

Appendix A

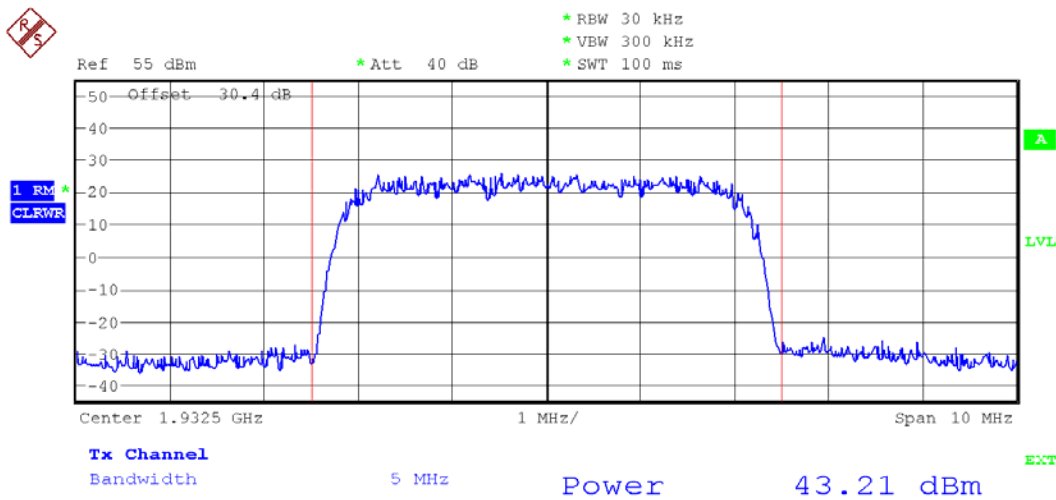
Channel Power Measurement

According to CFR 47 (FCC) part 2.1046 & 24.232



Single Carrier
DC -48V supply

Channel 412
TM1

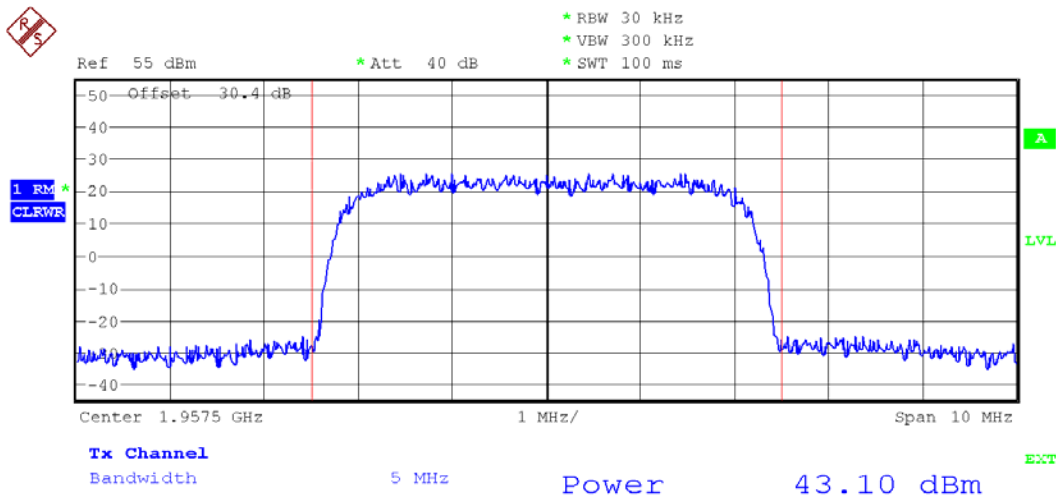


DIR

Date: 16.JAN.2006 10:48:57



Channel 537
TM1

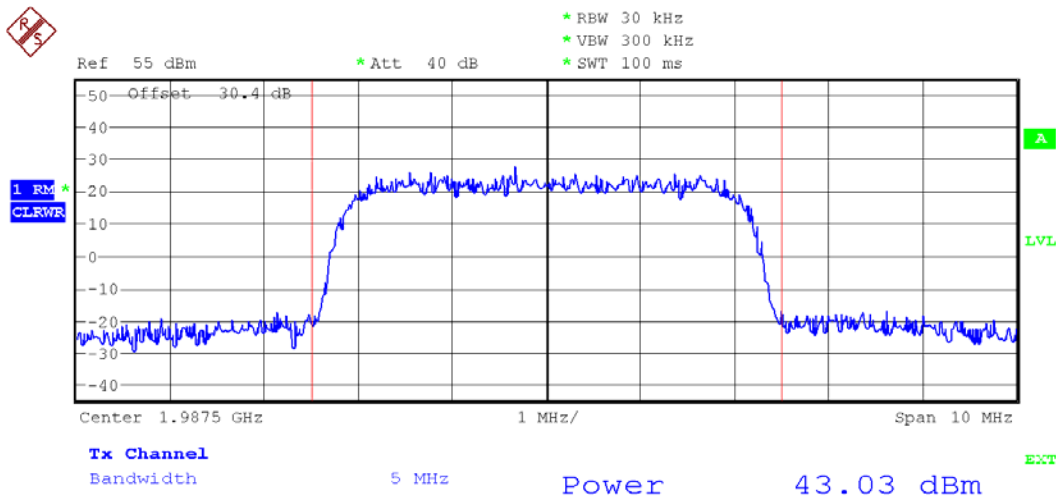


DIR

Date: 16.JAN.2006 10:54:33



Channel 687
TM1



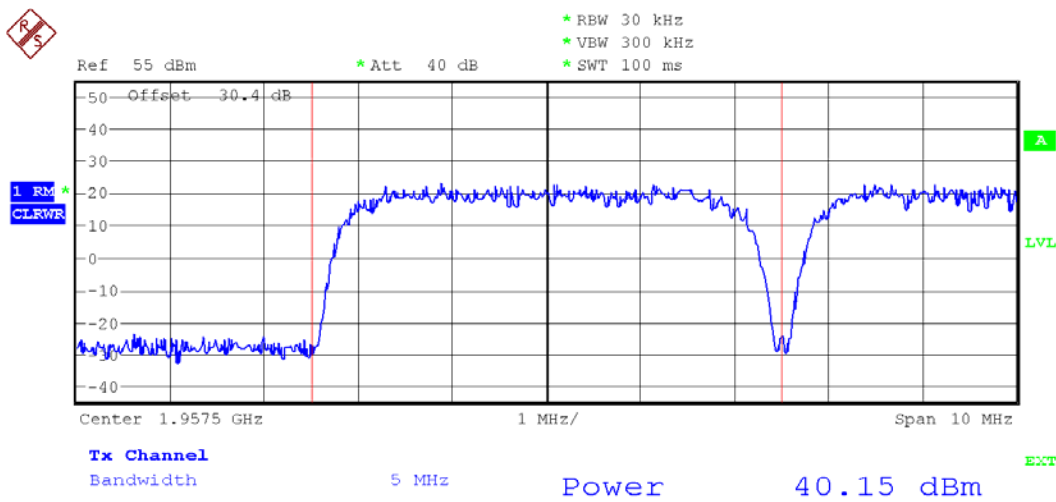
DIR

Date: 16.JAN.2006 11:00:08



Double Carriers
DC -48V supply

Channel 537/Channel 562
TM5

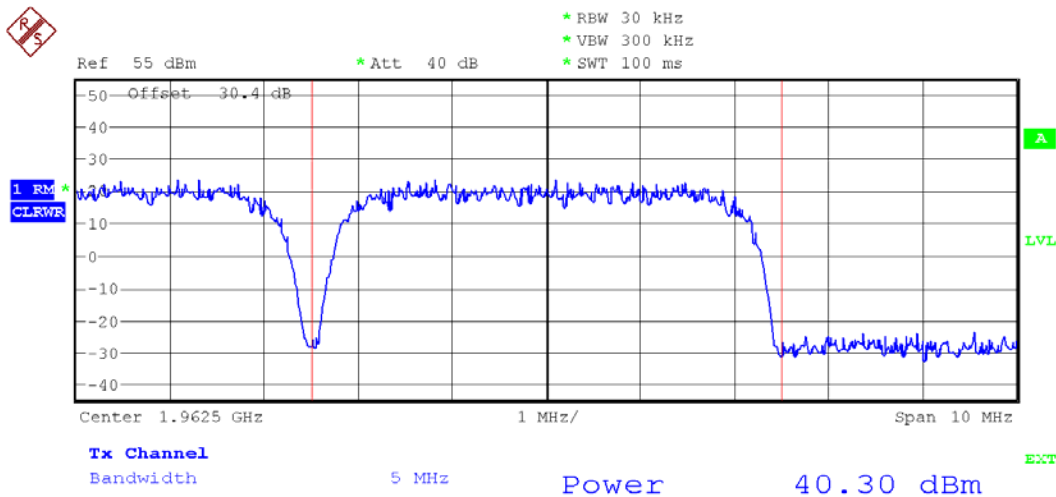


DIR

Date: 16.JAN.2006 11:05:16



Channel 537/Channel 562
TM5

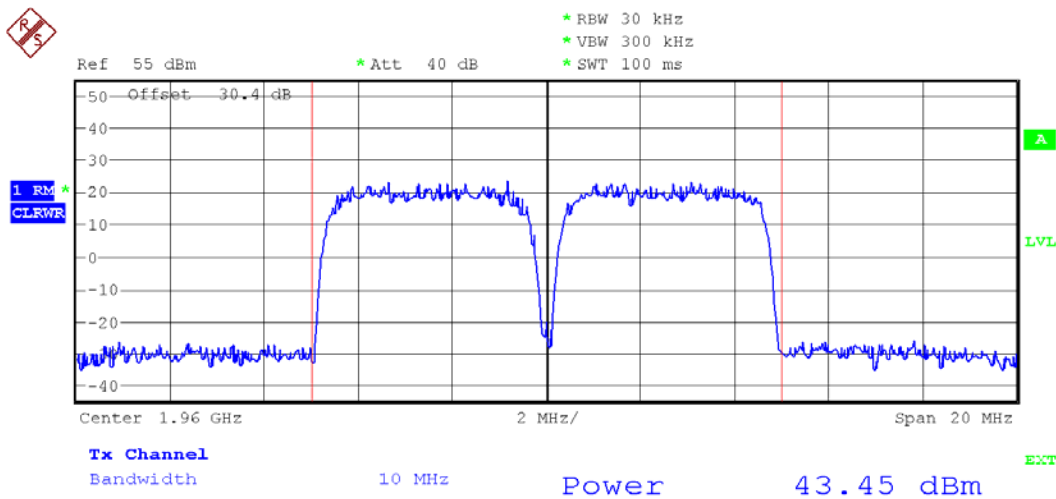


DIR

Date: 16.JAN.2006 11:05:37



Channel 537/Channel 562
TM5



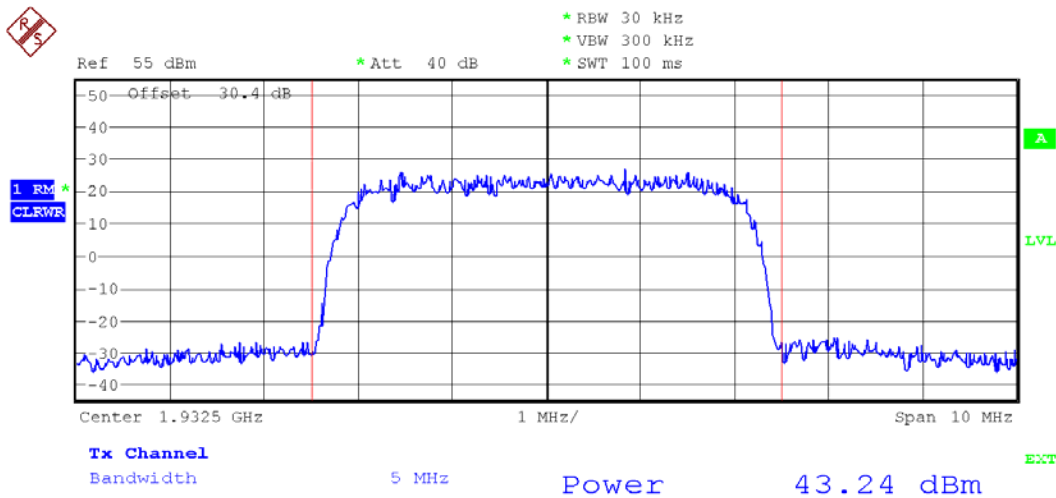
DIR

Date: 16.JAN.2006 11:06:35



Single Carriers
AC 220V supply

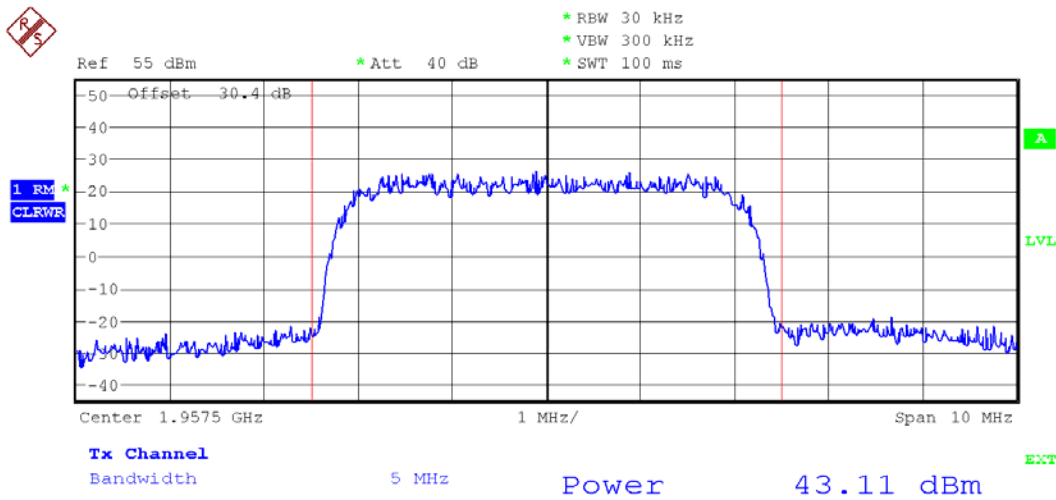
Channel 412
TM1



DIR
Date: 16.JAN.2006 11:09:30



Channel 537
TM1



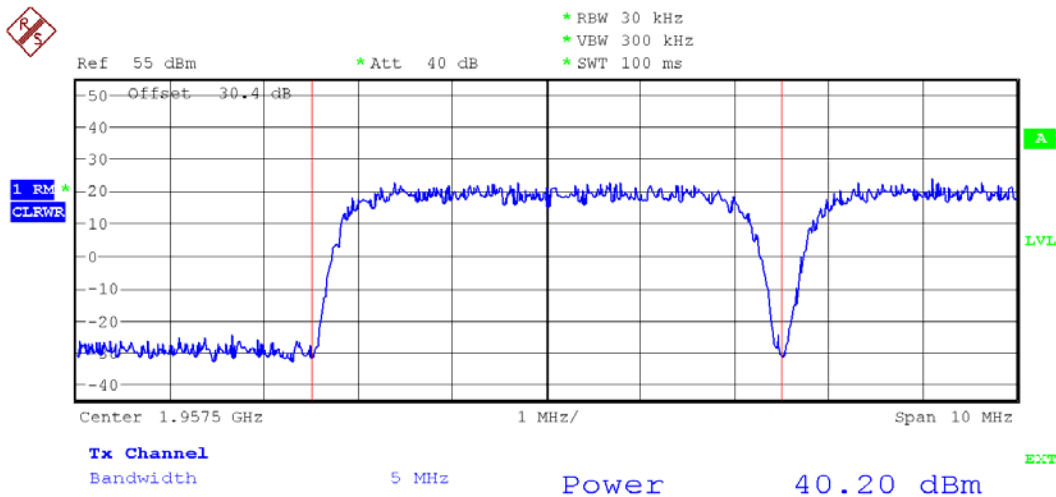
DIR

Date: 16.JAN.2006 11:12:34



Double carriers
AC 220V supply

Channel 537/Channel 562
TM5

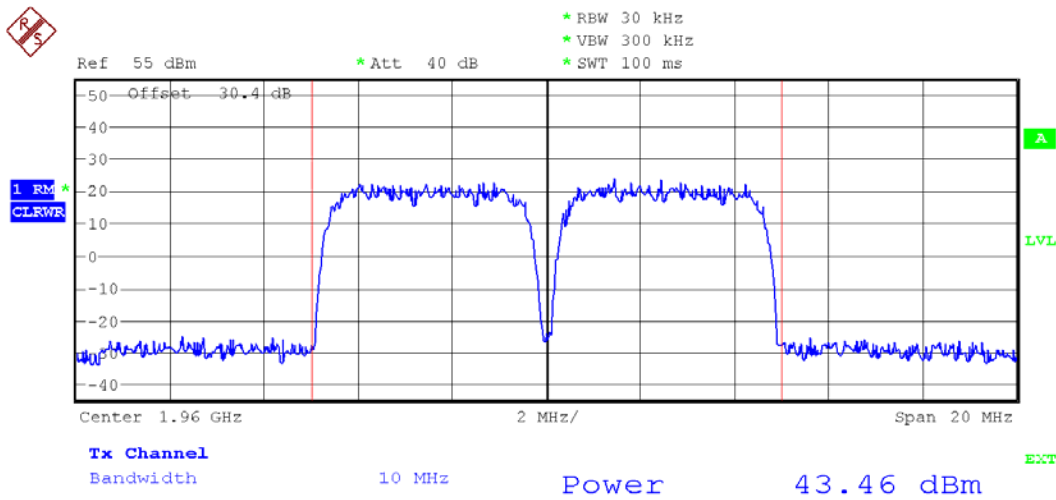


DIR

Date: 16.JAN.2006 11:17:59



Channel 537/Channel 562
TM5



DIR

Date: 16.JAN.2006 11:18:56

Appendix B

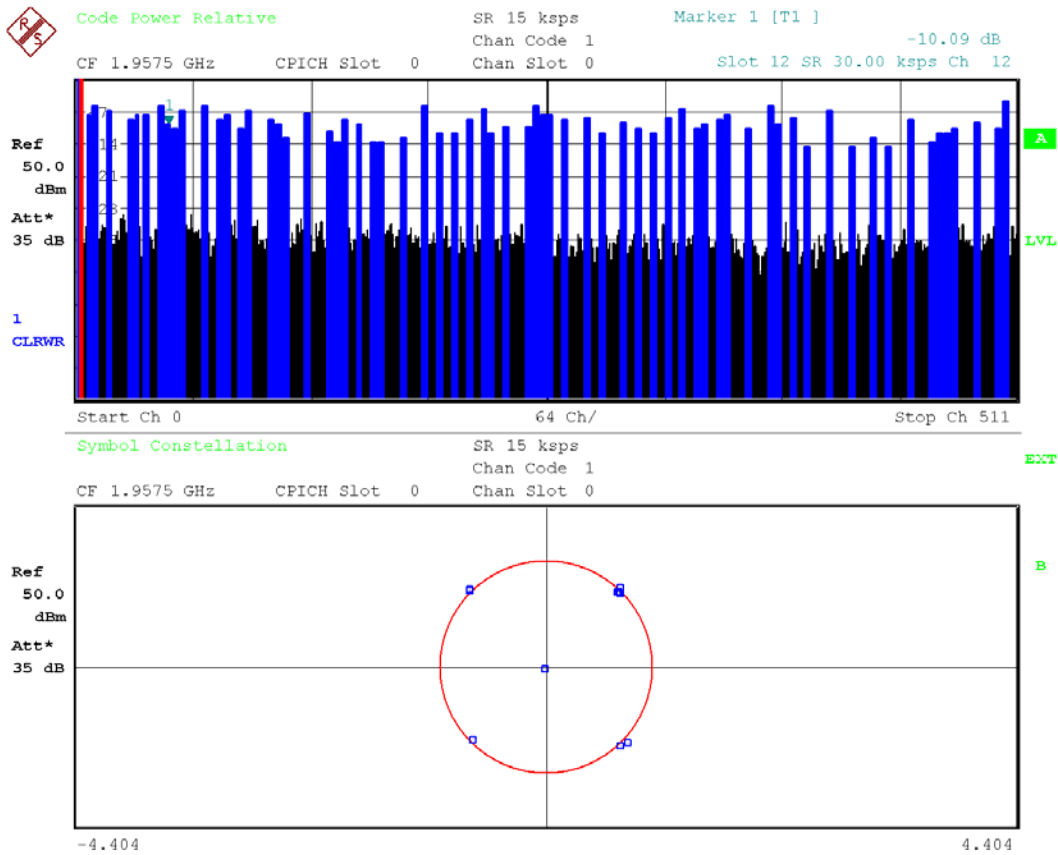
Modulation Characteristic Measurement

According to CFR 47 (FCC) part 2.1047



Single Carrier
DC -48v supply

Channel 537
TM1

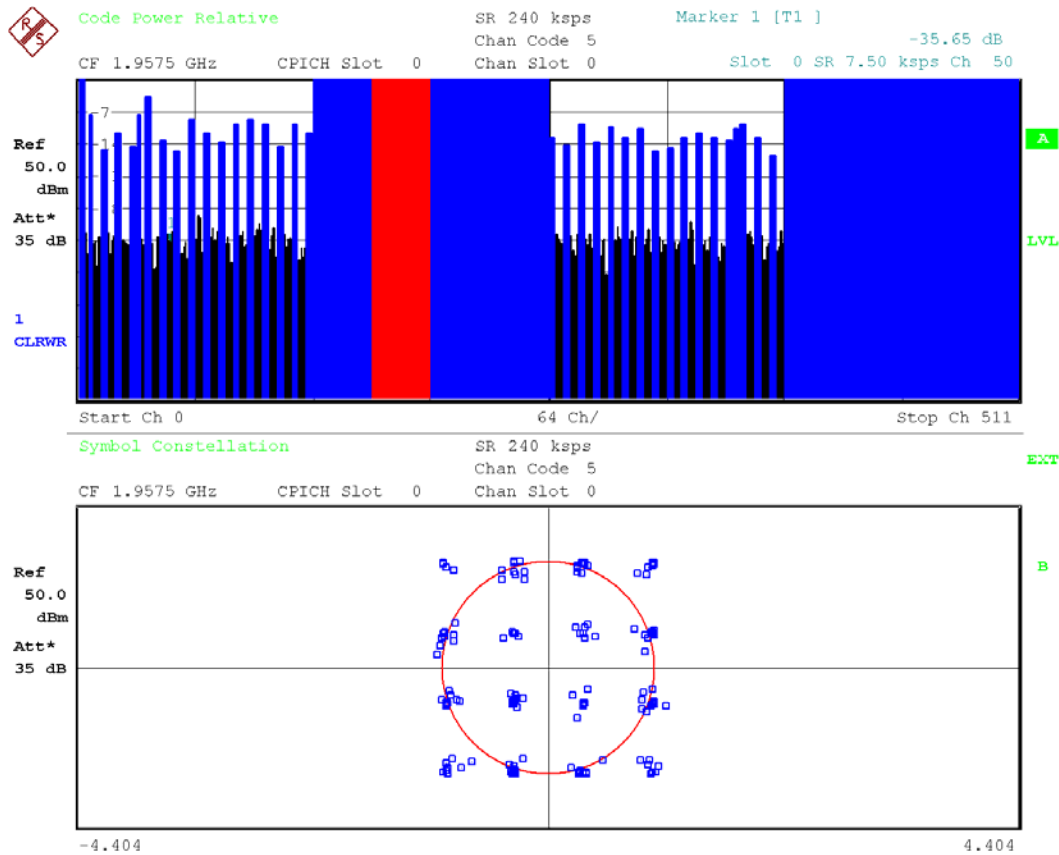


DIR

Date: 21.JAN.2006 14:46:43



Channel 537
TM5

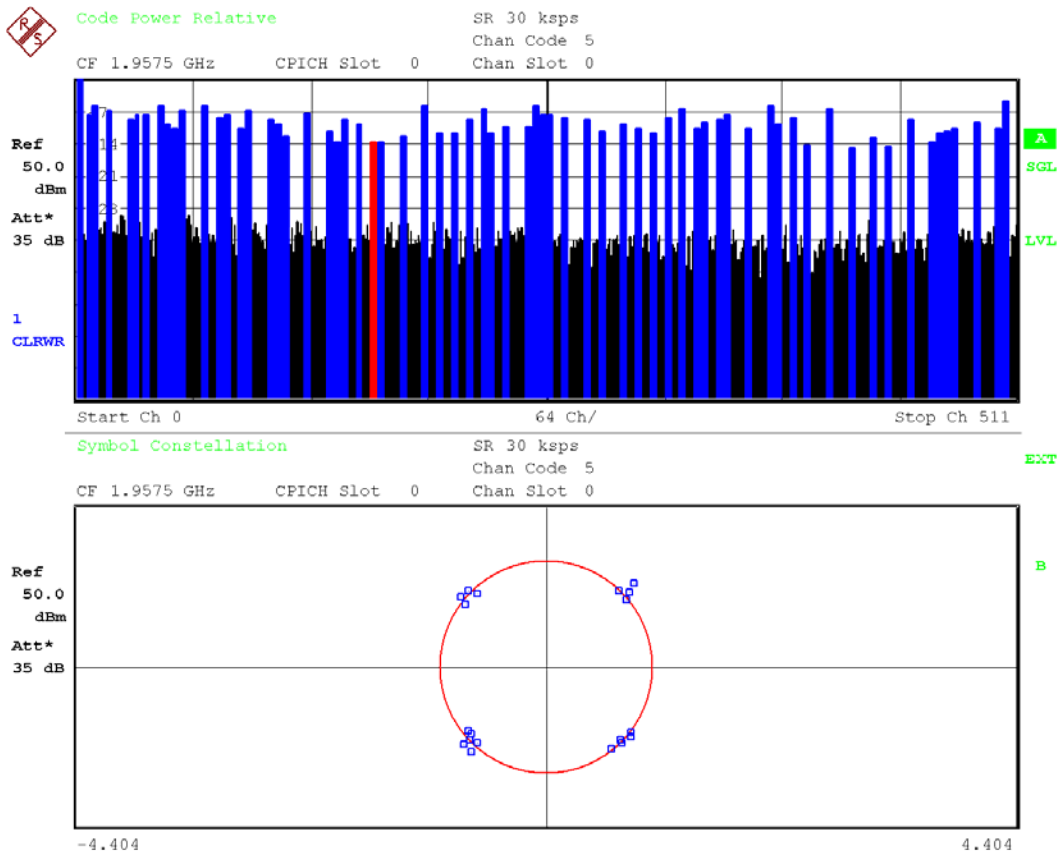


DIR
Date: 21.JAN.2006 14:50:13



Single carrier
AC 220v supply

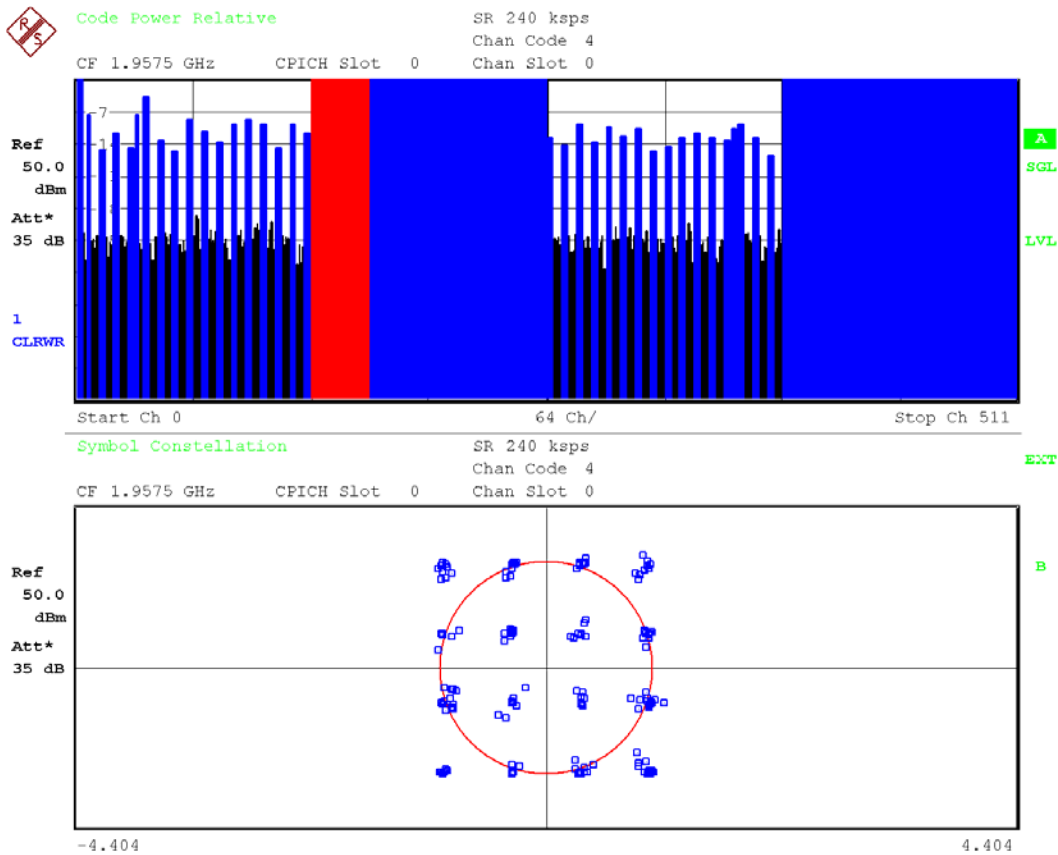
Channel 537
TM1



DIR

Date: 21.JAN.2006 14:54:04

Channel 537
TM5



DIR
Date: 21.JAN.2006 14:55:02

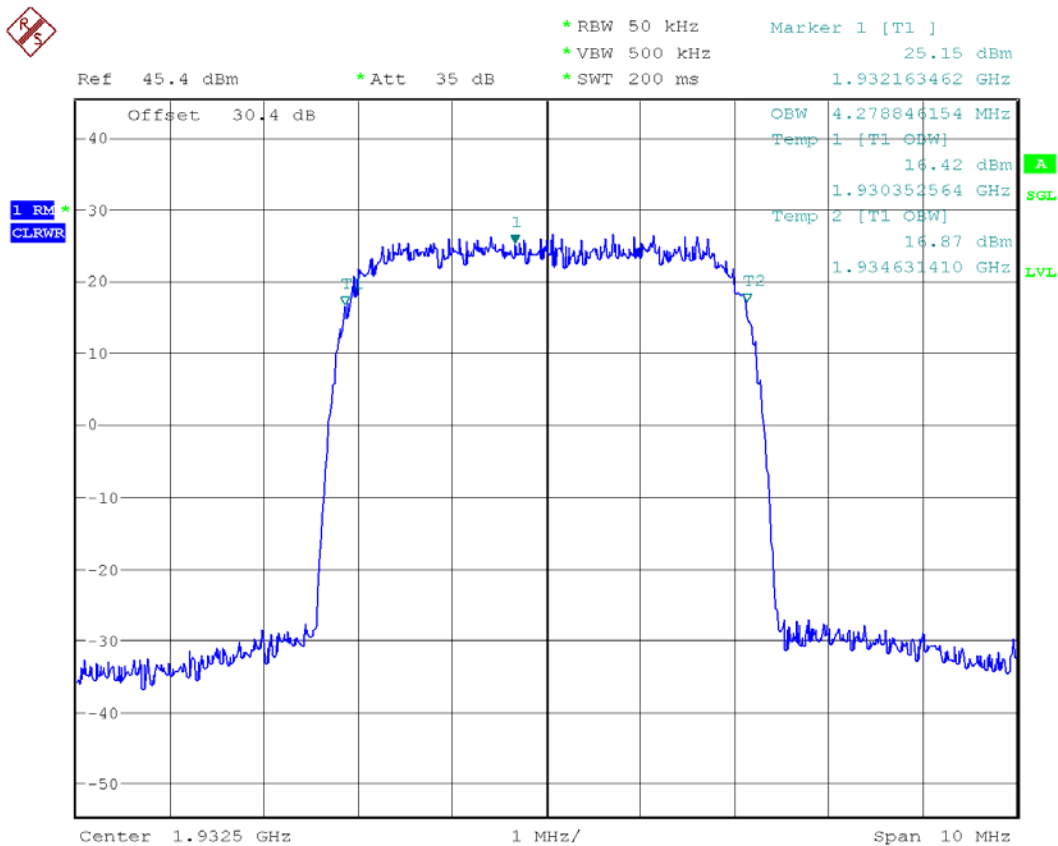
Appendix C

Occupied Bandwidth Measurement

According to CFR 47 (FCC) part 2.1049

Single carrier
DC -48V supply

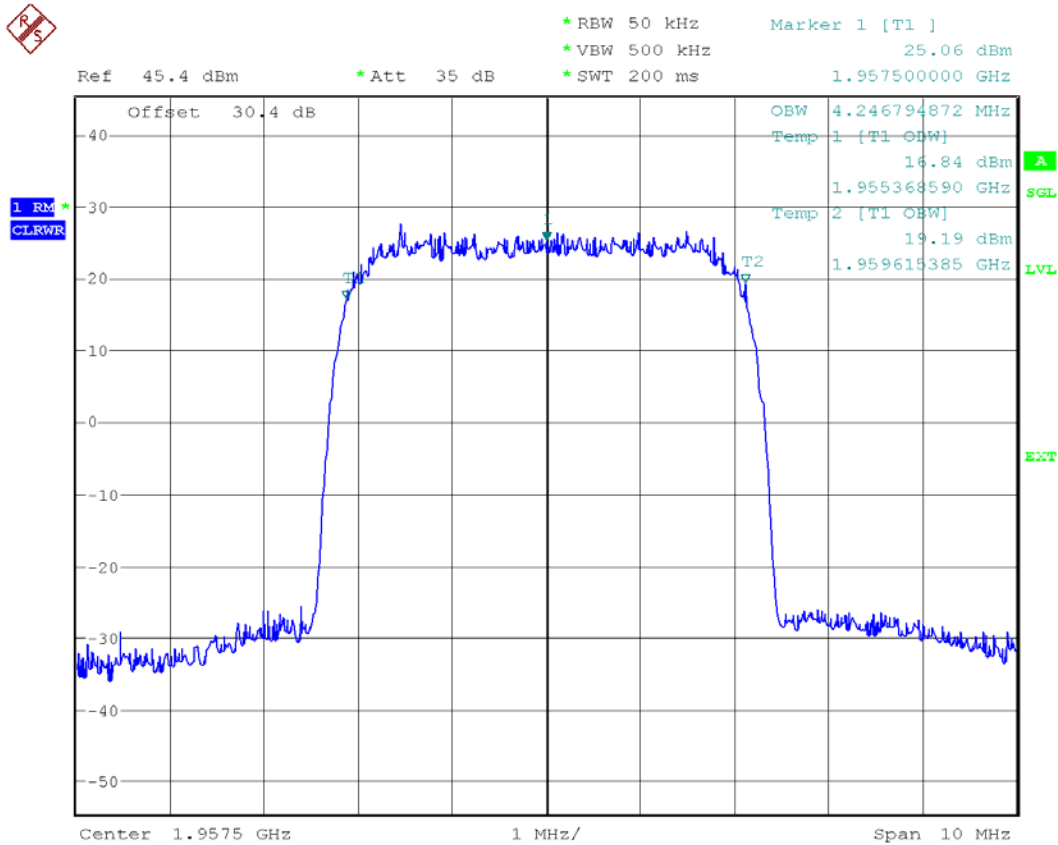
Channel 412
TM1



DIR
Date: 20.JAN.2006 17:16:16

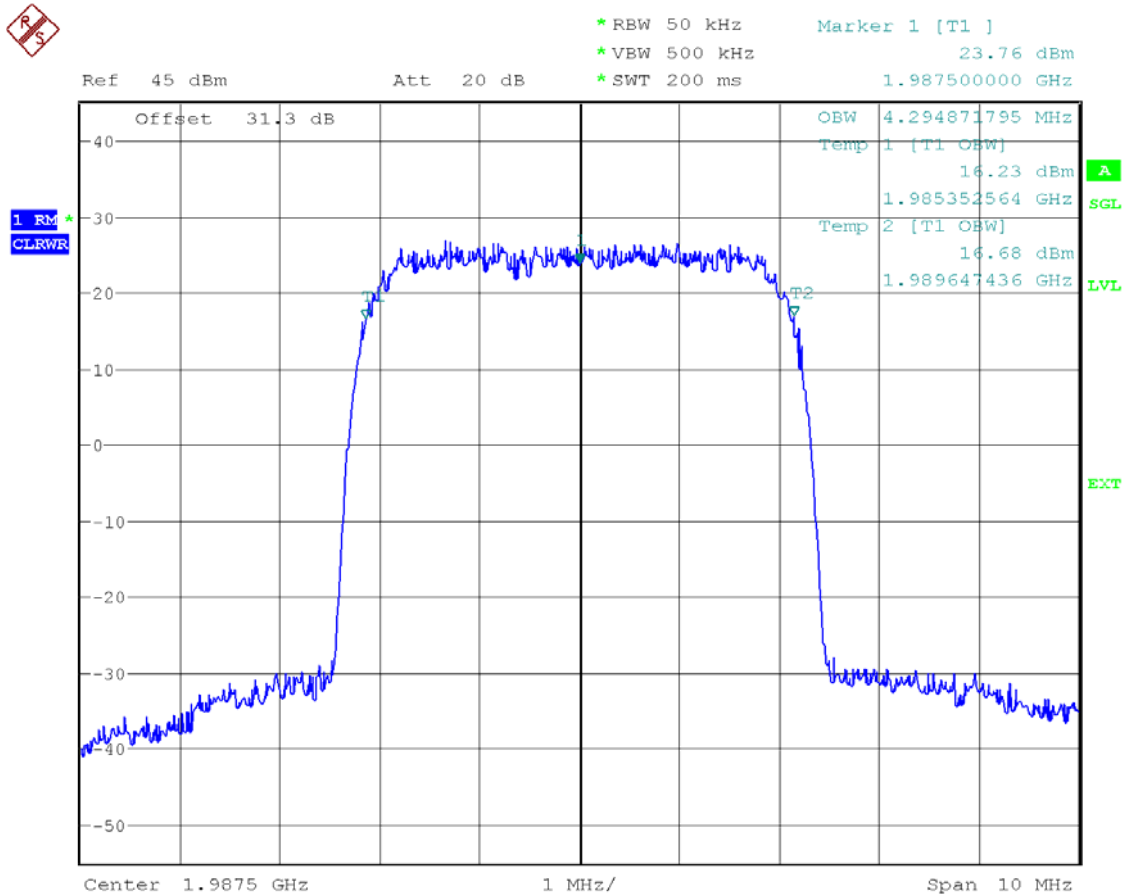


Channel 537
TM1



DIR
Date: 21.JAN.2006 14:38:00

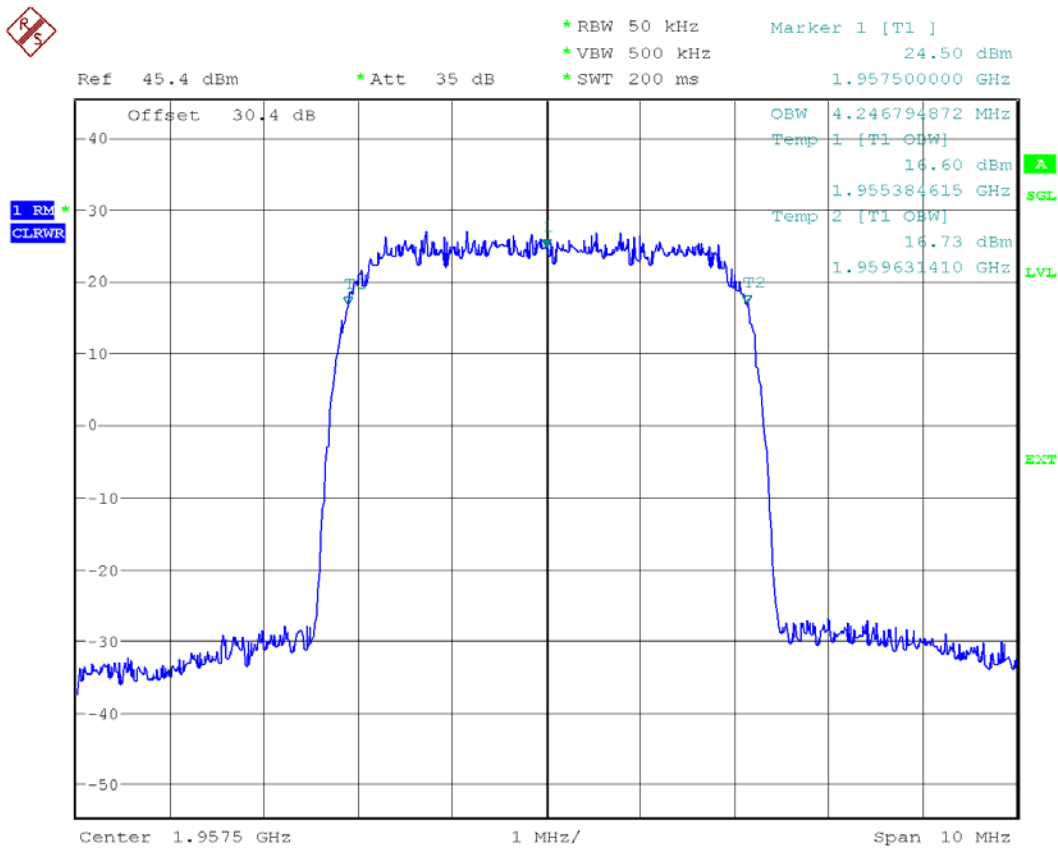
Channel 687
TM1



Date: 19.JAN.2006 12:12:36



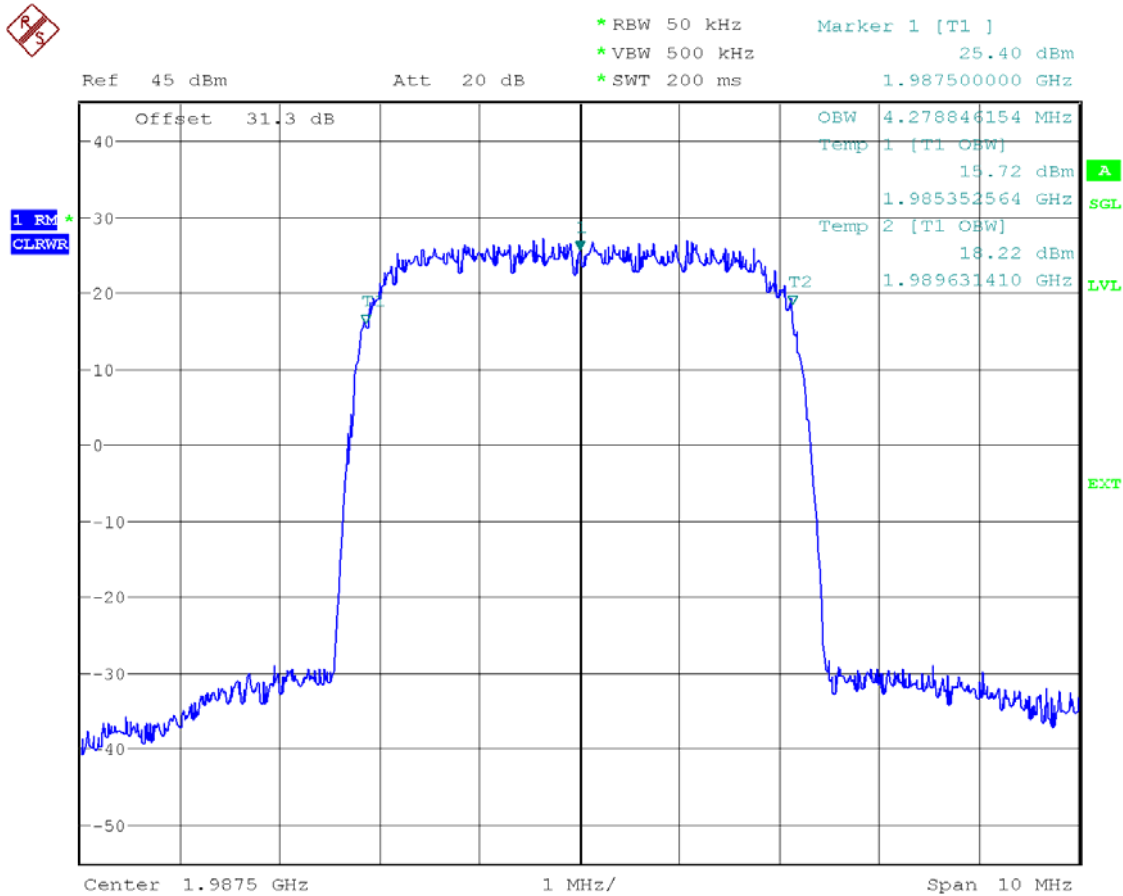
Channel 537
TM5



DIR
Date: 21.JAN.2006 14:41:44



Channel 687
TM5

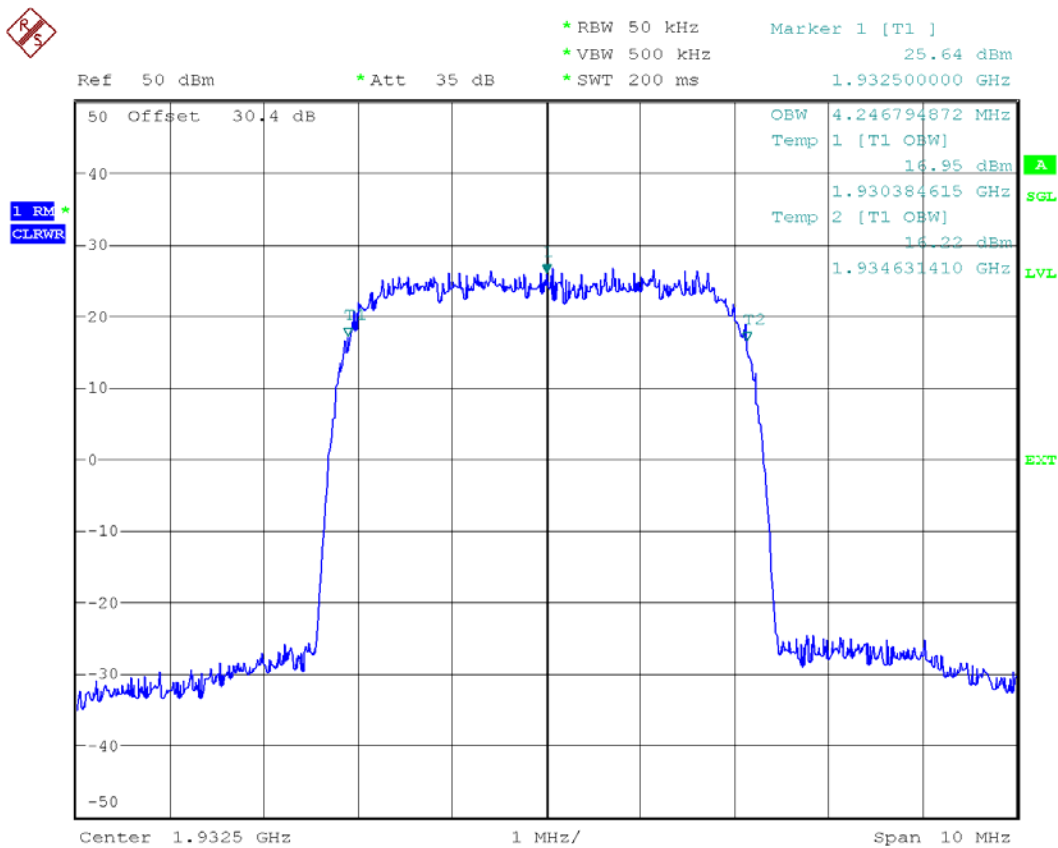


Date: 19.JAN.2006 12:10:24



Single carrier
AC 220V supply

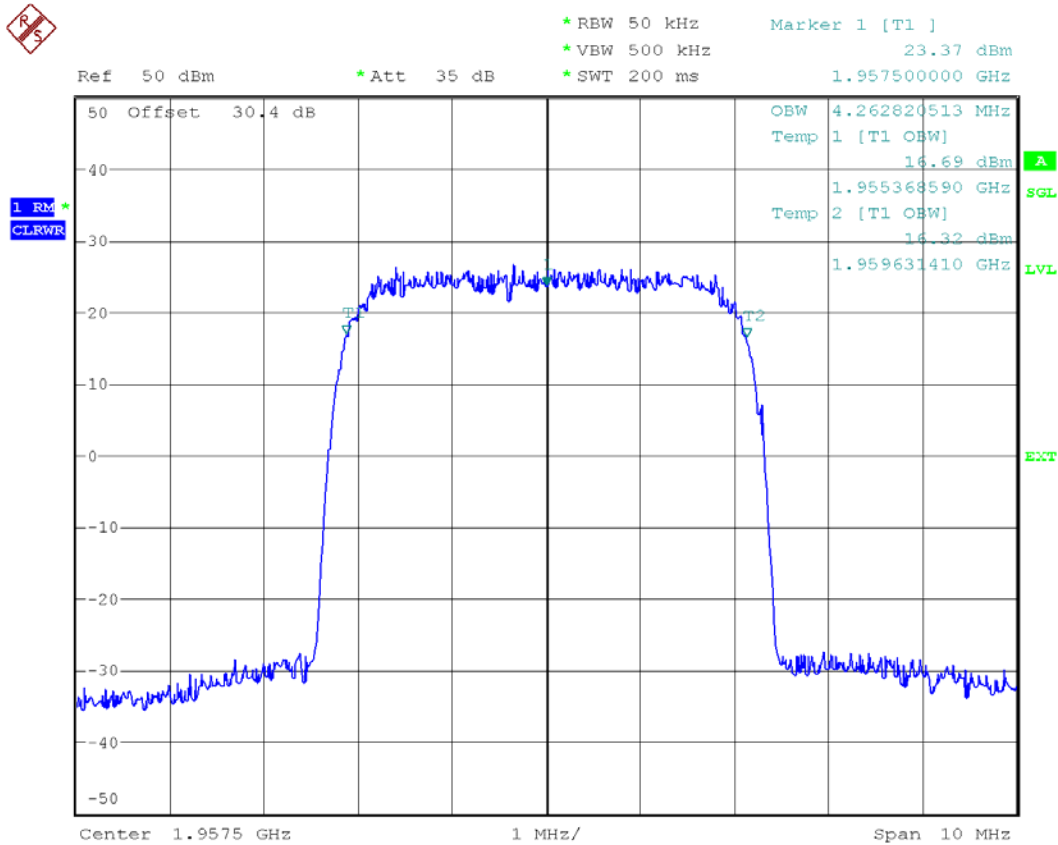
Channel 412
TM1



DIR
Date: 20.JAN.2006 20:26:47



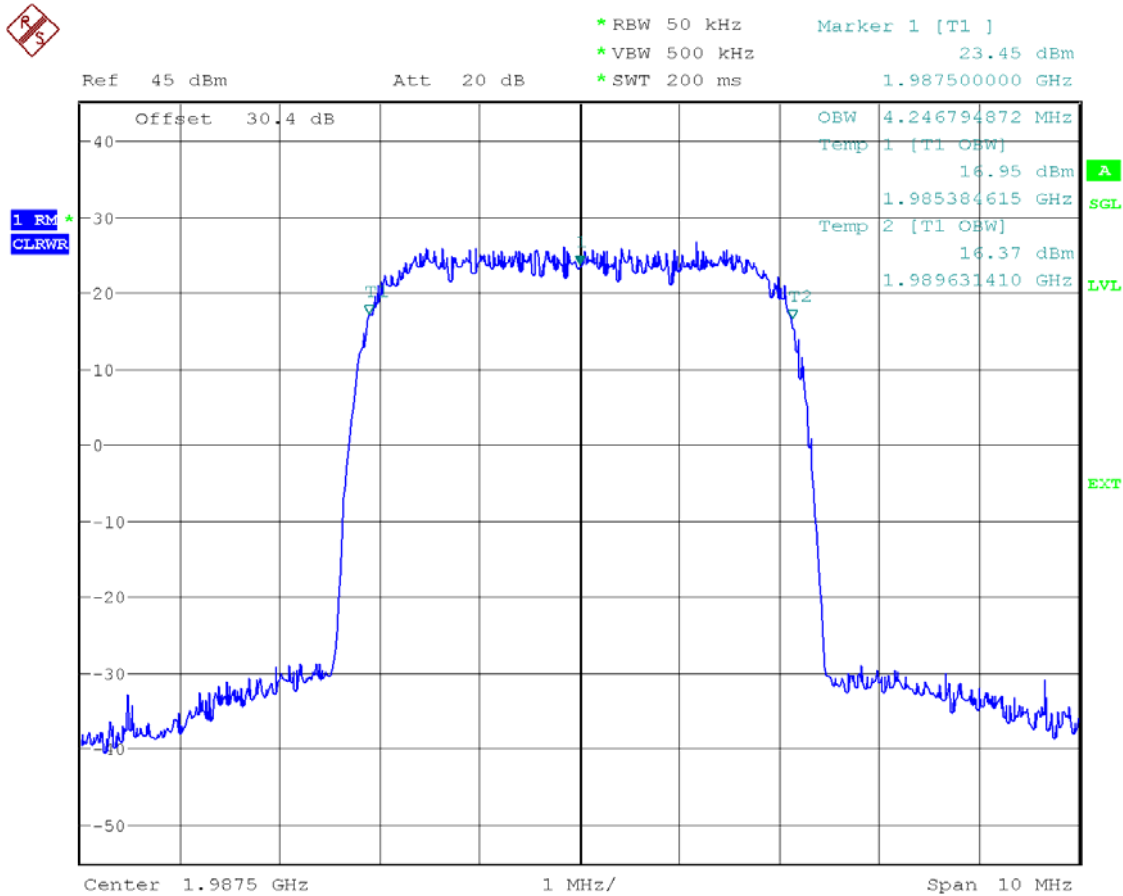
Channel 537
TM1



DIR

Date: 21.JAN.2006 14:52:10

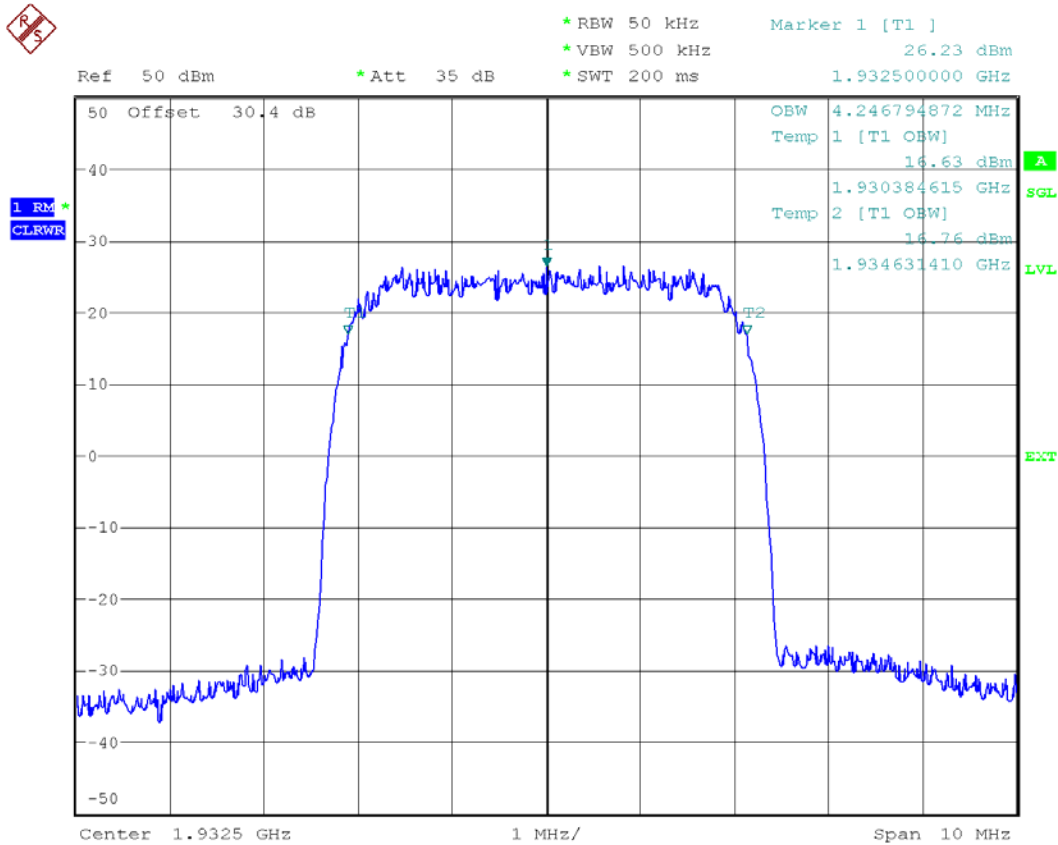
Channel 687
TM1



Date: 19.JAN.2006 12:11:07



Channel 412
TM5

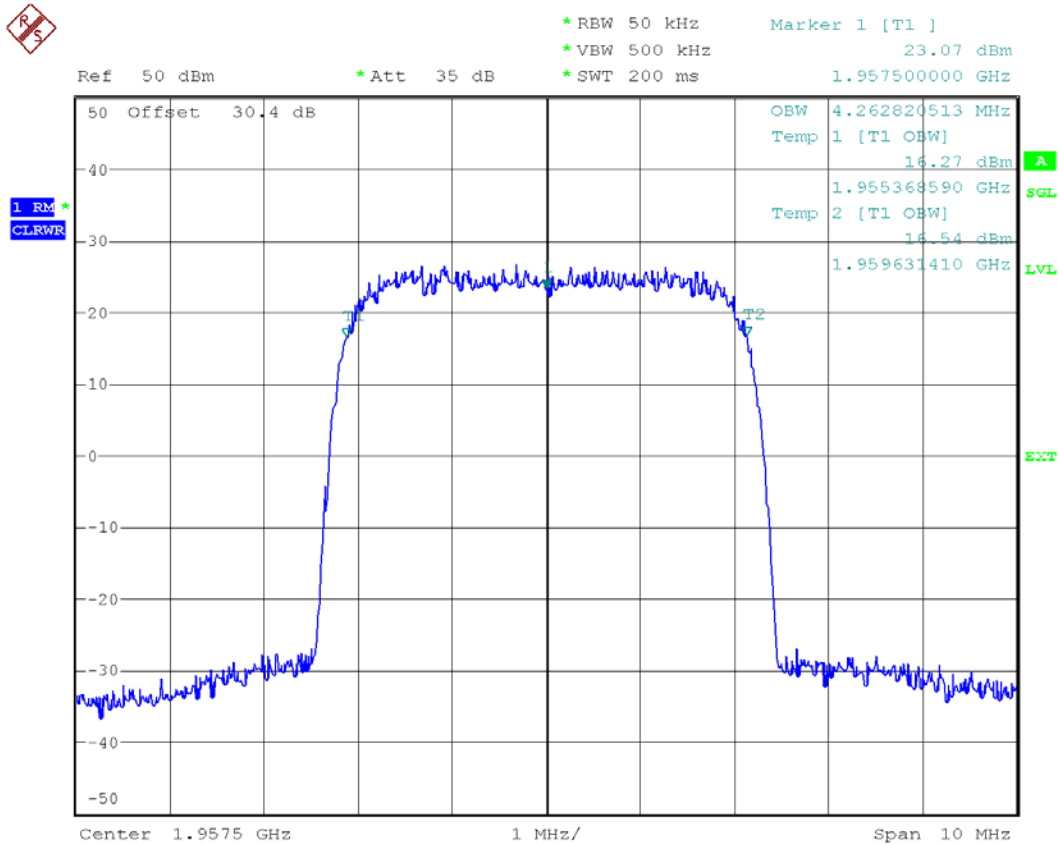


DIR

Date: 20.JAN.2006 20:25:50

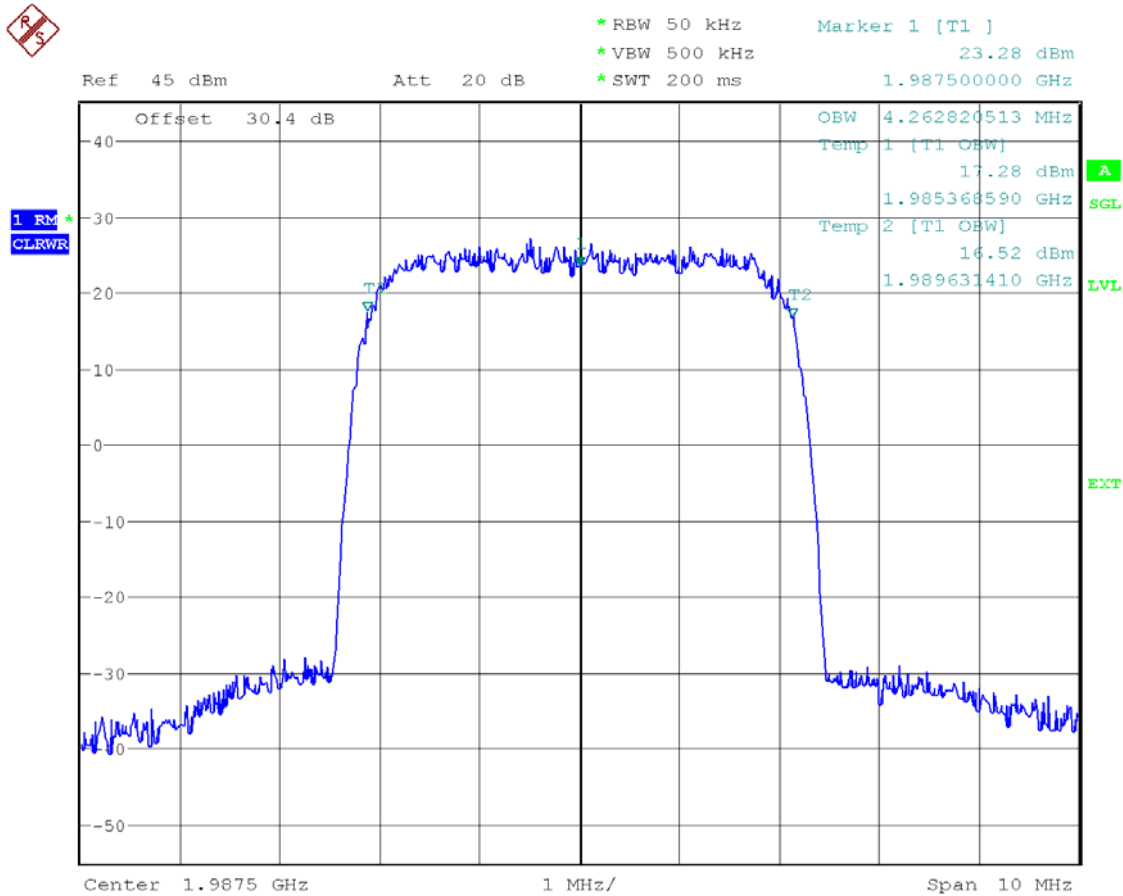


Channel 537
TM5



DIR
Date: 21.JAN.2006 14:52:47

Channel 687
TM5



Date: 19.JAN.2006 12:10:26

Appendix D

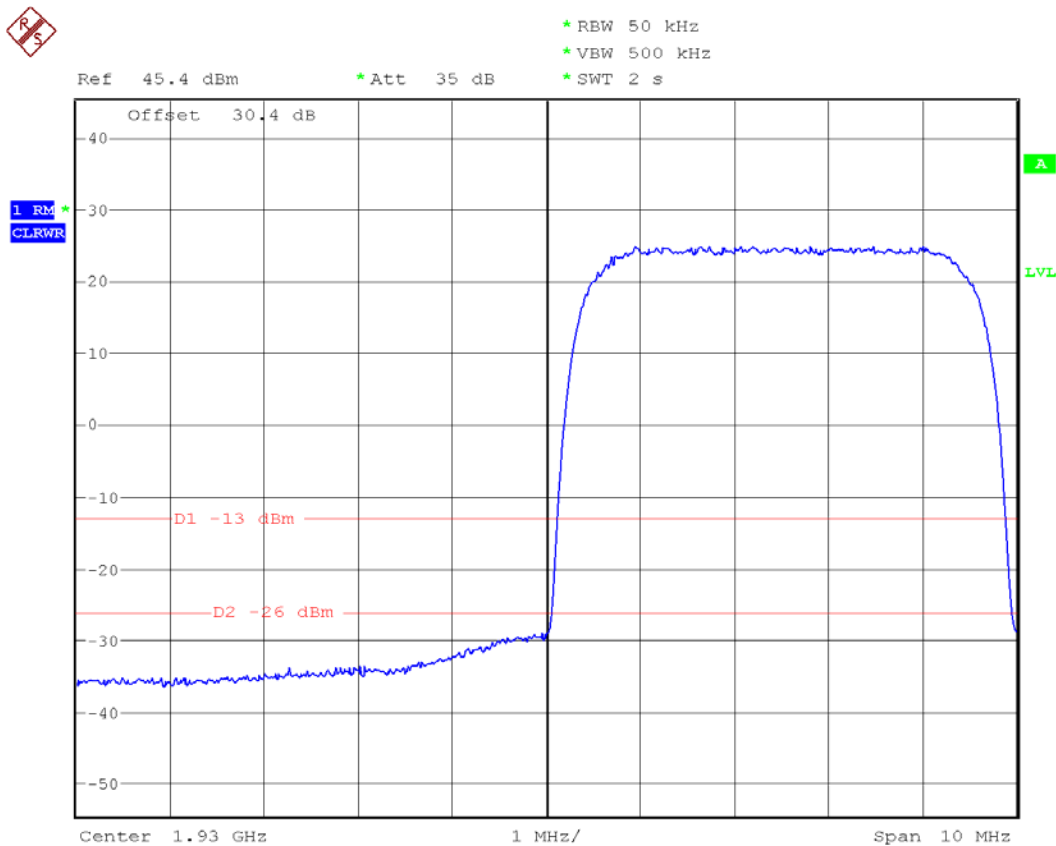
Band Edge Compliance

According to CFR 47 (FCC) part 2.1051 & 24.238

1 Measurement Results at Band Edges

Single Carrier
DC -48v supply

Channel 412
TM1

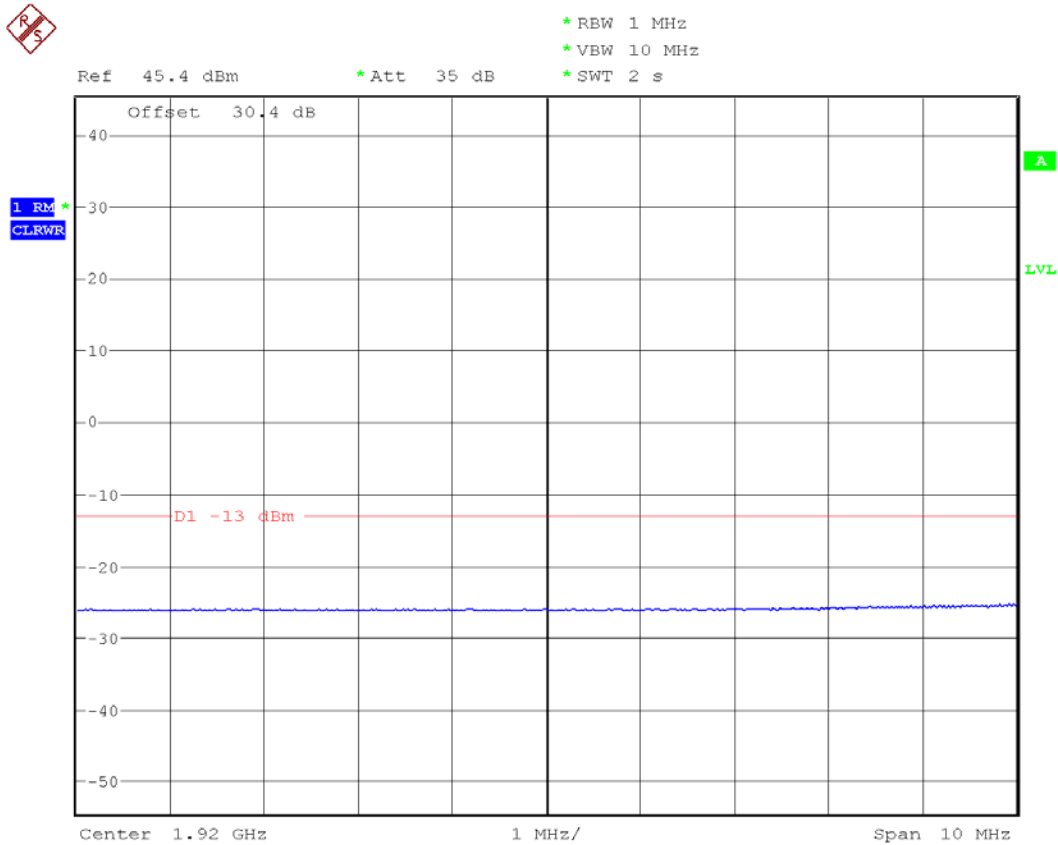


DIR

Date: 20.JAN.2006 17:10:20

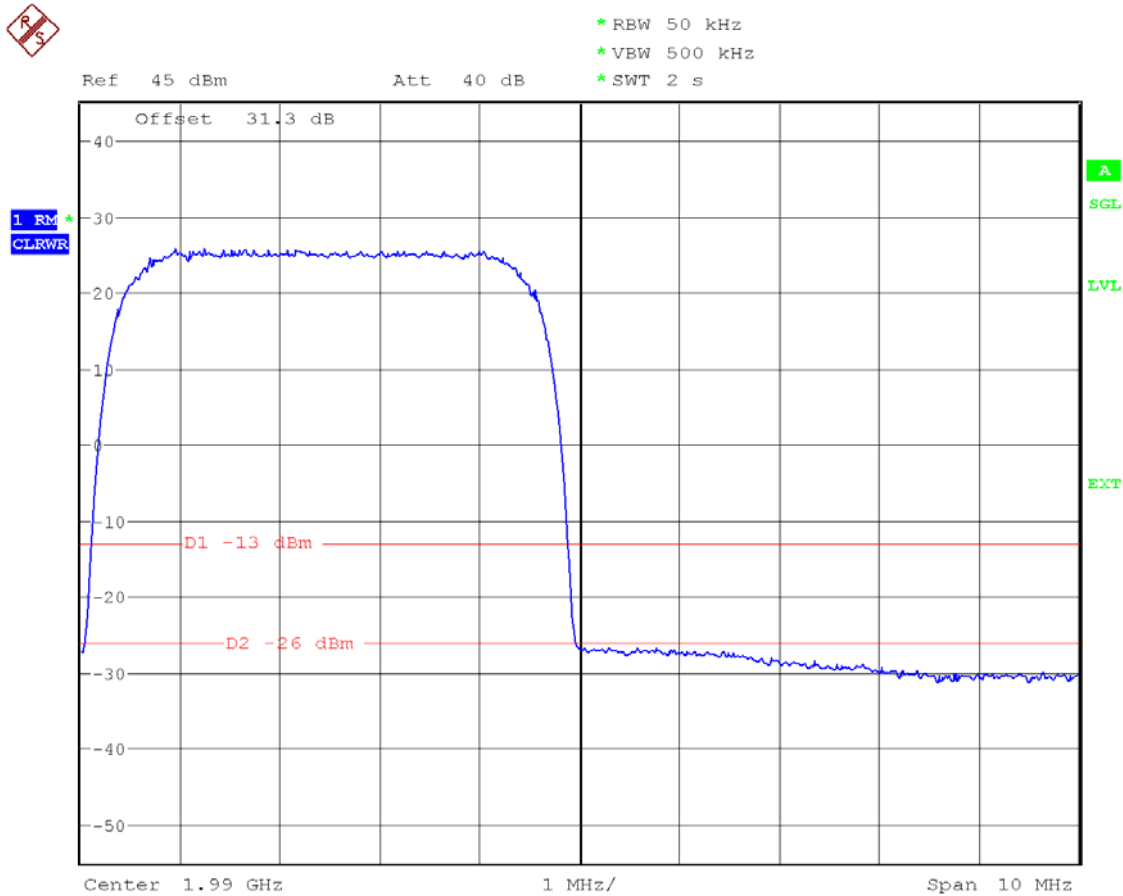


Channel 412
TM1



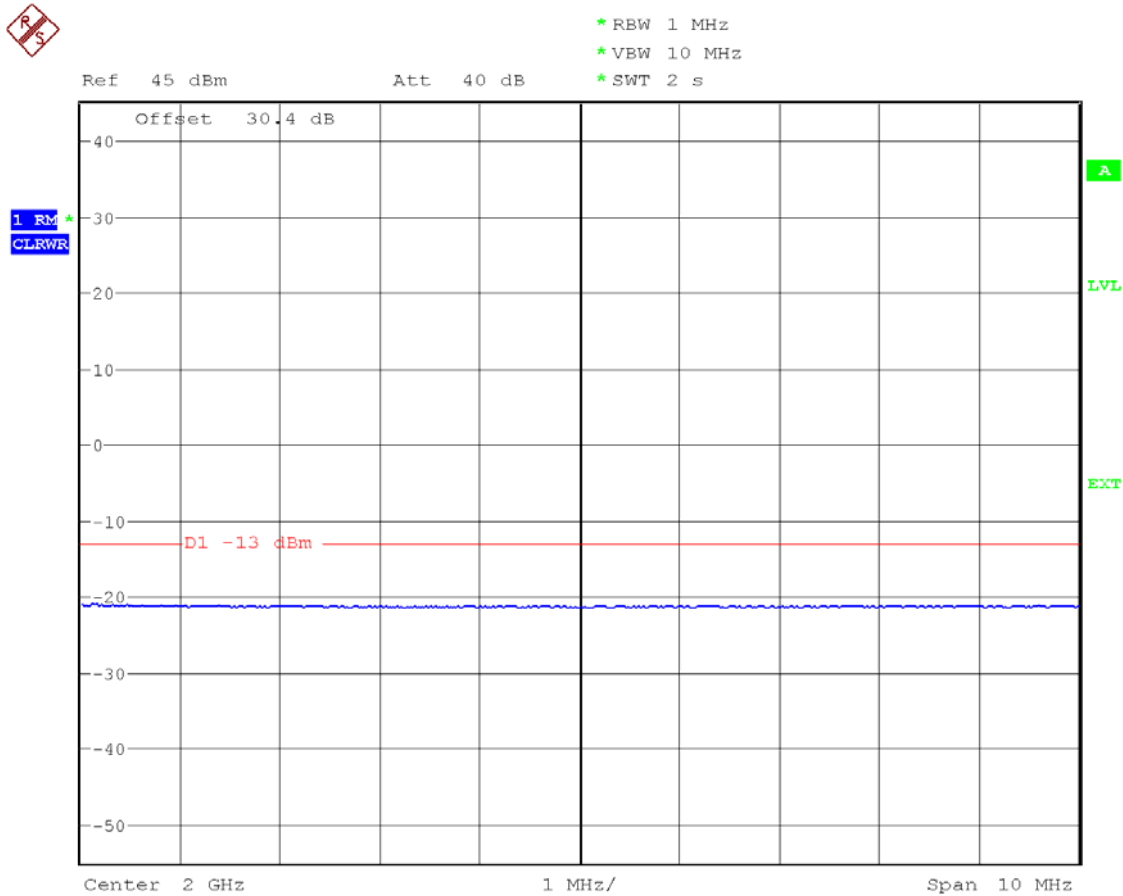
DIR
Date: 20.JAN.2006 17:11:01

Channel 687
TM1



Date: 19.JAN.2006 11:58:23

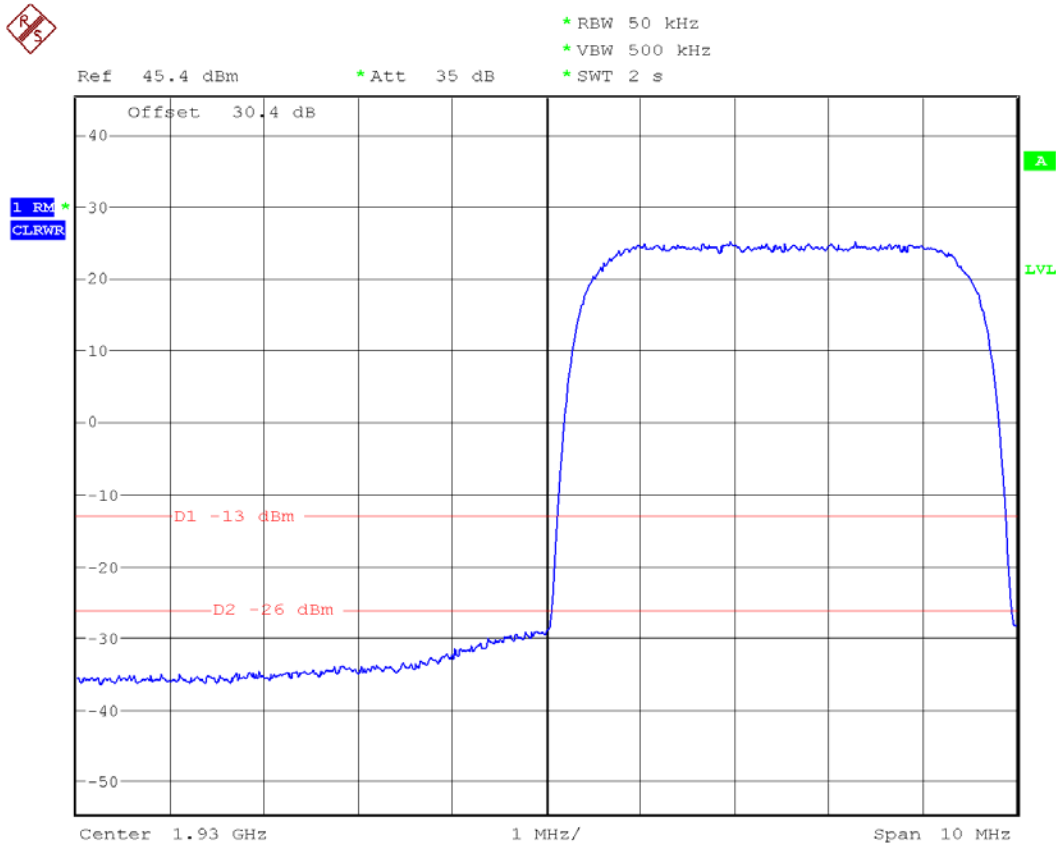
Channel 687
TM1



Date: 19.JAN.2006 12:02:29



Channel 412
TM5

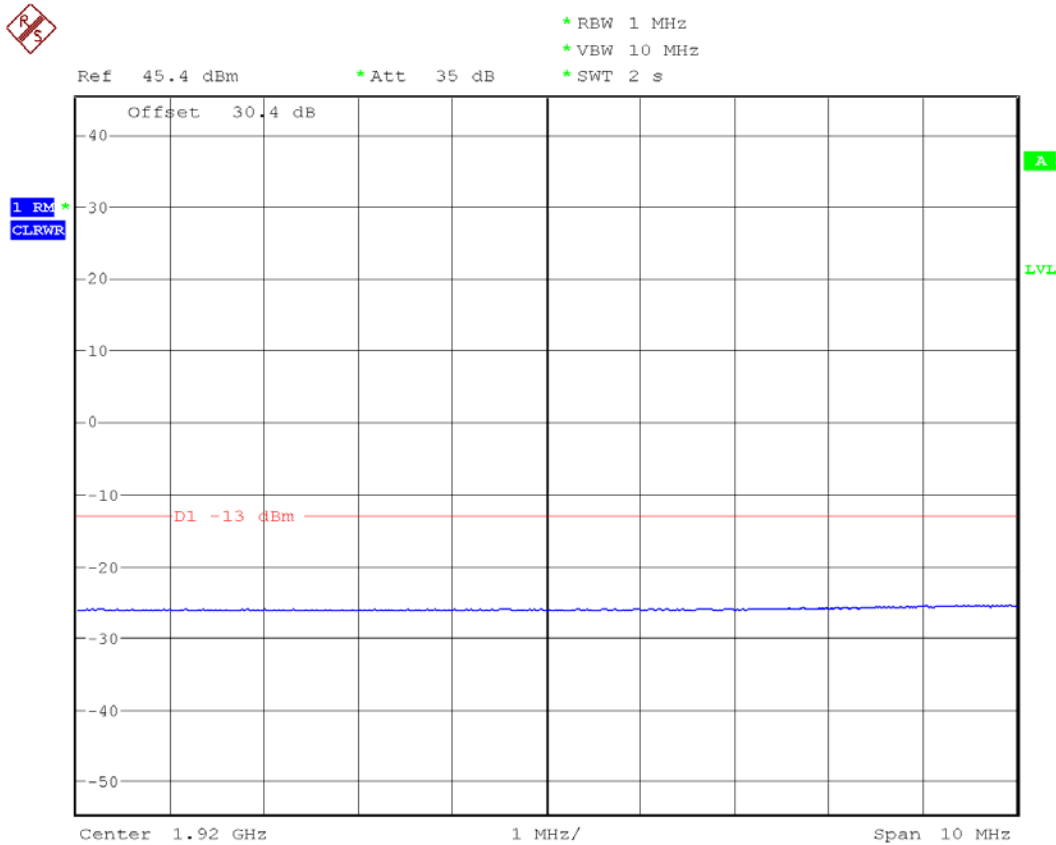


DIR

Date: 20.JAN.2006 17:12:41



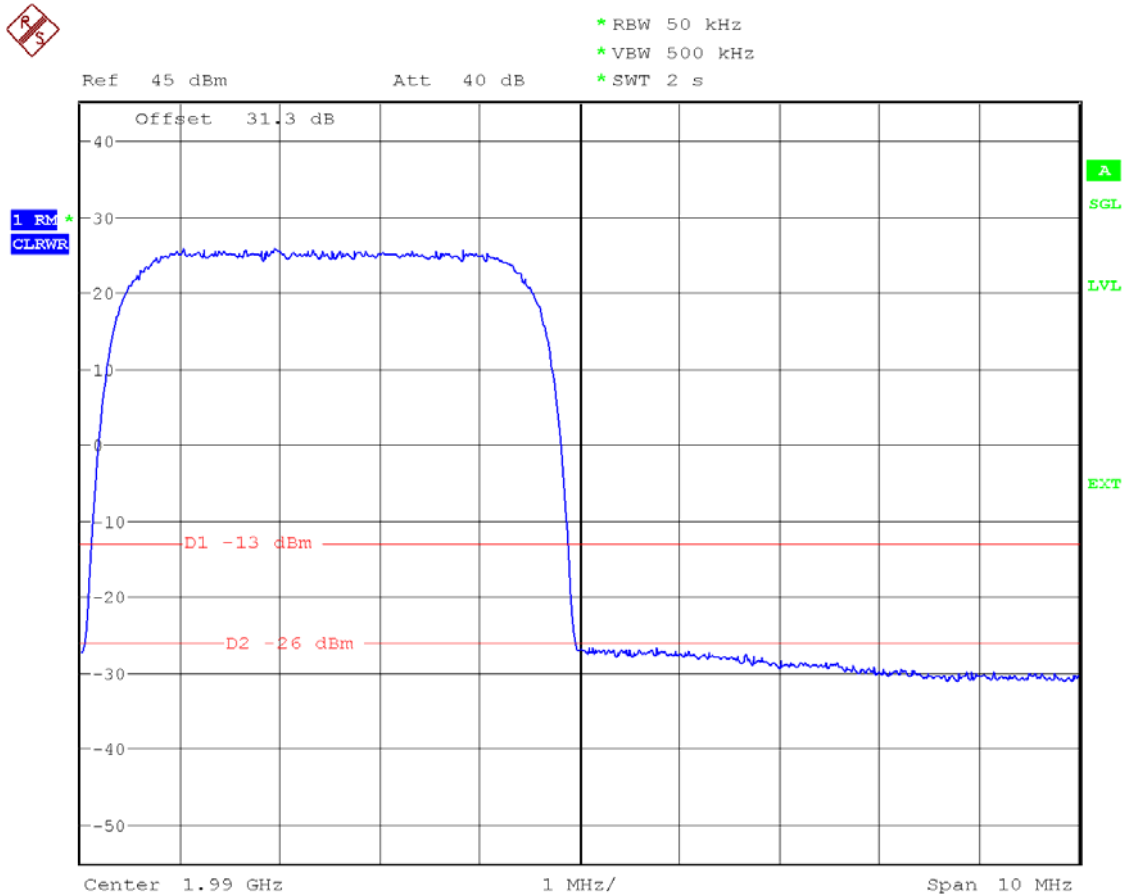
Channel 412
TM5



DIR
Date: 20.JAN.2006 17:13:10



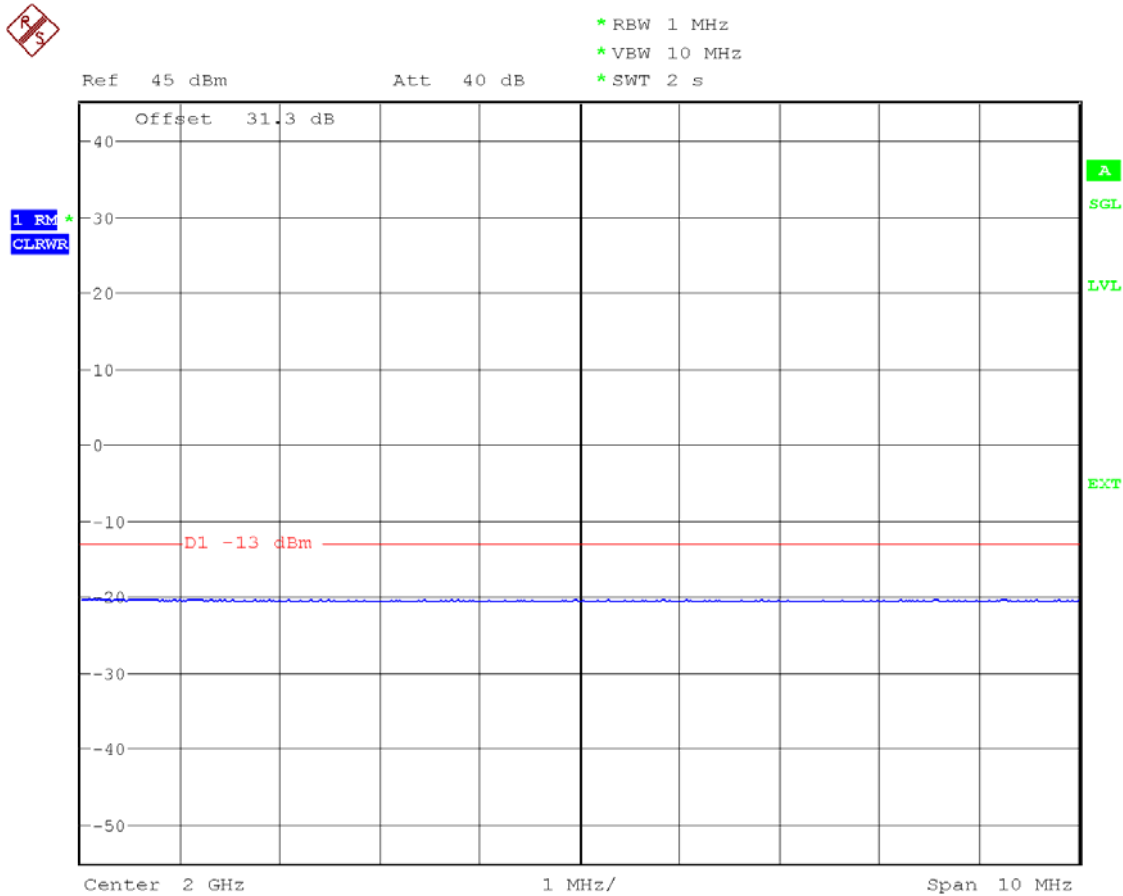
Channel 687
TM5



Date: 19.JAN.2006 12:02:02



Channel 687
TM5

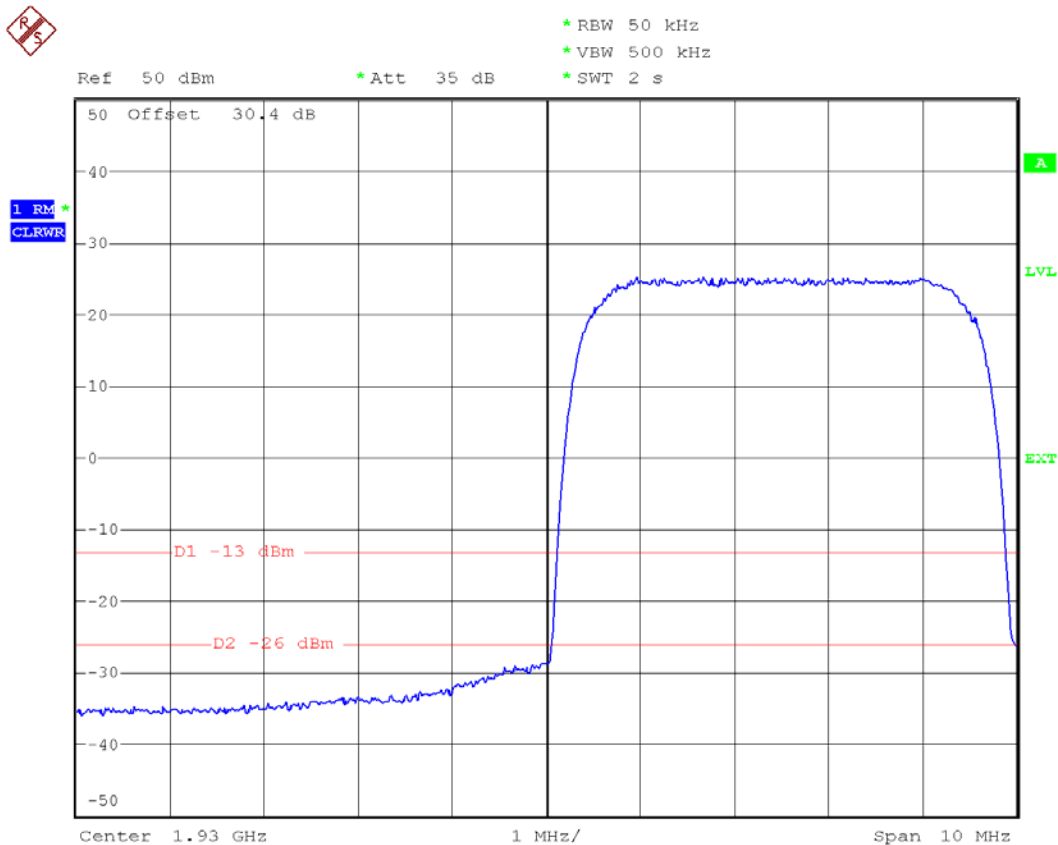


Date: 19.JAN.2006 12:02:55



Single Carrier
AC 220v supply

Channel 412
TM1

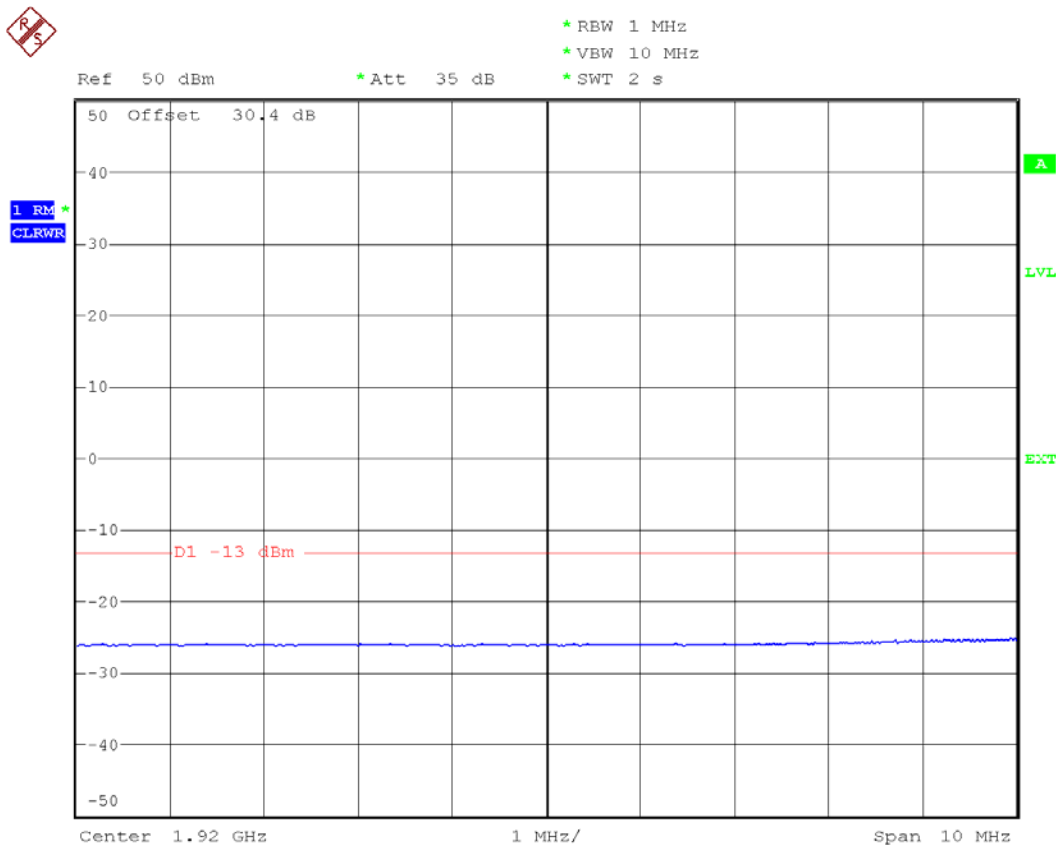


DIR

Date: 20.JAN.2006 20:20:04

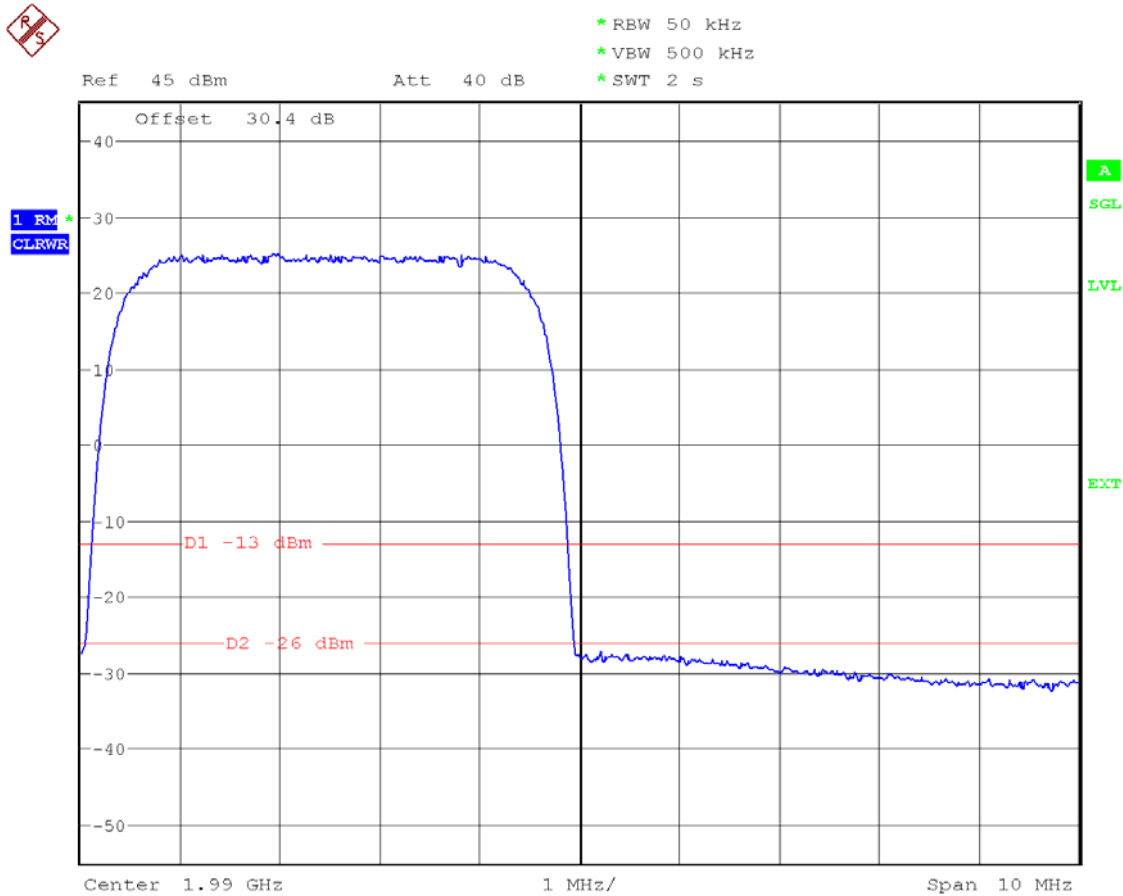


Channel 412
TM1



DIR
Date: 20.JAN.2006 20:20:37

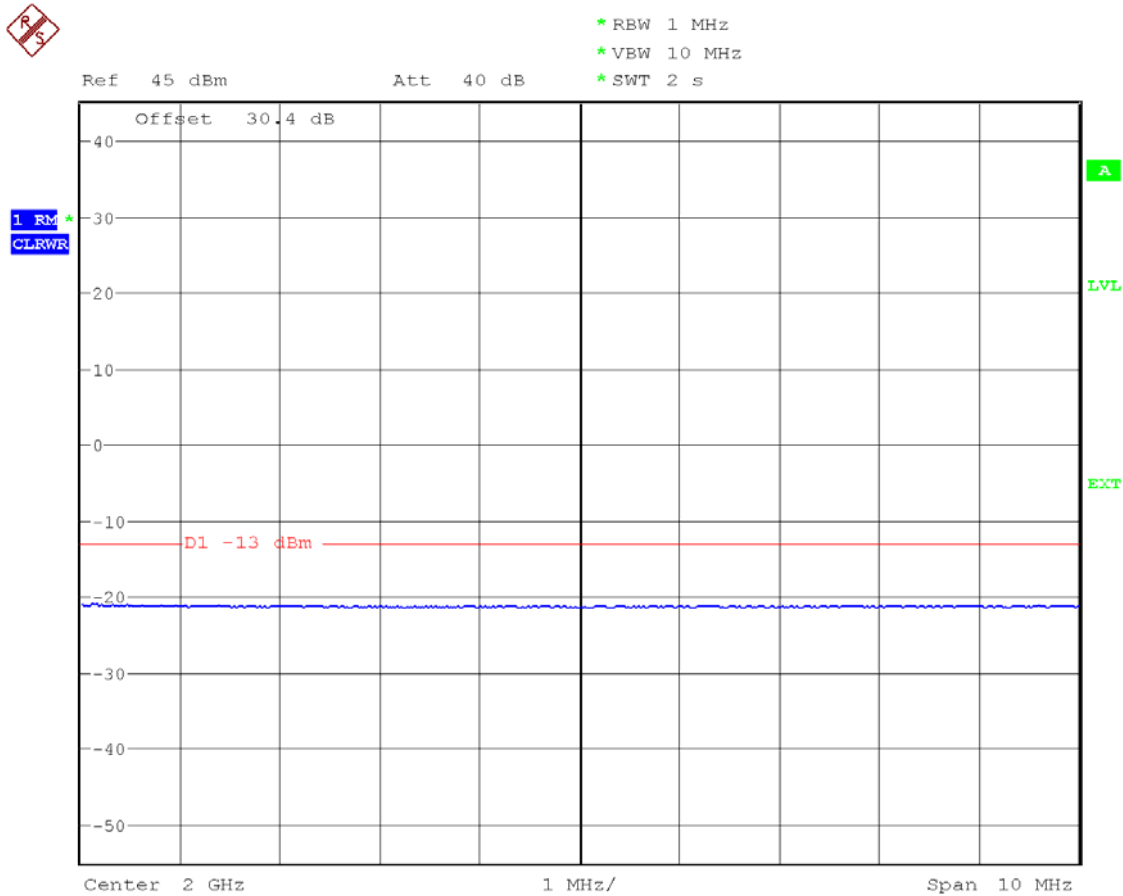
Channel 687
TM1



Date: 19.JAN.2006 12:04:18



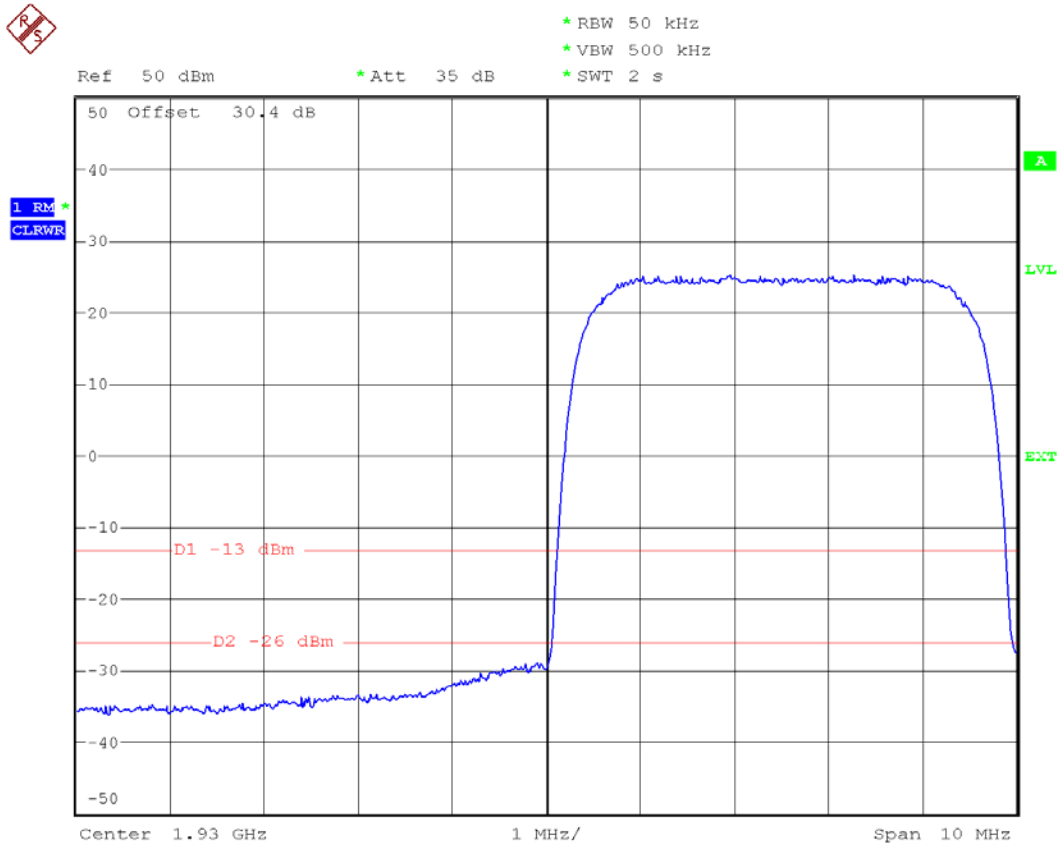
Channel 687
TM1



Date: 19.JAN.2006 12:02:29



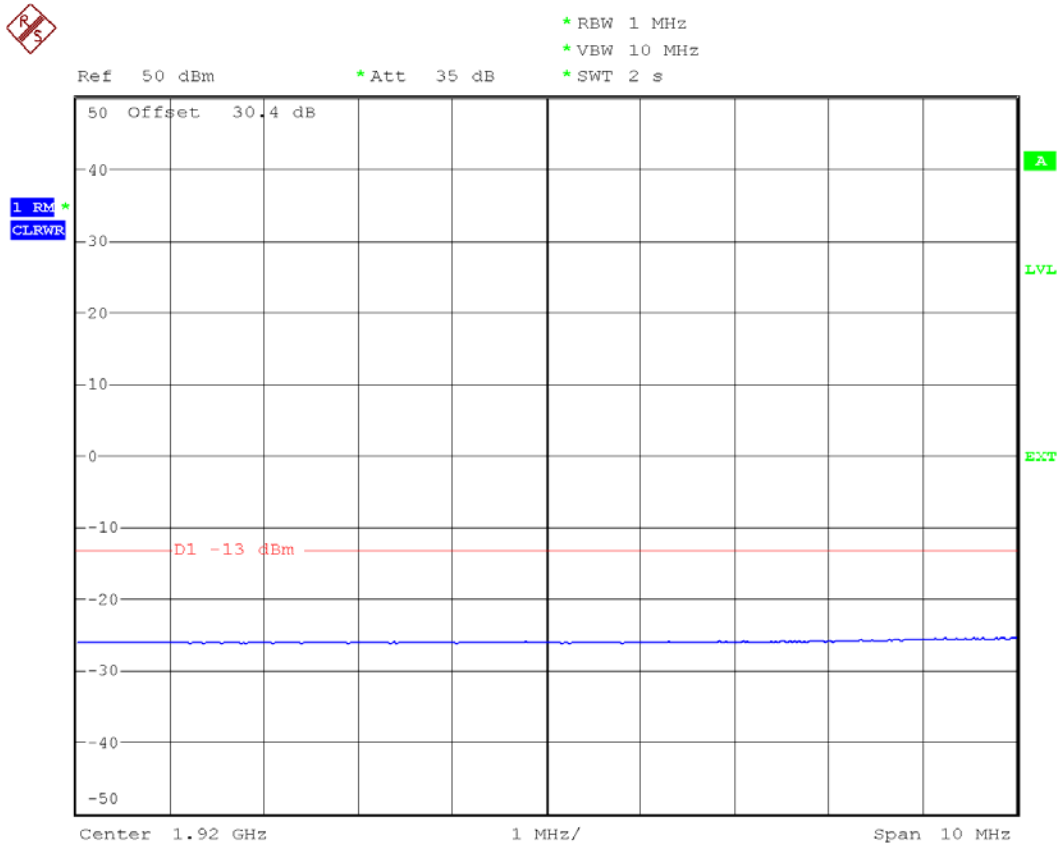
Channel 412
TM5



DIR
Date: 20.JAN.2006 20:22:07



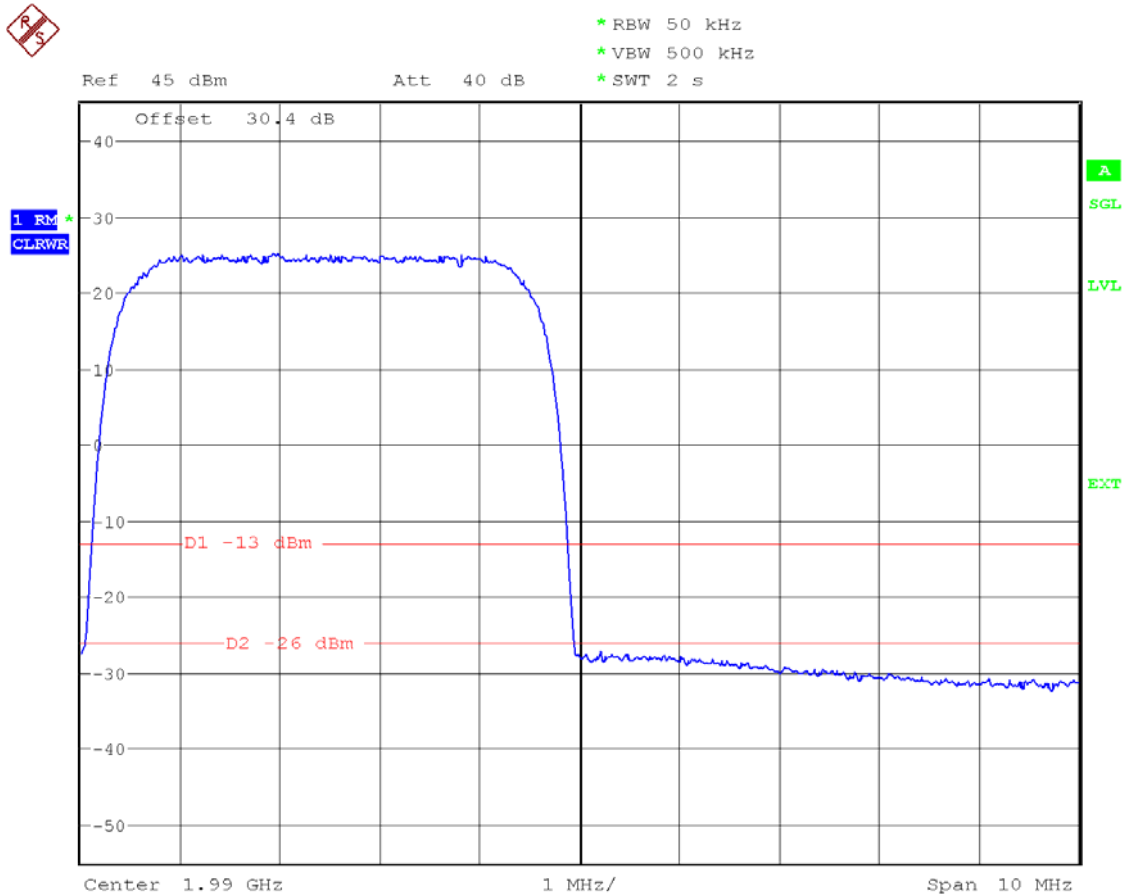
Channel 412
TM5



DIR

Date: 20.JAN.2006 20:22:42

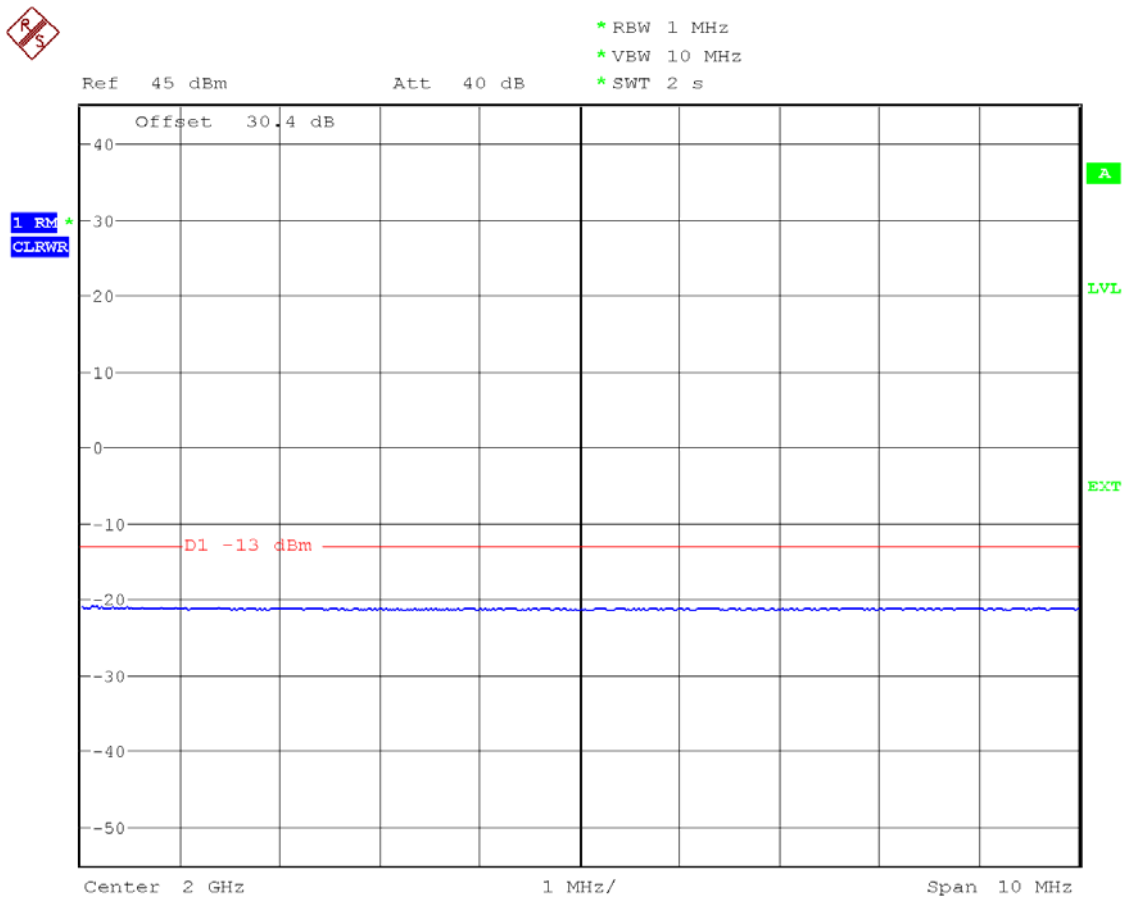
Channel 687
TM5



Date: 19.JAN.2006 12:04:18



Channel 687
TM5



Date: 19.JAN.2006 12:02:29

Appendix E

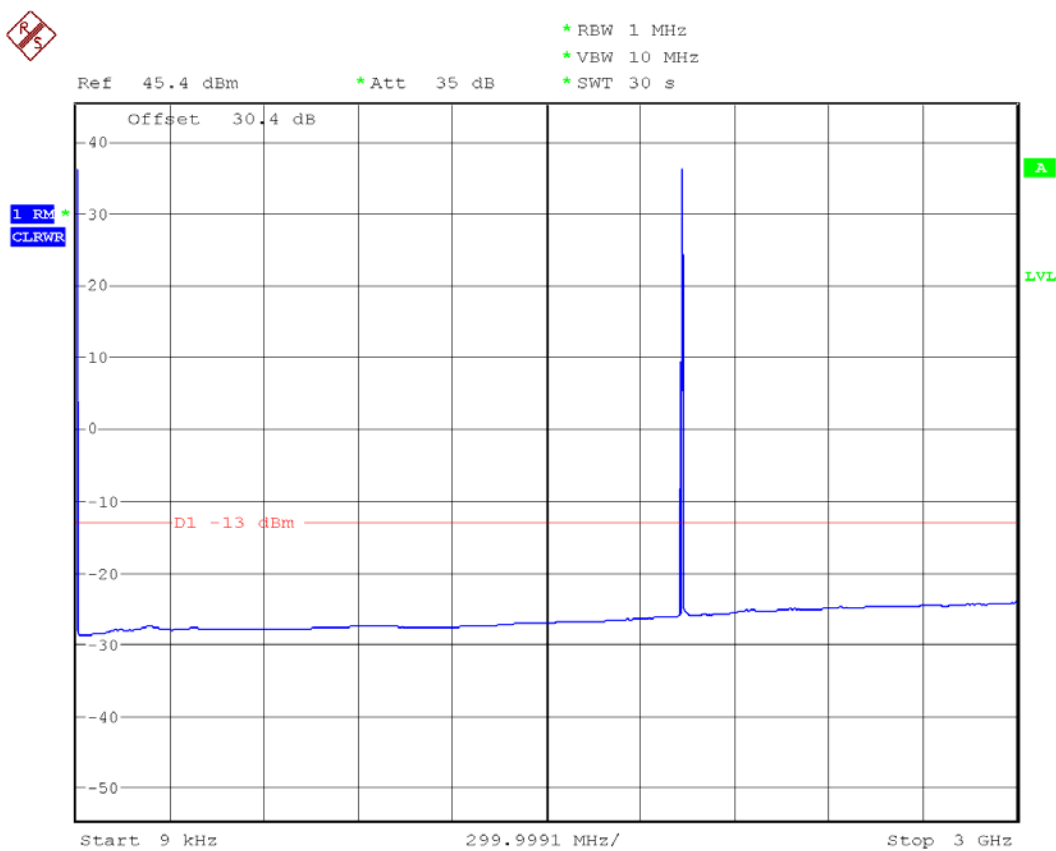
Spurious Emission at Antenna Terminal

According to CFR 47 (FCC) part 2.1051 & 24.238

1 Measurement Results outside Band Edges

Single Carrier
DC -48V supply

Channel 412
TM1

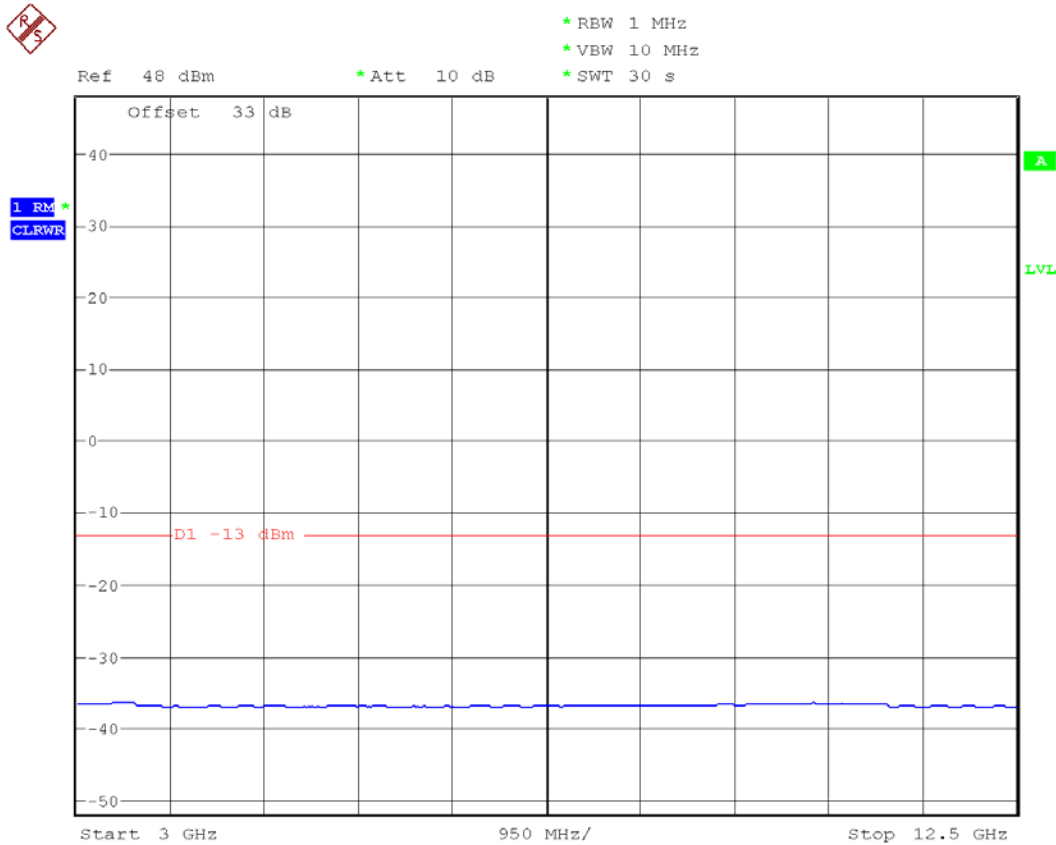


DIR

Date: 20.JAN.2006 17:21:14



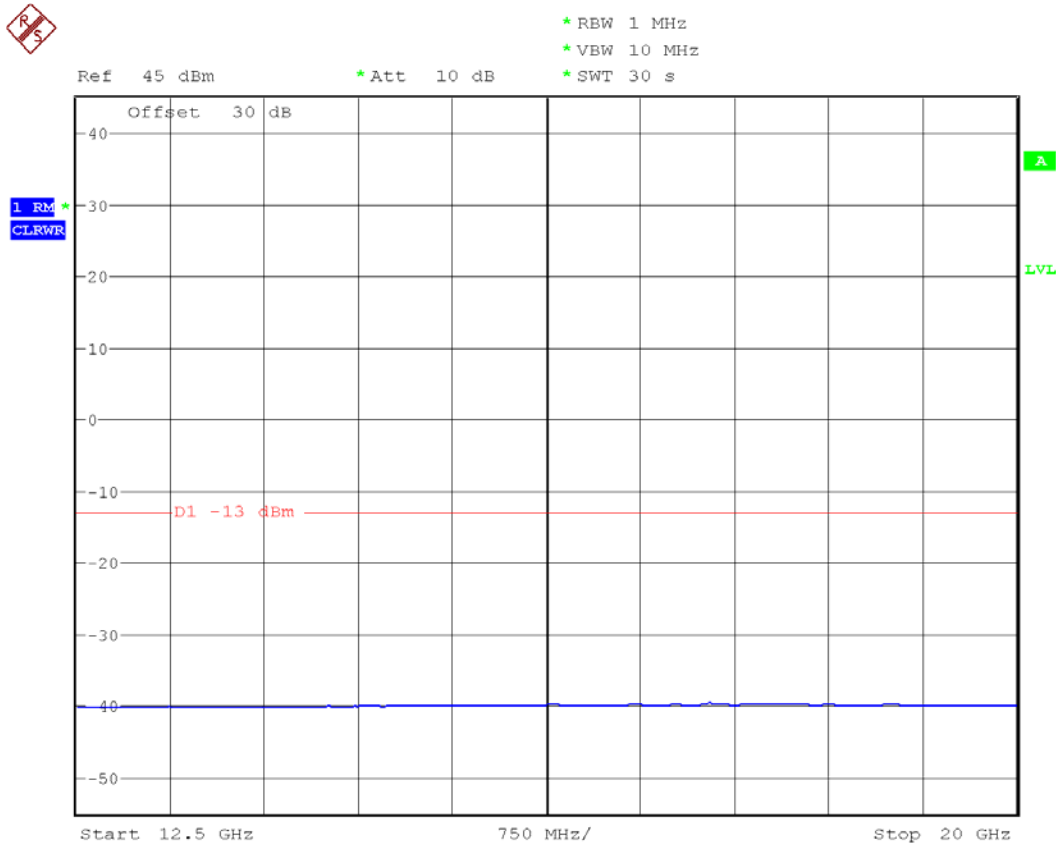
Channel 412
TM1



DIR
Date: 20.JAN.2006 17:23:30



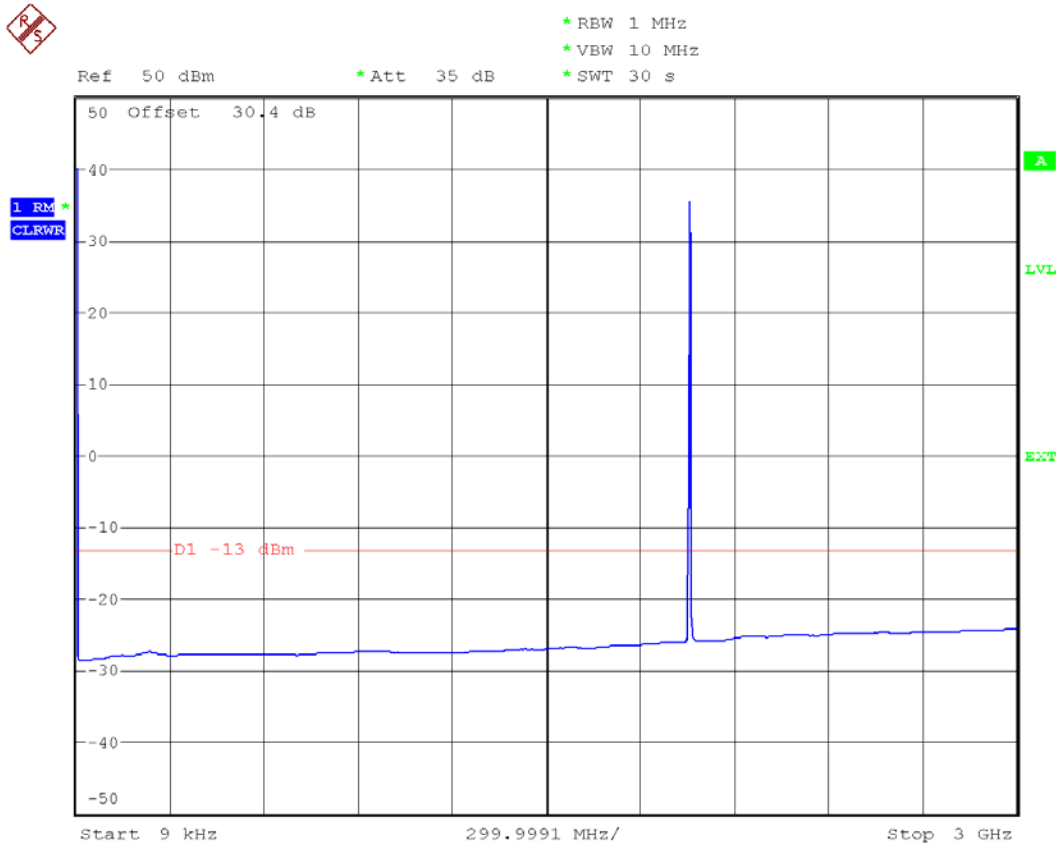
Channel 412
TM1



DIR
Date: 20.JAN.2006 17:28:09



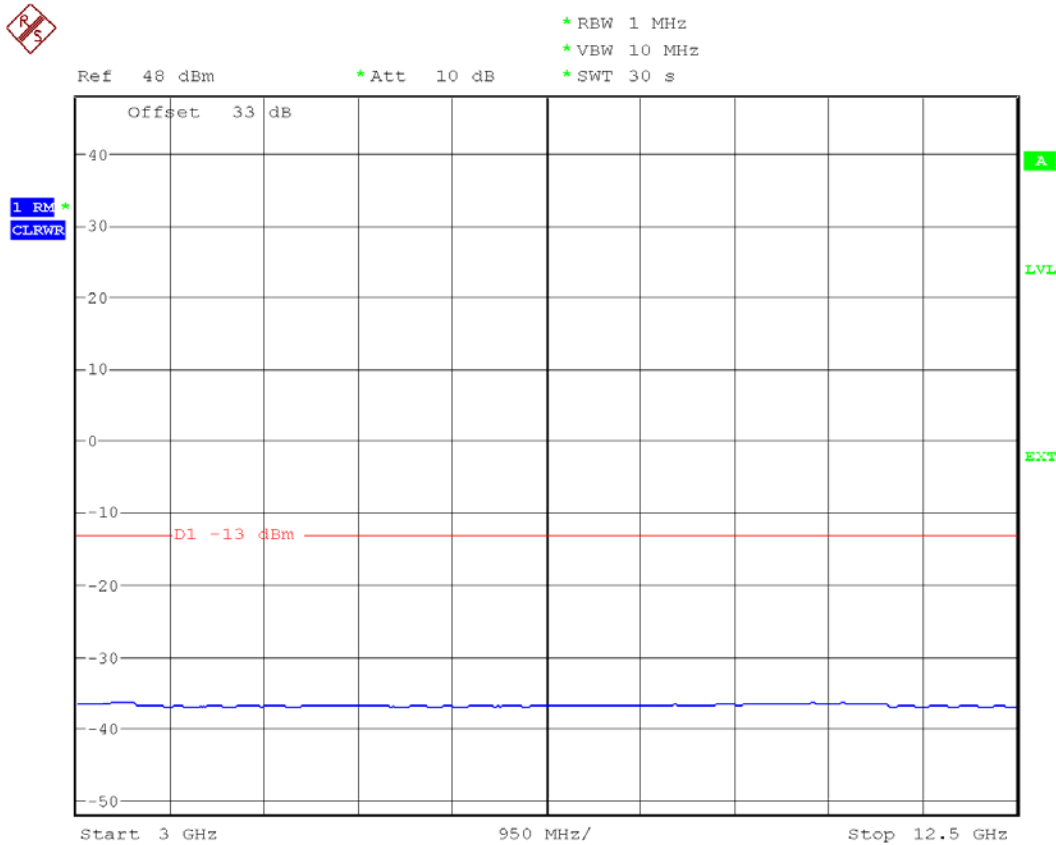
Channel 537
TM1



DIR
Date: 20.JAN.2006 20:05:38



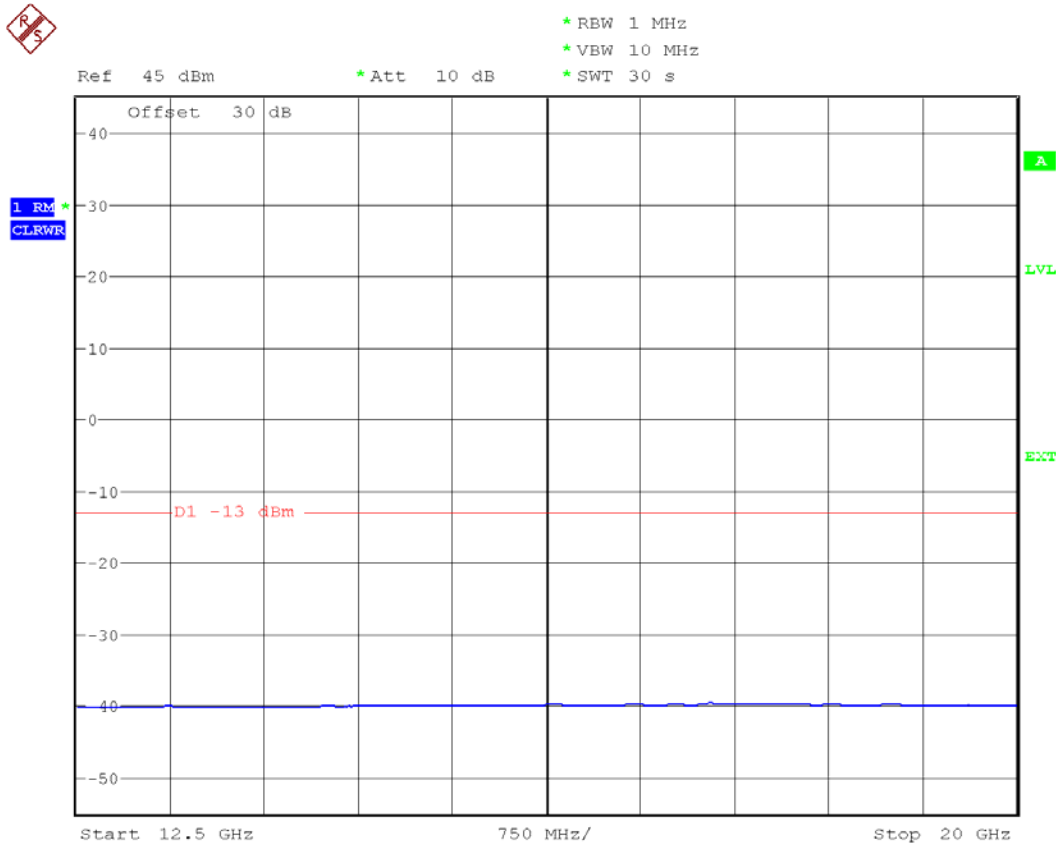
Channel 537
TM1



DIR
Date: 20.JAN.2006 20:07:12



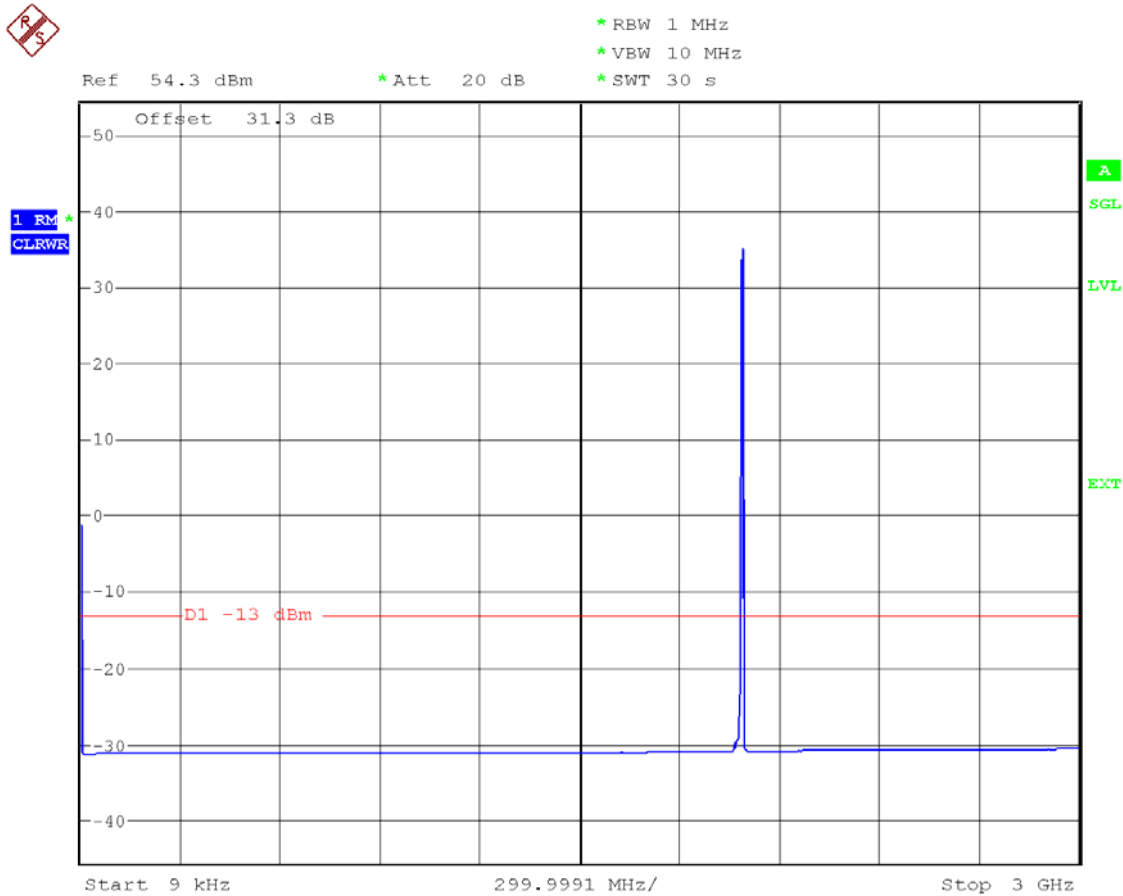
Channel 537
TM1



DIR
Date: 20.JAN.2006 20:08:23



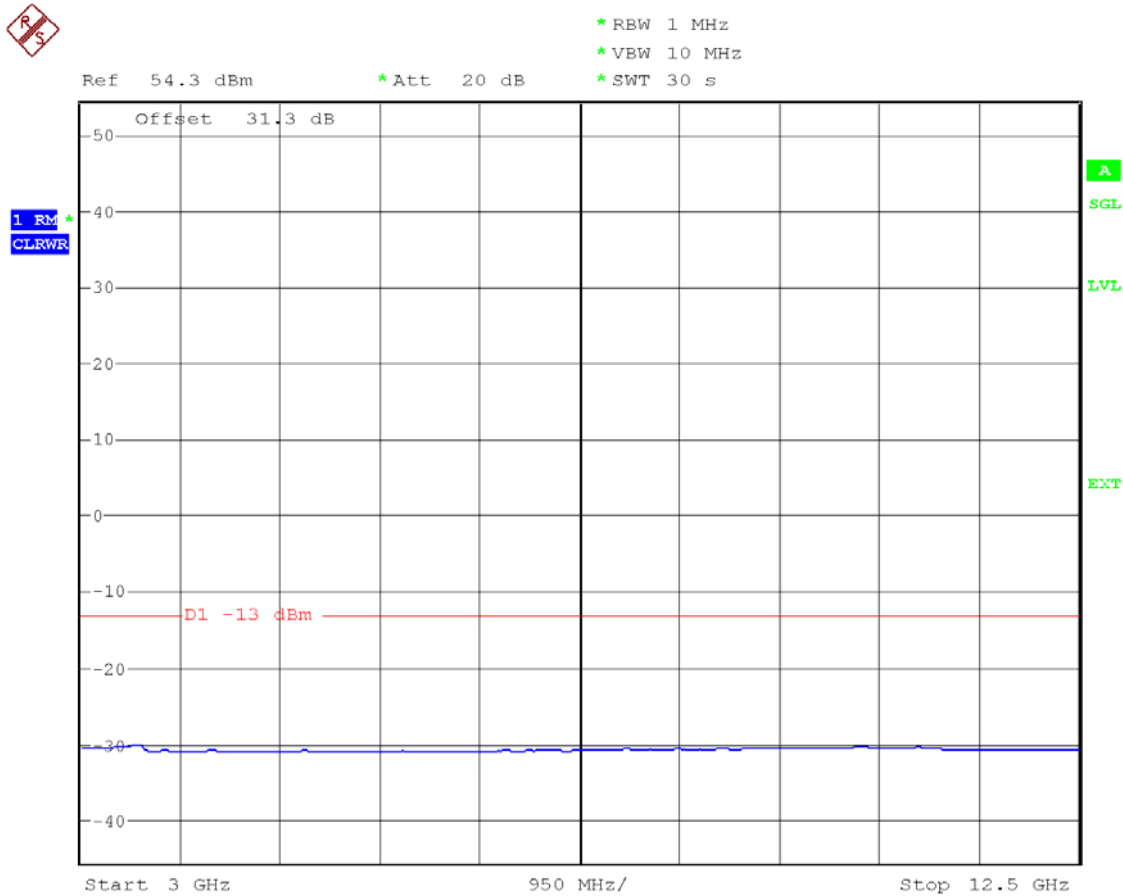
Channel 687
TM1



Date: 19.JAN.2006 11:14:05



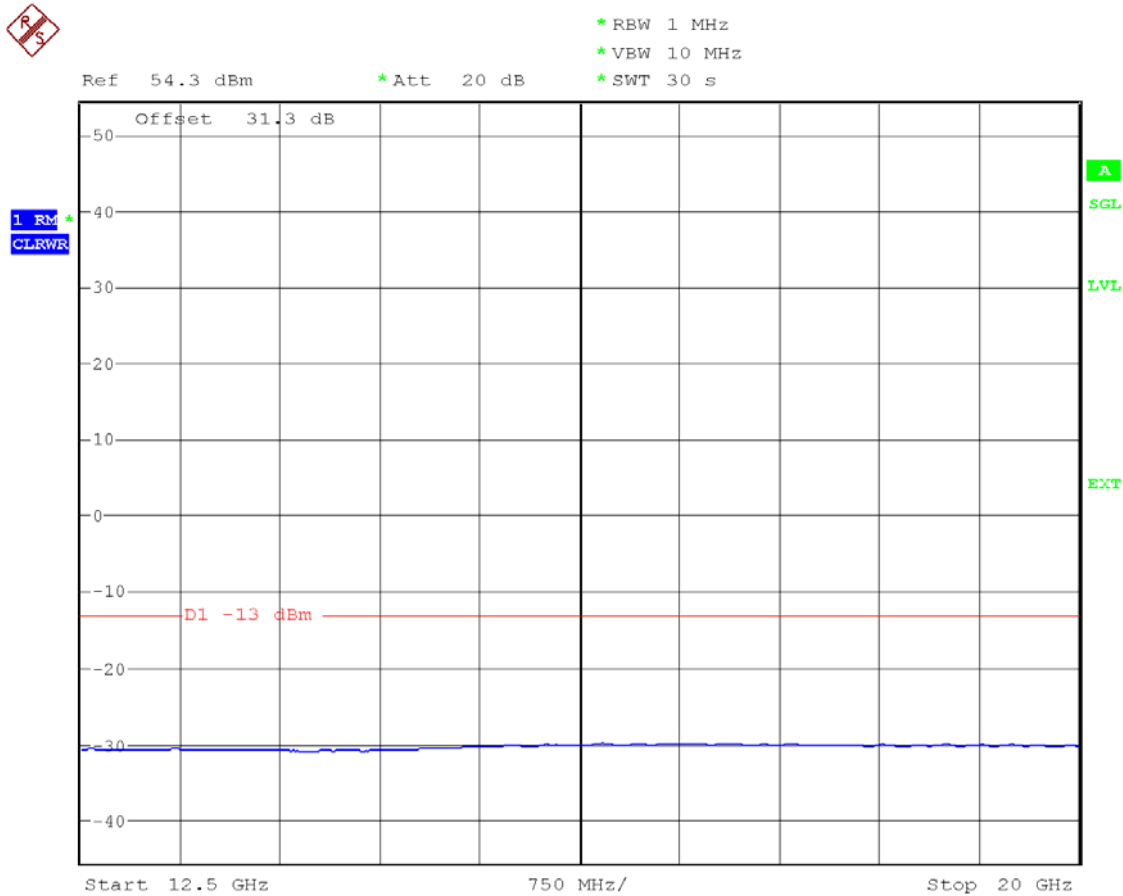
Channel 687
TM1



Date: 19.JAN.2006 11:16:00



Channel 687
TM1

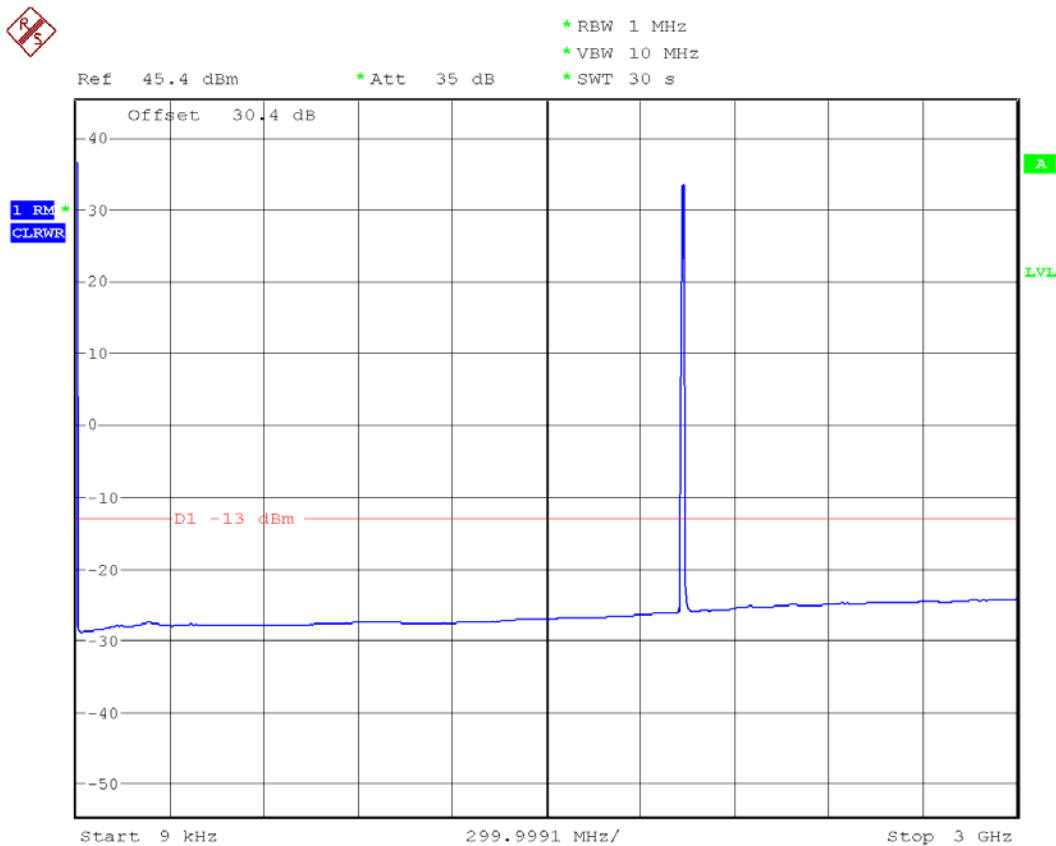


Date: 19.JAN.2006 11:21:04



Double Carriers
DC -48V supply

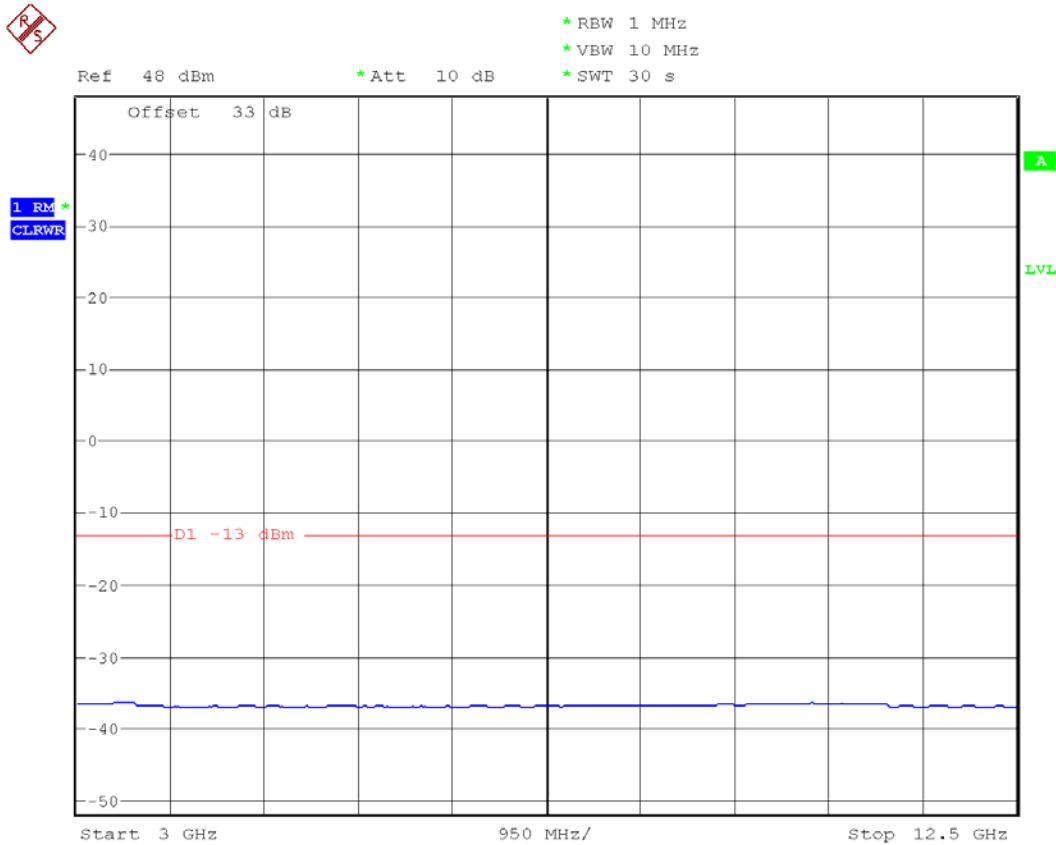
Channel 412/Channel 437
TM5



DIR
Date: 20.JAN.2006 17:31:38



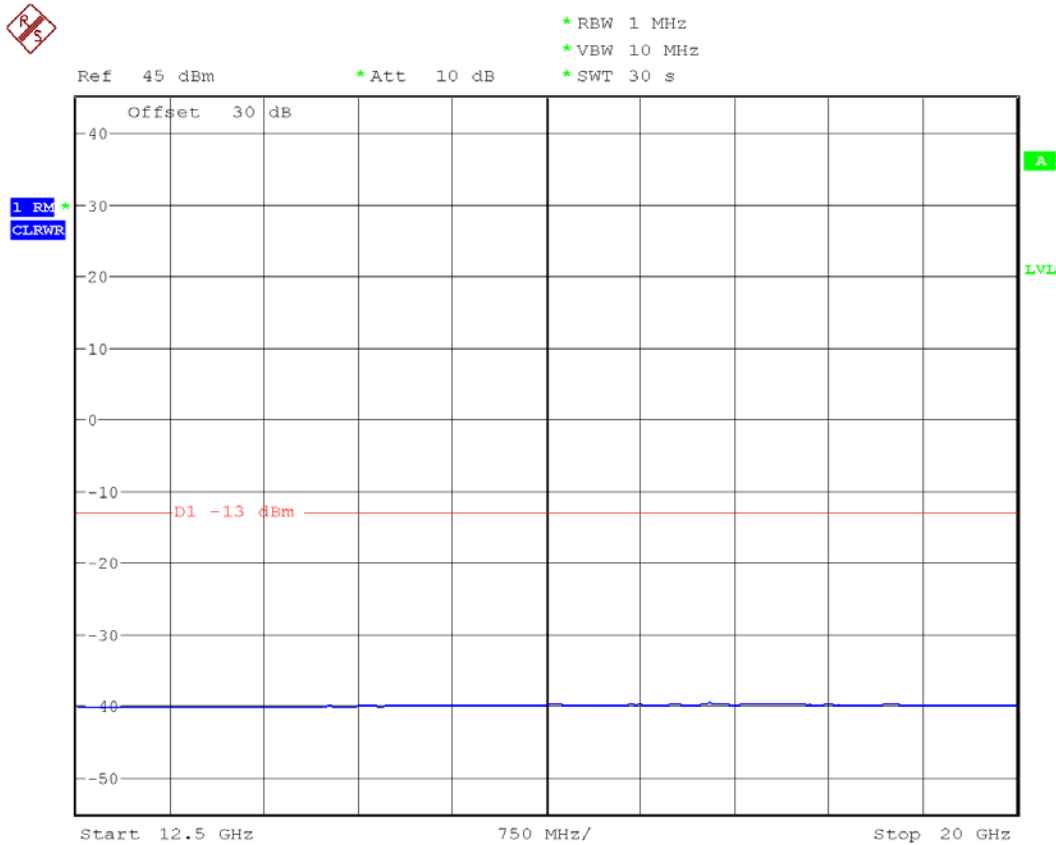
Channel 412/Channel 437
TM5



DIR
Date: 20.JAN.2006 17:32:57



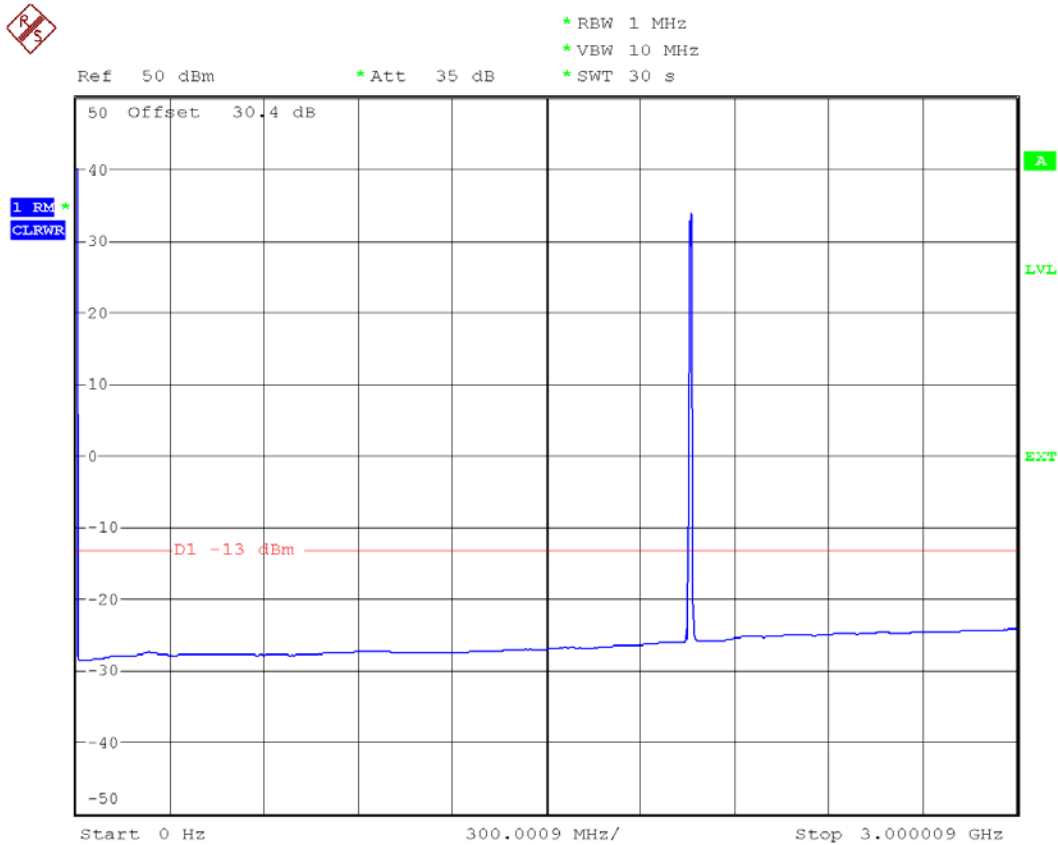
Channel 412/Channel 437
TM5



DIR
Date: 20.JAN.2006 17:35:52



Channel 537/Channel 562
TM5

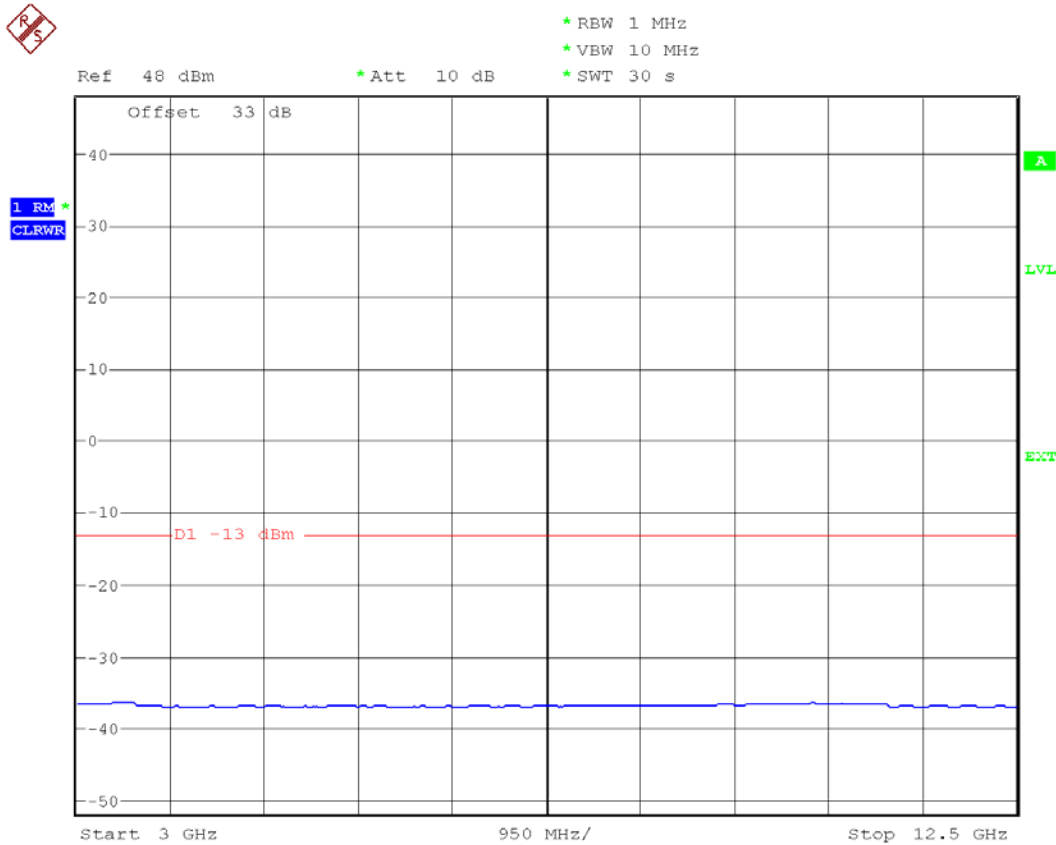


DIR

Date: 20.JAN.2006 19:54:24

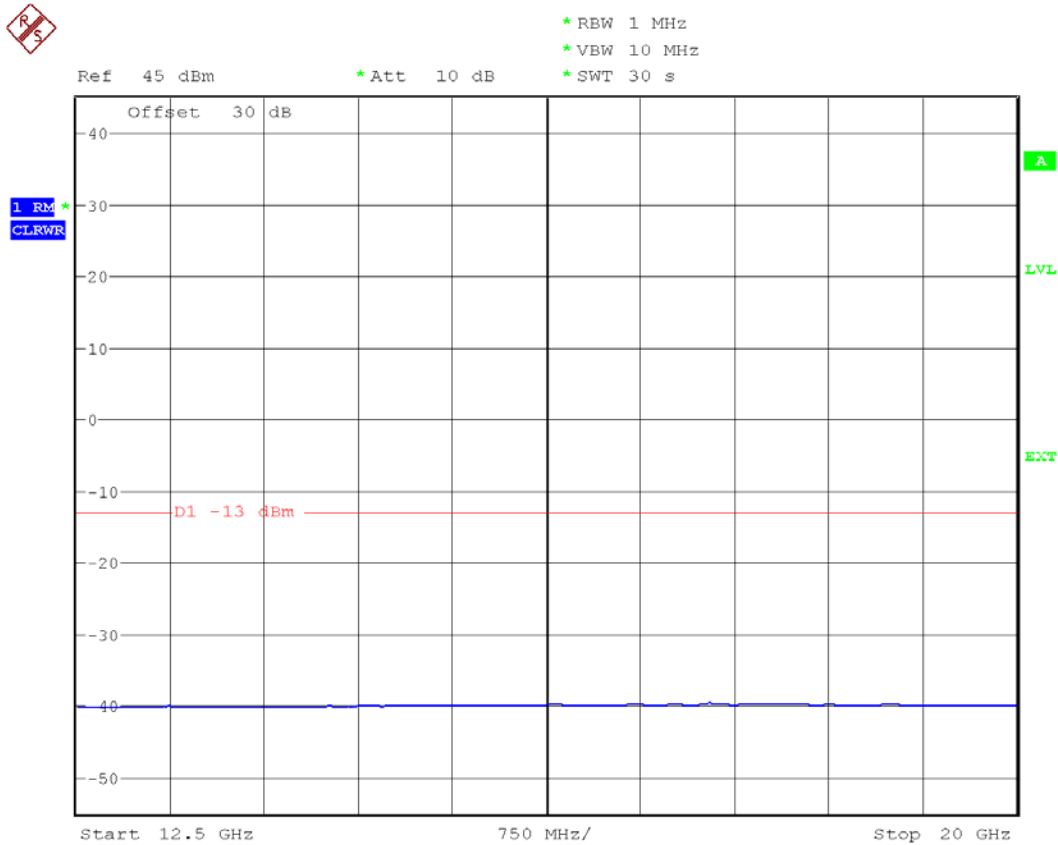


Channel 537/Channel 562
TM5



DIR
Date: 20.JAN.2006 19:55:39

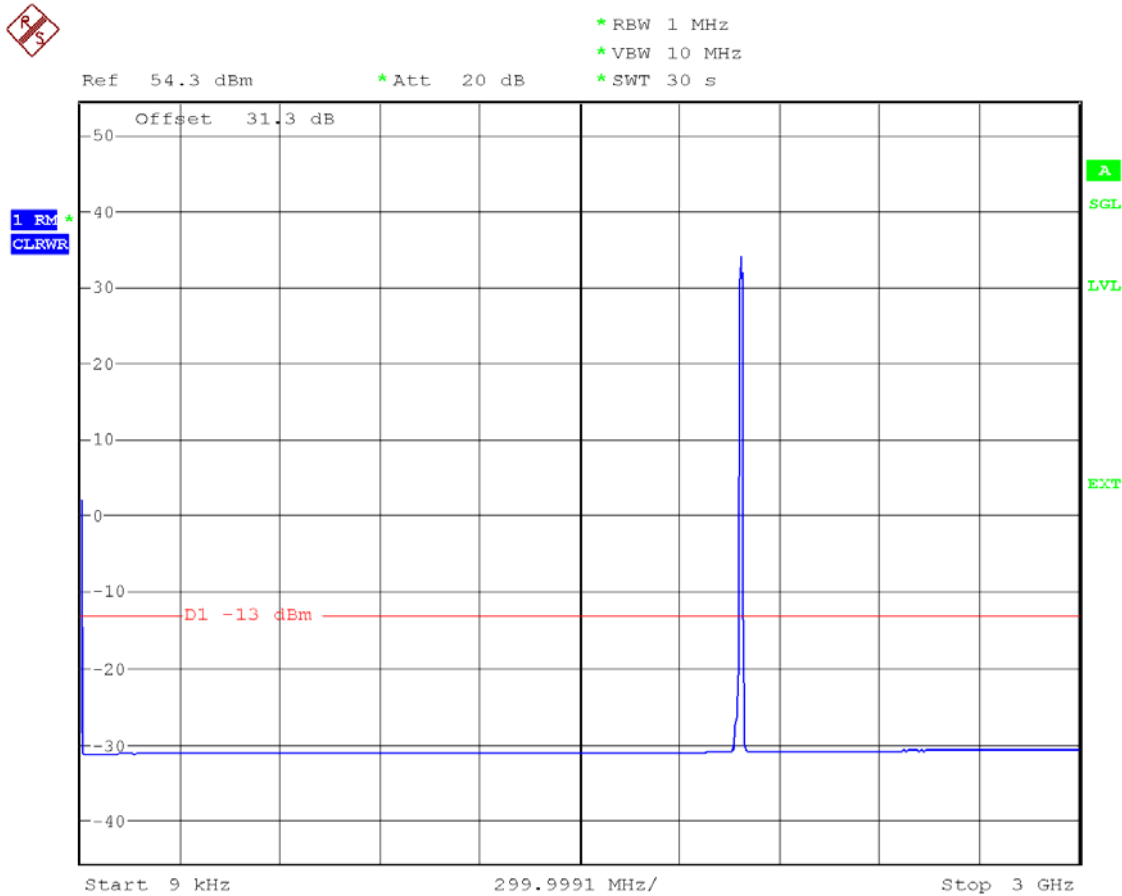
Channel 537/Channel 562
TM5



DIR
Date: 20.JAN.2006 19:56:34



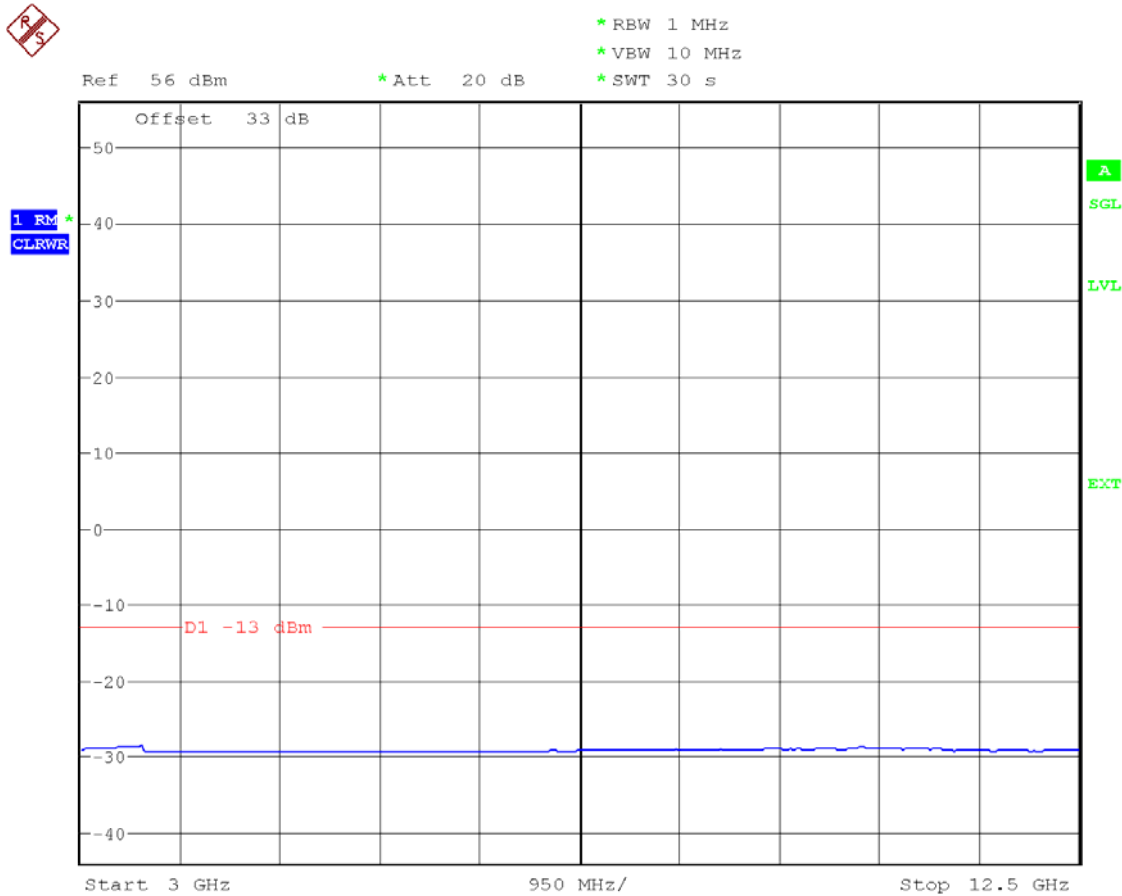
Channel 662/Channel 687
TM5



Date: 19.JAN.2006 11:44:55



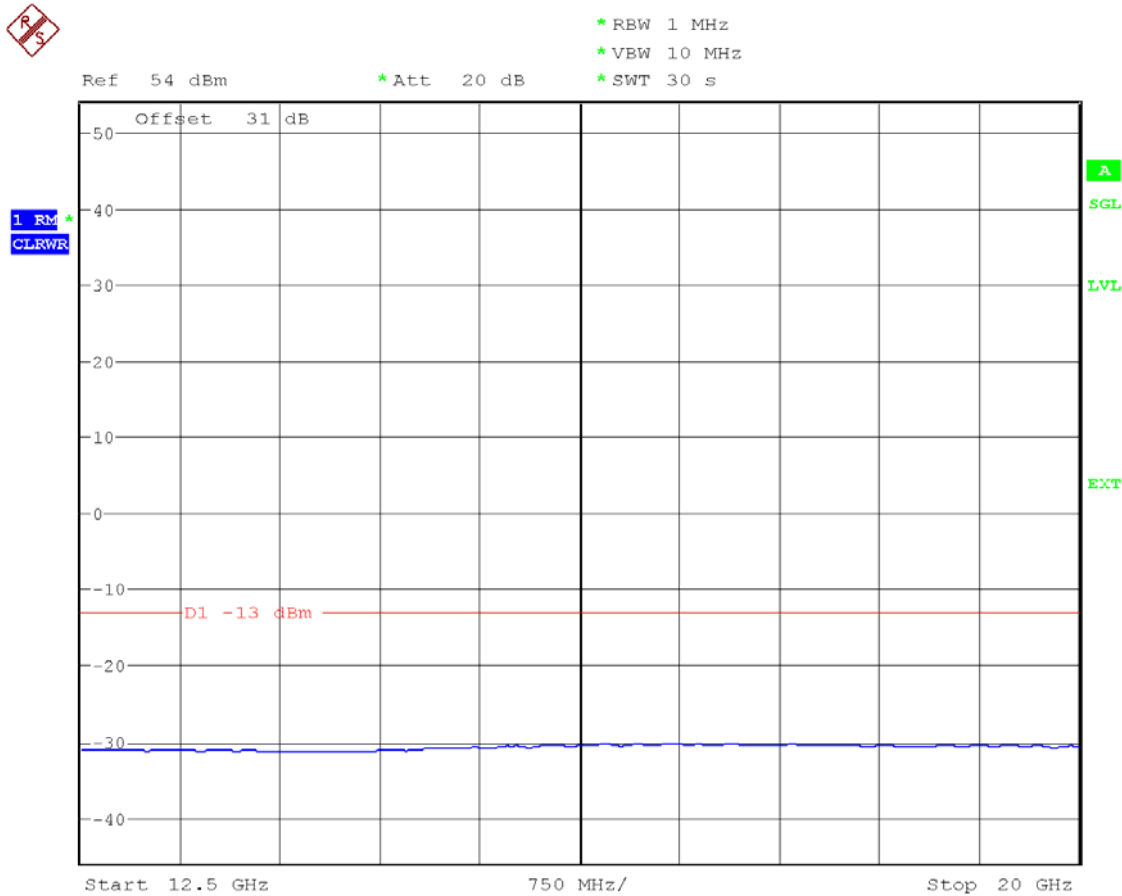
Channel 662/Channel 687
TM5



Date: 19.JAN.2006 11:46:33



Channel 662/Channel 687
TM5

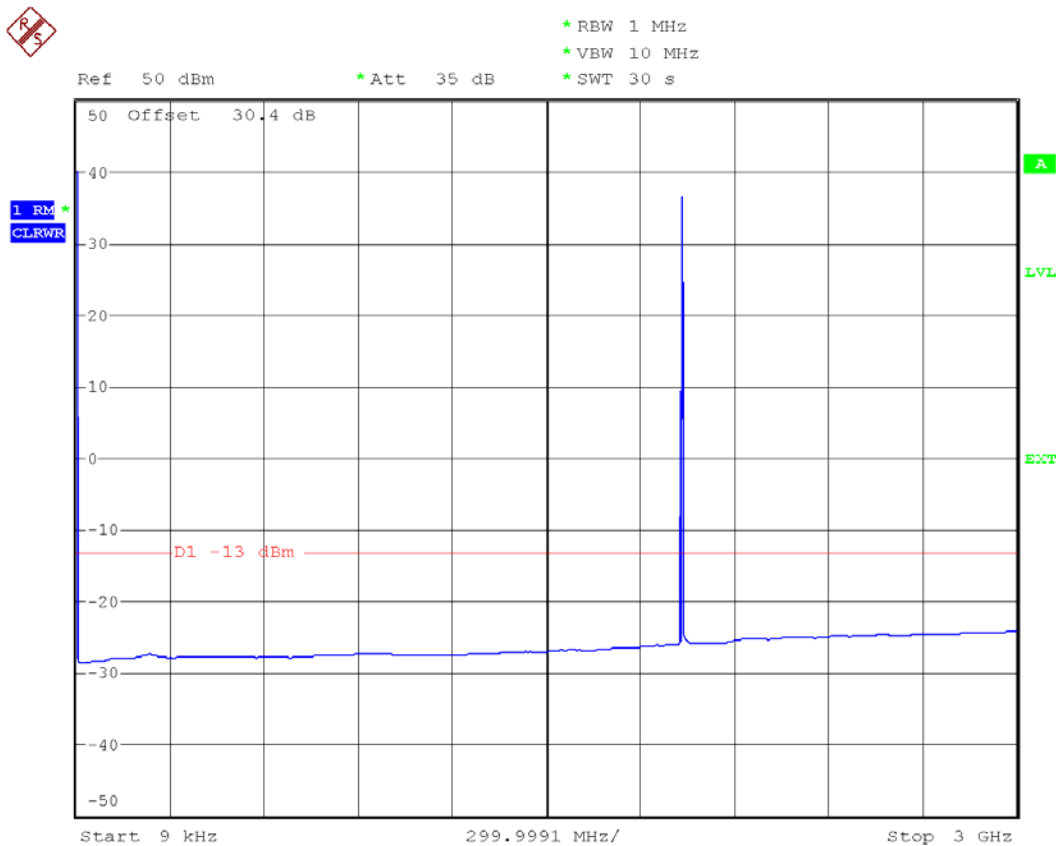


Date: 19.JAN.2006 11:50:19



Single Carrier
AC 220V supply

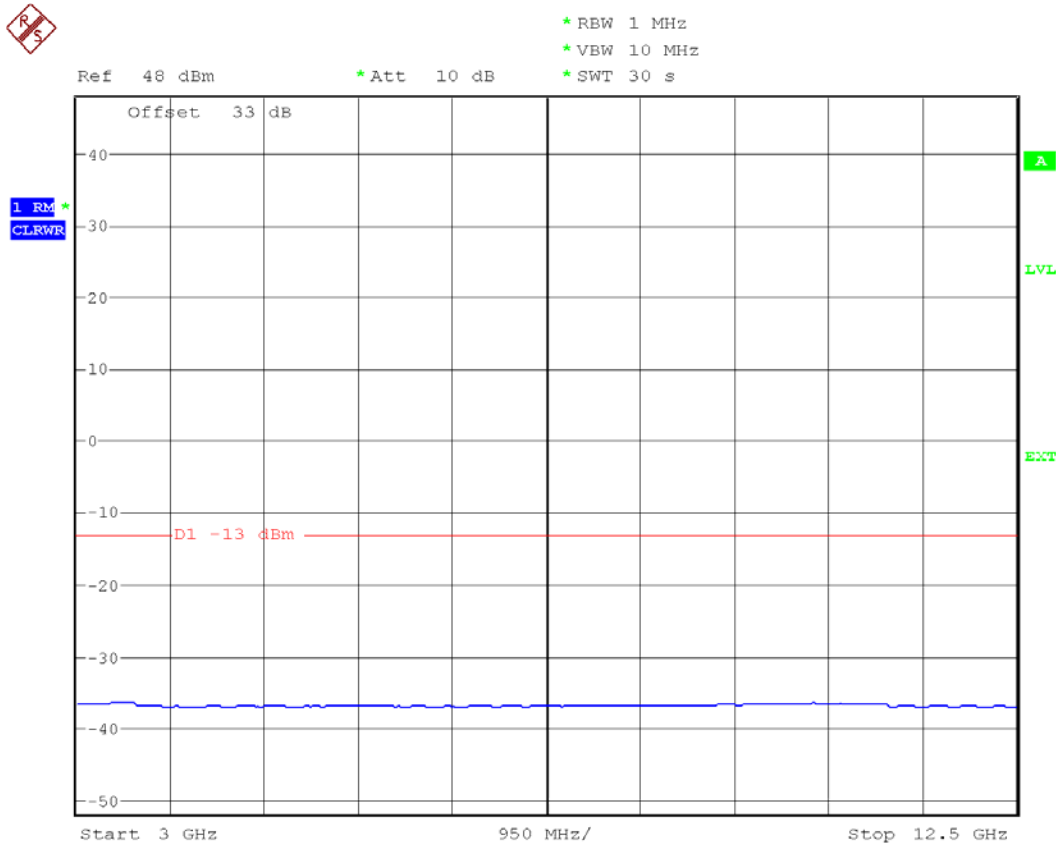
Channel 412
TM1



DIR
Date: 20.JAN.2006 20:29:21



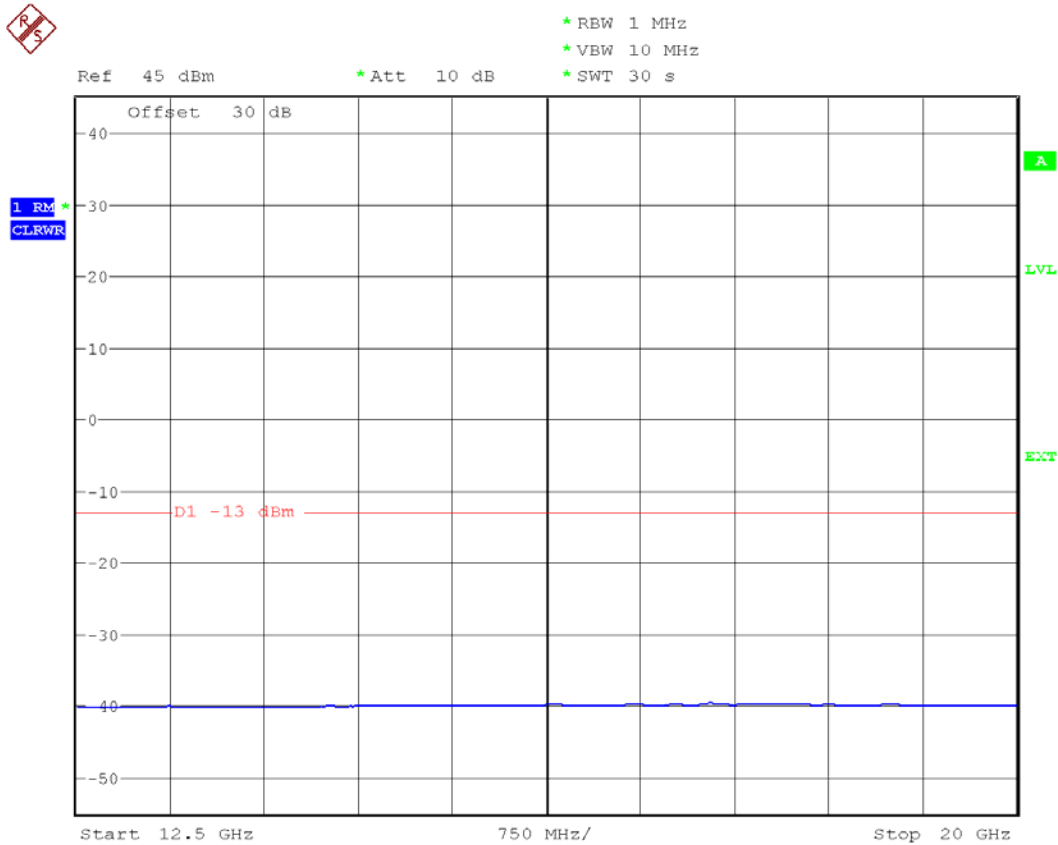
Channel 412
TM1



DIR
Date: 20.JAN.2006 20:30:31



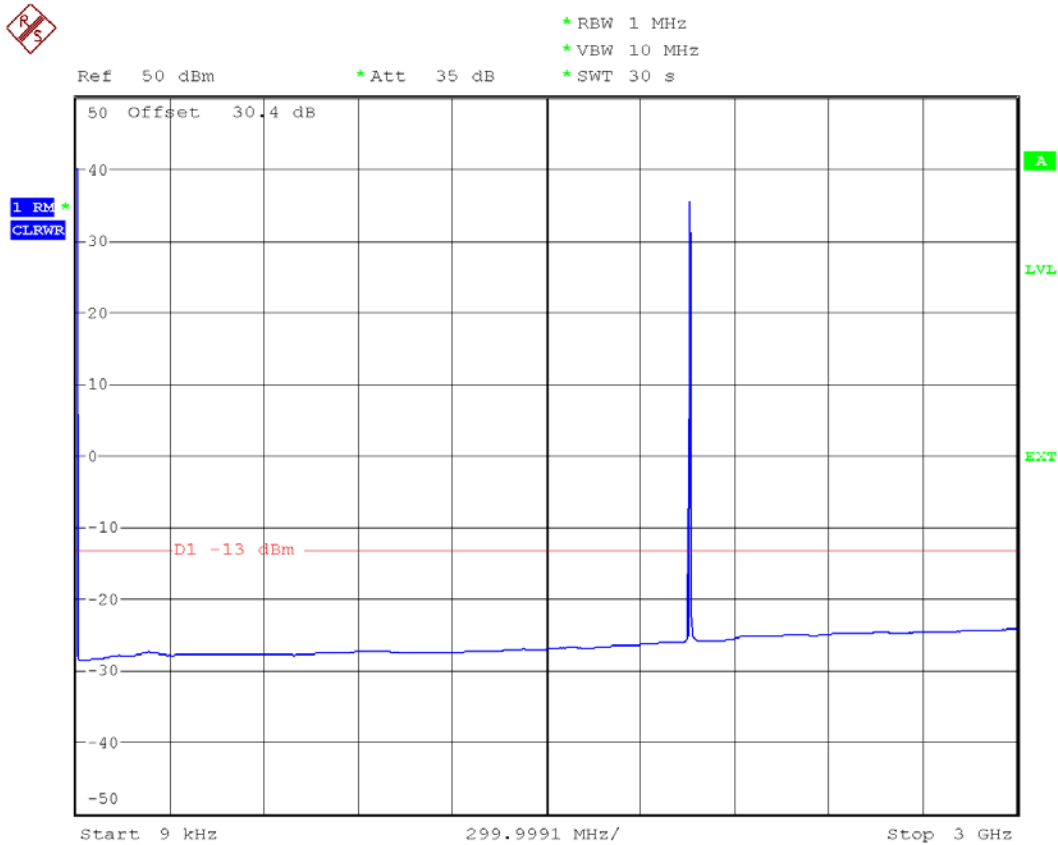
Channel 412
TM1



DIR
Date: 20.JAN.2006 20:32:01



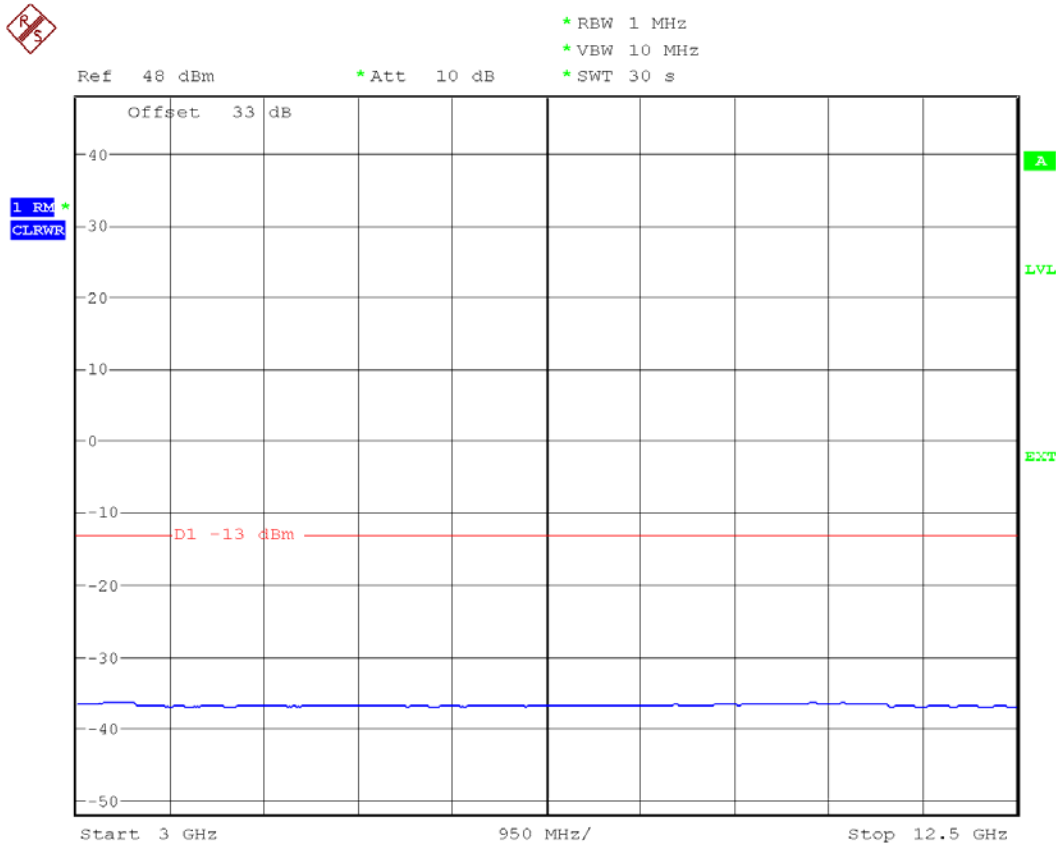
Channel 537
TM1



DIR
Date: 20.JAN.2006 18:16:09



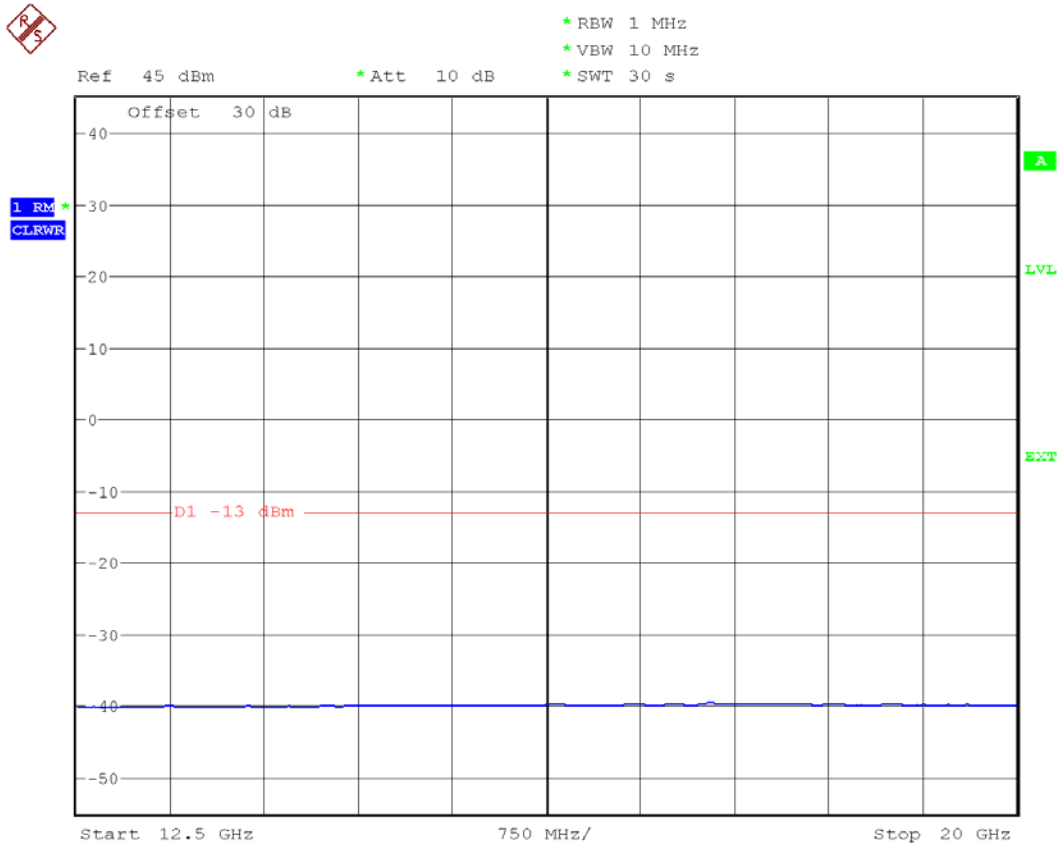
Channel 537
TM1



DIR
Date: 20.JAN.2006 18:17:28



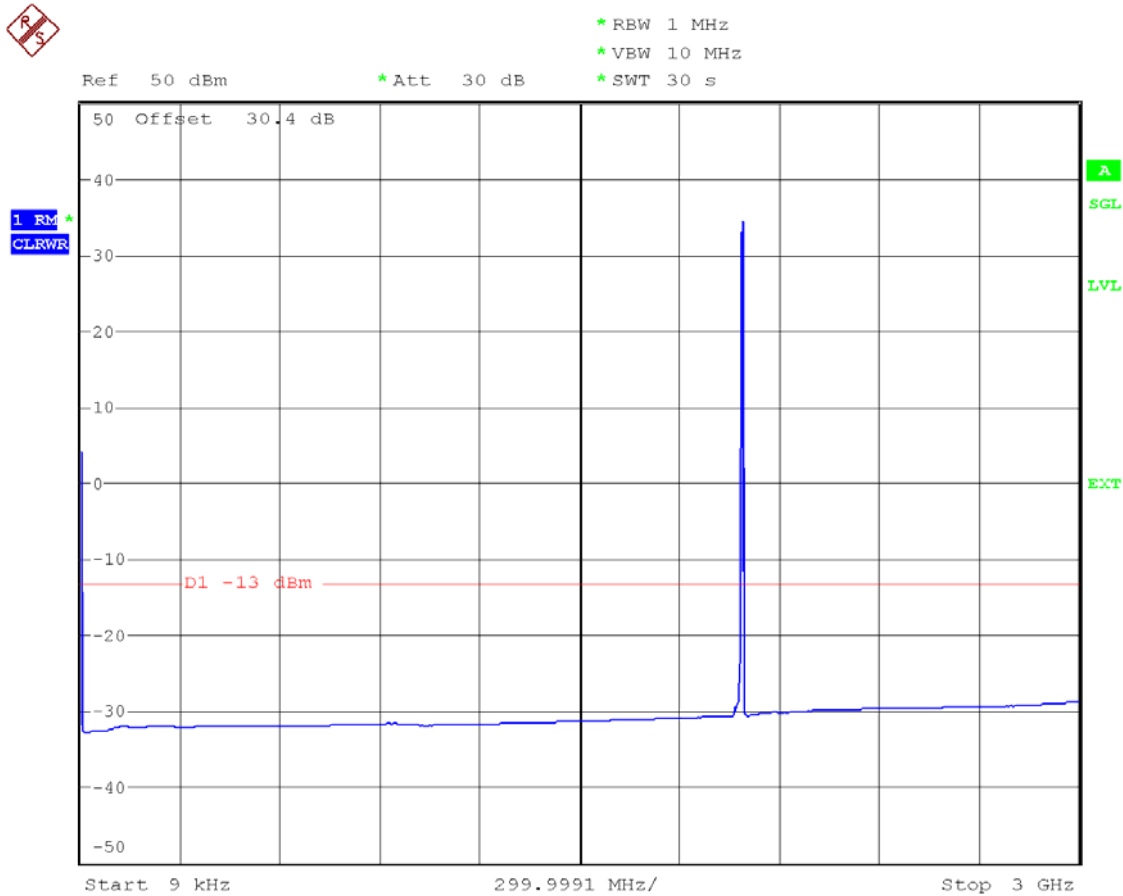
Channel 537
TM1



DIR
Date: 20.JAN.2006 18:18:30

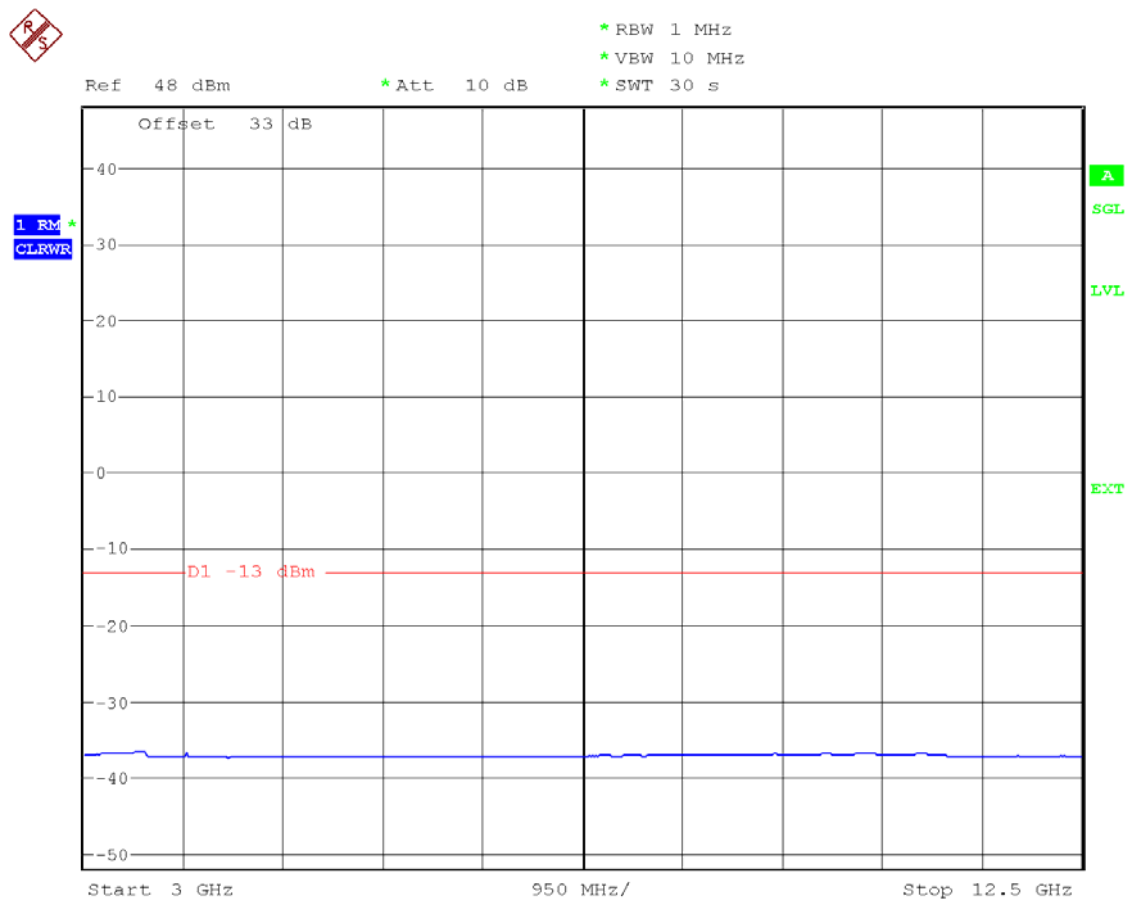


Channel 687
TM1



Date: 19.JAN.2006 12:17:14

Channel 687
TM1

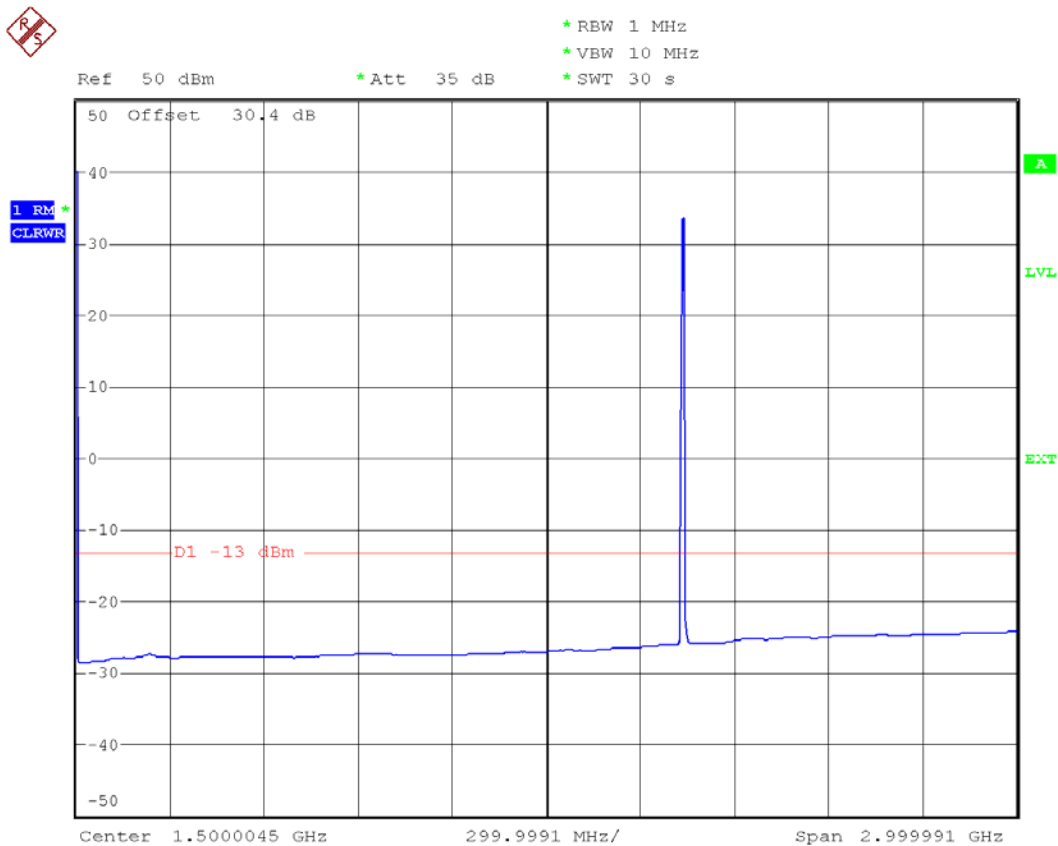


Date: 19.JAN.2006 12:20:40



Double Carriers
AC 220V supply

Channel 412/Channel 437
TM5

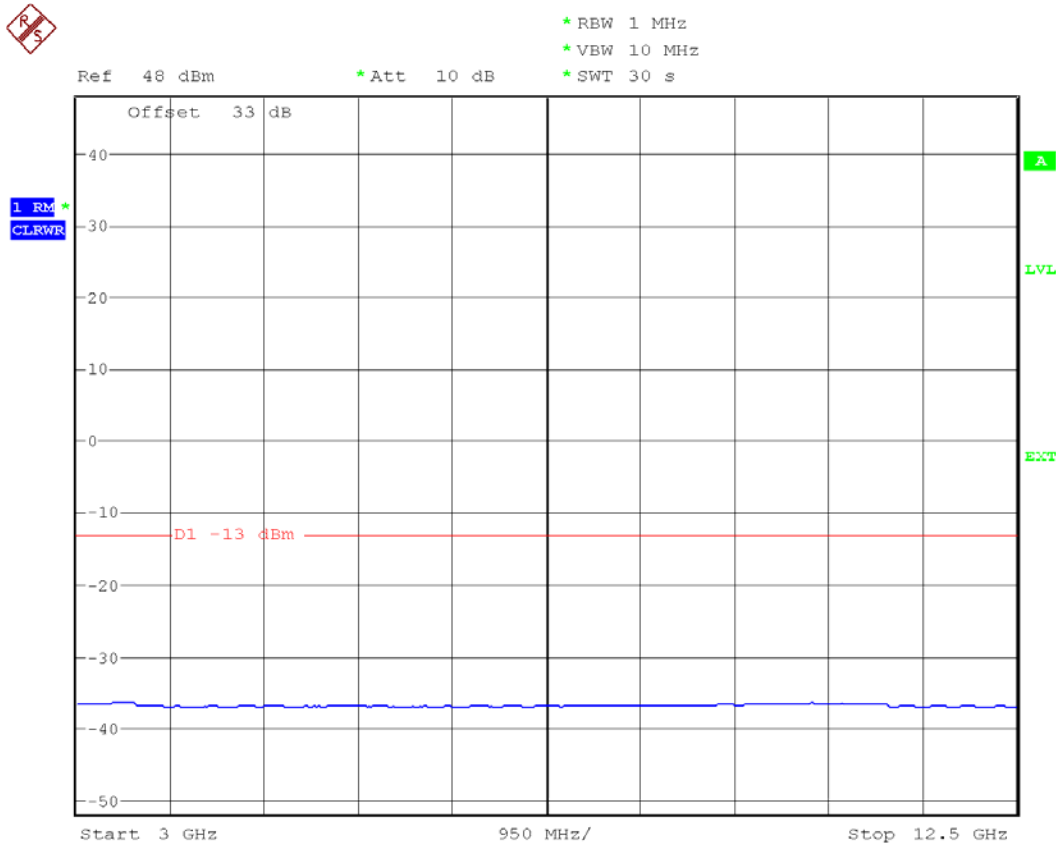


DIR

Date: 20.JAN.2006 20:36:40



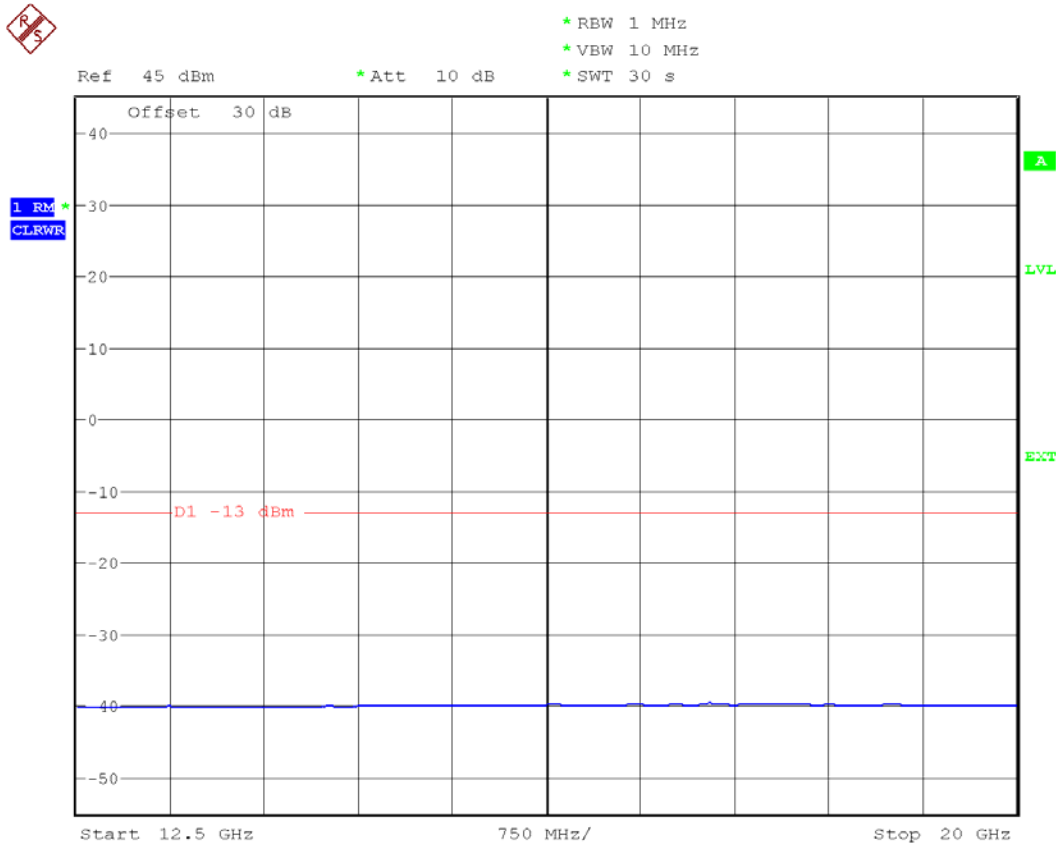
Channel 412/Channel 437
TM5



DIR
Date: 20.JAN.2006 20:37:54



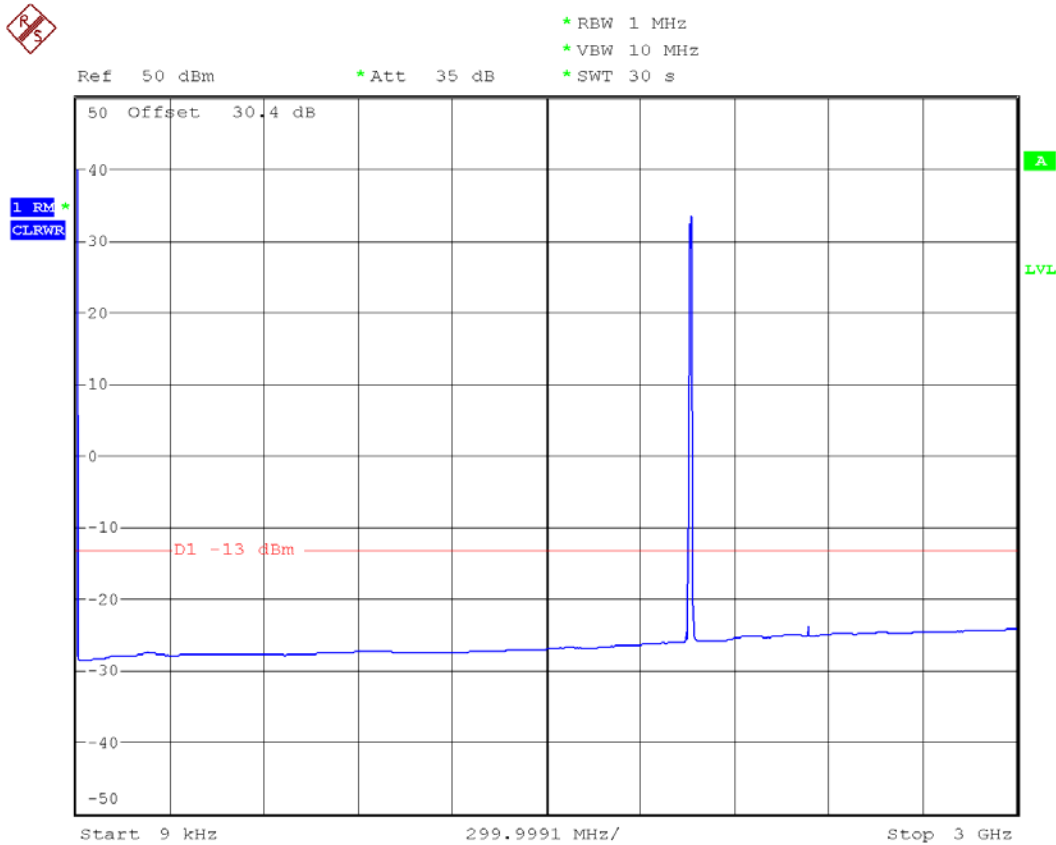
Channel 412/Channel 437
TM5



DIR
Date: 20.JAN.2006 20:38:53



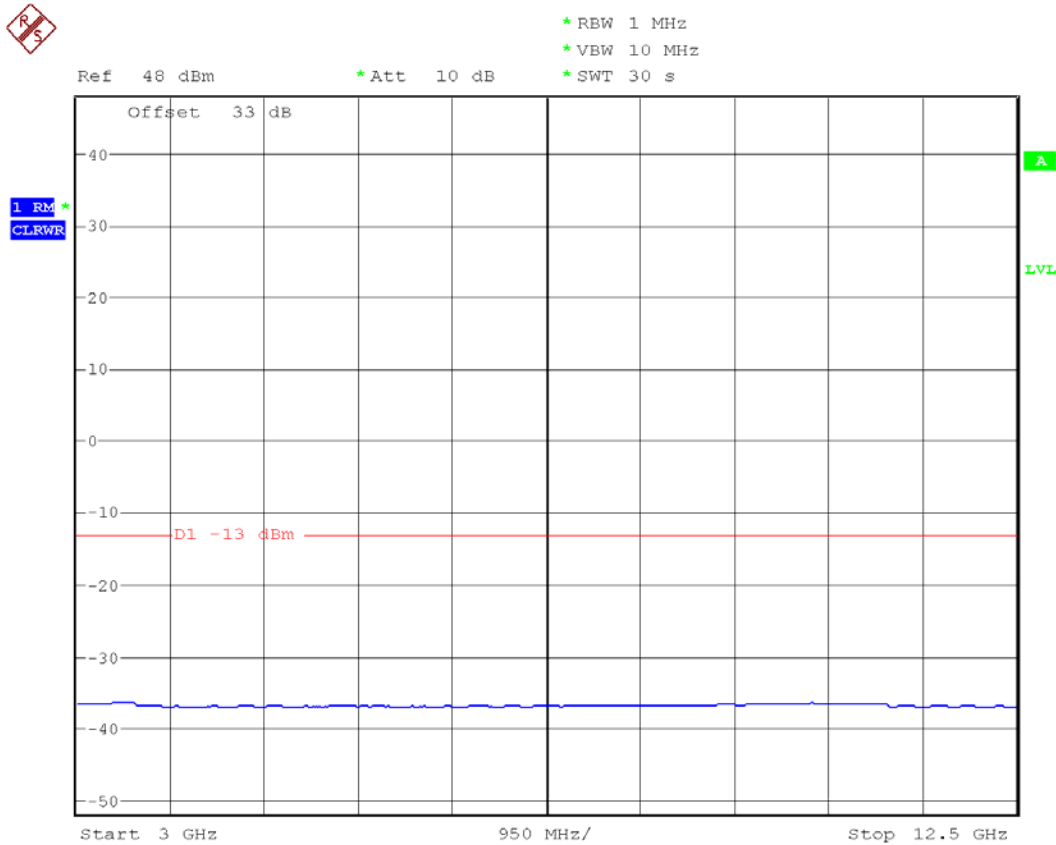
Channel 537/Channel 562
TM5



DIR
Date: 20.JAN.2006 17:56:16



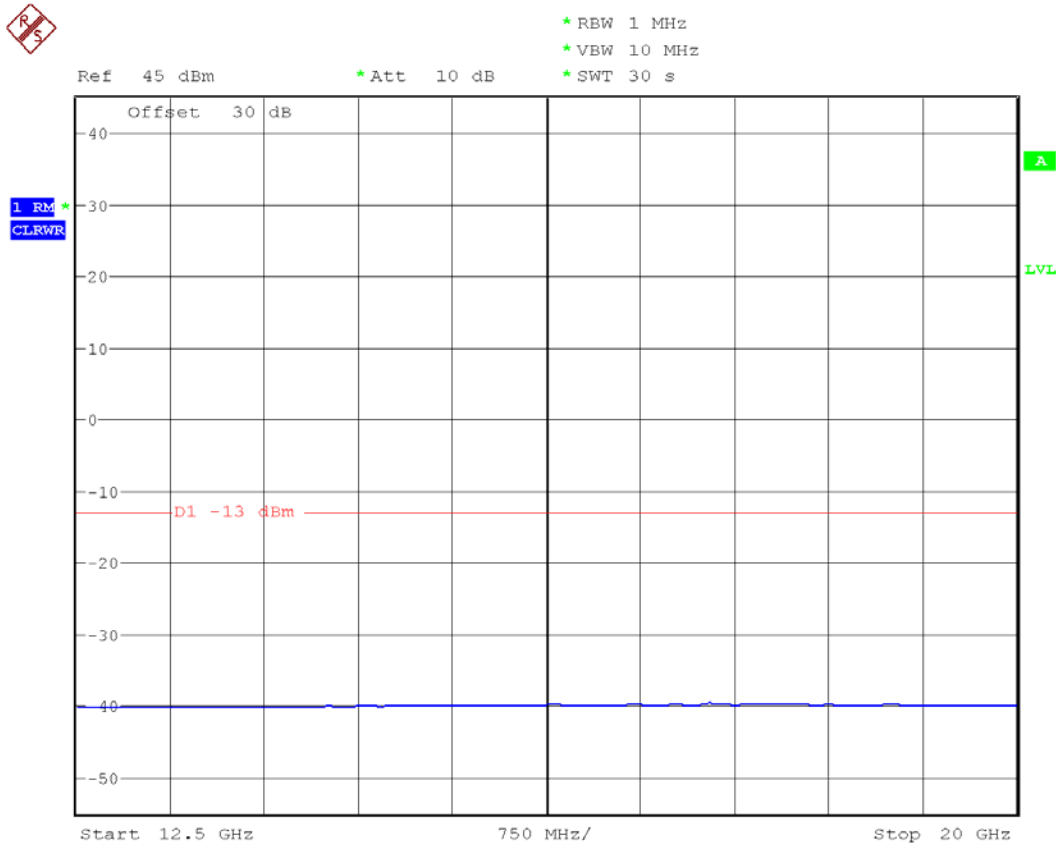
Channel 537/Channel 562
TM5



DIR
Date: 20.JAN.2006 17:57:28



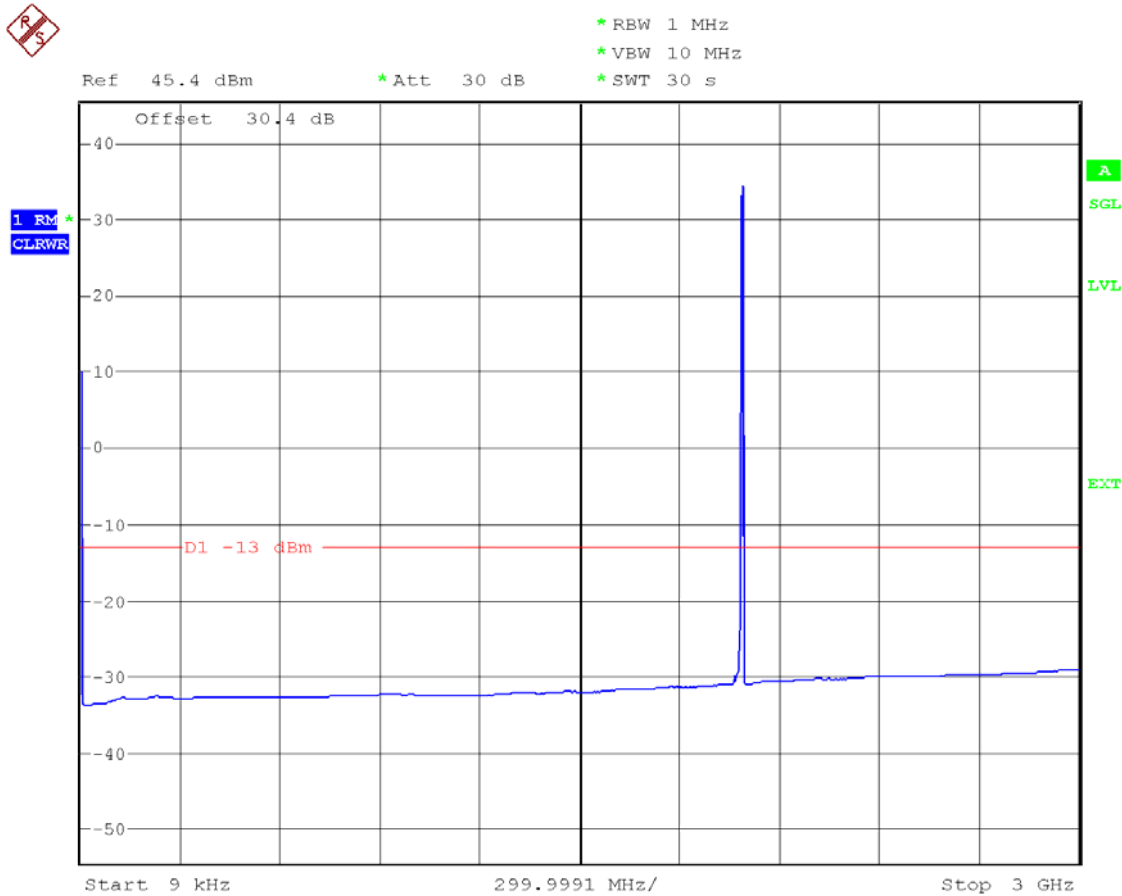
Channel 537/Channel 562
TM5



DIR
Date: 20.JAN.2006 18:00:35



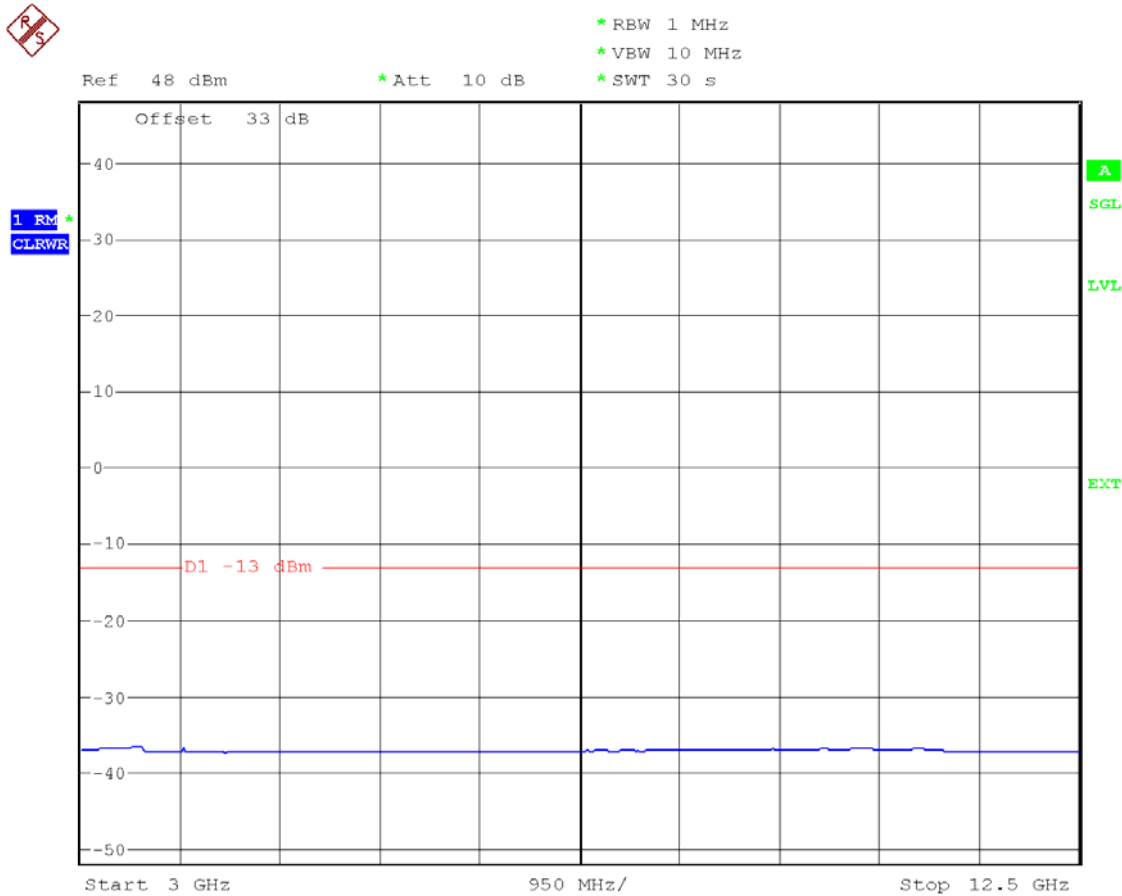
Channel 662/Channel 687
TM5



Date: 19.JAN.2006 12:28:51



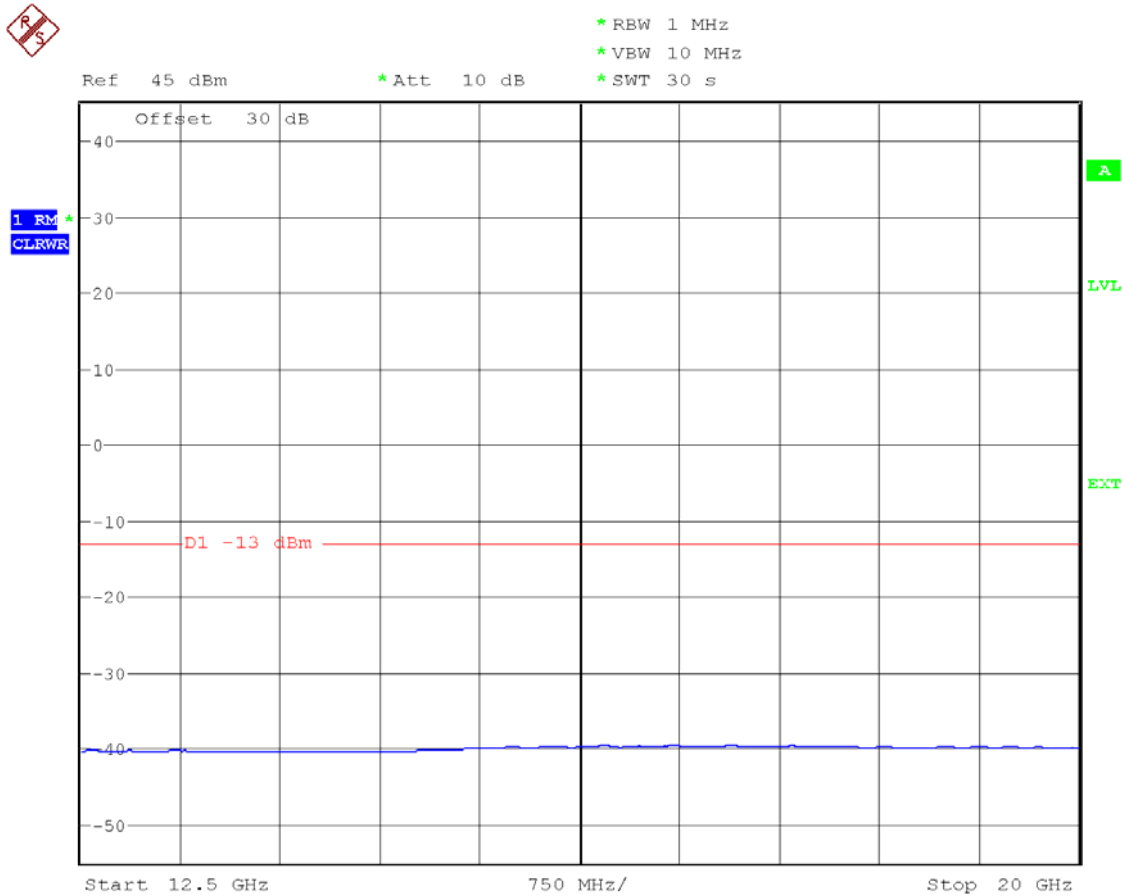
Channel 662/Channel 687
TM5



Date: 19.JAN.2006 12:31:08



Channel 662/Channel 687
TM5



Date: 19.JAN.2006 12:33:58

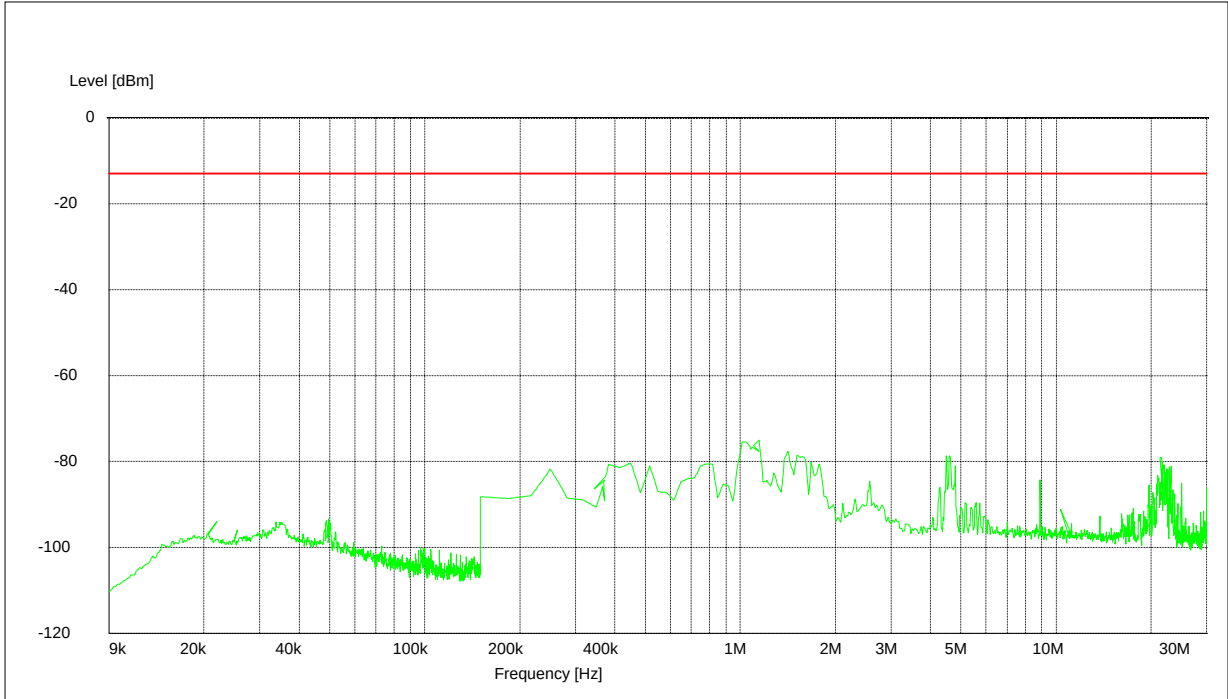
Appendix F

Field Strength of Spurious Radiation

According to CFR 47 (FCC) part 2.1053 & 24.238

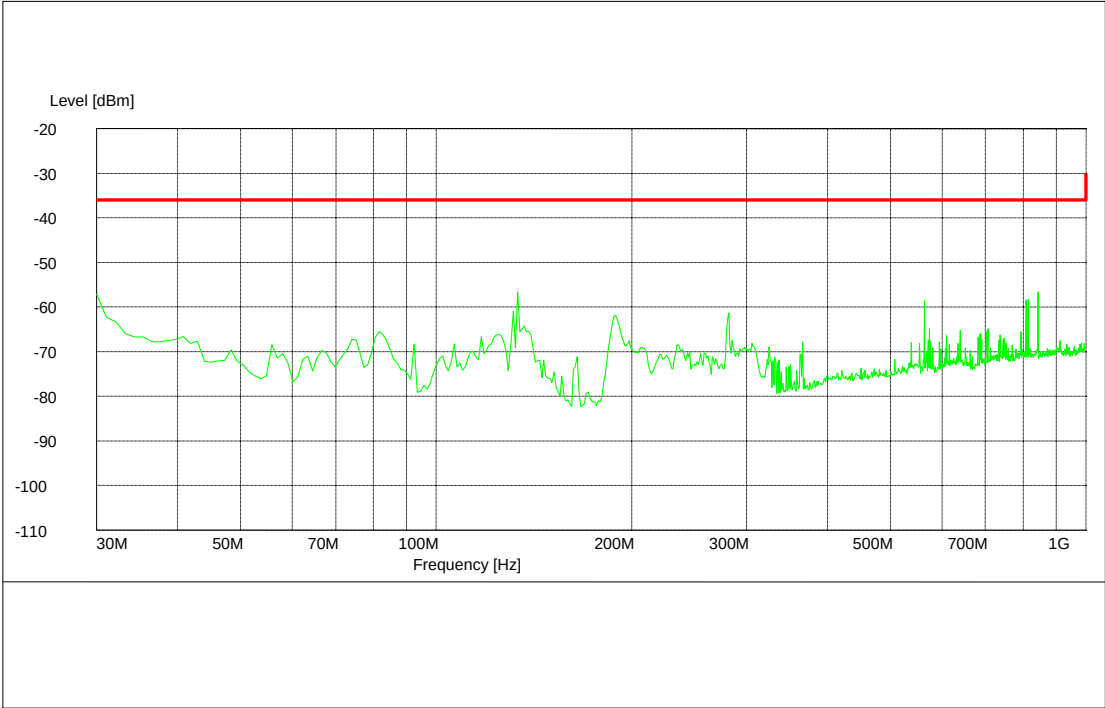


9kHz-30MHz



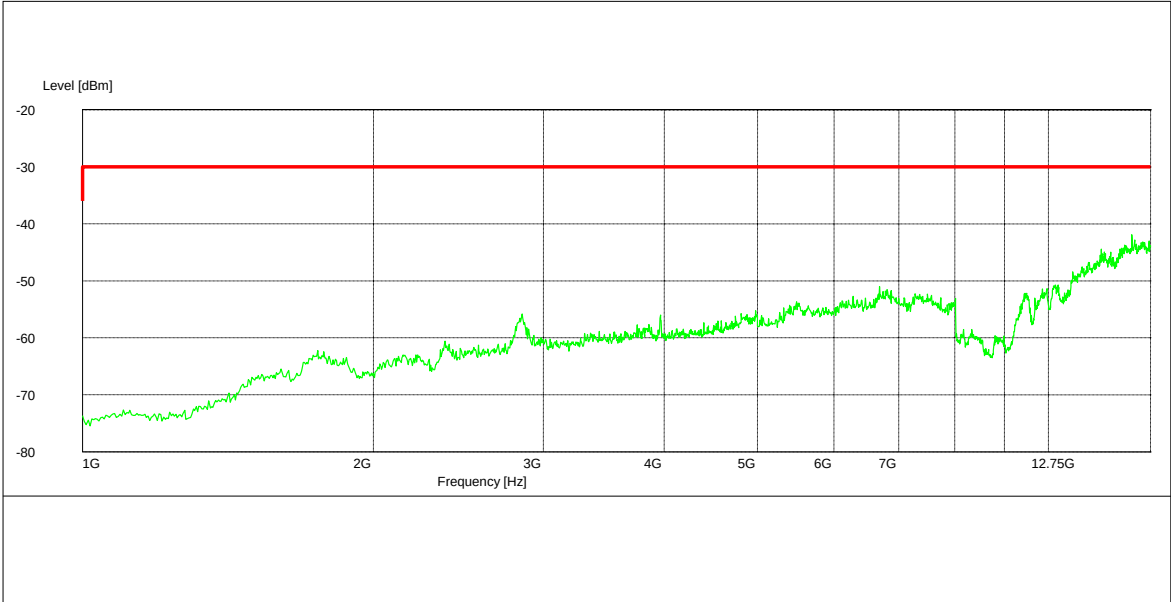


TRA Mode (30MHz-1GHz)



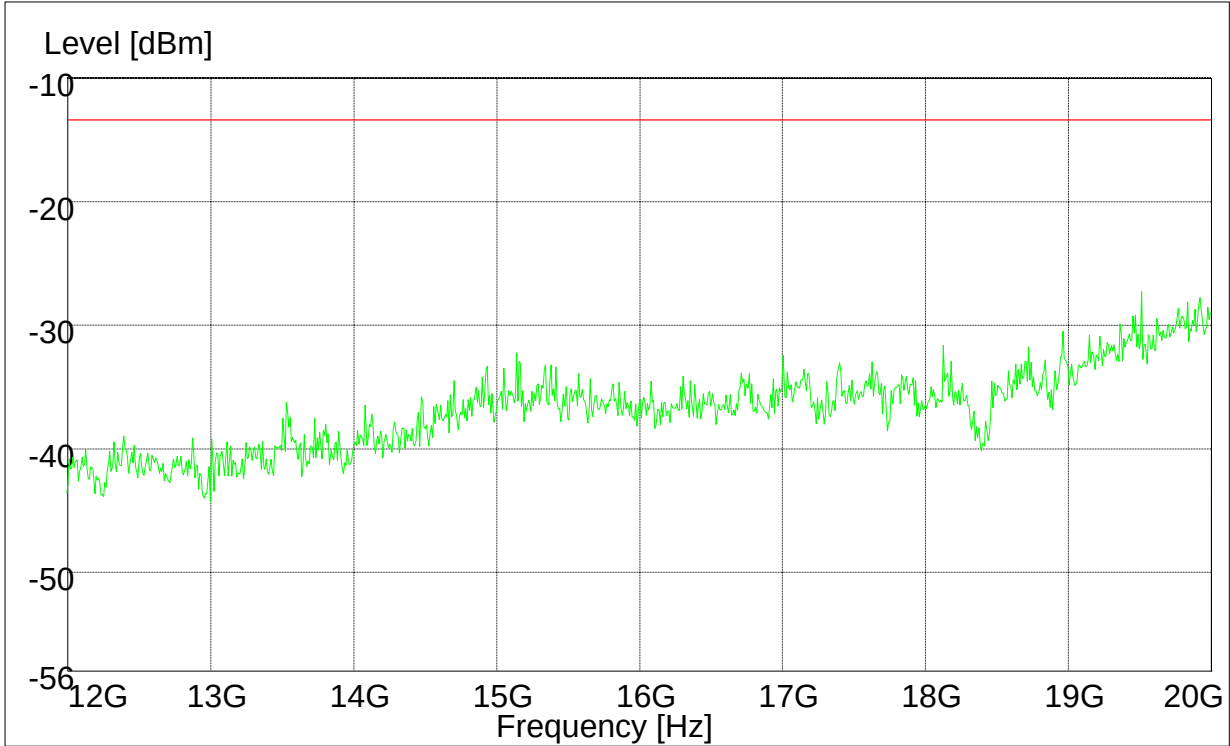


1GHz-12.75GHz





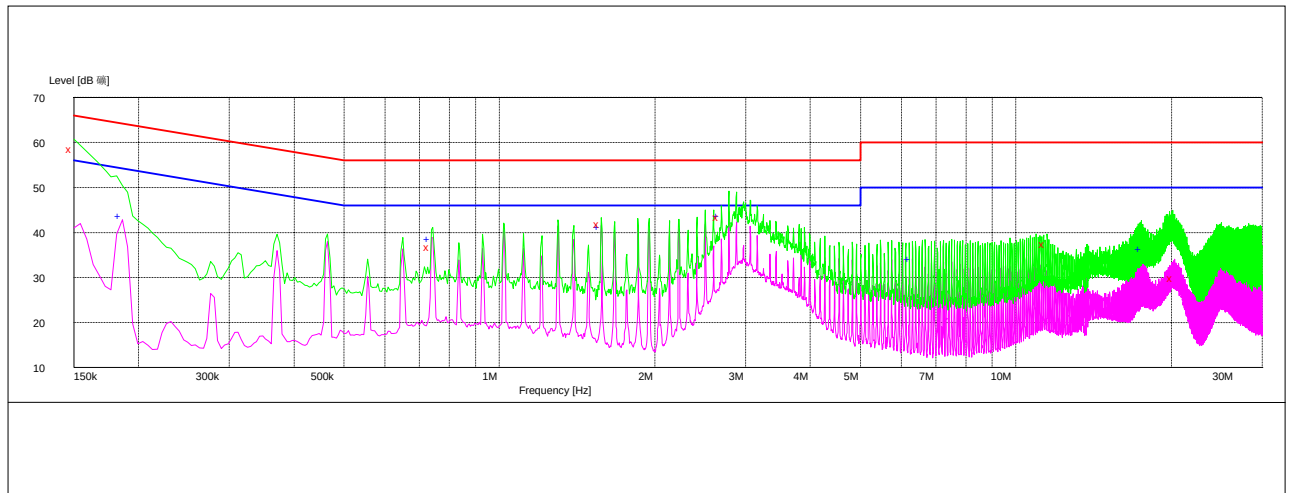
12.75GHz-20GHz



Appendix G

Conducted Emission at Power Port

According to CFR 47 (FCC) part 15.107



MEASUREMENT RESULT: " C06011406_fin QP"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.150000	58.60	1.8	66	7.4	L2	GND
0.739500	36.80	0.7	56	19.2	N	GND
1.576500	41.90	0.6	56	14.2	N	GND
2.782500	46.90	0.4	56	9.1	N	GND
11.494500	37.50	2.2	60	22.5	N	GND
20.296500	29.90	2.8	60	30.1	N	GND

MEASUREMENT RESULT: " C06011406_fin AV"

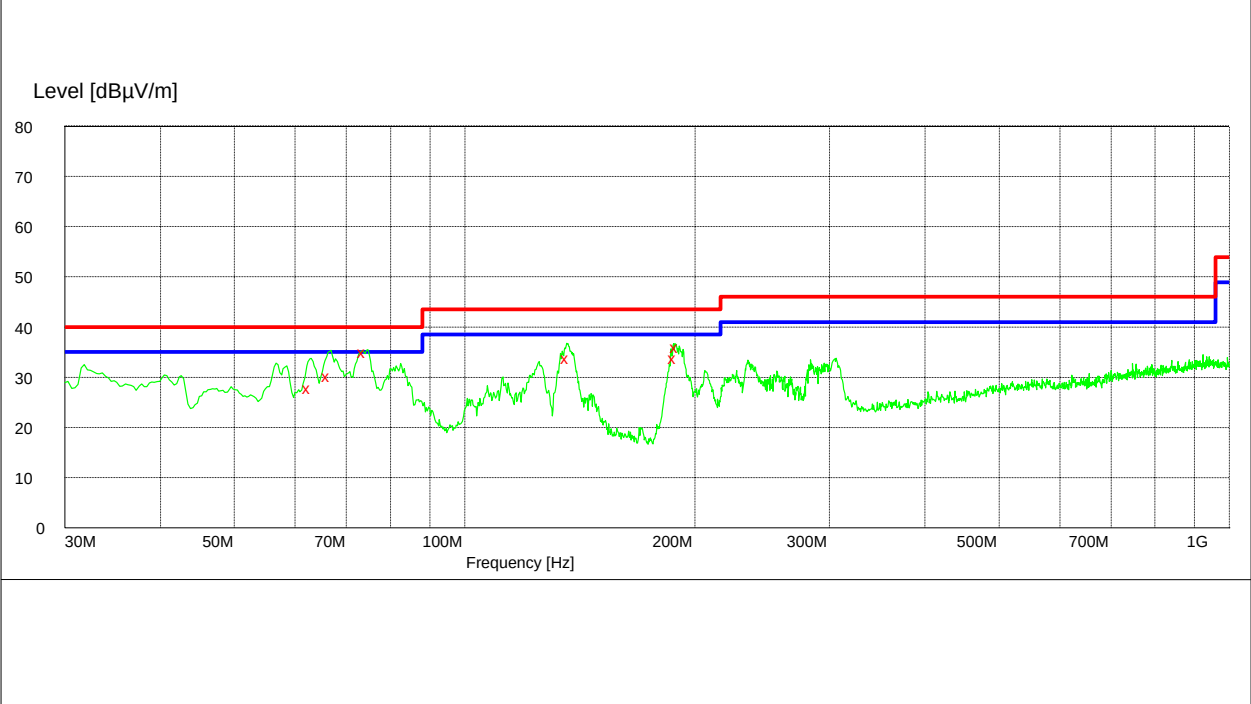
Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.186000	43.70	1.5	54	10.5	N	GND
0.739500	38.60	0.7	46	7.4	L2	GND
1.576500	41.30	0.6	46	4.7	N	GND
2.778000	43.40	0.4	46	2.6	N	GND
6.301500	34.20	0.6	50	15.8	N	GND
17.601000	36.50	2.6	50	13.5	N	GND

Appendix H

Radiated Emission of Enclosure in Idle Mode

According to CFR 47 (FCC) part 15.109

AC power supply:



MEASUREMENT RESULT: “R06011506_fin QP”, AC power supply

Frequency (MHz)	Level (dBμV/m)	Transd (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
62.700000	28.00	-16.0	40.0	12.0	200.0	90.00	VERTICAL
66.540000	30.40	-15.5	40.0	9.6	100.0	0.00	VERTICAL
74.040000	35.00	-14.2	40.0	5.0	100.0	90.00	VERTICAL
136.380000	34.00	-9.2	43.5	9.5	100.0	0.00	VERTICAL
188.760000	34.00	-11.4	43.5	9.5	100.0	0.00	VERTICAL
189.600000	36.00	-11.5	43.5	7.5	100.0	0.00	HORIZONTAL

DC power supply:



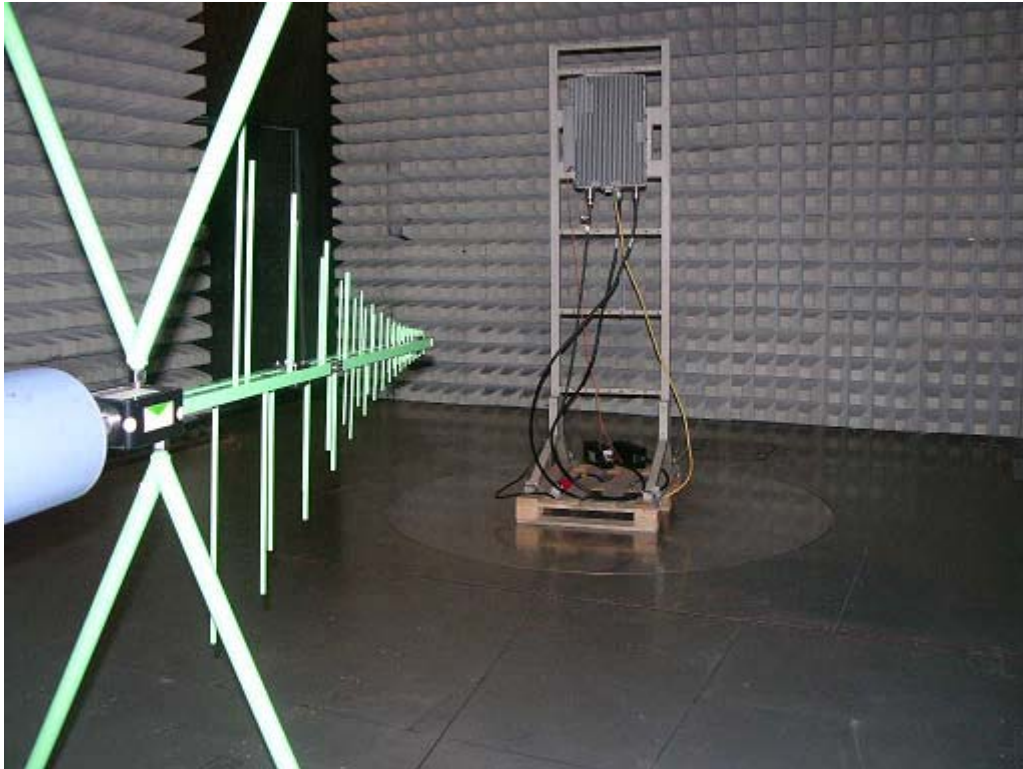
MEASUREMENT RESULT: “R06011501_fin QP”, DC power supply

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV /m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
55.860000	20.30	-15.8	40.0	19.7	100.0	90.00	VERTICAL
126.480000	24.00	-8.8	43.5	19.5	200.0	180.00	VERTICAL
165.300000	27.70	-10.6	43.5	15.8	100.0	270.00	VERTICAL
172.980000	32.00	-11.0	43.5	11.5	100.0	270.00	VERTICAL
174.060000	28.50	-11.0	43.5	15	100.0	270.00	VERTICAL
469.920000	33.20	-4.0	46.0	12.8	100.0	0.00	VERTICAL

Appendix I

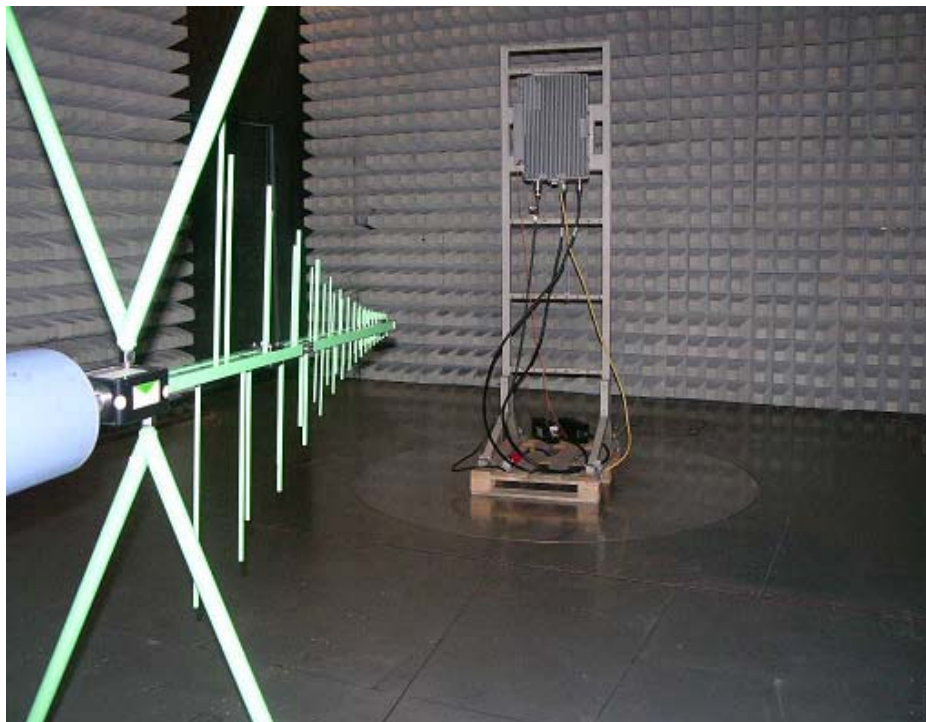
Photos of Test Setup

1 Radiated Emissions



Radiated Disturbance of AC mode (below 1GHz)

2 Radiated Spurious Emissions



Radiated Spurious Disturbance (below 1GHz)



Radiated Spurious Disturbance (above 1GHz)

3 Conducted Emissions



Conducted Emissions for AC Ports