

Partial FCC/IC RF Test Report

APPLICANT : Nokia Corporation
EQUIPMENT : Internet Stick
BRAND NAME : Nokia
MODEL NAME : CS-19
TYPE DESIGNATION : RD-14
MARKETING NAME : Nokia Internet Stick CS-19
FCC ID : PYARD-14
IC : 661V-RD14
STANDARD : FCC 47 CFR Part 2, 22(H), 24(E)
RSS-132 Issued 2, RSS-133 Issued 5
CLASSIFICATION : PCS Licensed Transmitter (PCB)
Tx/Rx FREQUENCY RANGE : GSM850 : 824.2 ~ 848.8 MHz /
869.2 ~ 893.8 MHz
GSM1900 : 1850.2 ~ 1909.8 MHz /
1930.2 ~ 1989.8 MHz
WCDMA Band II : 1852.4 ~ 1907.6 MHz /
1932.4 ~ 1987.6 MHz
EMISSION DESIGNATOR : GMSK : 250KGXW
8PSK : 250KG7W
QPSK : 4M16F9W

This is a partial report which only contains conducted test and radiated emission test results. The product was received on Jul. 02, 2010 and completely tested on Jul. 15, 2010. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI / TIA / EIA-603-C-2004 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:



Roy Wu, Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant.....	5
1.2 Manufacturer	5
1.3 Feature of Equipment Under Test.....	6
1.4 Testing Site.....	7
1.5 Applied Standards	7
1.6 Ancillary Equipment List.....	8
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	9
2.1 Test Mode.....	9
2.2 Connection Diagram of Test System	11
3 TEST RESULT	12
3.1 Conducted Output Power Measurement.....	12
3.2 Occupied Bandwidth Measurement	14
3.3 Band Edge Measurement.....	25
3.4 Conducted Emission Measurement	51
3.5 Field Strength of Spurious Radiation Measurement	91
3.6 Frequency Stability Measurement.....	135
4 LIST OF MEASURING EQUIPMENT	140
5 UNCERTAINTY OF EVALUATION	141
6 CERTIFICATION OF TAF ACCREDITATION	142
APPENDIX A. PHOTOGRAPHS OF EUT	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG070105B	Rev. 01	Initial issue of report	Aug. 31, 2010

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	§2.1046	N/A	Conducted Output Power	N/A	PASS	-
3.2	§2.1049 §22.917(a) §24.238(a)	N/A	Occupied Bandwidth	N/A	PASS	-
3.3	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	Band Edge Measurement	$< 43 + 10 \log_{10}(P[\text{Watts}])$	PASS	-
3.4	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	Conducted Emission	$< 43 + 10 \log_{10}(P[\text{Watts}])$	PASS	-
3.5	§2.1053 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	Field Strength of Spurious Radiation	$< 43 + 10 \log_{10}(P[\text{Watts}])$	PASS	Under limit 22.57 dB at 13361 MHz
3.6	§2.1055 §22.355 §24.235	RSS-132(4.3) RSS-133(6.3)	Frequency Stability for Temperature & Voltage	$< 2.5 \text{ ppm}$	PASS	-



1 General Description

1.1 Applicant

Nokia Corporation
Keilalahdentie 2-4
02150 ESPOO
FINLAND

1.2 Manufacturer

Nokia Corporation
Keilalahdentie 2-4
02150 ESPOO
FINLAND

1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Internet Stick
Brand Name	Nokia
Model Name	CS-19
Type Designation	RD-14
Marketing Name	Nokia Internet Stick CS-19
FCC ID	PYARD-14
IC	661V-RD14
IMEI Code	004402131714358
Tx Frequency	GSM850 : 824 MHz ~ 849 MHz GSM1900 : 1850 MHz ~ 1910 MHz WCDMA Band II : 1850 MHz ~ 1910 MHz
Rx Frequency	GSM850 : 869 MHz ~ 894 MHz GSM1900 : 1930 MHz ~ 1990 MHz WCDMA Band II : 1930 MHz ~ 1990 MHz
Maximum Output Power to Antenna	GSM850 : 29.52 dBm GSM1900 : 26.05 dBm WCDMA Band II : 21.01 dBm
Antenna Type	Fixed Internal Antenna
HW Version	1.0
SW Version	1.8
ME Version	1.0
Type of Modulation	GSM / GPRS : GMSK EDGE : 8PSK WCDMA : QPSK HSDPA : QPSK / 16QAM HSUPA : BPSK
Type of Emission	GMSK : 250KGXW 8PSK : 250KG7W QPSK : 4M16F9W
EUT Stage	Production Unit

List of Accessory:

Specification of Accessory		
USB Cable	Brand Name	Nokia
	Model Name	CA-175D
	Signal Line Type	0.22 meter shielded cable without ferrite core
	HW Version	1.0
	Mechanical Version	1.0
Micro SD Card	Brand Name	Nokia
	Model Name	MU-43 (8 GB) MU-41 (4 GB)

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. For accessories equipped with this EUT, please refer to the appendix of the external photo.

1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC.		
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978		
Test Site No.	Sporton Site No.		FCC/IC Registration No.
	TH02-HY	03CH07-HY	TW1022/4086B-1

1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ Preliminary Guidance for Receiving Applications for Certification of 3G Device. May 9, 2006.
- ♦ FCC 47 CFR Part 2, 22(H), 24(E)
- ♦ ANSI / TIA / EIA-603-C-2004
- ♦ IC RSS-132 Issue 2
- ♦ IC RSS-133 Issue 5

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.6 Ancillary Equipment List

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU200	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Vostro 1510	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2 Test Configuration of Equipment Under Test

2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is as follows:

1. 30 MHz to 9000 MHz for GSM850.
2. 30 MHz to 19000 MHz for GSM1900 and WCDMA Band II.

Test Modes		
Band	Radiated TCs	Conducted TCs
GSM 850	■ GPRS 8 Link with USB Cable ■ EDGE 8 Link with USB Cable ■ GPRS 8 Link without USB Cable	■ GPRS 8 Link ■ EDGE 8 Link
GSM 1900	■ GPRS 8 Link with USB Cable ■ EDGE 8 Link with USB Cable ■ EDGE 8 Link without USB Cable	■ GPRS 8 Link ■ EDGE 8 Link
WCDMA Band II	■ RMC 12.2Kbps Link with USB Cable	■ RMC 12.2Kbps Link

Note: The maximum power levels are GPRS multi-slot class 8 mode for GMSK link, EDGE multi-slot class 8 mode for 8PSK link, and RMC 12.2Kbps mode for WCDMA band II, only these modes were used for all tests.

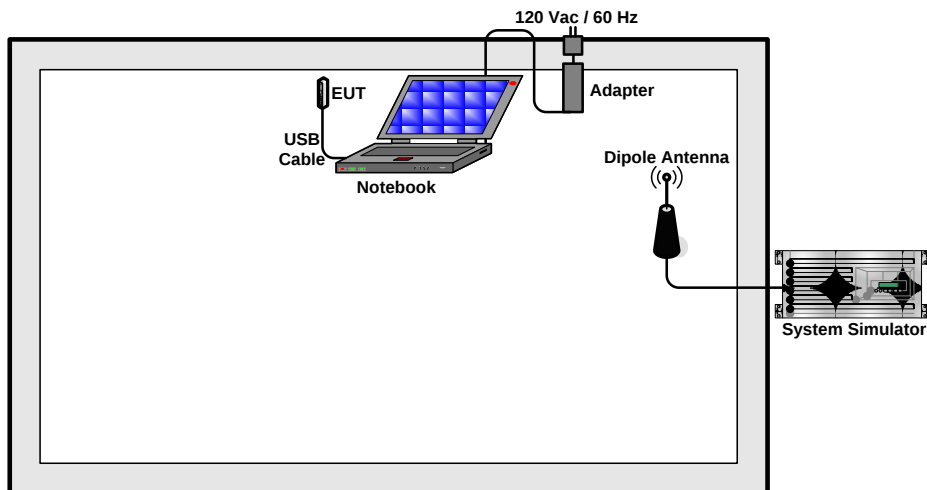
The conducted power tables are as follows:

Conducted Power (*Unit: dBm)						
Band	GSM850			GSM1900		
Channel	128	189	251	512	661	810
Frequency	824.2	836.4	848.8	1850.2	1880.0	1909.8
GPRS 8	29.52	29.50	29.46	25.99	26.00	26.05
GPRS 10	26.57	26.61	26.58	23.42	23.44	23.49
GPRS 12	23.55	23.60	23.52	20.52	20.56	20.55
EGPRS 8	26.43	26.47	26.45	25.53	25.55	25.61
EGPRS 10	24.53	24.40	24.40	22.83	23.03	22.82
EGPRS 12	20.95	21.13	21.14	19.63	19.68	19.55

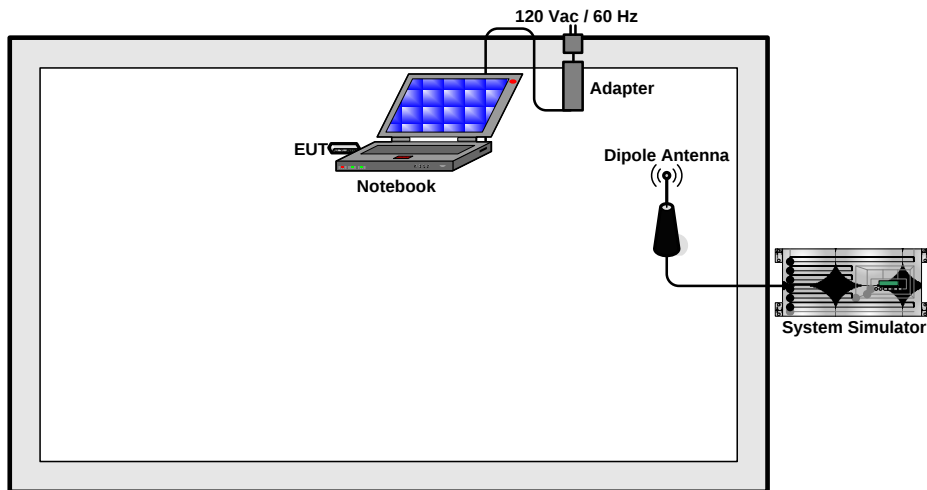
Conducted Power (*Unit: dBm)			
Band	WCDMA Band II		
Channel	9262	9400	9538
Frequency	1852.4	1880.0	1907.6
RMC 12.2K	20.98	20.97	21.01
HSDPA Subtest-1	20.90	20.92	20.94
HSDPA Subtest-2	20.91	20.78	20.76
HSDPA Subtest-3	20.31	20.32	20.31
HSDPA Subtest-4	20.17	20.08	20.00
HSUPA Subtest-1	18.39	18.37	18.72
HSUPA Subtest-2	18.96	18.64	18.89
HSUPA Subtest-3	19.37	19.54	19.32
HSUPA Subtest-4	18.59	18.46	18.42
HSUPA Subtest-5	19.48	19.46	19.59

2.2 Connection Diagram of Test System

<EUT Link with USB Cable>



<EUT Link without USB Cable>



3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

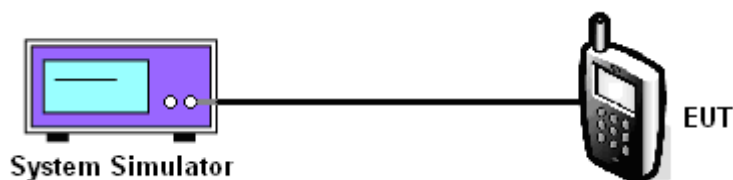
3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

1. The transmitter output port was connected to base station.
2. Set EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Cellular Band				
Modes	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watts)
GSM850 (GPRS 8)	128 (Low)	824.2	29.52	0.90
	189 (Mid)	836.4	29.50	0.89
	251 (High)	848.8	29.46	0.88
GSM850 (EDGE 8)	128 (Low)	824.2	26.43	0.44
	189 (Mid)	836.4	26.47	0.44
	251 (High)	848.8	26.45	0.44

PCS Band				
Modes	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watts)
GSM1900 (GPRS 8)	512 (Low)	1850.2	25.99	0.40
	661 (Mid)	1880.0	26.00	0.40
	810 (High)	1909.8	26.05	0.40
GSM1900 (EDGE 8)	512 (Low)	1850.2	25.53	0.36
	661 (Mid)	1880.0	25.55	0.36
	810 (High)	1909.8	25.61	0.36
WCDMA Band II (RMC 12.2Kbps)	9262 (Low)	1852.4	20.98	0.13
	9400 (Mid)	1880.0	20.97	0.13
	9538 (High)	1907.6	21.01	0.13

3.2 Occupied Bandwidth Measurement

3.2.1 Description of Occupied Bandwidth Measurement

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

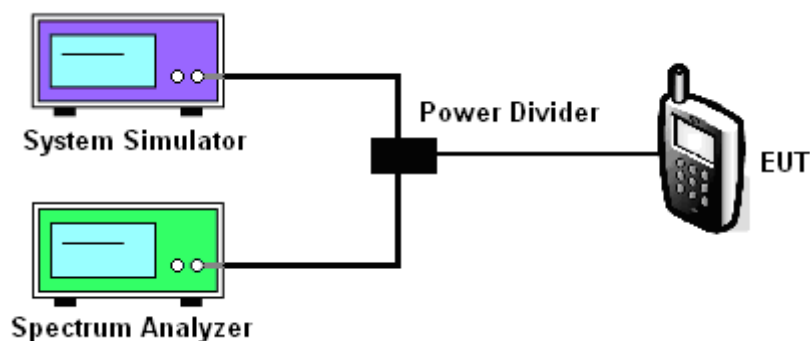
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers were measured.

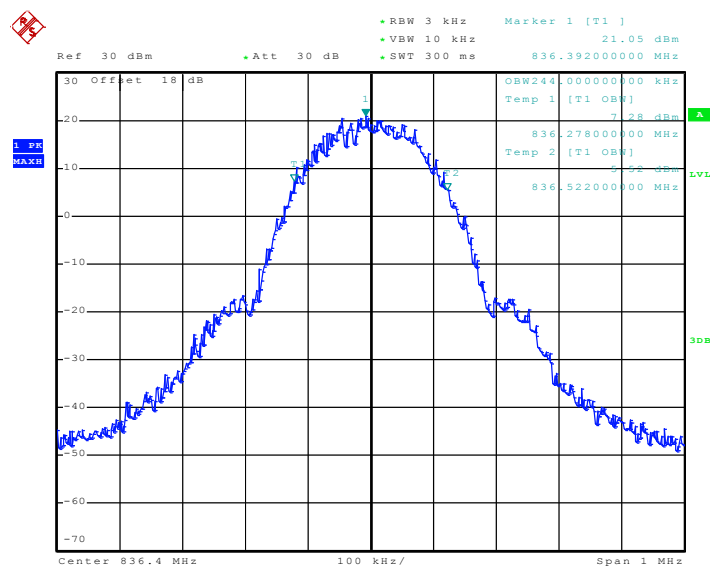
3.2.4 Test Setup



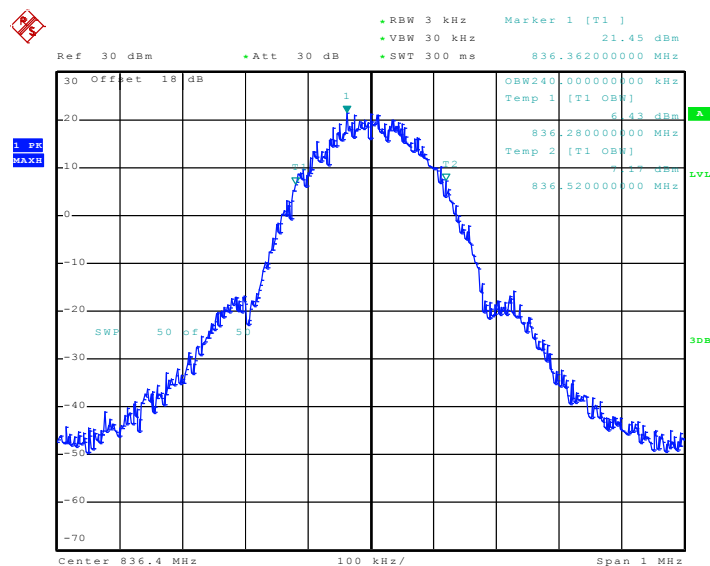
3.2.5 Test Result (Plots) of Occupied Bandwidth

Band :	GSM 850	Power Stage :	High
Test Mode :	GPRS 8 Link		

99% Occupied Bandwidth Plot on Channel 189



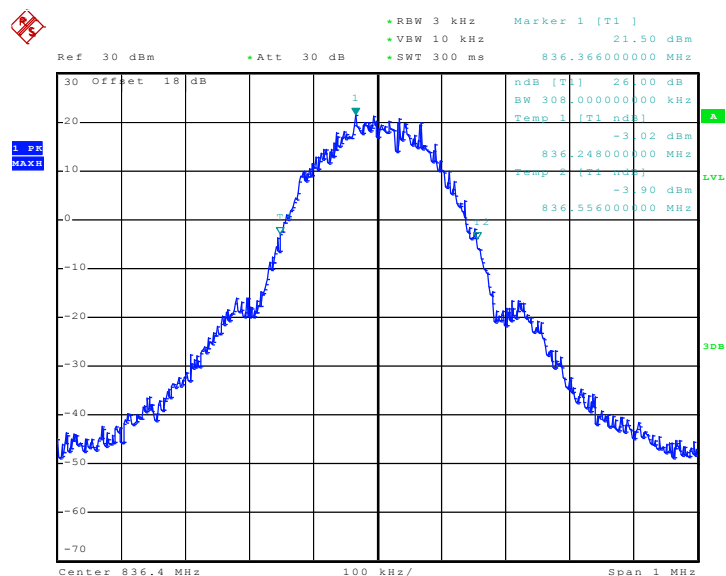
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Date: 12.JUL.2010 14:03:26



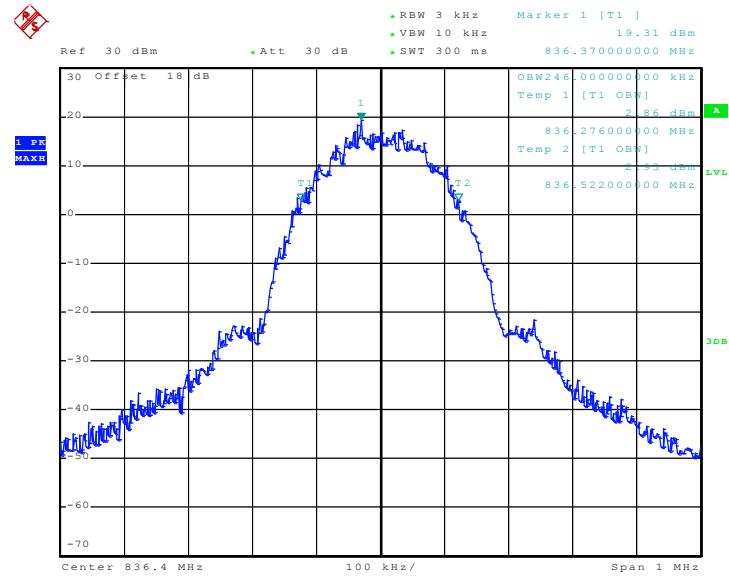
26dB Bandwidth



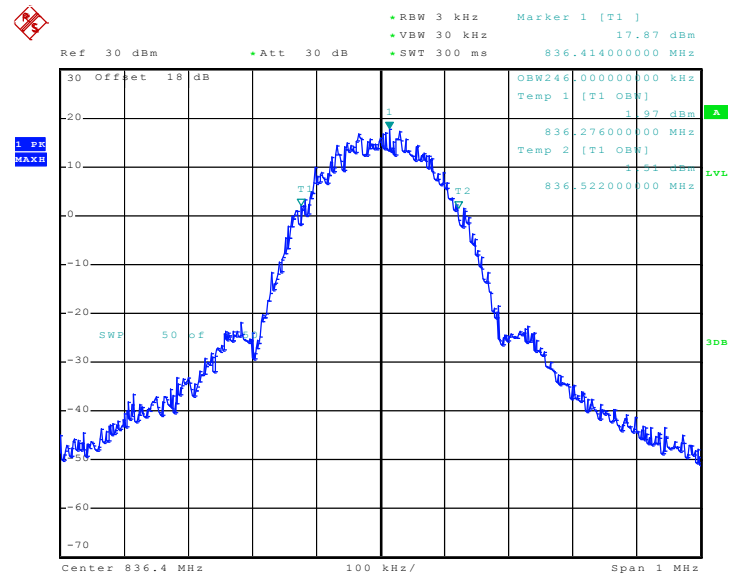
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Band :	GSM 850	Power Stage :	High
Test Mode :	EDGE 8 Link		

99% Occupied Bandwidth Plot on Channel 189

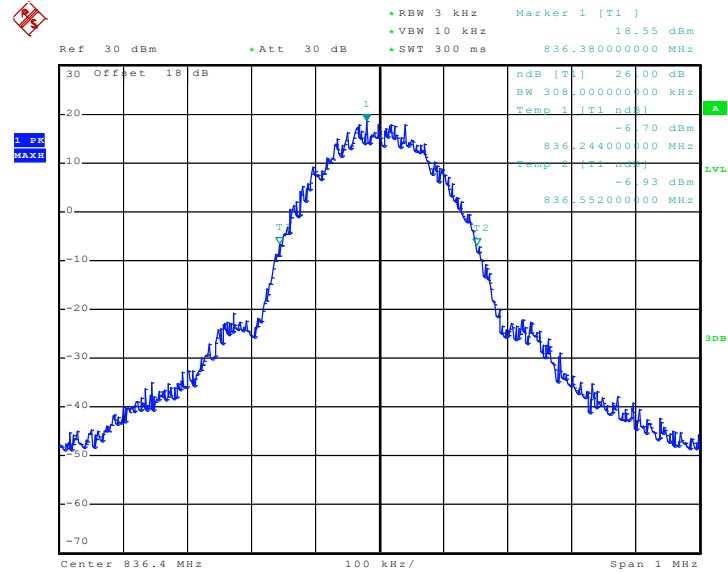
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Date: 12.JUL.2010 14:21:18



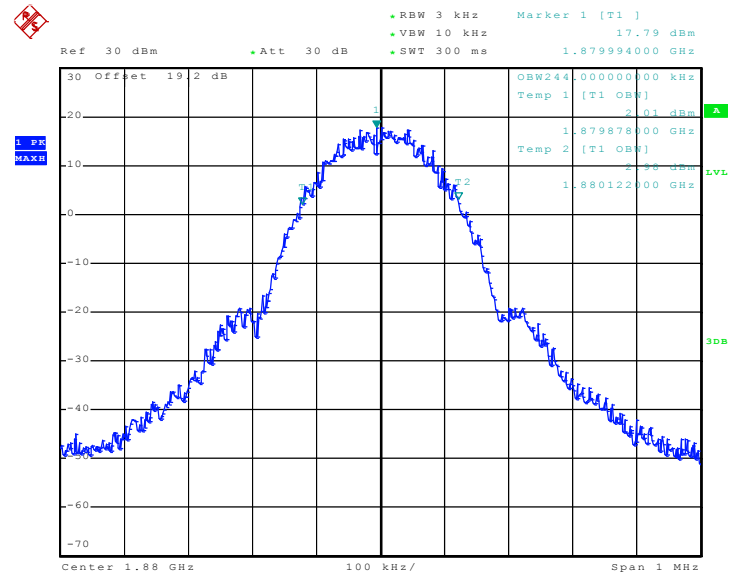
26dB Bandwidth



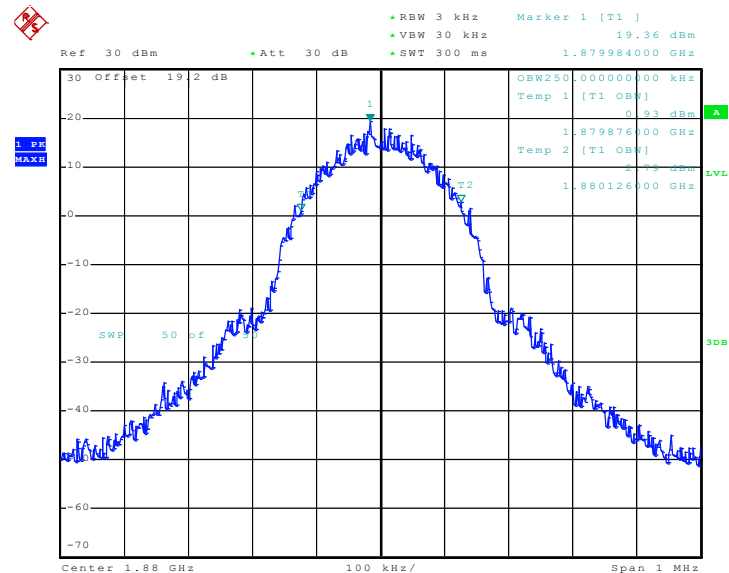
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Band :	GSM 1900	Power Stage :	High
Test Mode :	GPRS 8 Link		

99% Occupied Bandwidth Plot on Channel 661

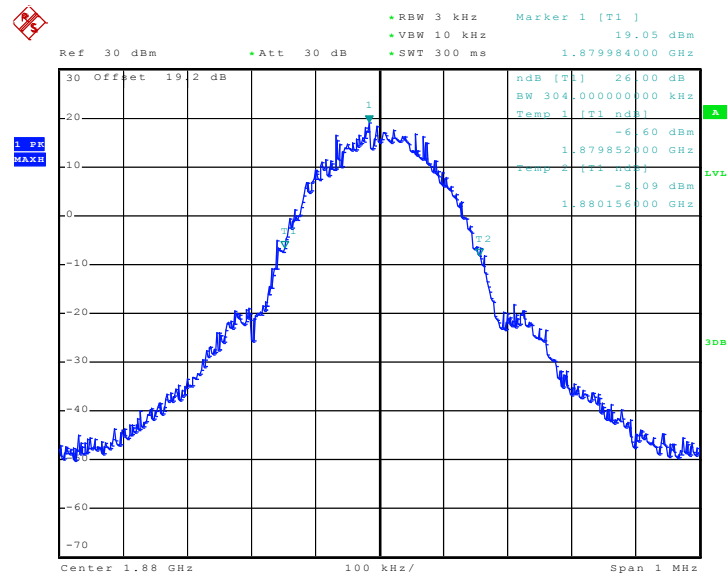
Date: 12.JUL.2010 14:11:31



Date: 12.JUL.2010 14:12:43



26dB Bandwidth Plot on Channel 661

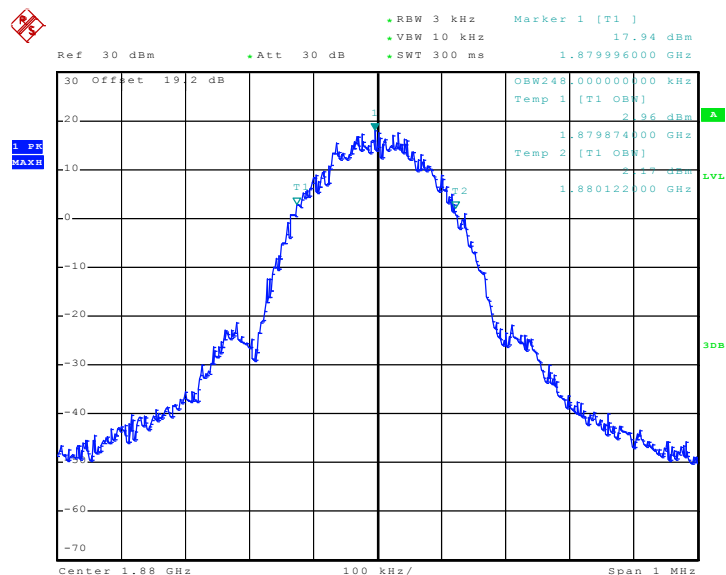


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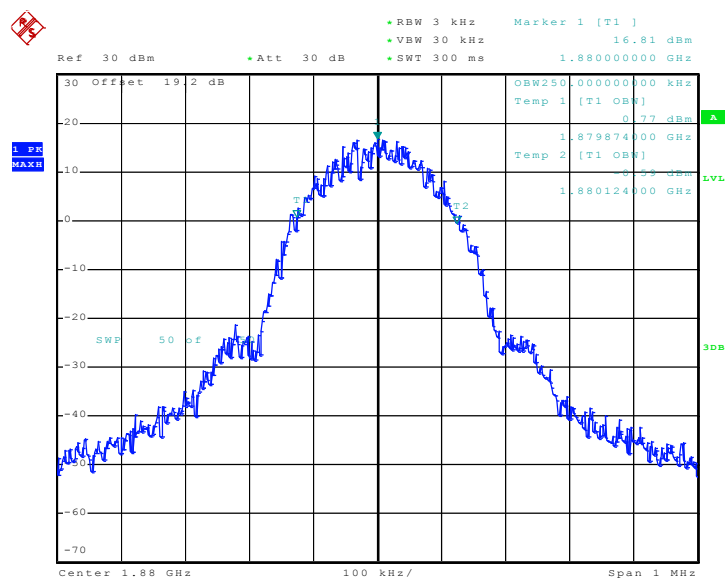


Band :	GSM 1900	Power Stage :	High
Test Mode :	EDGE 8 Link		

99% Occupied Bandwidth Plot on Channel 661



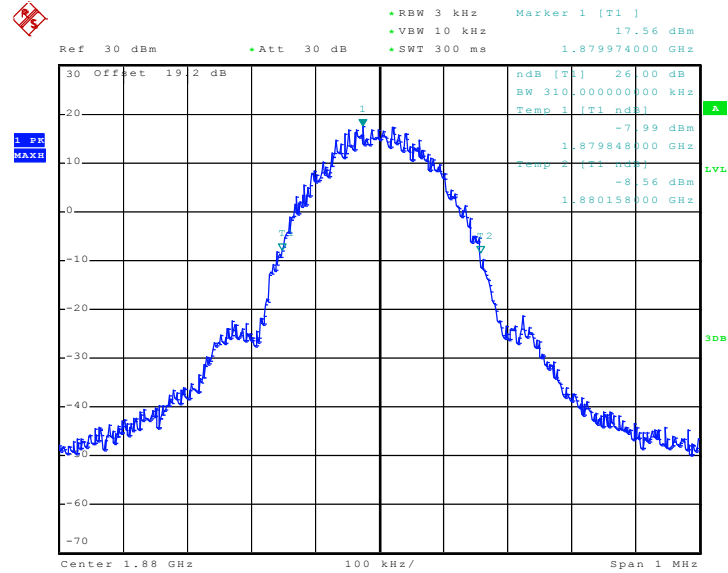
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Date: 12.JUL.2010 14:31:30



26dB Bandwidth

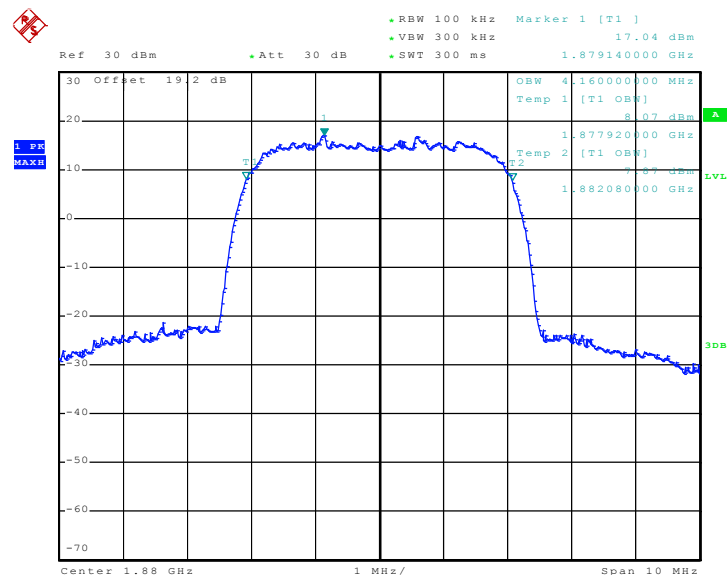


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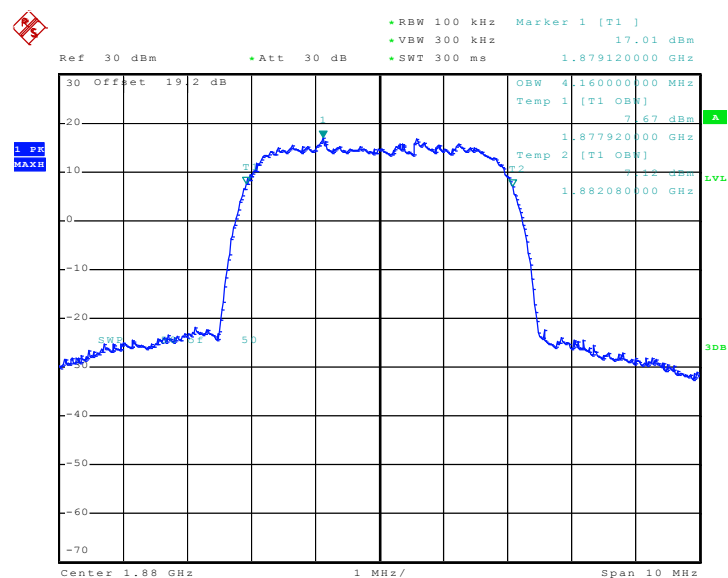


Band :	WCDMA Band II	Power Stage :	High
Test Mode :	RMC 12.2Kbps Link		

99% Occupied Bandwidth Plot on Channel 9400



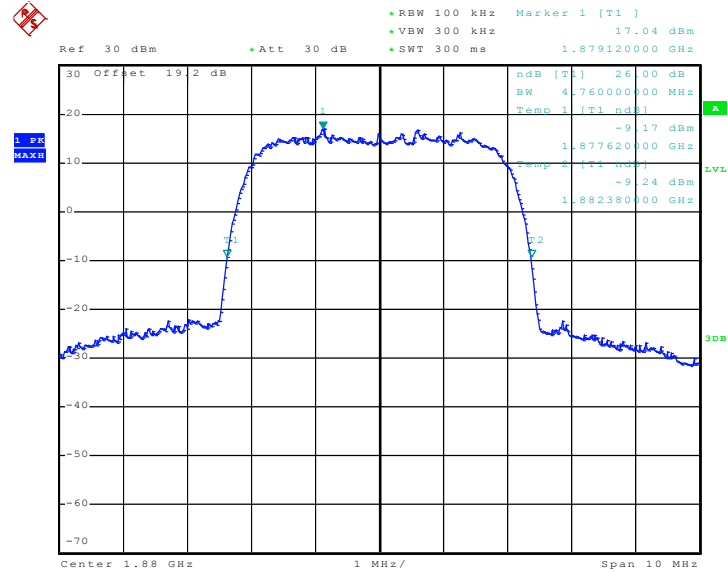
Date: 12.JUL.2010 14:55:10



Date: 12.JUL.2010 14:56:31



26dB Bandwidth



Date: 12.JUL.2010 14:53:51

3.3 Band Edge Measurement

3.3.1 Description of Band Edge Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

3.3.2 Measuring Instruments

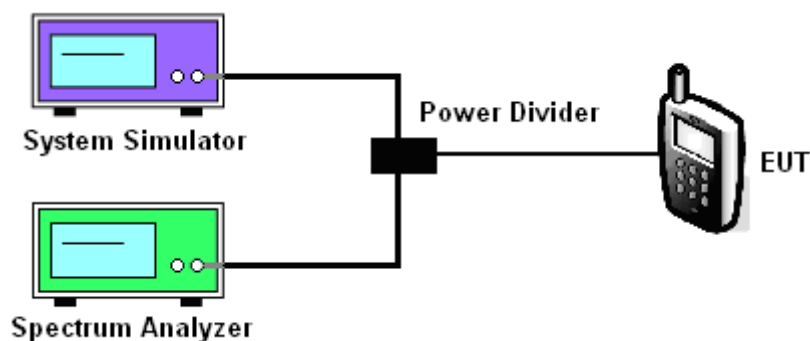
See list of measuring instruments of this test report.

3.3.3 Test Procedures

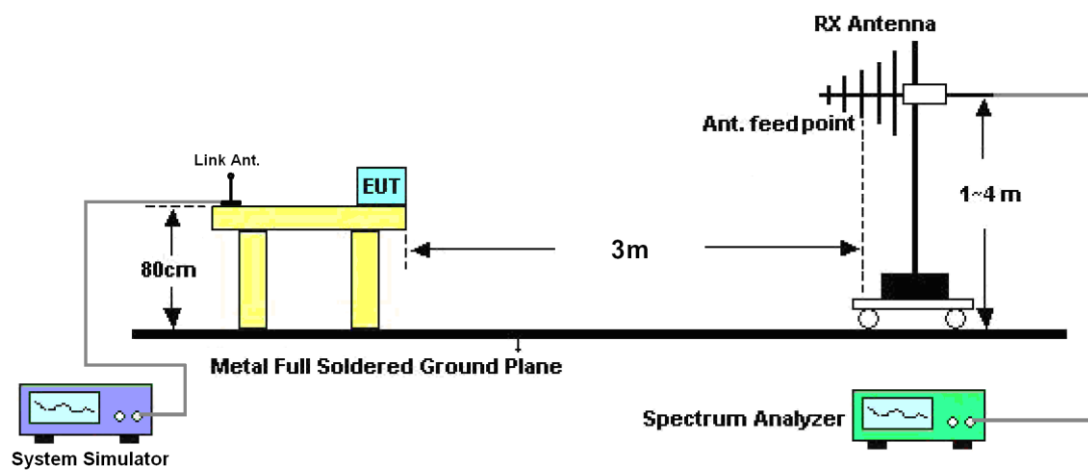
1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The band edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly $BW/100$.

3.3.4 Test Setup

<Conducted Band Edge >



<Radiated Band Edge>

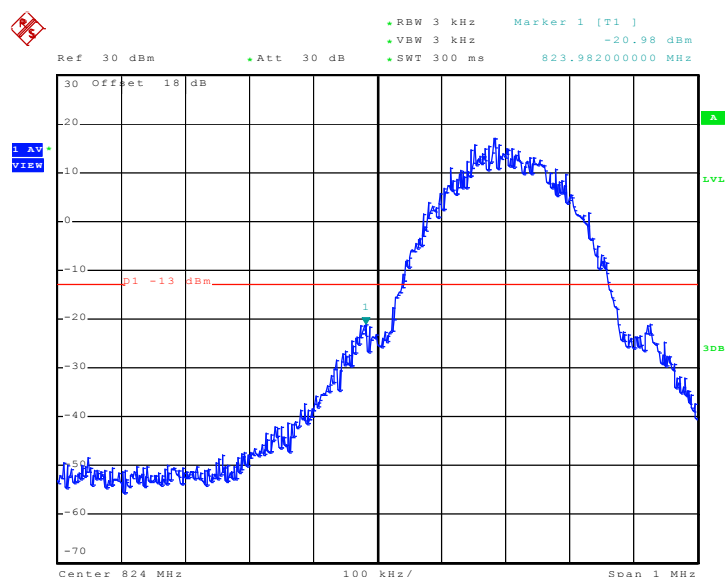




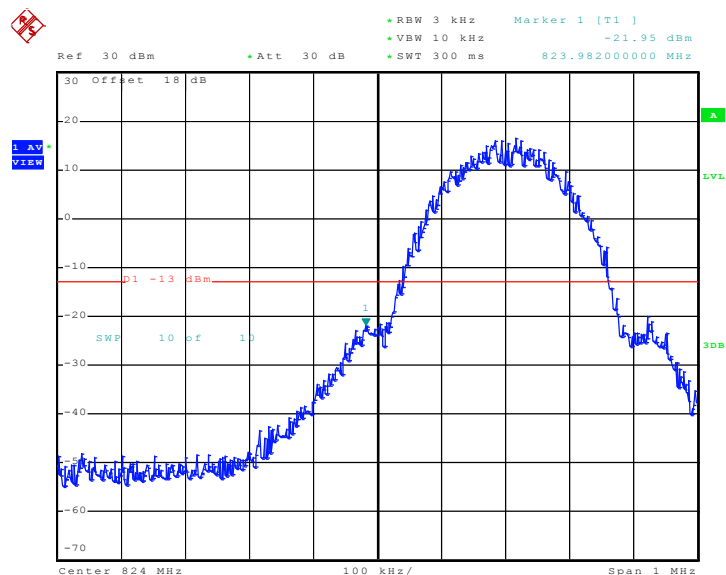
3.3.5 Test Result (Plots) of Conducted Band Edge

Band :	GSM850	Power Stage :	High
Test Mode :	GPRS 8 Link		

Lower Band Edge Plot on Channel 128

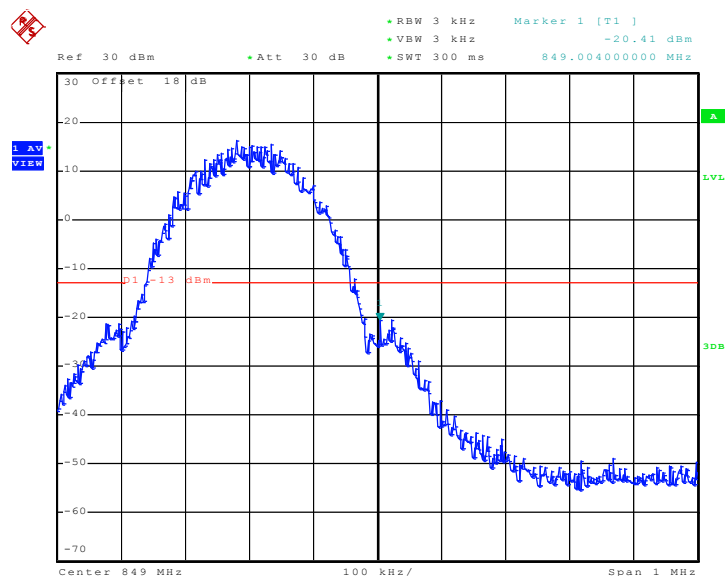


Date: 12.JUL.2010 14:04:15

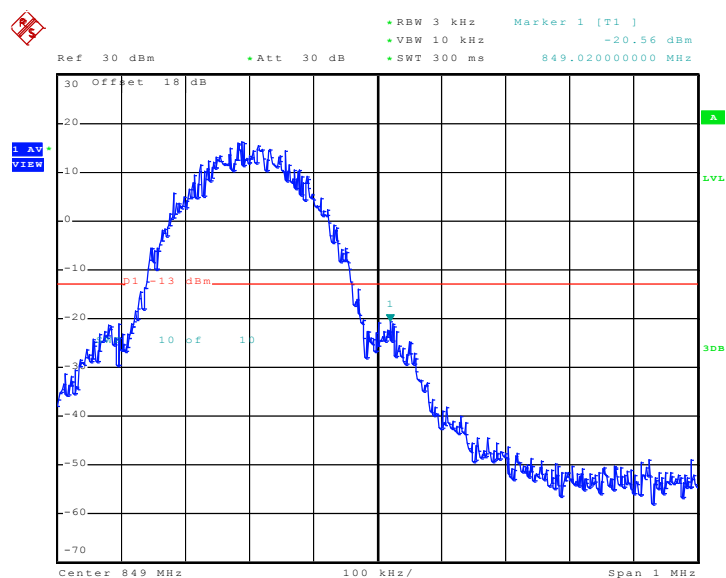


Date: 12.JUL.2010 14:05:12

Higher Band Edge Plot on Channel 251



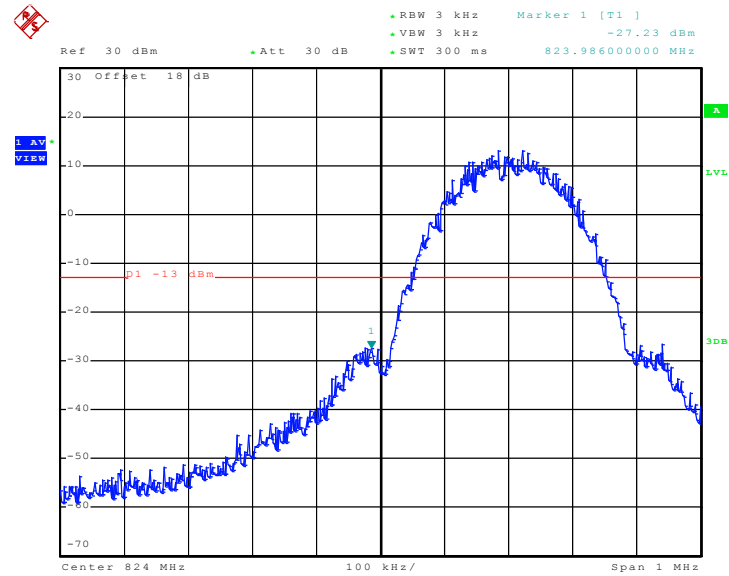
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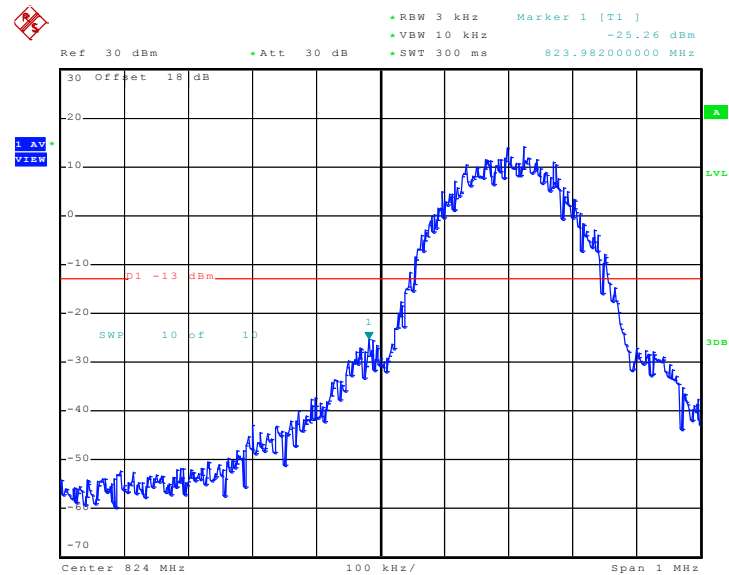
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Band :	GSM850	Power Stage :	High
Test Mode :	EDGE 8 Link		

Lower Band Edge Plot on Channel 128

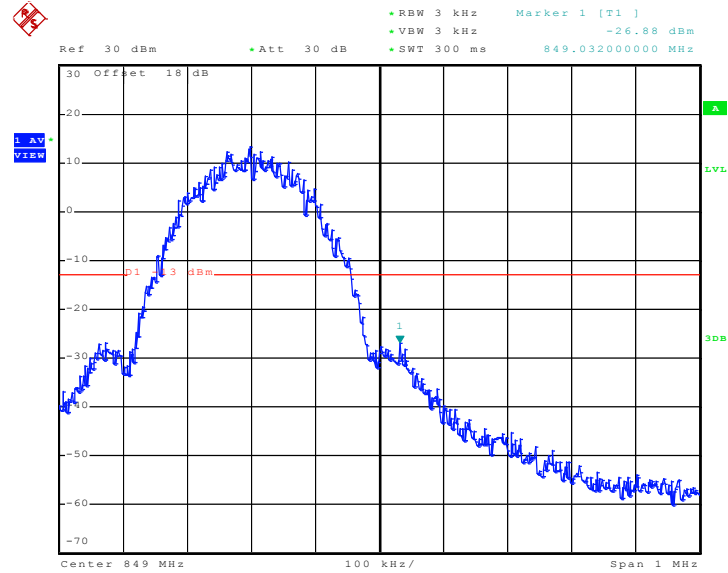
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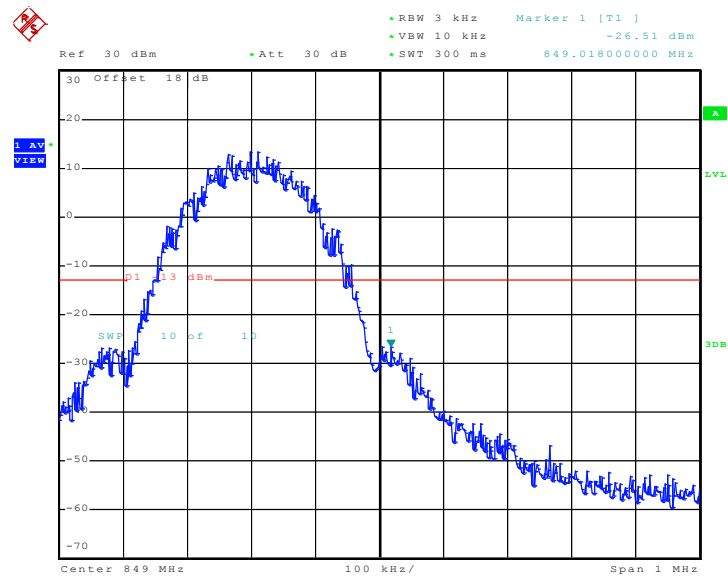
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Higher Band Edge Plot on Channel 251



Date: 12.JUL.2010 14:22:34

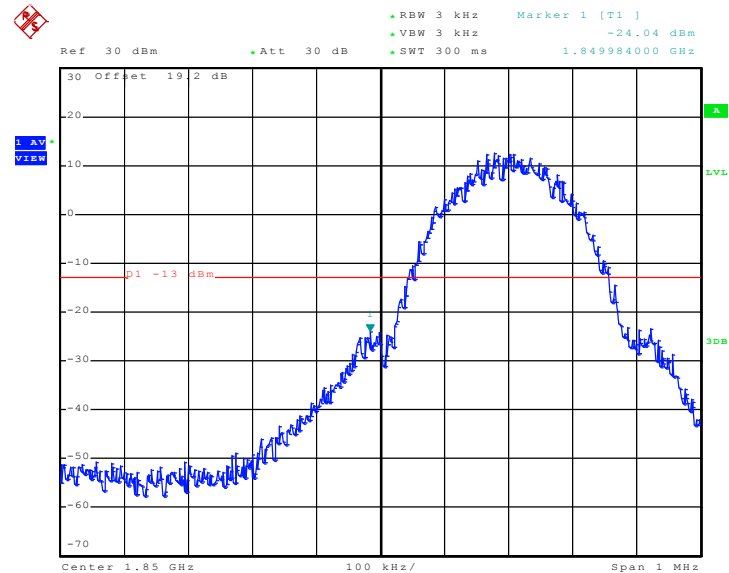


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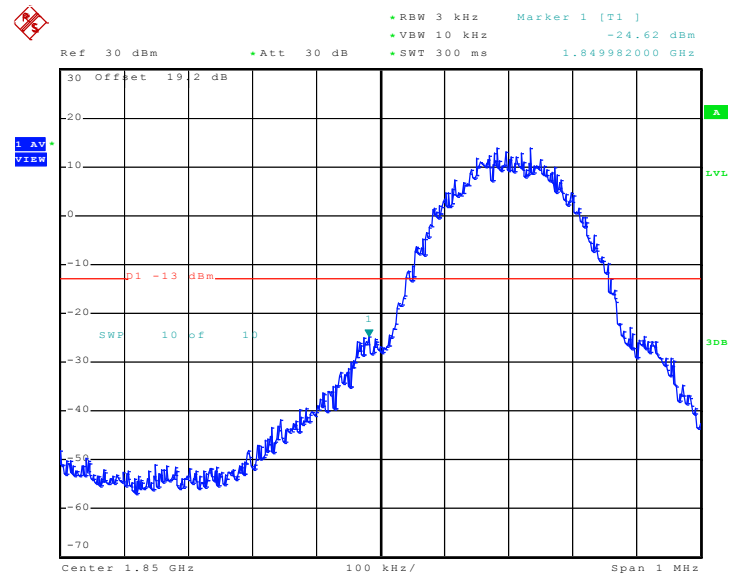


Band :	GSM1900	Power Stage :	High
Test Mode :	GPRS 8 Link		

Lower Band Edge Plot on Channel 512



Date: 12.JUL.2010 14:13:33



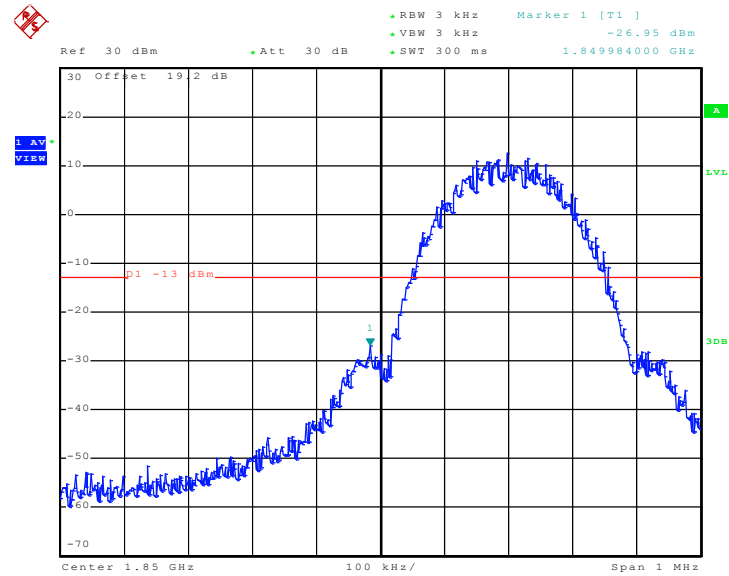
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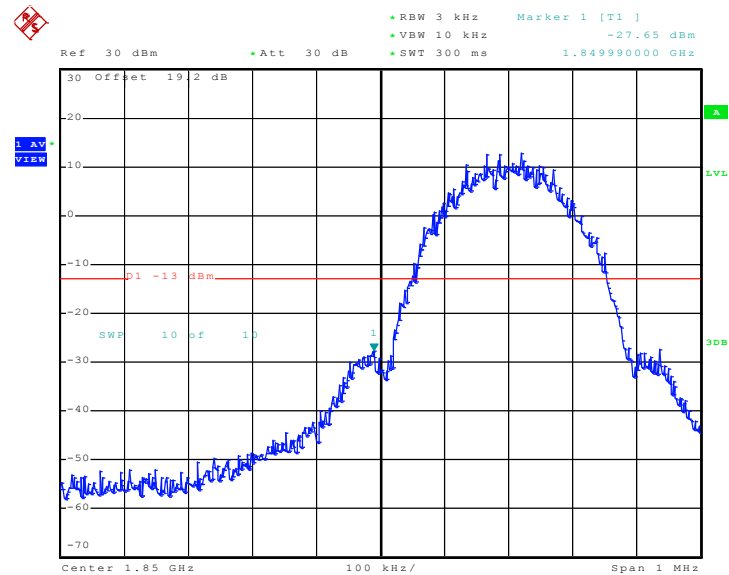


Band :	GSM1900	Power Stage :	High
Test Mode :	EDGE 8 Link		

Lower Band Edge Plot on Channel 512



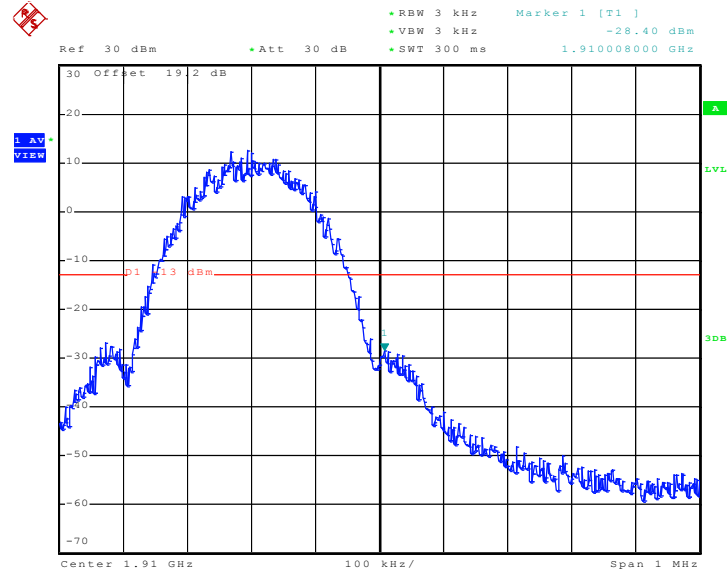
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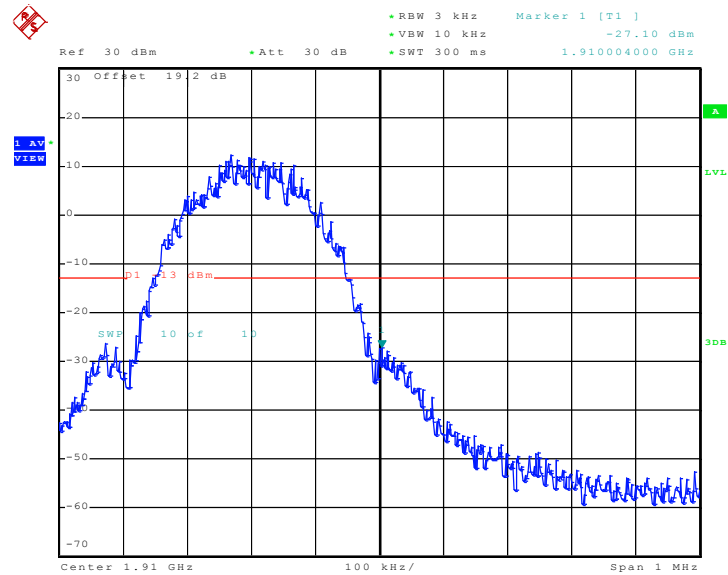
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Higher Band Edge Plot on Channel 810



Date: 12.JUL.2010 14:32:47

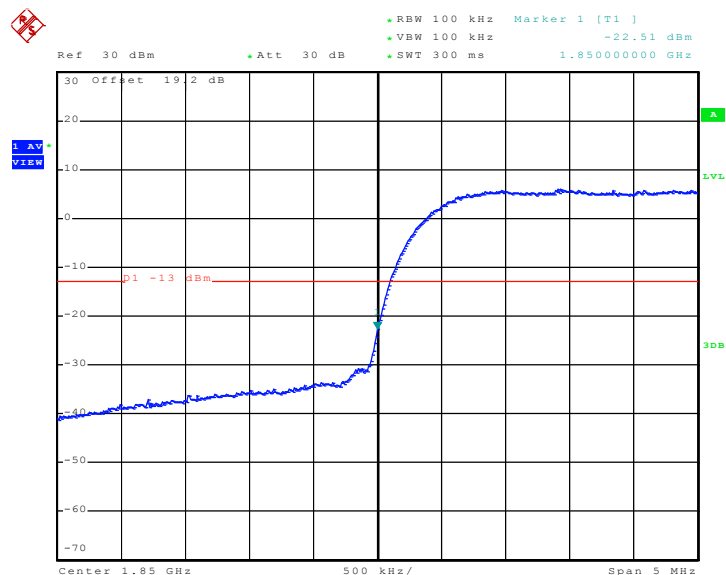


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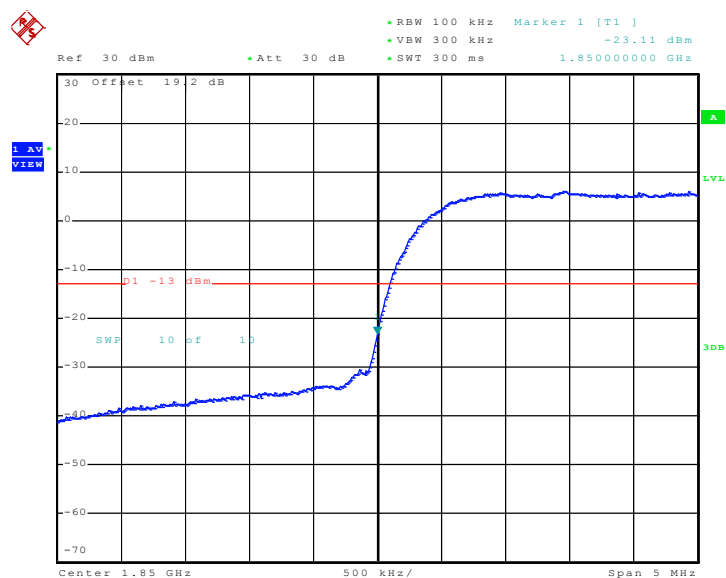


Band :	WCDMA Band II	Power Stage :	High
Test Mode :	RMC 12.2Kbps Link		

Lower Band Edge Plot on Channel 9262



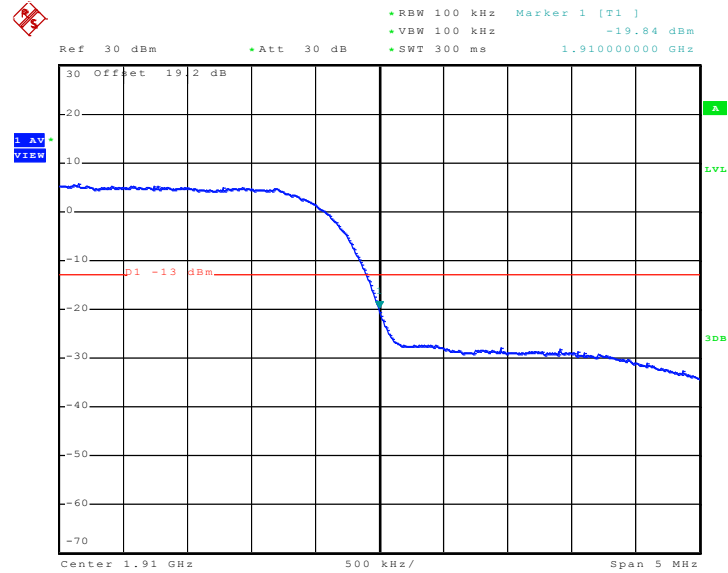
Date: 12.JUL.2010 14:57:24



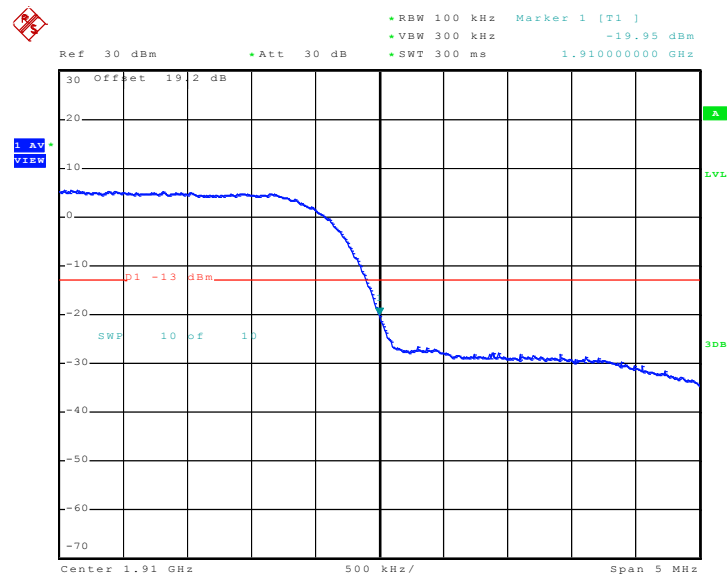
Date: 12.JUL.2010 14:58:20



Higher Band Edge Plot on Channel 9538

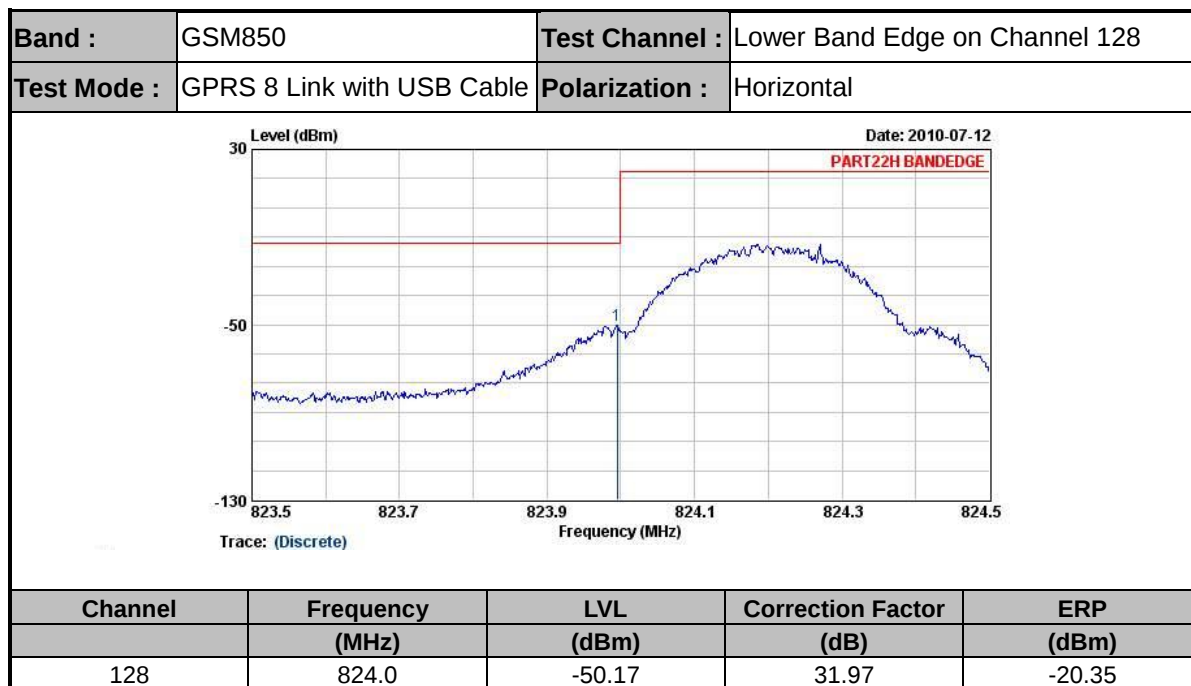


Date: 12.JUL.2010 14:57:50

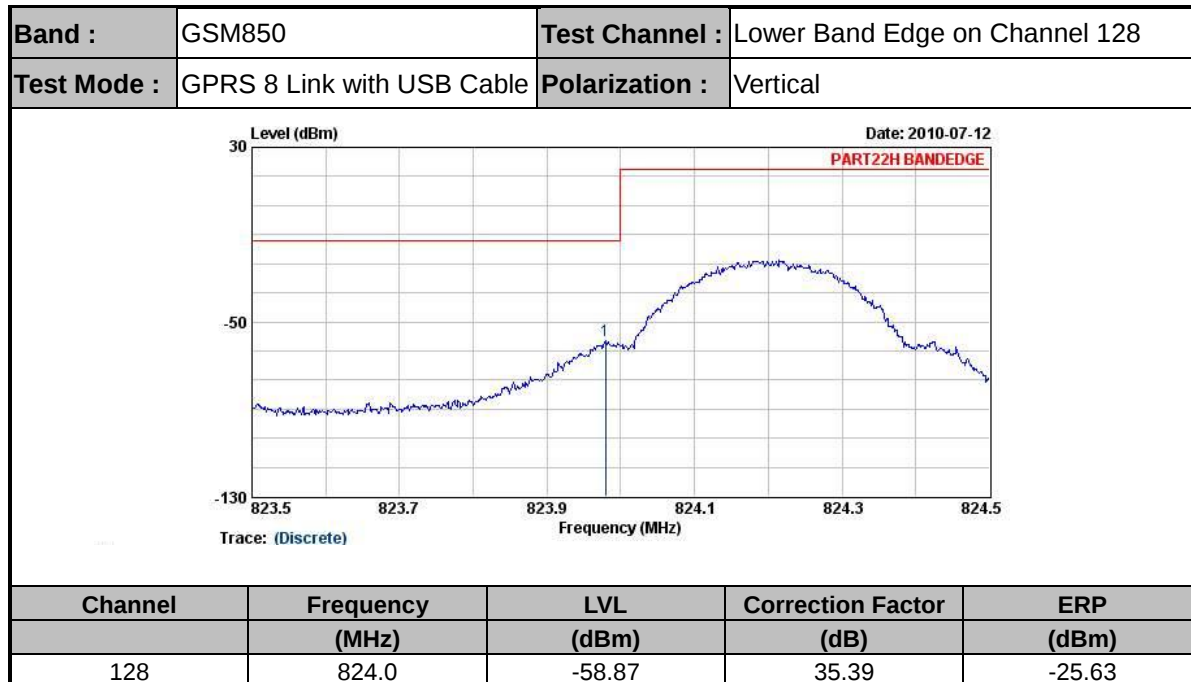


Date: 12.JUL.2010 14:58:51

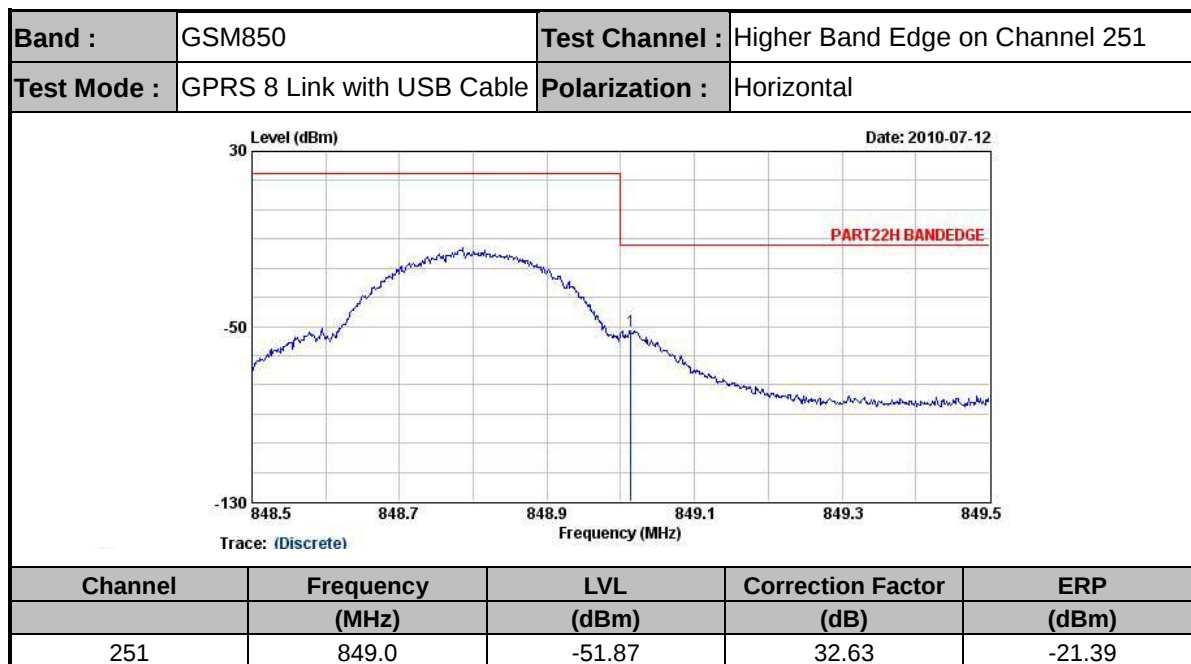
3.3.6 Test Result of Radiated Band Edge



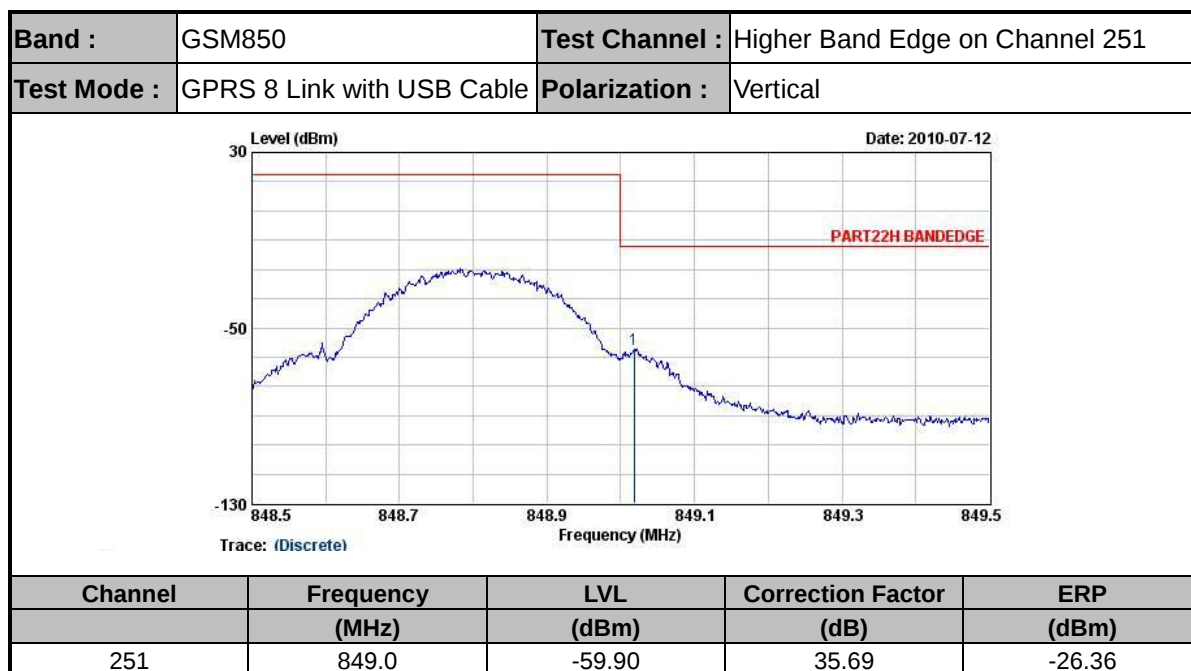
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



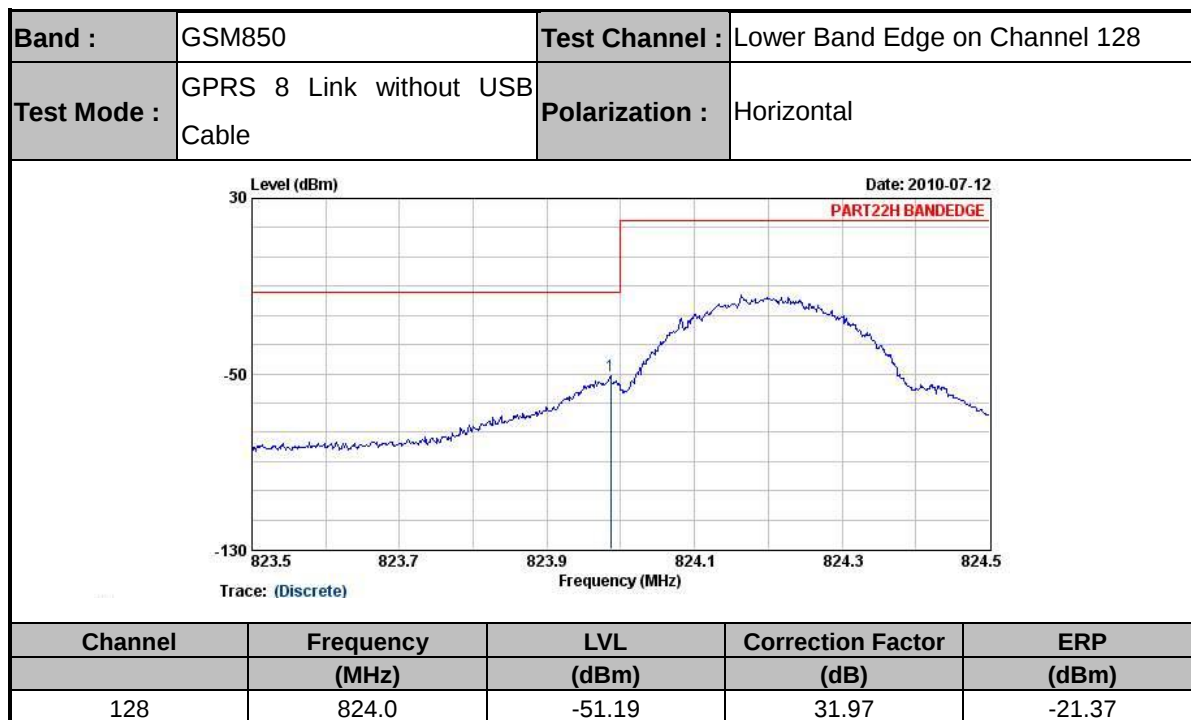
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



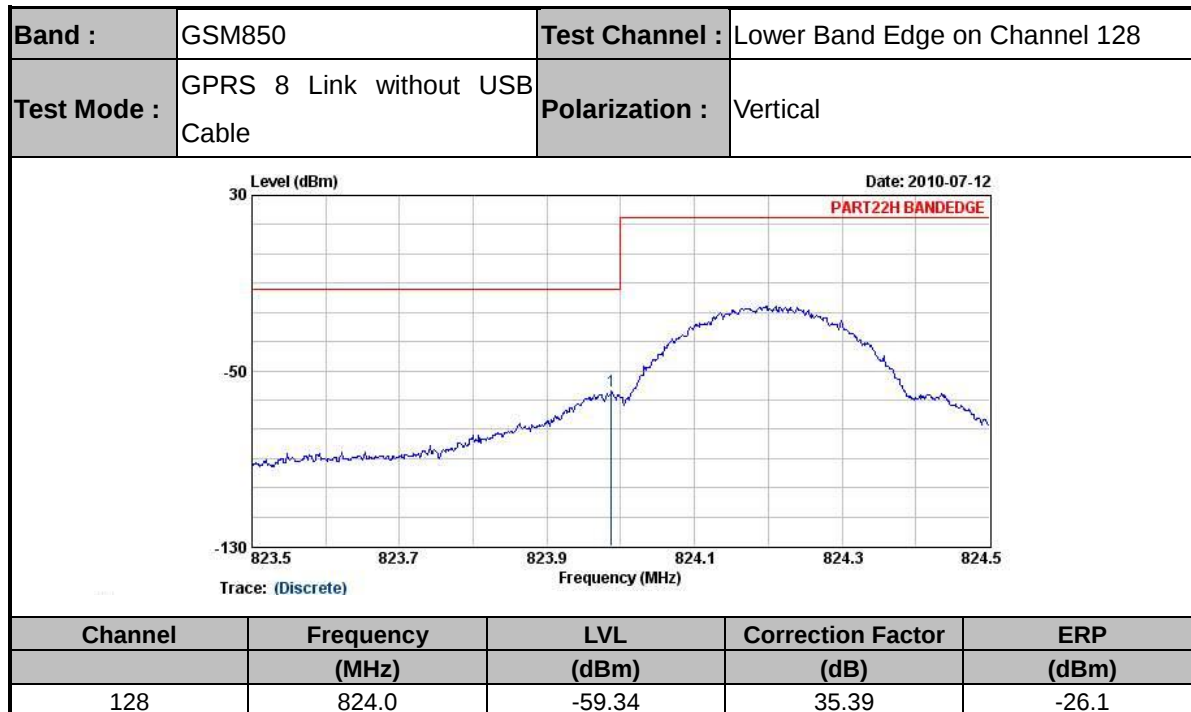
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



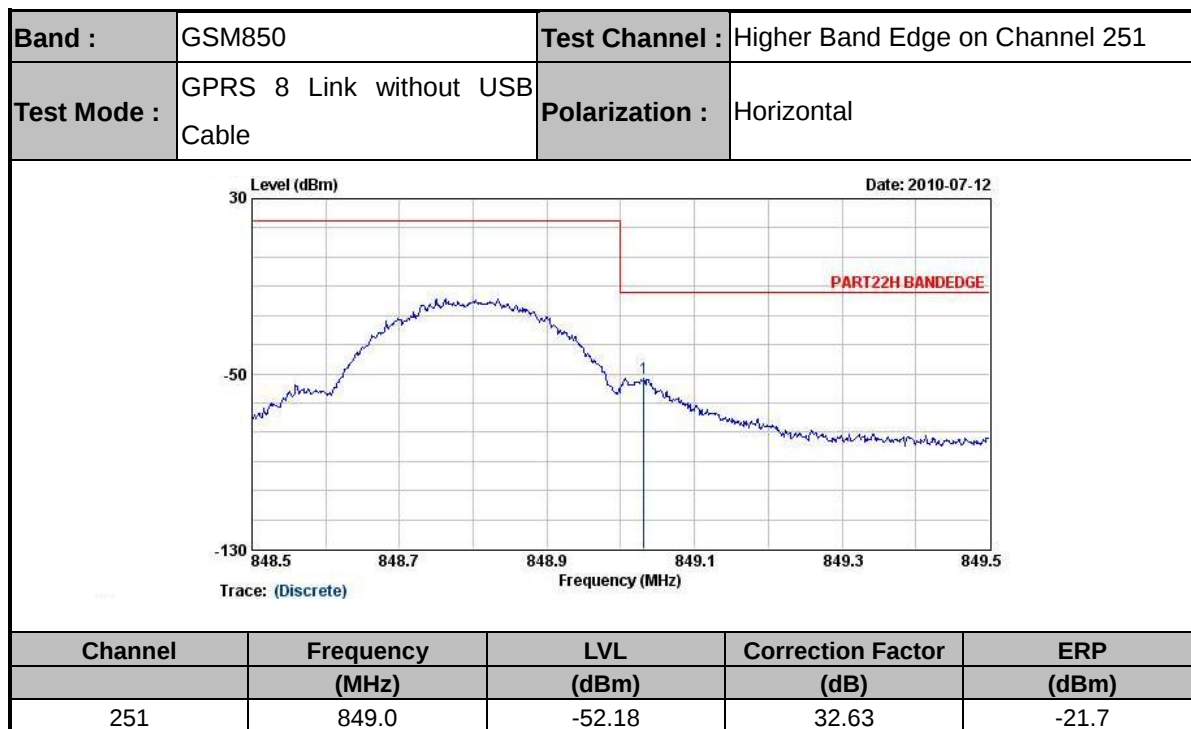
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



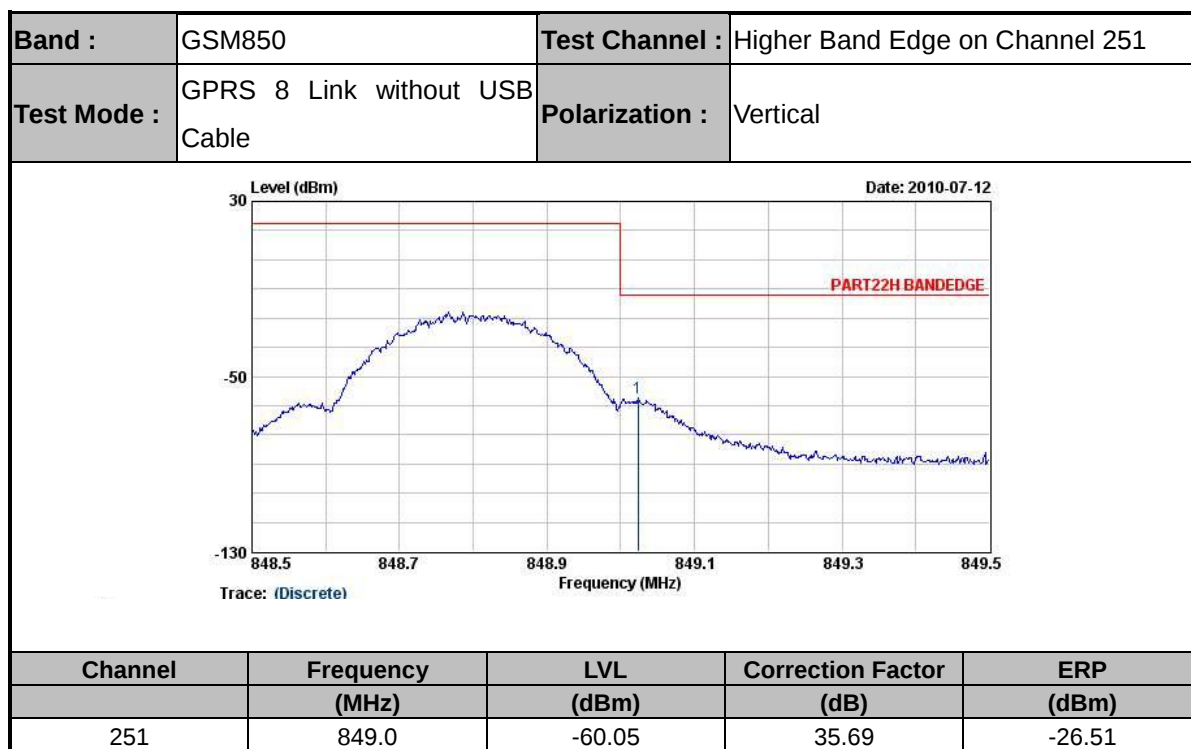
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



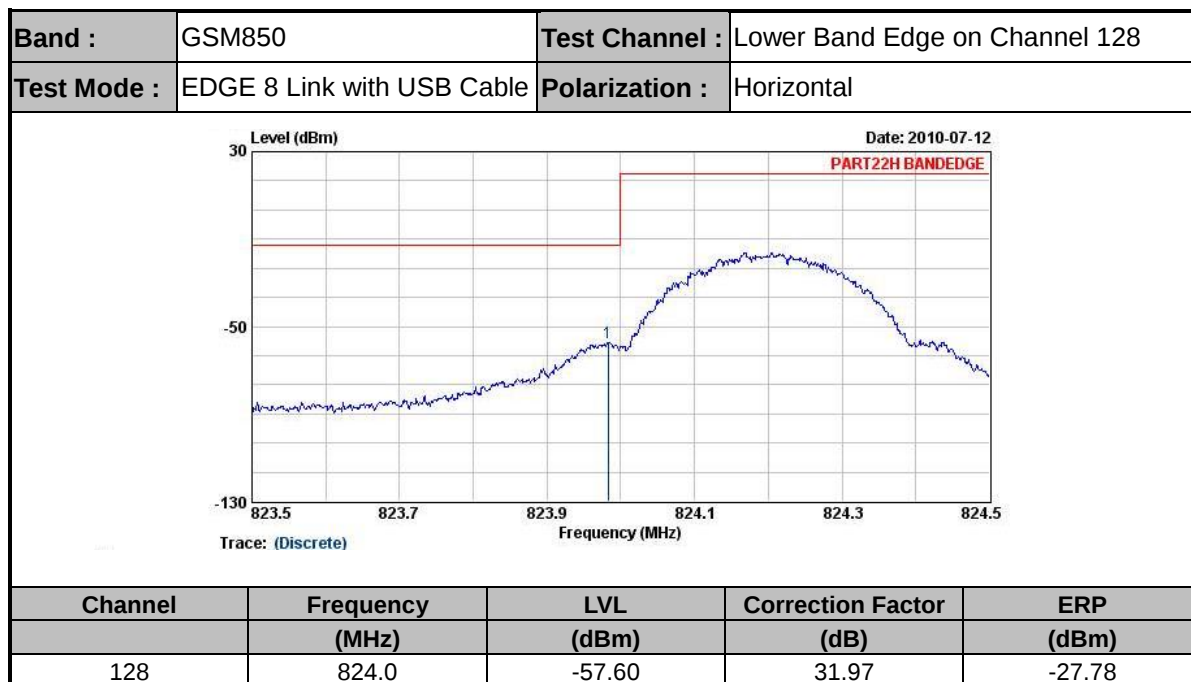
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



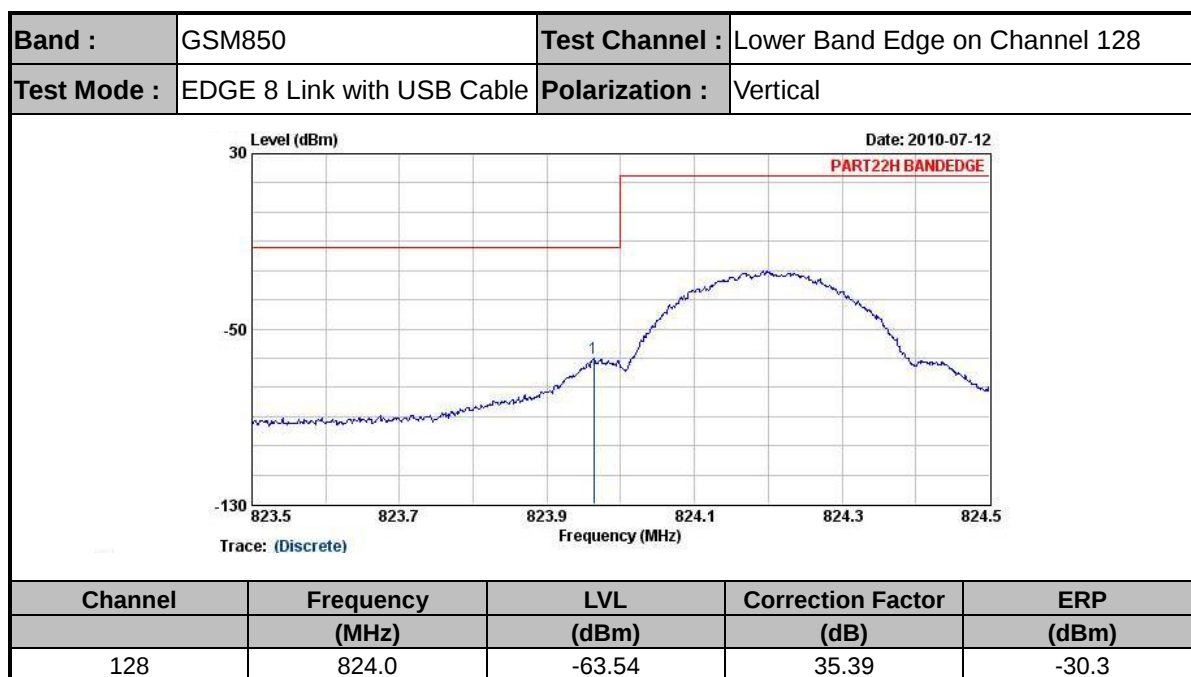
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



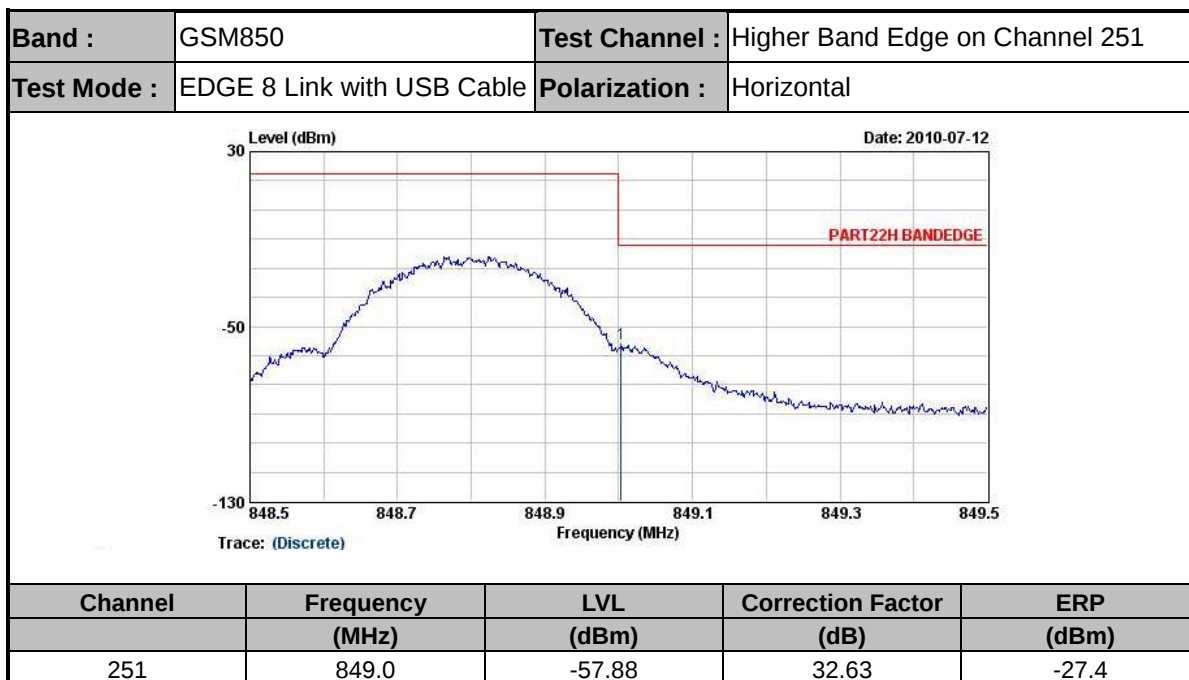
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



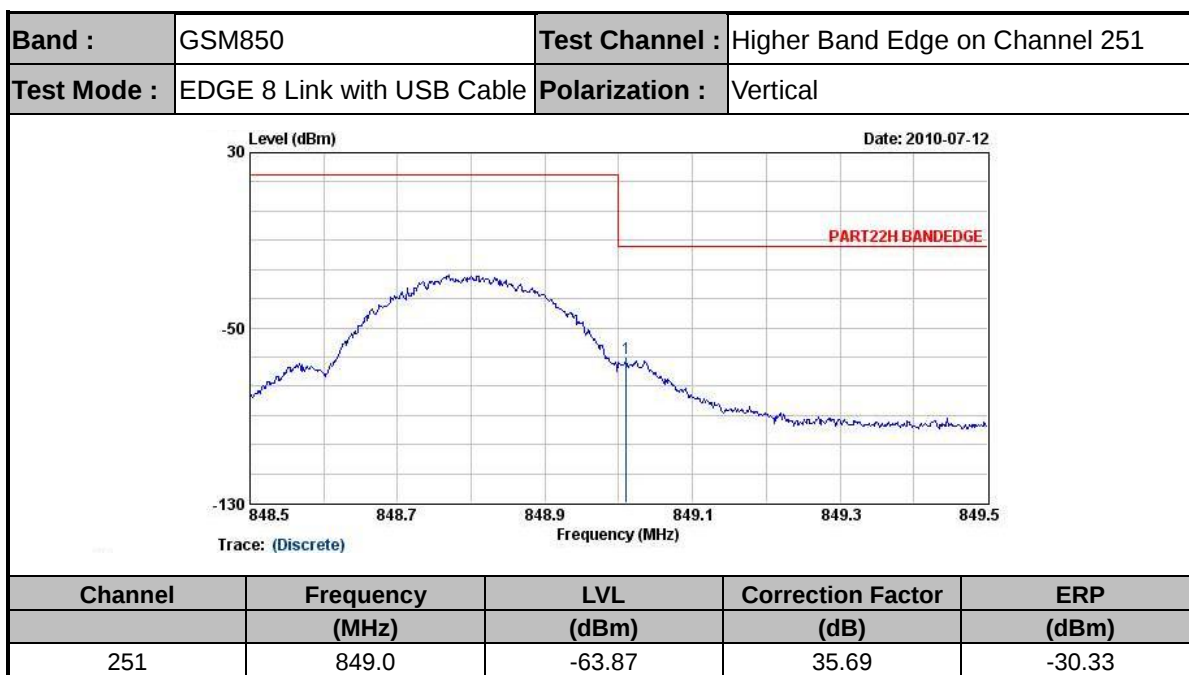
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



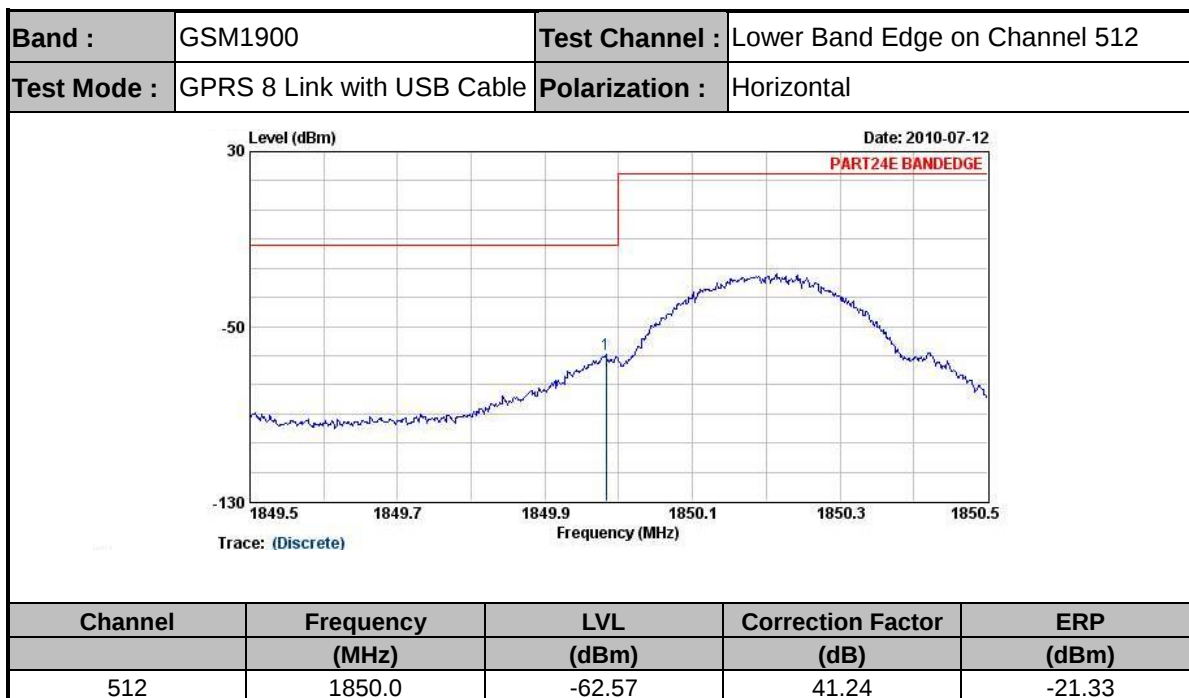
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



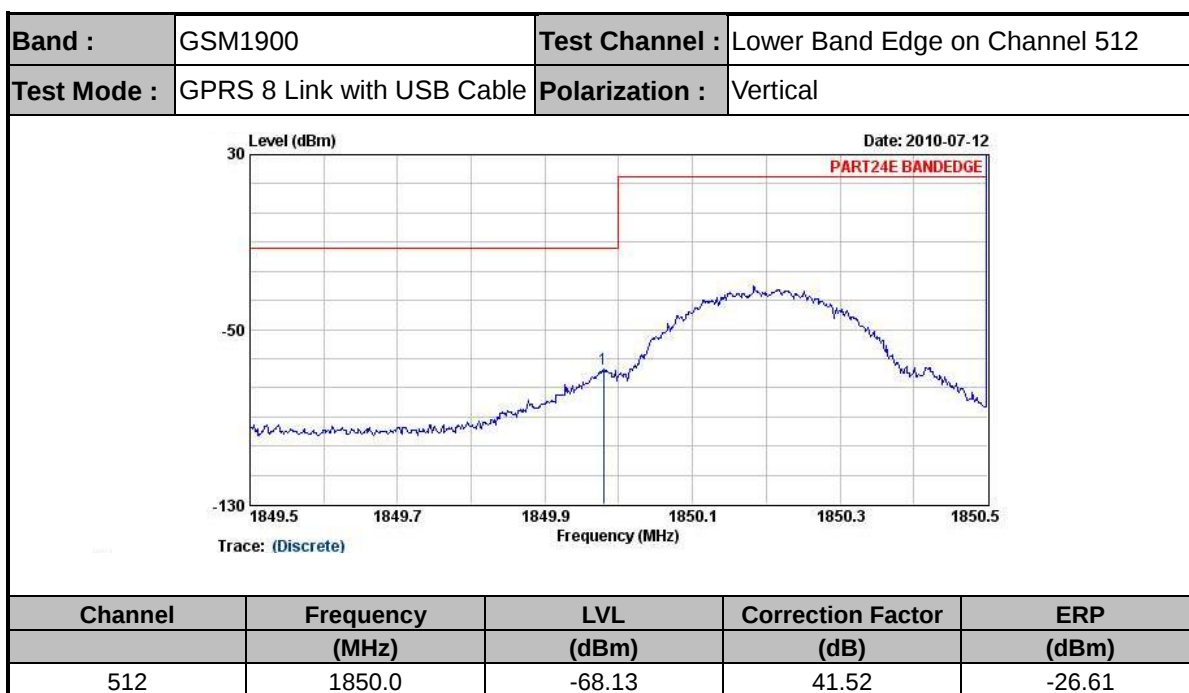
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



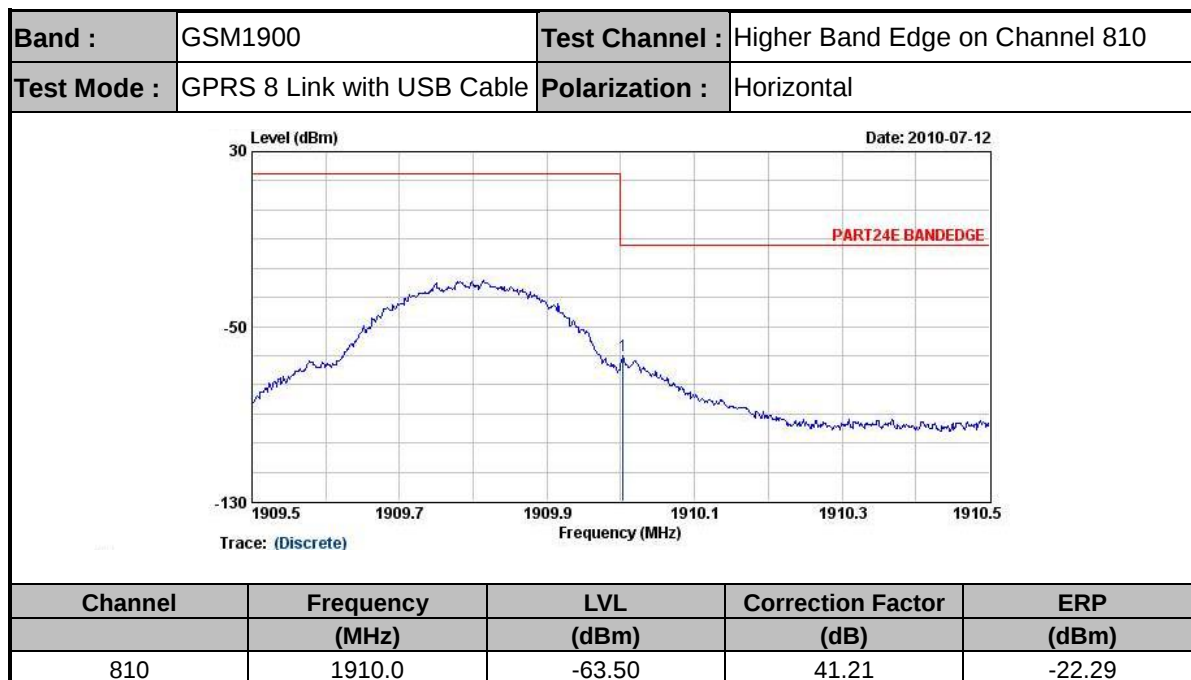
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



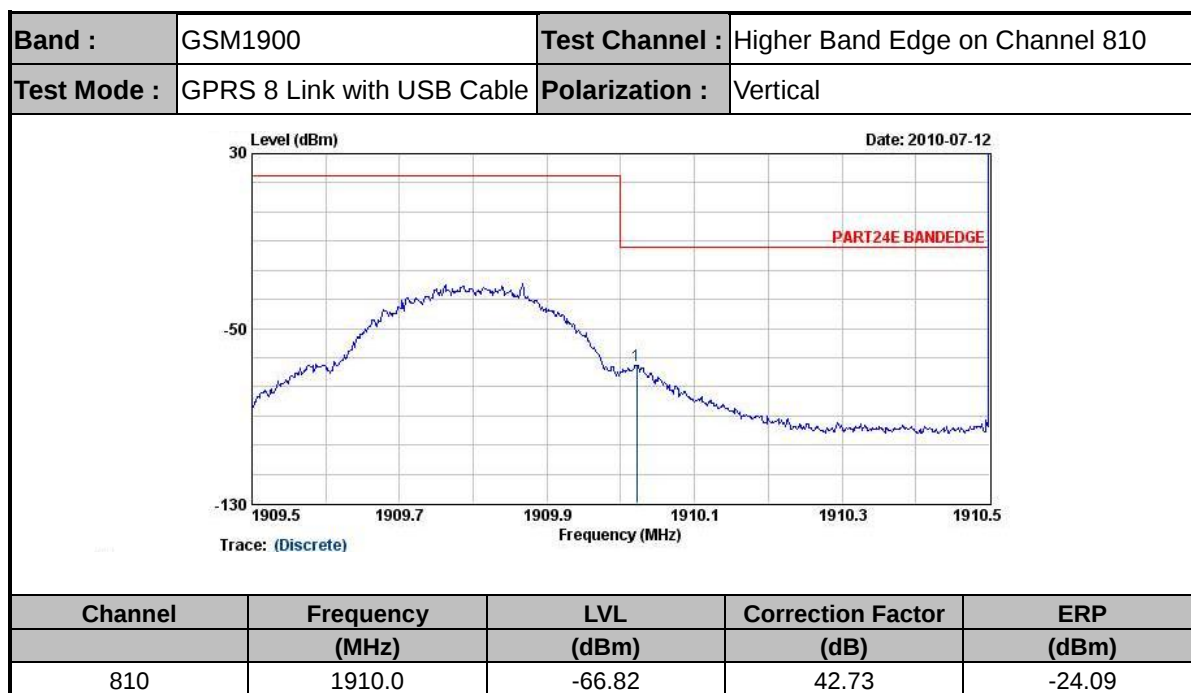
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



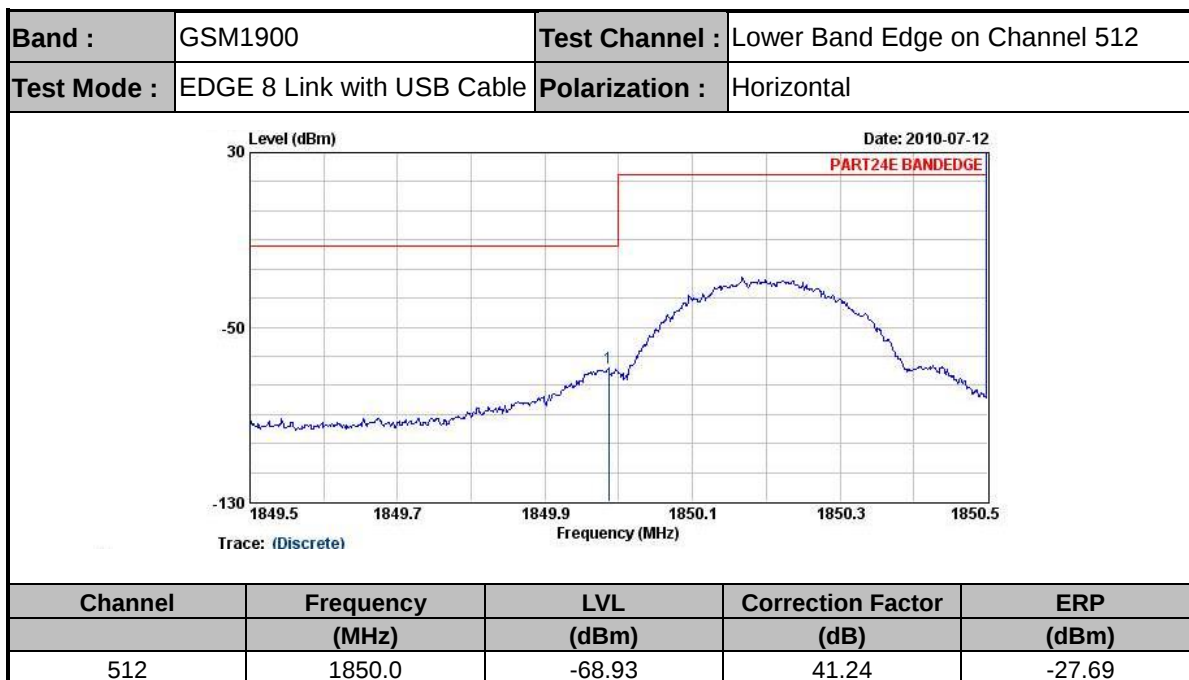
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



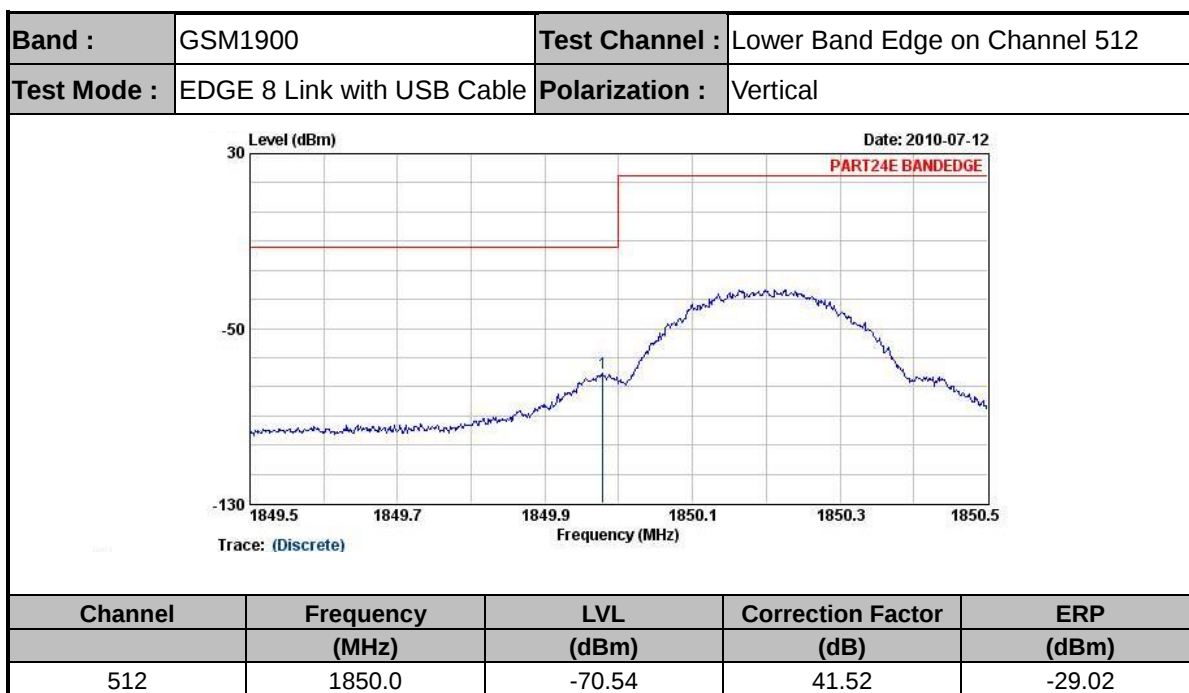
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



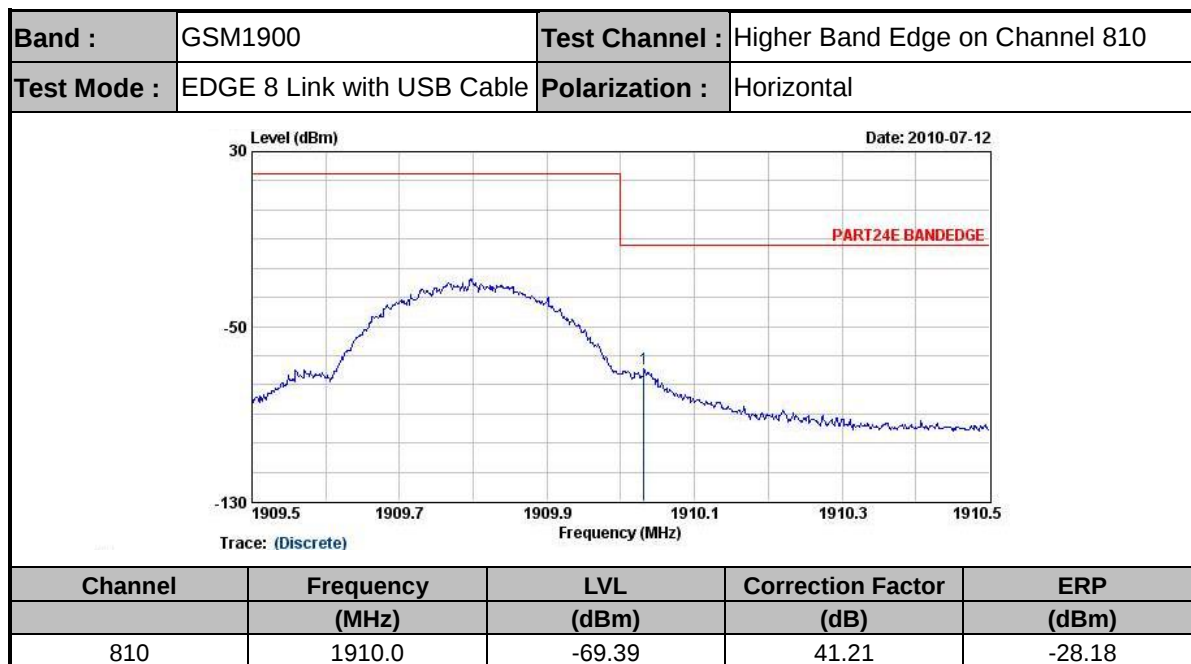
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



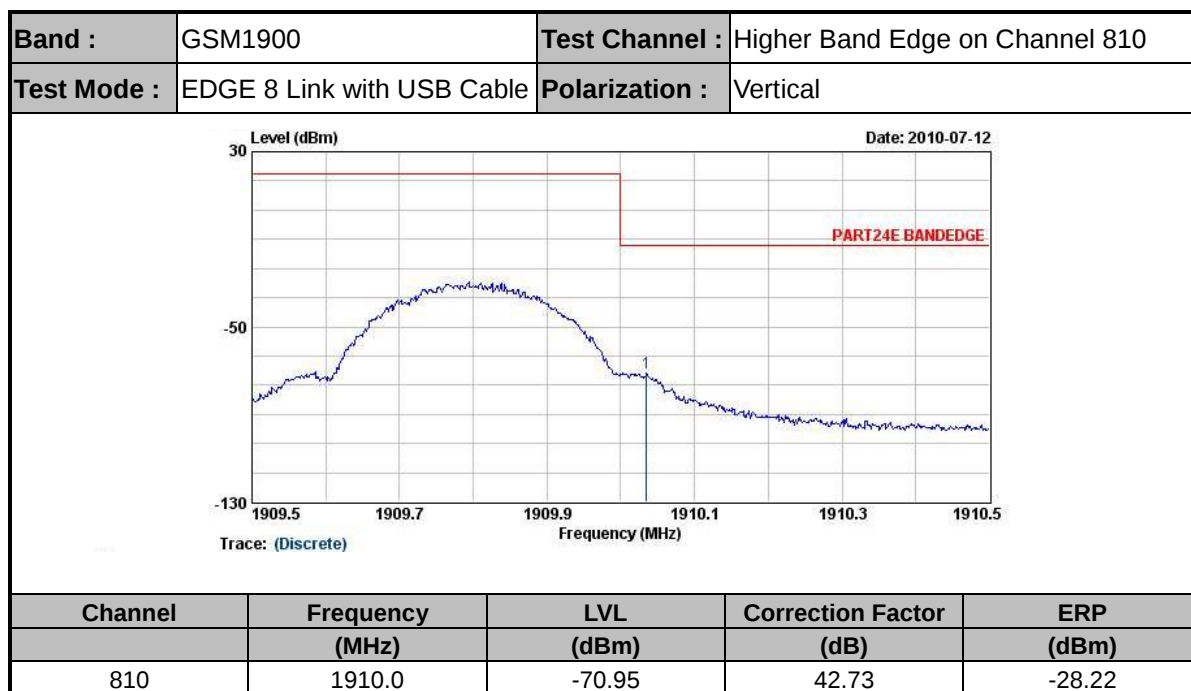
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



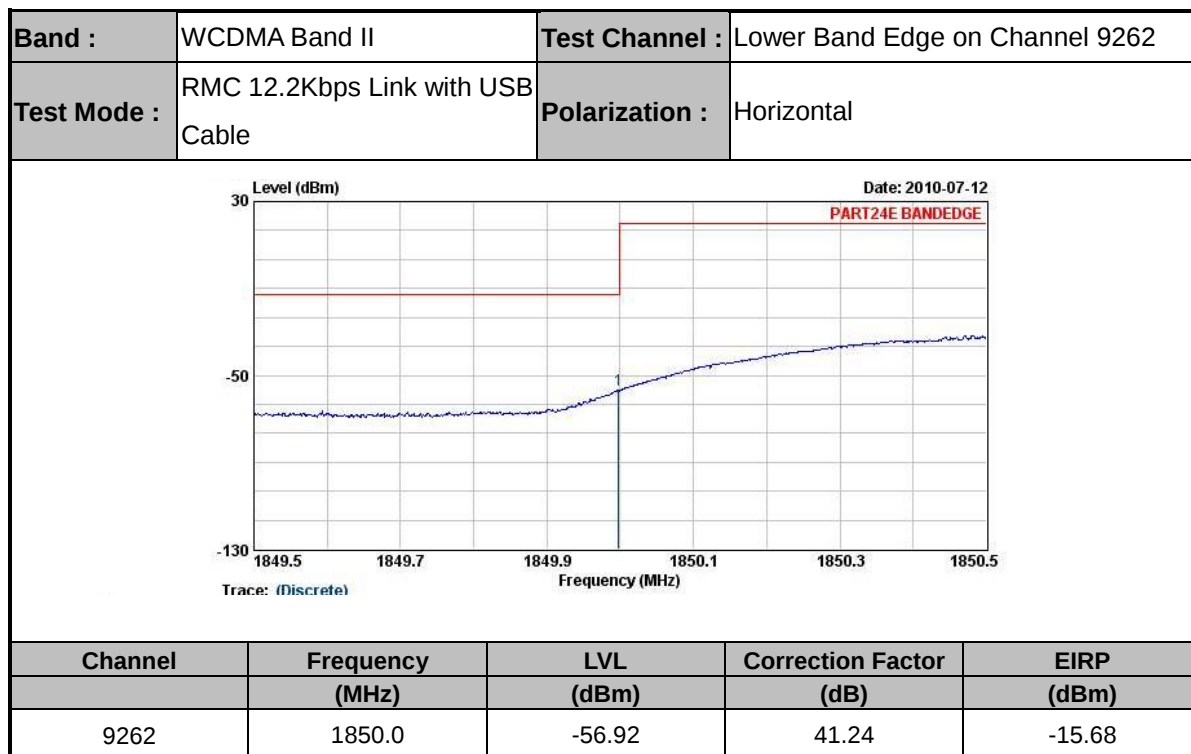
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



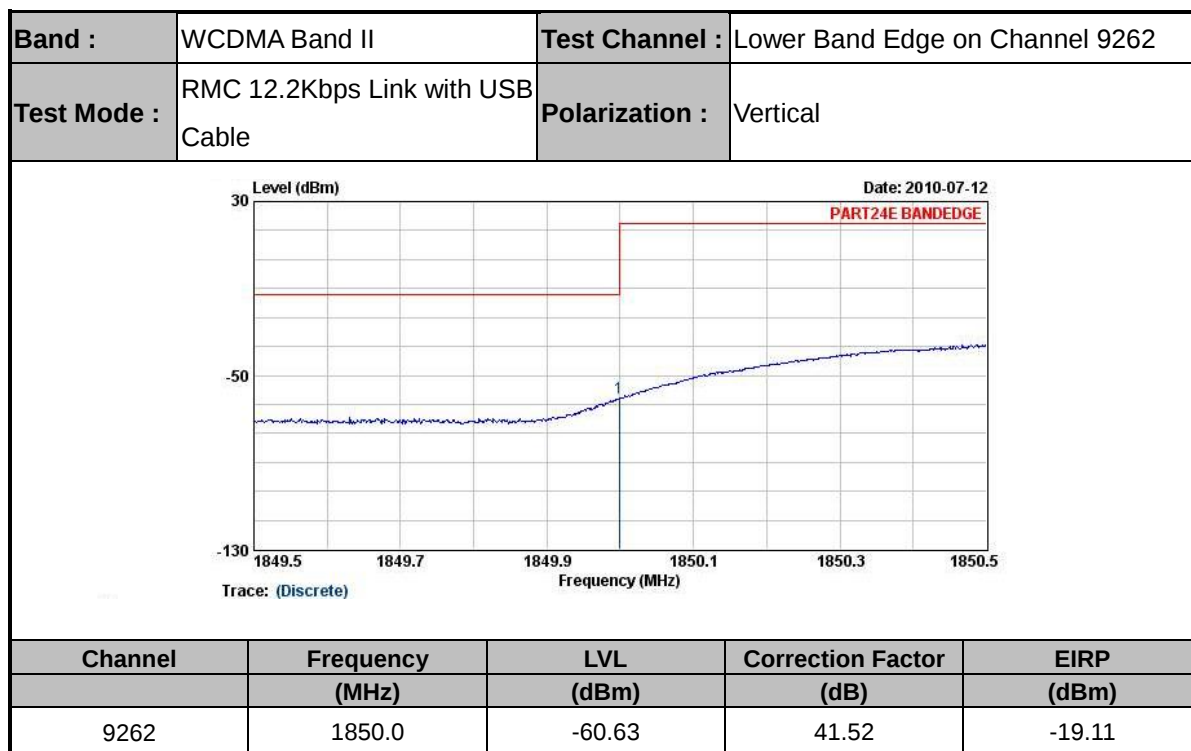
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



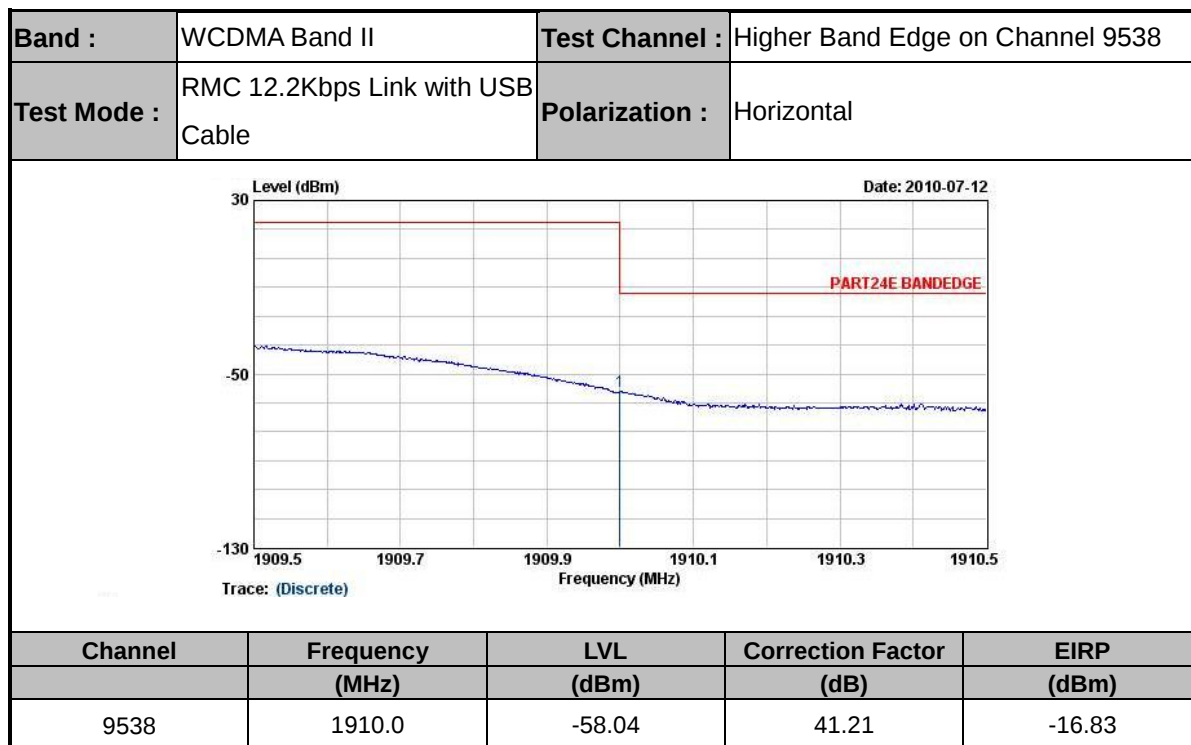
Spectrum Setting : RBW = 3 kHz, VBW = 3 kHz, Sweep = 300 ms



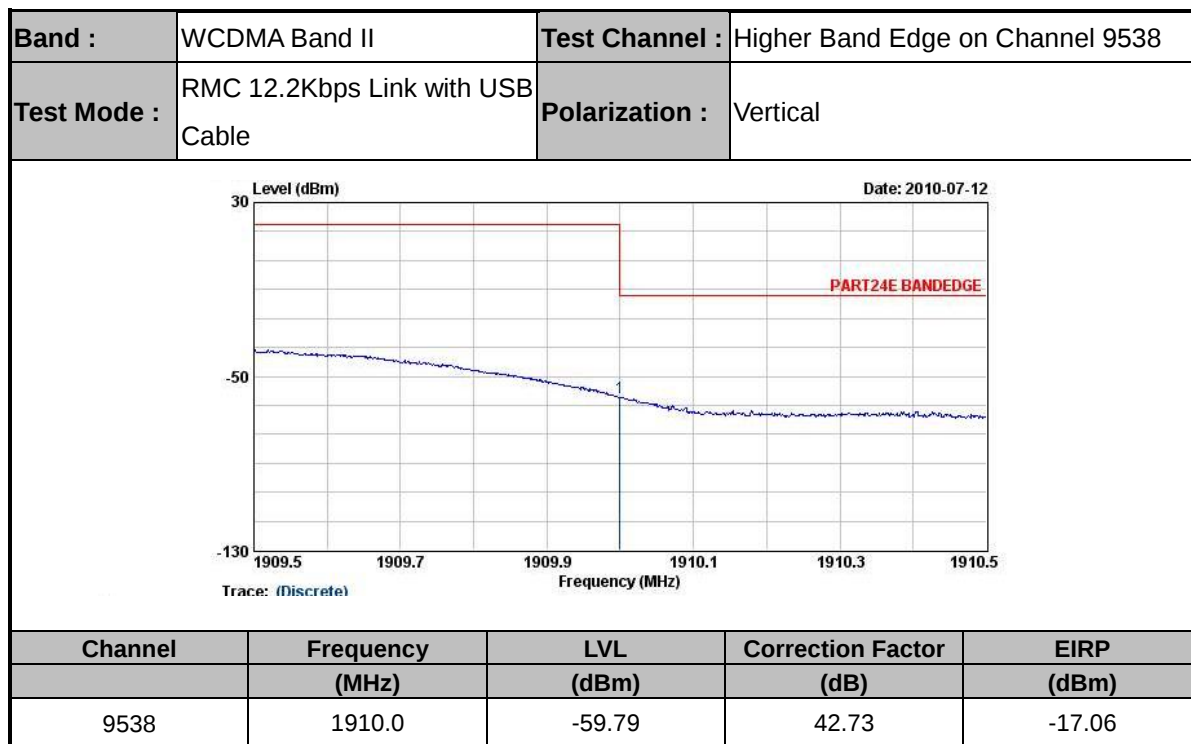
Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



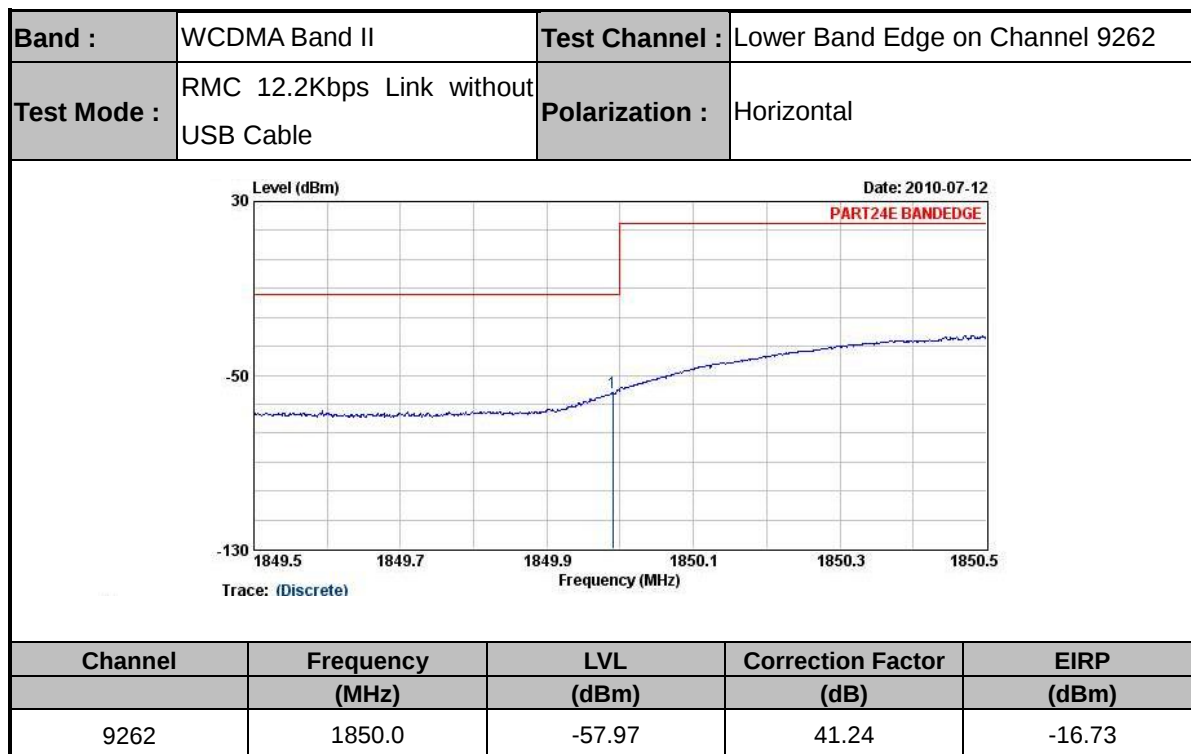
Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



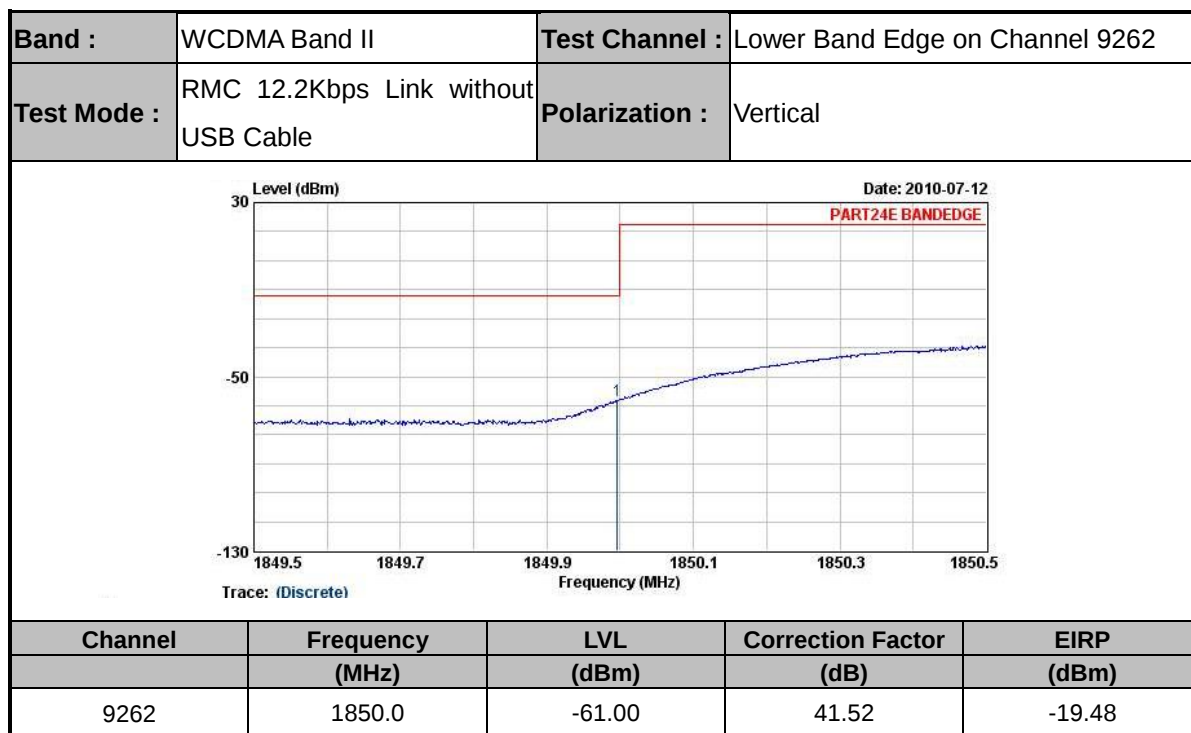
Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



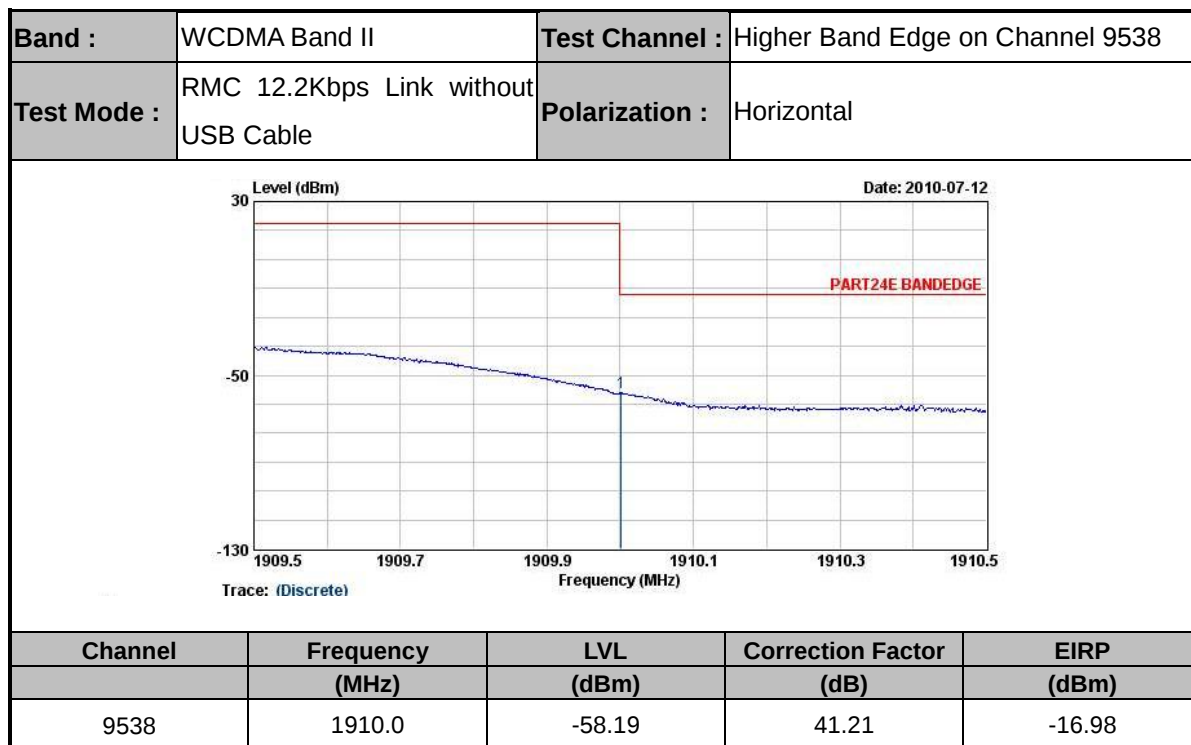
Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



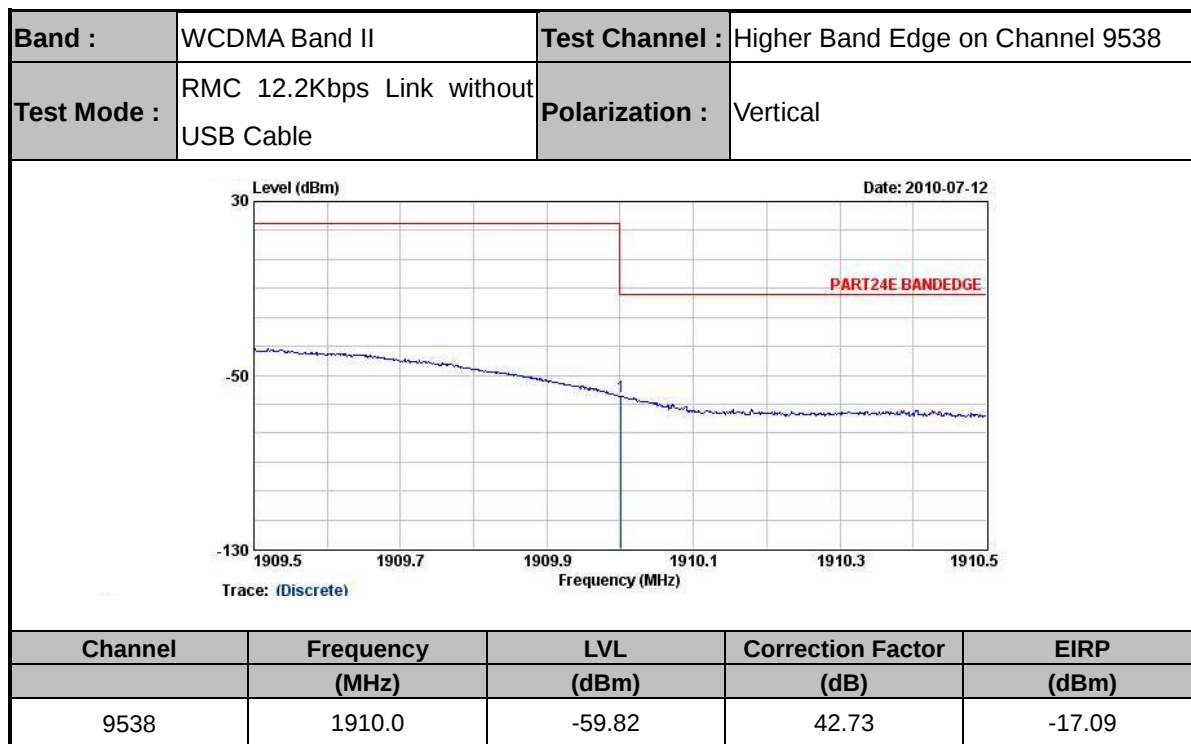
Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms



Spectrum Setting : RBW = 100 kHz, VBW = 100 kHz, Sweep = 300 ms

3.4 Conducted Emission Measurement

3.4.1 Description of Conducted Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

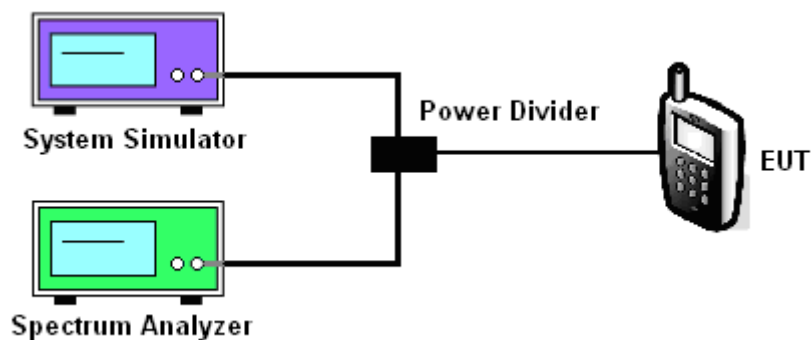
3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 Test Procedures

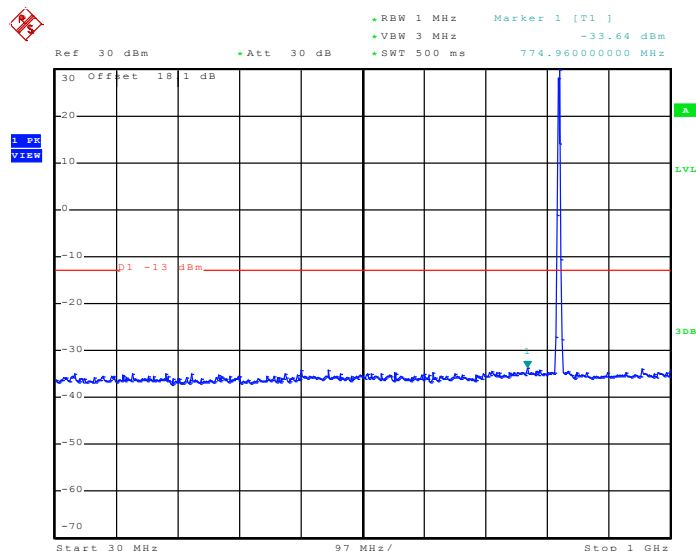
1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The middle channel for the highest RF power within the transmitting frequency was measured.
3. The conducted spurious emission for the whole frequency range was taken.

3.4.4 Test Setup

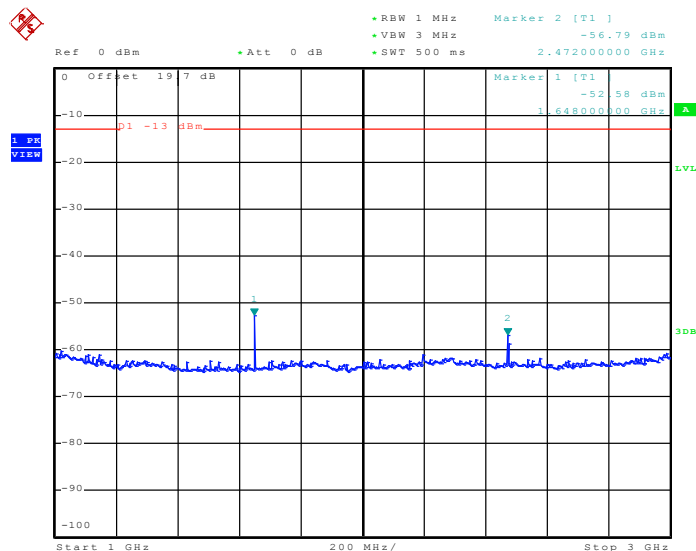


3.4.5 Test Result (Plots) of Conducted Emission

Band :	GSM850	Channel :	CH128
Test Mode :	GPRS 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz


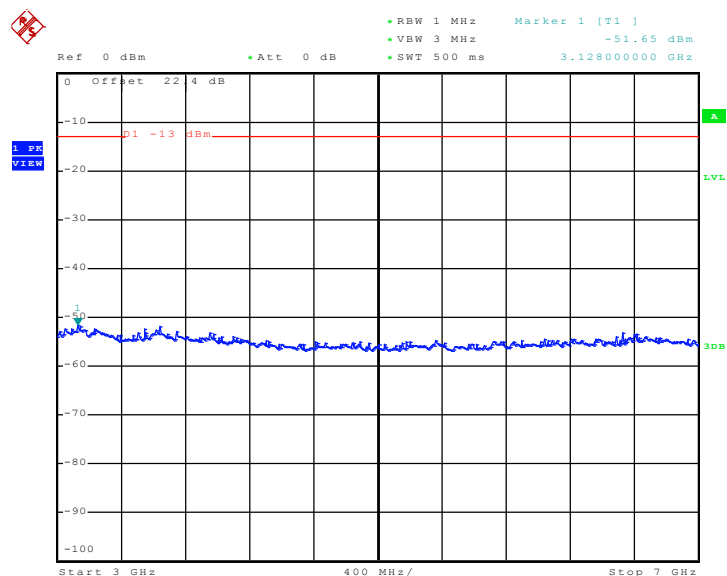
Date: 14.JUL.2010 15:46:56

Conducted Emission Plot between 1GHz ~ 3GHz


Date: 14.JUL.2010 15:53:20

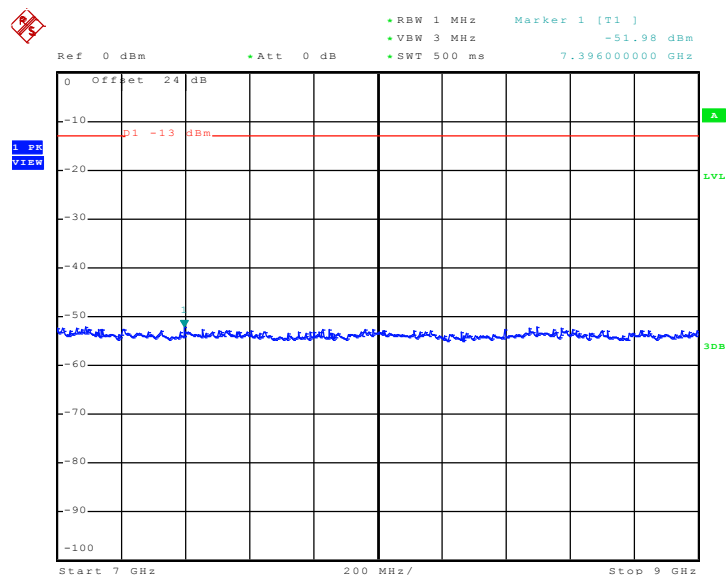


Conducted Emission Plot between 3GHz ~ 7GHz



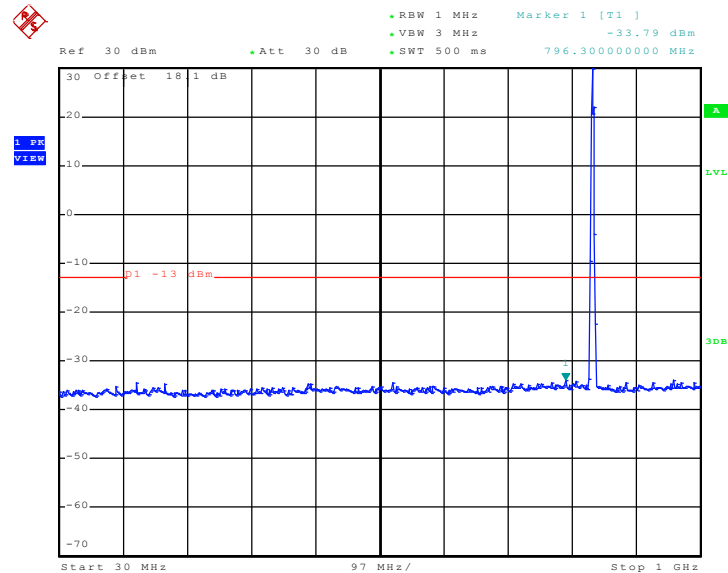
Date: 14.JUL.2010 15:56:36

Conducted Emission Plot between 7GHz ~ 9GHz

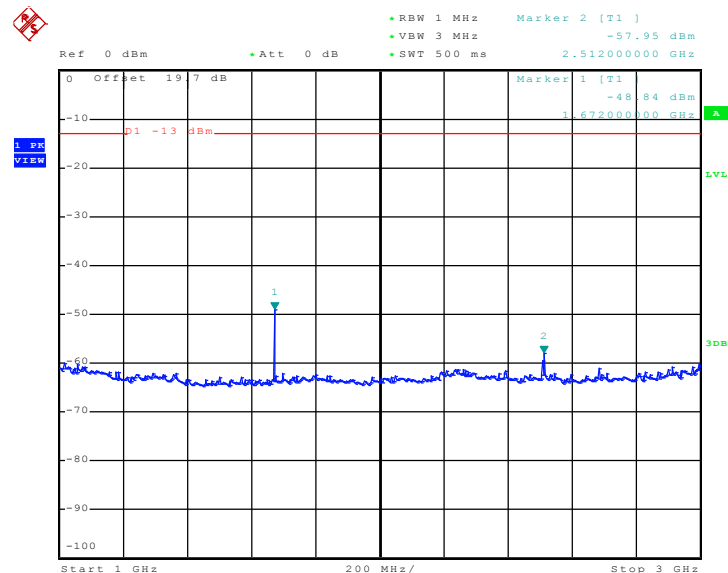


Date: 14.JUL.2010 16:02:12

Band :	GSM850	Channel :	CH189
Test Mode :	GPRS 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz


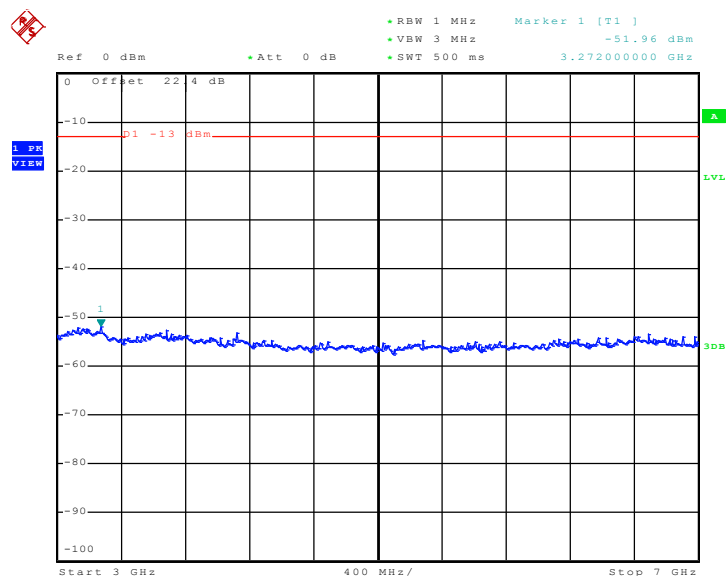
Date: 14.JUL.2010 15:48:03

Conducted Emission Plot between 1GHz ~ 3GHz


Date: 14.JUL.2010 15:52:25

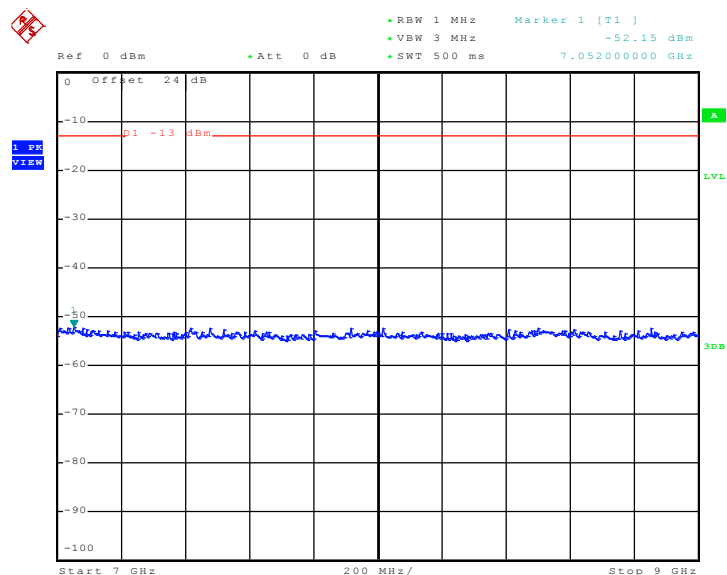


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:57:20

Conducted Emission Plot between 7GHz ~ 9GHz

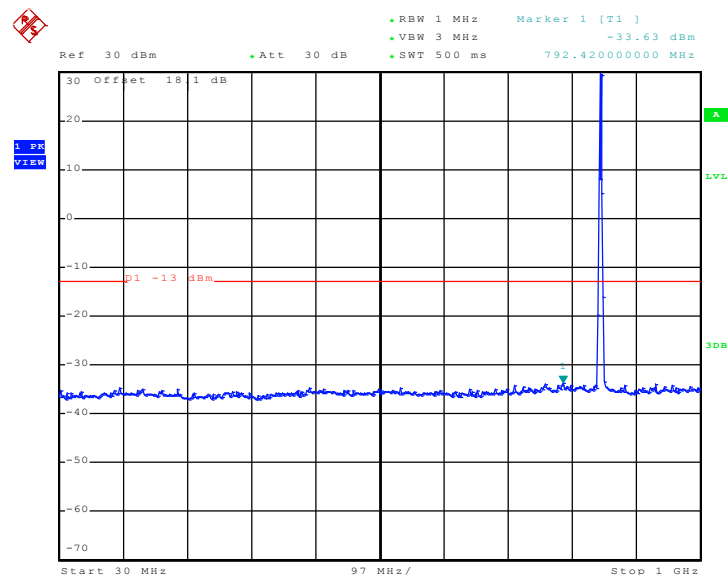


Date: 14.JUL.2010 16:01:26



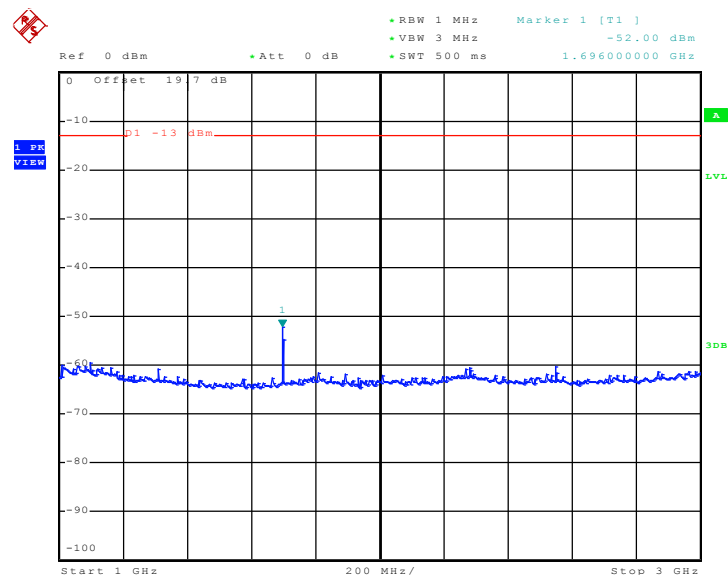
Band :	GSM850	Channel :	CH251
Test Mode :	GPRS 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 15:49:05

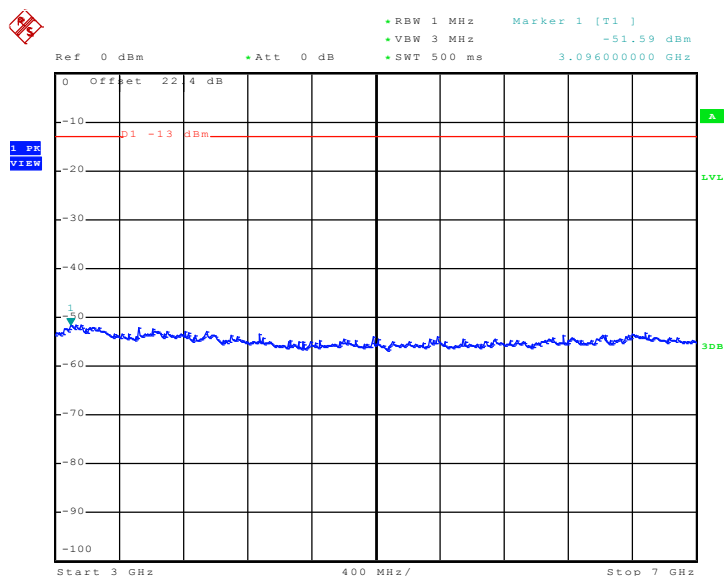
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 15:51:29

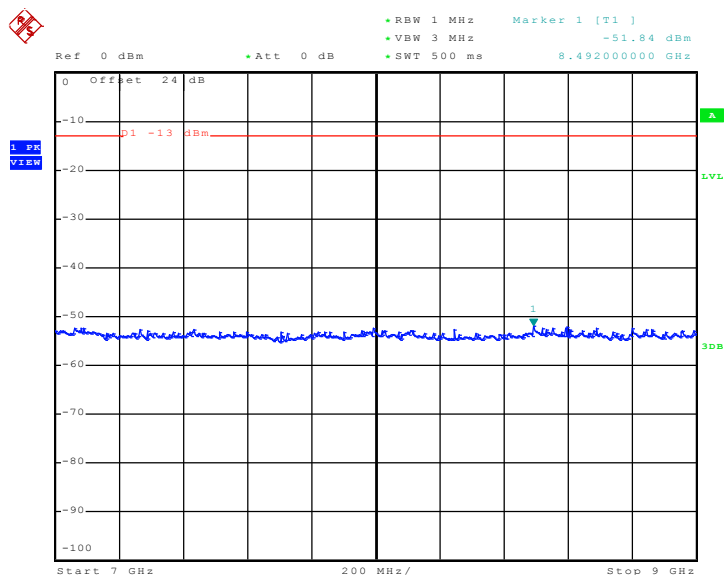


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:59:25

Conducted Emission Plot between 7GHz ~ 9GHz

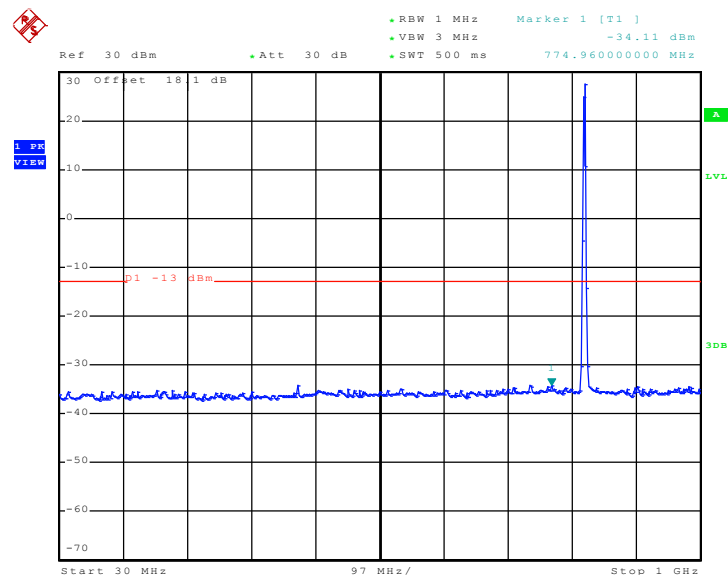


Date: 14.JUL.2010 16:00:38



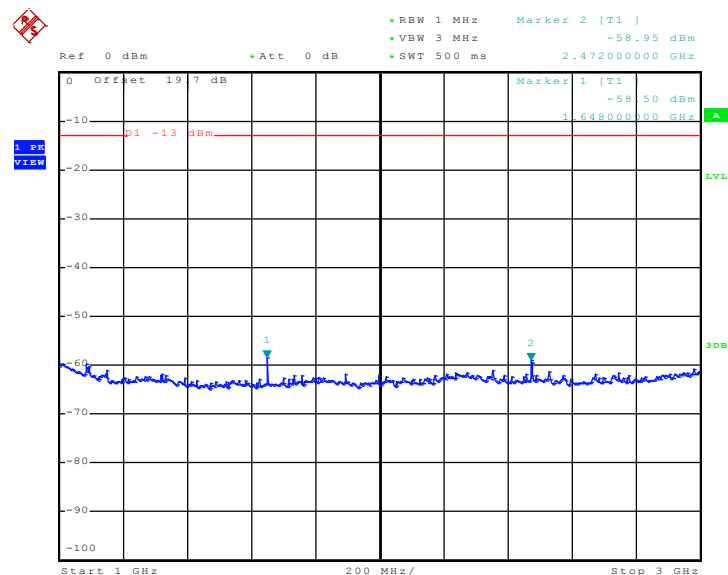
Band :	GSM850	Channel :	CH128
Test Mode :	EDGE 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 16:26:08

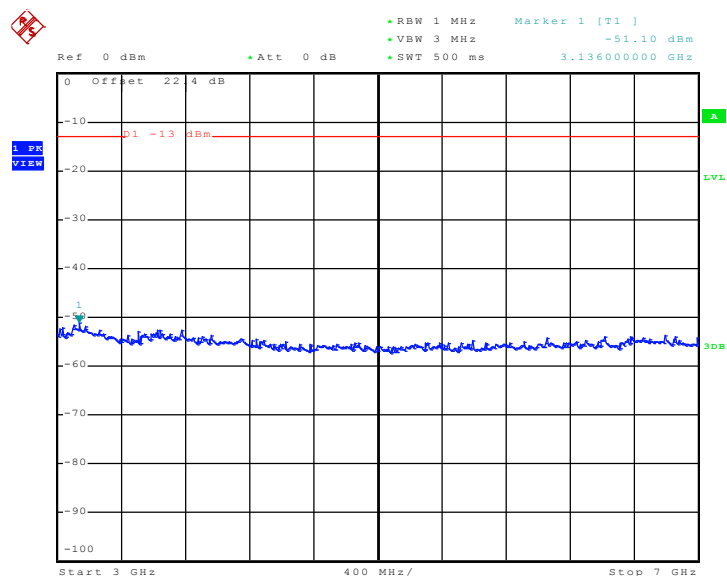
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 16:18:32

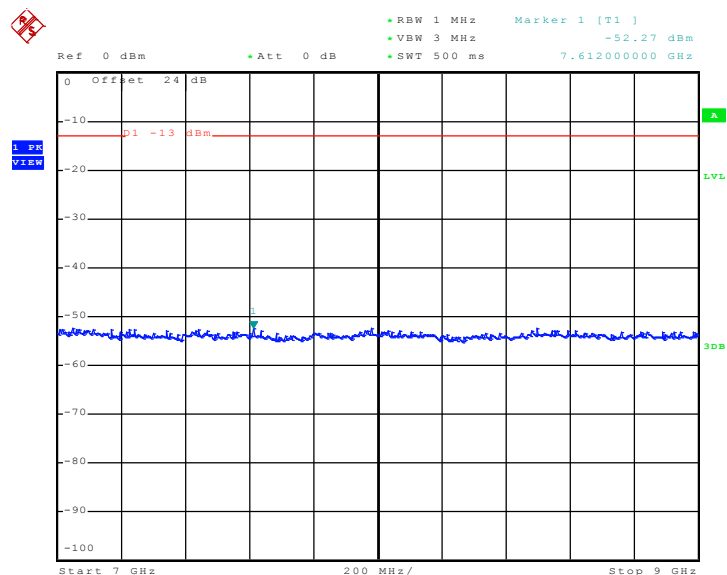


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 16:17:10

Conducted Emission Plot between 7GHz ~ 9GHz

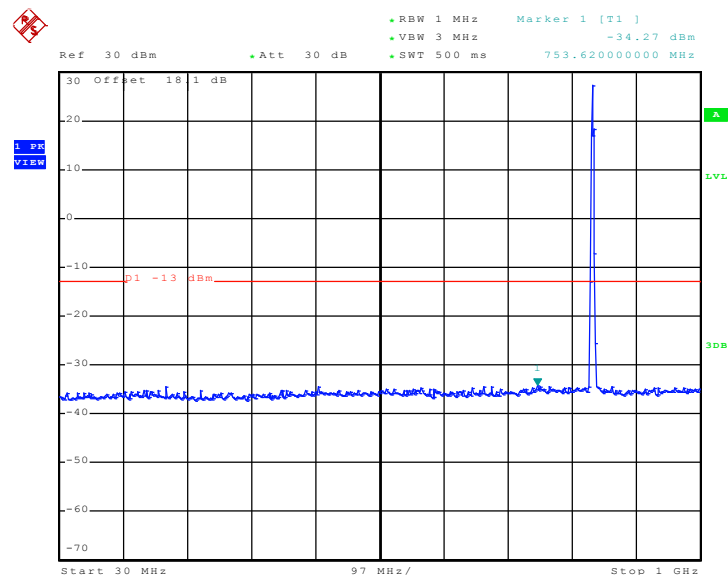


Date: 14.JUL.2010 16:10:17



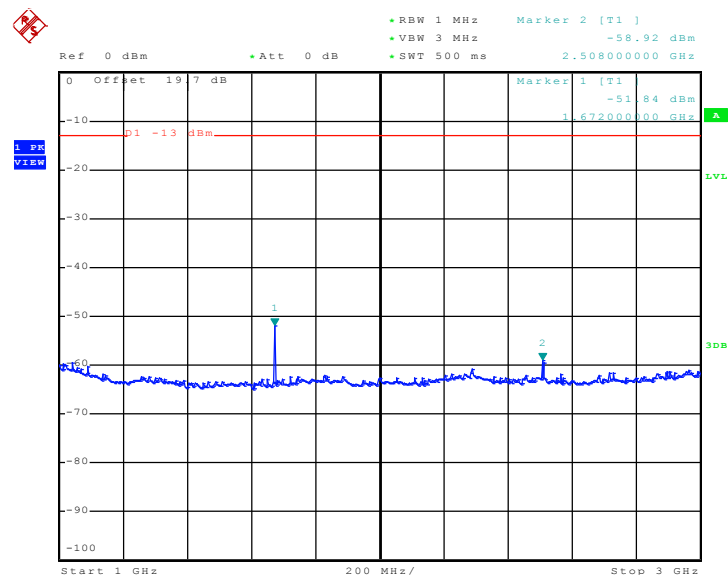
Band :	GSM850	Channel :	CH189
Test Mode :	EDGE 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 16:25:04

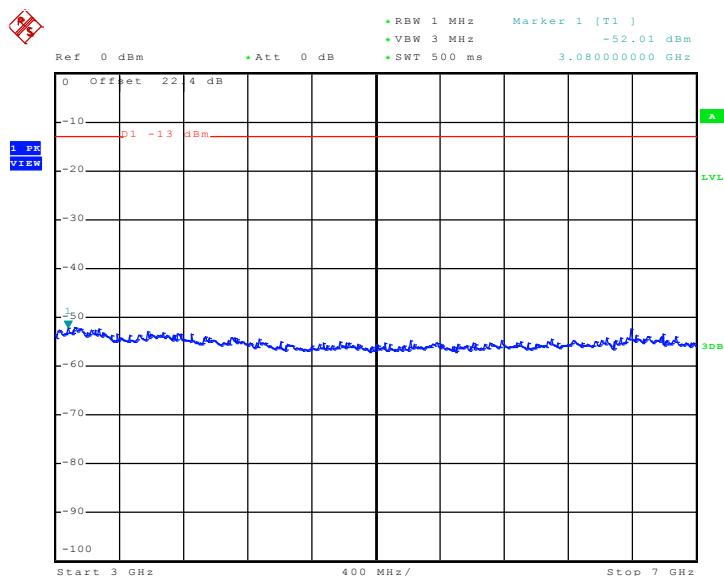
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 16:19:35

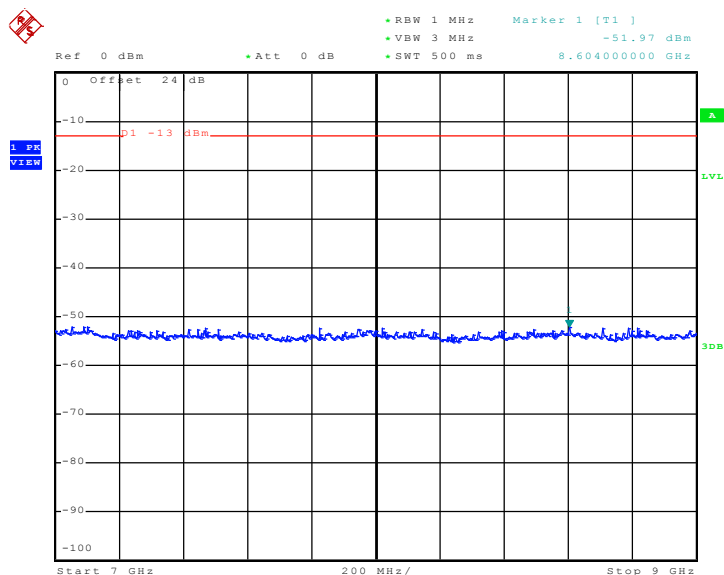


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 16:16:19

Conducted Emission Plot between 7GHz ~ 9GHz

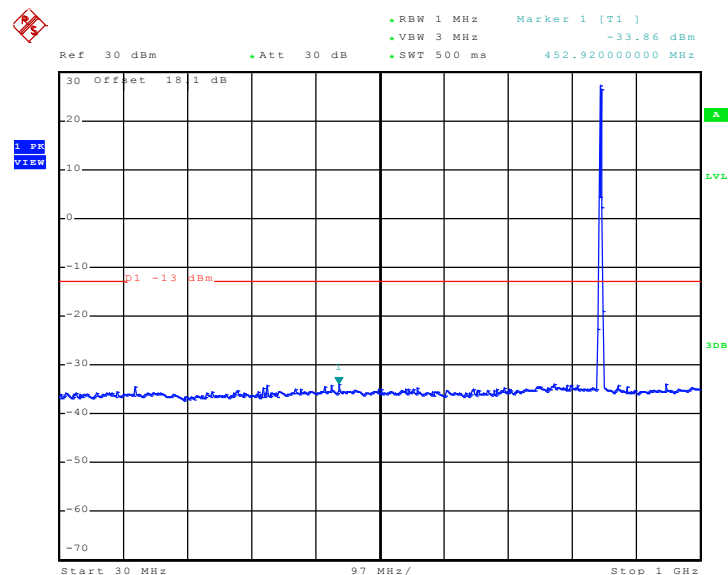


Date: 14.JUL.2010 16:10:53



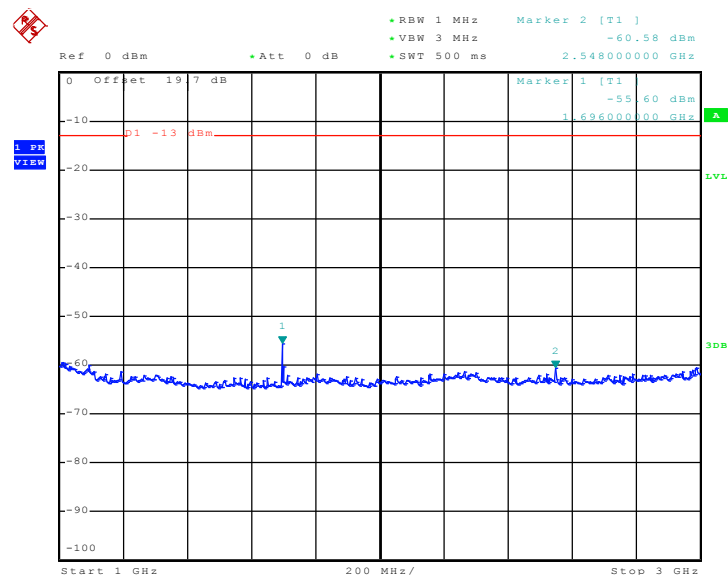
Band :	GSM850	Channel :	CH251
Test Mode :	EDGE 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 16:23:50

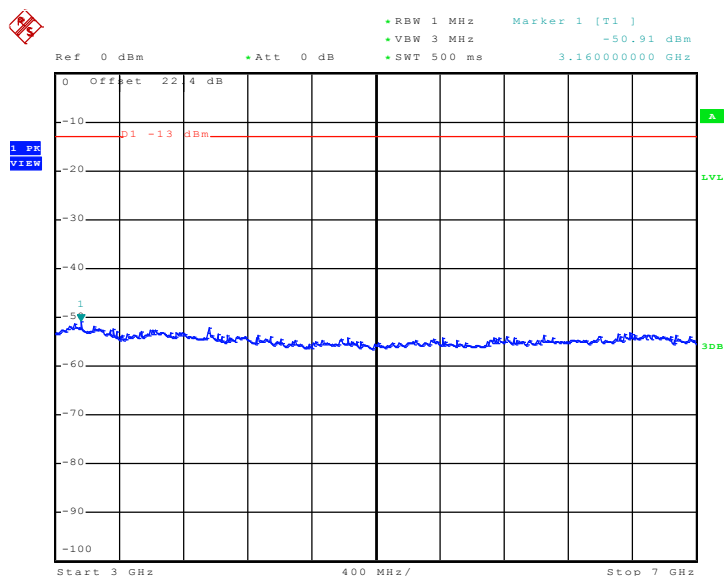
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 16:20:32

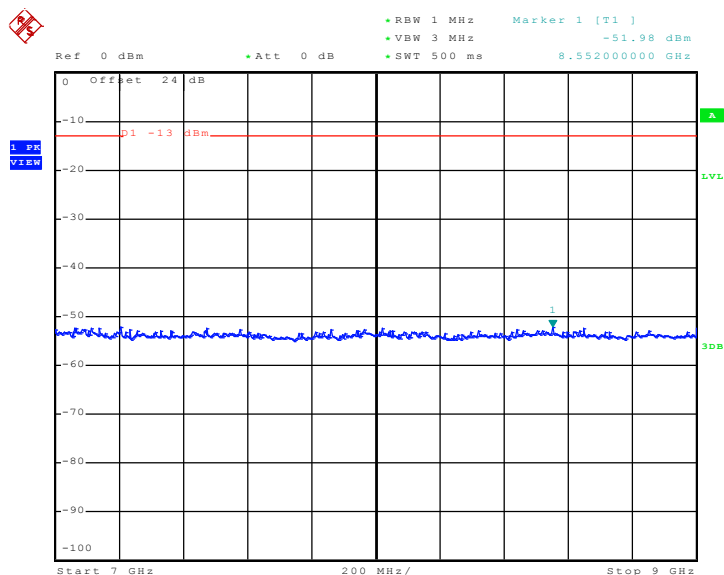


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 16:15:25

Conducted Emission Plot between 7GHz ~ 9GHz

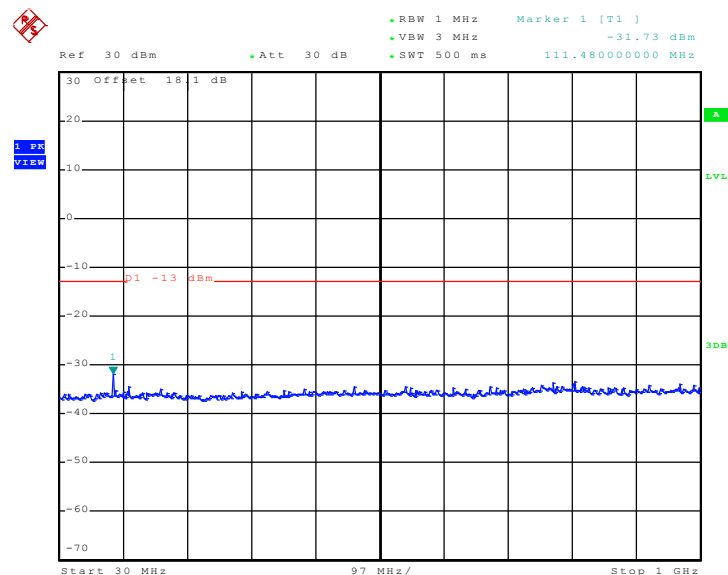


Date: 14.JUL.2010 16:11:42



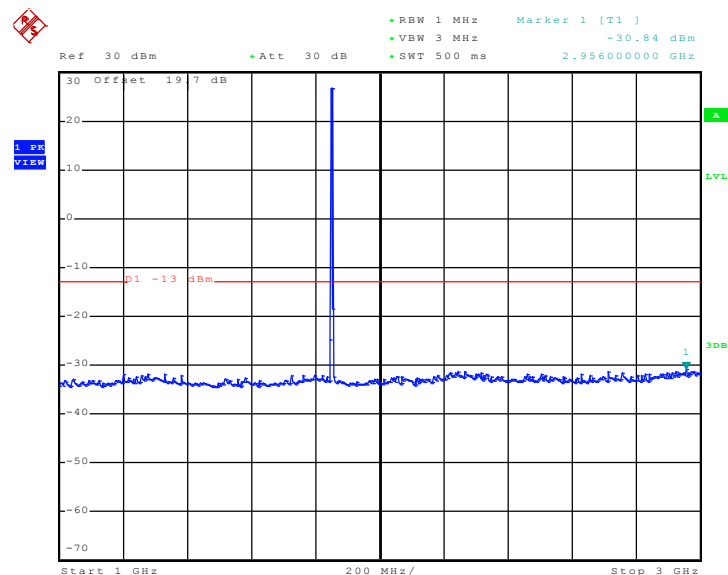
Band :	GSM1900	Channel :	CH512
Test Mode :	GPRS 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 14:54:57

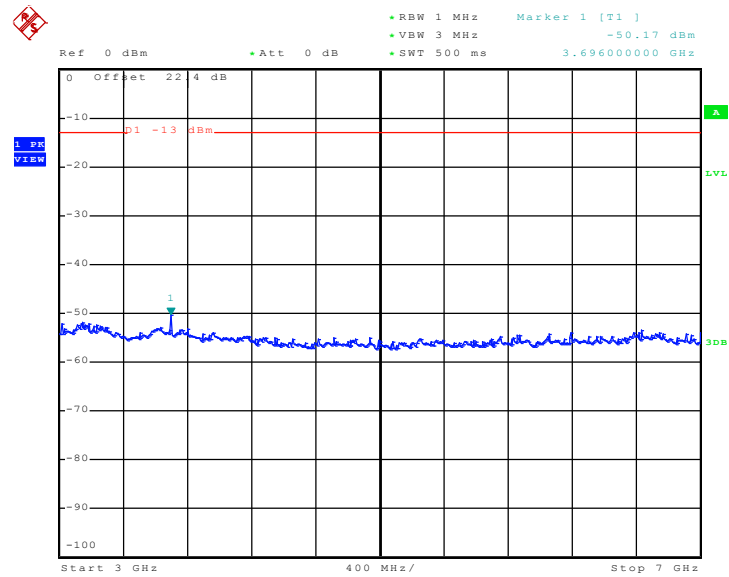
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 15:02:00

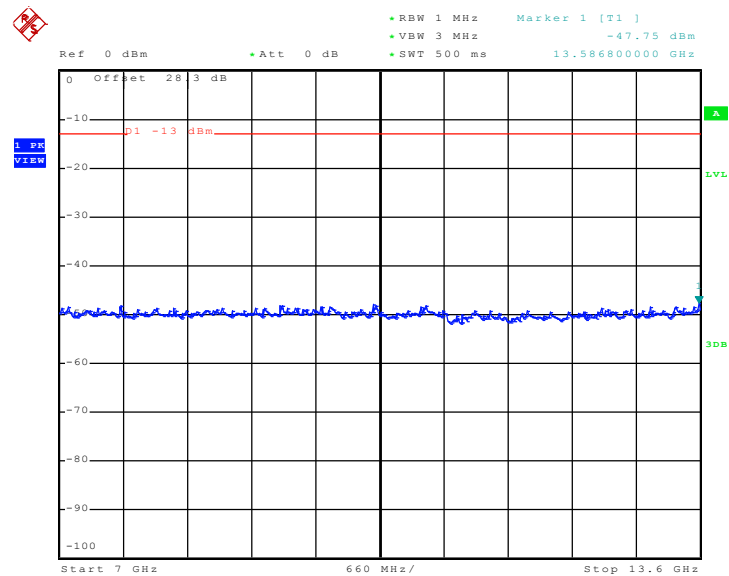


Conducted Emission Plot between 3GHz ~ 7GHz



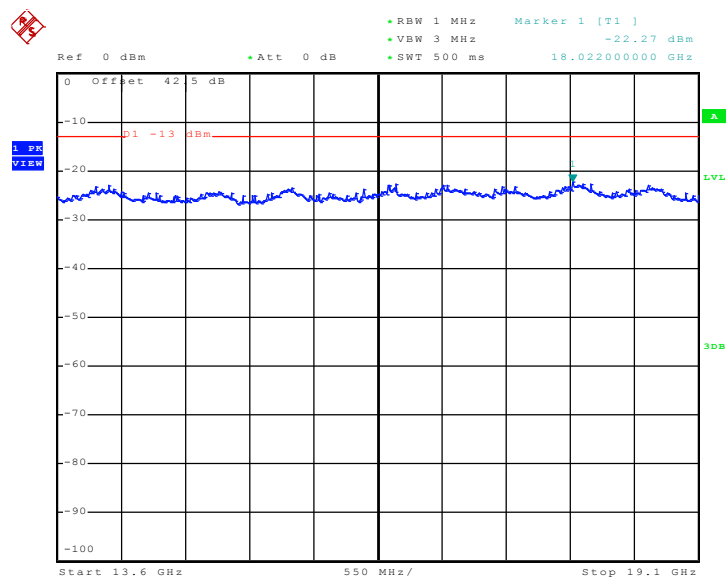
Date: 14.JUL.2010 15:05:58

Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 15:06:57

Conducted Emission Plot between 13.6GHz ~ 19.1GHz

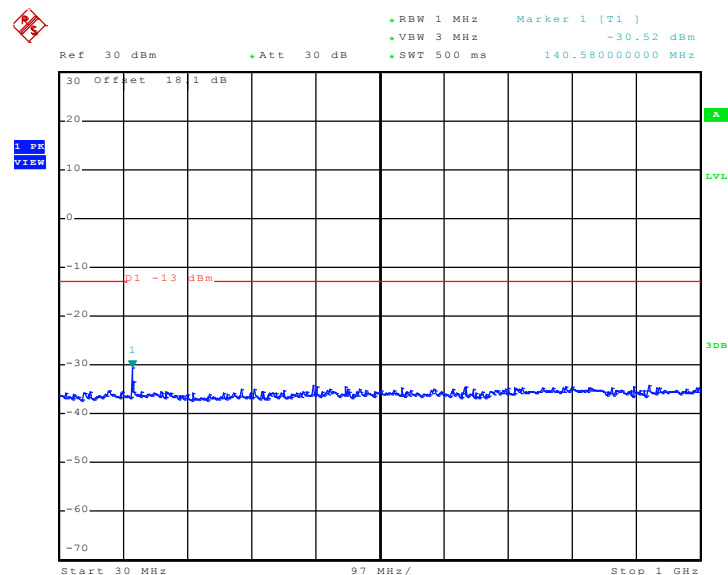


Date: 14.JUL.2010 15:11:29



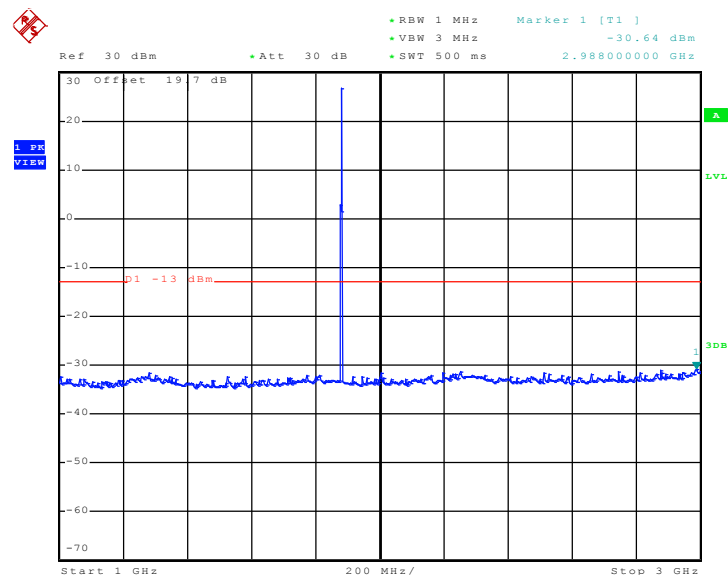
Band :	GSM1900	Channel :	CH661
Test Mode :	GPRS 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 14:55:42

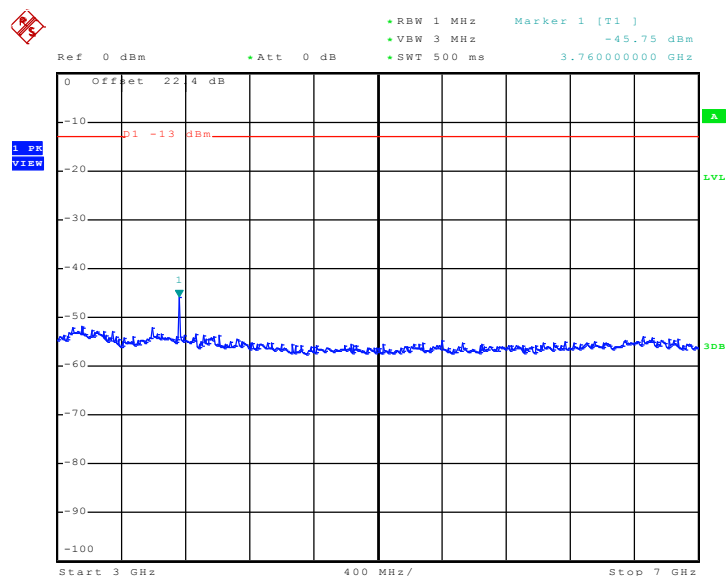
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 15:01:14

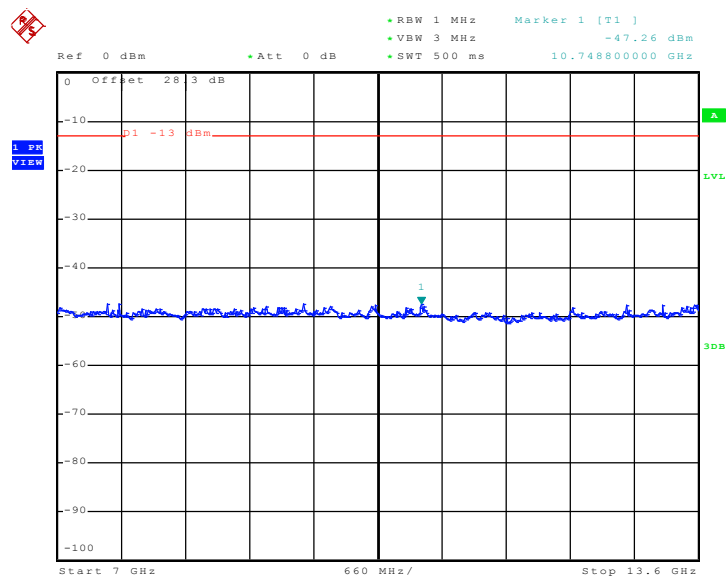


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:04:45

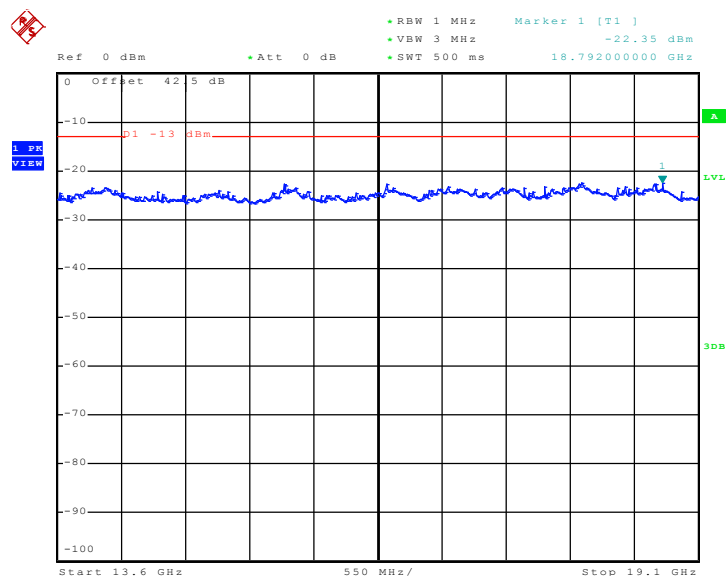
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 15:08:07



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

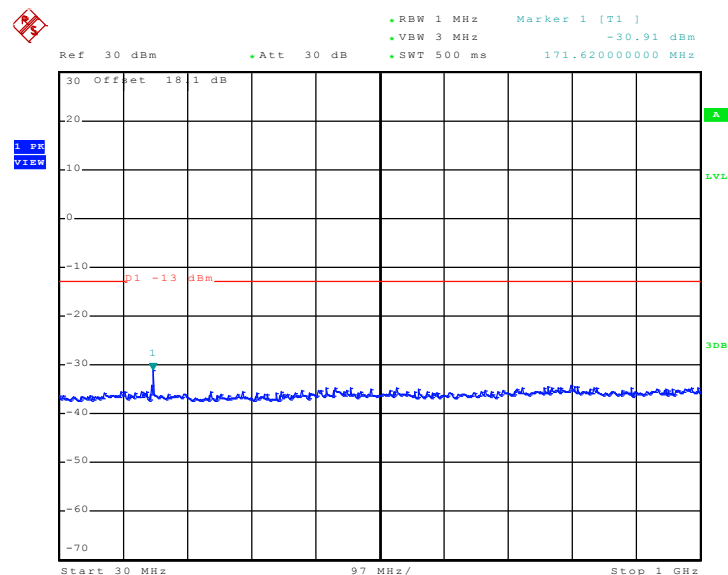


Date: 14.JUL.2010 15:10:45



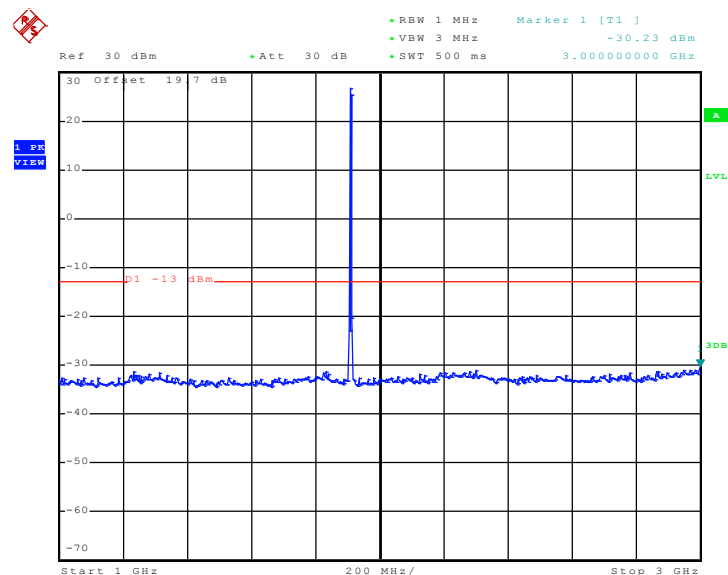
Band :	GSM1900	Channel :	CH810
Test Mode :	GPRS 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 14:58:22

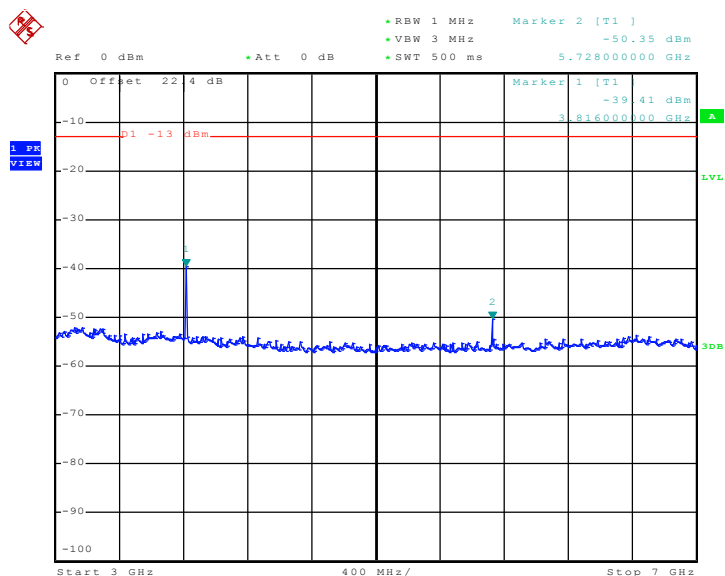
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 15:00:37

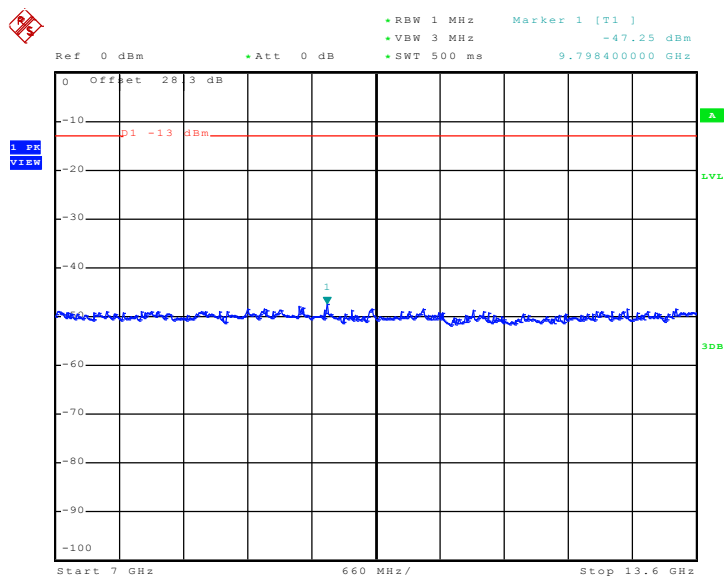


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:05:23

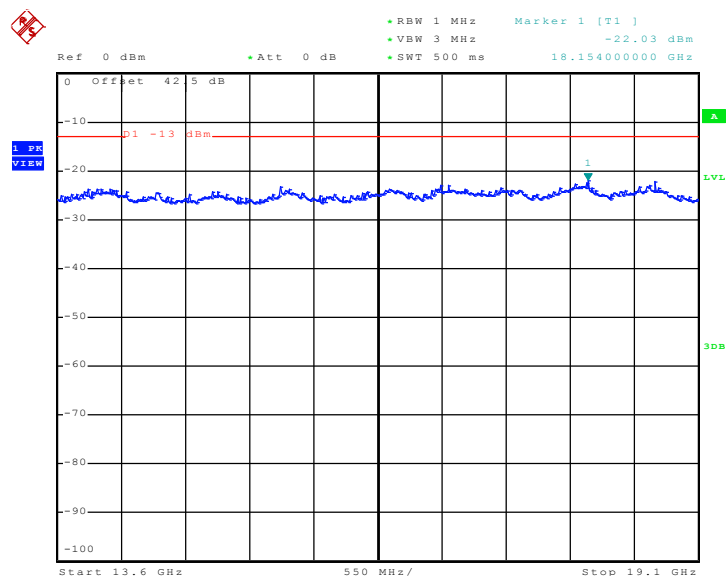
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 15:08:37



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

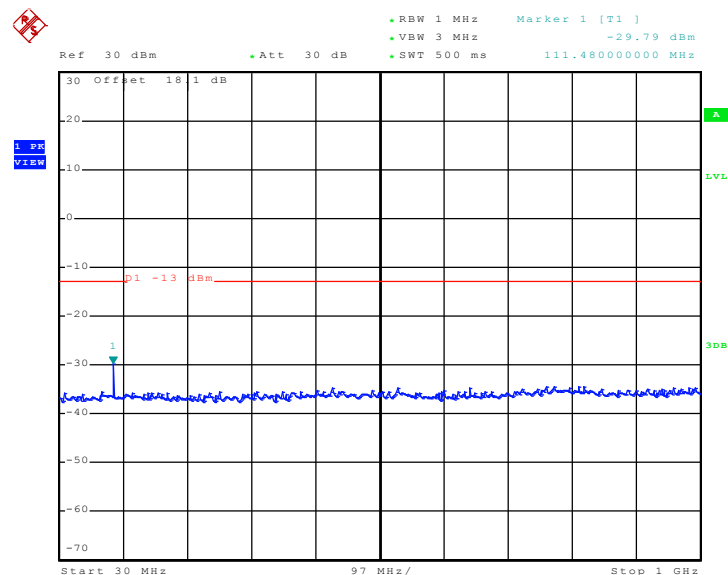


Date: 14.JUL.2010 15:09:48



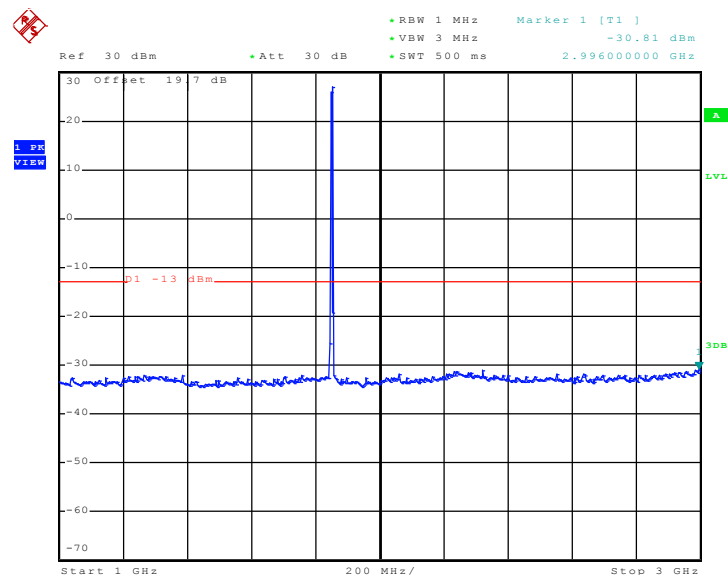
Band :	GSM1900	Channel :	CH512
Test Mode :	EDGE 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 15:22:38

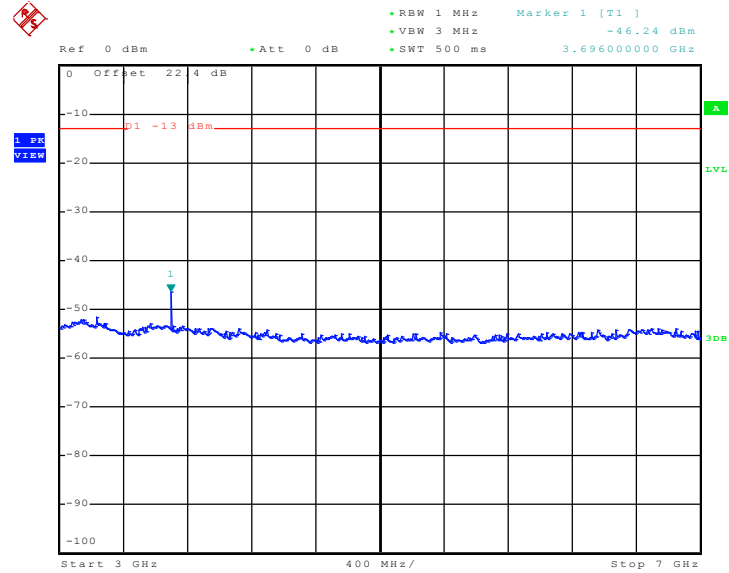
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 15:28:10

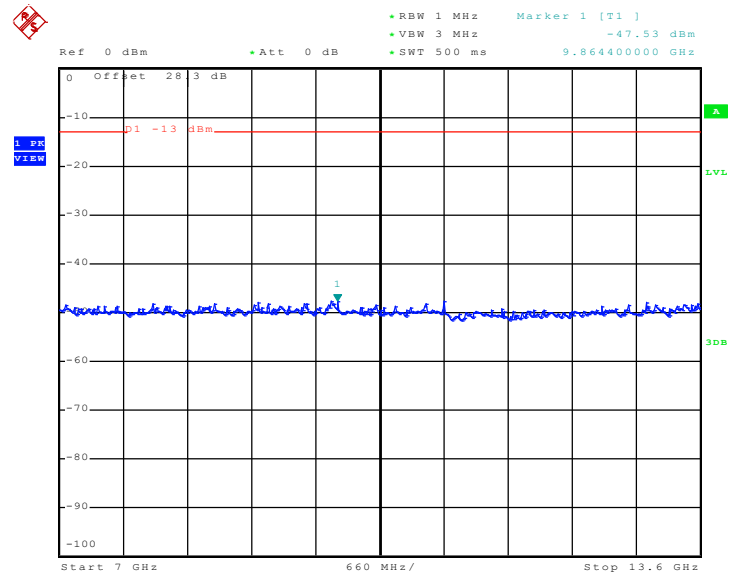


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:30:35

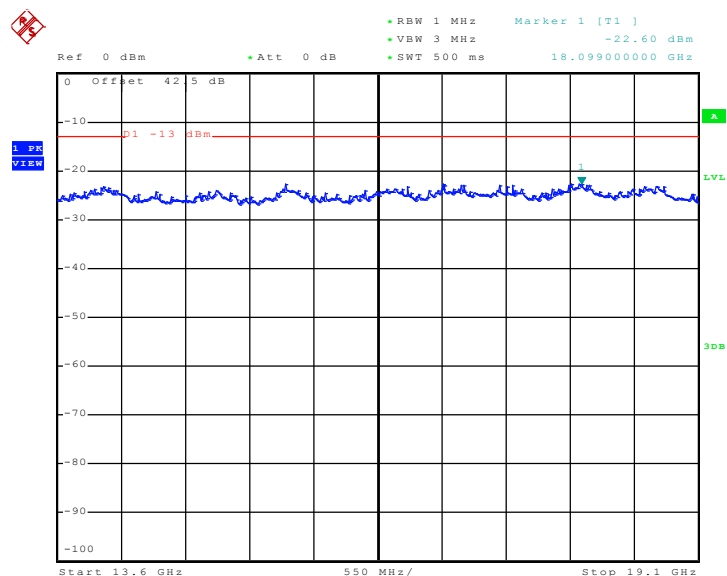
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 15:36:25



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

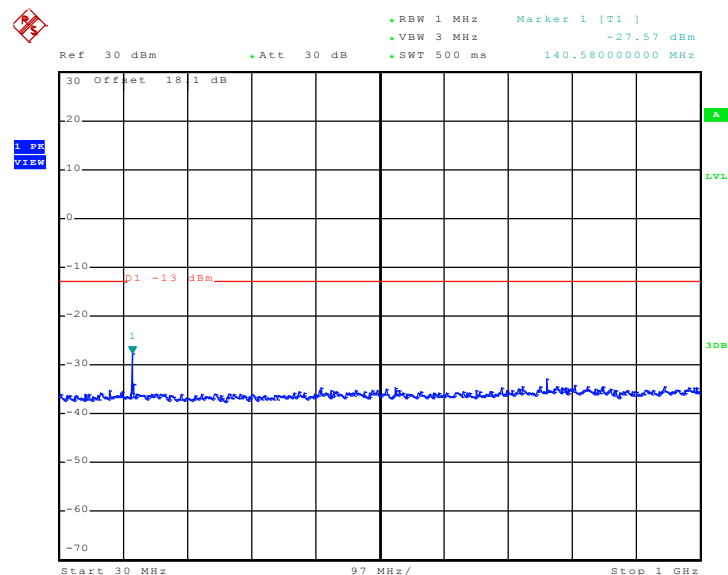


Date: 14.JUL.2010 15:40:40



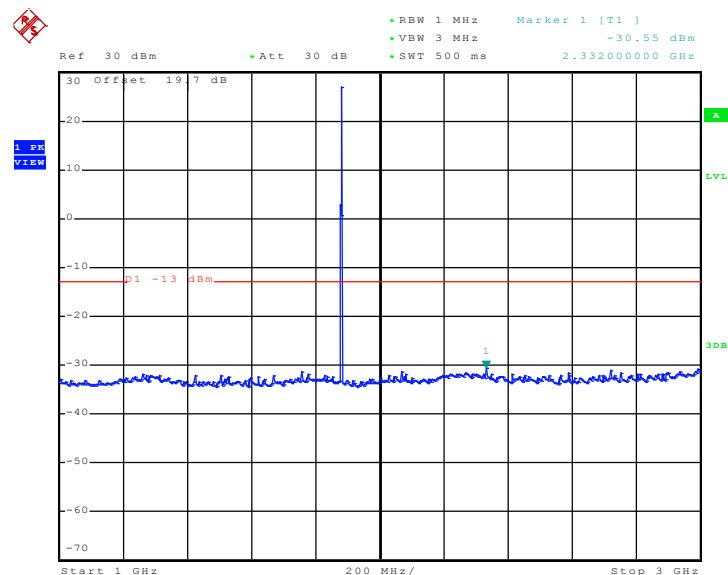
Band :	GSM1900	Channel :	CH661
Test Mode :	EDGE 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



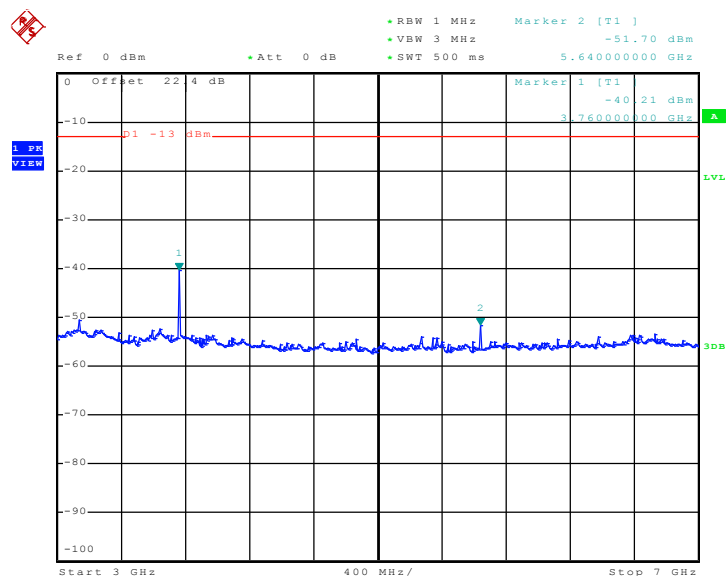
Date: 14.JUL.2010 15:23:11

Conducted Emission Plot between 1GHz ~ 3GHz



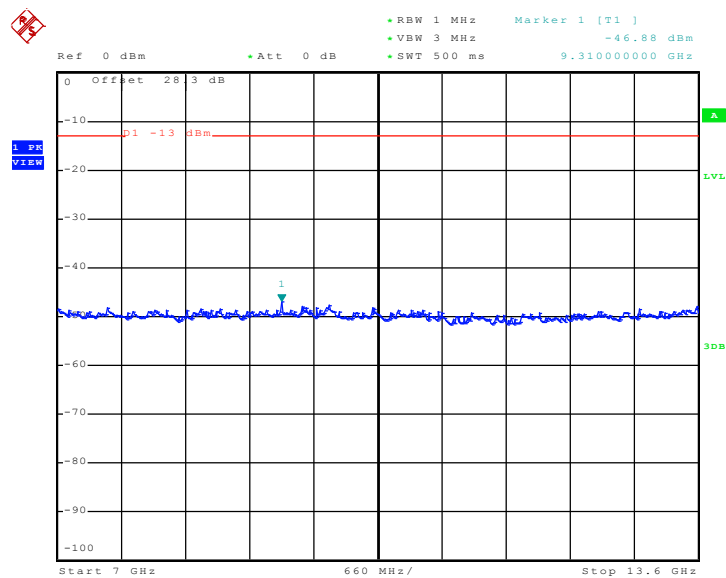
Date: 14.JUL.2010 15:26:53

Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:31:33

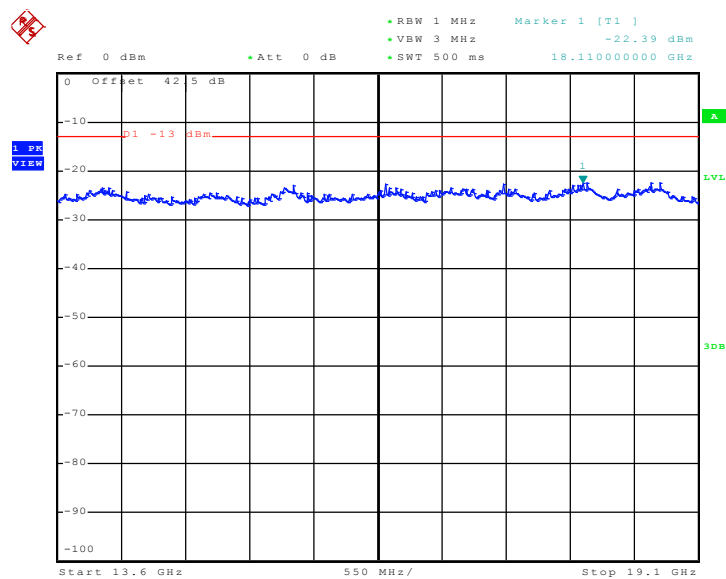
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 15:37:06



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

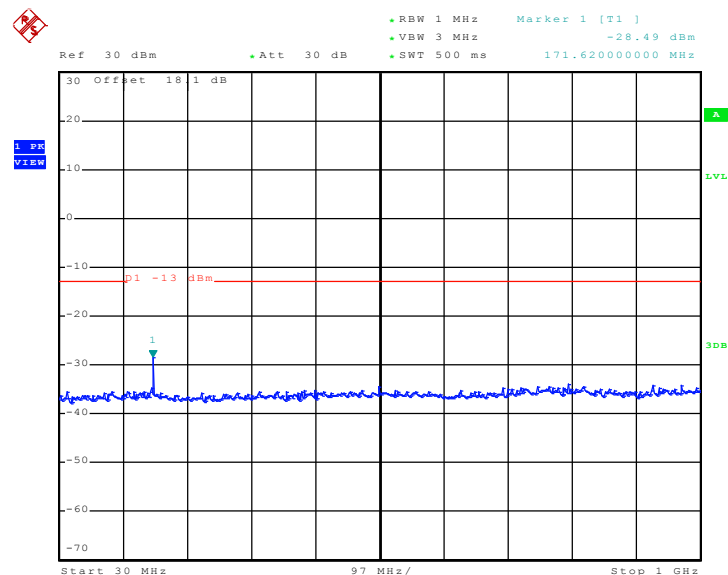


Date: 14.JUL.2010 15:39:55



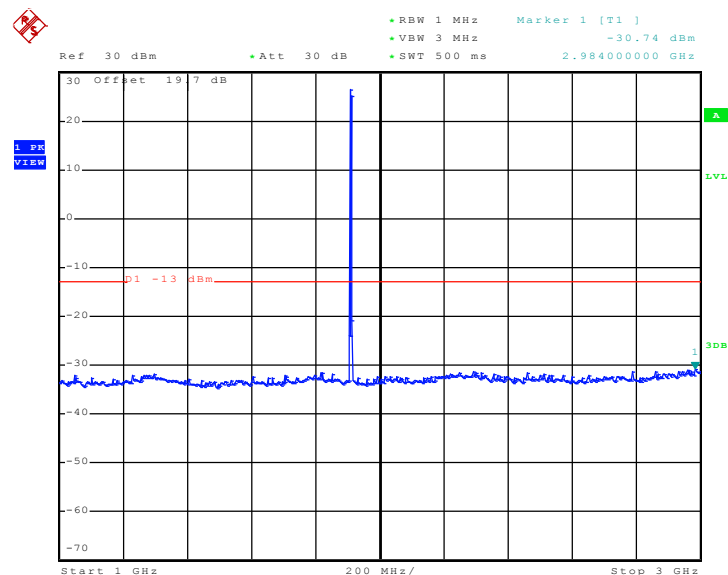
Band :	GSM1900	Channel :	CH810
Test Mode :	EDGE 8 Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 15:23:58

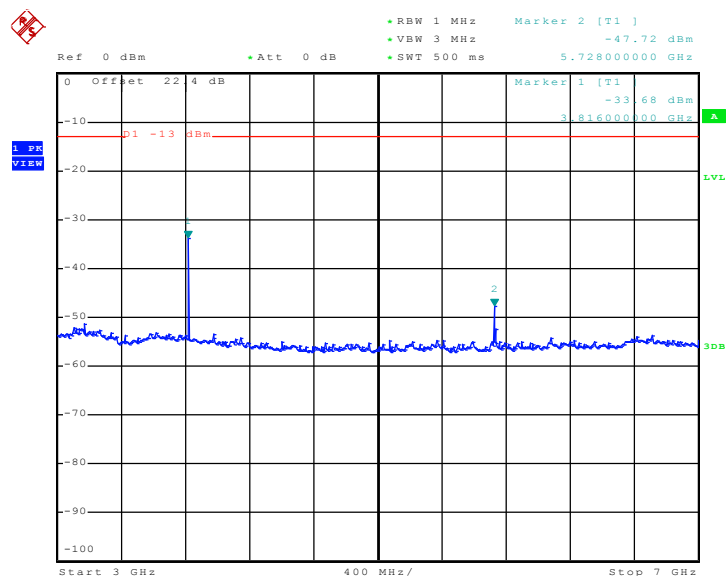
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 15:26:06

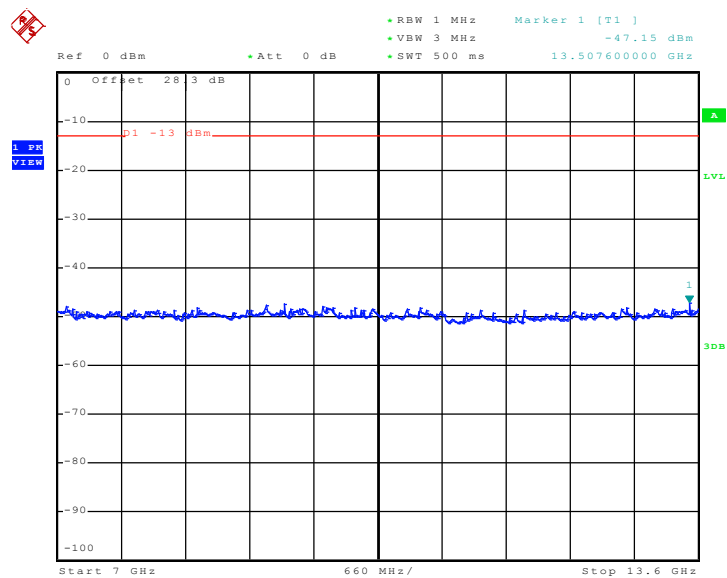


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 15:32:12

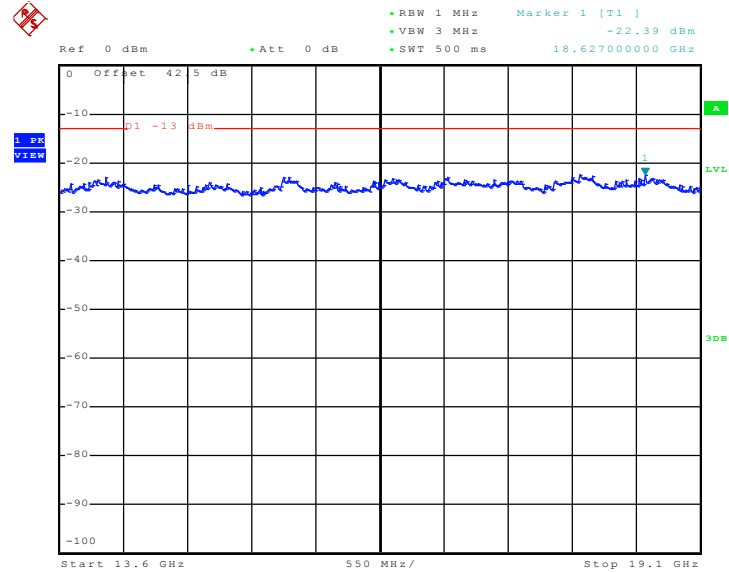
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 15:37:51



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

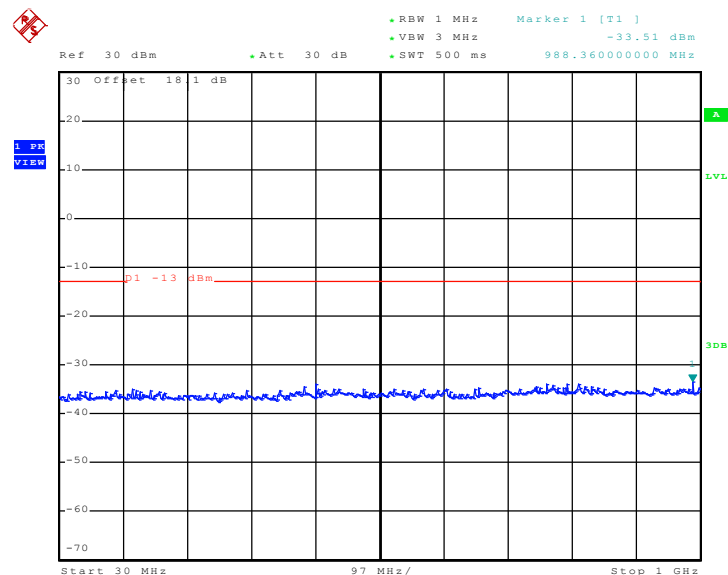


Date: 14.JUL.2010 15:39:19



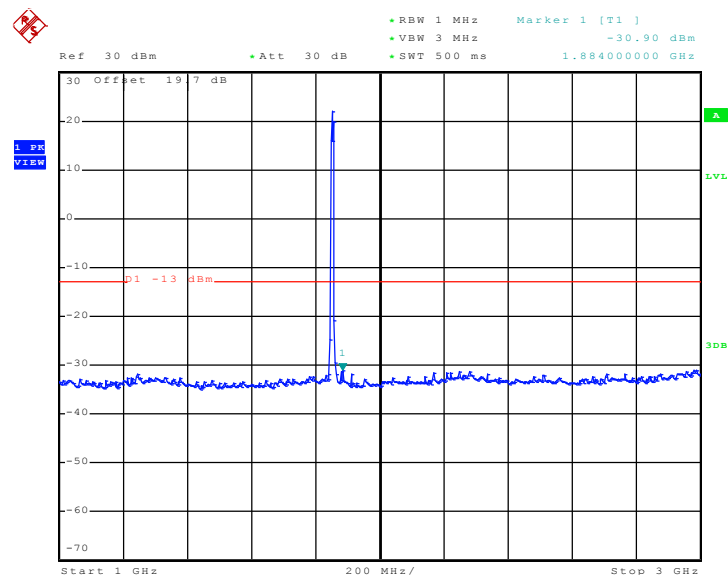
Band :	WCDMA Band II	Channel :	CH9262
Test Mode :	RMC 12.2Kbps Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 12:51:04

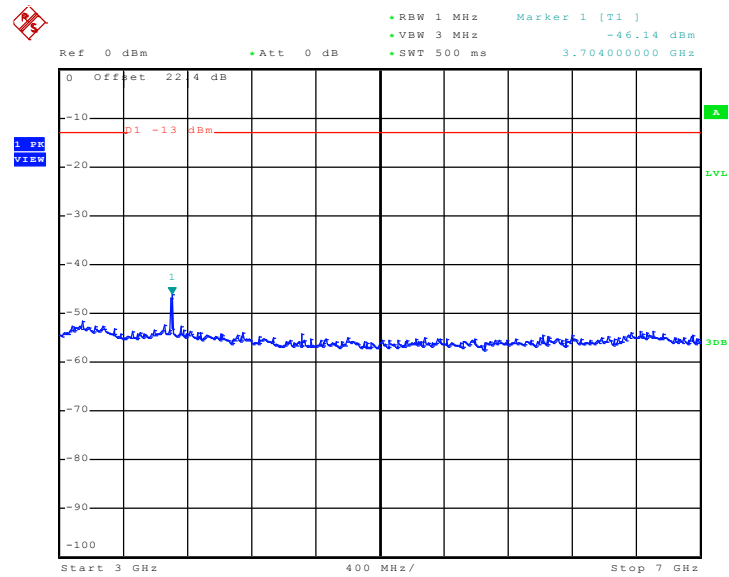
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 12:59:28

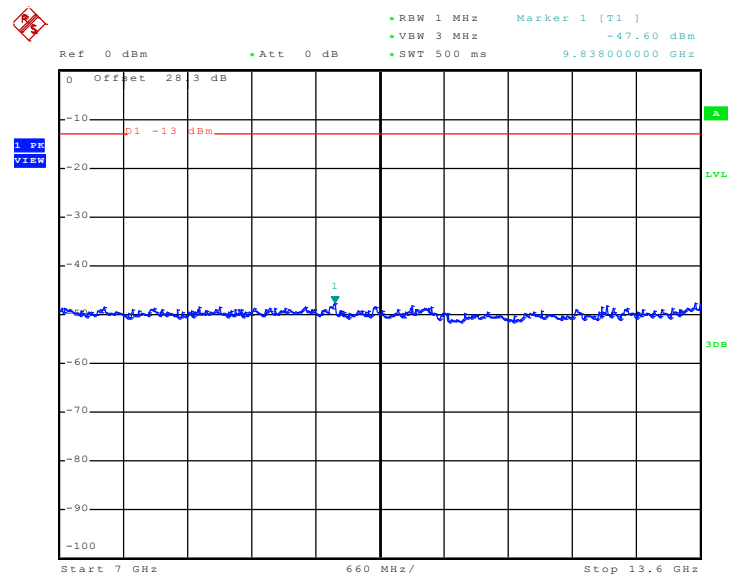


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 13:04:27

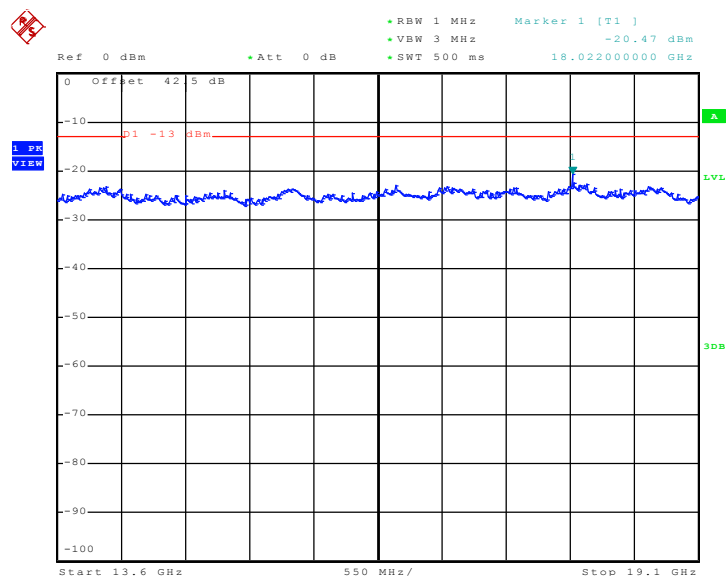
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 13:05:34



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

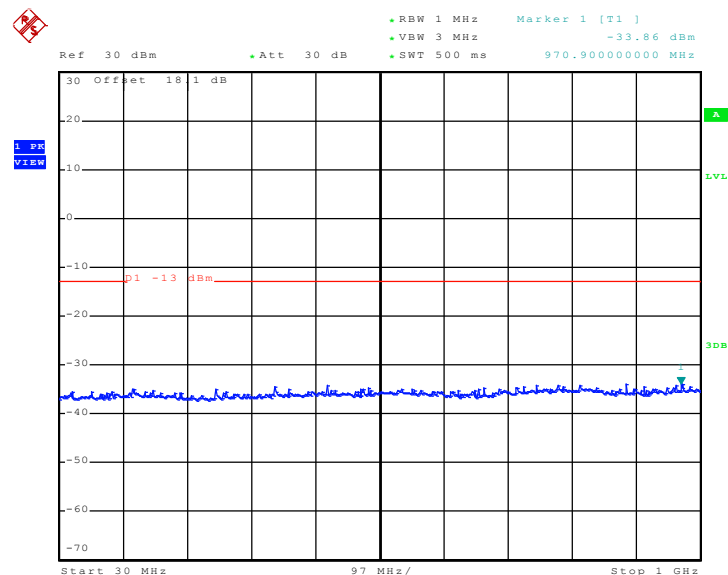


Date: 14.JUL.2010 13:09:28



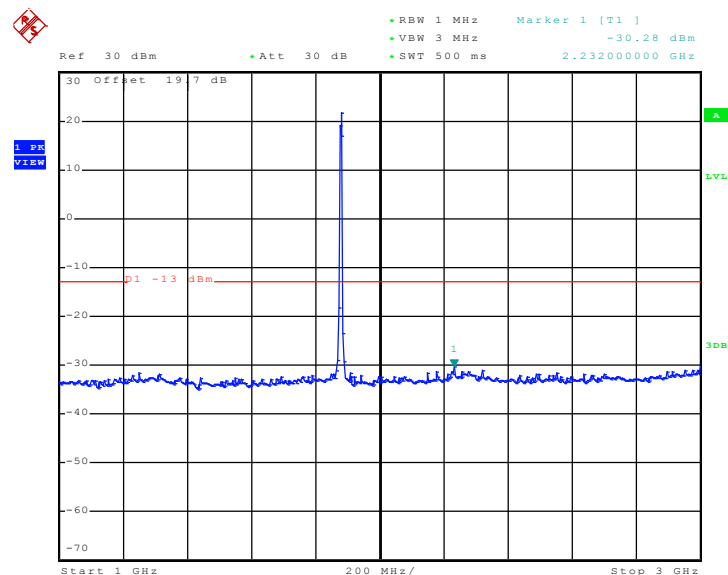
Band :	WCDMA Band II	Channel :	CH9400
Test Mode :	RMC 12.2Kbps Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 12:51:49

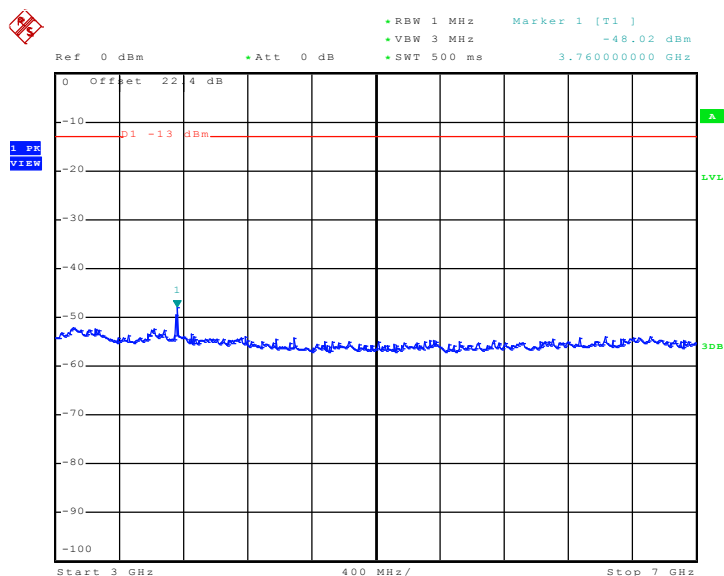
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 13:00:15

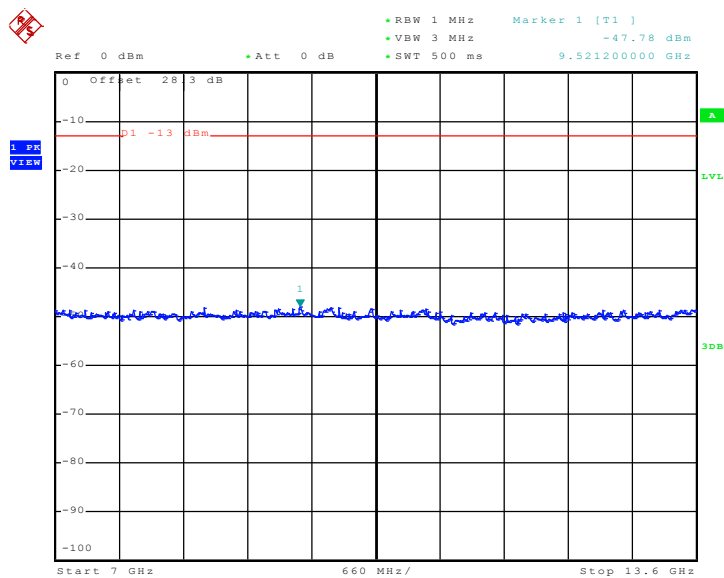


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 13:03:56

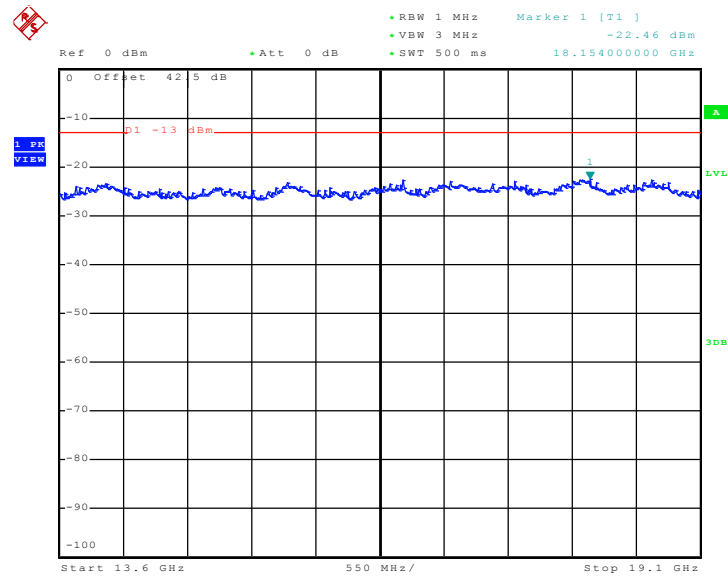
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 13:06:12



Conducted Emission Plot between 13.6GHz ~ 19.1GHz

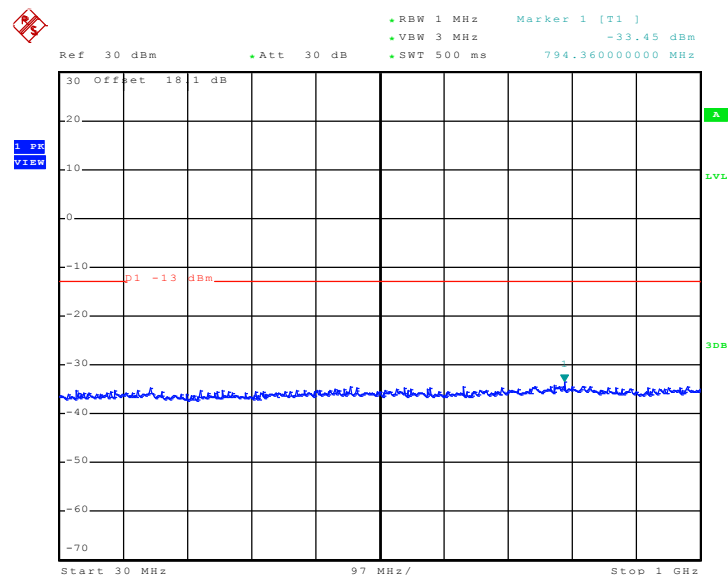


Date: 14.JUL.2010 13:08:52



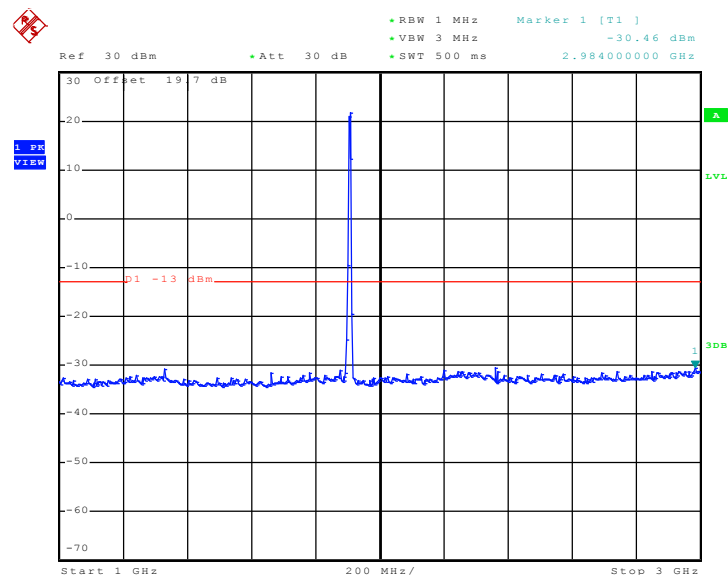
Band :	WCDMA Band II	Channel :	CH9538
Test Mode :	RMC 12.2Kbps Link		

Conducted Emission Plot between 30MHz ~ 1GHz



Date: 14.JUL.2010 12:52:30

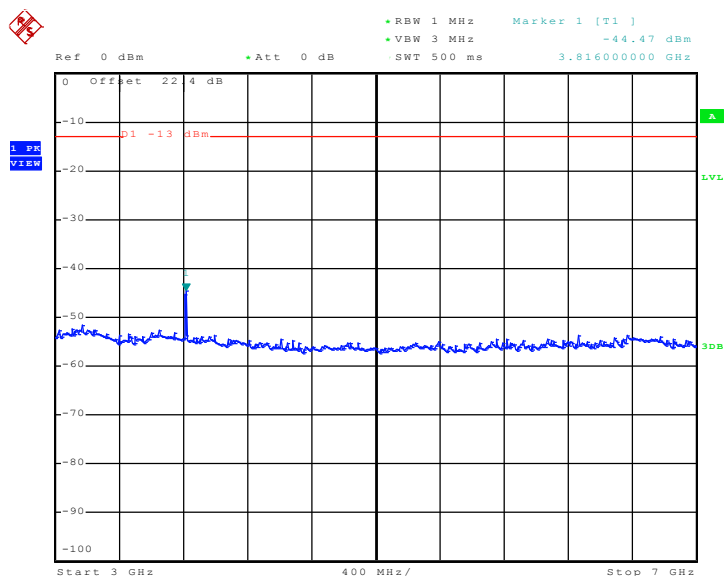
Conducted Emission Plot between 1GHz ~ 3GHz



Date: 14.JUL.2010 13:01:00

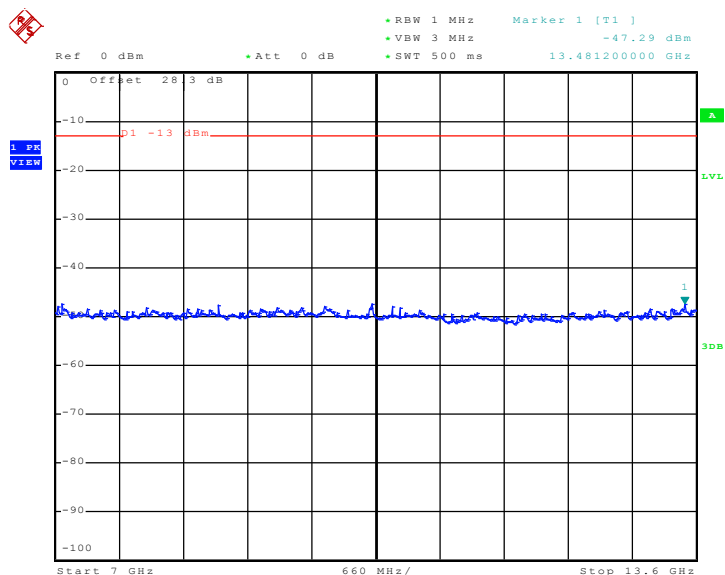


Conducted Emission Plot between 3GHz ~ 7GHz



Date: 14.JUL.2010 13:02:53

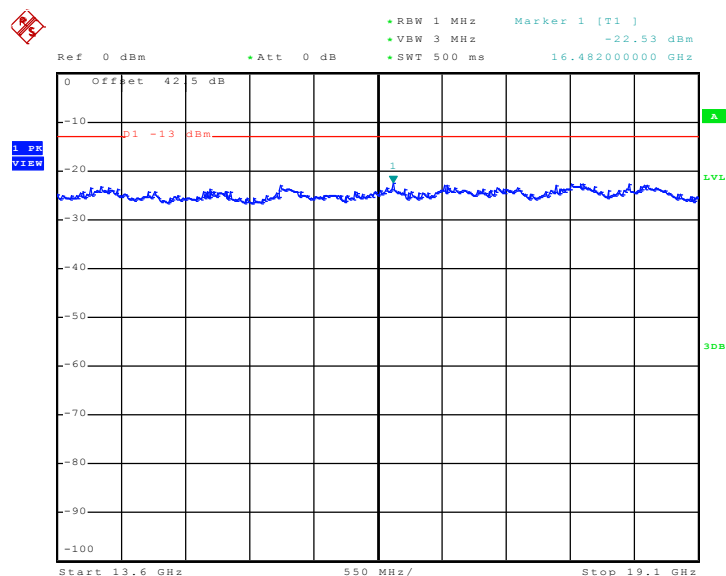
Conducted Emission Plot between 7GHz ~ 13.6GHz



Date: 14.JUL.2010 13:06:57



Conducted Emission Plot between 13.6GHz ~ 19.1GHz



Date: 14.JUL.2010 13:08:14