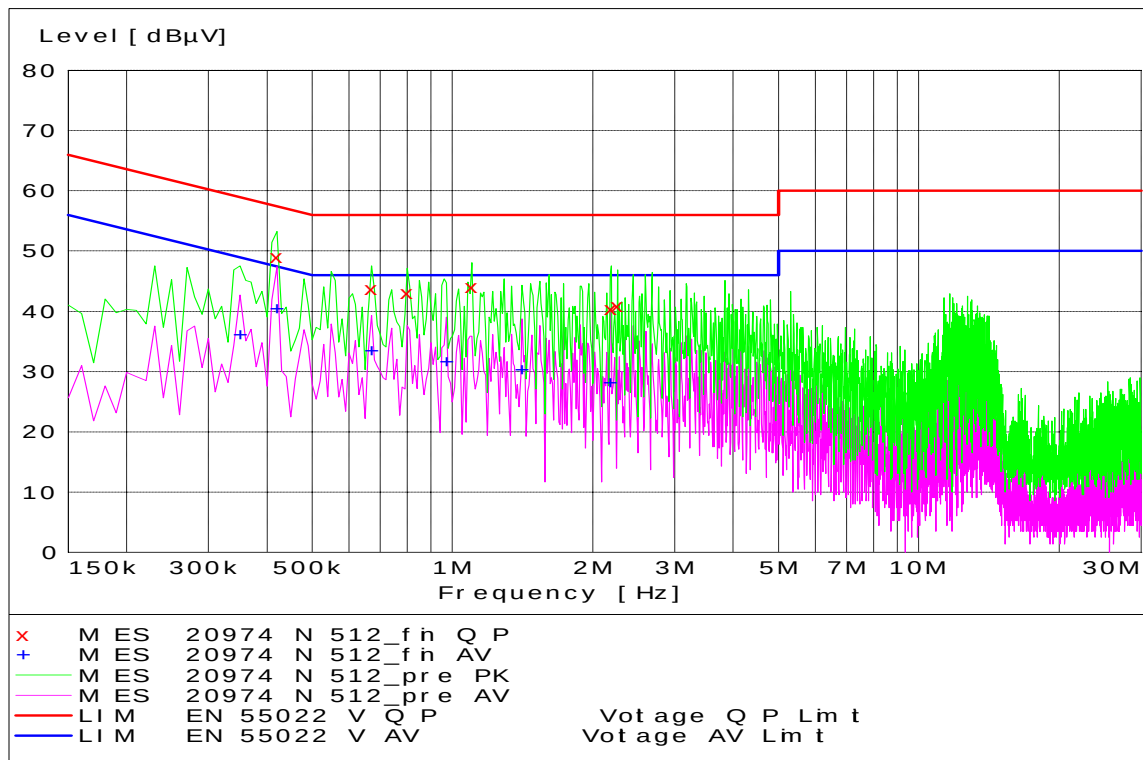
GSM 850 Channel 251 - Tx Mode - Line Coupling



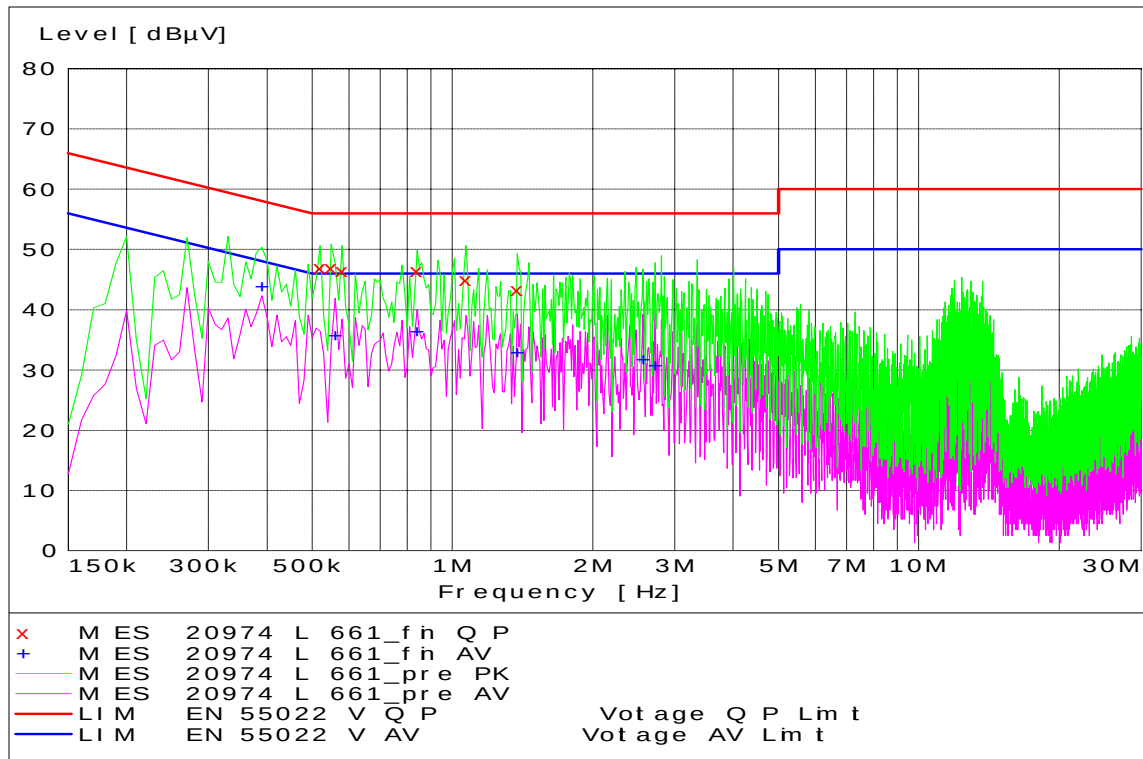
GSM 850 Channel 251 - Tx Mode - Neutral Coupling



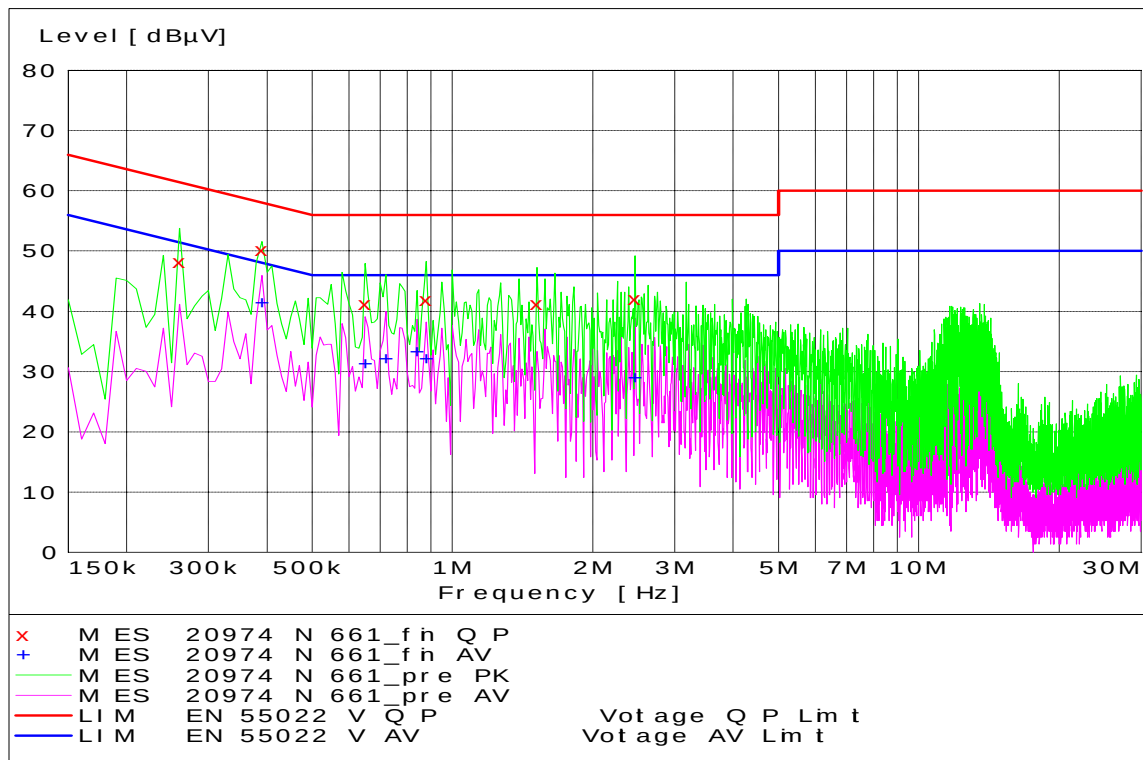
PCS Channel 512 - Tx Mode - Line Coupling



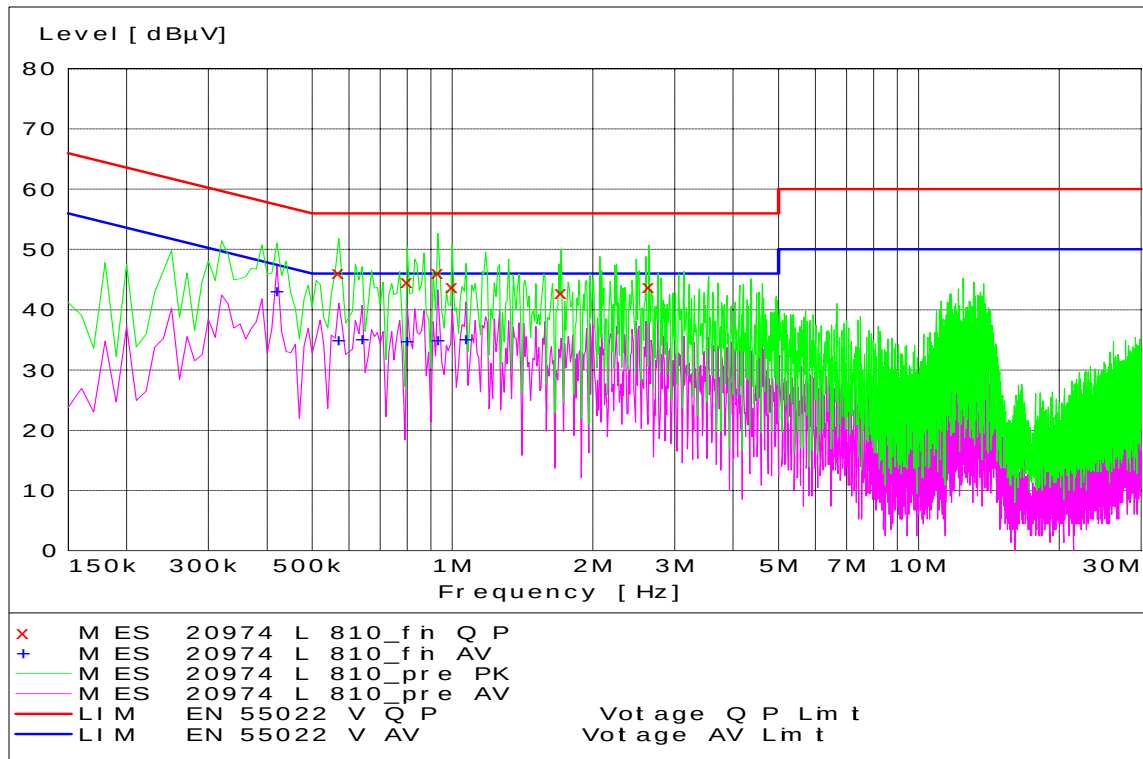
PCS Channel 512 - Tx Mode - Neutral Coupling



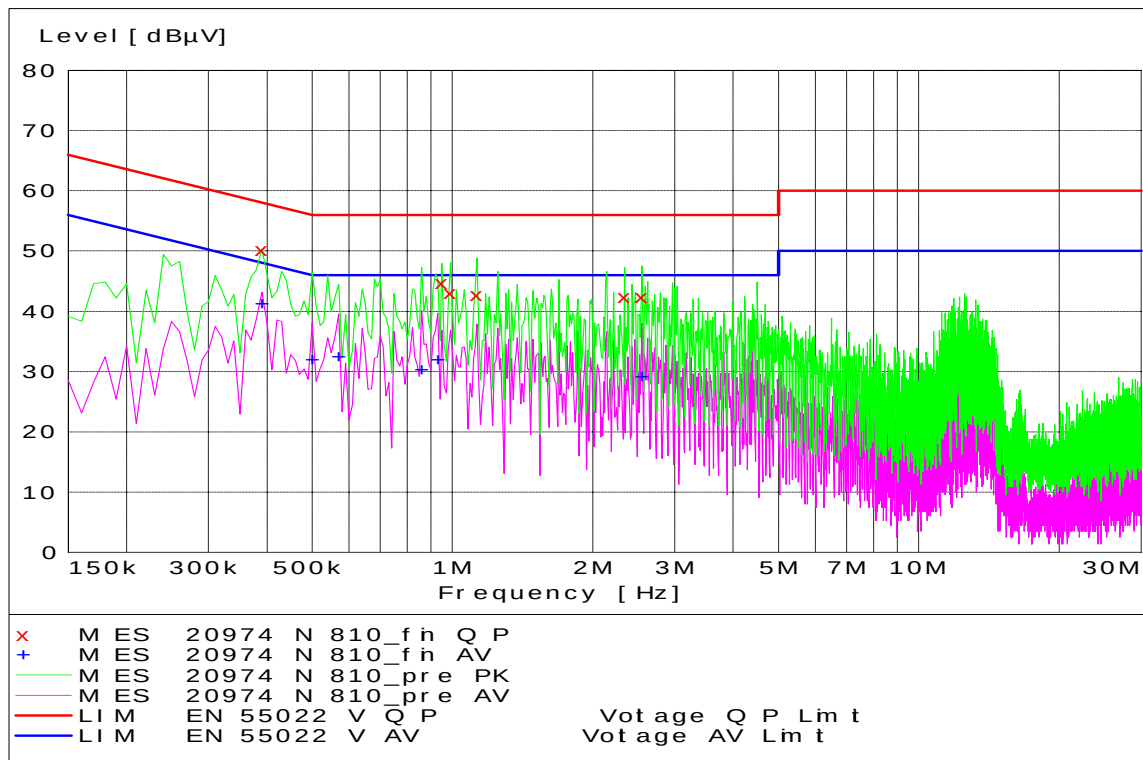
PCS Channel 661 - Tx Mode - Line Coupling



PCS Channel 661 - Tx Mode - Neutral Coupling



PCS Channel 810 - Tx Mode -Line



PCS Channel 810 - Tx Mode - Neutral Coupling

End of Test Report