



Nemko Test Report: 32381RUS2

Applicant: Andrew Corporation
620 N. Greenfield Parkway
Garner, NC 27529
USA

Equipment Under Test: MR8518/8518/1918/1918
(E.U.T.)

FCC Identifier: BCR-881919

In Accordance With: **CFR 47, Part 24, Subpart E**
Broadband PCS Repeaters

Tested By: Nemko USA, Inc.
802 N. Kealy
Lewisville, TX 75057-3136

TESTED BY:

A handwritten signature in black ink, appearing to read 'David Light', written over a horizontal line.

David Light, Senior Wireless Engineer

DATE: 21 August 2009

APPROVED BY:

A handwritten signature in blue ink, appearing to read 'Tom Tidwell', written over a horizontal line.

Tom Tidwell, Telecom Direct

DATE: 24 August 2009

Number of Pages: 61

Table of Contents

SECTION 1.	SUMMARY OF TEST RESULTS	3
SECTION 2.	GENERAL EQUIPMENT SPECIFICATION	5
SECTION 3.	RF POWER OUTPUT	7
SECTION 4.	OCCUPIED BANDWIDTH	8
SECTION 5.	SPURIOUS EMISSIONS AT ANTENNA TERMINALS	17
SECTION 6.	FIELD STRENGTH OF SPURIOUS	38
SECTION 7.	TEST EQUIPMENT LIST	51
ANNEX A - TEST DETAILS		52
ANNEX B - TEST DIAGRAMS		58

Section 1. Summary of Test Results

Manufacturer: Andrew Corporation
Model No.: MR8518/8518/1918/1918
Serial No.: 7579759

General: **All measurements are traceable to national standards.**

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with CFR 47, Part 24, Subpart E.



New Submission



Production Unit



Class II Permissive Change



Pre-Production Unit

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See "Summary of Test Data".



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Summary Of Test Data

NAME OF TEST	PARA. NO.	SPEC.	RESULT
RF Power Output	24.232	100W	Complies
Occupied Bandwidth	2.1049	Input/Output	Complies
Spurious Emissions at Antenna Terminals	24.238(a)	-13 dBm	Complies
Field Strength of Spurious Emissions	24.238(a)	-13 dBm E.I.R.P.	Complies
Frequency Stability	24.235		NA

Footnotes:

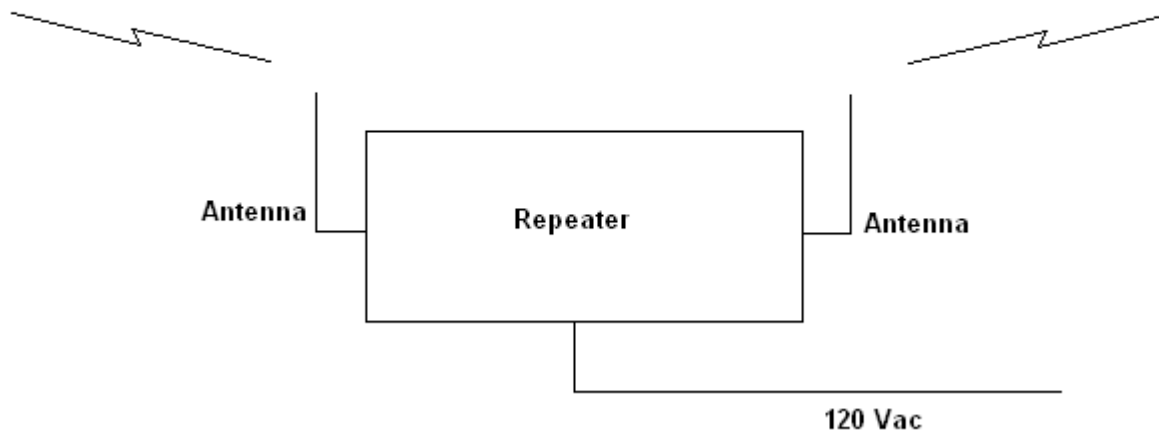
Section 2. General Equipment Specification

Supply Voltage Input:	120 Vac		
Frequency Range:	Downlink:	1930 to 1990 MHz*	
Frequency Range:	Uplink:	1850 to 1910 MHz*	
Type of Modulation and Designator:	CDMA (F9W)	GSM (GXW)	EDGE (G7W) W-CDMA (F9W)
Output Impedance:	50 ohms		
RF Output (Rated):	Downlink	18 dBm (63.1 mW)	
RF Output (Rated):	Uplink	18 dBm (63.1 mW)	
Frequency Translation:	F1-F1 ☐	F1-F2 ☐	N/A ☒
Band Selection:	Software ☒	Duplexer Change ☐	Fullband Coverage ☐

* Band employs two variable bandwidth filters adjustable from 200 kHz to 25 MHz

Description of EUT

The miniRepeaters are bi-directional amplifiers used to enhance signals between a mobile and a base station in a wireless network. They have been designed to increase signal strength in small and medium sized areas such as offices, shops, basements and manufacturing facilities. They are dual band coverage of the 850 cell band and 1900 PCS band.

System Diagram

Section 3. RF Power Output

NAME OF TEST: RF Power Output	PARA. NO.: 24.232
TESTED BY: David Light	DATE: 20 August 2009

Test Results: Complies.**Measurement Data:**

Direction	Modulation	Output per Channel (dBm)	Composite Power (dBm)	Composite Power (W)
Uplink	CDMA	15	18	63.1
Downlink	CDMA	15	18	63.1
Uplink	EDGE	15	18	63.1
Downlink	EDGE	15	18	63.1
Uplink	GSM	15	18	63.1
Downlink	GSM	15	18	63.1
Uplink	W-CDMA	15	18	63.1
Downlink	W-CDMA	15	18	63.1

Equipment Used: 1036-1082-1472**Measurement Uncertainty:** +/- 1.7 dB**Temperature:** 22 °C**Relative Humidity:** 30 %

Section 4. Occupied Bandwidth

NAME OF TEST: Occupied Bandwidth	PARA. NO.: 24.238
TESTED BY: David Light	DATE: 20 August 2009

Test Results: Complies.

Test Data: See attached plot(s).

Equipment Used: 1036-1082-1472

Measurement Uncertainty: 1X10⁻⁷ ppm

Temperature: 22 °C

Relative Humidity: 30 %

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

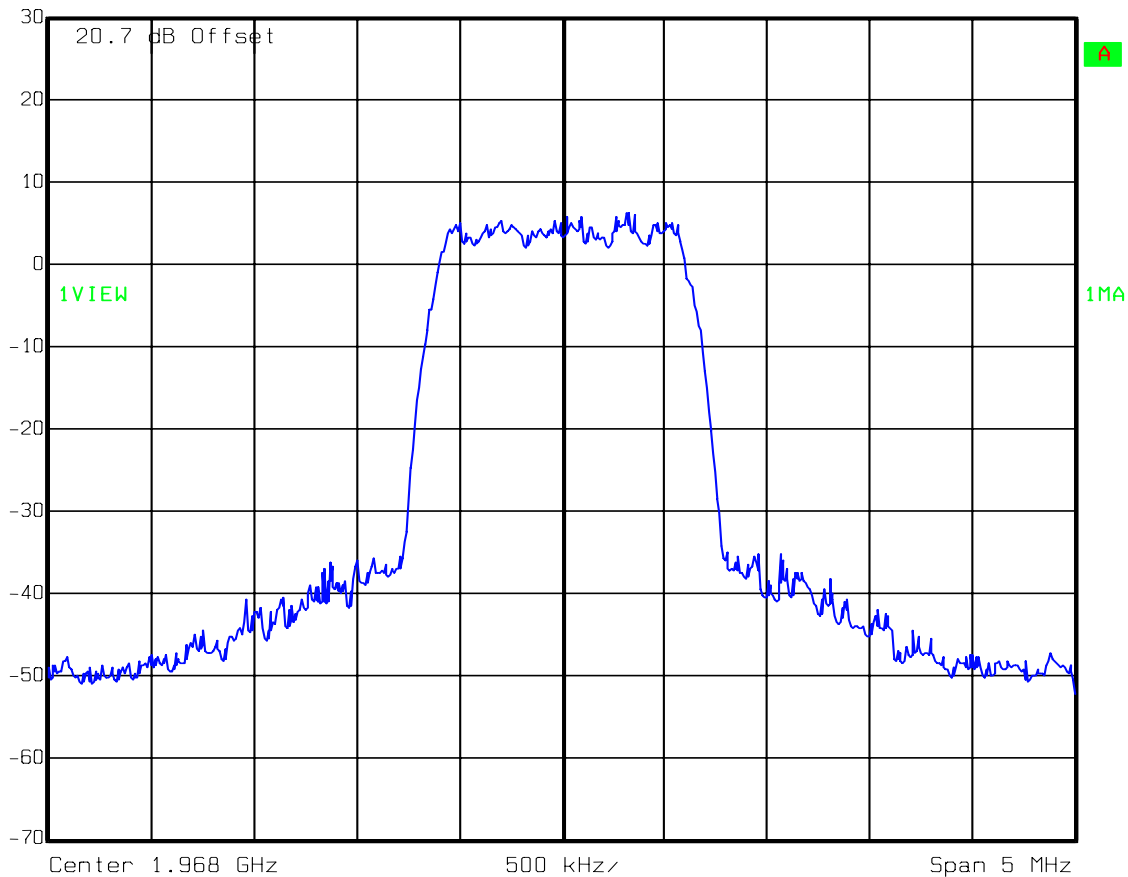
CDMA - Output

Downlink



Ref Lvl
30 dBm

RBW	30 kHz	RF Att	20 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	14 ms	Unit	dBm



Date: 20.AUG.2009 09:03:02

EQUIPMENT: MR8518/8518/1918/1918

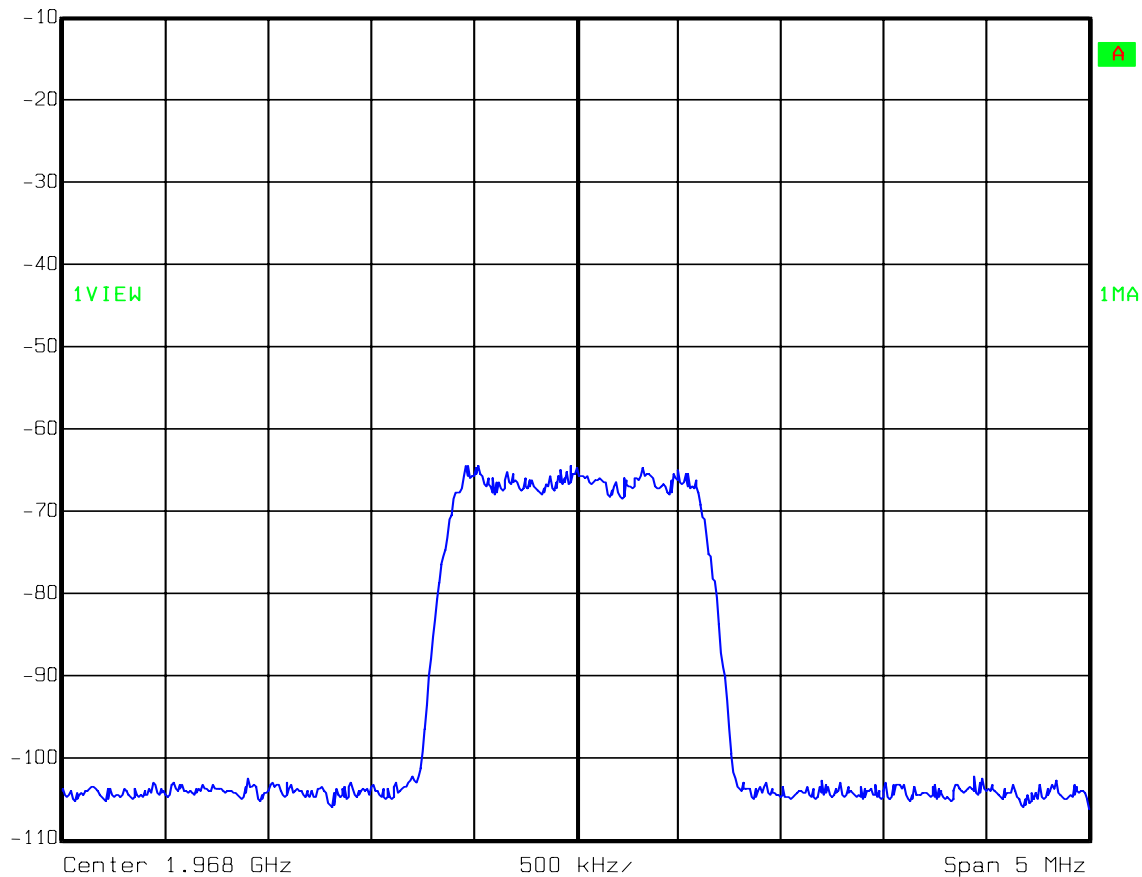
Test Data – Occupied Bandwidth

CDMA - Input
Downlink



Ref Lvl
-10 dBm

RBW	30 kHz	RF Att	0 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	14 ms	Unit	dBm



Date: 20.AUG.2009 09:26:00

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

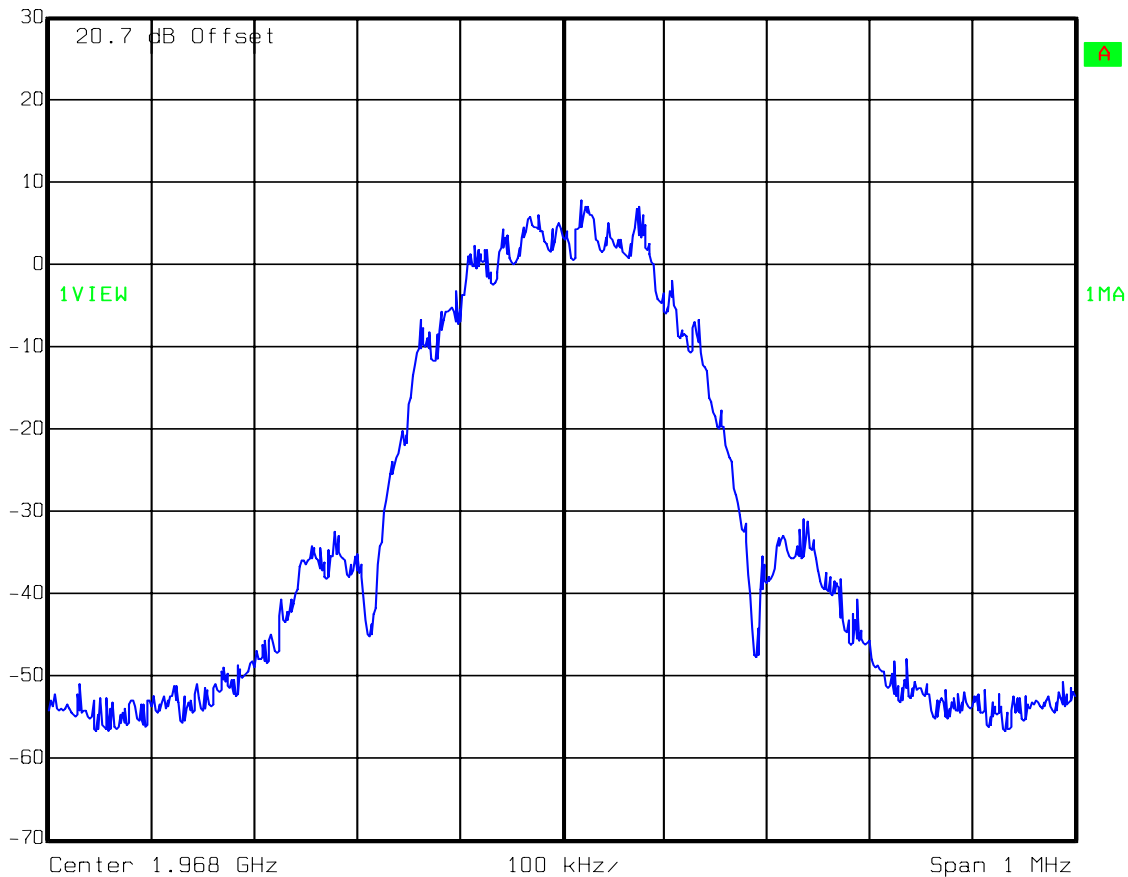
EDGE - Output

Downlink



Ref Lvl
30 dBm

RBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 280 ms Unit dBm



Date: 20.AUG.2009 08:50:33

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

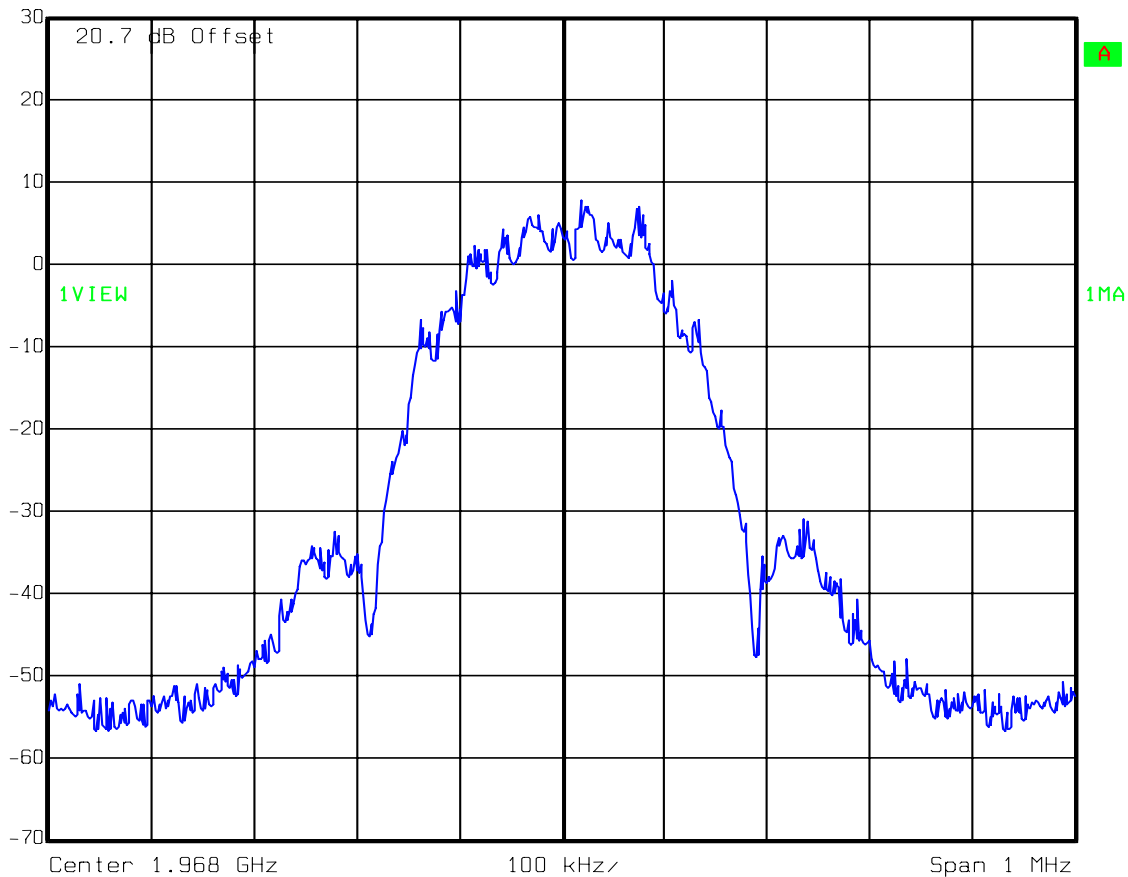
EDGE - Input

Downlink



Ref Lvl
30 dBm

RBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 280 ms Unit dBm

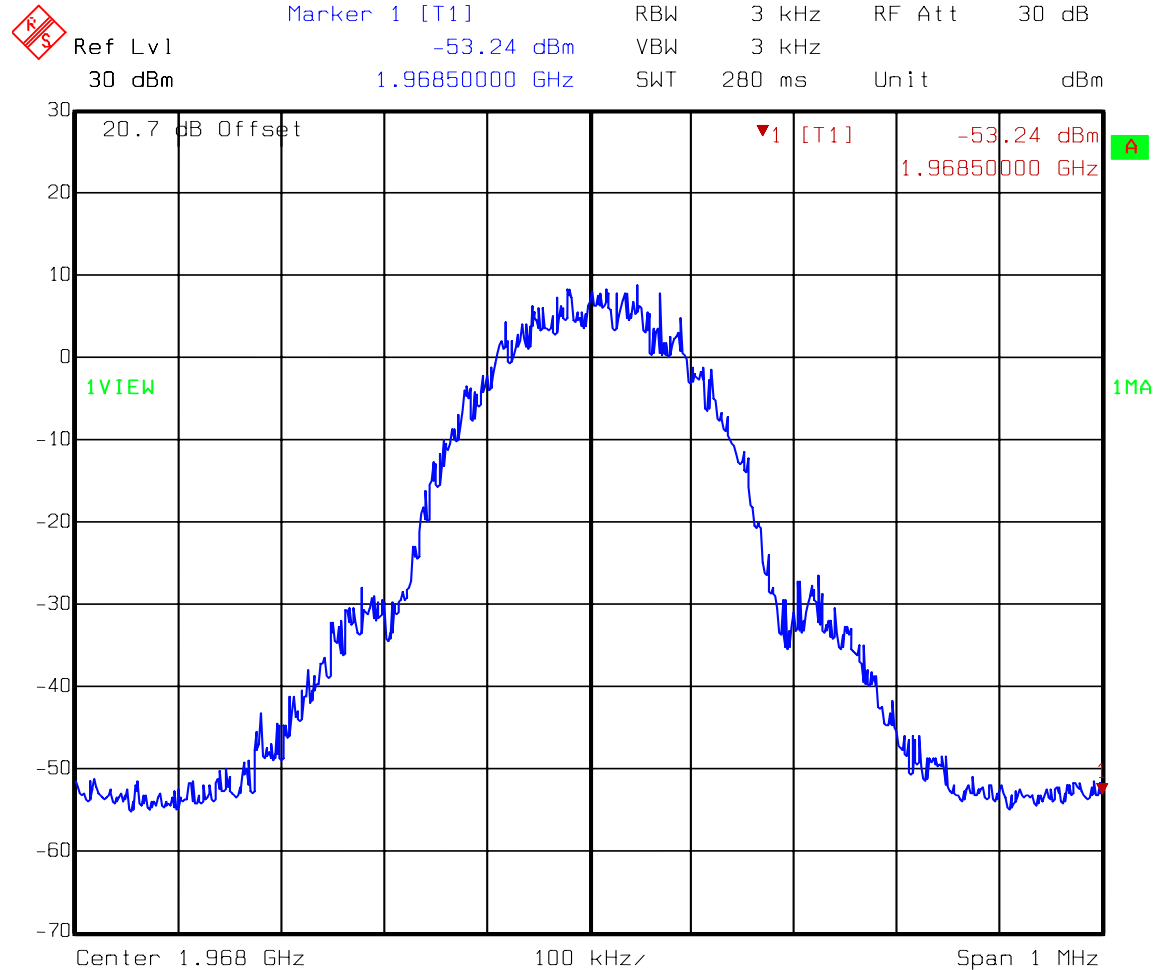


Date: 20.AUG.2009 08:50:33

Test Data – Occupied Bandwidth

GSM - Output

Downlink



Date: 20.AUG.2009 08:42:58

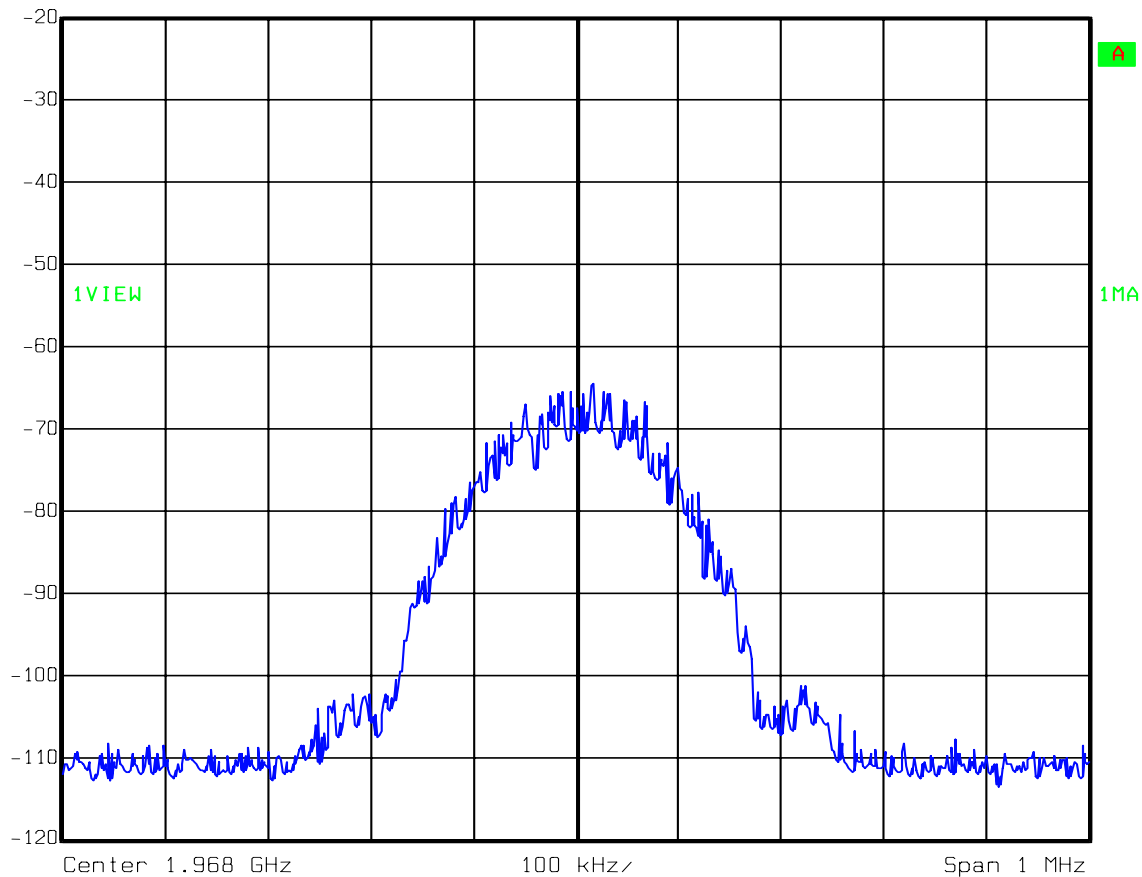
Test Data – Occupied Bandwidth

GSM - Input
Downlink



Ref Lvl
-20 dBm

RBW	3 kHz	RF Att	0 dB
VBW	3 kHz	Mixer	-10 dBm
SWT	280 ms	Unit	dBm



Date: 20.AUG.2009 09:27:58

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

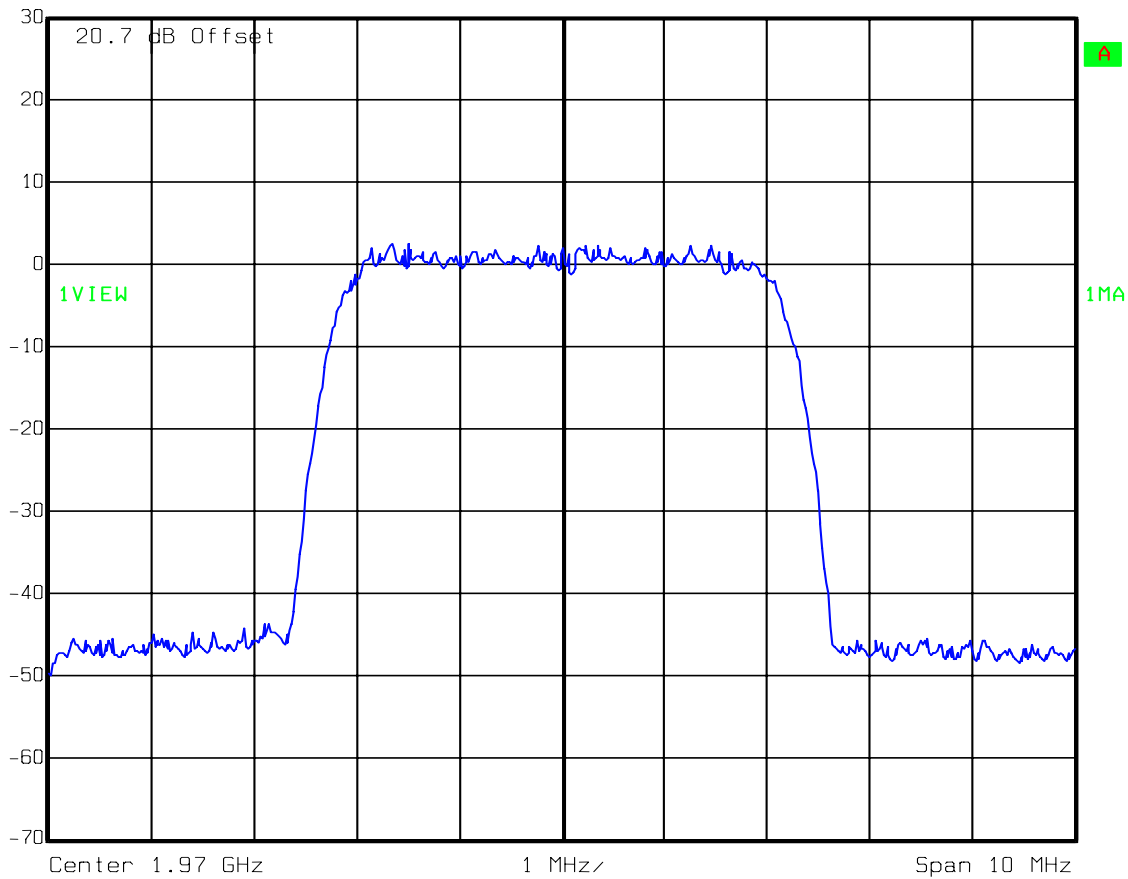
W-CDMA - Output

Downlink



Ref Lvl
30 dBm

RBW	50 kHz	RF Att	20 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	10 ms	Unit	dBm



Date: 20.AUG.2009 09:13:42

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

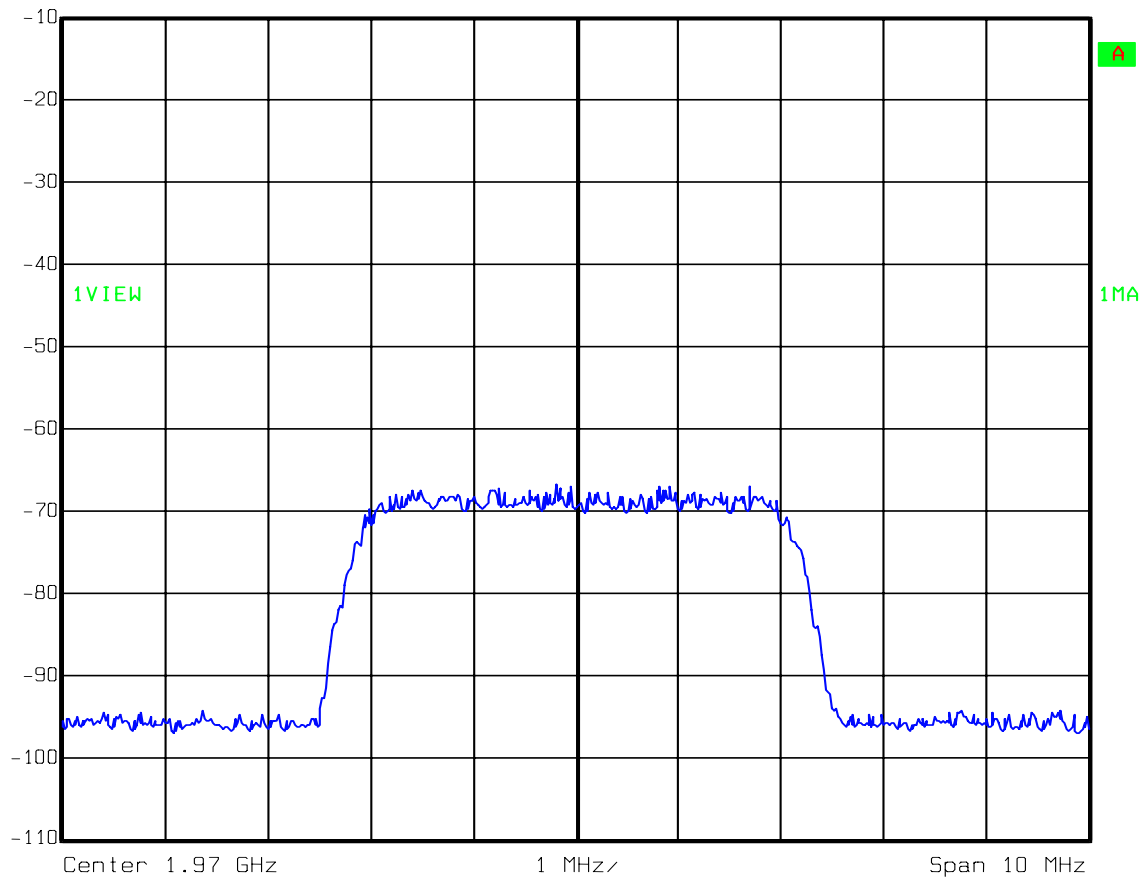
W-CDMA - Input

Downlink



Ref Lvl
-10 dBm

RBW	50 kHz	RF Att	0 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	10 ms	Unit	dBm



Date: 20.AUG.2009 09:24:45

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

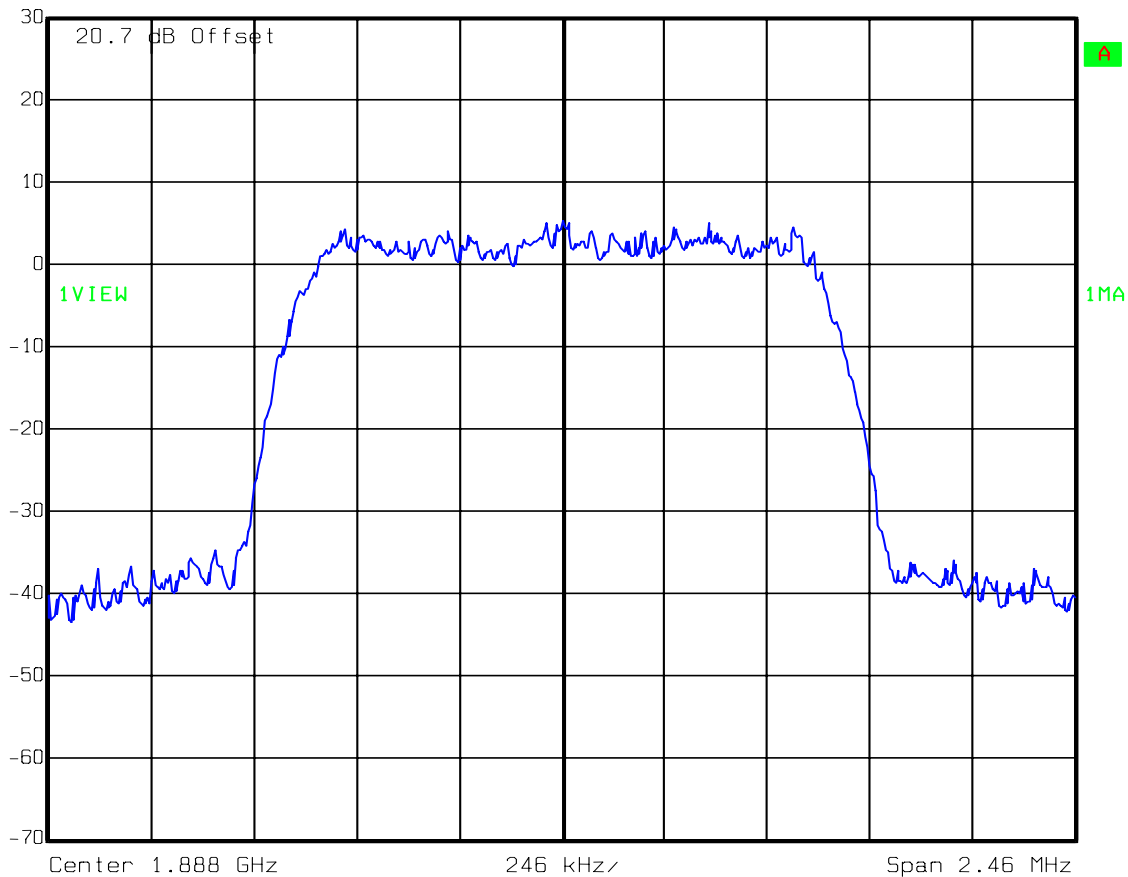
CDMA - Output

Uplink



Ref Lvl
30 dBm

RBW	30 kHz	RF Att	20 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	7 ms	Unit	dBm



Date: 20.AUG.2009 10:23:06

Test Data – Occupied Bandwidth

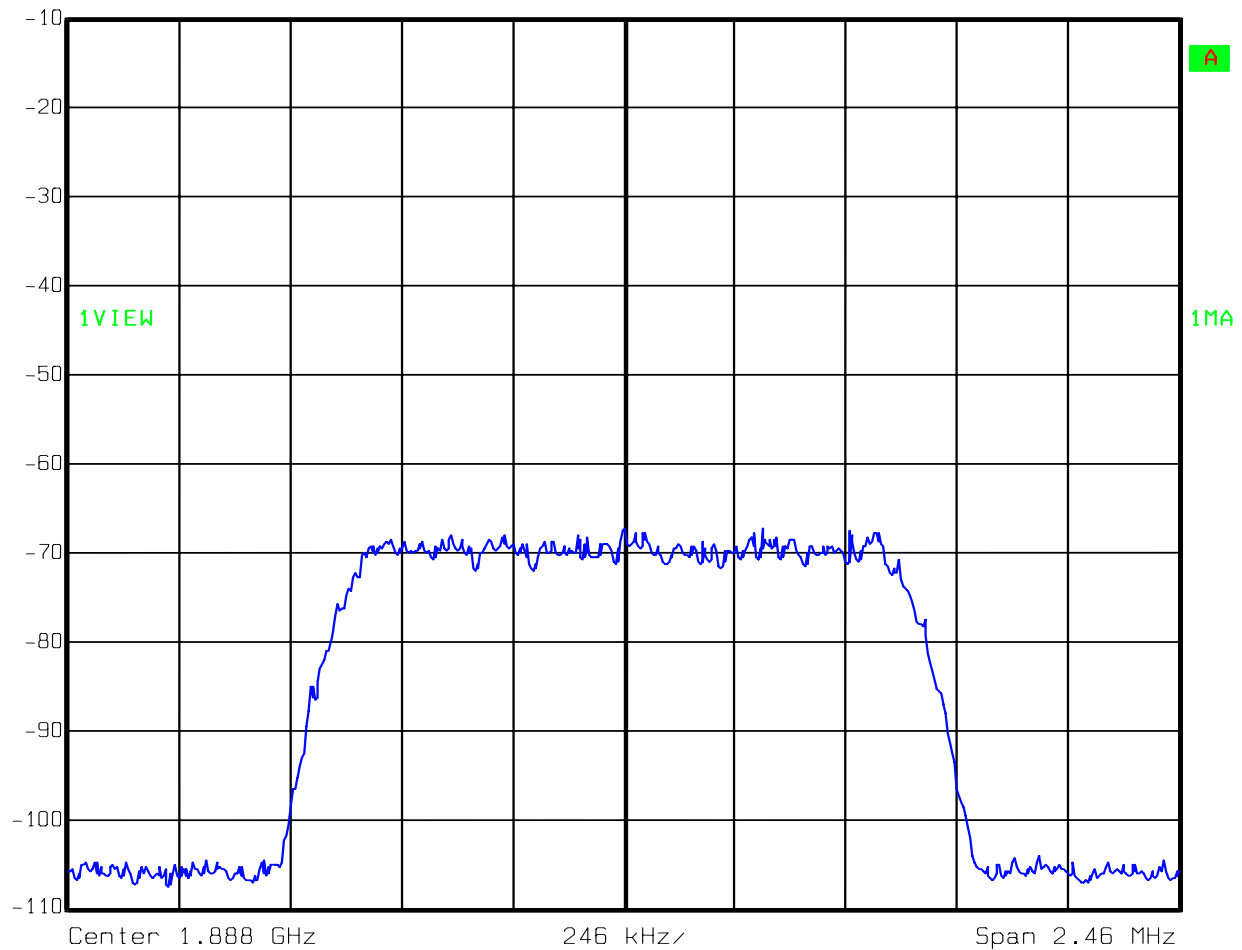
CDMA - Input

Uplink



Ref Lvl
-10 dBm

RBW	30 kHz	RF Att	0 dB
VBW	30 kHz		
SWT	7 ms	Unit	dBm



Date: 27.AUG.2009 08:54:39

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

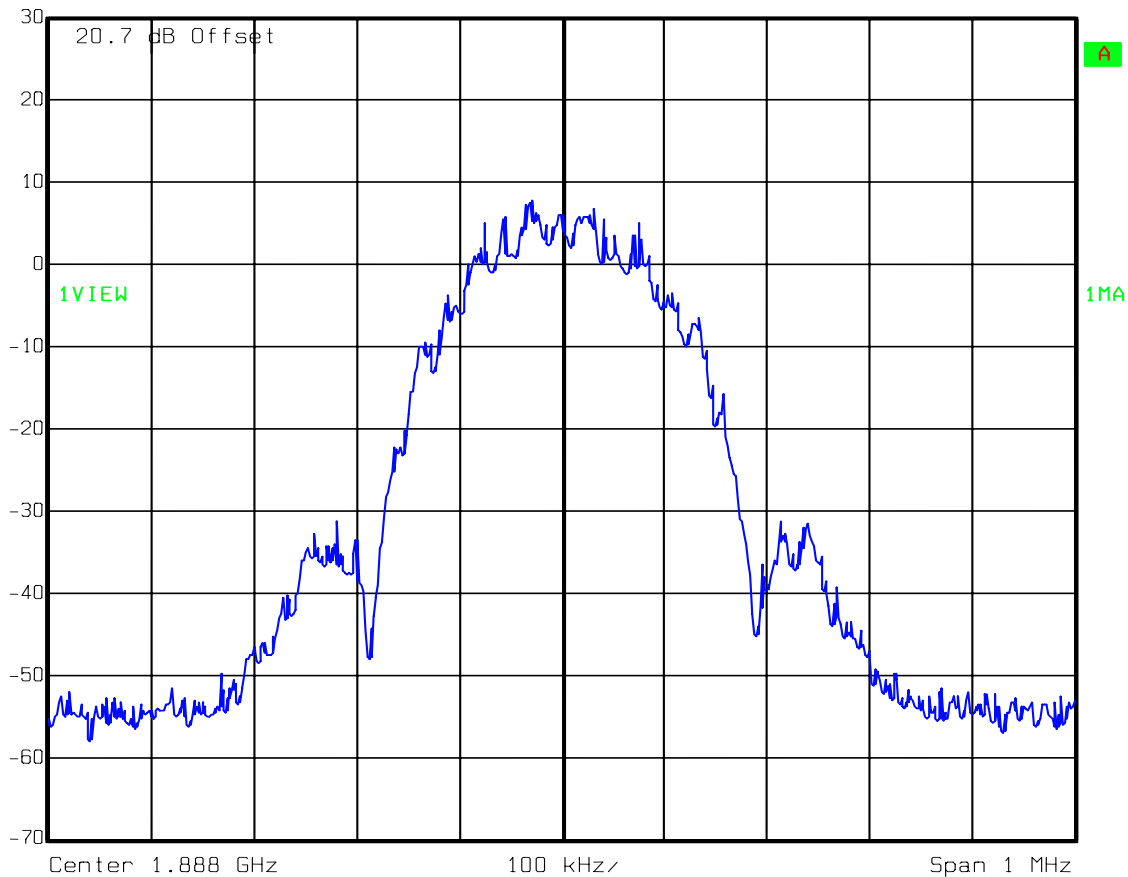
EDGE - Output

Uplink



Ref Lvl
30 dBm

RBW	3 kHz	RF Att	30 dB
VBW	3 kHz		
SWT	280 ms	Unit	dBm



Date: 20.AUG.2009 10:17:09

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

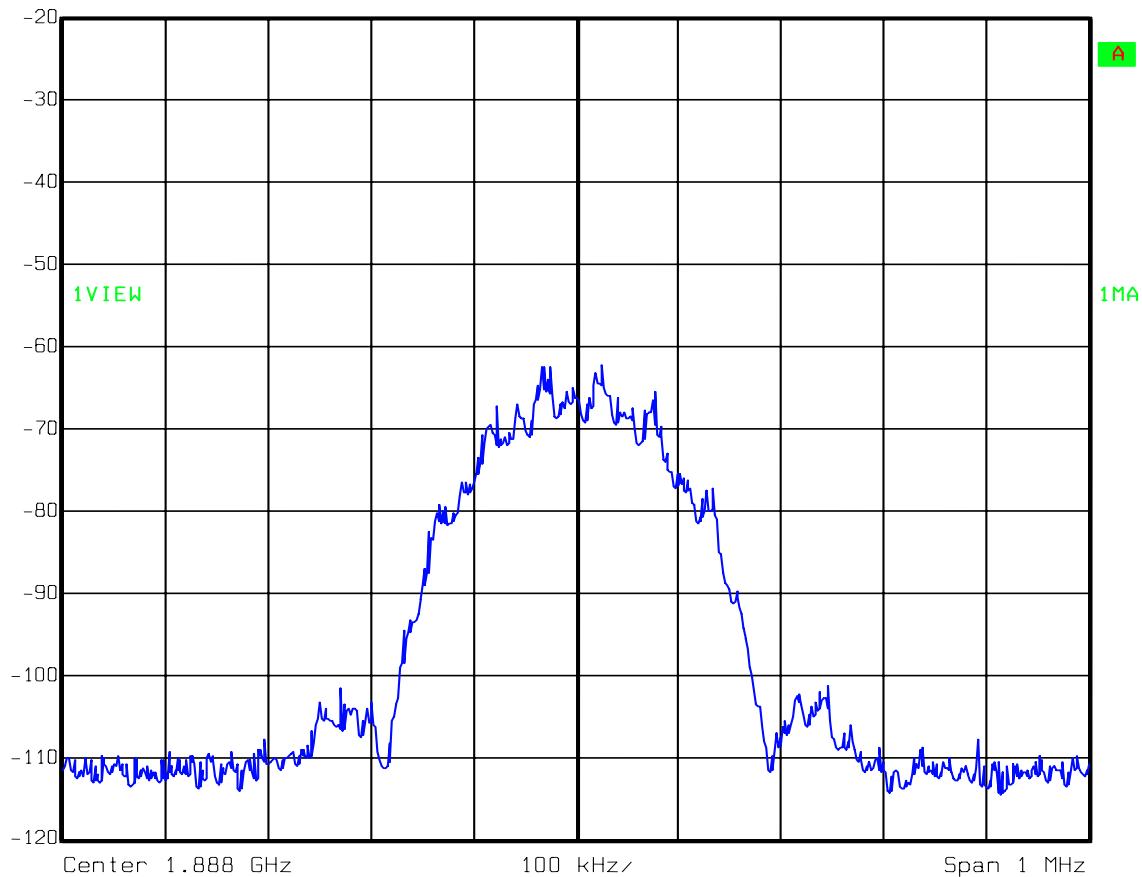
EDGE - Input

Uplink



Ref Lvl
-20 dBm

RBW	3 kHz	RF Att	0 dB
VBW	3 kHz	Mixer	-10 dBm
SWT	280 ms	Unit	dBm



Date: 20.AUG.2009 10:35:27

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

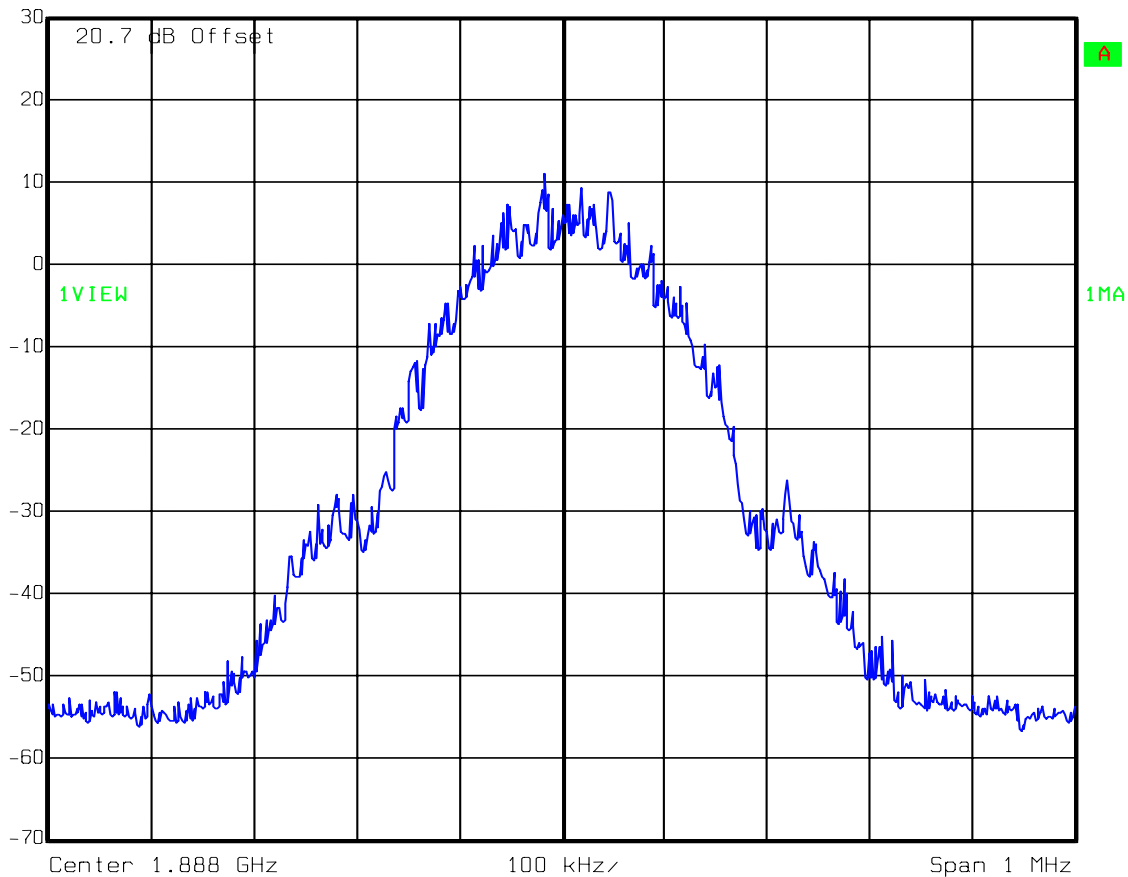
GSM - Output

Uplink



Ref Lvl
30 dBm

RBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 280 ms Unit dBm



Date: 20.AUG.2009 10:13:00

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

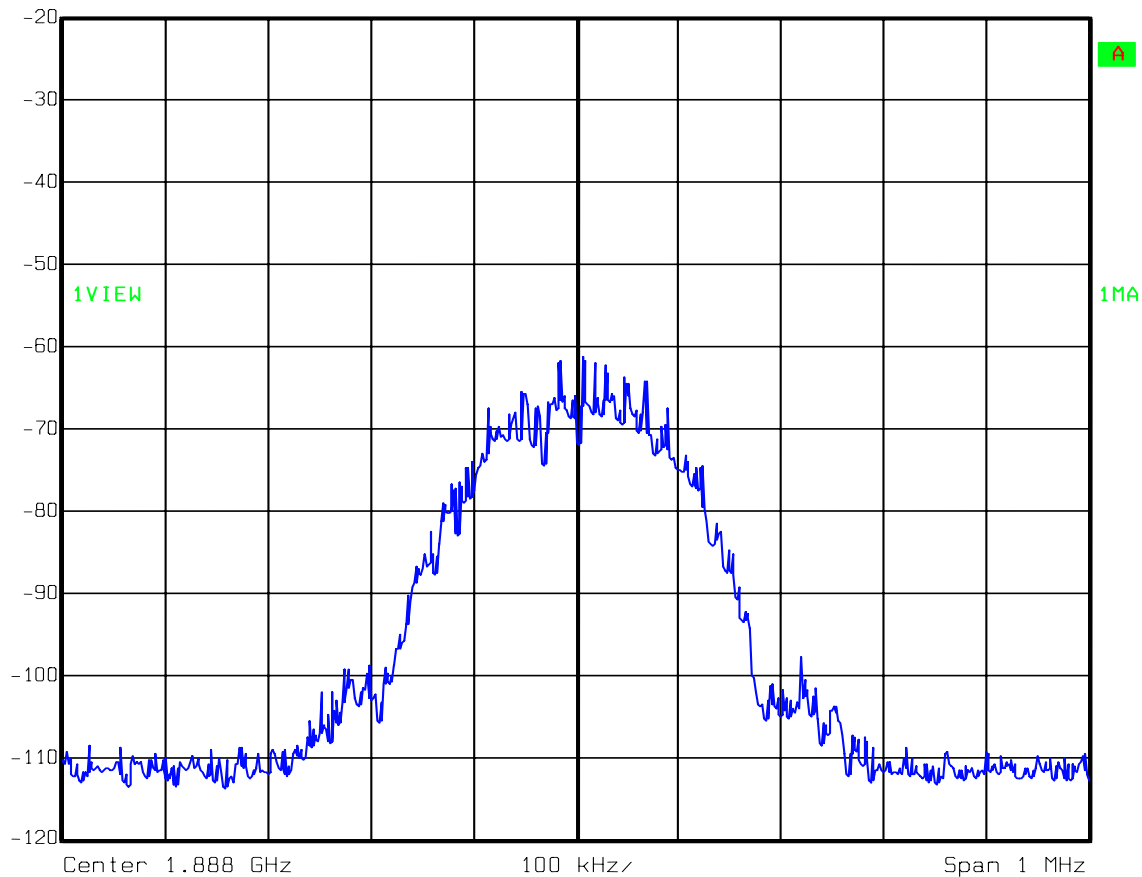
GSM - Input

Uplink



Ref Lvl
-20 dBm

RBW	3 kHz	RF Att	0 dB
VBW	3 kHz	Mixer	-10 dBm
SWT	280 ms	Unit	dBm



Date: 20.AUG.2009 10:36:09

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

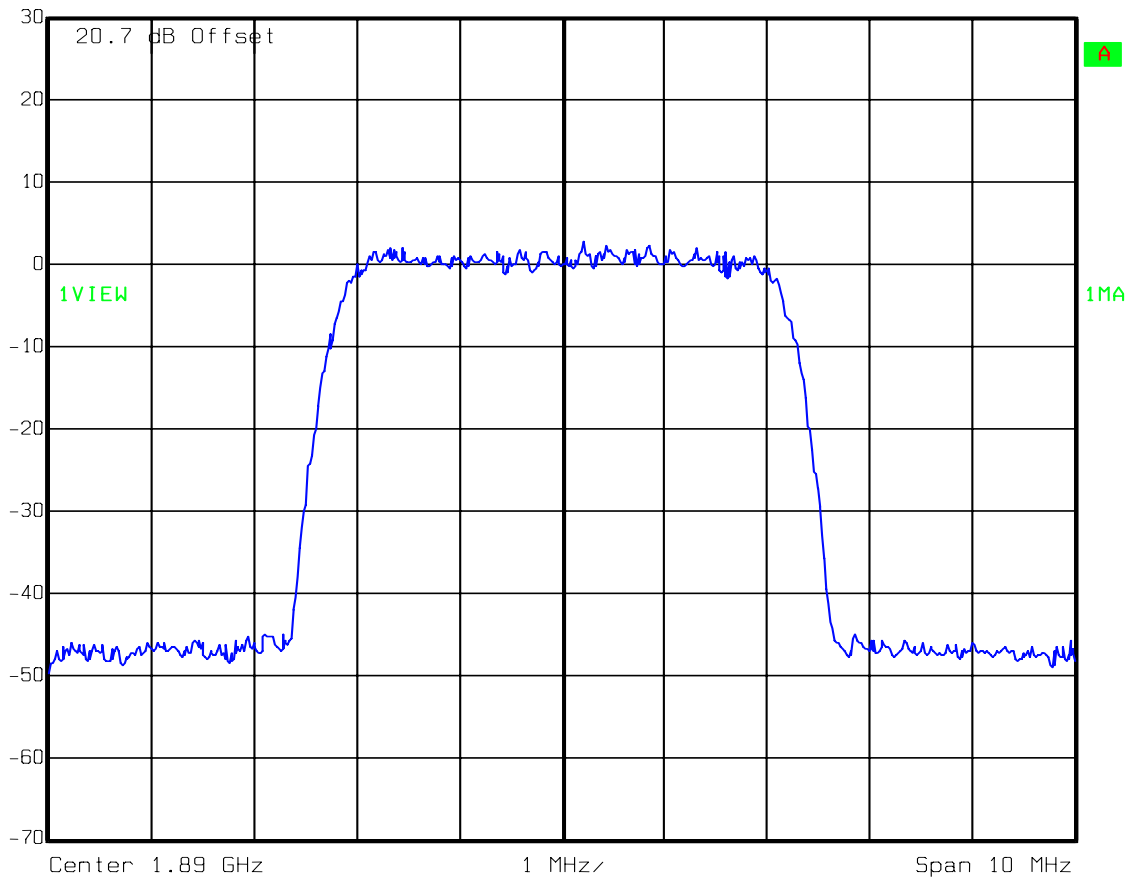
W-CDMA - Output

Uplink



Ref Lvl
30 dBm

RBW	50 kHz	RF Att	20 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	10 ms	Unit	dBm



Date: 20.AUG.2009 10:31:02

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Occupied Bandwidth

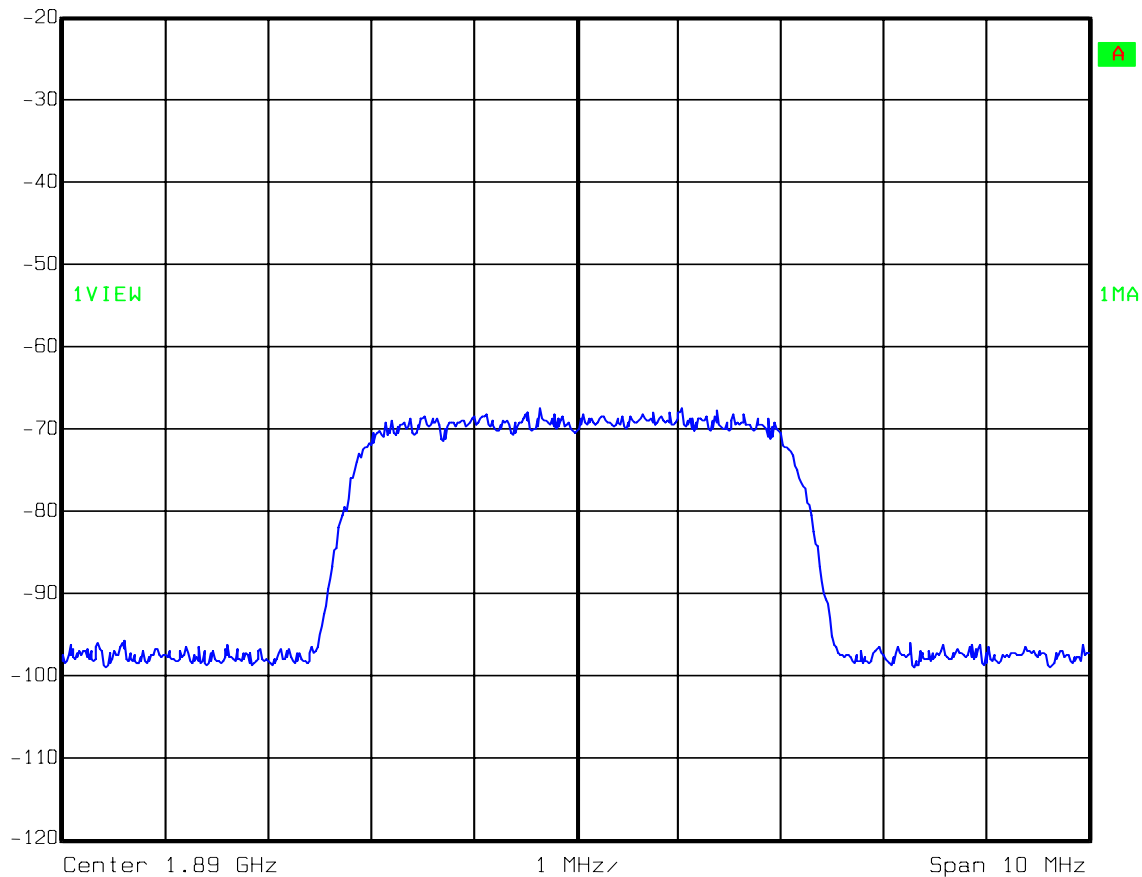
W-CDMA - Input

Uplink



Ref Lvl
-20 dBm

RBW	50 kHz	RF Att	0 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	10 ms	Unit	dBm



Date: 20.AUG.2009 10:33:30

Section 5. Spurious Emissions at Antenna Terminals

NAME OF TEST: Spurious Emissions @ Antenna Terminals	PARA. NO.: 24.238
TESTED BY: David Light	DATE: 20 August 09

Test Results: Complies.

Test Data: See attached plot(s).

Equipment Used: 1036-1082-1472

Measurement Uncertainty: +/- 1.7 dB

Temperature: 22 °C

Relative Humidity: 32 %

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

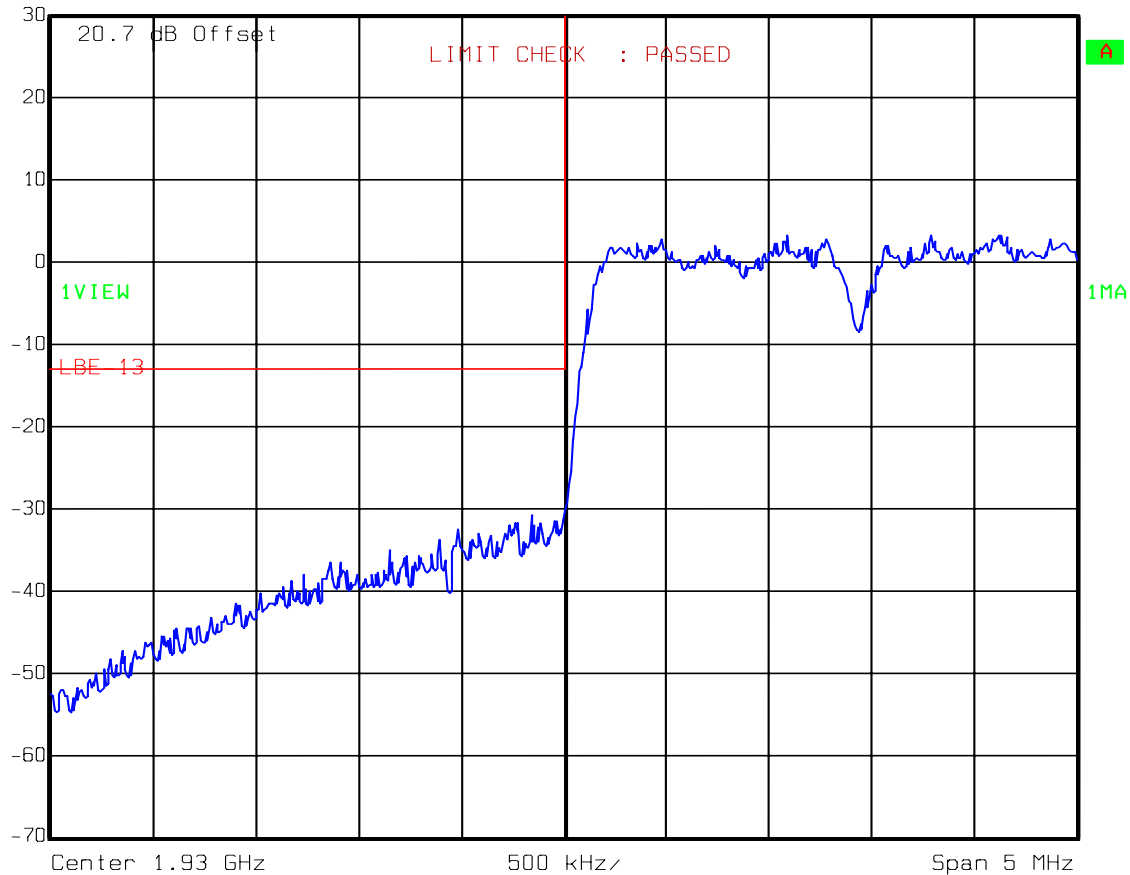
Lower Bandedge Intermodulation

CDMA

Downlink

Ref Lvl
30 dBm

RBW	30 kHz	RF Att	20 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	14 ms	Unit	dBm



Date: 20.AUG.2009 08:58:45

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

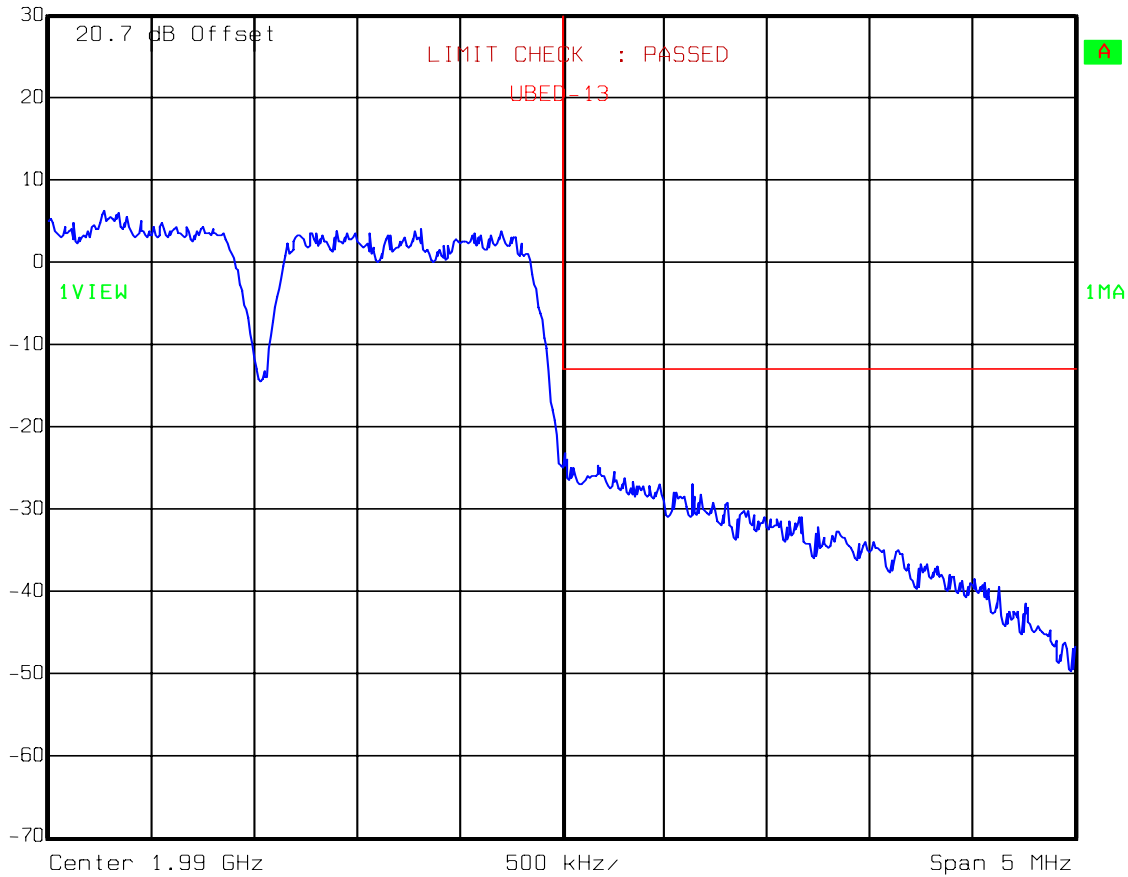
CDMA

Downlink



Ref Lvl
30 dBm

RBW	30 kHz	RF Att	20 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	14 ms	Unit	dBm



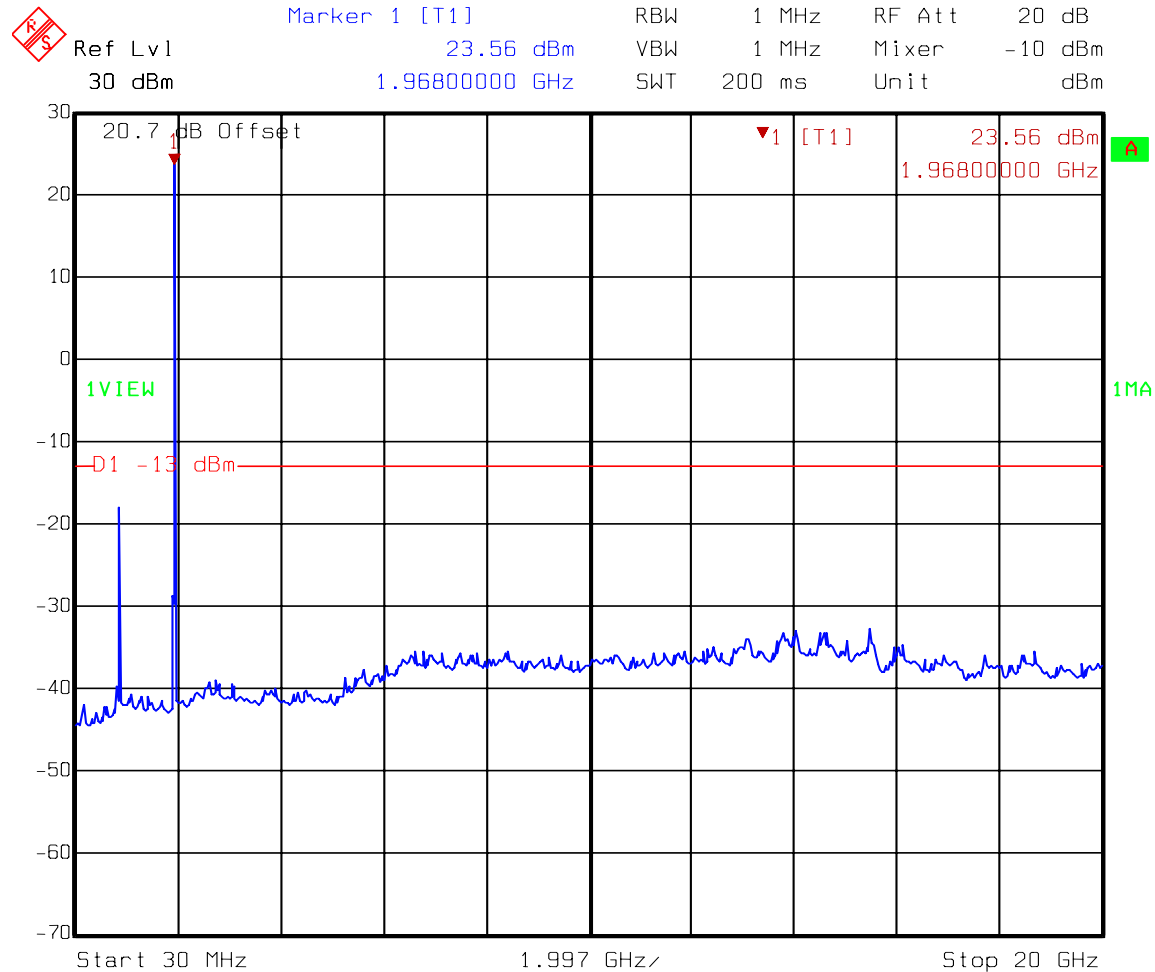
Date: 20.AUG.2009 08:59:58

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – CDMA

Downlink



Date: 20.AUG.2009 09:03:47

Test Data – Spurious Emissions at Antenna Terminals

Lower Bandedge Intermodulation

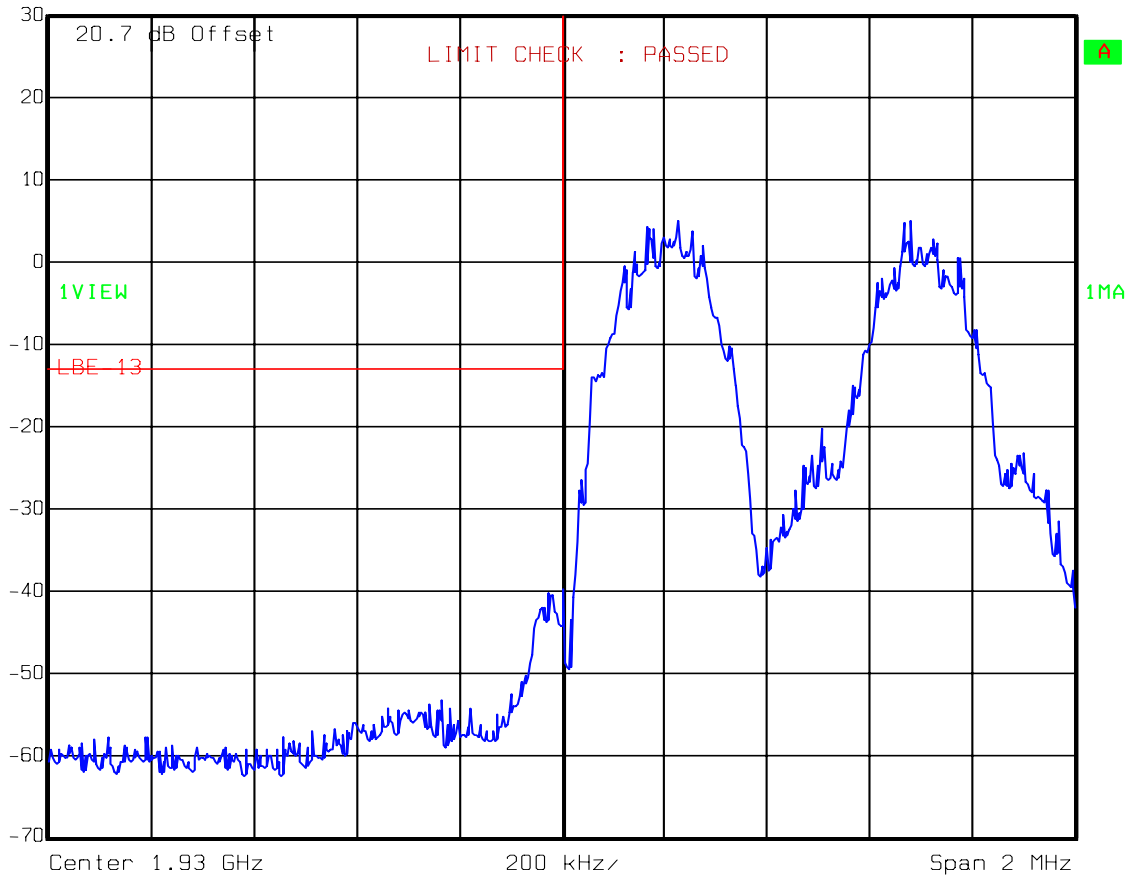
EDGE

Downlink



Ref Lvl
30 dBm

RBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 560 ms Unit dBm



Date: 20.AUG.2009 08:47:31

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

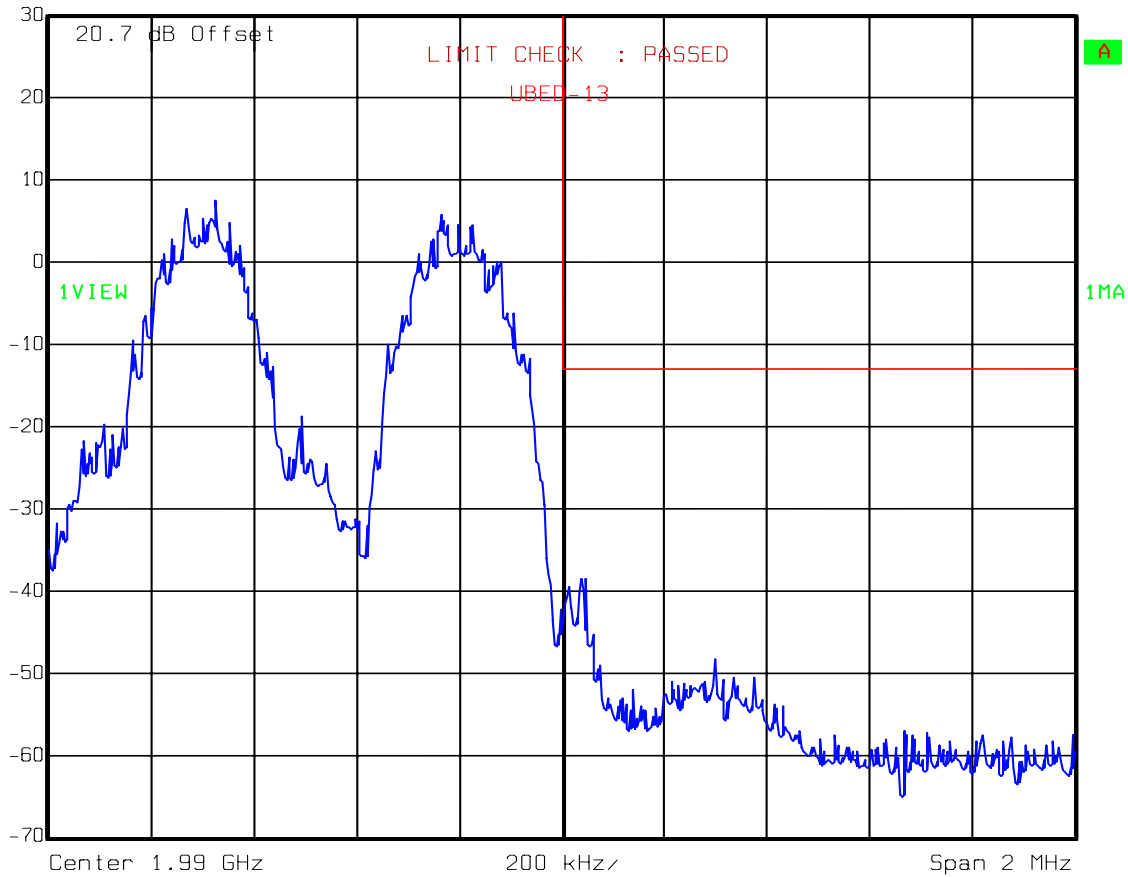
EDGE

Downlink



Ref Lvl
30 dBm

RBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 560 ms Unit dBm



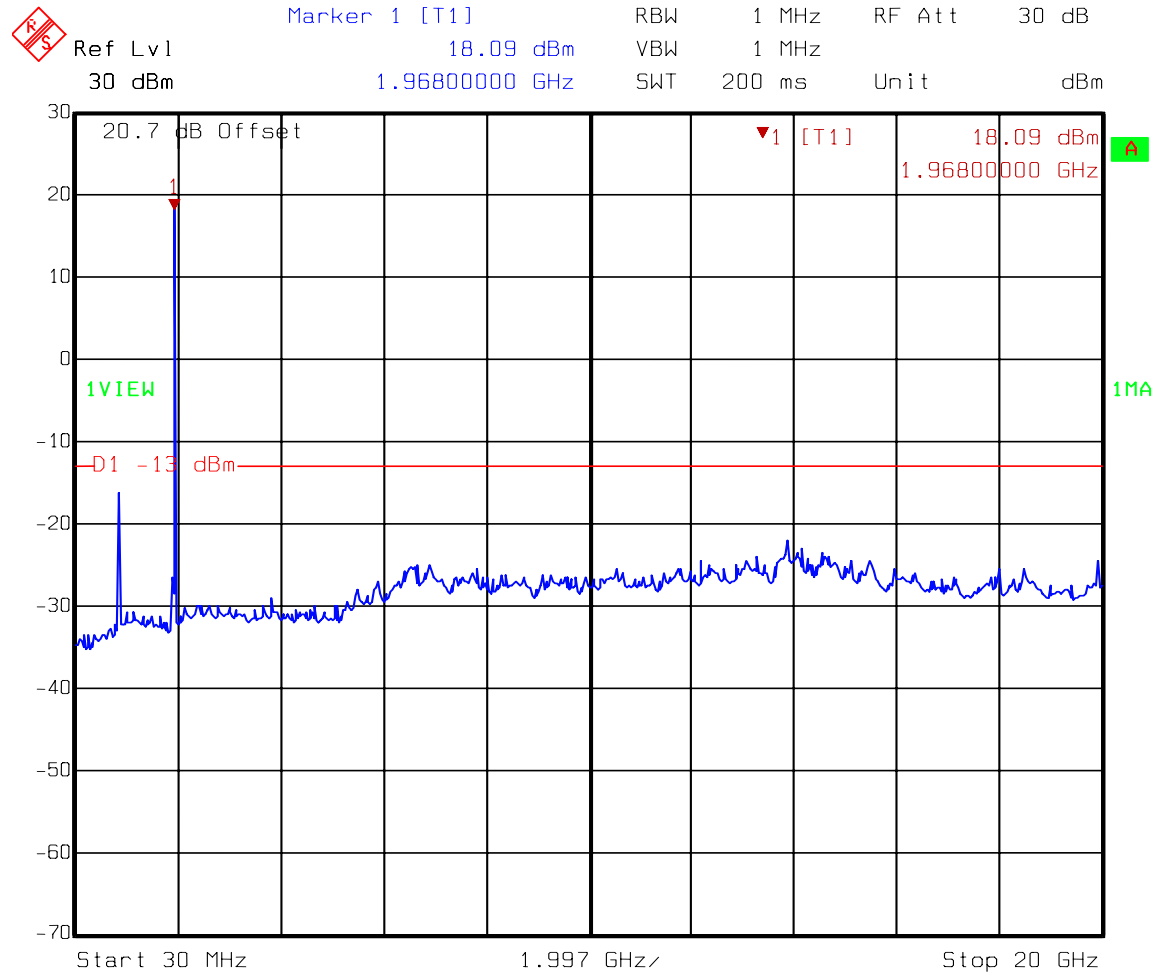
Date: 20.AUG.2009 08:48:34

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – EDGE

Downlink



Date: 20.AUG.2009 08:51:10

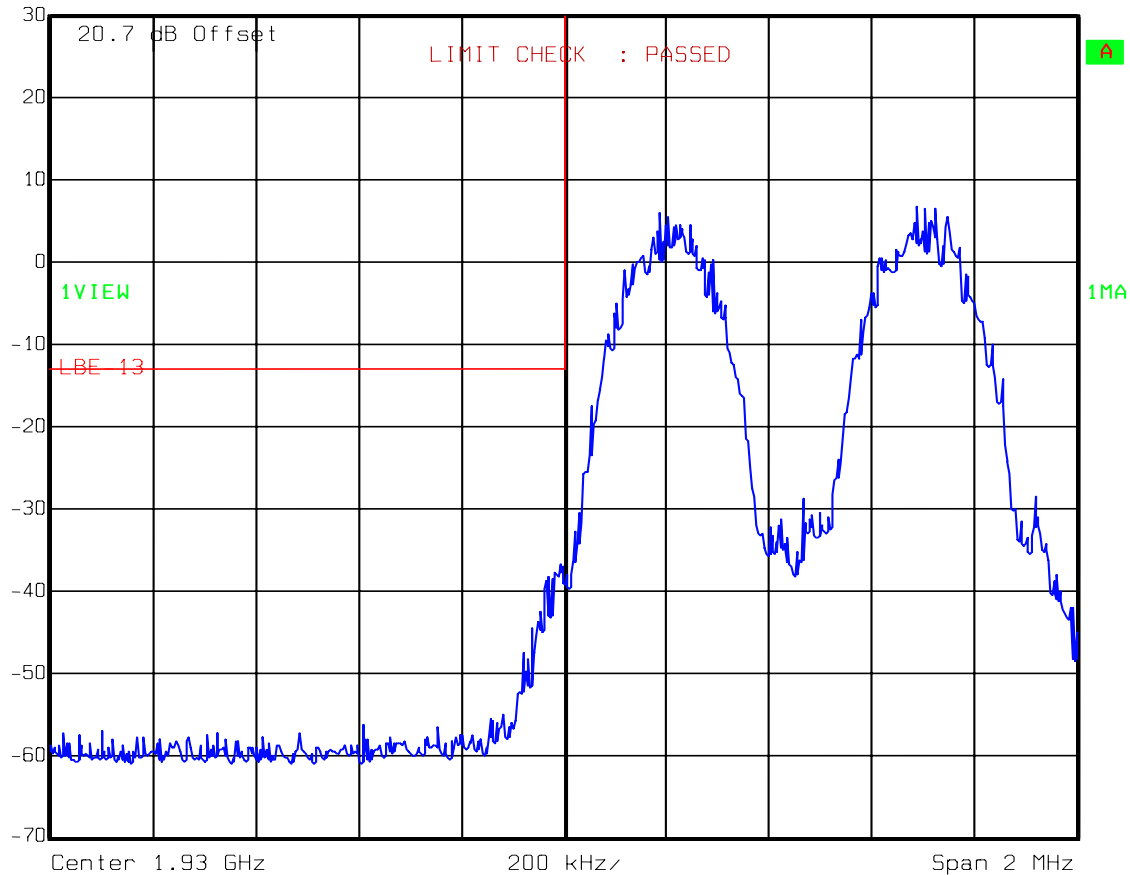
EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Lower Bandedge Intermodulation

GSM

Downlink

Ref Lvl
30 dBmRBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 560 ms Unit dBm

Date: 20.AUG.2009 08:38:04

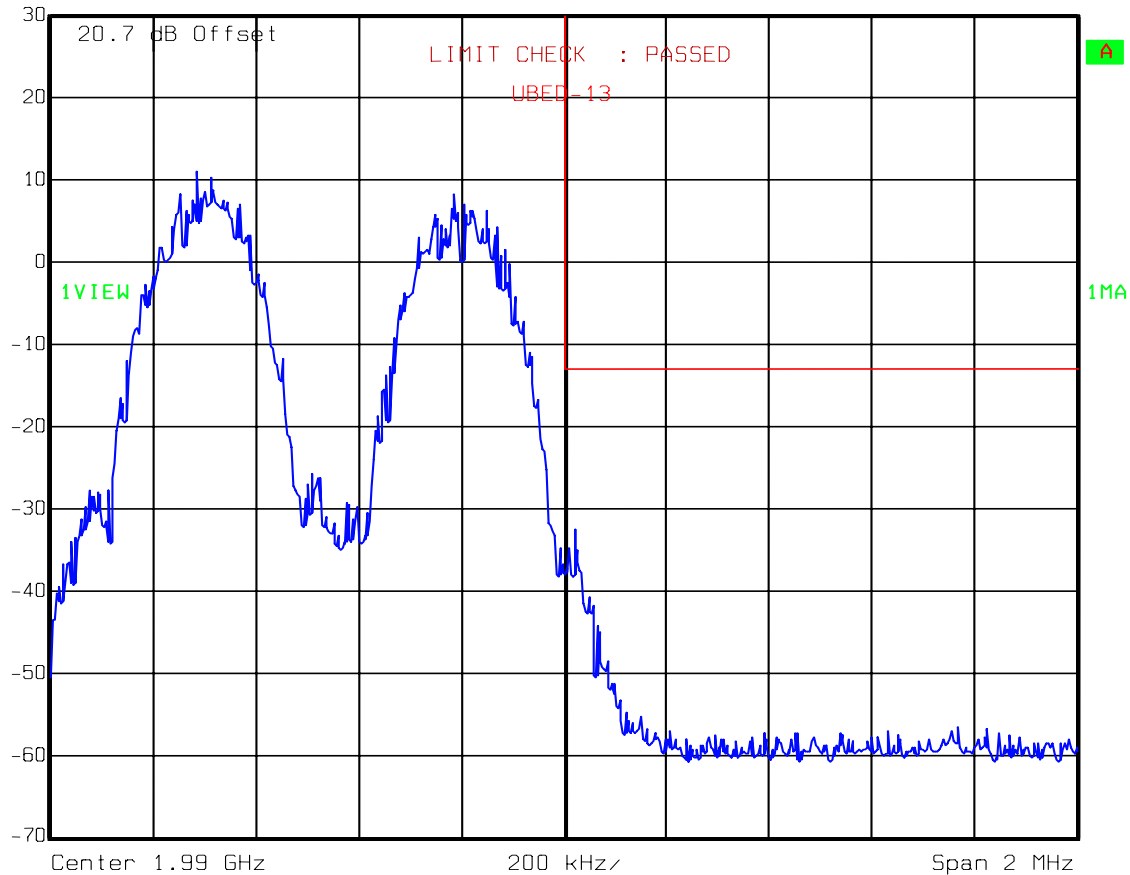
EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

GSM

Downlink

Ref Lvl
30 dBmRBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 560 ms Unit dBm

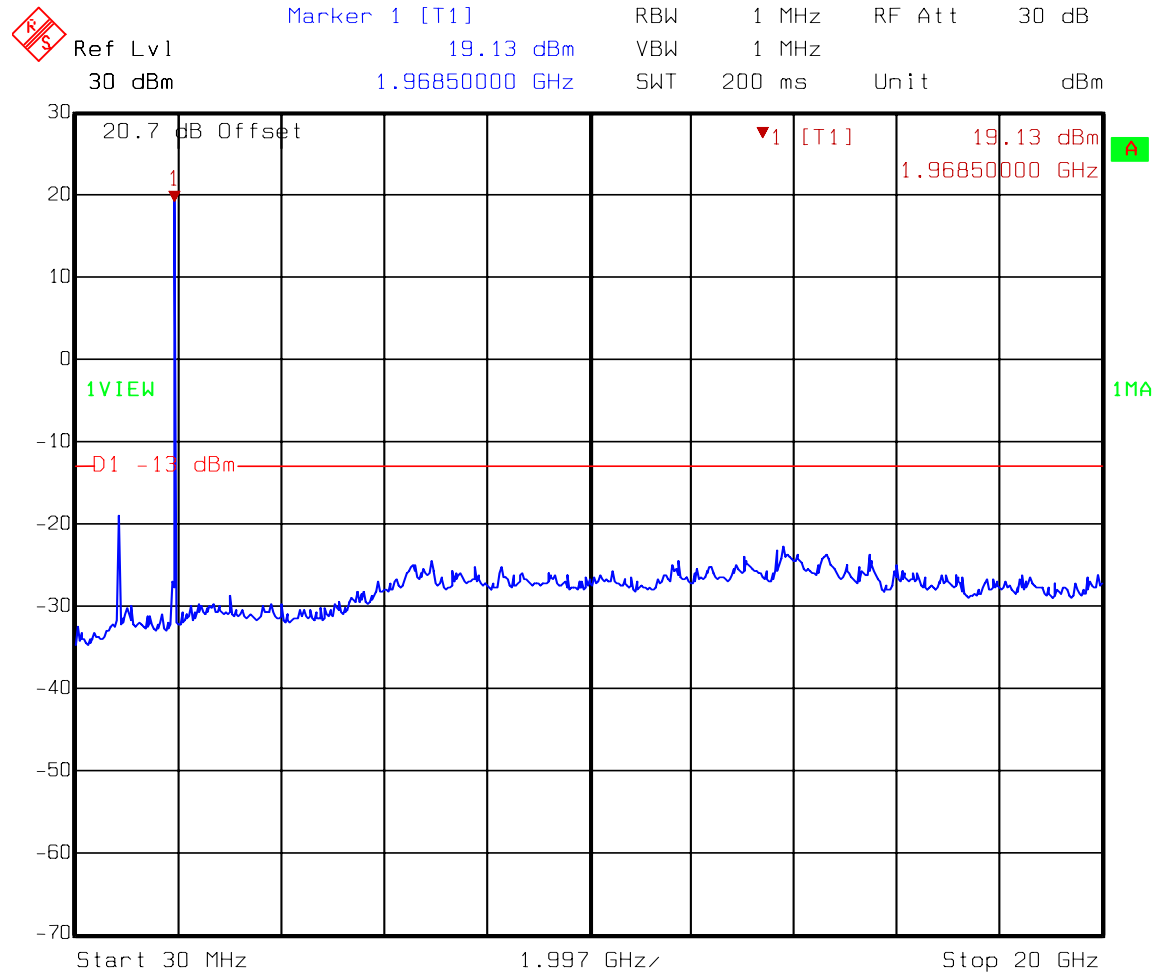
Date: 20.AUG.2009 08:39:41

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – GSM

Downlink



Date: 20.AUG.2009 08:44:13

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

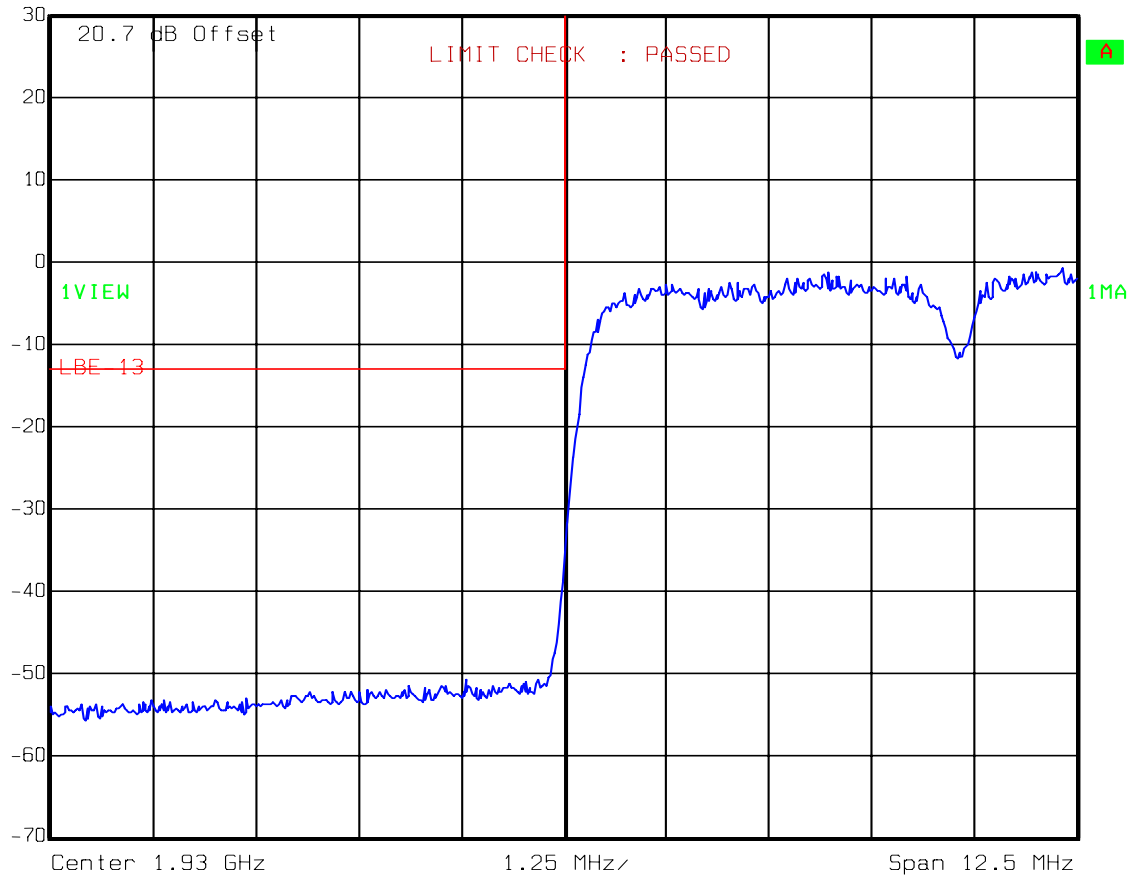
Lower Bandedge Intermodulation

W-CDMA

Downlink

Ref Lvl
30 dBm

RBW	50 kHz	RF Att	20 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	12.5 ms	Unit	dBm



Date: 20.AUG.2009 09:17:19

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

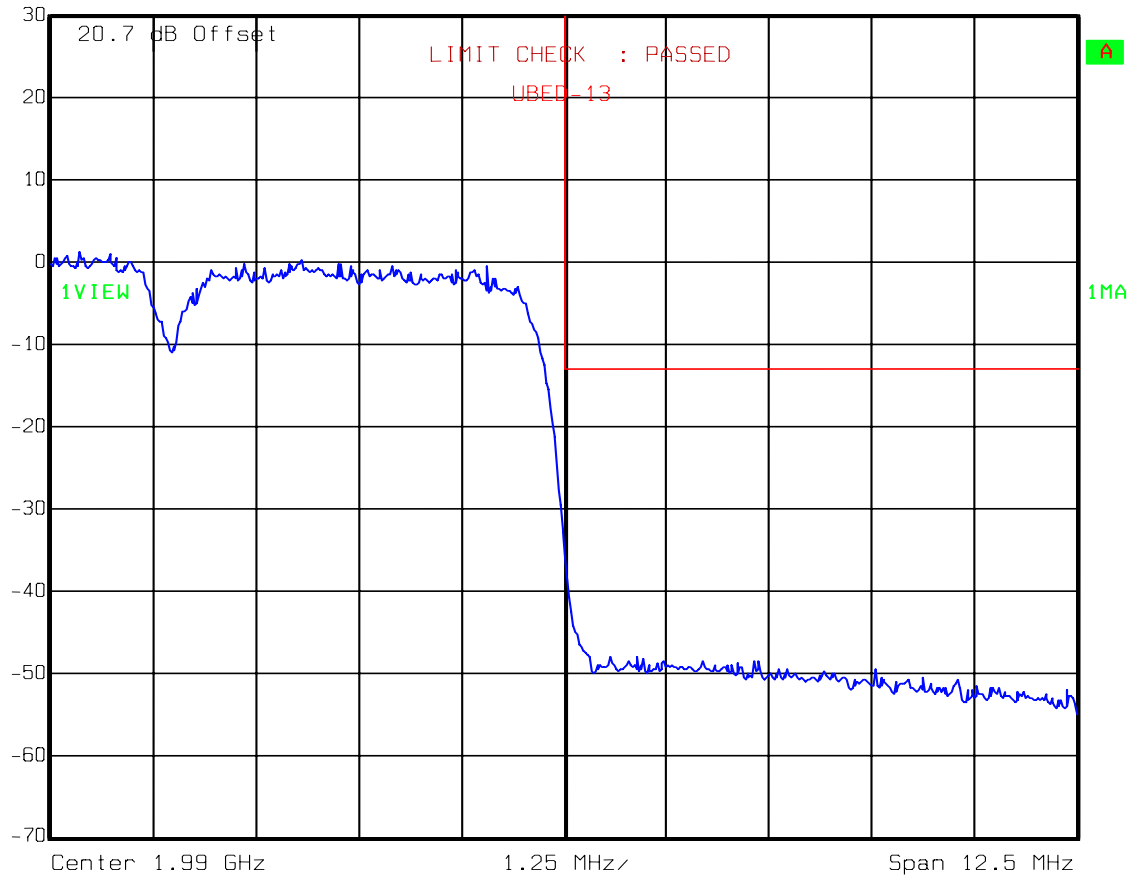
Upper Bandedge Intermodulation

W-CDMA

Downlink

Ref Lvl
30 dBm

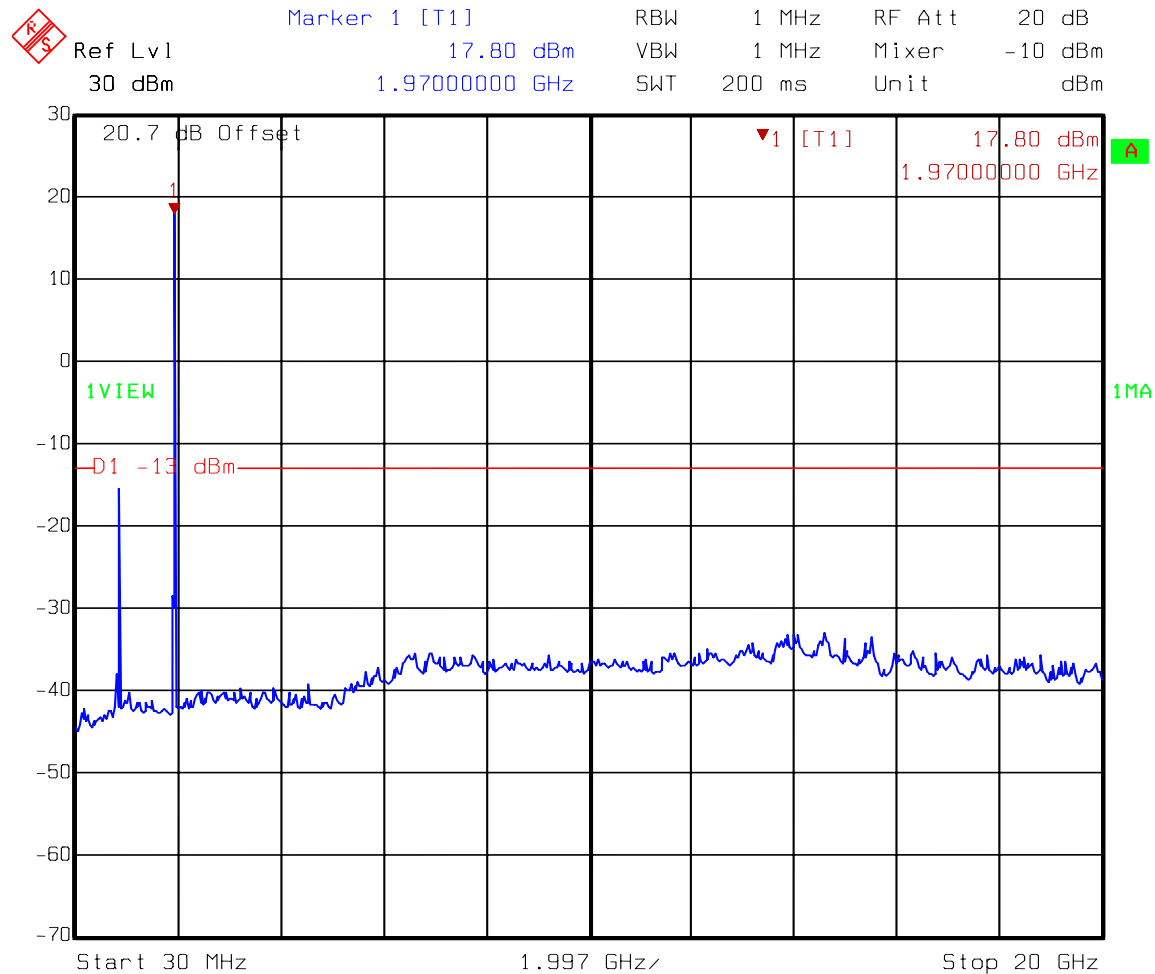
RBW	50 kHz	RF Att	20 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	12.5 ms	Unit	dBm



Date: 20.AUG.2009 09:16:25

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – W-CDMA -
Downlink

Date: 20.AUG.2009 09:14:30

Test Data – Spurious Emissions at Antenna Terminals

Lower Bandedge Intermodulation

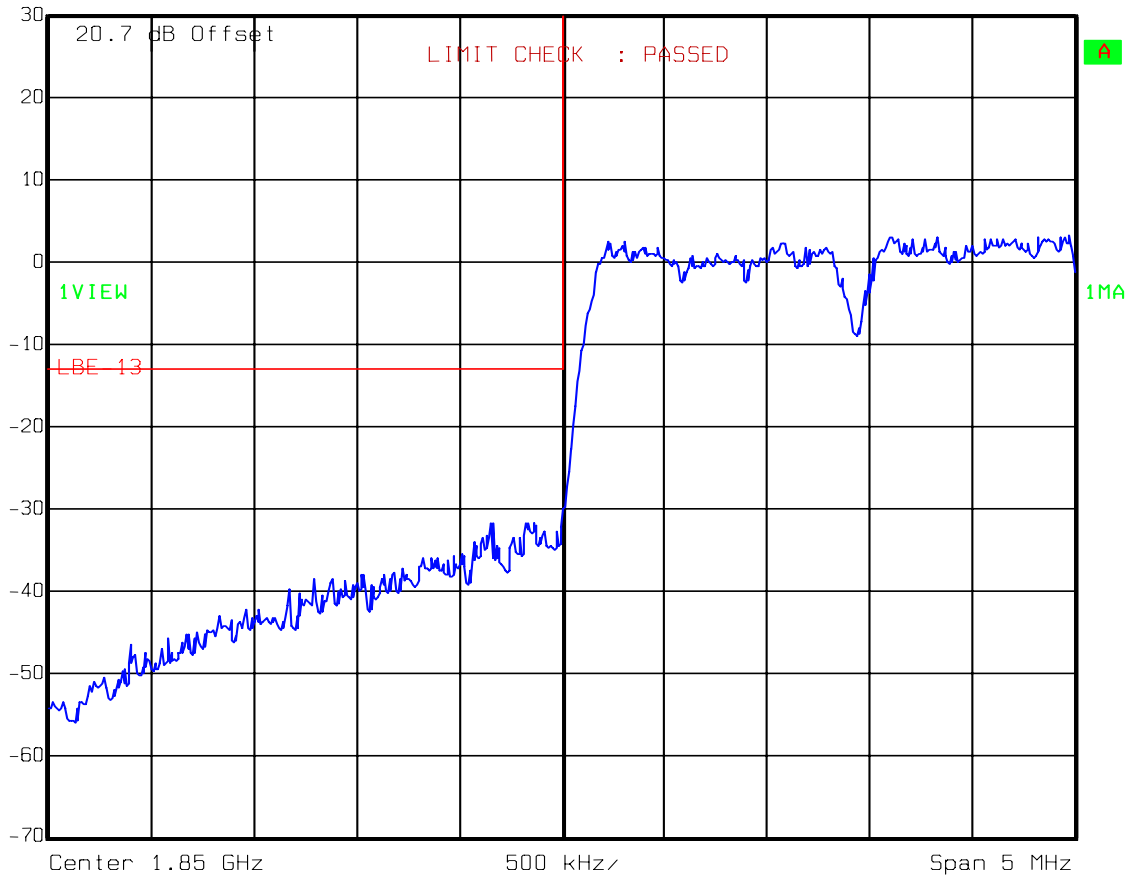
CDMA

Uplink



Ref Lvl
30 dBm

RBW	30 kHz	RF Att	20 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	14 ms	Unit	dBm



Date: 20.AUG.2009 10:20:43

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

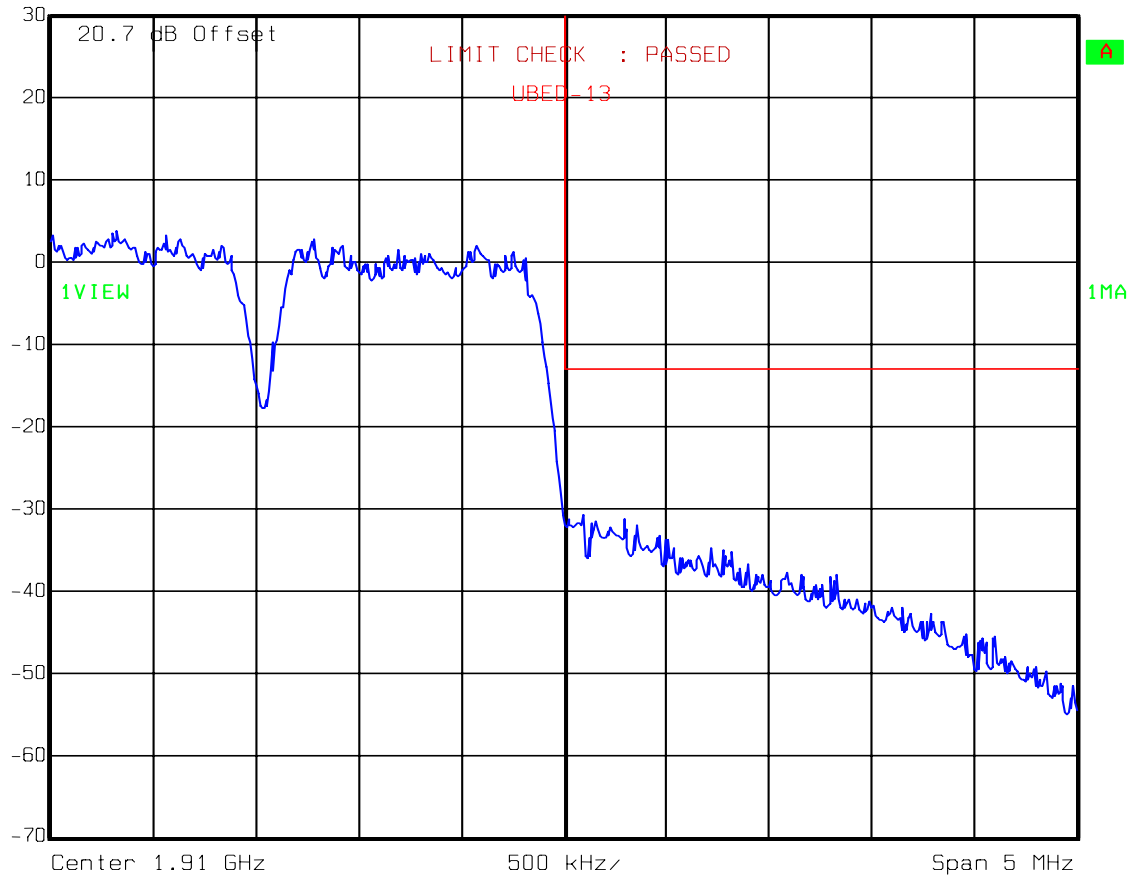
CDMA

Uplink



Ref Lvl
30 dBm

RBW	30 kHz	RF Att	20 dB
VBW	30 kHz	Mixer	-10 dBm
SWT	14 ms	Unit	dBm



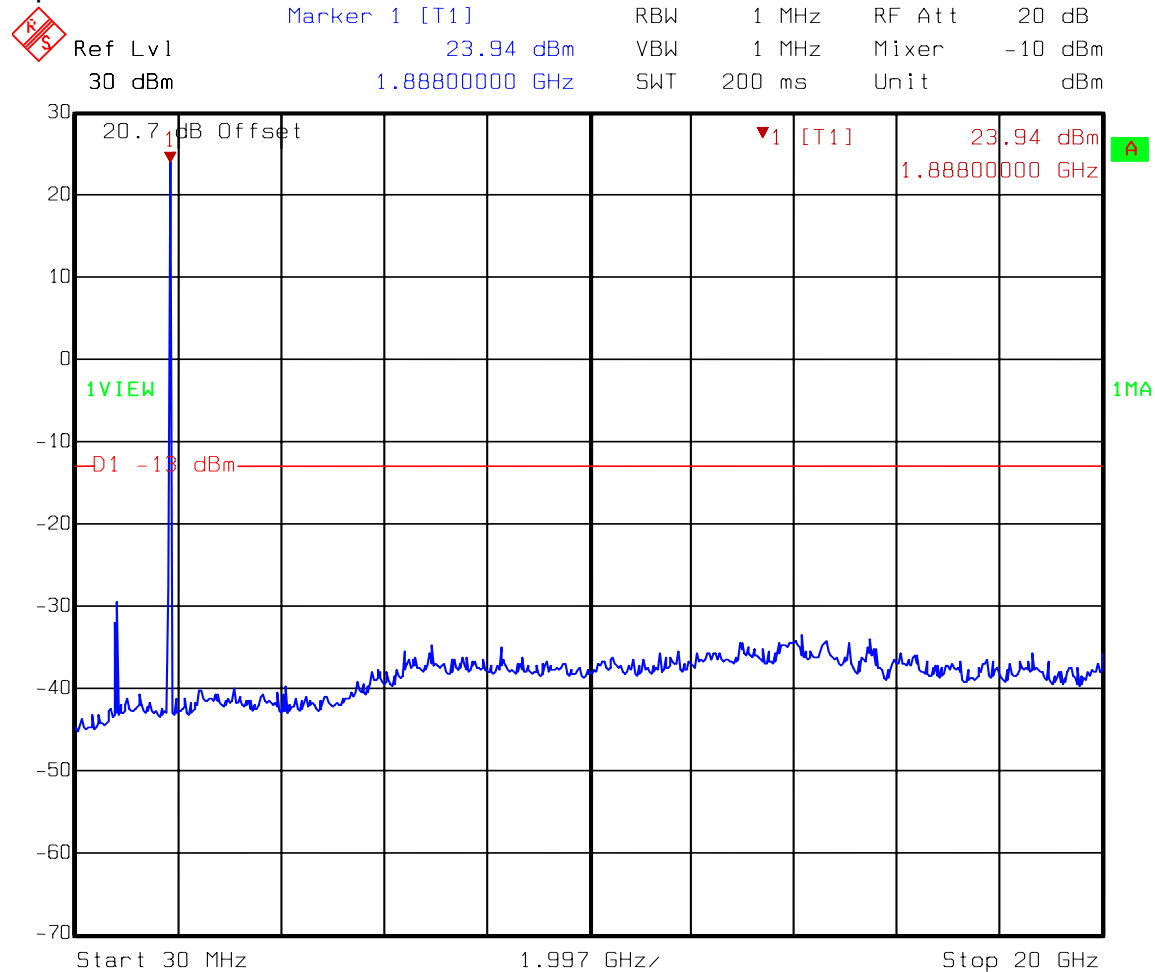
Date: 20.AUG.2009 10:21:43

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – CDMA

Uplink



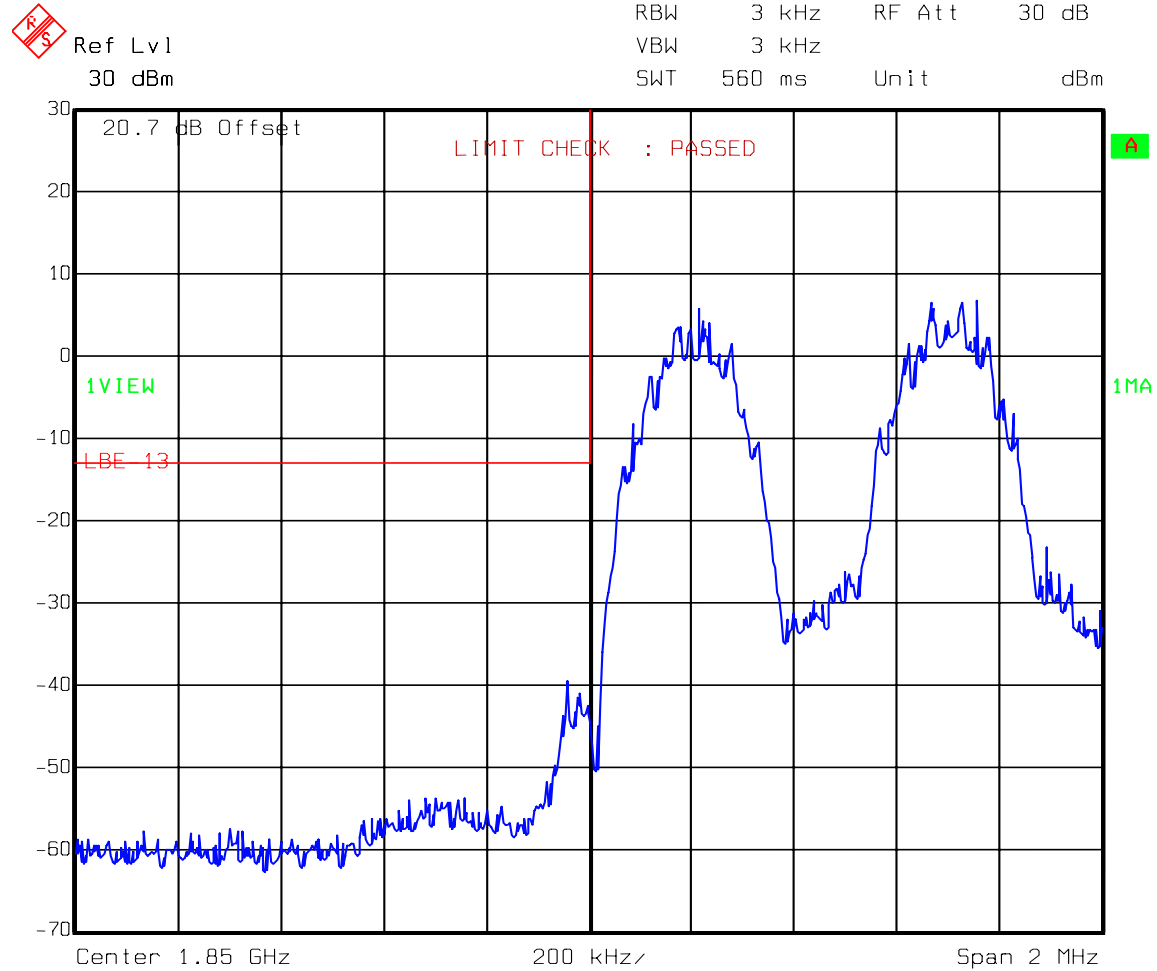
Date: 20.AUG.2009 10:23:41

Test Data – Spurious Emissions at Antenna Terminals

Lower Bandedge Intermodulation

EDGE

Uplink



Date: 20.AUG.2009 10:15:24

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

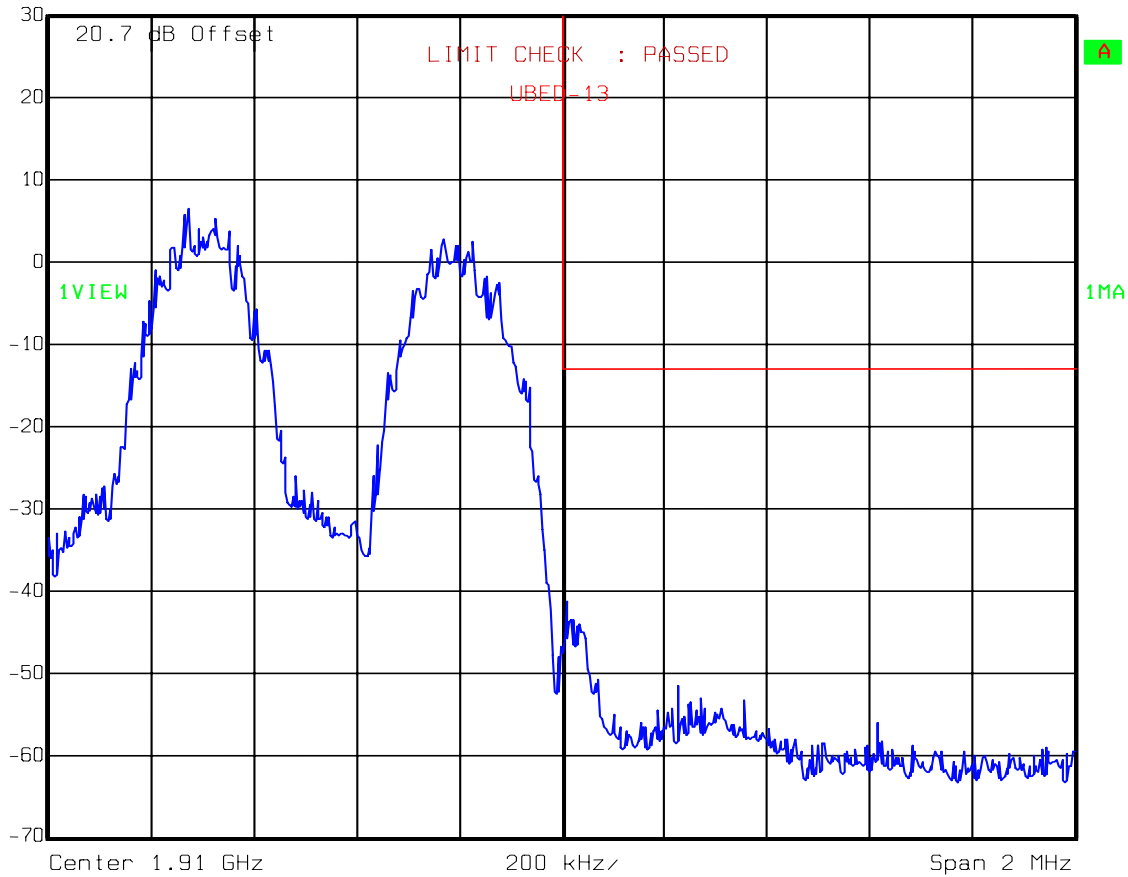
EDGE

Uplink



Ref Lvl
30 dBm

RBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 560 ms Unit dBm



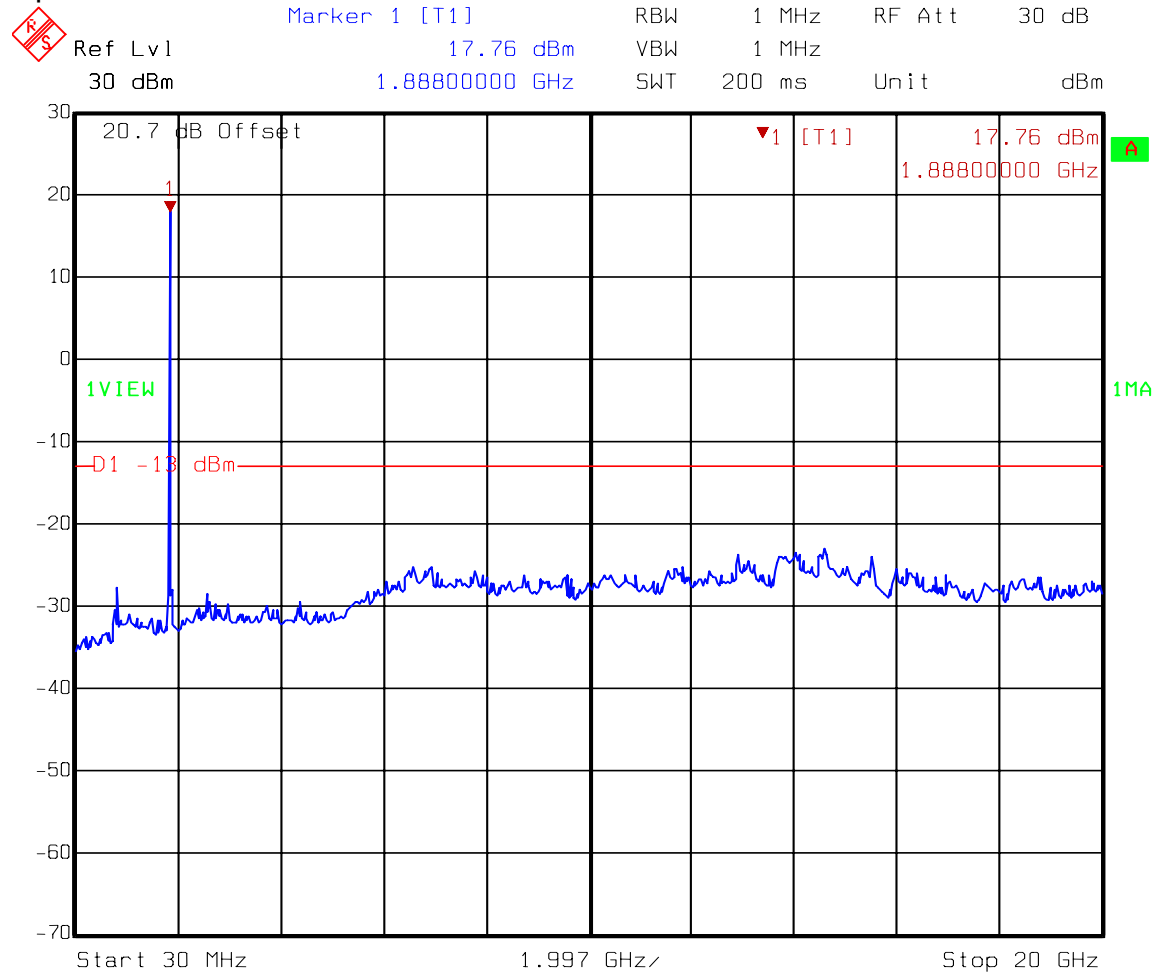
Date: 20.AUG.2009 10:16:14

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – EDGE

Uplink



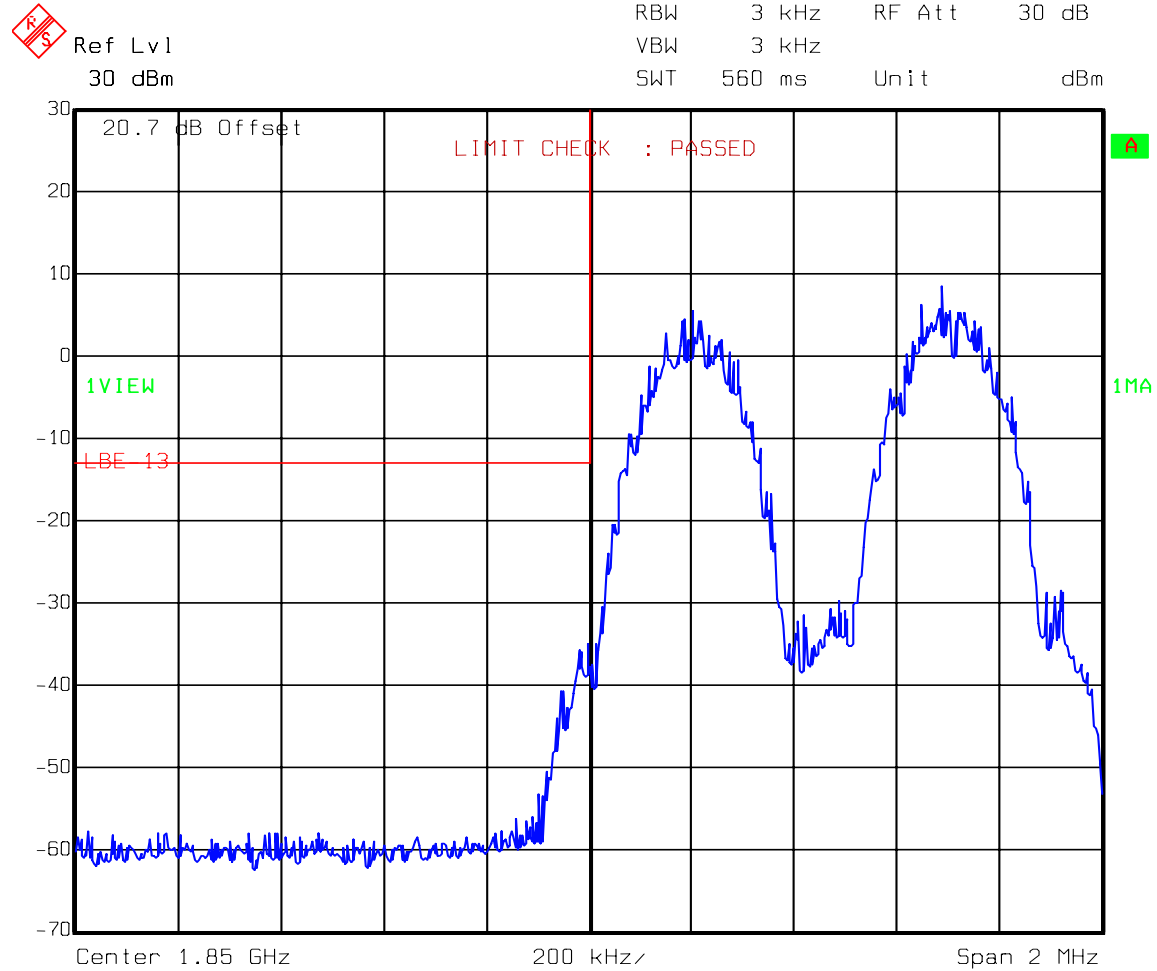
Date: 20.AUG.2009 10:17:44

Test Data – Spurious Emissions at Antenna Terminals

Lower Bandedge Intermodulation

GSM

Uplink



Date: 20.AUG.2009 10:10:20

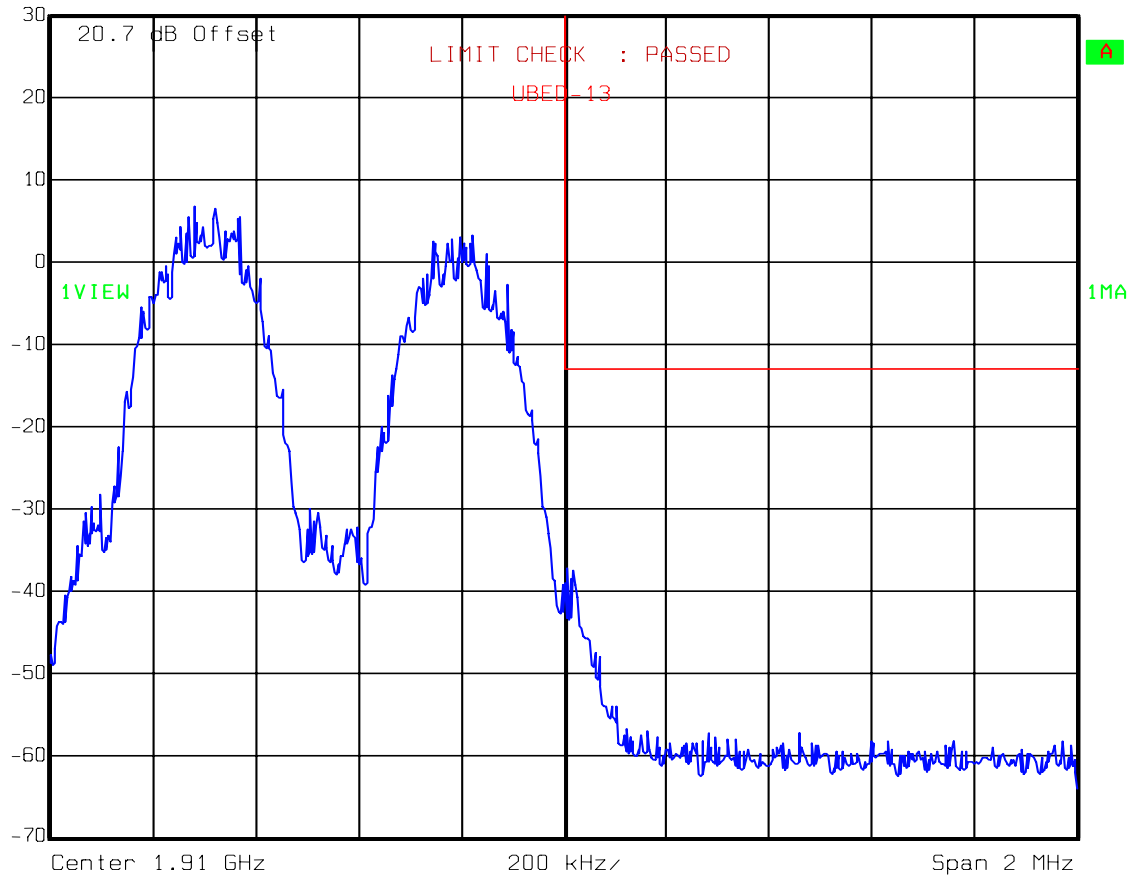
EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

GSM

Uplink

Ref Lvl
30 dBmRBW 3 kHz RF Att 30 dB
VBW 3 kHz
SWT 560 ms Unit dBm

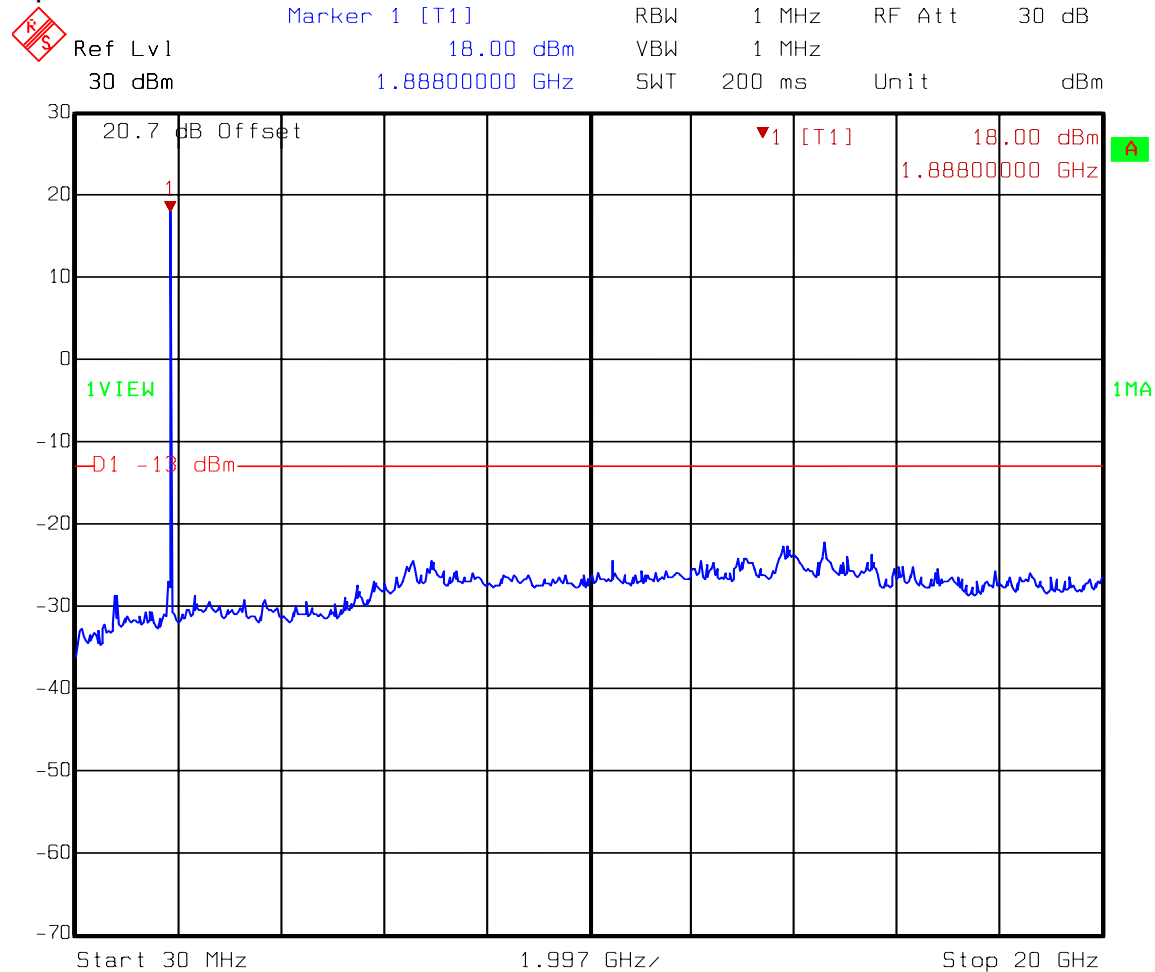
Date: 20.AUG.2009 10:11:10

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Spurs – GSM

Uplink



Date: 20.AUG.2009 10:13:39

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

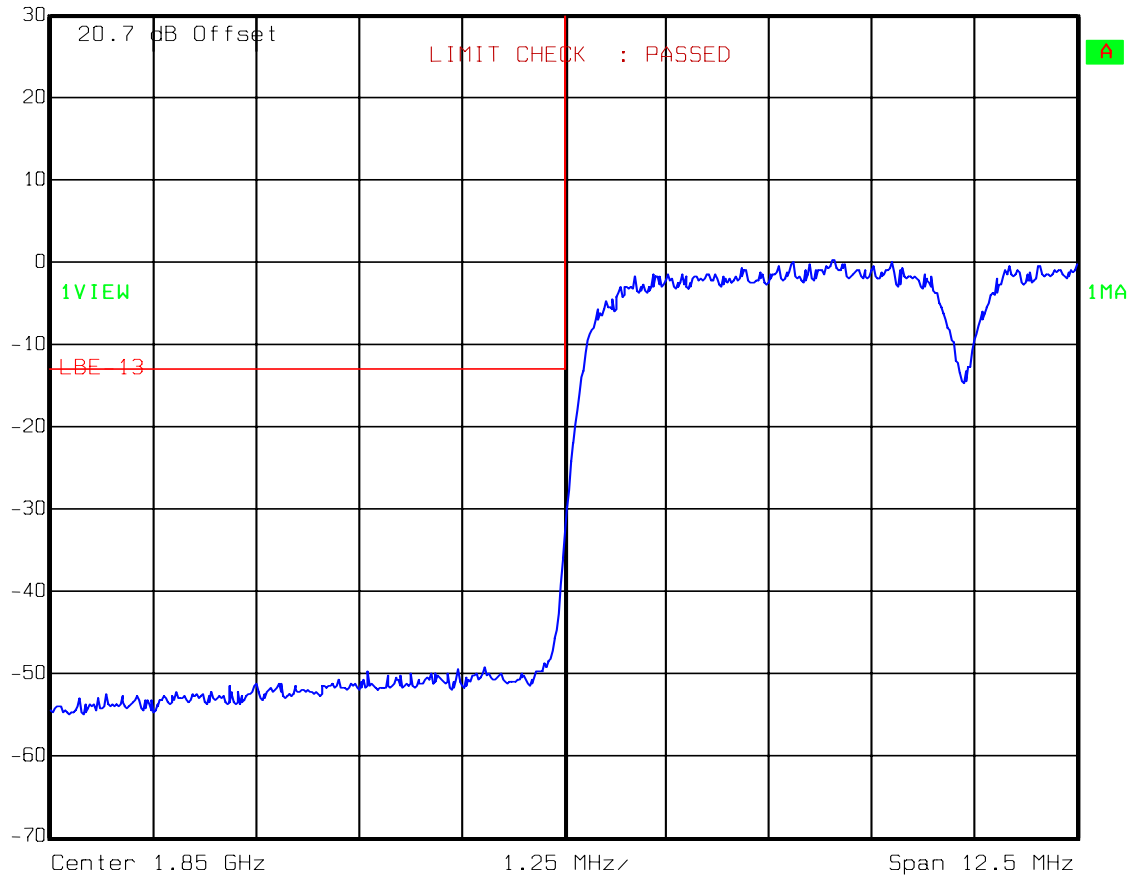
Lower Bandedge Intermodulation

W-CDMA

Uplink

Ref Lvl
30 dBm

RBW	50 kHz	RF Att	20 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	12.5 ms	Unit	dBm



Date: 20.AUG.2009 10:26:56

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna Terminals

Upper Bandedge Intermodulation

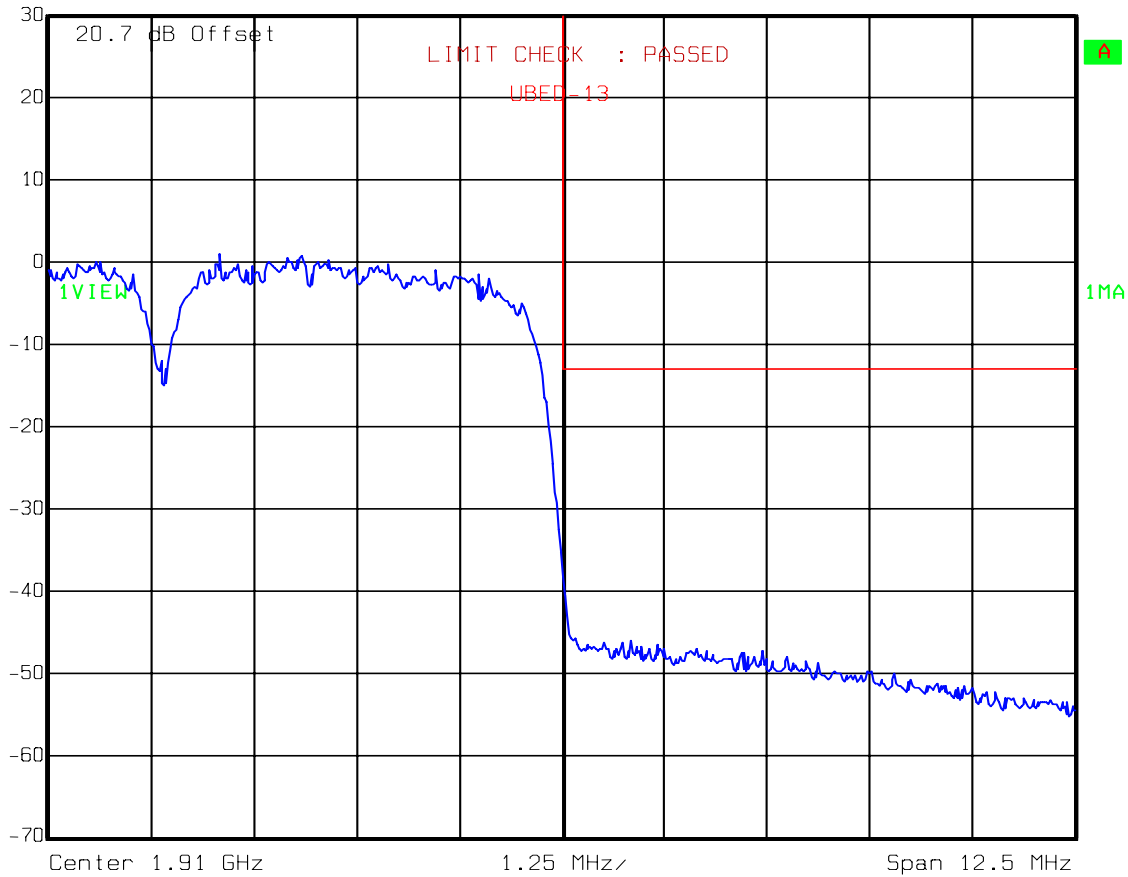
W-CDMA

Uplink



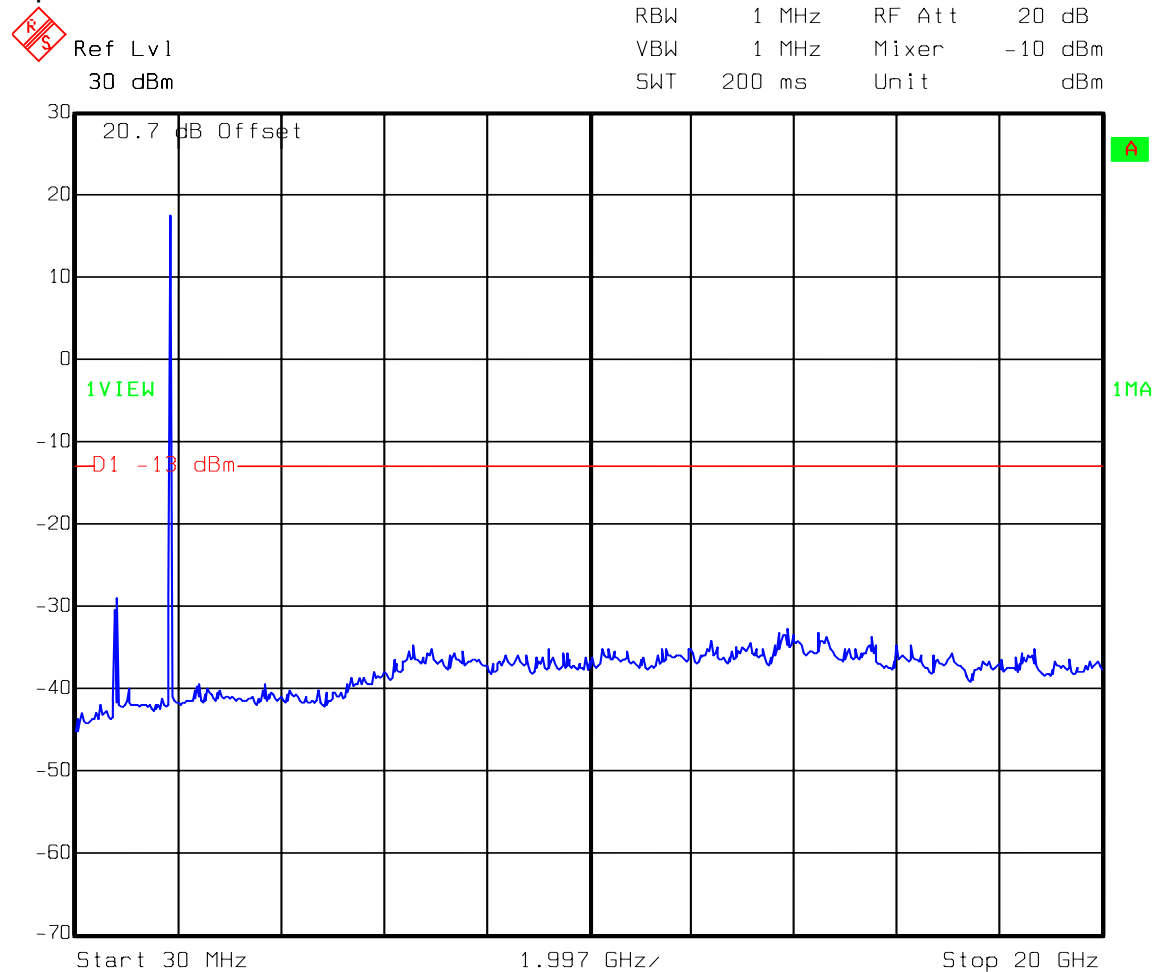
Ref Lvl
30 dBm

RBW	50 kHz	RF Att	20 dB
VBW	50 kHz	Mixer	-10 dBm
SWT	12.5 ms	Unit	dBm



Date: 20.AUG.2009 10:27:53

EQUIPMENT: MR8518/8518/1918/1918

Test Data – Spurious Emissions at Antenna TerminalsSpurs – W-CDMA -
Uplink

Date: 20.AUG.2009 10:31:37

Section 6. Field Strength of Spurious

NAME OF TEST: Field Strength of Spurious Emissions	PARA. NO.: 24.238
TESTED BY: David Light	DATE: 20 August 2009

Test Results: Complies.

Test Data: The spectrum was searched from 30 MHz to the tenth harmonic of the carrier. There were no emissions detected above the noise floor which was at least 20 dB below the specification limit.

Equipment Used: 1464-1484-1485-1016-993-791-1763**Measurement Uncertainty:** +/-1.7 dB**Temperature:** 22 °C**Relative Humidity:** 30 %

RBW=VBW=100 kHz below 1000 MHz
RBW=VBW=1 MHz above 1000 MHz
Peak detector

Section 7. Test Equipment List

Nemko ID	Description	Manufacturer Model Number	Serial Number	Calibration Date	Calibration Due
1036	SPECTRUM ANALYZER	ROHDE & SCHWARZ FSEK30	830844/006	01/19/09	01/20/11
1082	CABLE 2m	Astrolab 32027-2-29094-72TC	N/A	CBU	N/A
1472	20db Attenuator DC 18 Ghz	Omni Spectra 20600-20db	NONE	CBU	N/A
1464	Spectrum analyzer	Hewlett Packard 8563E	3551A04428	02/27/09	02/28/11
1484	Cable	Storm PR90-010-072	N/A	06/23/09	06/23/10
1485	Cable	Storm PR90-010-216	N/A	06/23/09	06/23/10
1016	Pre-Amp	HEWLETT PACKARD 8449A	2749A00159	06/23/09	06/23/10
791	PREAMP, 25dB	Nemko USA, Inc. LNA25	398	05/28/09	05/28/10
993	Horn antenna	A.H. Systems SAS-200/571	XXX	08/31/07	08/31/09
1763	Bilog Antenna	Schaffner CBL 6111D	22926	11/04/08	11/04/09

ANNEX A - TEST DETAILS

NAME OF TEST: RF Power Output**PARA. NO.: 2.1046**

Minimum Standard: Para. No.24.232. Base stations are limited to 1640 watts peak E.I.R.P. with an antenna height up to 300 meters HAAT. In no case may the peak output power of a base station transmitter exceed 100 watts.

Method Of Measurement:Detachable Antenna:

The peak power at antenna terminals is measured using an in-line peak power meter or spectrum analyzer. Power output is measured with the maximum rated input level.

Integral Antenna:

The antenna substitution method is used to determine the equivalent radiated power at spurious frequencies. The spurious emissions are measured at a distance of 3 meters. The EUT is then replaced with a reference substitution antenna with a known gain referenced to an isotropic radiator. This antenna is fed with a signal at the spurious frequency. The level of the signal is adjusted to repeat the previously measured level. The resulting eirp is the signal level fed to the reference antenna corrected for gain referenced to an isotropic radiator.

NAME OF TEST: Occupied Bandwidth

PARA. NO.: 2.1049

Minimum Standard: Input/Output

Method Of Measurement:

CDMA

Spectrum analyzer settings:

RBW=VBW=30 kHz

Span: 5 MHz

Sweep: Auto

GSM / EDGE

RBW=VBW= 3 kHz

Span: 1 MHz

Sweep: Auto

TDMA

RBW=VBW= 1 kHz

Span: 1 MHz

Sweep: Auto

W-CDMA

RBW=VBW= 100 kHz

Span: 10 MHz

Sweep: Auto

NAME OF TEST: Spurious Emission at Antenna Terminals PARA. NO.: 24.238**Minimum Standard:**

Para. No.24.238(a). On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power by at least $43 + 10 \log (P)$ dB.

Method Of Measurement:

Spectrum analyzer settings:

CDMA

RBW: 1 MHz (> 1 MHz from Band Edge)
RBW: 30 kHz (< 1MHz from Band Edge)
VBW: $\geq$ RBW
Sweep: Auto
Video Avg: 6 Sweeps

GSM / EDGE

RBW: 1 MHz (> 1 MHz from Band Edge)
RBW: 3 kHz (< 1 MHz from Band Edge)
VBW: $\geq$ RBW
Sweep: Auto
Video Avg: Disabled

TDMA

RBW: 1 MHz (> 1 MHz from Band Edge)
RBW: 3 kHz (< 1 MHz from Band Edge)
VBW: $\geq$ RBW
Sweep: Auto
Video Avg: Disabled

W-CDMA

RBW: 1 MHz (> 1 MHz from Band Edge)
RBW: 100 kHz (< 1MHz from Band Edge)
VBW: $\geq$ RBW
Sweep: Auto
Video Avg: 6 Sweeps

To demonstrate compliance at band edges the frequency of the input signal is set to the lowest and highest assigned channel and the center frequency of the spectrum analyzer is set to the upper and lower edges of the appropriate frequency block.

NAME OF TEST: Field Strength of Spurious Radiation	PARA. NO.: 24.238
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Minimum Standard:

Para. No.24.238(a). On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power by at least $43 + 10 \log (P)$ dB.

Method of Measurement

TIA/EIA-603-1992

The antenna substitution method is used to determine the equivalent radiated power at spurious frequencies. The spurious emissions are measured at a distance of 3 meters. The EUT is then replaced with a reference substitution antenna with a known gain referenced to an isotropic radiator. This antenna is fed with a signal at the spurious frequency. The level of the signal is adjusted to repeat the previously measured level. The resulting eirp is the signal level fed to the reference antenna corrected for gain referenced to an isotropic radiator.

NAME OF TEST: Frequency Stability**PARA. NO.: 2.1055**

Minimum Standard: Para. No. 24.235. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Method Of Measurement:Frequency Stability With Voltage Variation

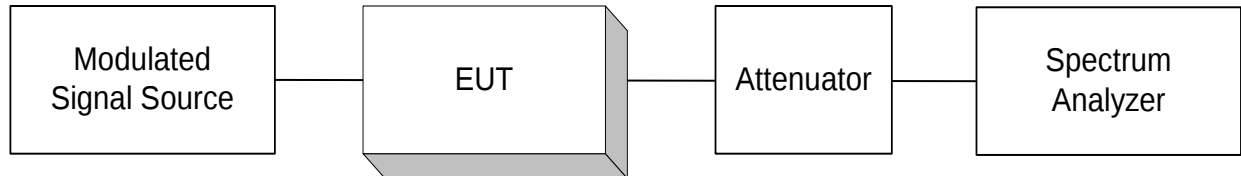
The E.U.T. is placed in an environmental chamber and allowed to stabilize at +20 degrees Celsius for at least 15 minutes. The frequency counter and signal generator are phase locked with the same 10 MHz reference frequency by connecting the 10 MHz ref. out of the counter to the 10 MHz ref, in of the signal generator. With the voltage input to the E.U.T. set to 85% S.T.V., the frequency is measured in 30 second intervals for a period of 5 minutes. This procedure is repeated at 100% S.T.V. and 115% S.T.V.

Frequency Stability With Temperature Variation

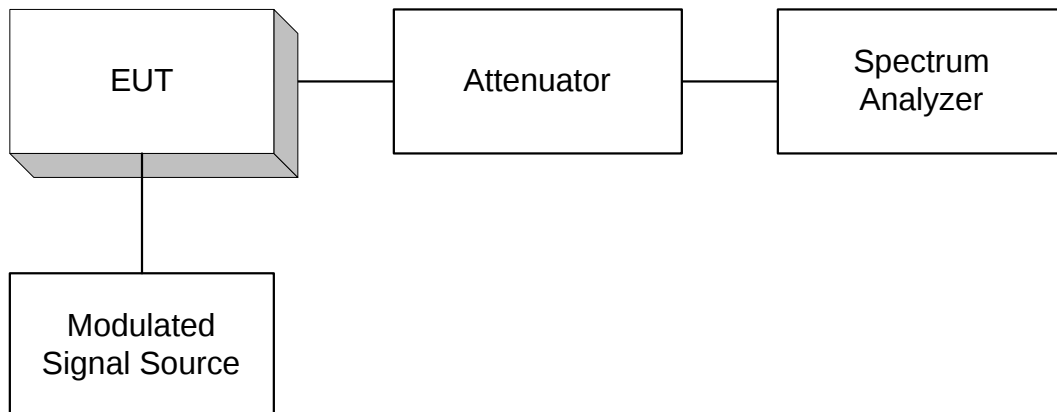
The input voltage to the E.U.T. is set to S.T.V. and the temperature of the environmental chamber is varied in 10 degree steps from -30 degrees C to +50 degrees C. The E.U.T. is allowed to stabilize at each temperature and the frequency is measured in 30 second intervals for a period of 5 minutes.

ANNEX B - TEST DIAGRAMS

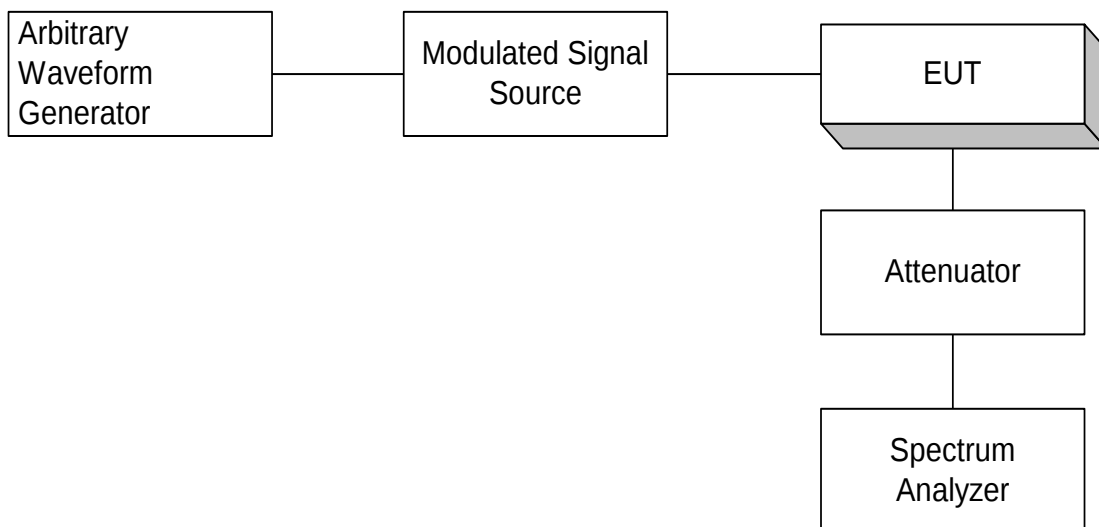
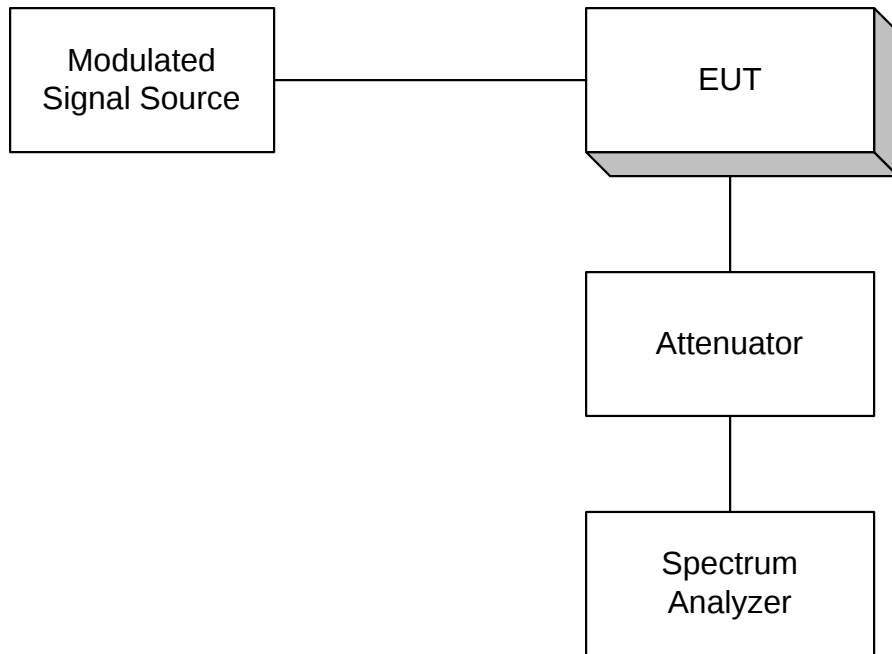
Para. No. 2.985 - R.F. Power Output



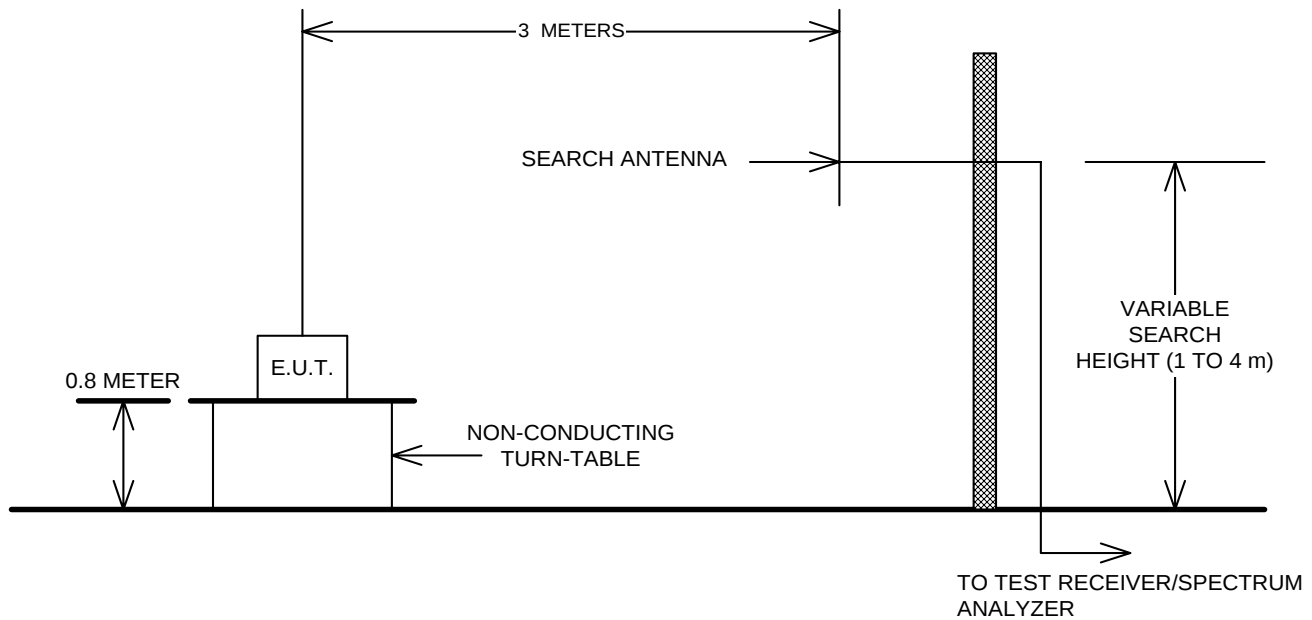
Para. No. 2.989 - Occupied Bandwidth



Para. No. 2.991 Spurious Emissions at Antenna Terminals



Para. No. 2.993 - Field Strength of Spurious Radiation



Para. No. 2.995 - Frequency Stability

