



# Appendix A: Transmitter Output Power

## 1 Result Table

### 1.1 Channel Power (Total)

The output power of the EUT was measured at the antenna terminal. Since the EUT transmits on two antennas simultaneously in the same frequency with MIMO mode, using the Measure-and-sum approach, the output power at both antennas were tested, and the total output power were then summed.

The antenna is not the standard configuration of the EUT, so the antenna gain is assumed as 0 dBi.

#### 1.1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

#### 1.1.2 Downlink Test Results (without AGC activated)

##### 1.1.2.1 GSM system

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1G_TM1_B_ANTA& DL_1G_TM1_B_ANTB	43.37&43.14	42.33	Pass
DL_1G_TM1_M_ANTA& DL_1G_TM1_M_ANTB	43.61&43.44	45.04	Pass
DL_1G_TM1_T_ANTA& DL_1G_TM1_T_ANTB	43.20&43.06	41.12	Pass
DL_1G_TM2_B_ANTA& DL_1G_TM2_B_ANTB	43.26&43.00	41.14	Pass
DL_1G_TM2_M_ANTA& DL_1G_TM2_M_ANTB	43.58&43.40	44.68	Pass
DL_1G_TM2_T_ANTA& DL_1G_TM2_T_ANTB	43.40&42.93	41.51	Pass

##### 1.1.2.2 UMTS system

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1U_TM1_B_ANTA& DL_1U_TM1_B_ANTB	43.94&43.12	45.29	Pass
DL_1U_TM1_M_ANTA& DL_1U_TM1_M_ANTB	43.58&43.37	44.53	Pass
DL_1U_TM1_T_ANTA&	43.04&42.93	39.77	Pass

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1U_TM1_T_ANTB			

### 1.1.2.3 LTE system

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1L_1.4M_B_ANTA& DL_1L_1.4M_B_ANTB	42.97&42.90	39.31	Pass
DL_1L_1.4M_M_ANTA& DL_1L_1.4M_M_ANTB	43.40&43.23	42.92	Pass
DL_1L_1.4M_T_ANTA& DL_1L_1.4M_T_ANTB	42.82&42.75	37.98	Pass
DL_1L_20M_B_ANTA& DL_1L_20M_B_ANTB	43.61&43.61	45.92	Pass
DL_1L_20M_M_ANTA& DL_1L_20M_M_ANTB	43.65&43.57	45.92	Pass
DL_1L_20M_T_ANTA& DL_1L_20M_T_ANTB	43.72&43.55	46.20	Pass

### 1.1.3 Downlink Test Results (input signal +10dB with AGC activated)

#### 1.1.3.1 GSM system

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1G_TM1_B_ANTA& DL_1G_TM1_B_ANTB	43.42&43.23	43.01	Pass
DL_1G_TM1_M_ANTA& DL_1G_TM1_M_ANTB	43.71&43.45	45.60	Pass
DL_1G_TM1_T_ANTA& DL_1G_TM1_T_ANTB	43.21&43.11	41.40	Pass
DL_1G_TM2_B_ANTA& DL_1G_TM2_B_ANTB	43.26&43.03	41.29	Pass
DL_1G_TM2_M_ANTA& DL_1G_TM2_M_ANTB	43.65&43.41	45.10	Pass
DL_1G_TM2_T_ANTA& DL_1G_TM2_T_ANTB	43.44&43.03	42.17	Pass

#### 1.1.3.2 UMTS system

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1U_TM1_B_ANTA& DL_1U_TM1_B_ANTB	44.03&43.16	46.02	Pass
DL_1U_TM1_M_ANTA&	43.64&43.37	44.85	Pass



EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1U_TM1_M_ANTB			
DL_1U_TM1_T_ANTA& DL_1U_TM1_T_ANTB	43.14&42.94	40.27	Pass

### 1.1.3.3 LTE system

EUT Conf.	Channel Power [dBm]	total[W]	Verdict
DL_1L_1.4M_B_ANTA& DL_1L_1.4M_B_ANTB	42.99&42.96	39.67	Pass
DL_1L_1.4M_M_ANTA& DL_1L_1.4M_M_ANTB	43.49&43.32	43.80	Pass
DL_1L_1.4M_T_ANTA& DL_1L_1.4M_T_ANTB	42.9&42.8	38.55	Pass
DL_1L_20M_B_ANTA& DL_1L_20M_B_ANTB	43.68&43.62	46.35	Pass
DL_1L_20M_M_ANTA& DL_1L_20M_M_ANTB	43.71&43.62	46.52	Pass
DL_1L_20M_T_ANTA& DL_1L_20M_T_ANTB	43.8&43.59	46.85	Pass

## 1.2 Peak-to-Average Ratio

### 1.2.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

### 1.2.2 Downlink Test Results

#### 1.2.2.1.1 GSM system

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
DL_1G_TM1_M_ANTA	2.08	Pass
DL_1G_TM1_M_ANTB	2.06	Pass
DL_1G_TM2_M_ANTA	4.58	Pass
DL_1G_TM2_M_ANTB	4.61	Pass

#### 1.2.2.1.2 UMTS system

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
DL_1U_TM1_M_ANTA	10.53	Pass
DL_1U_TM1_M_ANTB	9.95	Pass

#### 1.2.2.1.3 LTE system

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
DL_1L_1.4M_M_ANTA	9.77	Pass
DL_1L_1.4M_M_ANTB	9.61	Pass
DL_1L_20M_M_ANTA	10.78	Pass
DL_1L_20M_M_ANTB	10.62	Pass



## 2 Test Plot

NOTE: Only the test plots for the measurements of Peak-to-Average Ratio are supplied.

### 2.1 Peak-to-Average Ratio

#### 2.1.1 Uplink Test Plots

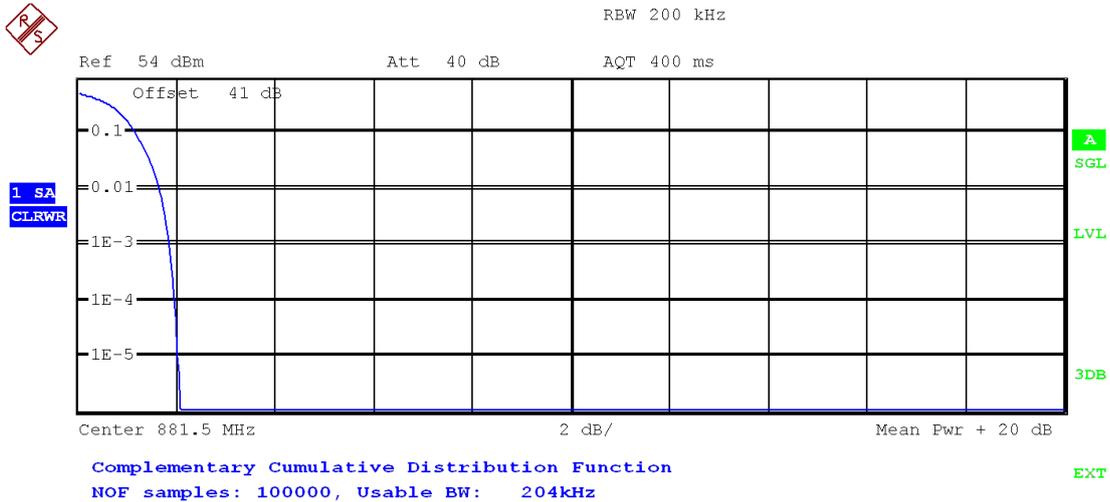
Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

## 2.1.2 Downlink Test Plots

### 2.1.2.1 GSM system

#### 2.1.2.1.1 DL\_1G\_TM1\_M\_ANTA

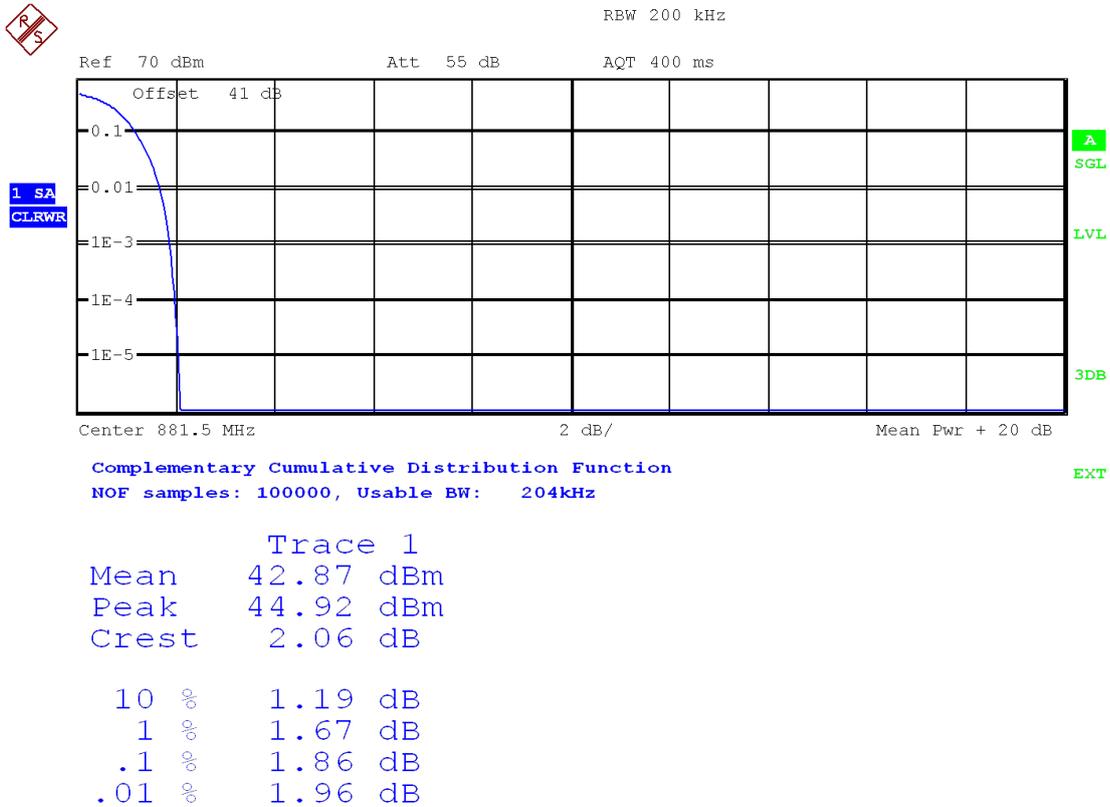


Trace 1

Mean	43.00 dBm
Peak	45.08 dBm
Crest	2.08 dB
10%	1.15 dB
1%	1.67 dB
.1%	1.86 dB
.01%	1.96 dB

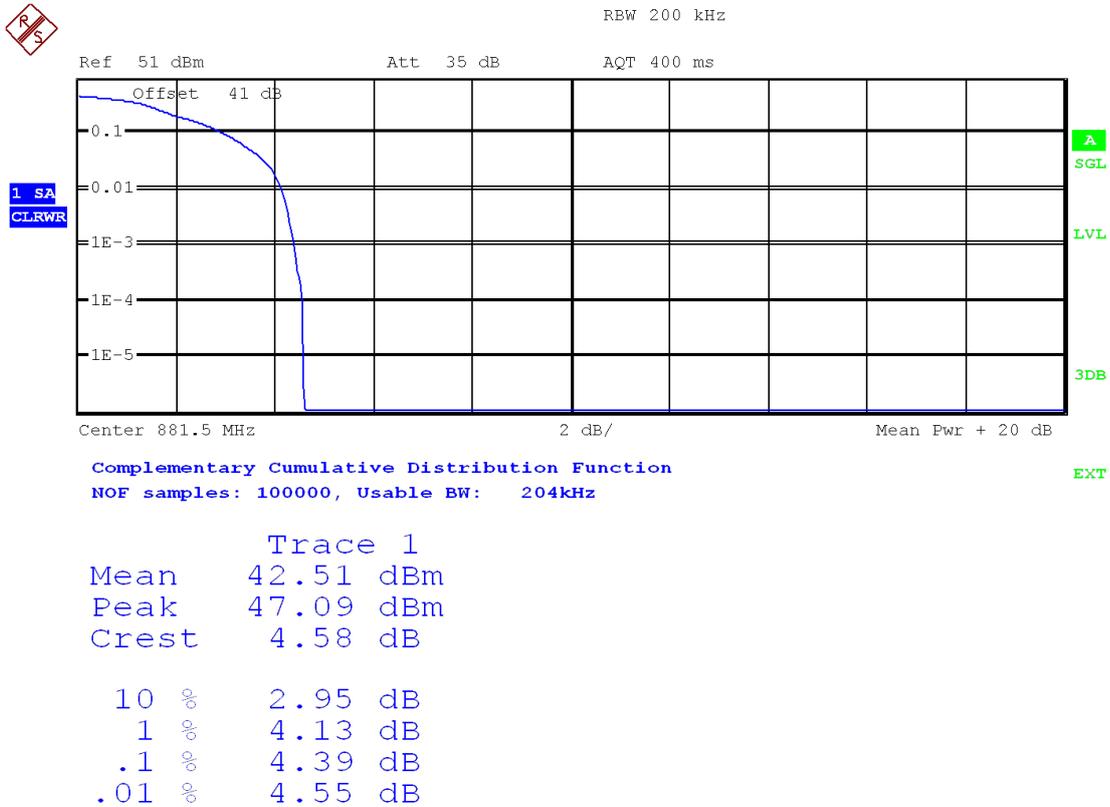
Date: 19.NOV.2013 11:15:17

### 2.1.2.1.2 DL\_1G\_TM1\_M\_ANTB



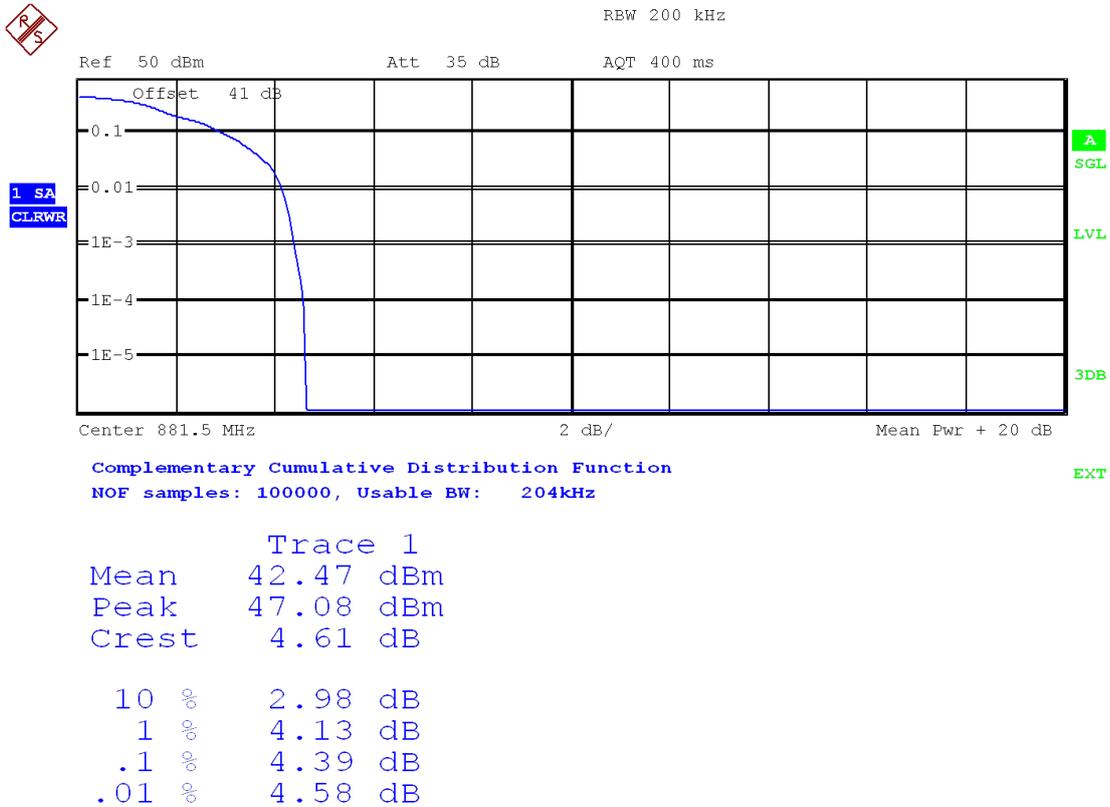
Date: 19.NOV.2013 10:05:18

### 2.1.2.1.3 DL\_1G\_TM2\_M\_ANTA



Date: 19.NOV.2013 11:17:59

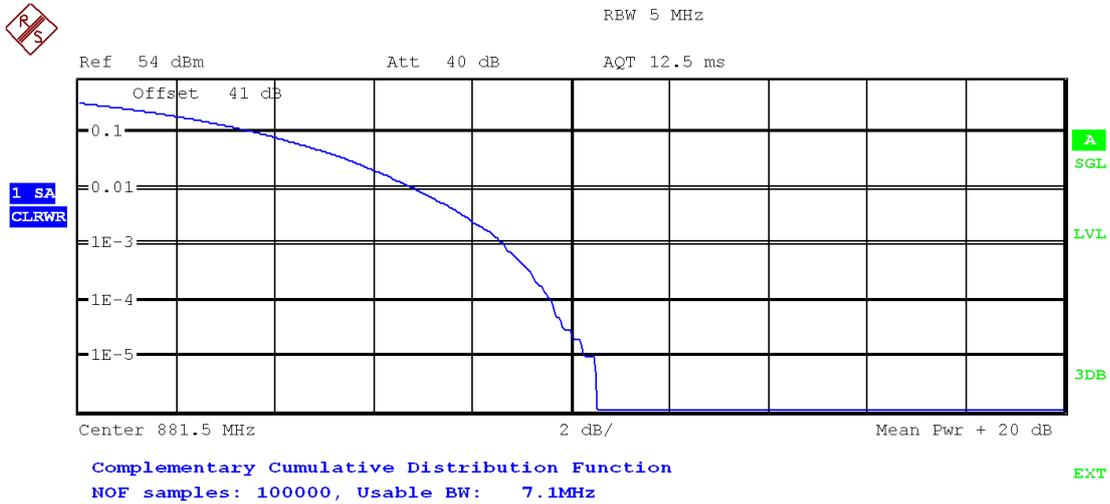
### 2.1.2.1.4 DL\_1G\_TM2\_M\_ANTB



Date: 19.NOV.2013 10:01:11

## 2.1.2.2 UMTS system

### 2.1.2.2.1 DL\_1U\_TM1\_M\_ANTA

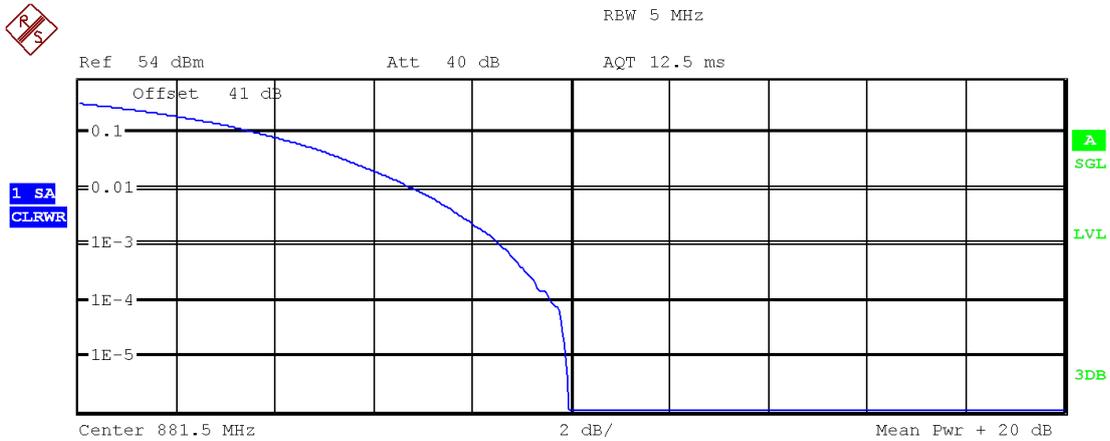


Trace 1

Mean	43.86 dBm
Peak	54.39 dBm
Crest	10.53 dB
10 %	3.72 dB
1 %	6.86 dB
.1 %	8.65 dB
.01 %	9.58 dB

Date: 19.NOV.2013 11:14:14

### 2.1.2.2.2 DL\_1U\_TM1\_M\_ANTB



Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 7.1MHz

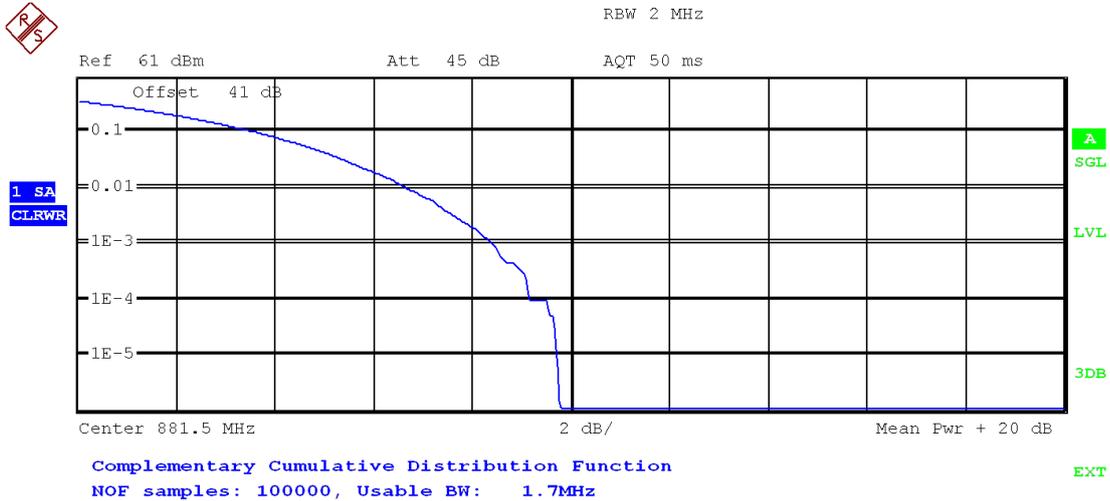
EXT

Trace 1	
Mean	43.95 dBm
Peak	53.90 dBm
Crest	9.95 dB
10 %	3.75 dB
1 %	6.83 dB
.1 %	8.56 dB
.01 %	9.58 dB

Date: 19.NOV.2013 10:12:07

### 2.1.2.3 LTE system

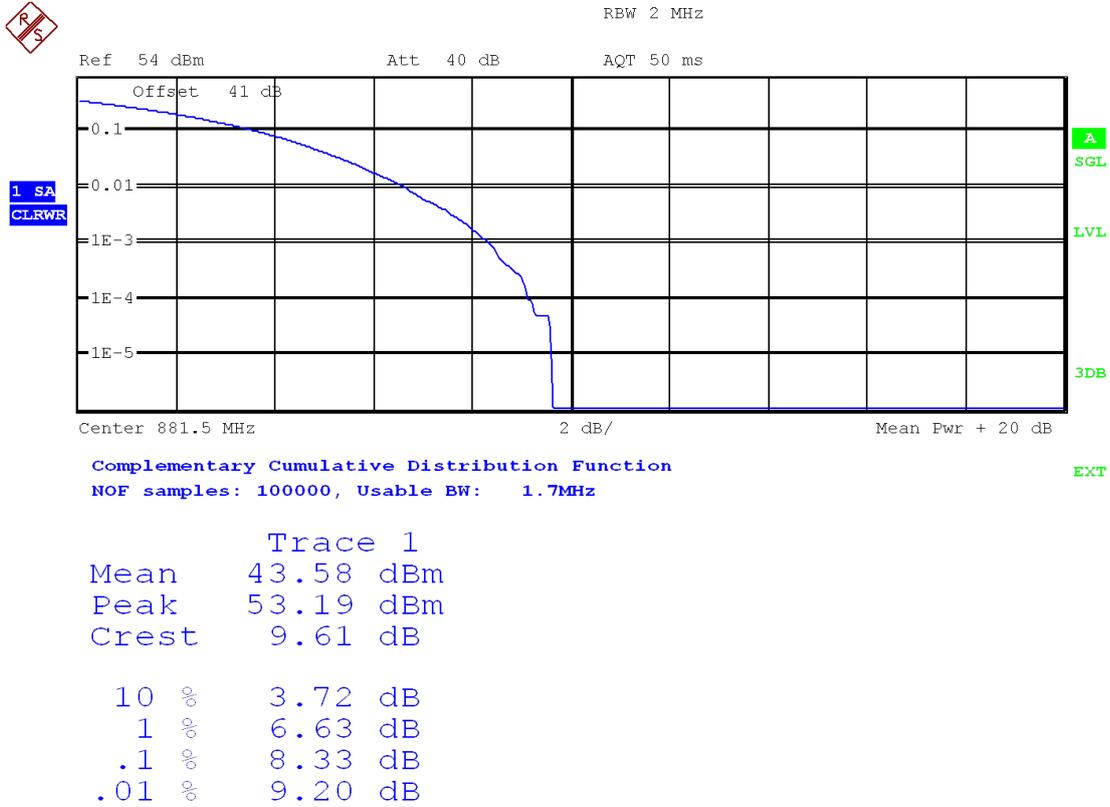
#### 2.1.2.3.1 DL\_1L\_1.4M\_M\_ANTA



Trace 1	
Mean	43.58 dBm
Peak	53.35 dBm
Crest	9.77 dB
10 %	3.65 dB
1 %	6.67 dB
.1 %	8.40 dB
.01 %	9.49 dB

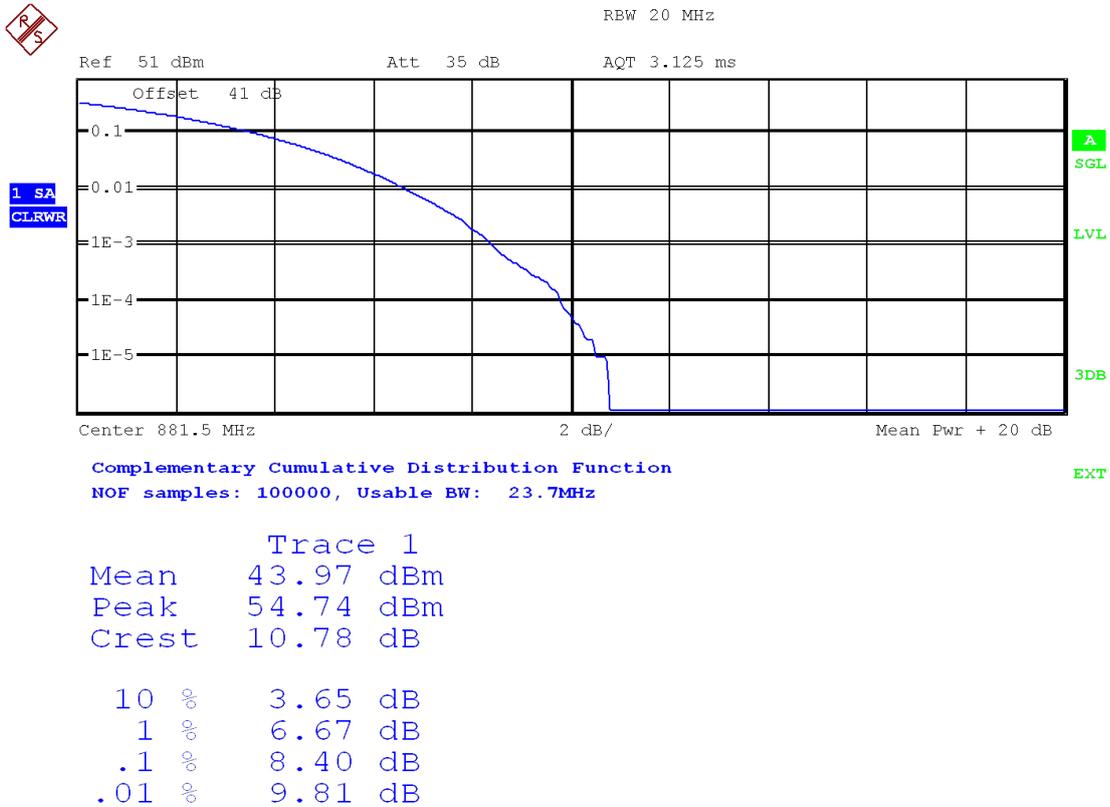
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### 2.1.2.3.2 DL\_1L\_1.4M\_M\_ANTB



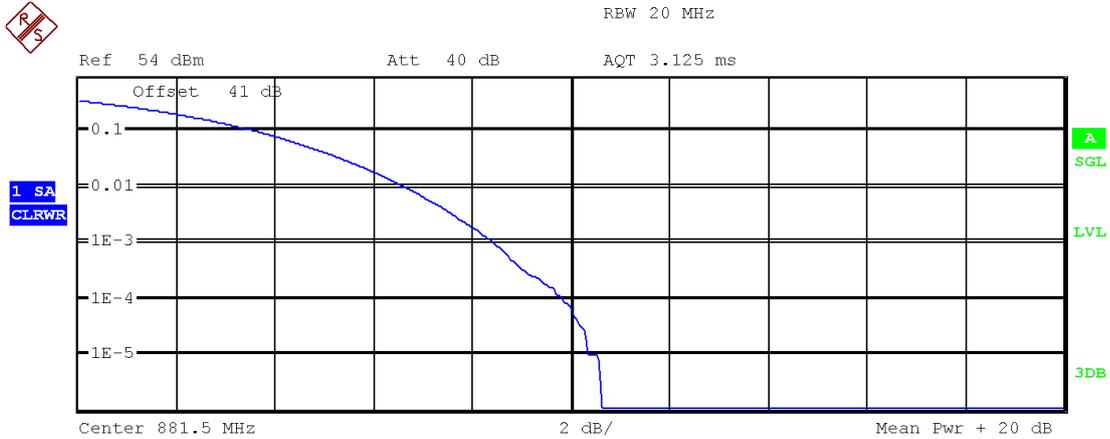
Date: 19.NOV.2013 10:14:16

### 2.1.2.3.3 DL\_1L\_20M\_M\_ANTA



Date: 19.NOV.2013 11:12:45

### 2.1.2.3.4 DL\_1L\_20M\_M\_ANTB



Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 23.7MHz

EXT

Trace 1	
Mean	44.02 dBm
Peak	54.63 dBm
Crest	10.62 dB
10 %	3.69 dB
1 %	6.63 dB
.1 %	8.43 dB
.01 %	9.81 dB

Date: 19.NOV.2013 10:13:11



# Appendix B: Bandwidth

## 1 Result Table

### 1.1 Occupied Bandwidth

#### 1.1.1 Uplink Test Plots

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

#### 1.1.2 Downlink Test Plots (without AGC activated)

##### 1.1.2.1 GSM system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1G_TM1_M_ANTA	0.2452	Pass
DL_1G_TM1_M_ANTB	0.2452	Pass
DL_1G_TM2_M_ANTA	0.2332	Pass
DL_1G_TM2_M_ANTB	0.2332	Pass

##### 1.1.2.2 UMTS system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1U_TM1_M_ANTA	4.1667	Pass
DL_1U_TM1_M_ANTB	4.1667	Pass

##### 1.1.2.3 LTE system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1L_1.4M_M_ANTA	1.0769	Pass
DL_1L_1.4M_M_ANTB	1.0769	Pass
DL_1L_20M_M_ANTA	17.8888	Pass
DL_1L_20M_M_ANTB	17.8888	Pass

#### 1.1.3 Downlink Test Plots (input signal +10dB with AGC activated)

##### 1.1.3.1 GSM system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1G_TM1_M_ANTA	0.2460	Pass
DL_1G_TM1_M_ANTB	0.2460	Pass
DL_1G_TM2_M_ANTA	0.2411	Pass

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1G_TM2_M_ANTB	0.2396	Pass

### 1.1.3.2 UMTS system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1U_TM1_M_ANTA	4.1667	Pass
DL_1U_TM1_M_ANTB	4.1667	Pass

### 1.1.3.3 LTE system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1L_1.4M_M_ANTA	1.1274	Pass
DL_1L_1.4M_M_ANTB	1.1274	Pass
DL_1L_20M_M_ANTA	17.9444	Pass
DL_1L_20M_M_ANTB	17.9444	Pass

## 1.2 20dB Bandwidth

### 1.2.1 Uplink Test Plots

### 1.2.2 Downlink Test Plots

#### 1.2.2.1 GSM system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1G_TM1_M_ANTA	0.279104	Pass
DL_1G_TM1_M_ANTB	0.271168	Pass
DL_1G_TM2_M_ANTA	0.279648	Pass
DL_1G_TM2_M_ANTB	0.281792	Pass

#### 1.2.2.2 UMTS system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1U_TM1_M_ANTA	4.600064	Pass
DL_1U_TM1_M_ANTB	4.610048	Pass

#### 1.2.2.3 LTE system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1L_1.4M_M_ANTA	1.357376	Pass
DL_1L_1.4M_M_ANTB	1.346176	Pass



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EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1L_20M_M_ANTA	18.882368	Pass
DL_1L_20M_M_ANTB	18.852928	Pass

### 1.3 26dB Bandwidth

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

#### 1.3.1 Downlink Test Plots

##### 1.3.1.1 GSM system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1G_TM1_M_ANTA	0.308544	Pass
DL_1G_TM1_M_ANTB	0.31328	Pass
DL_1G_TM2_M_ANTA	0.30496	Pass
DL_1G_TM2_M_ANTB	0.300288	Pass

##### 1.3.1.2 UMTS system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1U_TM1_M_ANTA	4.620032	Pass
DL_1U_TM1_M_ANTB	4.620032	Pass

##### 1.3.1.3 LTE system

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
DL_1L_1.4M_M_ANTA	1.31808	Pass
DL_1L_1.4M_M_ANTB	1.323712	Pass
DL_1L_20M_M_ANTA	18.649984	Pass
DL_1L_20M_M_ANTB	18.56	Pass



## 2 Test Plot

### 2.1 Occupied Bandwidth

#### 2.1.1 Uplink Test Plots

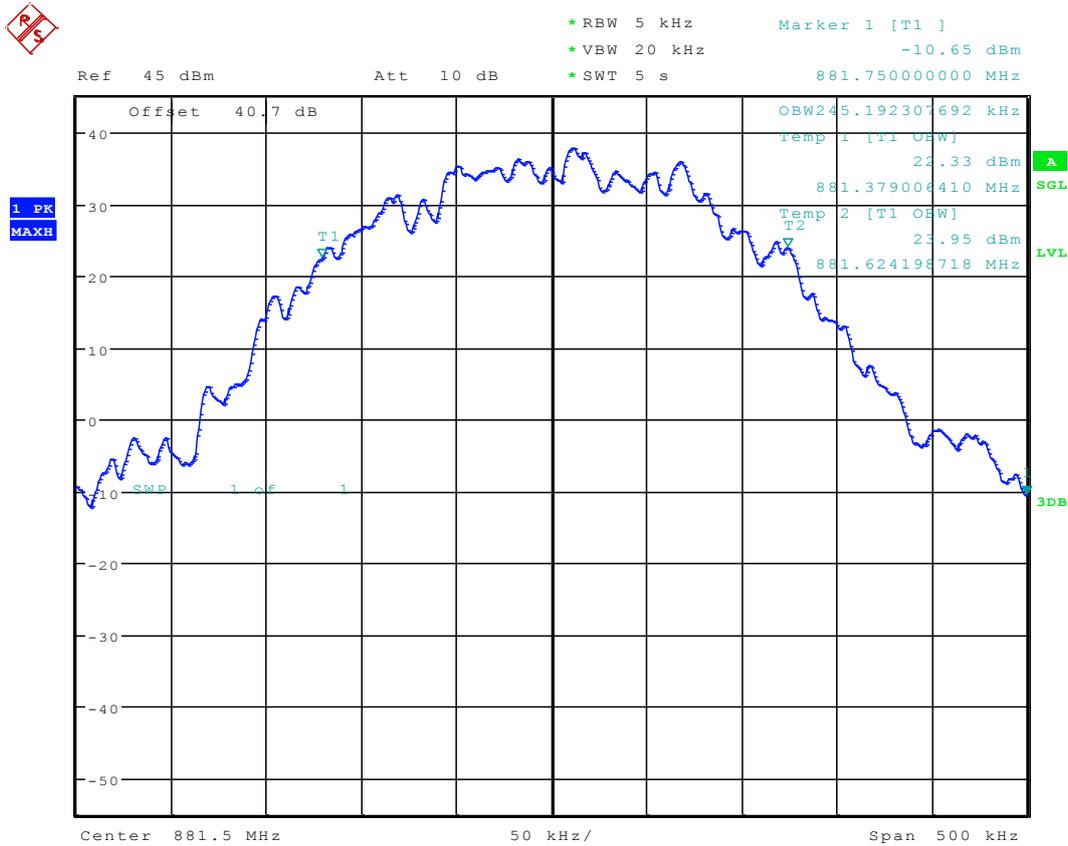
Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

## 2.1.2 Downlink Test Plots

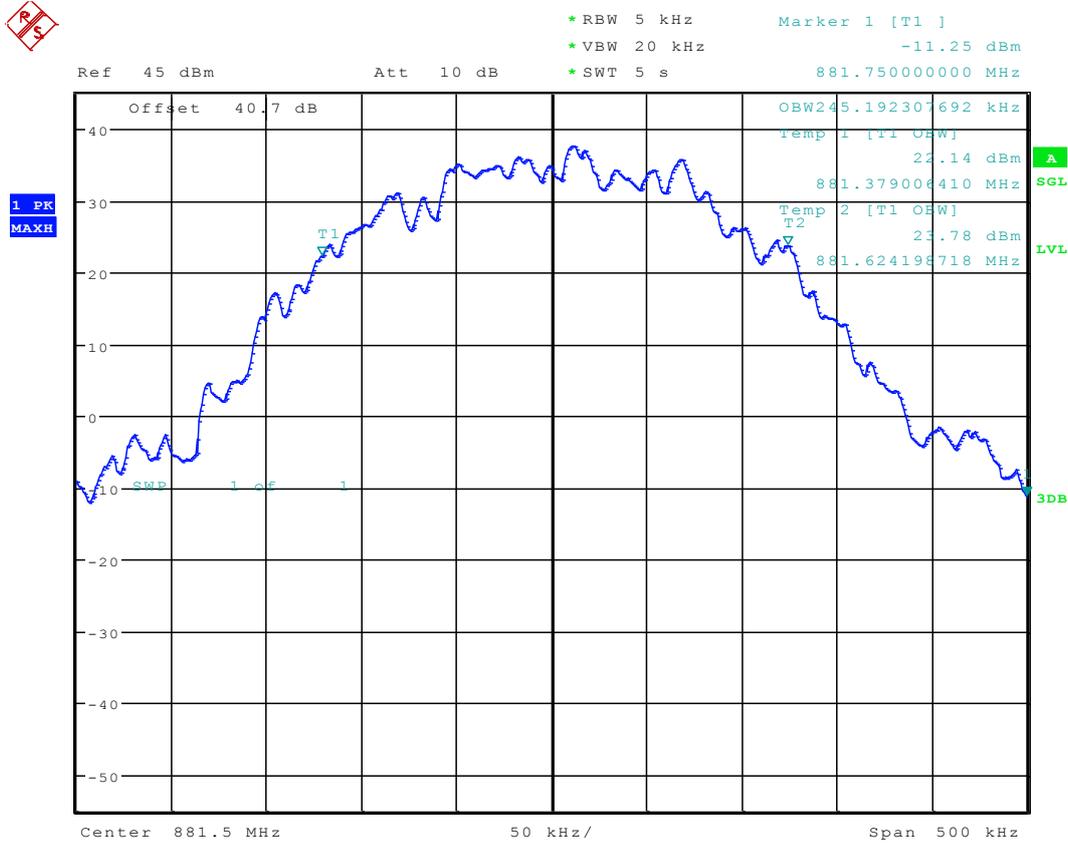
### 2.1.2.1 GSM system

#### 2.1.2.1.1 DL\_1G\_TM1\_M\_ANTA



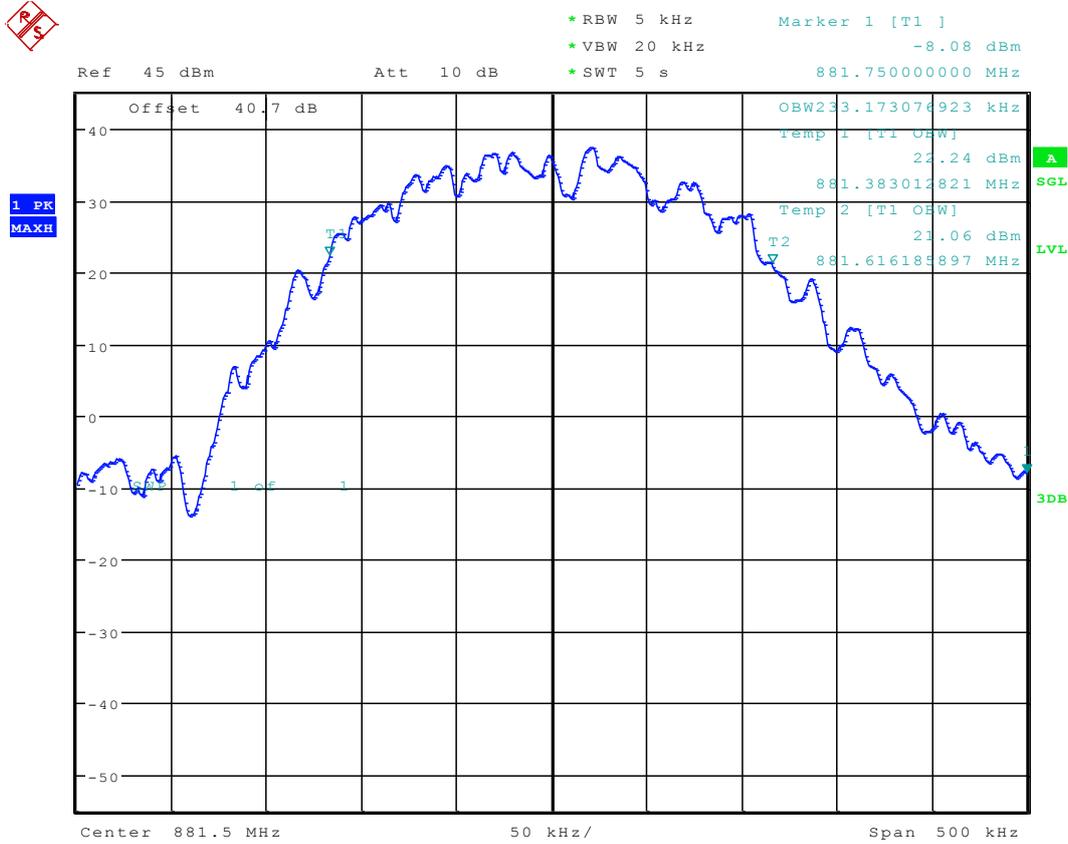
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### 2.1.2.1.2 DL\_1G\_TM1\_M\_ANTB



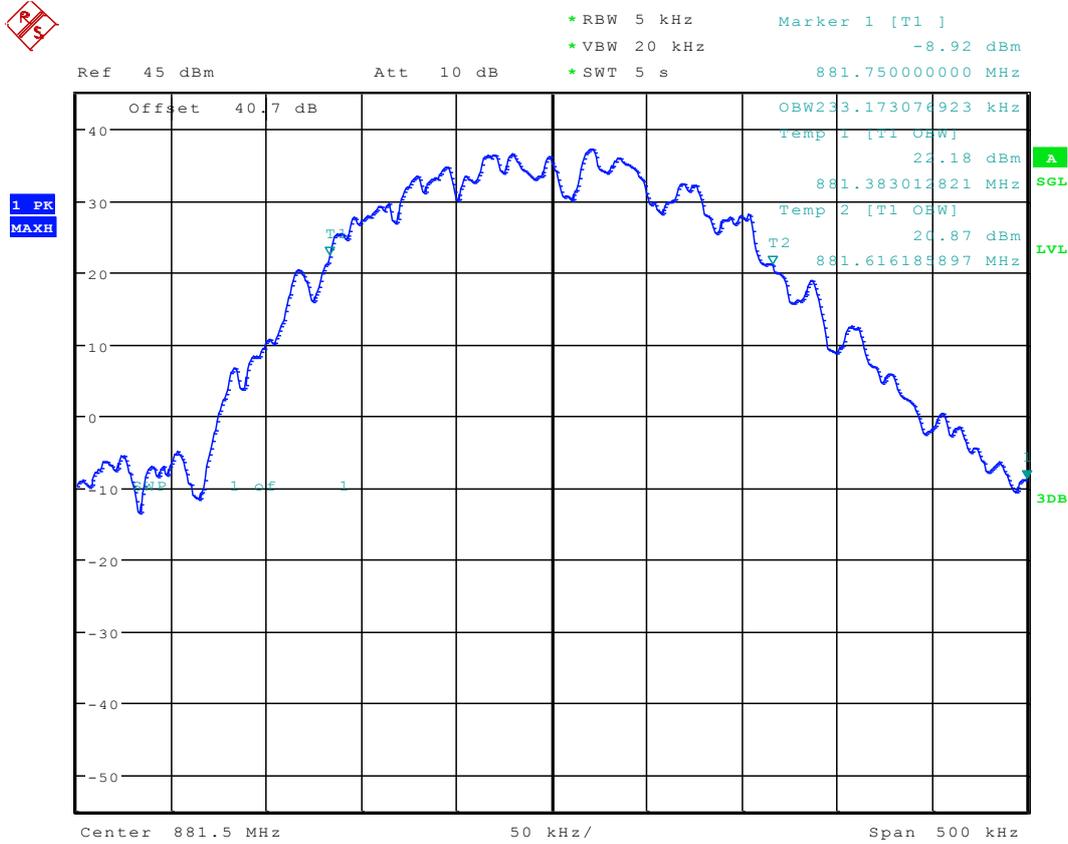
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### 2.1.2.1.3 DL\_1G\_TM2\_M\_ANTA



Date: 18.SEP.2013 16:50:17

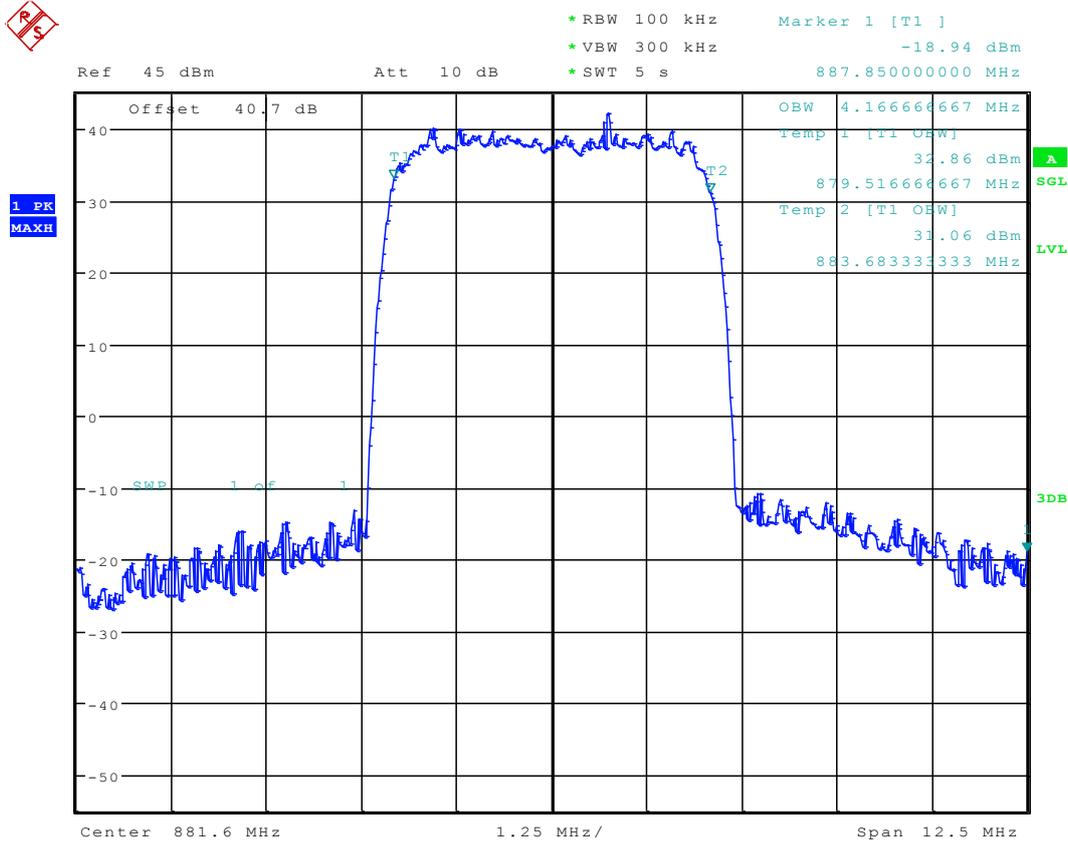
### 2.1.2.1.4 DL\_1G\_TM2\_M\_ANTB



Date: 20.SEP.2013 10:13:48

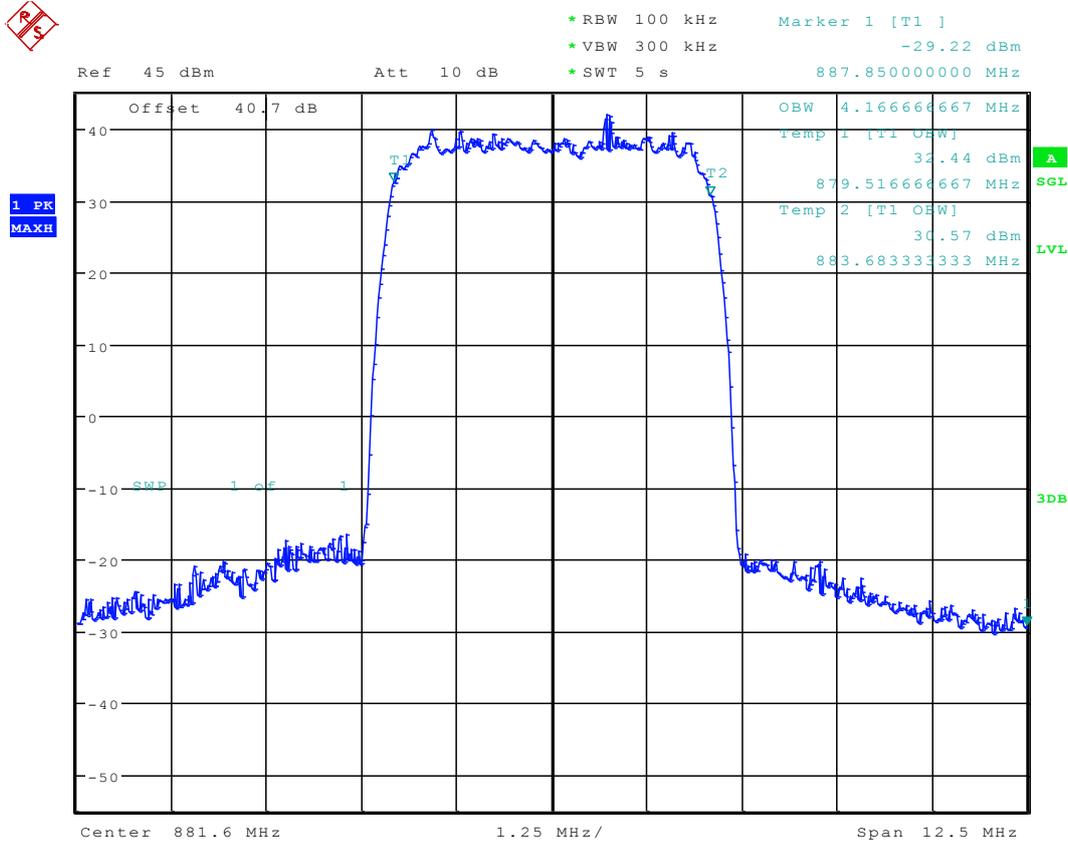
### 2.1.2.2 UMTS system

#### 2.1.2.2.1 DL\_1U\_TM1\_M\_ANTA



Date: 20.SEP.2013 12:02:04

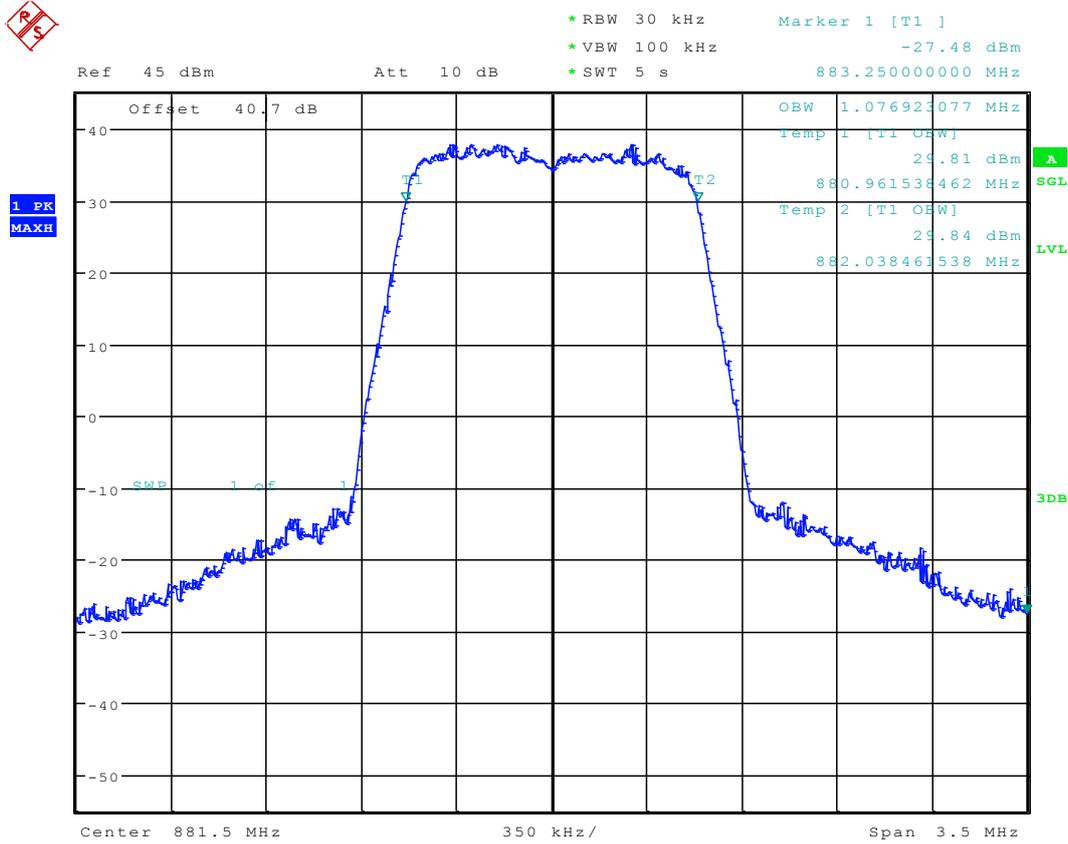
### 2.1.2.2.2 DL\_1U\_TM1\_M\_ANTB



Date: 20.SEP.2013 14:55:19

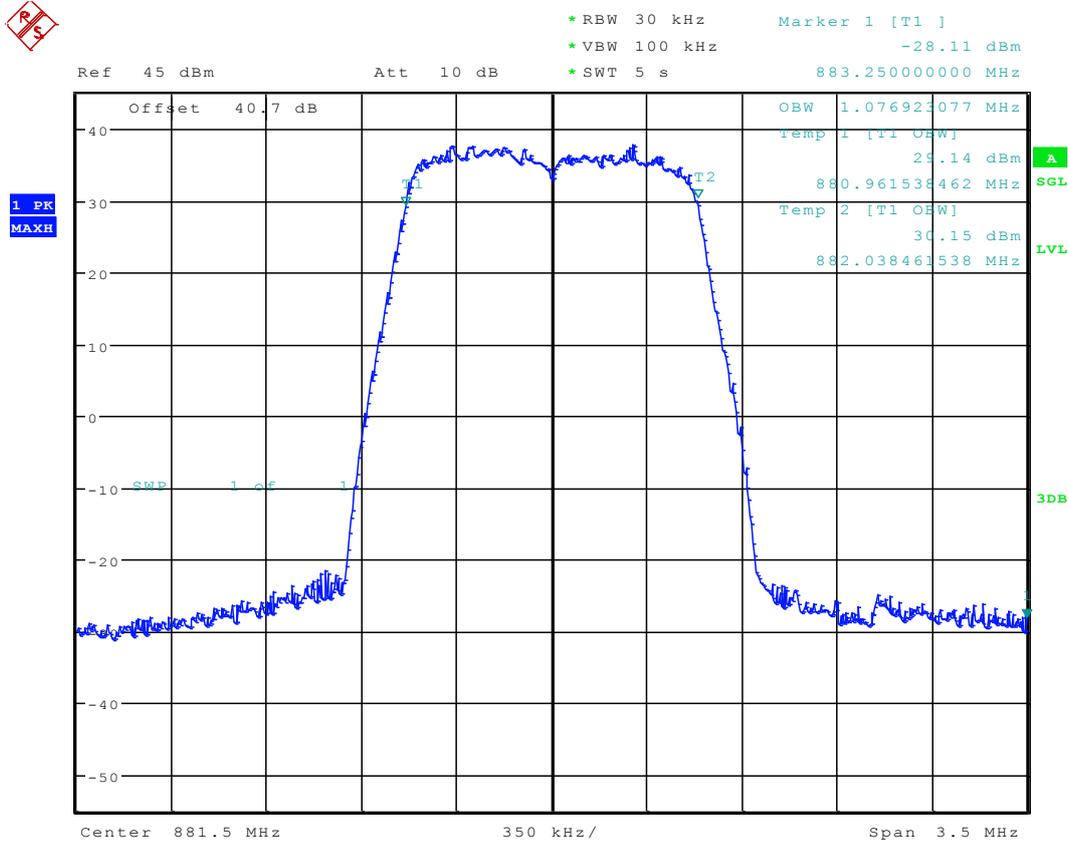
### 2.1.2.3 LTE system

#### 2.1.2.3.1 DL\_1L\_1.4M\_M\_ANTA



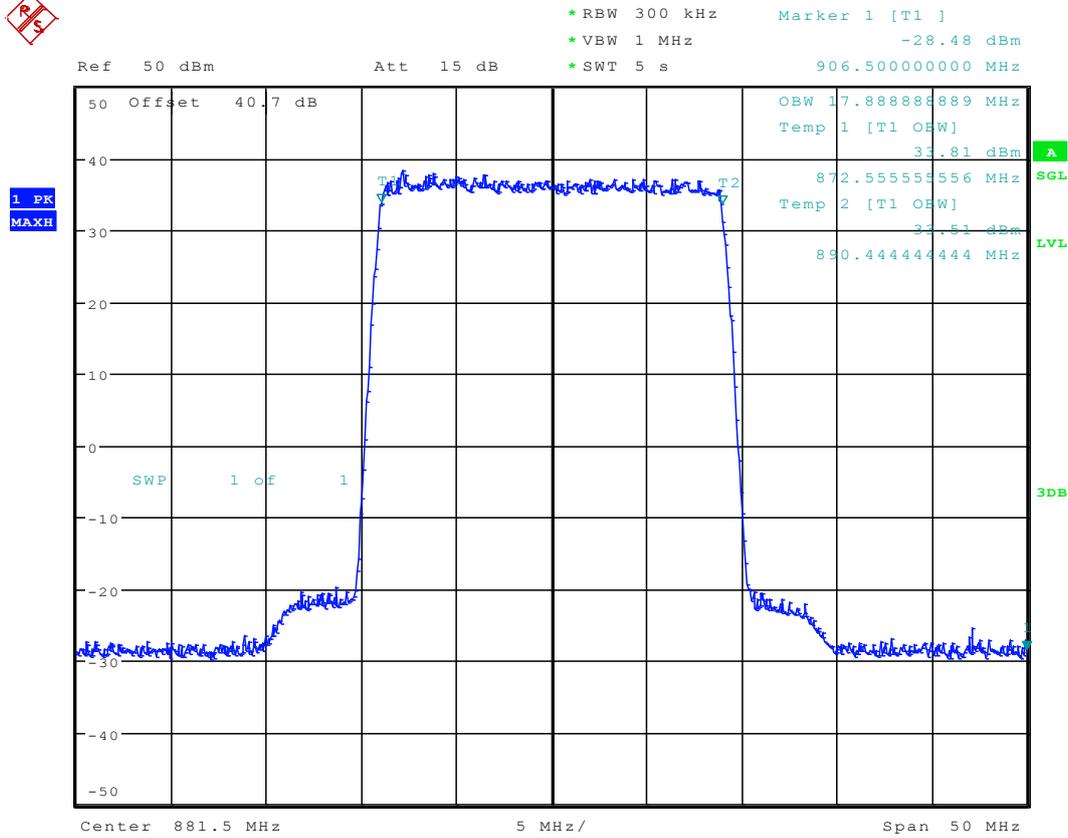
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### 2.1.2.3.2 DL\_1L\_1.4M\_M\_ANTB



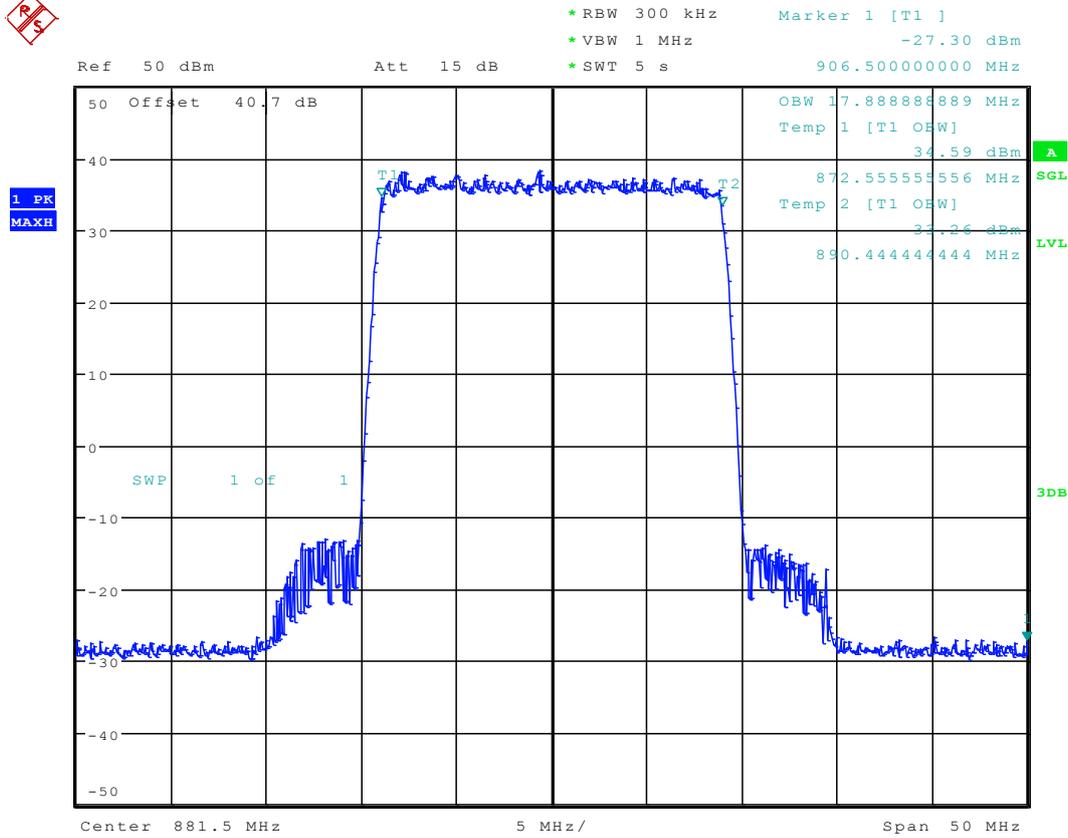
Date: 20.SEP.2013 16:06:39

### 2.1.2.3.3 DL\_1L\_20M\_M\_ANTA



Date: 20.SEP.2013 17:33:03

### 2.1.2.3.4 DL\_1L\_20M\_M\_ANTB

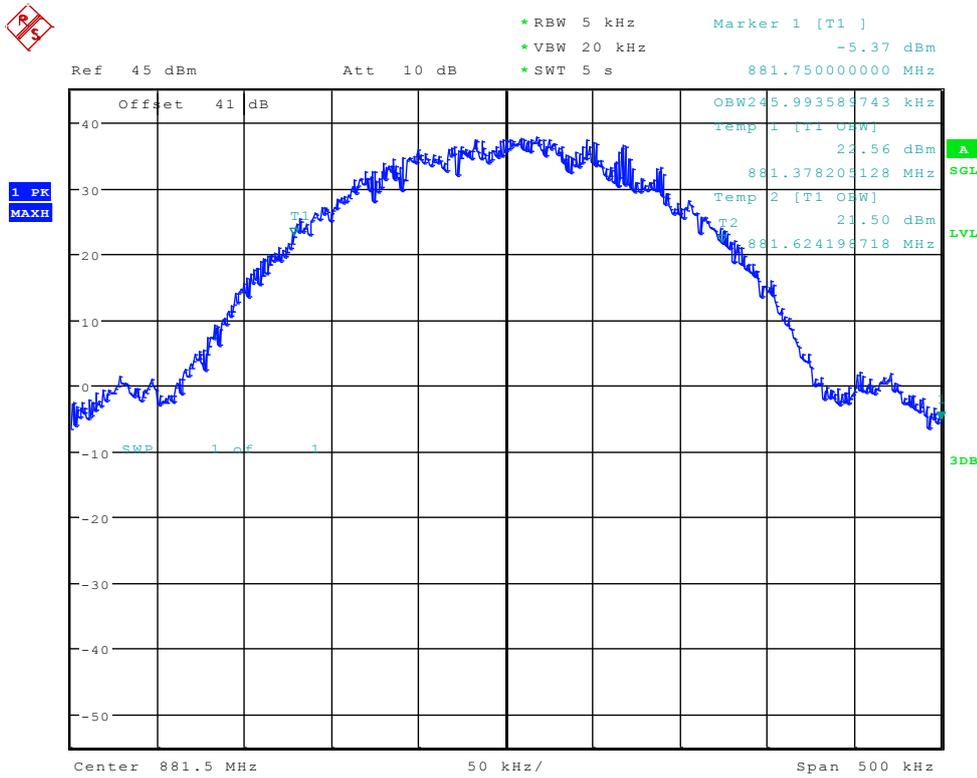


Date: 20.SEP.2013 17:24:58

### 2.1.3 Downlink Test Plots (input signal +10dB with AGC activated)

#### 2.1.3.1 GSM system

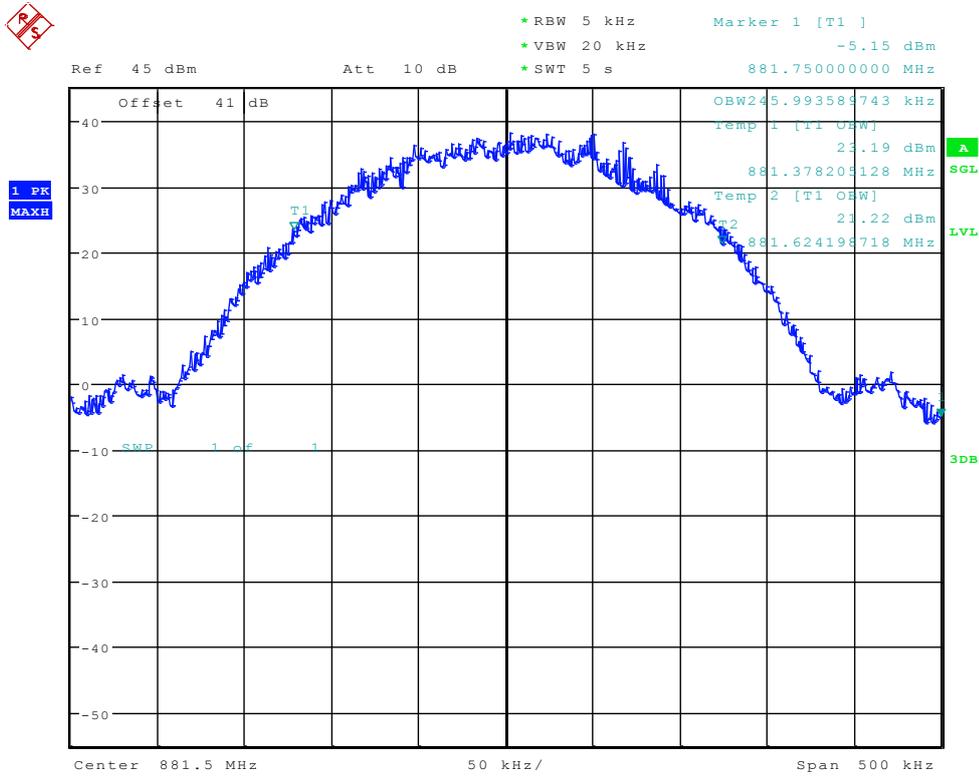
##### 2.1.3.1.1 DL\_1G\_TM1\_M\_ANTA



Date: 6.DRC.2013 10:05:45

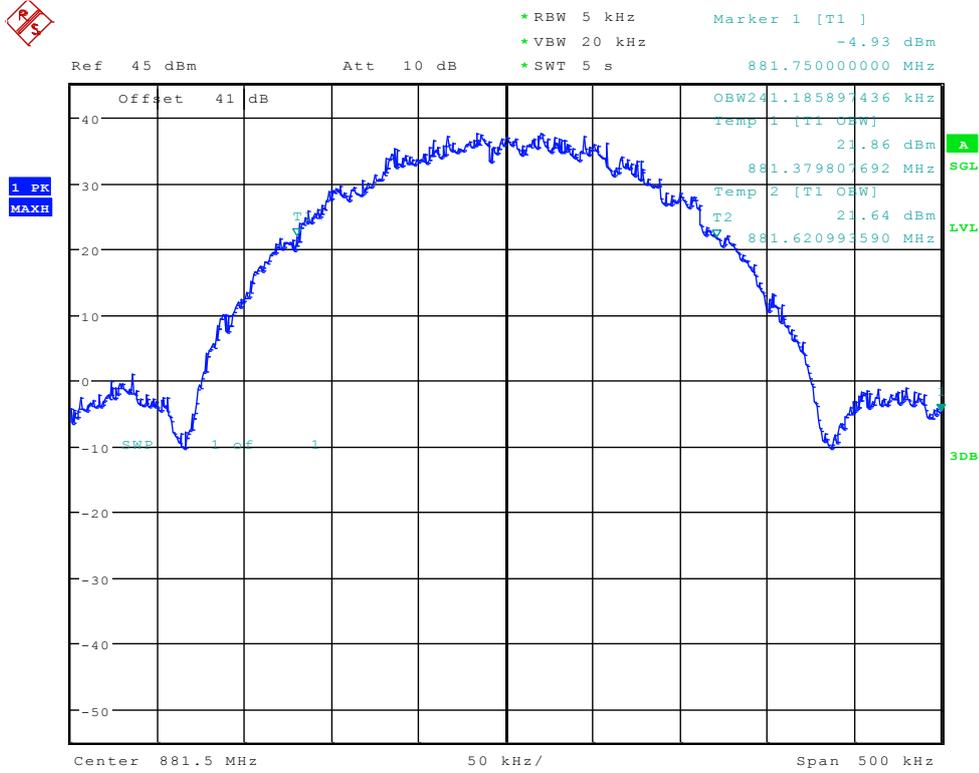


2.1.3.1.2 DL\_1G\_TM1\_M\_ANTB



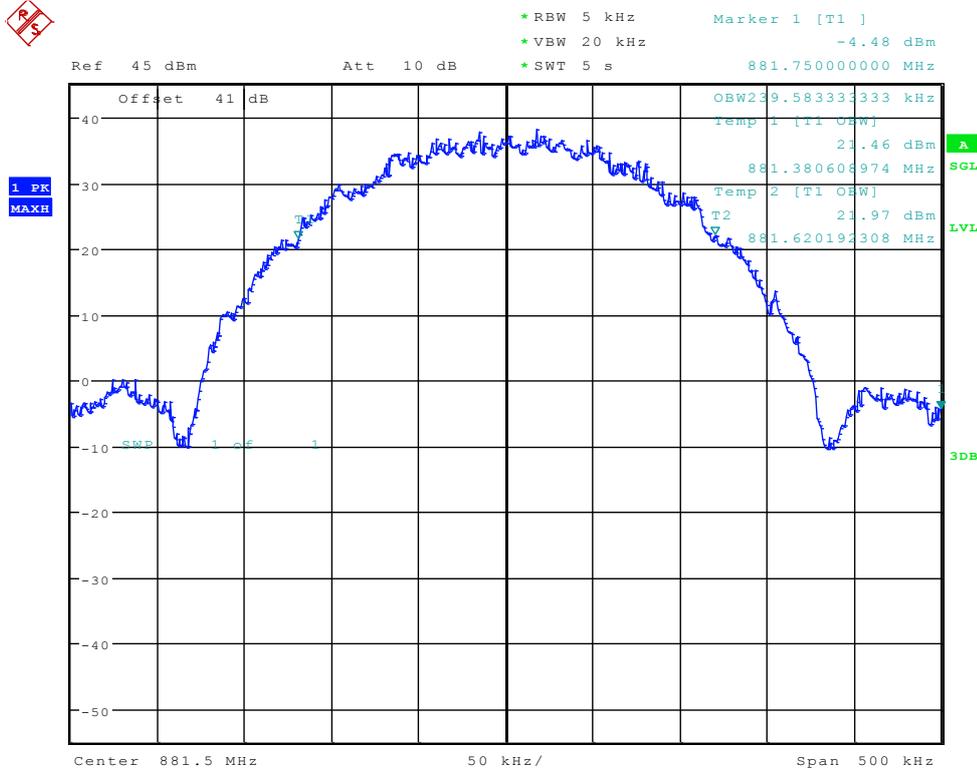
Date: 6.DEC.2013 10:07:07

### 2.1.3.1.3 DL\_1G\_TM2\_M\_ANTA



Date: 6.DEC.2013 10:08:22

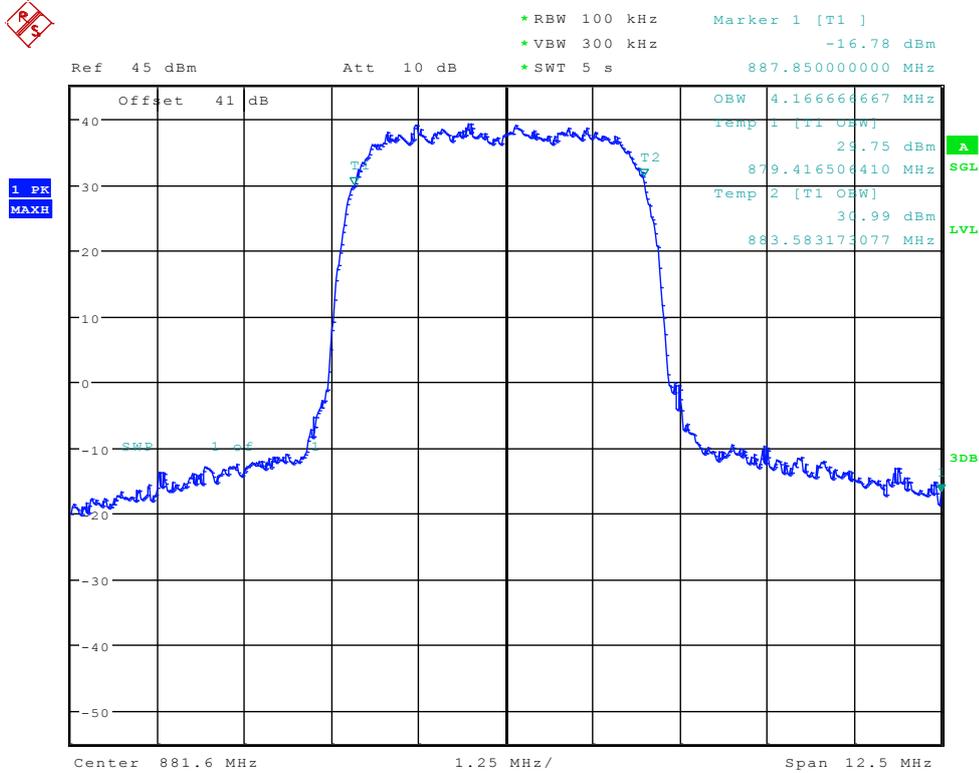
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Date: 6.DEC.2013 10:09:19

### 2.1.3.2 UMTS system

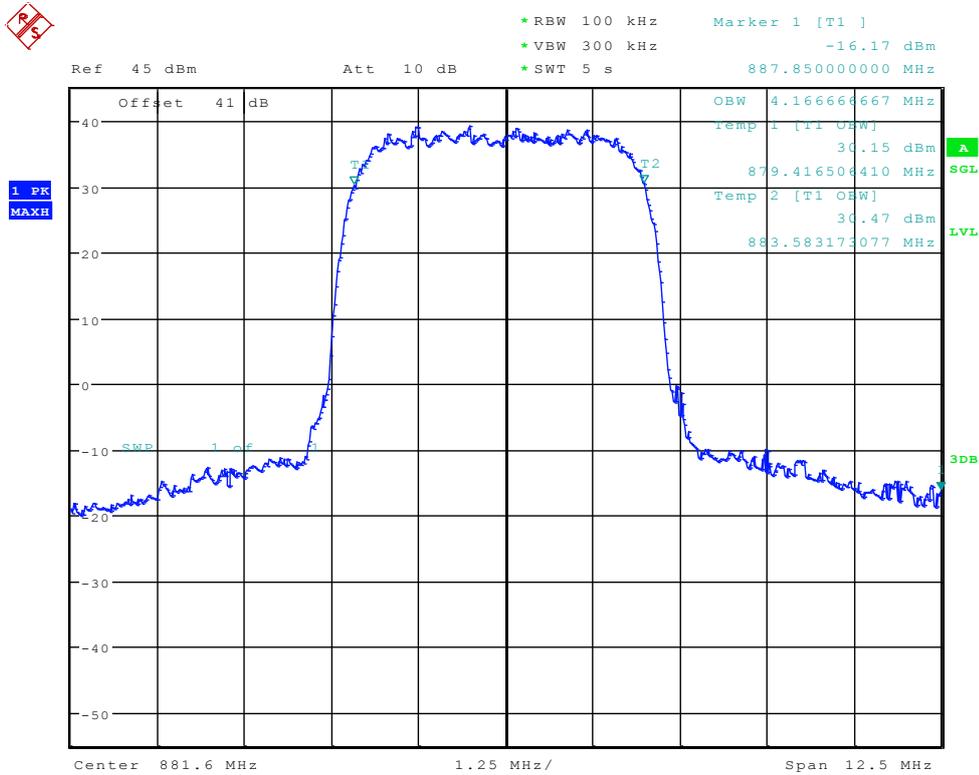
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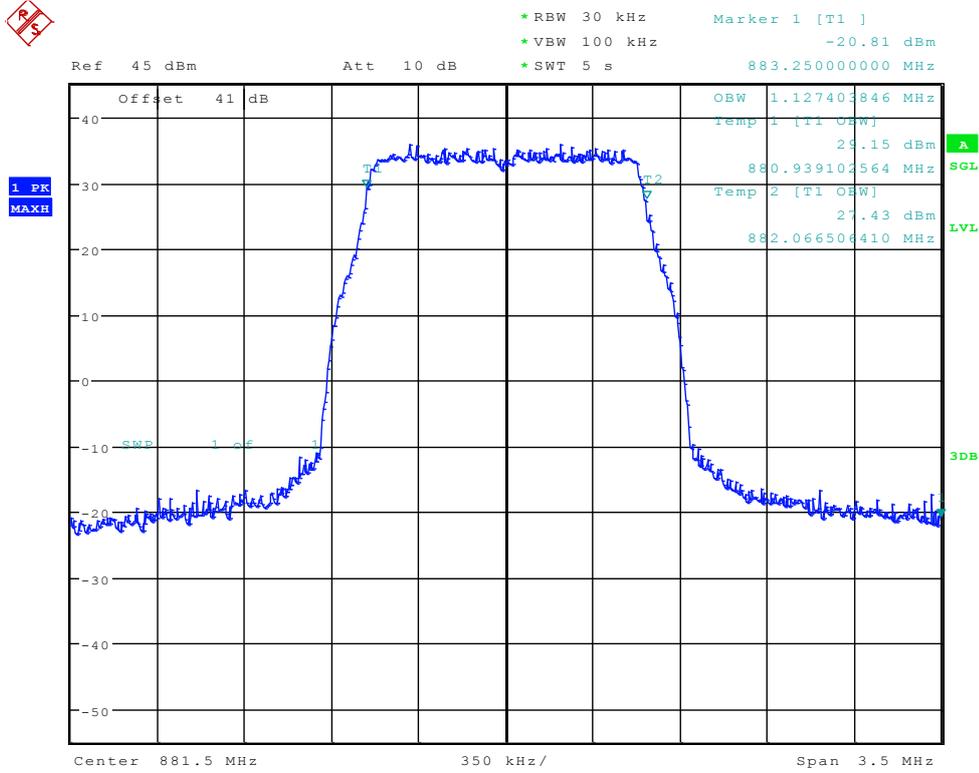
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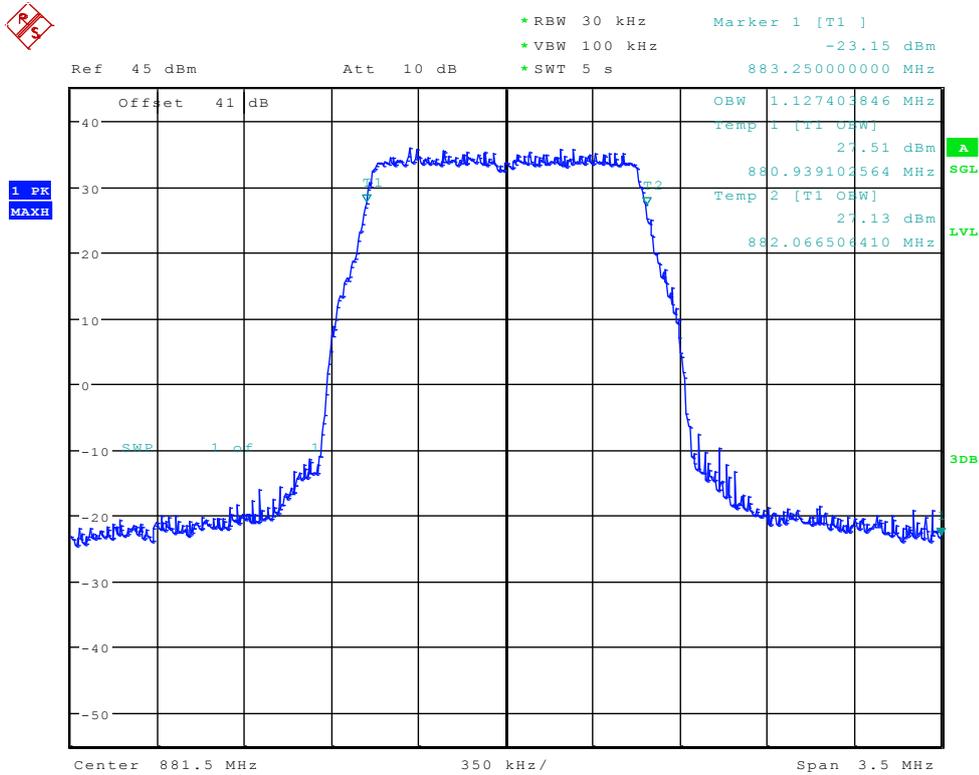
### 2.1.3.3 LTE system

#### 2.1.3.3.1 DL\_1L\_1.4M\_M\_ANTA



Date: 6.DEC.2013 11:37:34

### 2.1.3.3.2 DL\_1L\_1.4M\_M\_ANTB

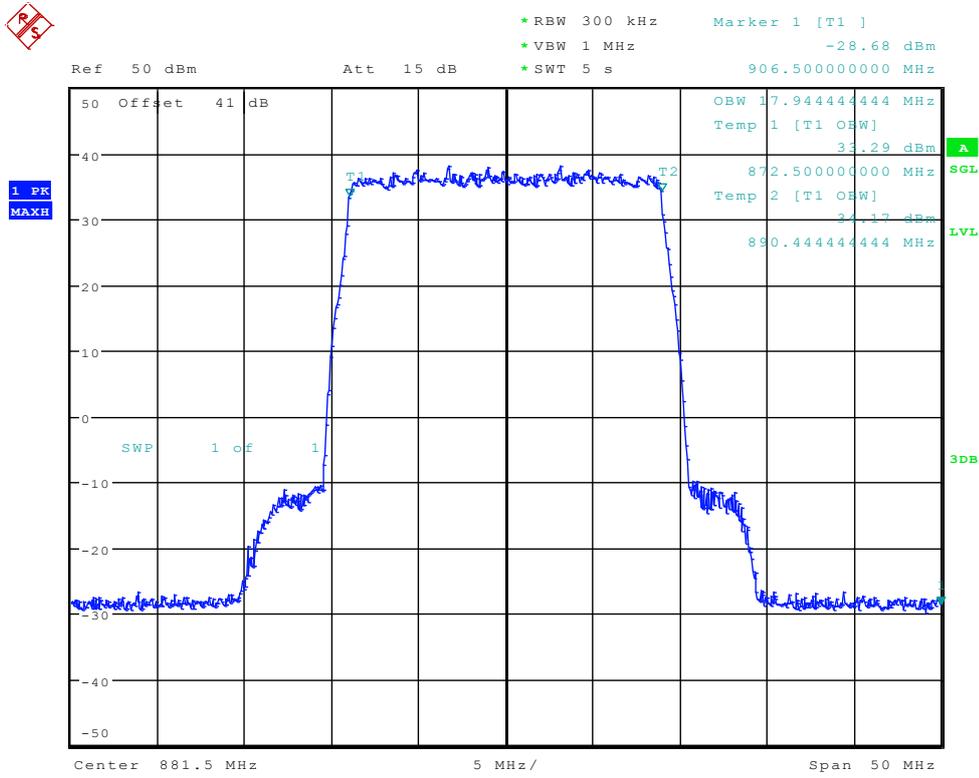


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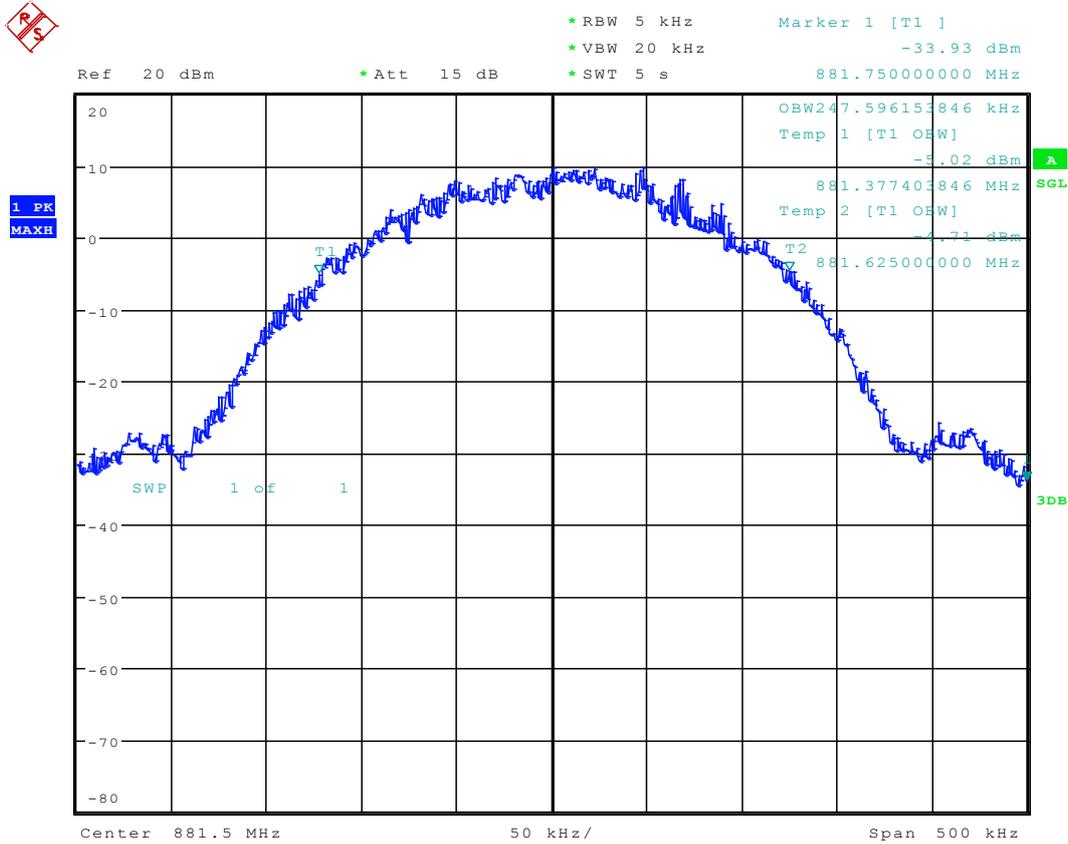
2.1.3.3.4 DL\_1L\_20M\_M\_ANTB



Date: 6.DRC.2013 11:49:46

## 2.1.4 Downlink input signal Plots

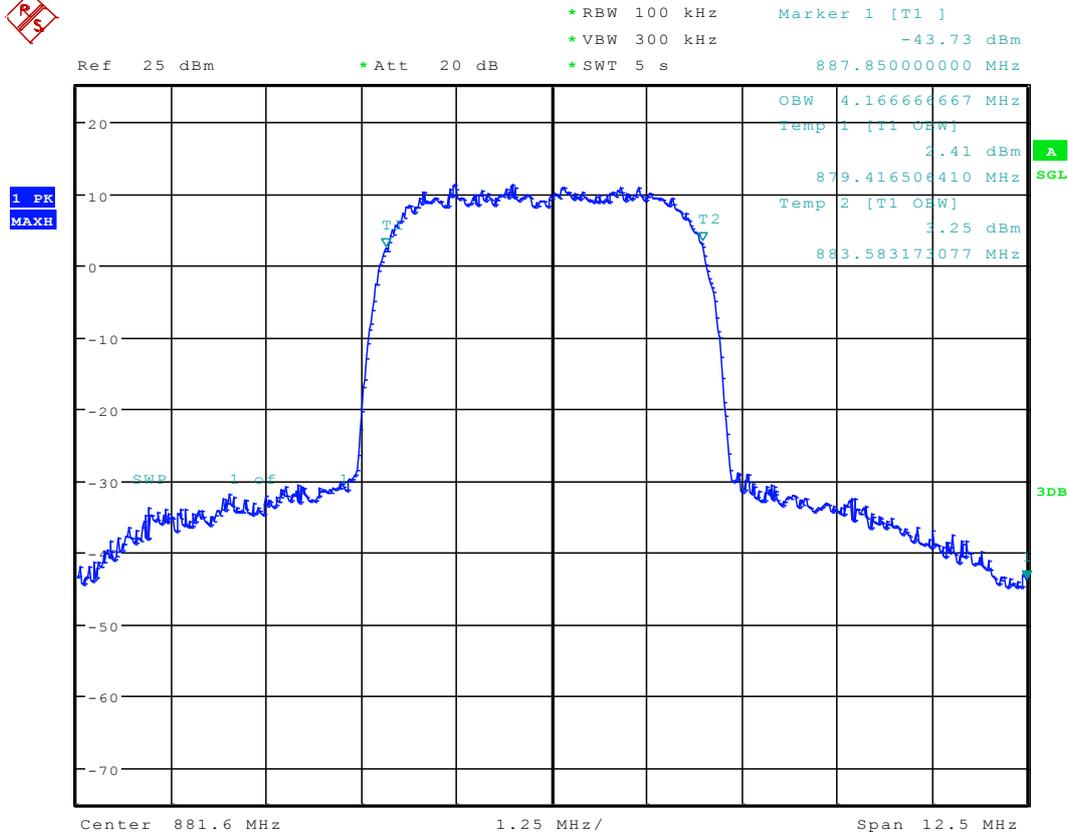
### 2.1.4.1 DL\_1G\_TM1\_M



Date: 7.DEC.2013 11:20:33



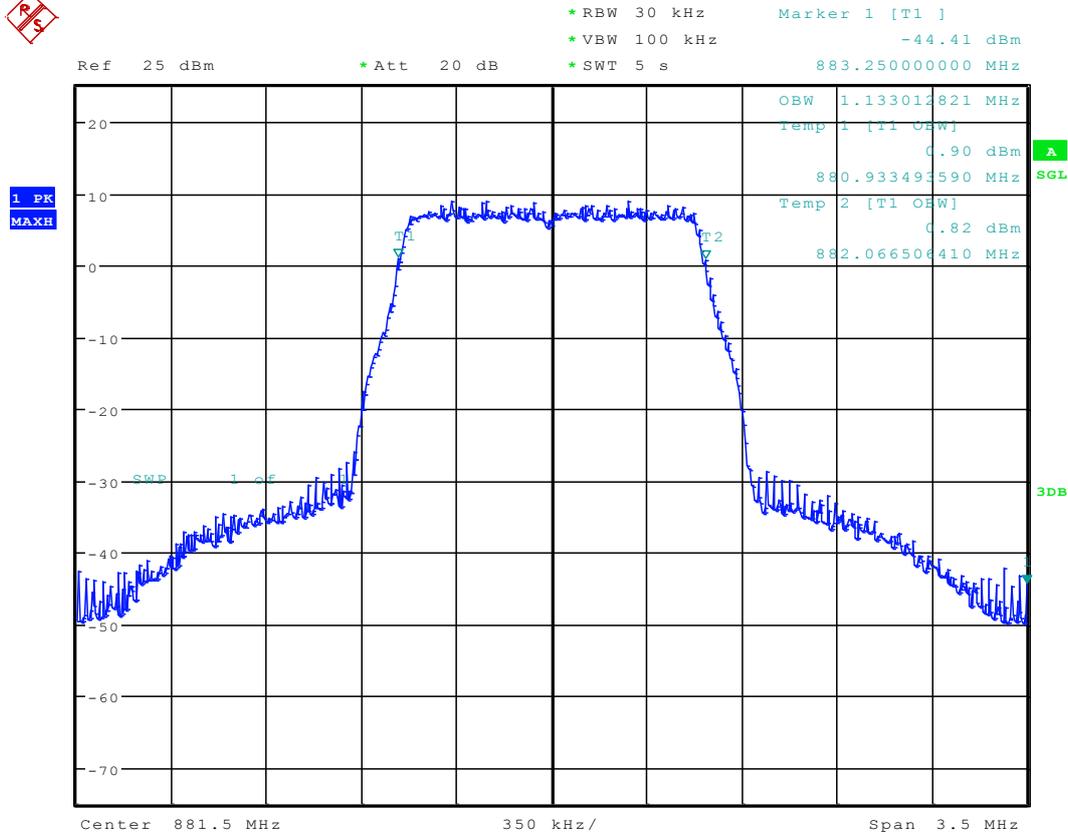
### 2.1.4.3 DL\_1U\_TM1\_M



Date: 7.DEC.2013 11:38:30



2.1.4.4 DL\_1L\_1.4M\_M



Date: 7.DEC.2013 11:43:13

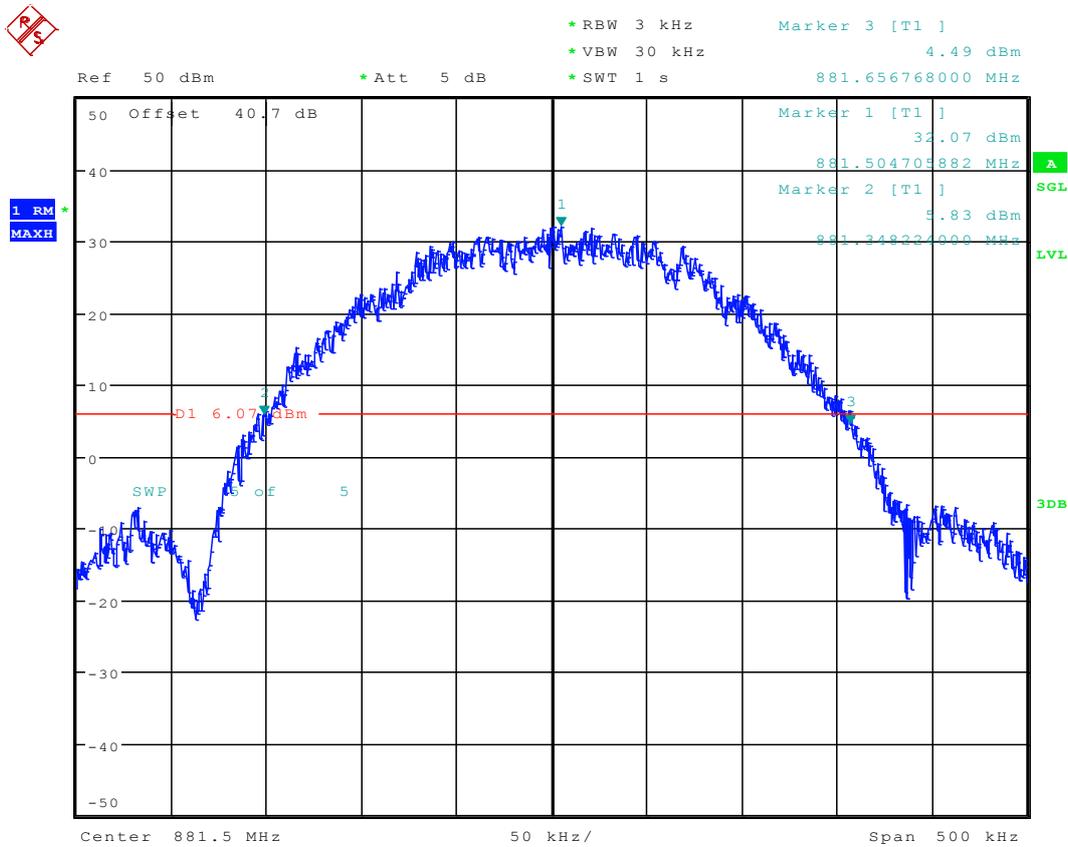


## 2.1 20dB Bandwidth

### 2.1.1 Downlink Test Plots

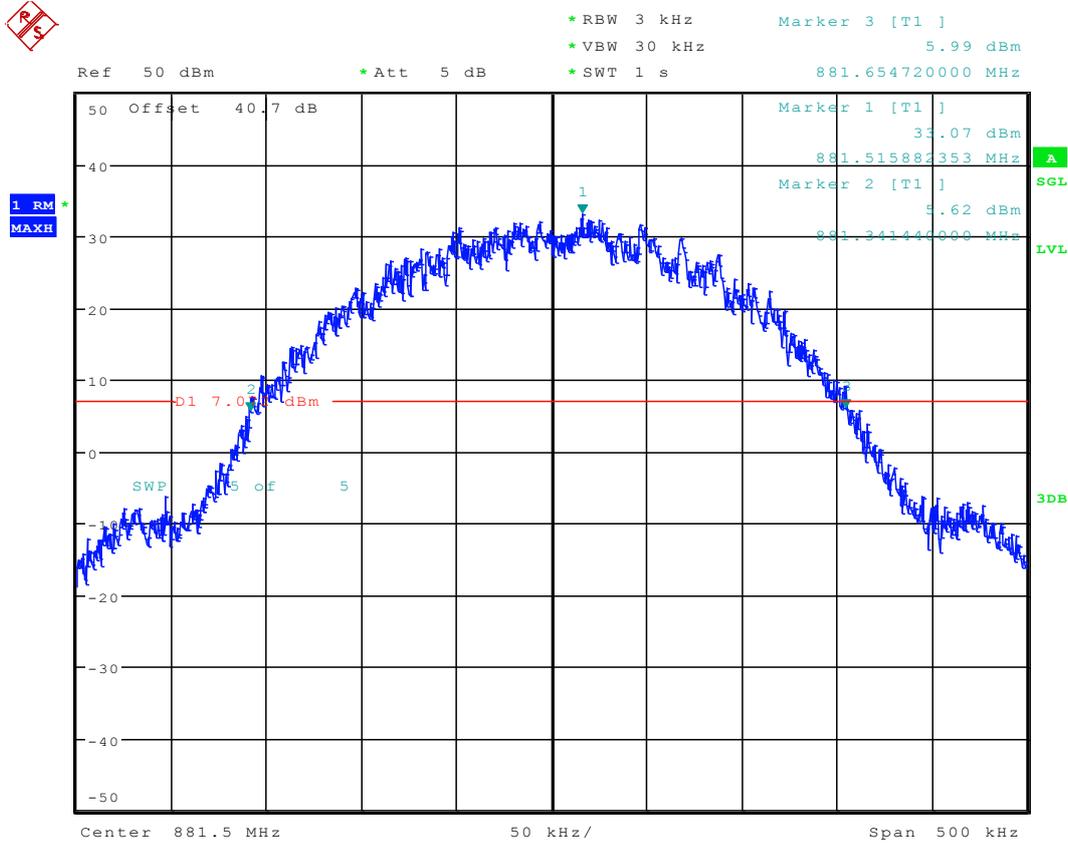
#### 2.1.1.1 GSM system

##### 2.1.1.1.1 DL\_1G\_TM1\_M\_ANTA



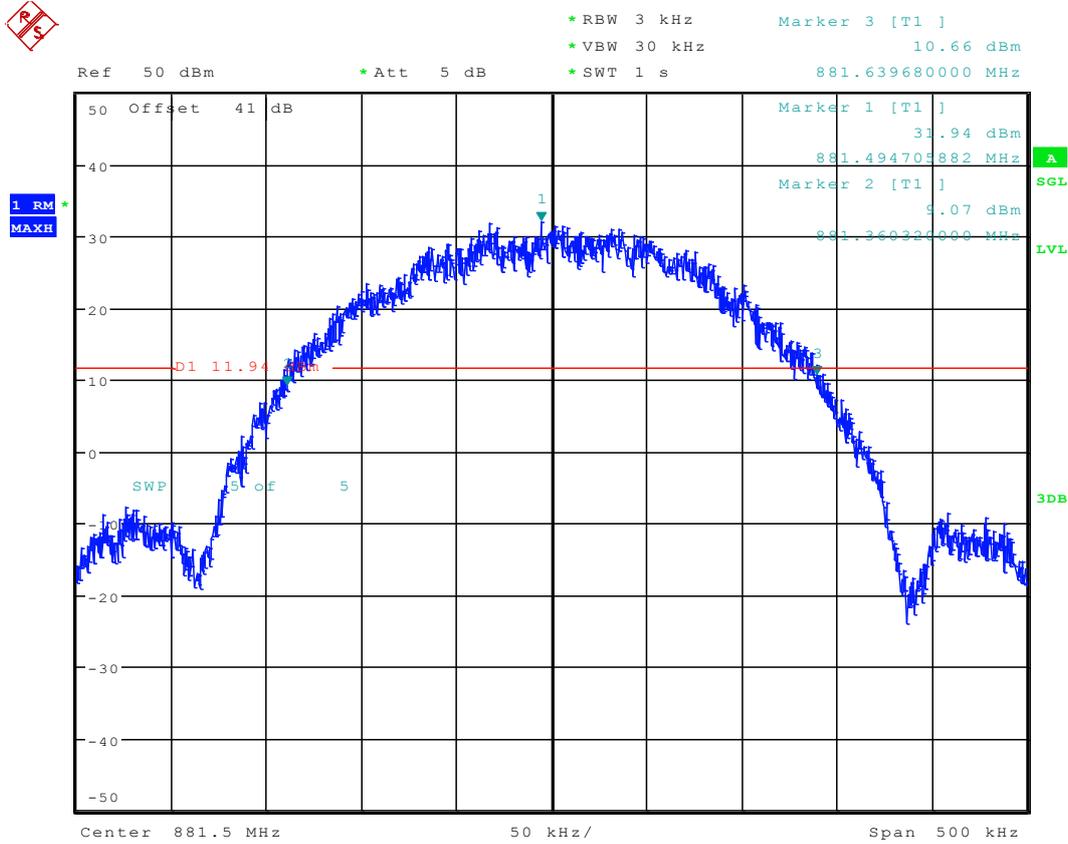
Date: 7.NOV.2013 16:58:10

### 2.1.1.1.2 DL\_1G\_TM1\_M\_ANTB



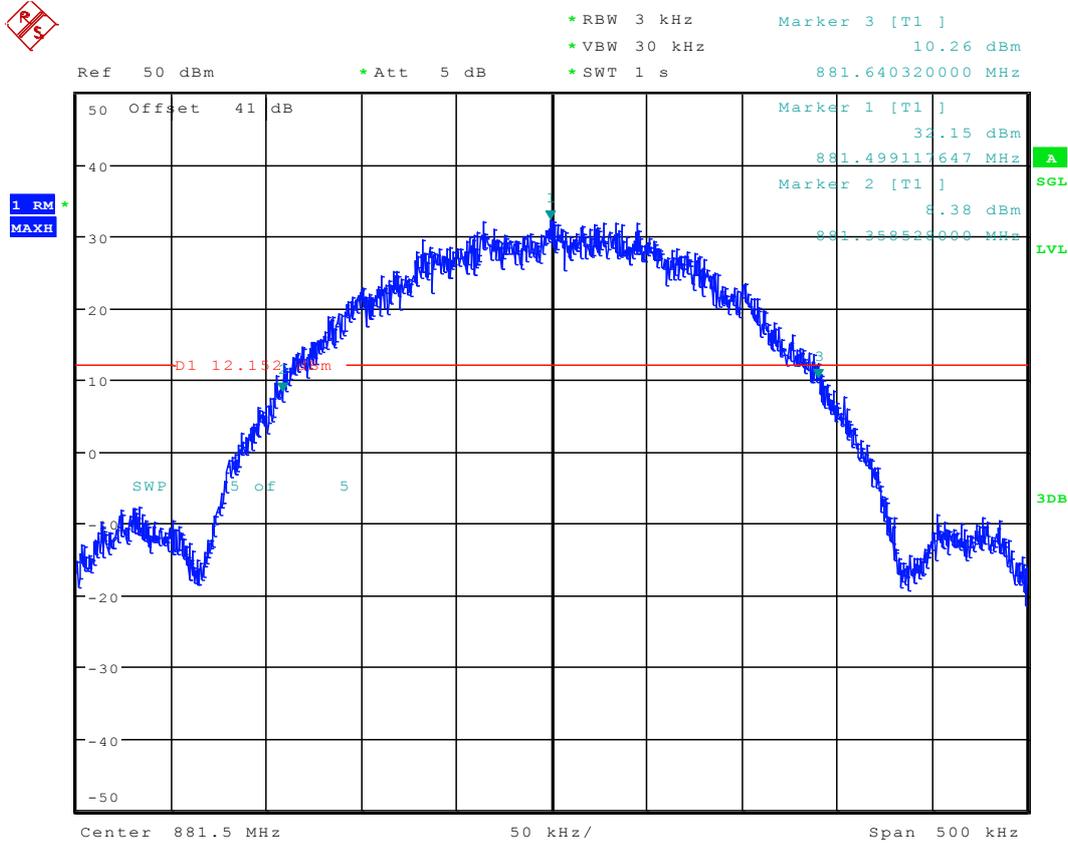
Date: 7.NOV.2013 17:13:59

### 2.1.1.1.3 DL\_1G\_TM2\_M\_ANTA



Date: 3.DEC.2013 16:19:48

### 2.1.1.1.4 DL\_1G\_TM2\_M\_ANTB

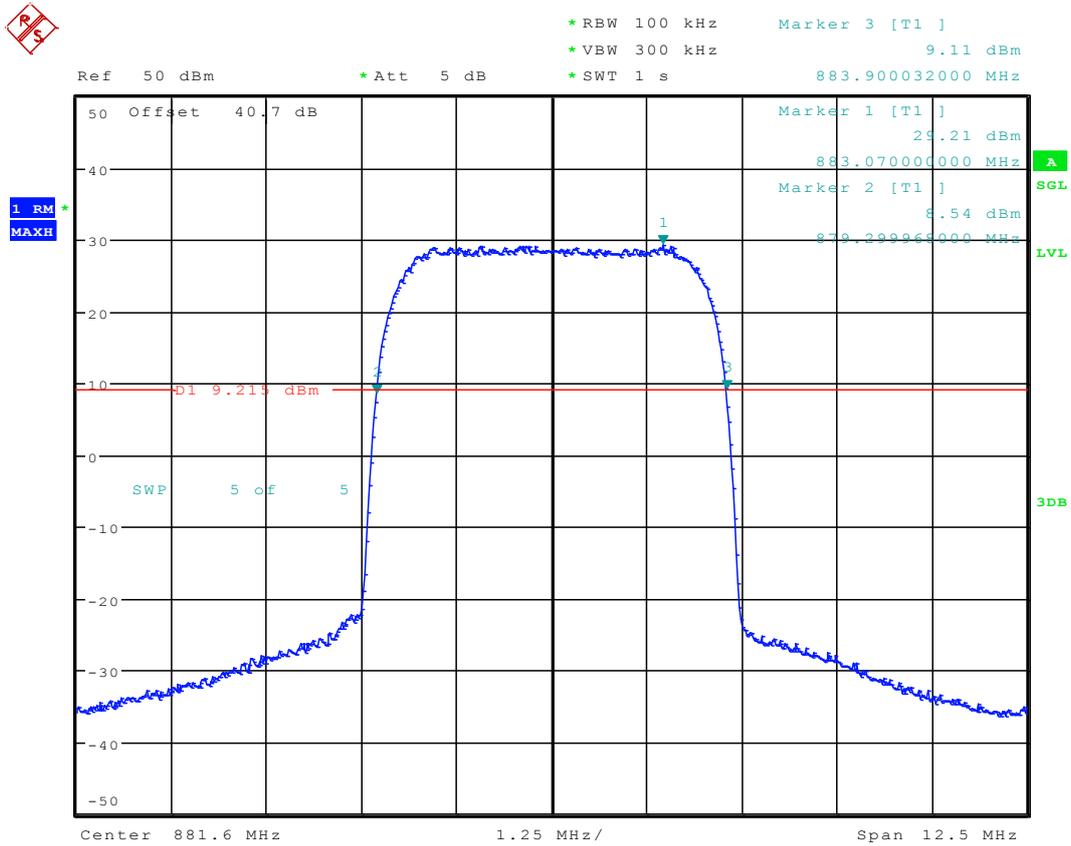


Date: 3.DEC.2013 16:22:00



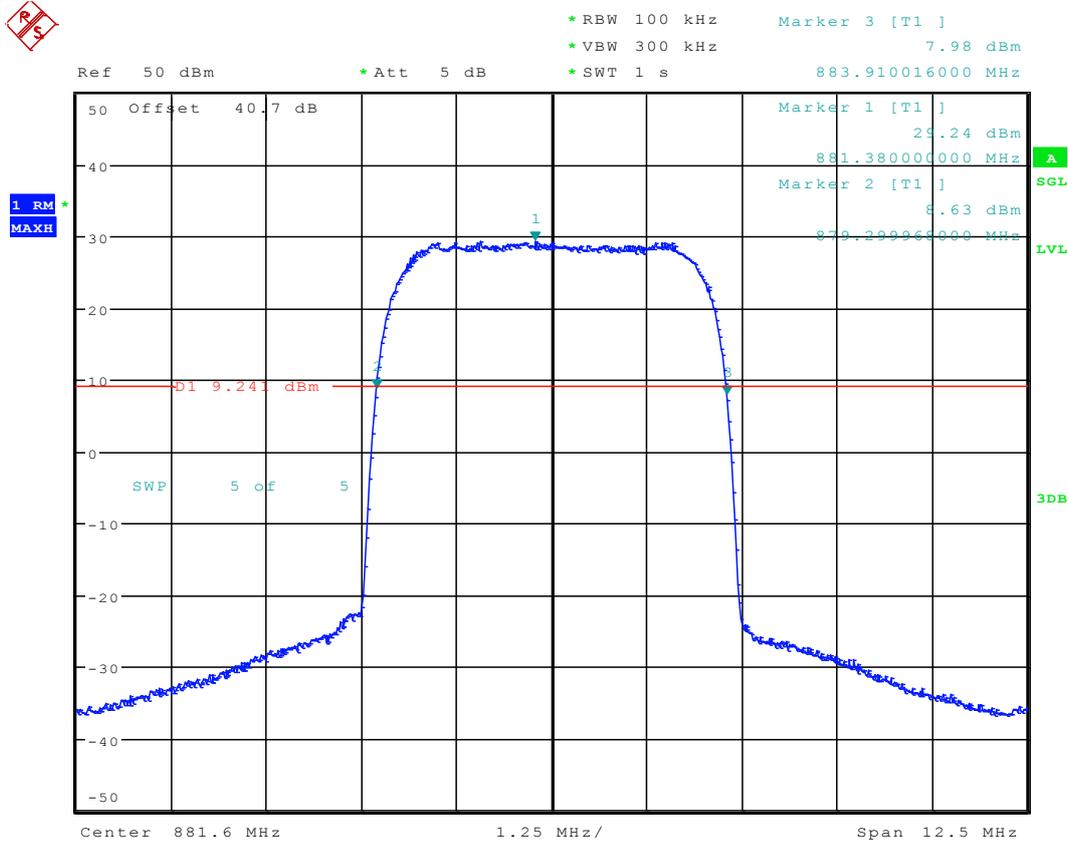
## 2.1.1.2 UMTS system

### 2.1.1.2.1 DL\_1U\_TM1\_M\_ANTA



Date: 8.NOV.2013 15:48:40

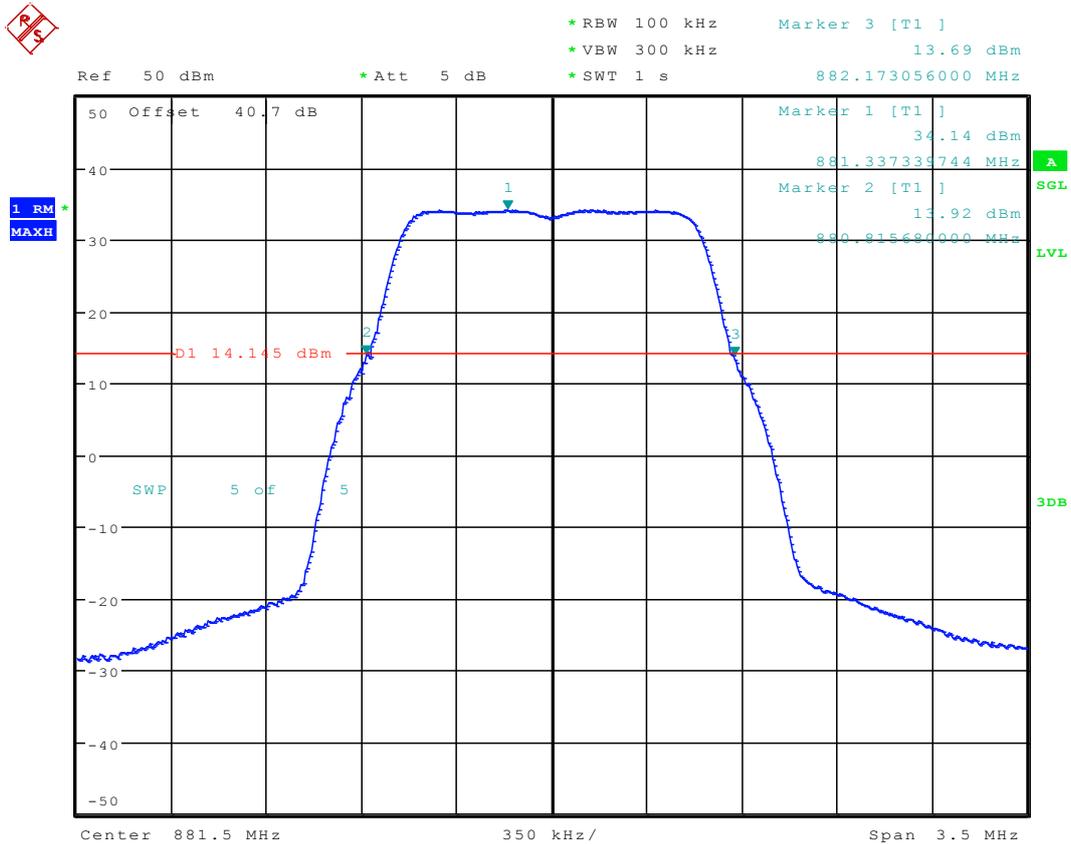
### 2.1.1.2.2 DL\_1U\_TM1\_M\_ANTB



Date: 8.NOV.2013 10:39:03

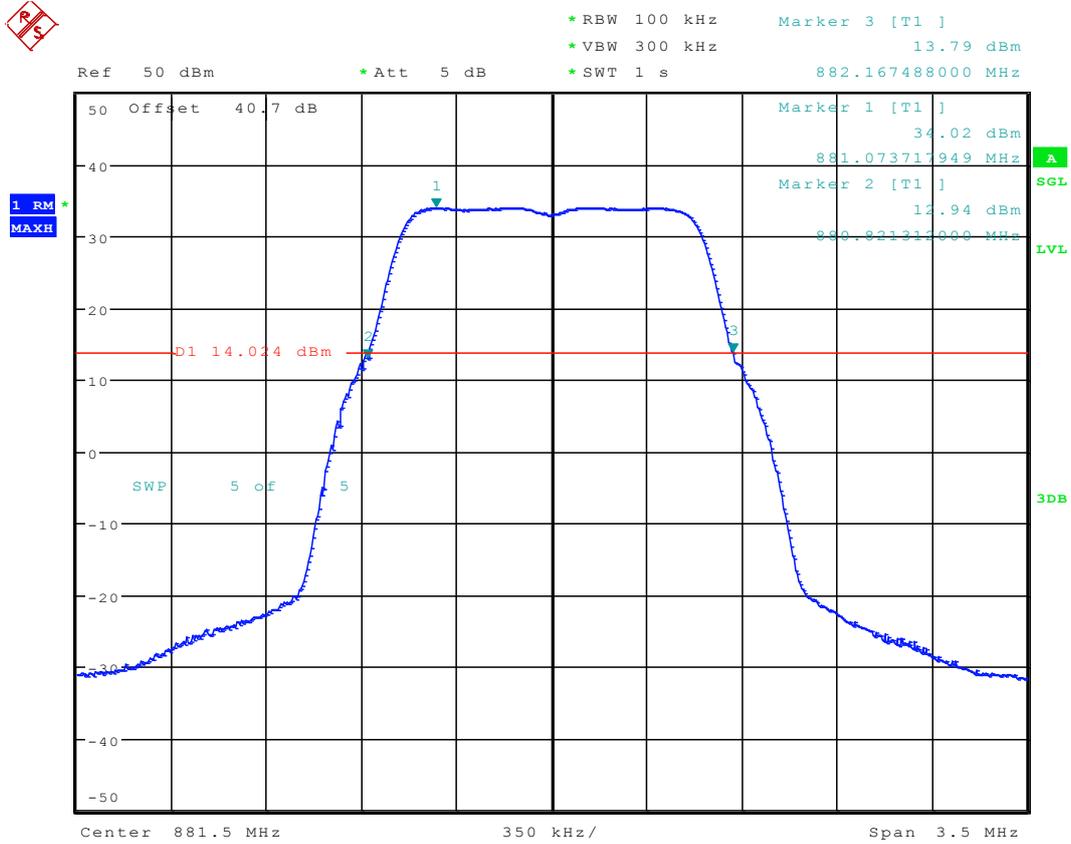
### 2.1.1.3 LTE system

#### 2.1.1.3.1 DL\_1L\_1.4M\_M\_ANTA



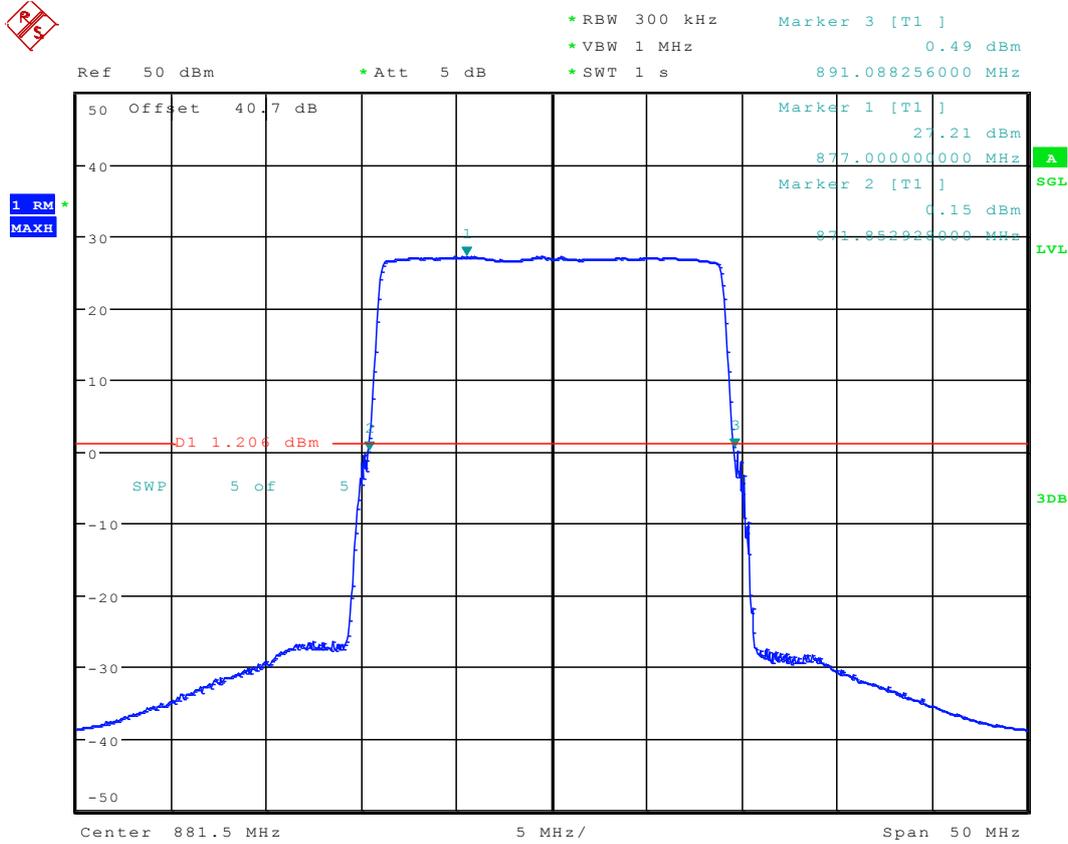
Date: 8.NOV.2013 17:04:59

### 2.1.1.3.2 DL\_1L\_1.4M\_M\_ANTB



Date: 8.NOV.2013 17:17:45

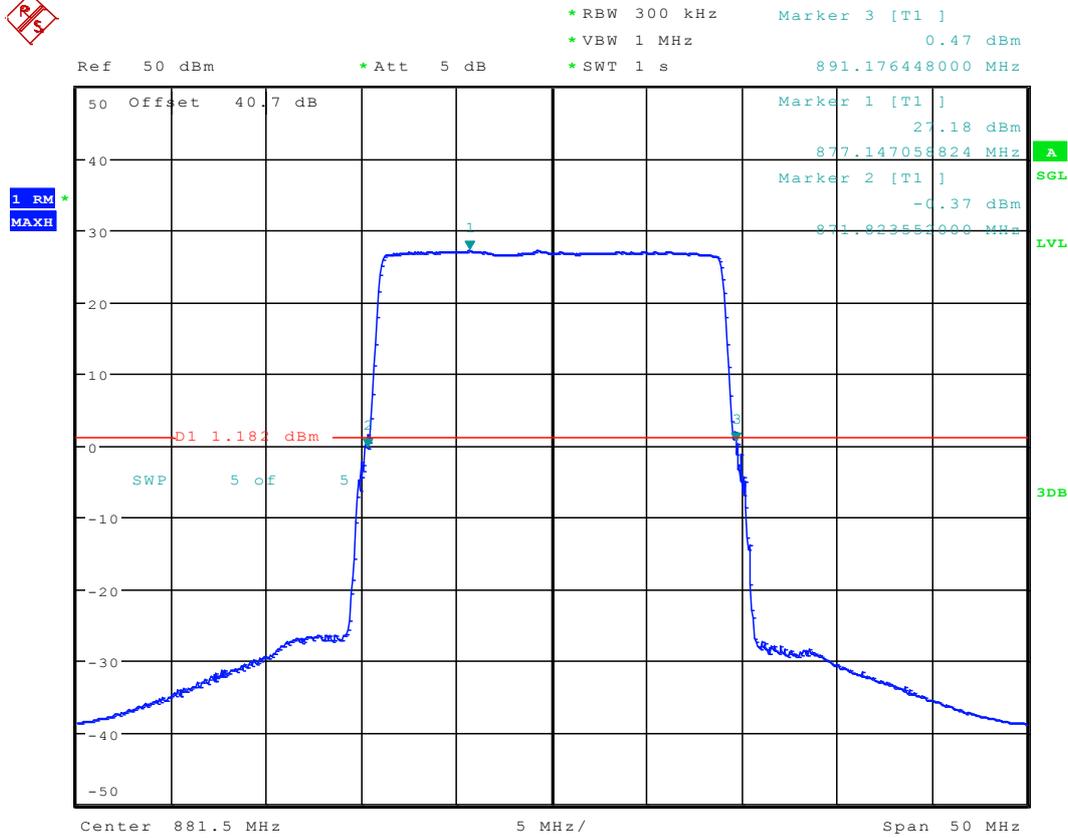
### 2.1.1.3.3 DL\_1L\_20M\_M\_ANTA



Date: 14.NOV.2013 21:59:35



2.1.1.3.4 DL\_1L\_20M\_M\_ANTB



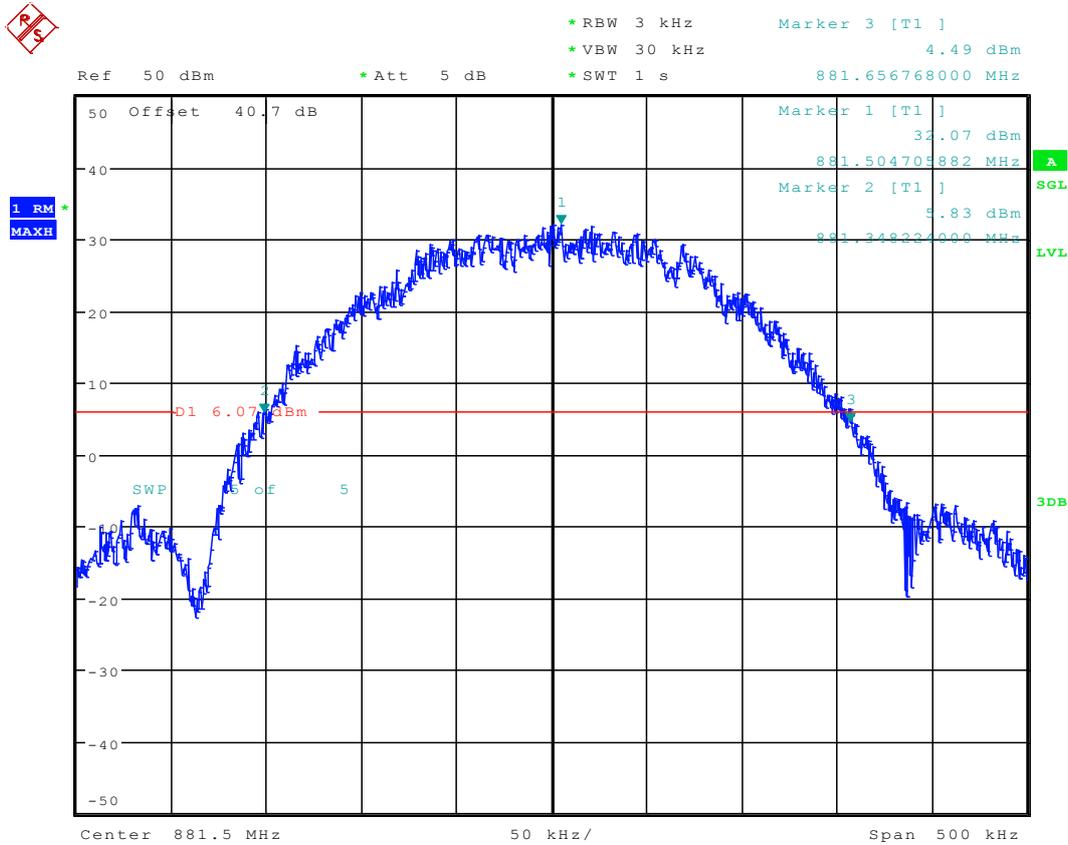
Date: 14.NOV.2013 21:58:54

## 2.2 26dB Bandwidth

### 2.2.1 Uplink Test Plots

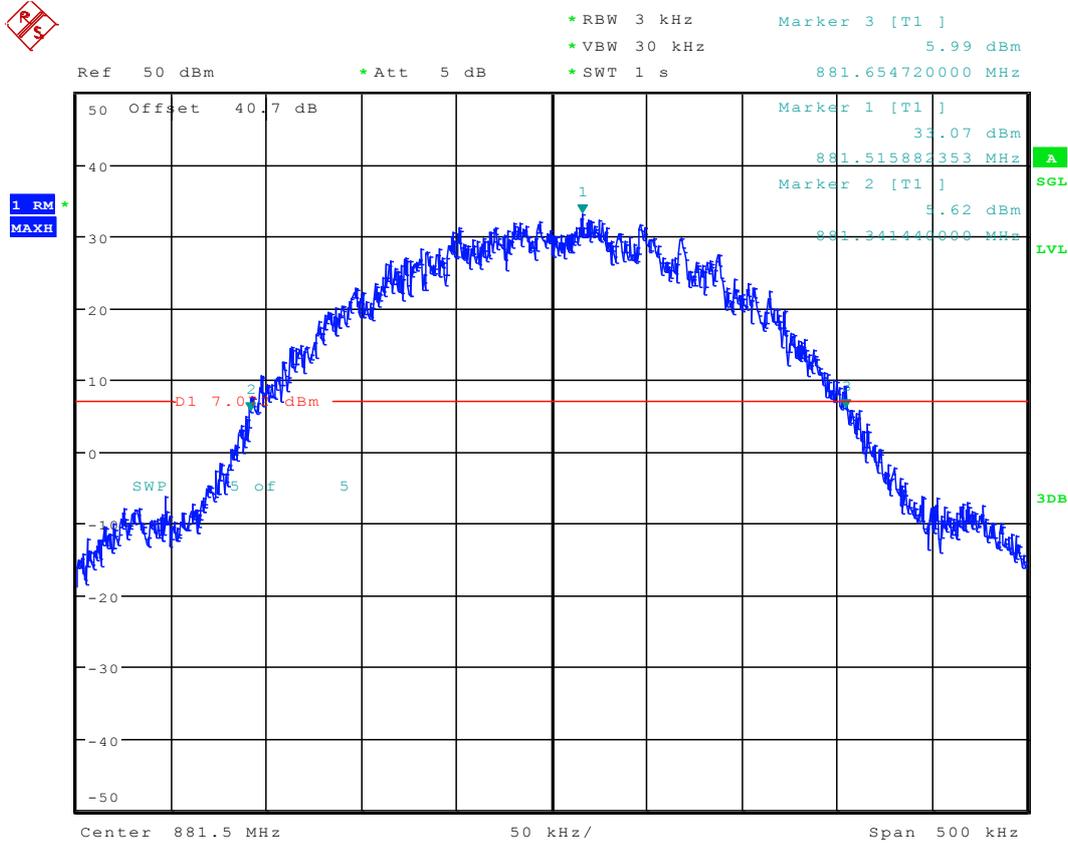
### 2.2.2 Downlink Test Plots

#### 2.2.2.1.1 DL\_1G\_TM1\_M\_ANTA



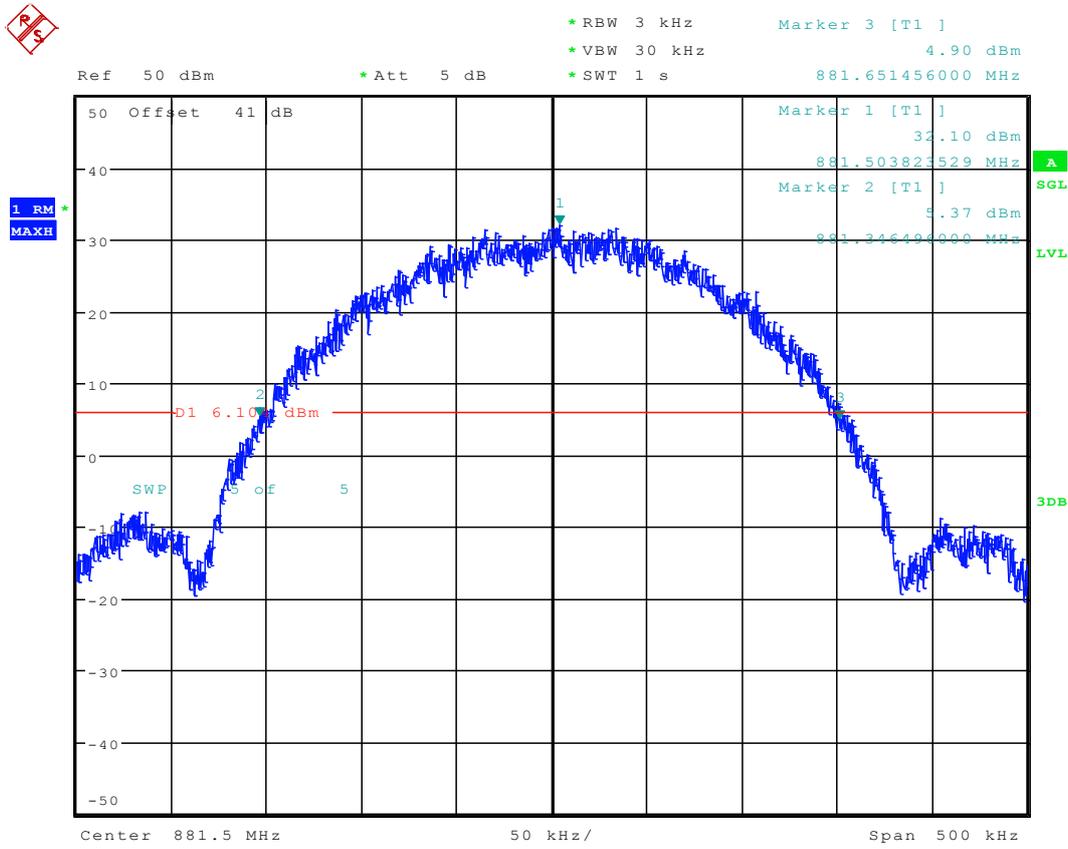
Date: 7.NOV.2013 16:58:10

### 2.2.2.1.2 DL\_1G\_TM1\_M\_ANTB



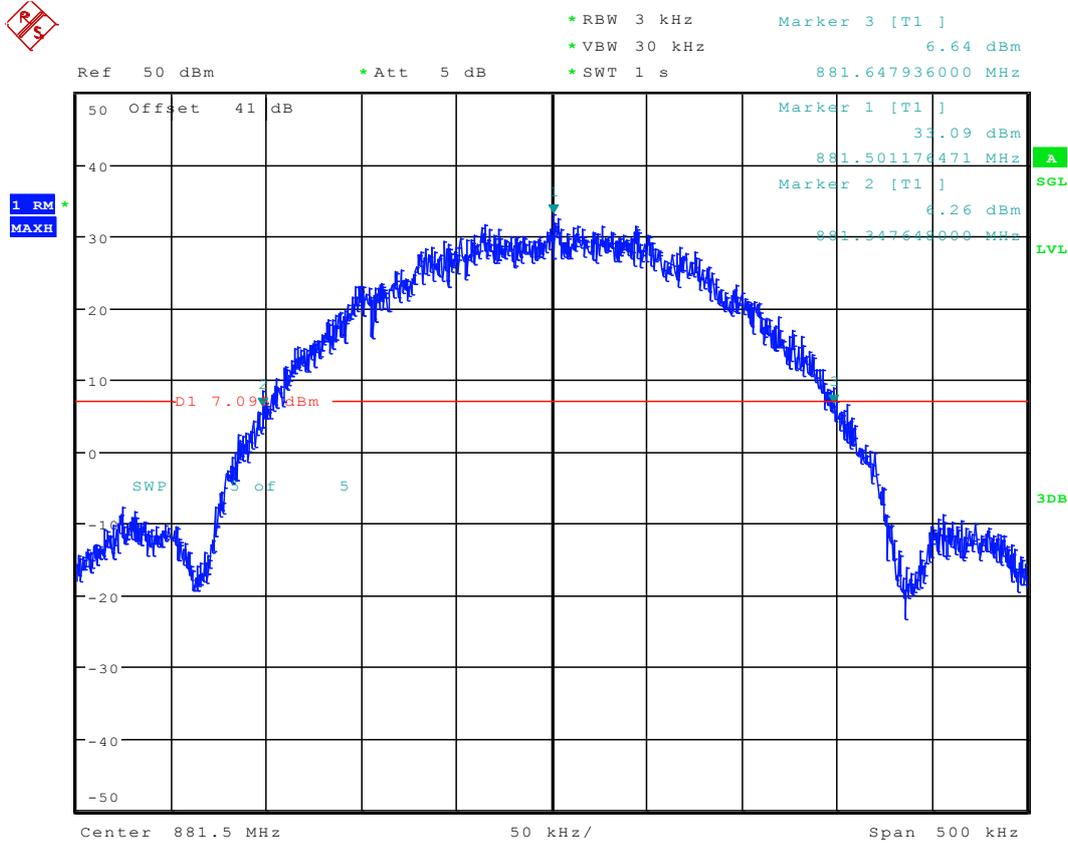
Date: 7.NOV.2013 17:13:59

### 2.2.2.1.3 DL\_1G\_TM2\_M\_ANTA



Date: 3.DEC.2013 16:34:11

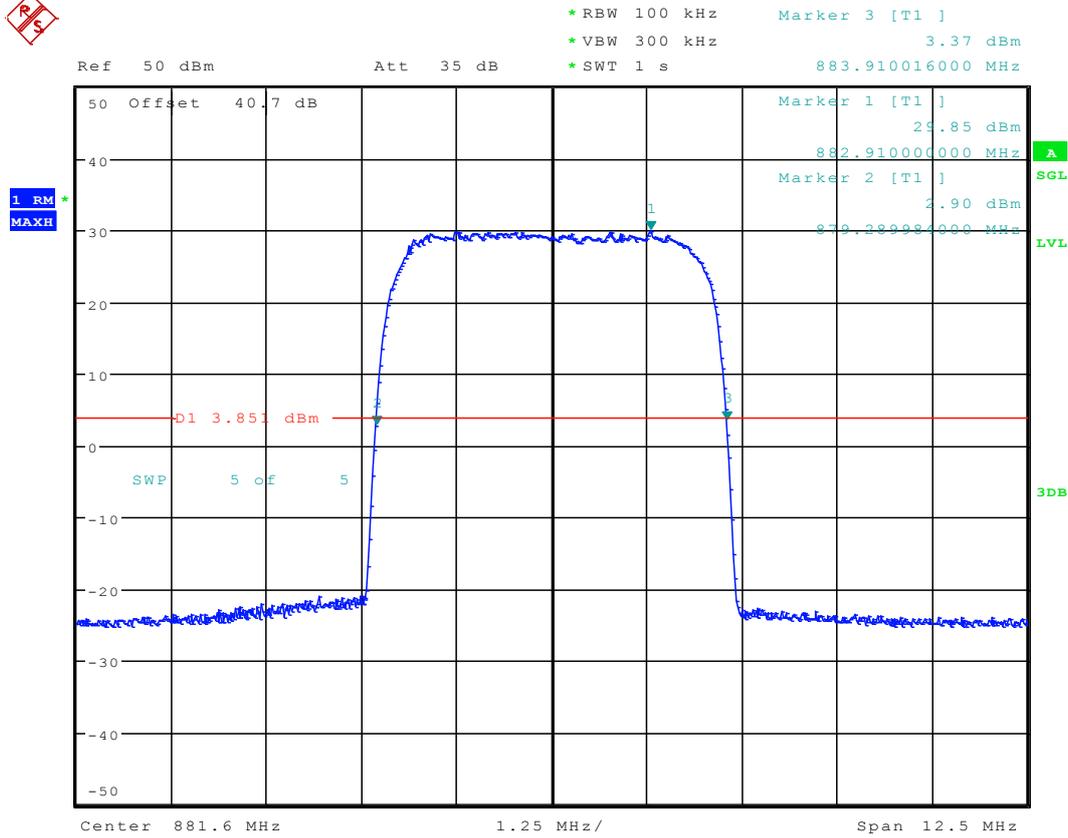
### 2.2.2.1.4 DL\_1G\_TM2\_M\_ANTB



Date: 3.DEC.2013 16:36:05

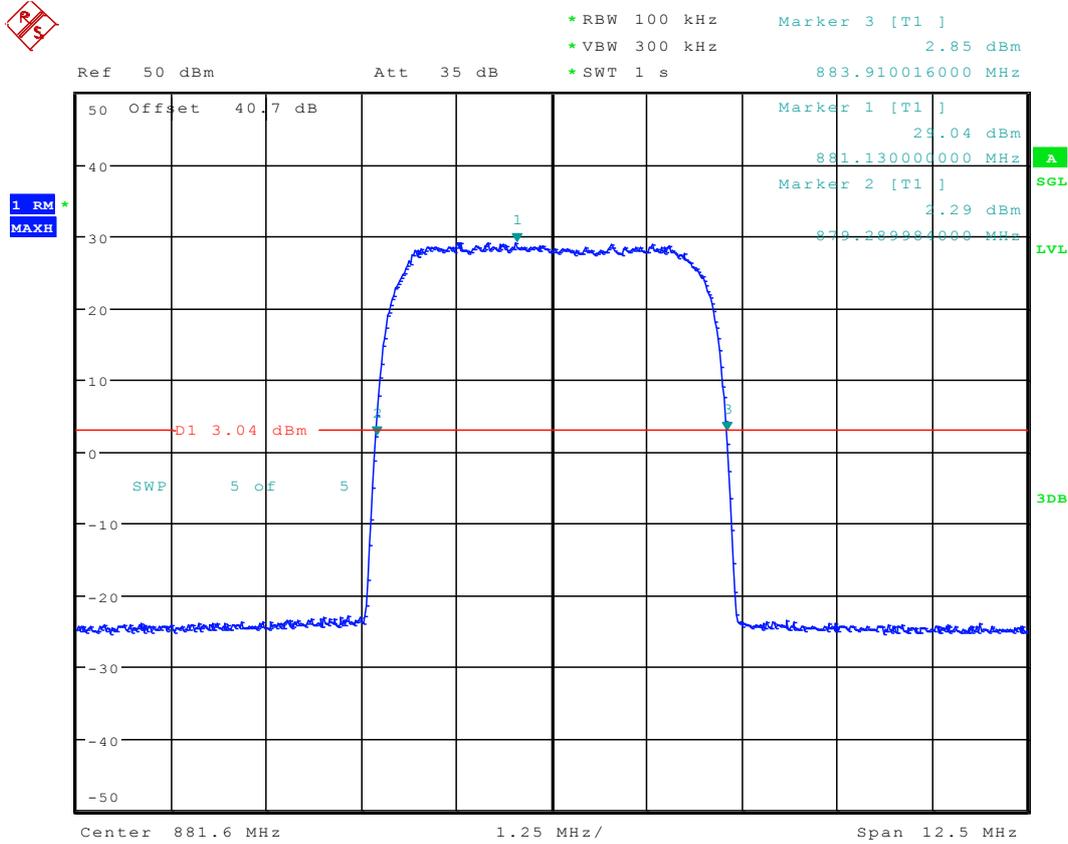
## 2.2.2.2 UMTS system

### 2.2.2.2.1 DL\_1U\_TM1\_M\_ANTA



Date: 20.SEP.2013 12:01:53

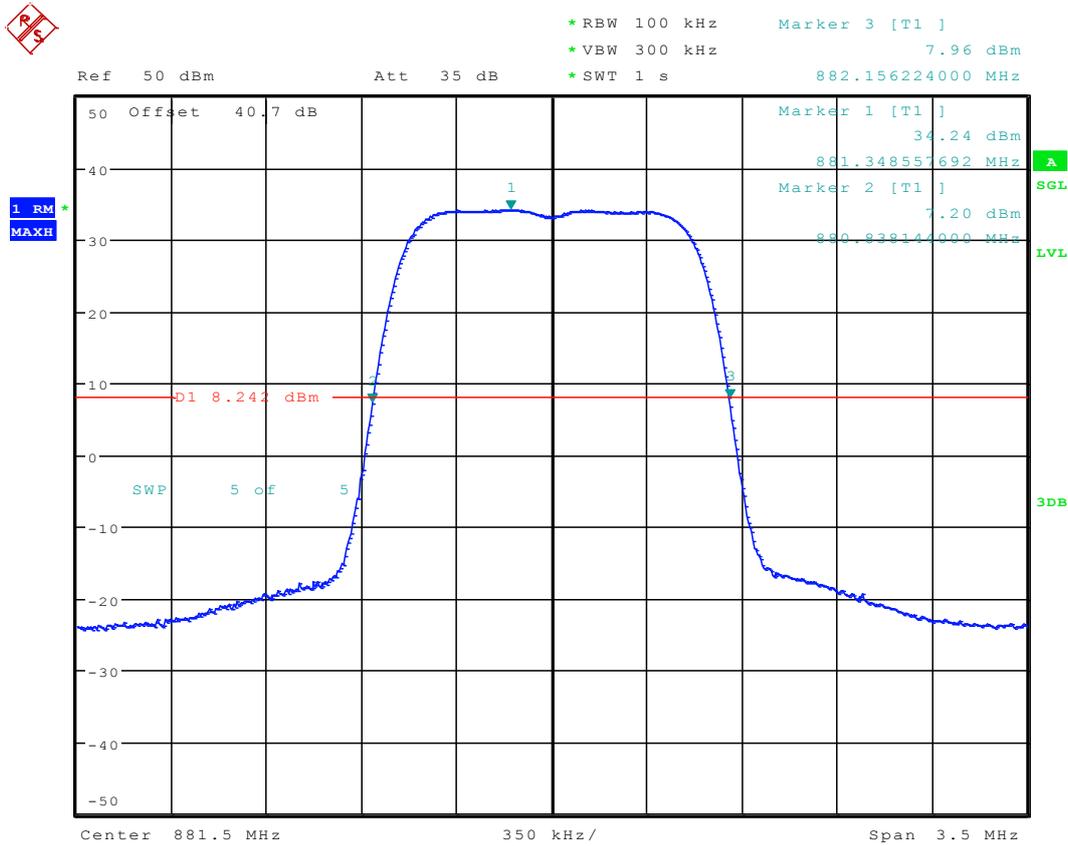
### 2.2.2.2.2 DL\_1U\_TM1\_M\_ANTB



Date: 20.SEP.2013 14:55:09

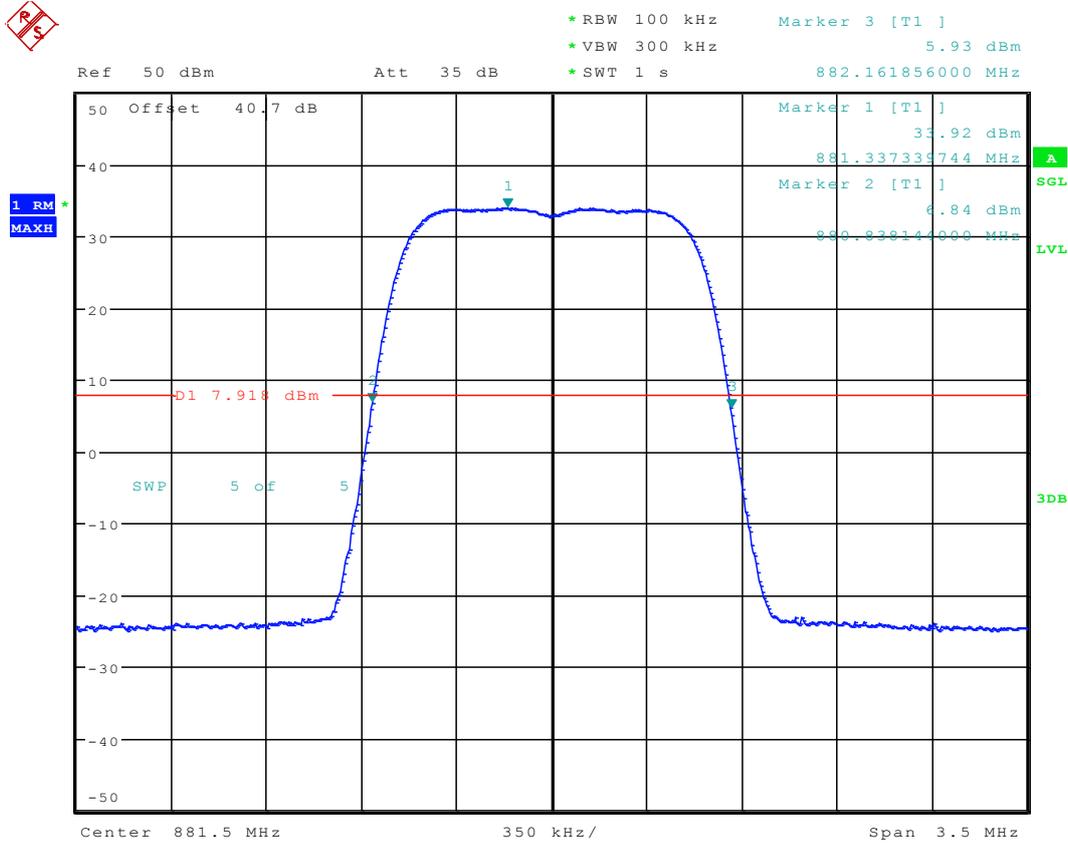
### 2.2.2.3 LTE system

#### 2.2.2.3.1 DL\_1L\_1.4M\_M\_ANTA



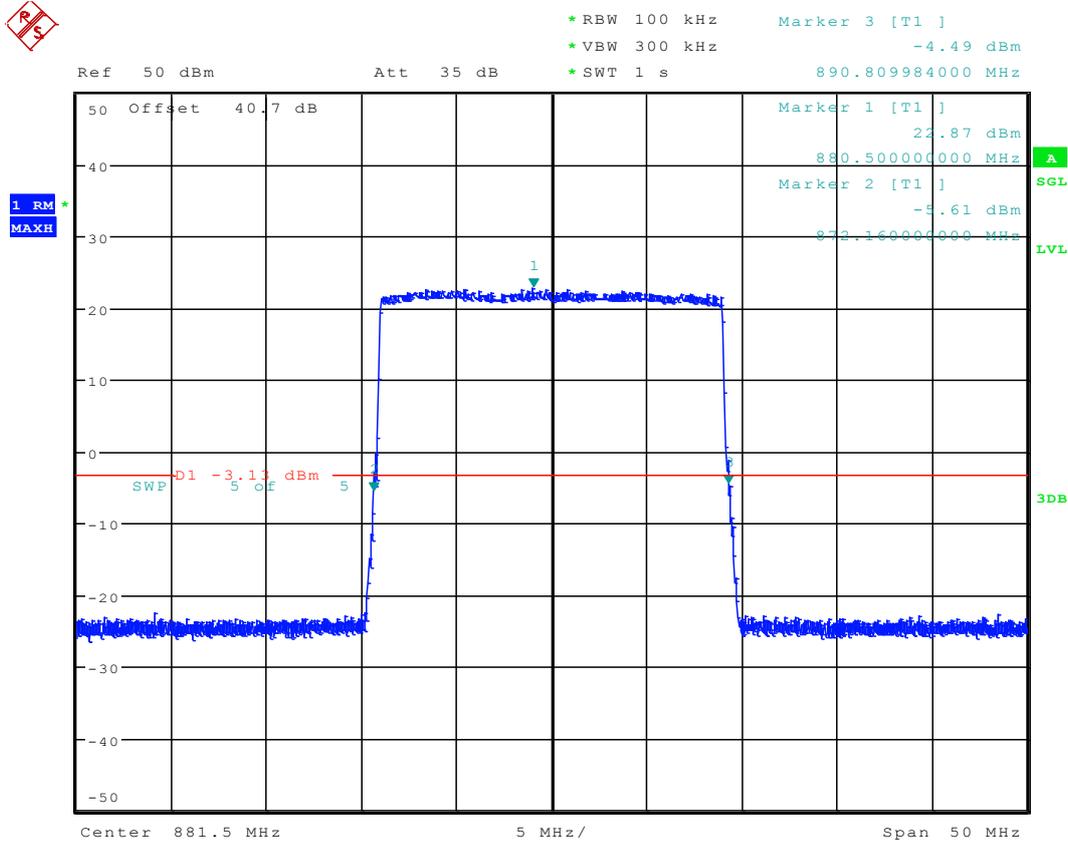
Date: 20.SEP.2013 15:48:15

### 2.2.2.3.2 DL\_1L\_1.4M\_M\_ANTB



Date: 20.SEP.2013 16:06:27

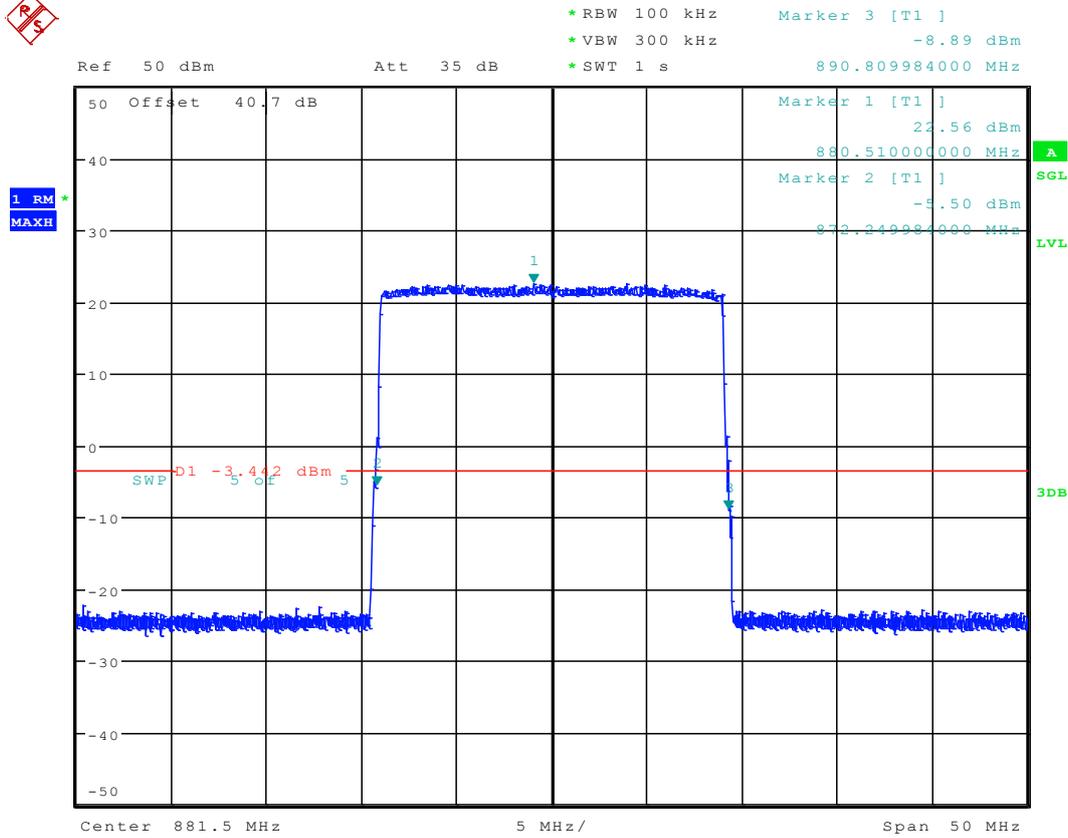
### 2.2.2.3.3 DL\_1L\_20M\_M\_ANTA



Date: 20.SEP.2013 17:33:14



2.2.2.3.4 DL\_1L\_20M\_M\_ANTB



Date: 20.SEP.2013 17:25:09



# Appendix C: Band Edges Compliance

## 1 Result Table

NOTE 1: The offset of measurement filter -3dB point may be considered when identifying the maximum emission for e.g. the CDMA, WCDMA, WiMAX, LTE systems.

NOTE 2: Since the EUT transmits on two antennas simultaneously in the same frequency with MIMO mode, using the measure and minus  $10\log(N)$  technique, so the limits for spurious emissions at antenna terminal should be adjusted with a correction of  $10\log 2$ .

### 1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

### 1.2 Downlink Test Results (without AGC activated)

#### 1.2.1 GSM system

EUT Conf.	Maximum Emission [dBm]	Limit(dBm)	Verdict
DL_1G_TM1_B_ANTA	-39.62	-16	Pass
DL_1G_TM1_B_ANTB	-40.66	-16	Pass
DL_1G_TM1_T_ANTA	-40.96	-16	Pass
DL_1G_TM1_T_ANTB	-37.44	-16	Pass
DL_2G_TM1_B_ANTA	-28.55	-16	Pass
DL_2G_TM1_B_ANTB	-28.77	-16	Pass
DL_2G_TM1_T_ANTA	-28.37	-16	Pass
DL_2G_TM1_T_ANTB	-31.02	-16	Pass

#### 1.2.2 UMTS system

EUT Conf.	Maximum Emission [dBm]	Limit(dBm)	Verdict
DL_1U_TM1_B_ANTA	-25.20	-16	Pass
DL_1U_TM1_B_ANTB	-24.91	-16	Pass
DL_1U_TM1_T_ANTA	-20.28	-16	Pass
DL_1U_TM1_T_ANTB	-23.91	-16	Pass
DL_2U_TM1_B_ANTA	-23.41	-16	Pass
DL_2U_TM1_B_ANTB	-23.98	-16	Pass
DL_2U_TM1_T_ANTA	-17.36	-16	Pass
DL_2U_TM1_T_ANTB	-23.30	-16	Pass

#### 1.2.3 LTE system

EUT Conf.	Maximum Emission [dBm]	Limit(dBm)	Verdict
DL_1L_1.4M_B_ANTA	-16.37	-16	Pass
DL_1L_1.4M_B_ANTB	-19.01	-16	Pass
DL_1L_1.4M_T_ANTA	-16.53	-16	Pass
DL_1L_1.4M_T_ANTB	-16.55	-16	Pass
DL_2L_1.4M_B_ANTA	-28.30	-16	Pass
DL_2L_1.4M_B_ANTB	-23.65	-16	Pass
DL_2L_1.4M_T_ANTA	-20.01	-16	Pass
DL_2L_1.4M_T_ANTB	-27.19	-16	Pass

### 1.3 Downlink Test Results (input signal +10dB with AGC activated)

#### 1.3.1 GSM system

EUT Conf.	Maximum Emission [dBm]	Limit(dBm)	Verdict
DL_2G_TM1_B_ANTA	-23.47	-16	Pass
DL_2G_TM1_B_ANTB	-27.90	-16	Pass
DL_2G_TM1_T_ANTA	-33.77	-16	Pass
DL_2G_TM1_T_ANTB	-34.22	-16	Pass

#### 1.3.2 UMTS system

EUT Conf.	Maximum Emission [dBm]	Limit(dBm)	Verdict
DL_2U_TM1_B_ANTA	-25.80	-16	Pass
DL_2U_TM1_B_ANTB	-25.62	-16	Pass
DL_2U_TM1_T_ANTA	-25.45	-16	Pass
DL_2U_TM1_T_ANTB	-25.84	-16	Pass

#### 1.3.3 LTE system

EUT Conf.	Maximum Emission [dBm]	Limit(dBm)	Verdict
DL_2L_1.4M_B_ANTA	-26.98	-16	Pass
DL_2L_1.4M_B_ANTB	-24.35	-16	Pass
DL_2L_1.4M_T_ANTA	-23.48	-16	Pass
DL_2L_1.4M_T_ANTB	-25.05	-16	Pass



## 2 Test Plot

### 2.1 Uplink Test Plots

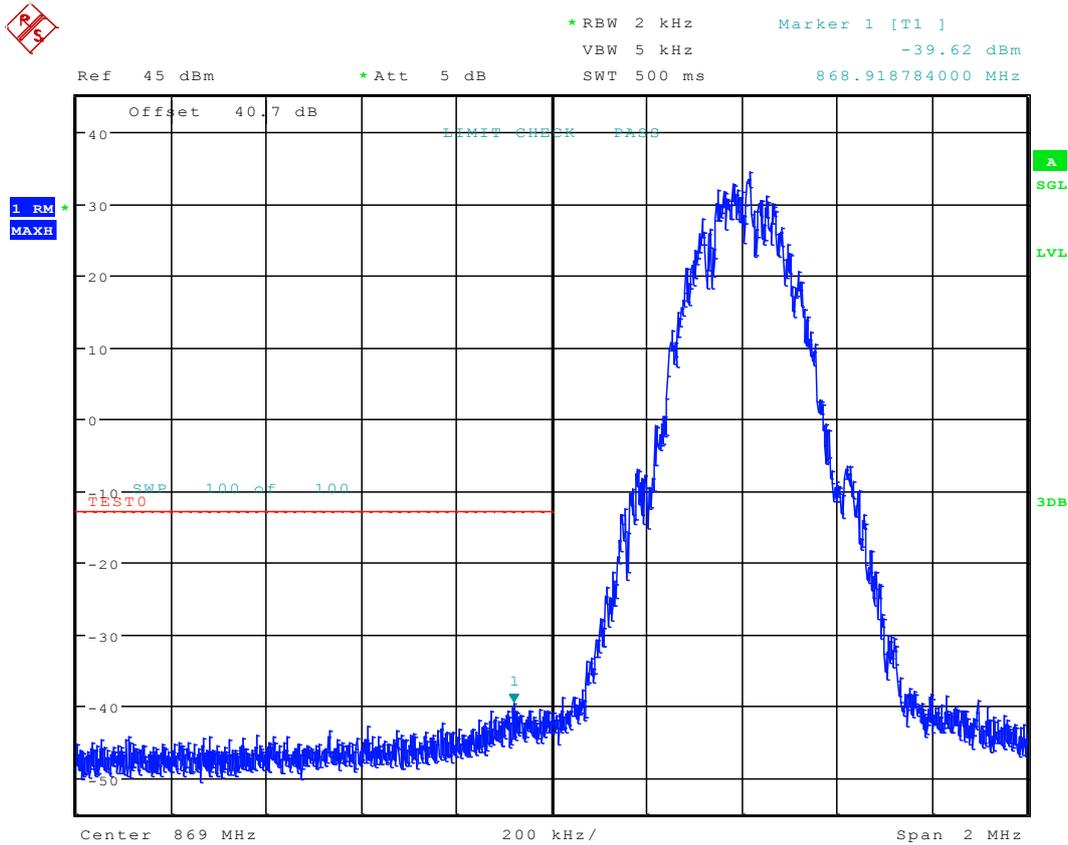
Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

## 2.2 Downlink Test Plots (without AGC activated)

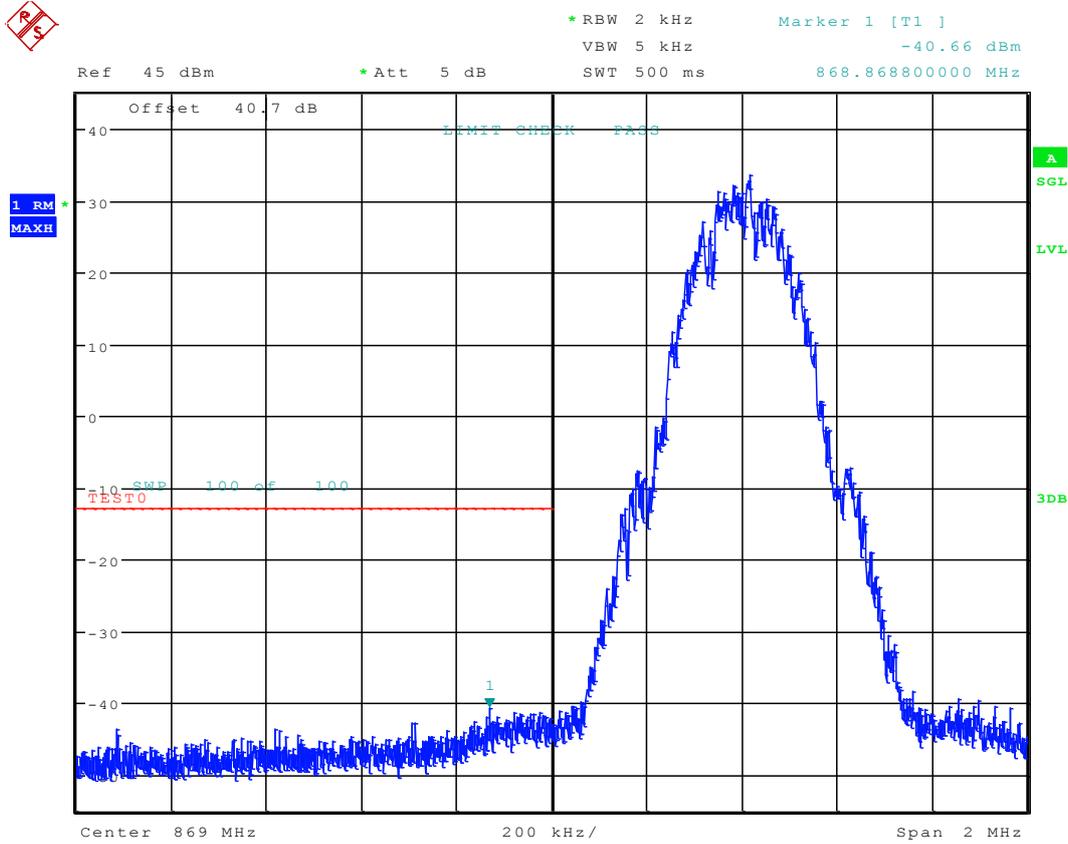
### 2.2.1 GSM system

#### 2.2.1.1 DL\_1G\_TM1\_B\_ANT



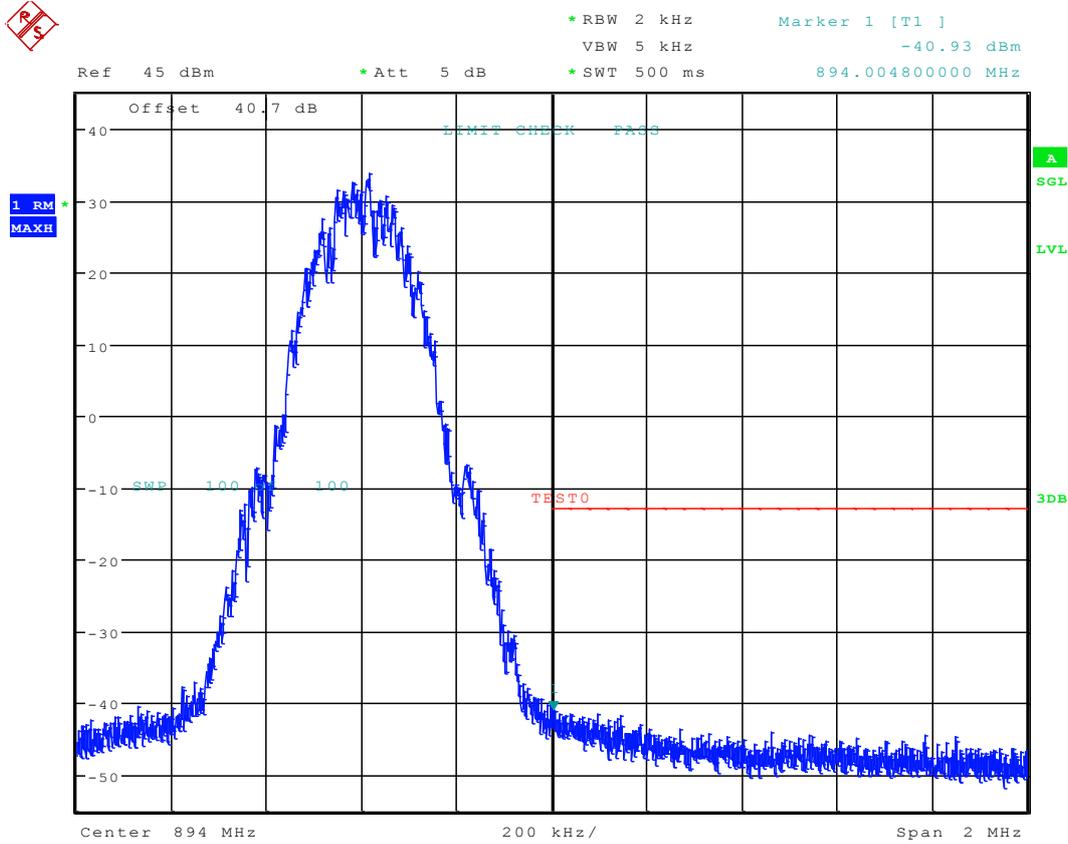
Date: 18.SEP.2013 17:17:22

### 2.2.1.2 DL\_1G\_TM1\_B\_ANTB



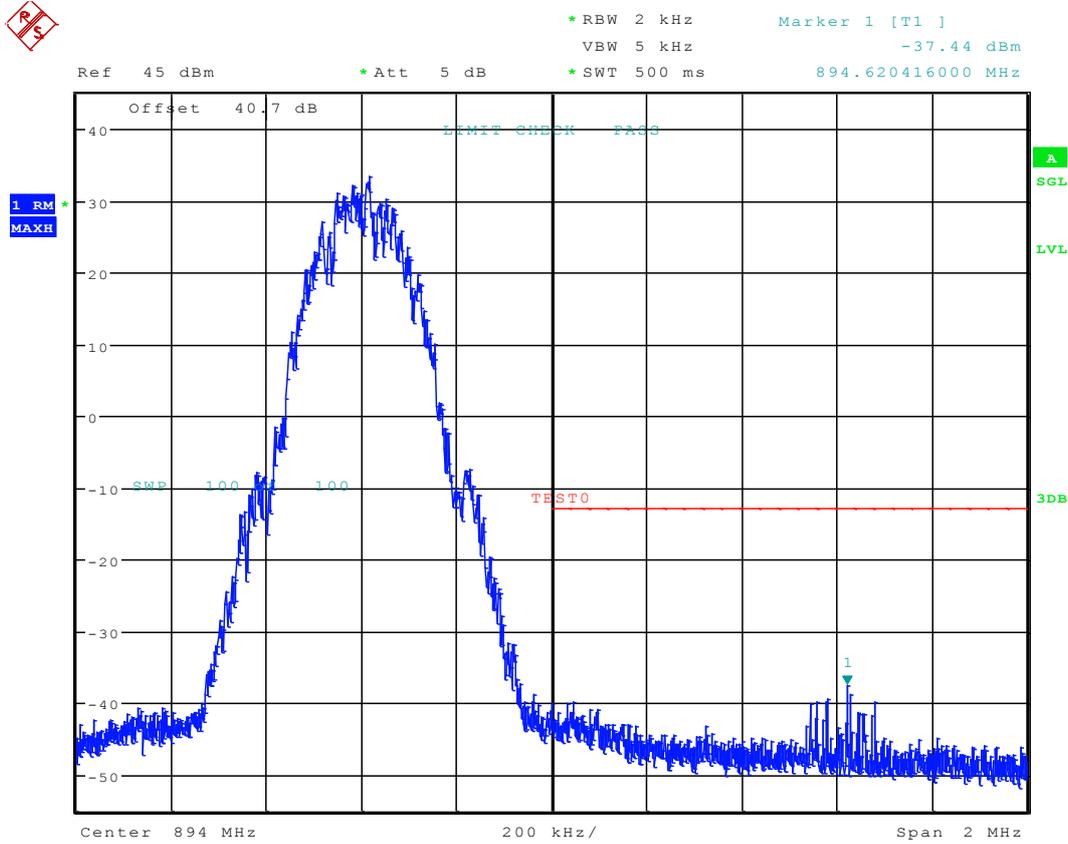
Date: 20.SEP.2013 11:05:38

### 2.2.1.3 DL\_1G\_TM1\_T\_ANTA



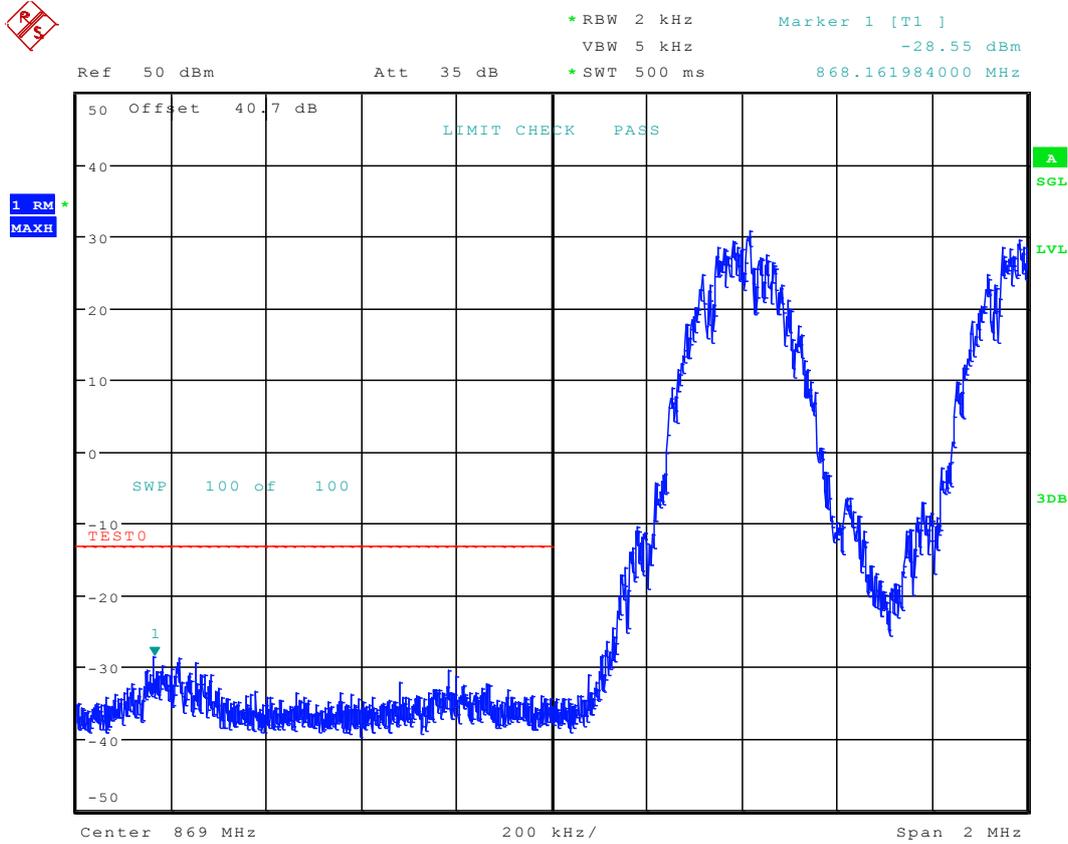
Date: 20.SEP.2013 11:14:18

### 2.2.1.4 DL\_1G\_TM1\_T\_ANTB



Date: 20.SEP.2013 10:46:42

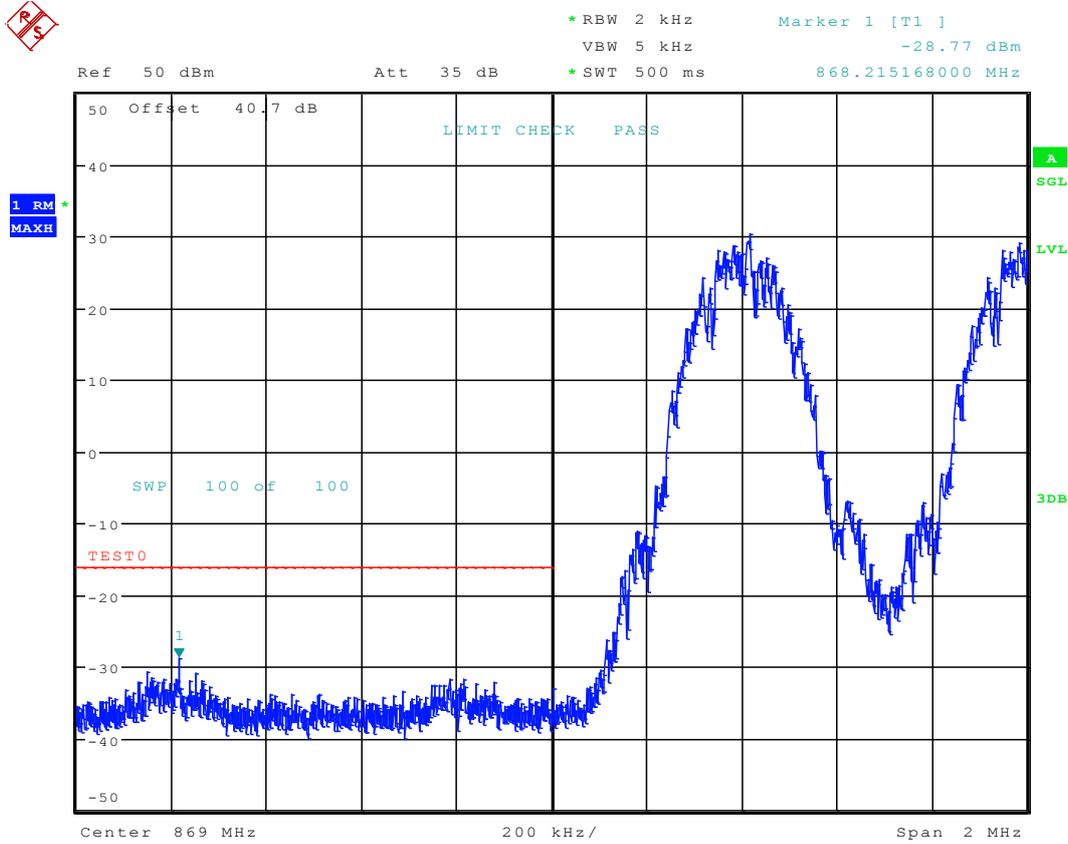
### 2.2.1.5 DL\_2G\_TM1\_B\_ANTA



Date: 23.SEP.2013 11:11:55

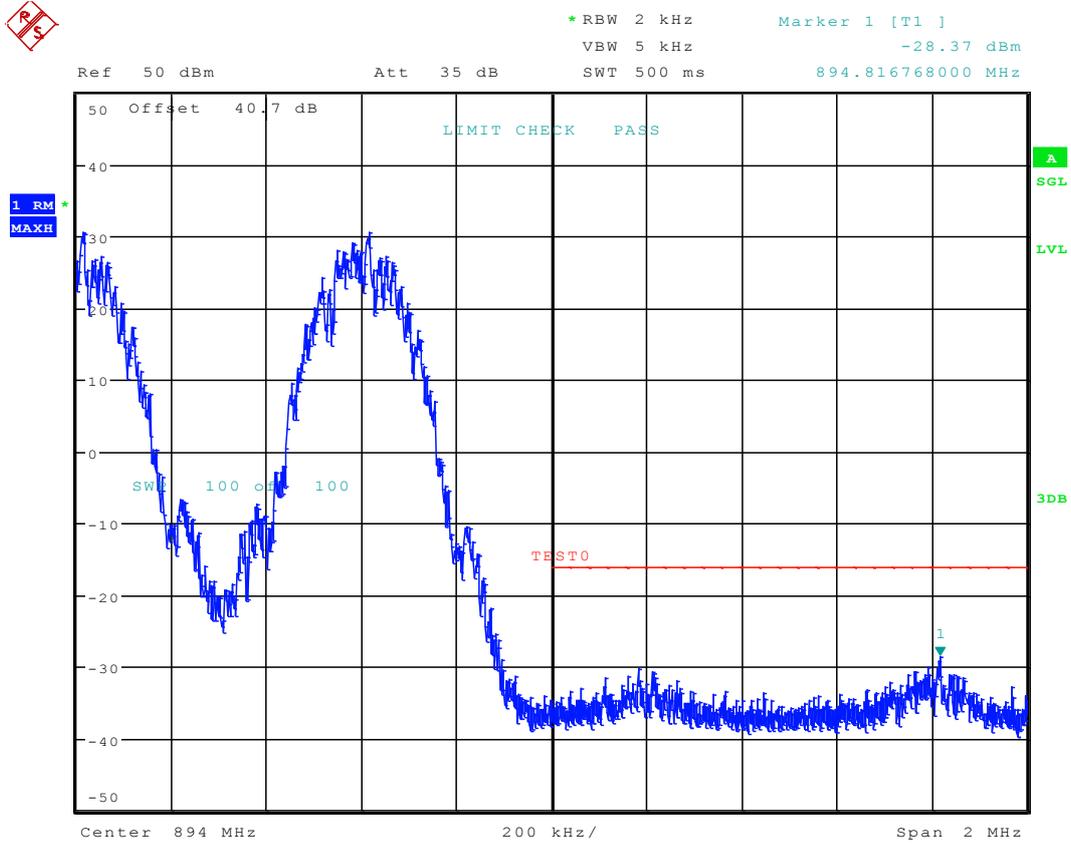


### 2.2.1.6 DL\_2G\_TM1\_B\_ANTB



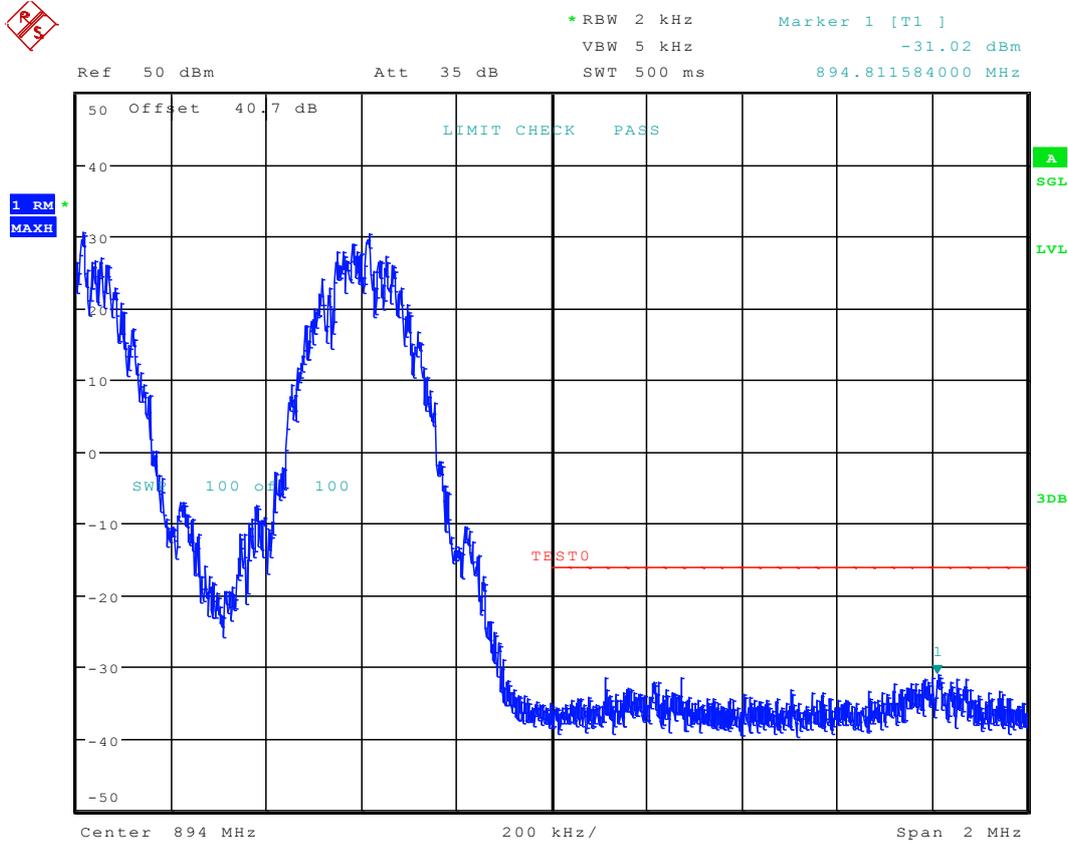
Date: 23.SEP.2013 12:28:43

### 2.2.1.7 DL\_2G\_TM1\_T\_ANTA



Date: 23.SEP.2013 12:12:32

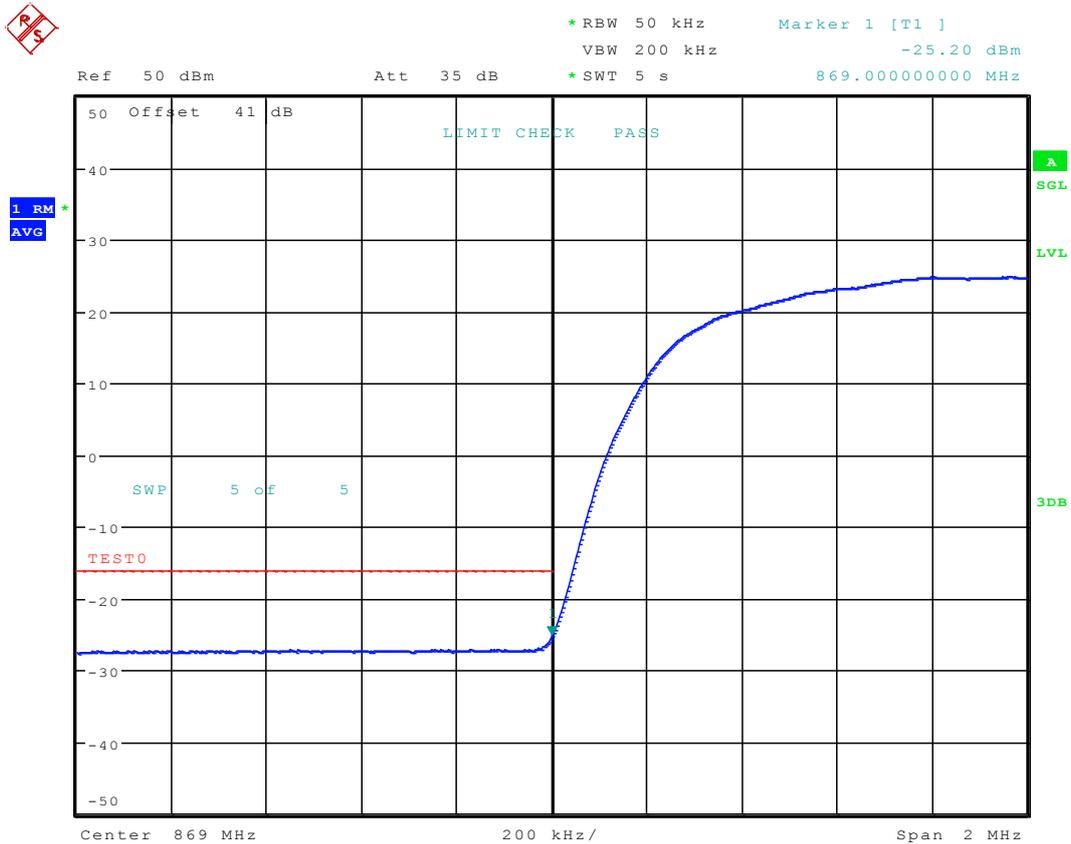
### 2.2.1.8 DL\_2G\_TM1\_T\_ANTB



Date: 23.SEP.2013 12:34:00

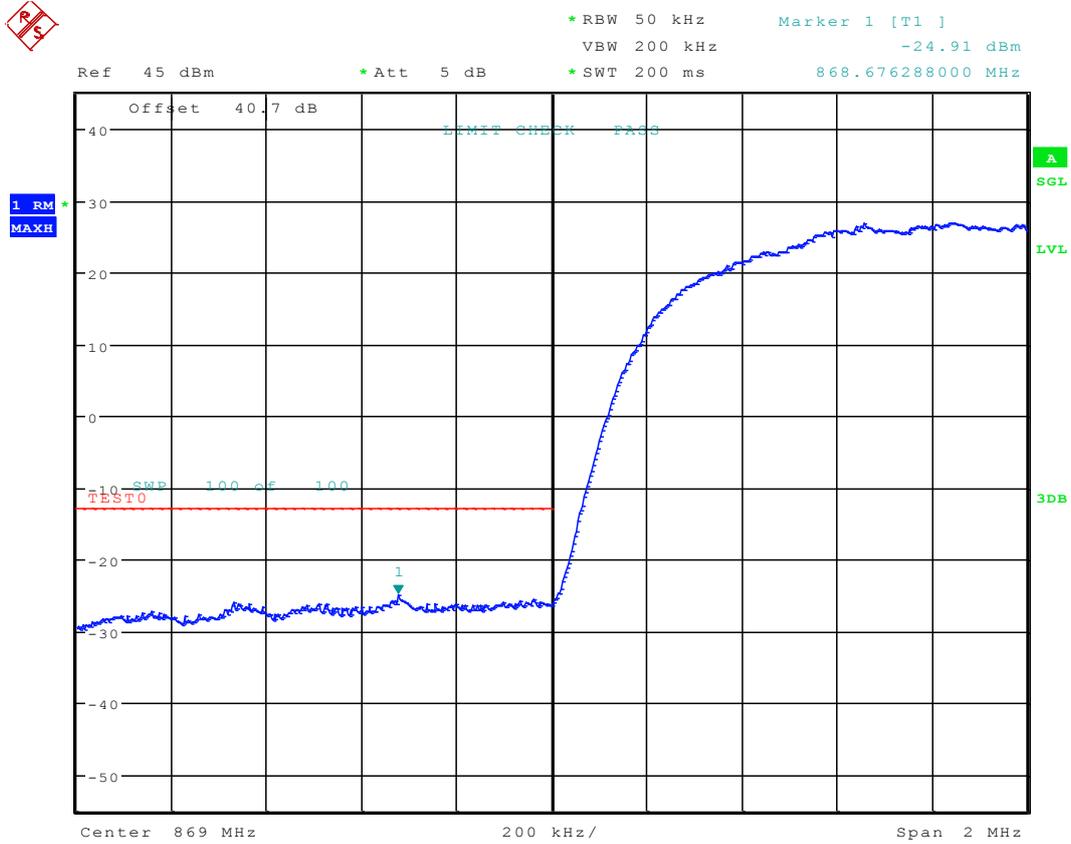
## 2.2.2 UMTS system

### 2.2.2.1 DL\_1U\_TM1\_B\_ANTA



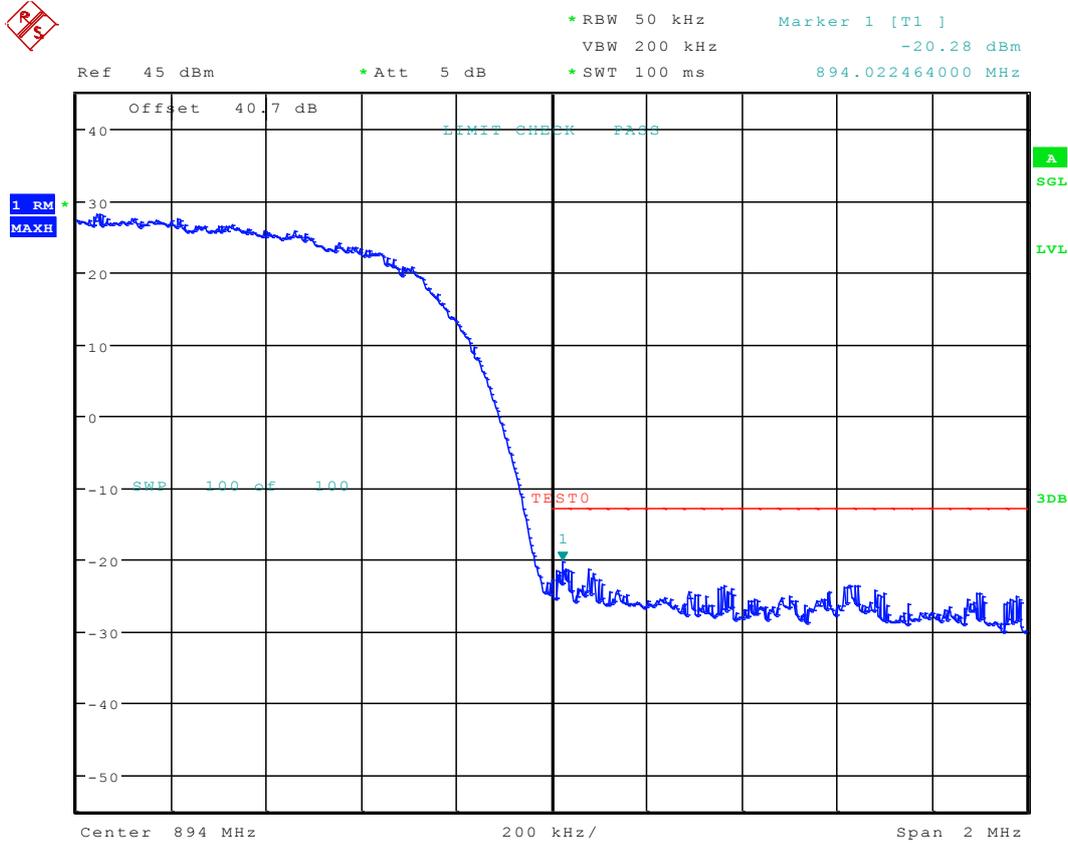
Date: 3.DEC.2013 16:47:46

### 2.2.2.2 DL\_1U\_TM1\_B\_ANTB



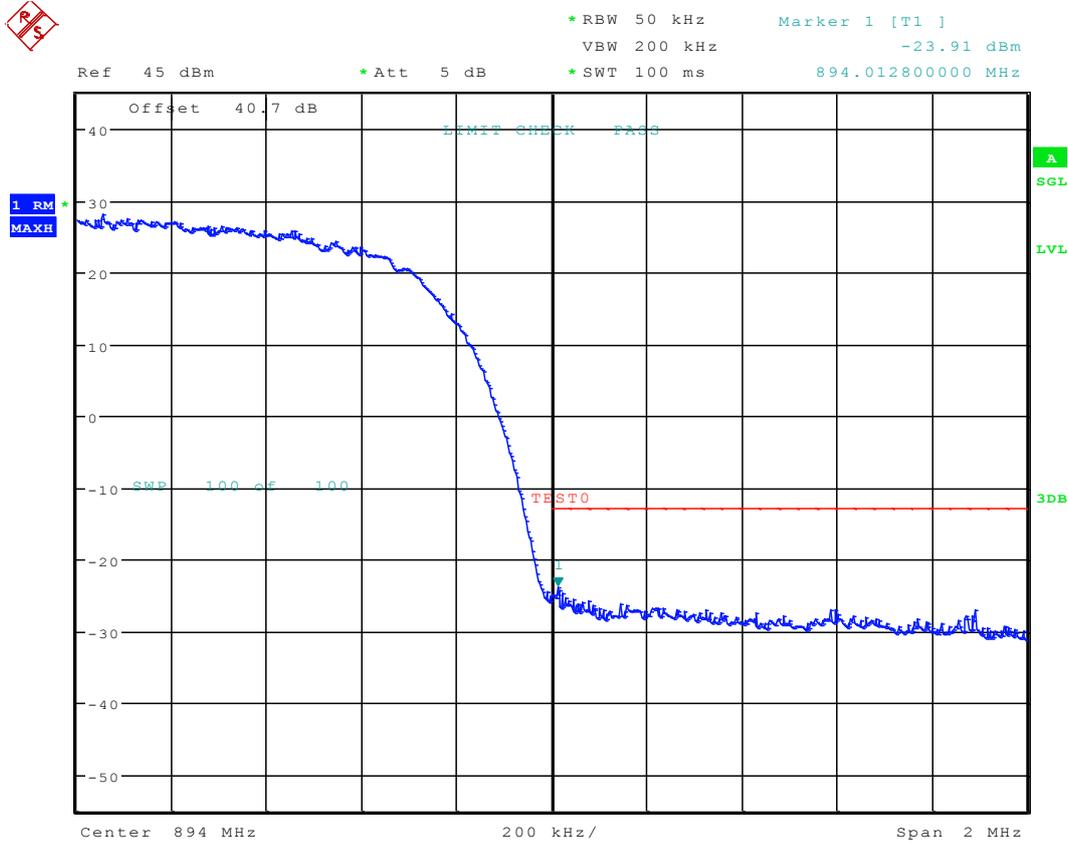
Date: 20.SEP.2013 15:10:23

### 2.2.2.3 DL\_1U\_TM1\_T\_ANTA



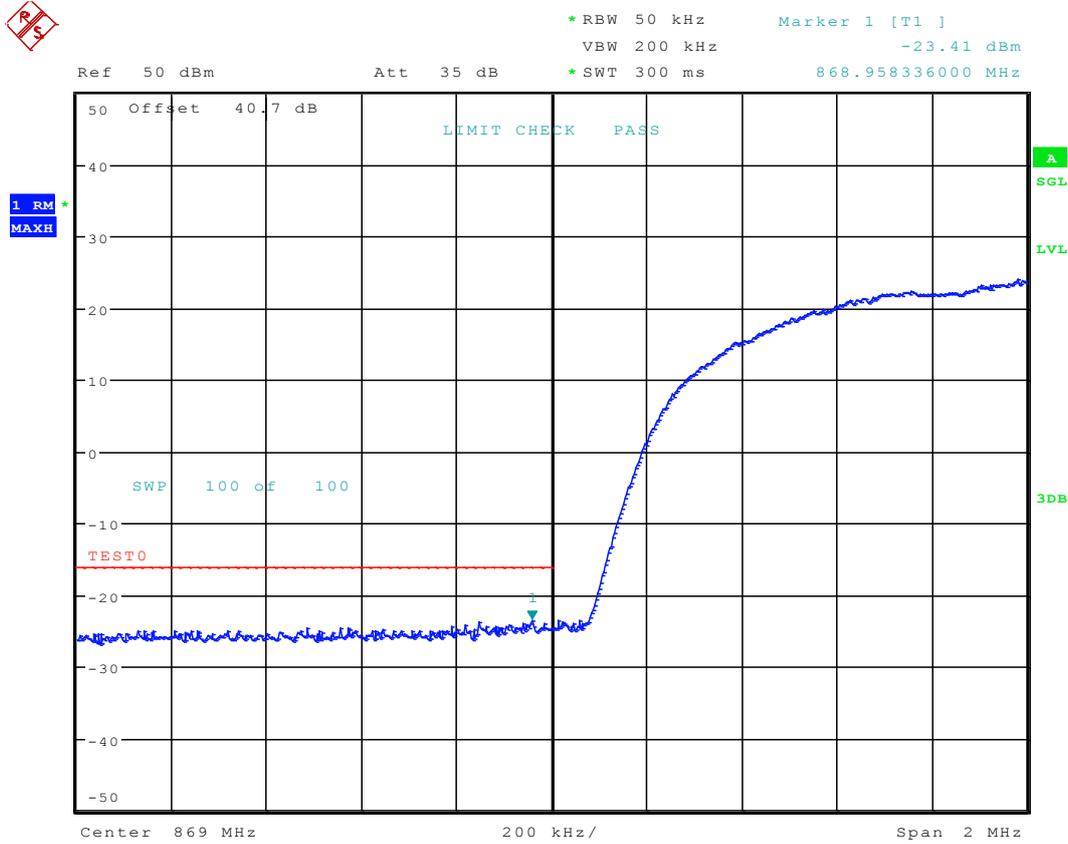
Date: 20.SEP.2013 12:04:46

### 2.2.2.4 DL\_1U\_TM1\_T\_ANTB



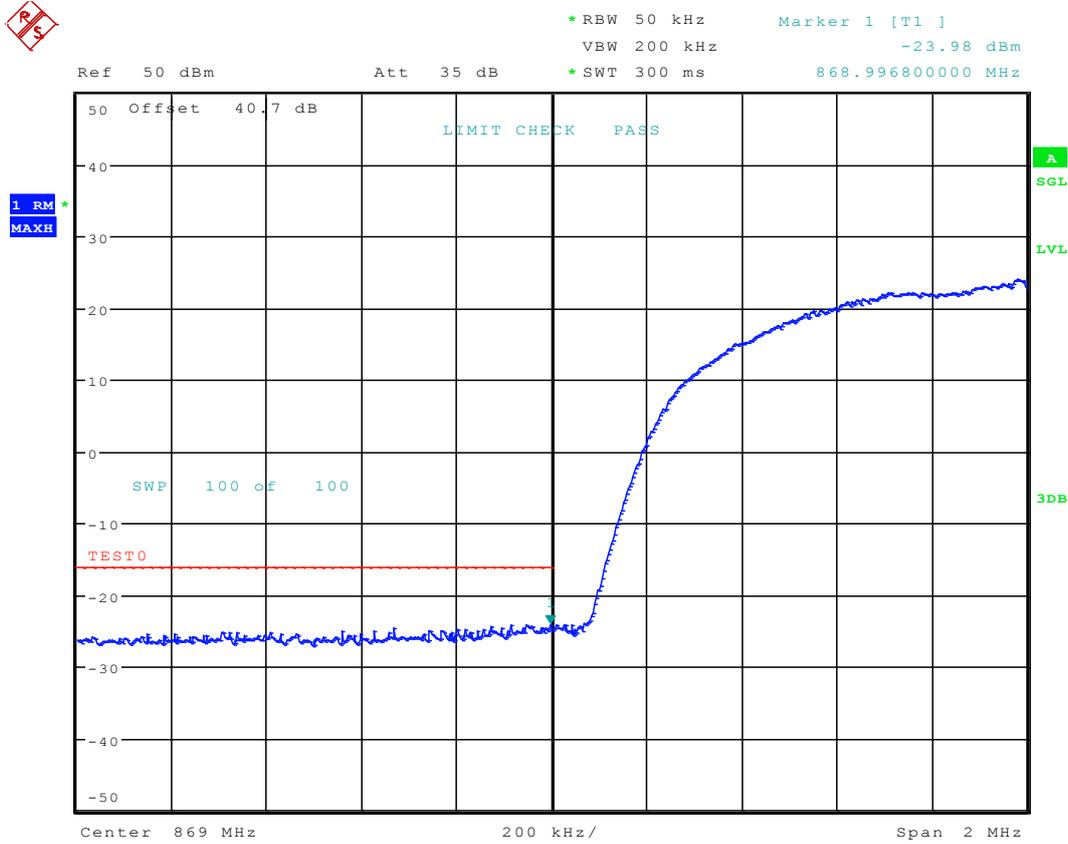
Date: 20.SEP.2013 15:00:11

### 2.2.2.5 DL\_2U\_TM1\_B\_ANTA



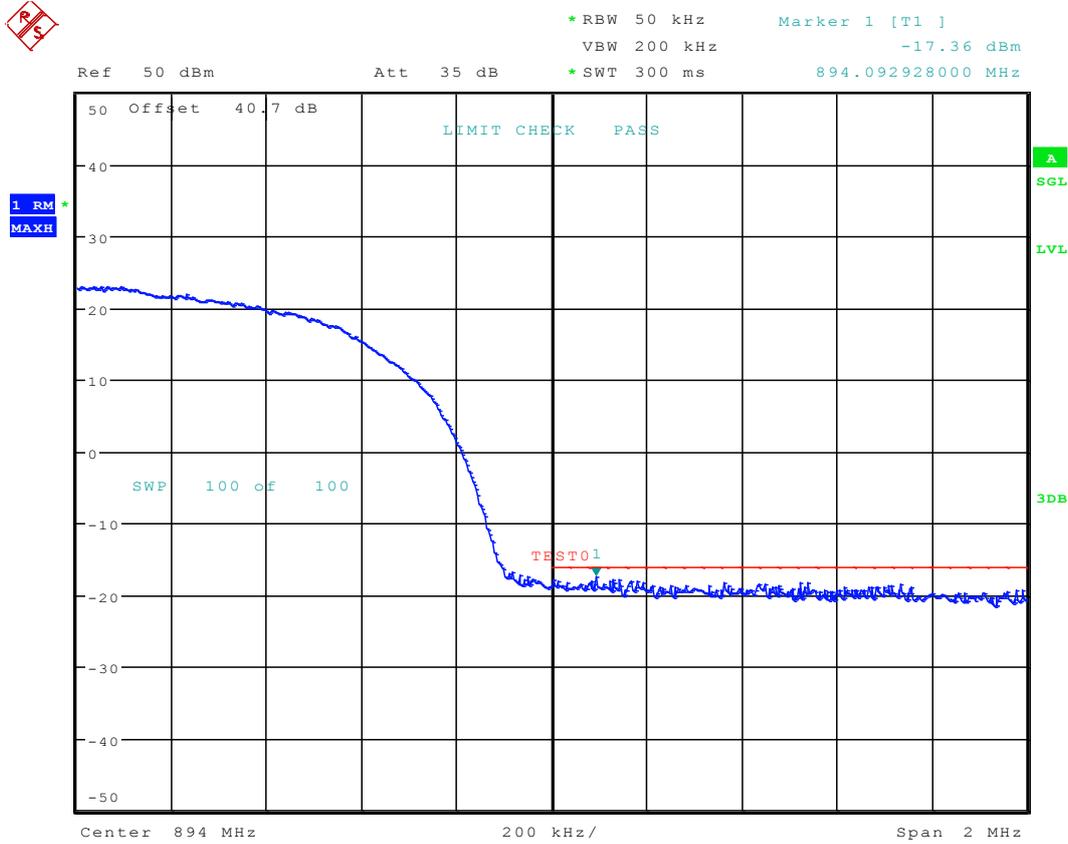
Date: 23.SEP.2013 14:56:55

### 2.2.2.6 DL\_2U\_TM1\_B\_ANTB



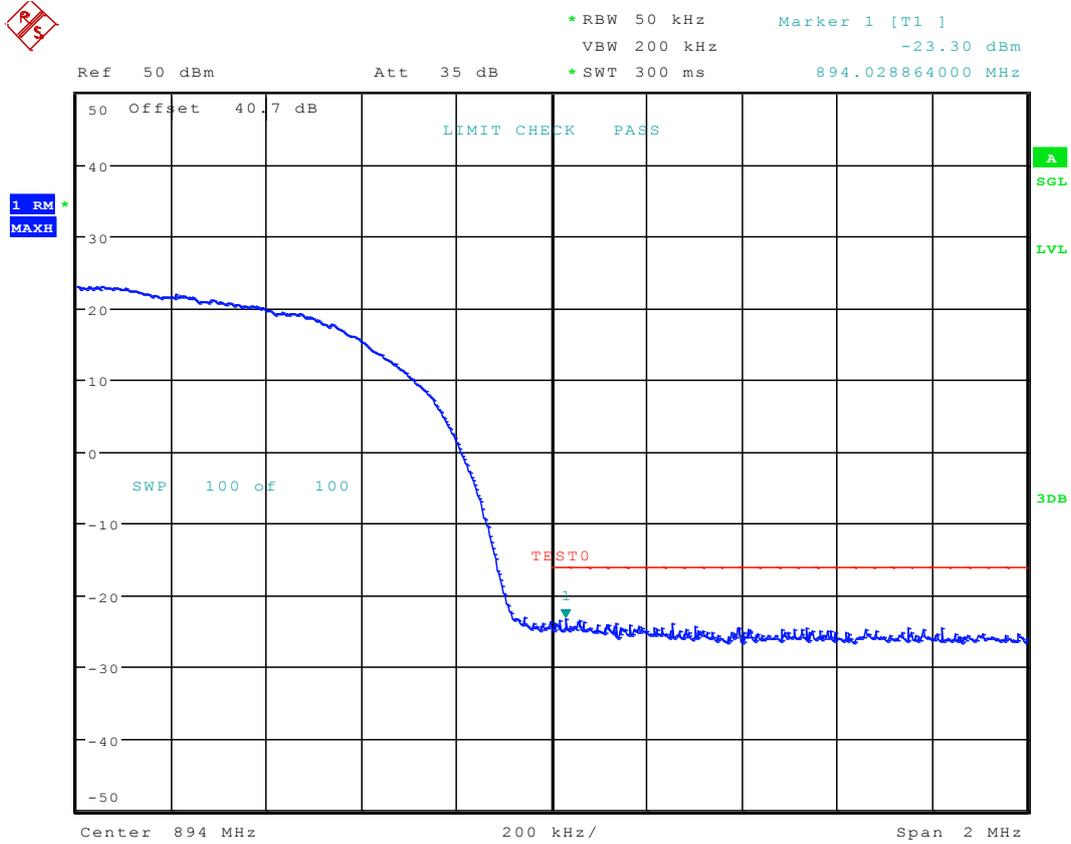
Date: 23.SEP.2013 14:44:10

### 2.2.2.7 DL\_2U\_TM1\_T\_ANTA



Date: 23.SEP.2013 15:02:56

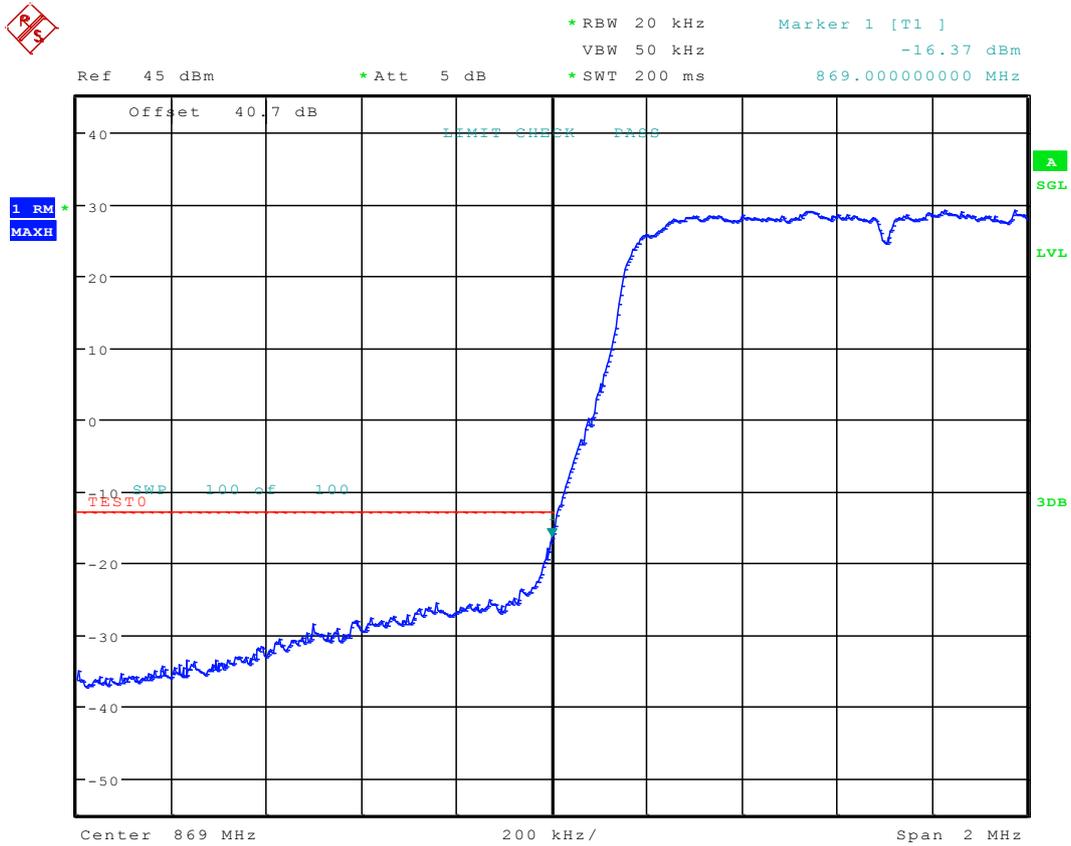
### 2.2.2.8 DL\_2U\_TM1\_T\_ANTB



Date: 23.SEP.2013 14:51:33

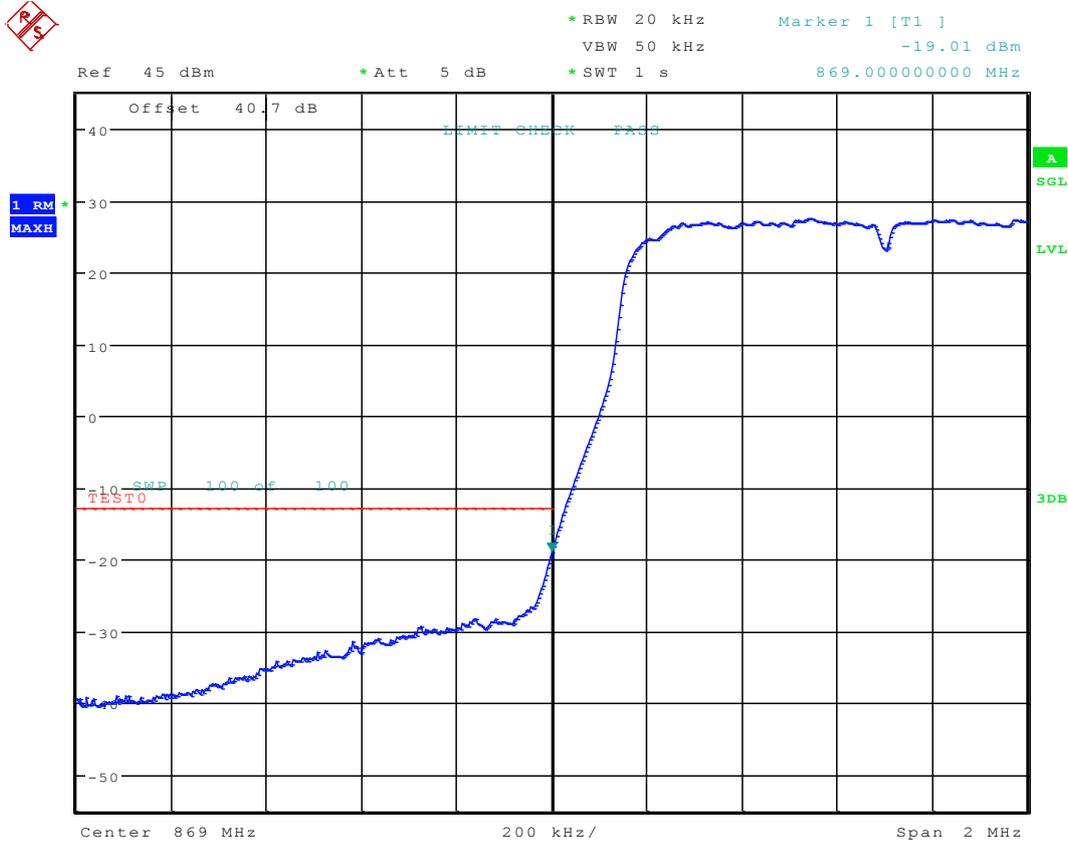
## 2.2.3 LTE system

### 2.2.3.1.1 DL\_1L\_1.4M\_B\_ANTA



Date: 20.SEP.2013 15:47:11

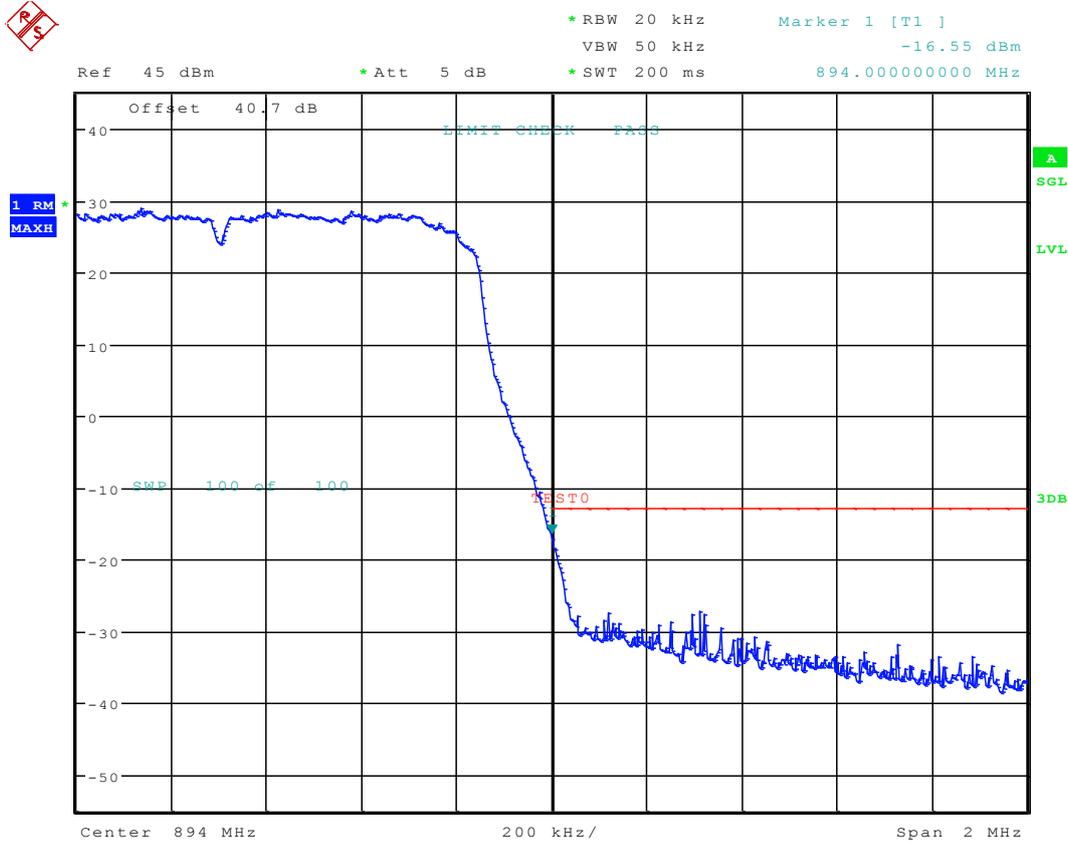
### 2.2.3.1.2 DL\_1L\_1.4M\_B\_ANTB



Date: 20.SEP.2013 16:18:36



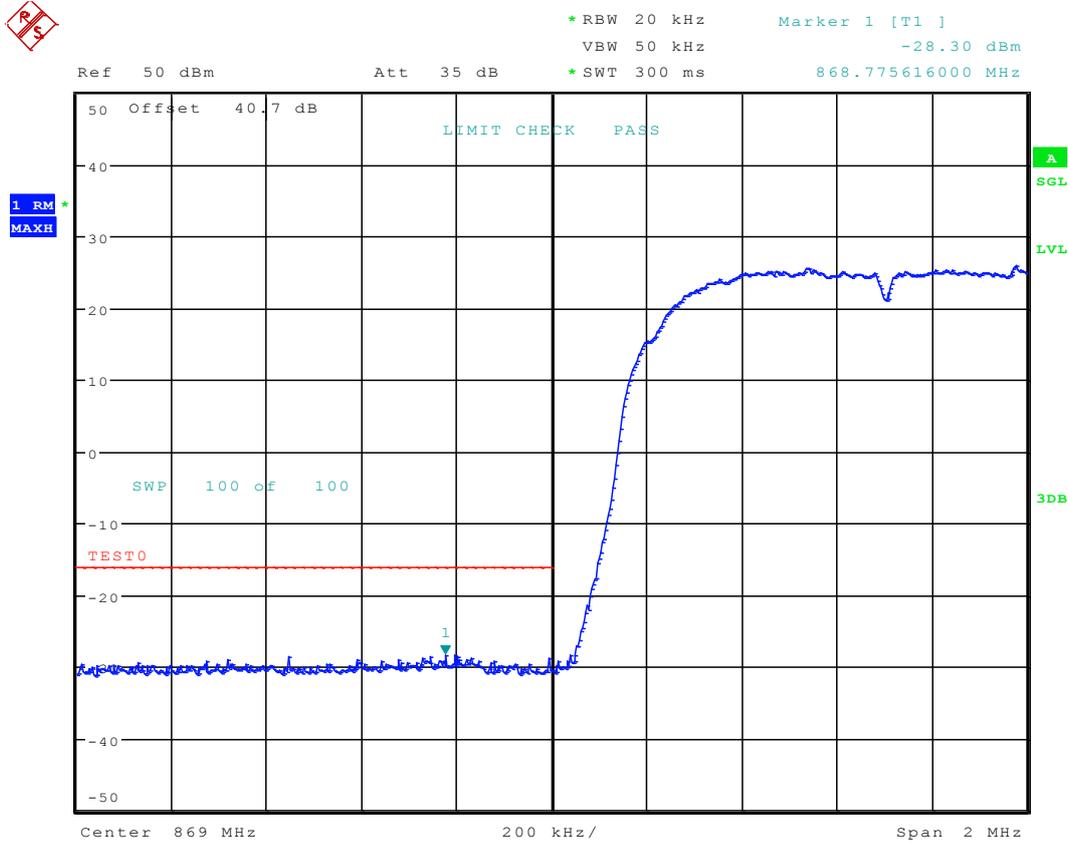
### 2.2.3.1.4 DL\_1L\_1.4M\_T\_ANTB



Date: 20.SEP.2013 16:11:47



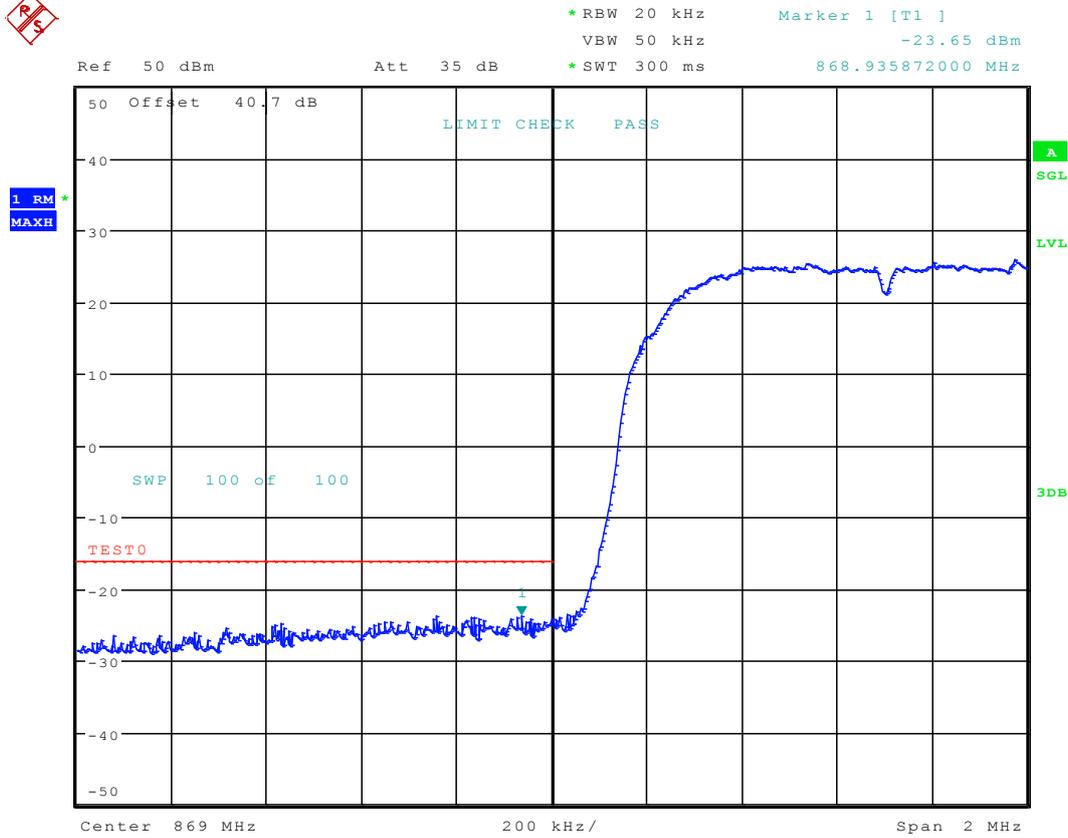
2.2.3.1.5 DL\_2L\_1.4M\_B\_ANTA



Date: 23.SEP.2013 15:14:34

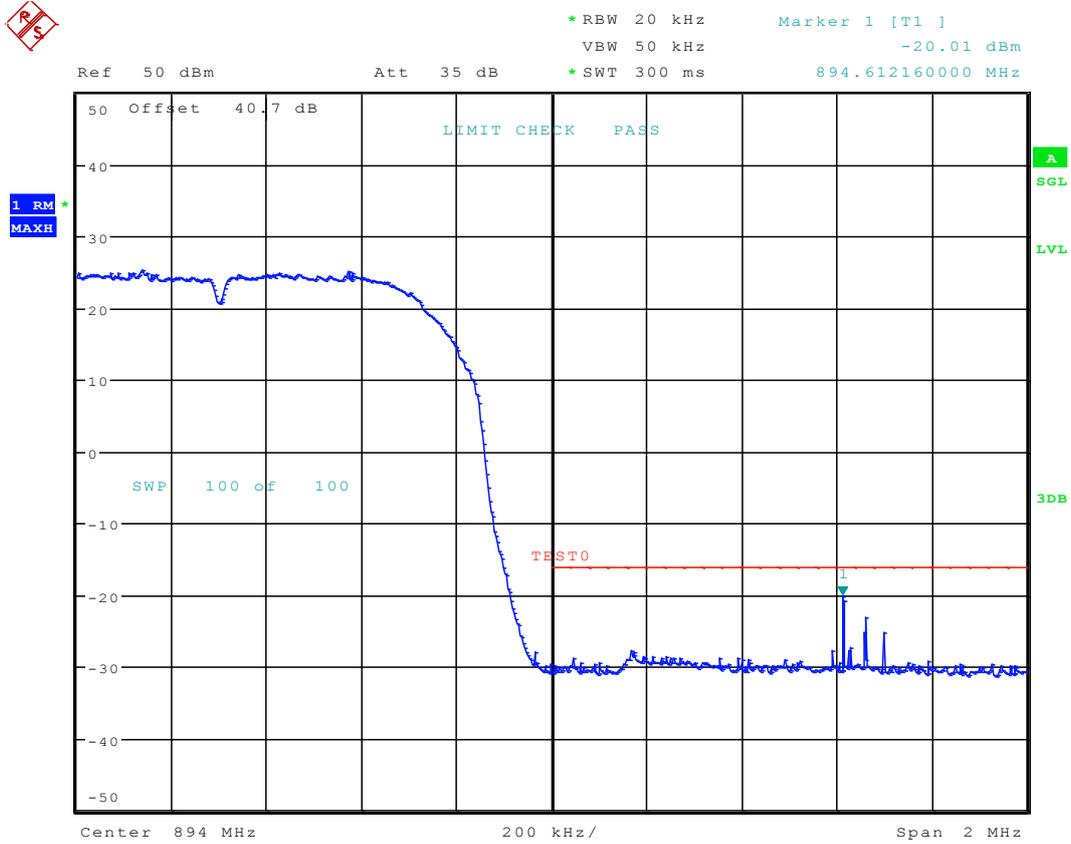


2.2.3.1.6 DL\_2L\_1.4M\_B\_ANTB



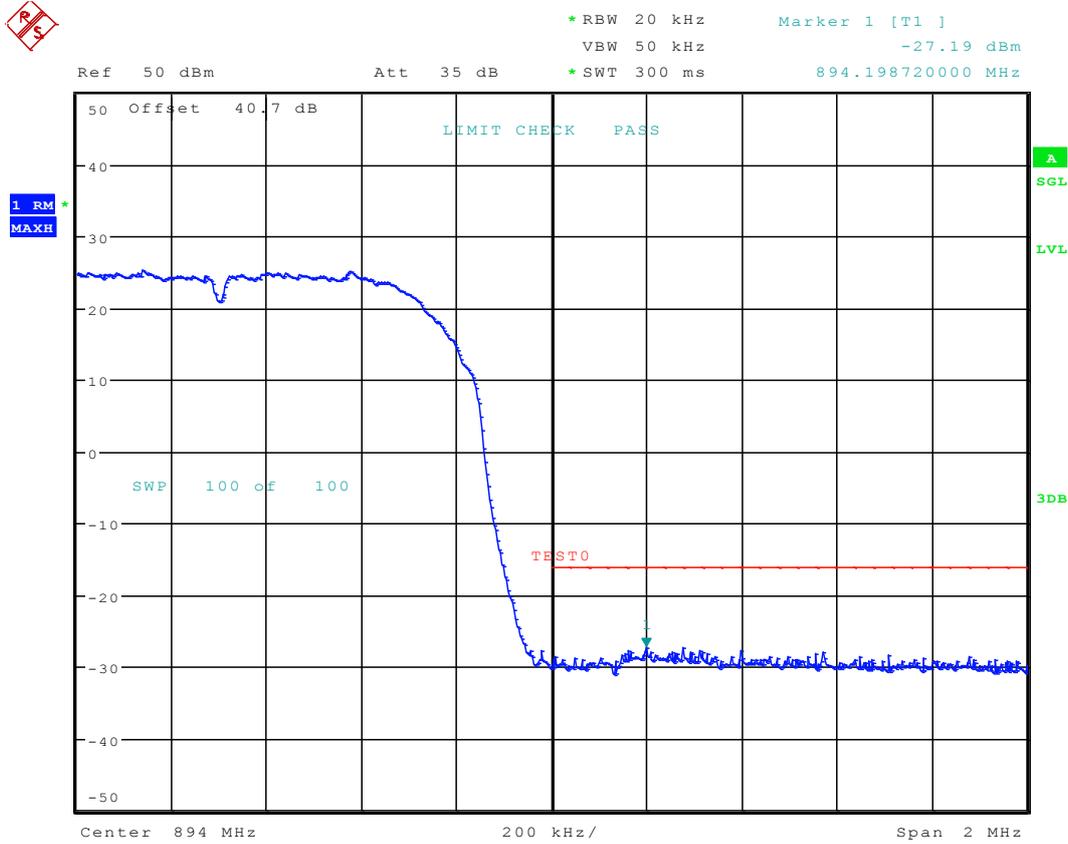
Date: 23.SEP.2013 15:27:59

### 2.2.3.1.7 DL\_2L\_1.4M\_T\_ANTA



Date: 23.SEP.2013 15:21:25

### 2.2.3.1.8 DL\_2L\_1.4M\_T\_ANTB

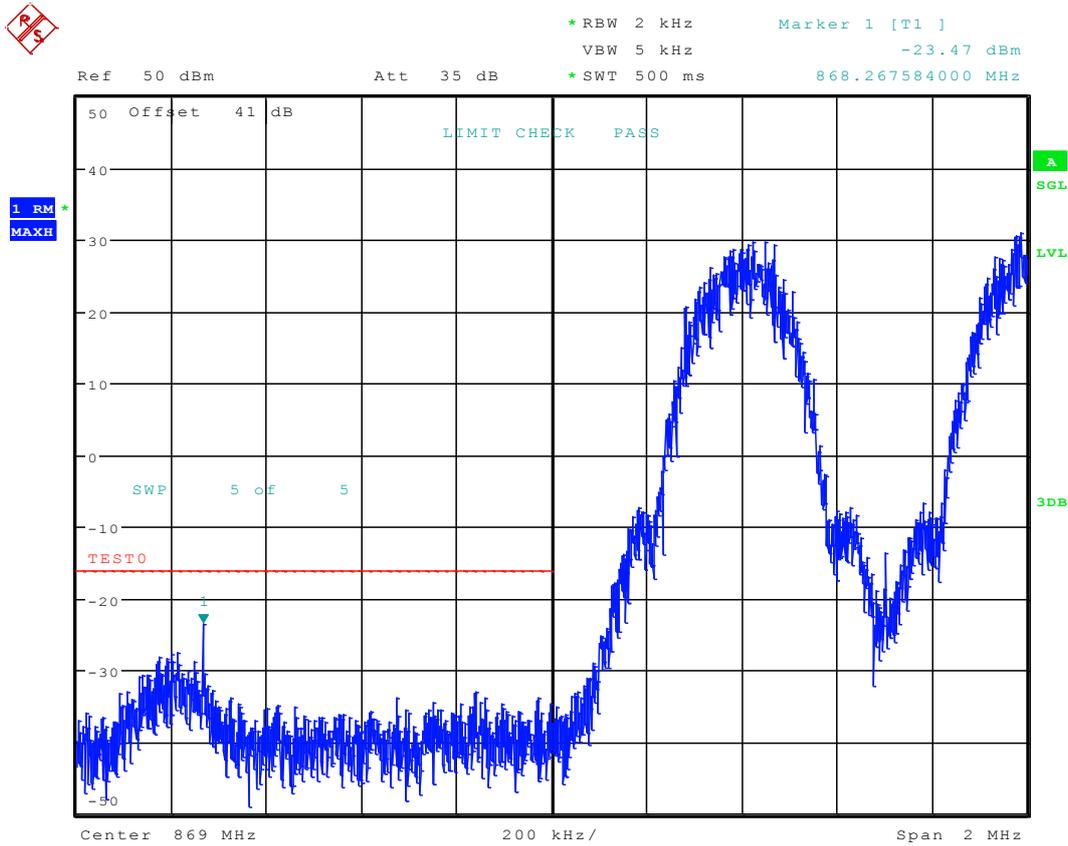


Date: 23.SEP.2013 15:33:01

### 2.3 Downlink Test Plots (input signal +10dB with AGC activated)

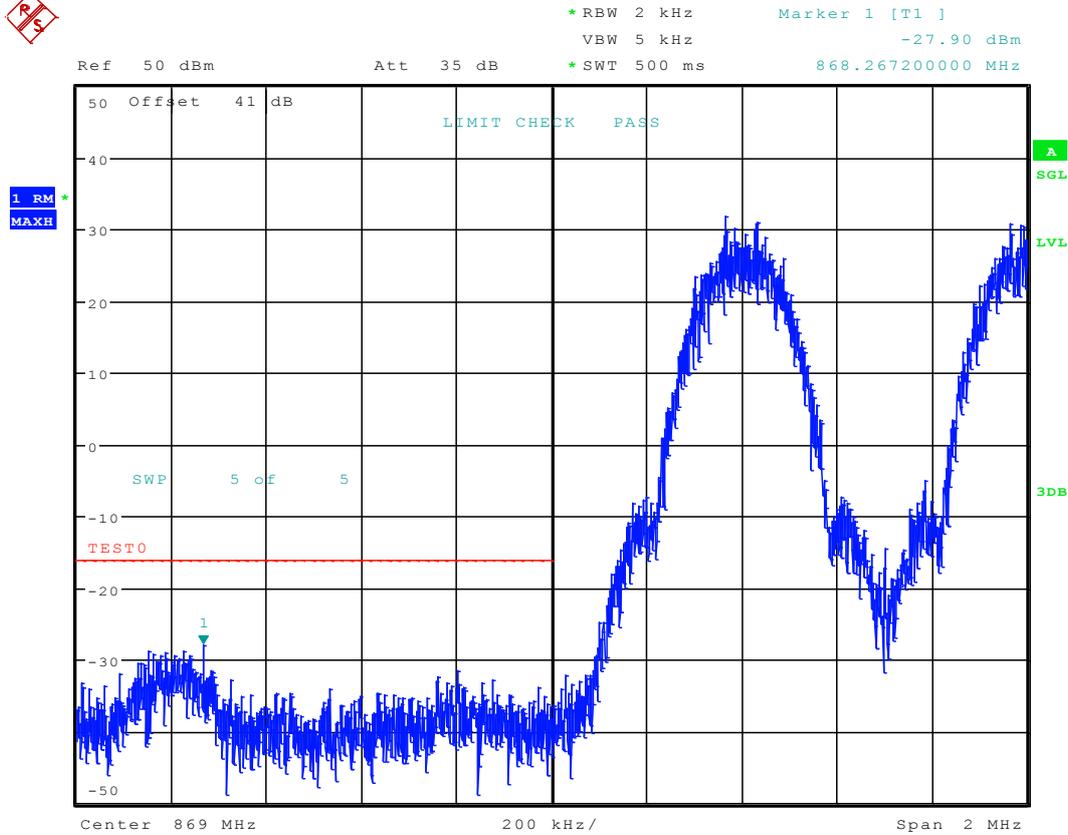
#### 2.3.1 GSM system

##### 2.3.1.1 DL\_2G\_TM1\_B\_ANTA



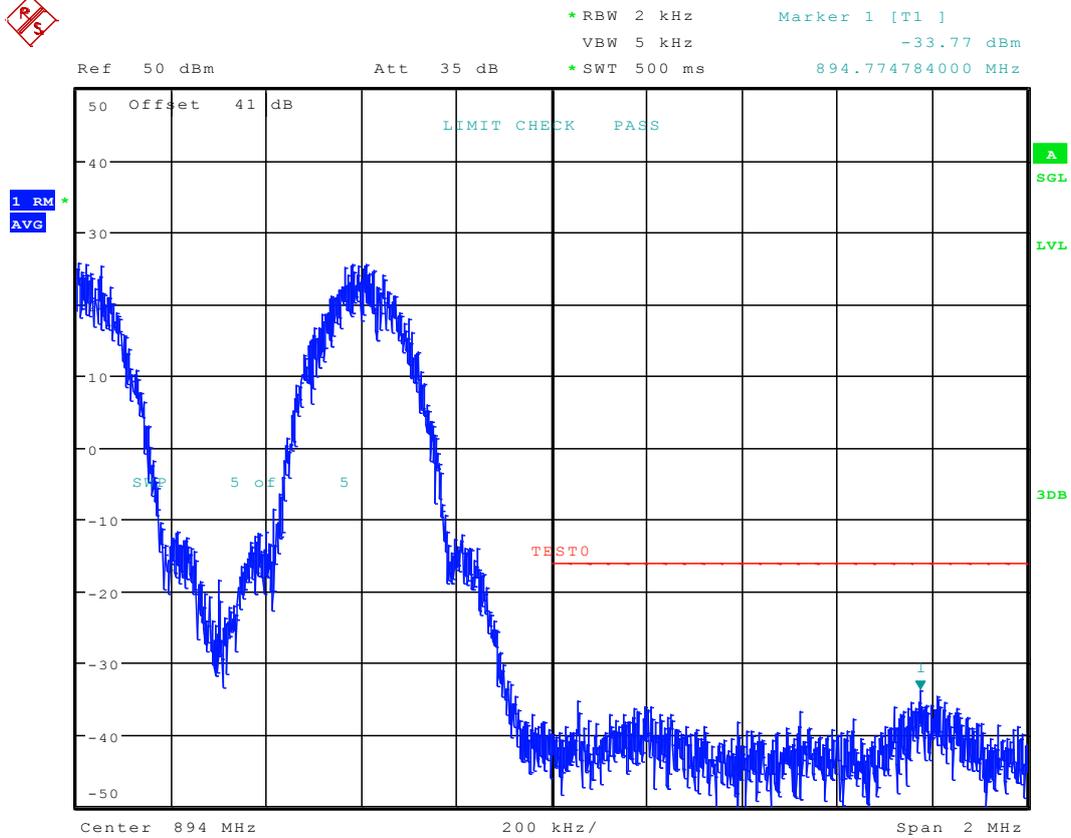
Date: 5.DEC.2013 16:14:51

### 2.3.1.2 DL\_2G\_TM1\_B\_ANTB



Date: 5.DEC.2013 16:26:42

### 2.3.1.3 DL\_2G\_TM1\_T\_ANTA

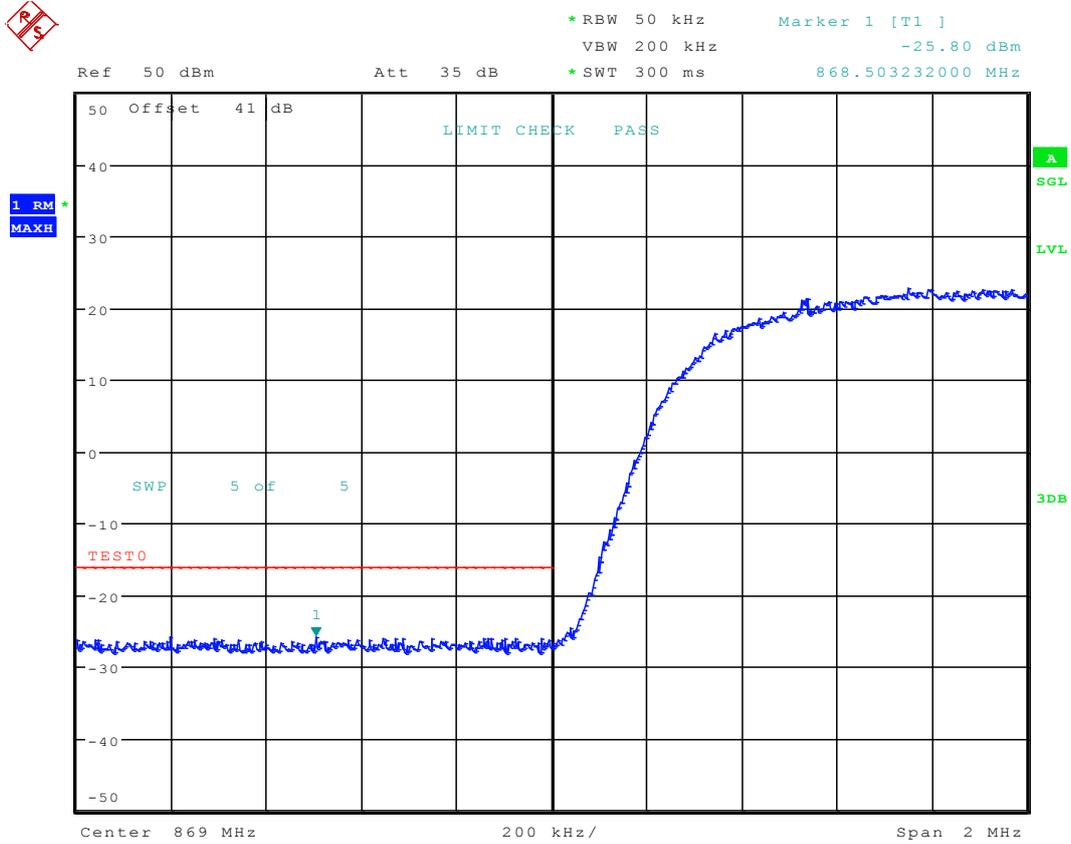


Date: 5.DEC.2013 16:34:37



## 2.3.2 UMTS system

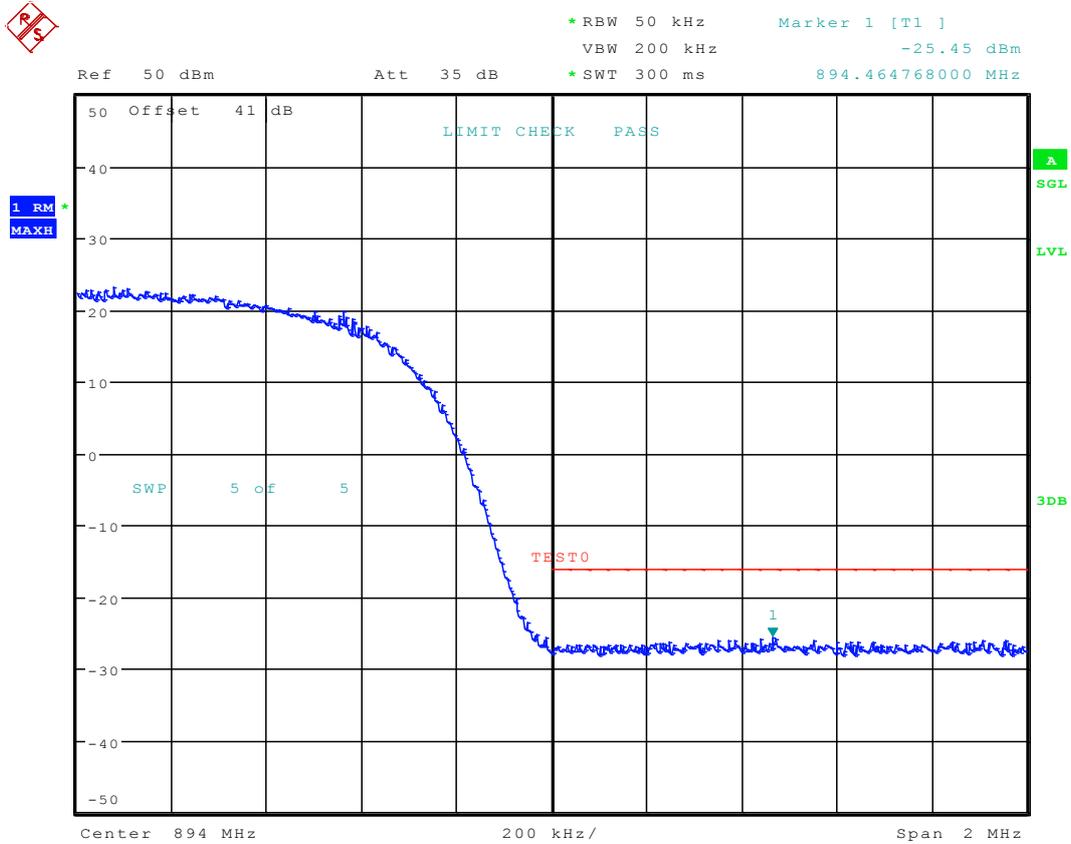
### 2.3.2.1 DL\_2U\_TM1\_B\_ANTA



Date: 5.DEC.2013 18:52:26



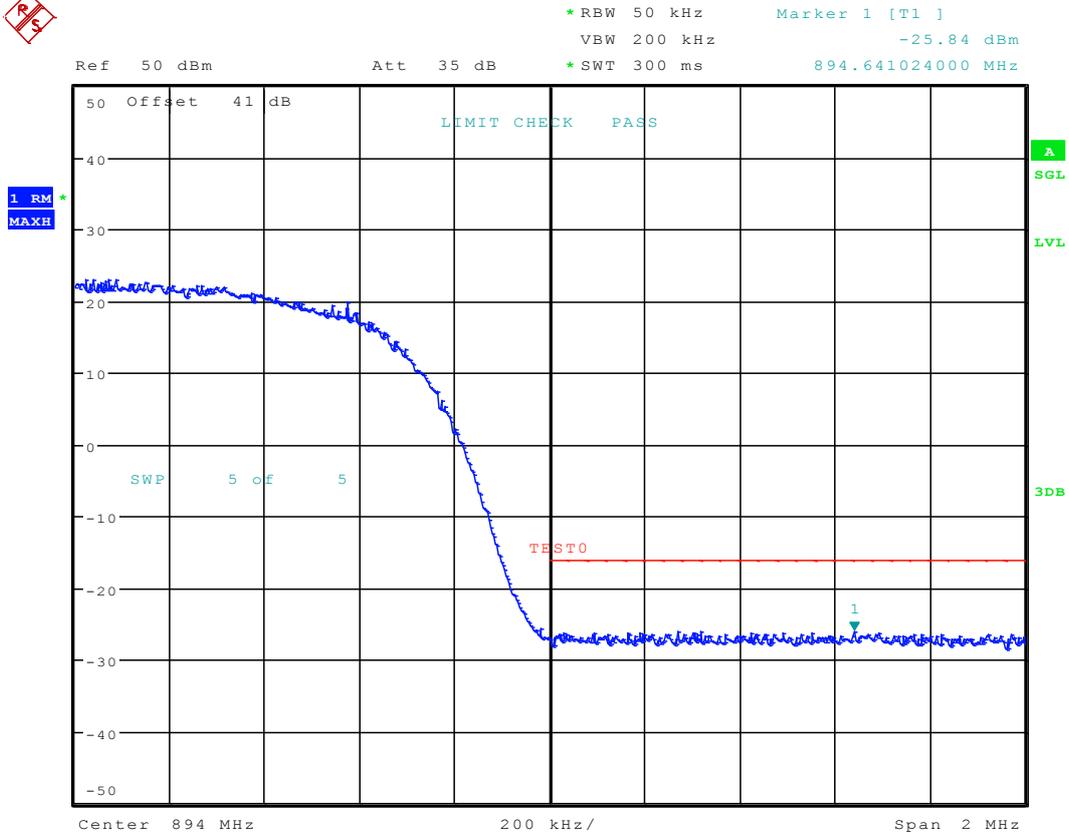
### 2.3.2.3 DL\_2U\_TM1\_T\_ANTA



Date: 5.DEC.2013 19:17:39



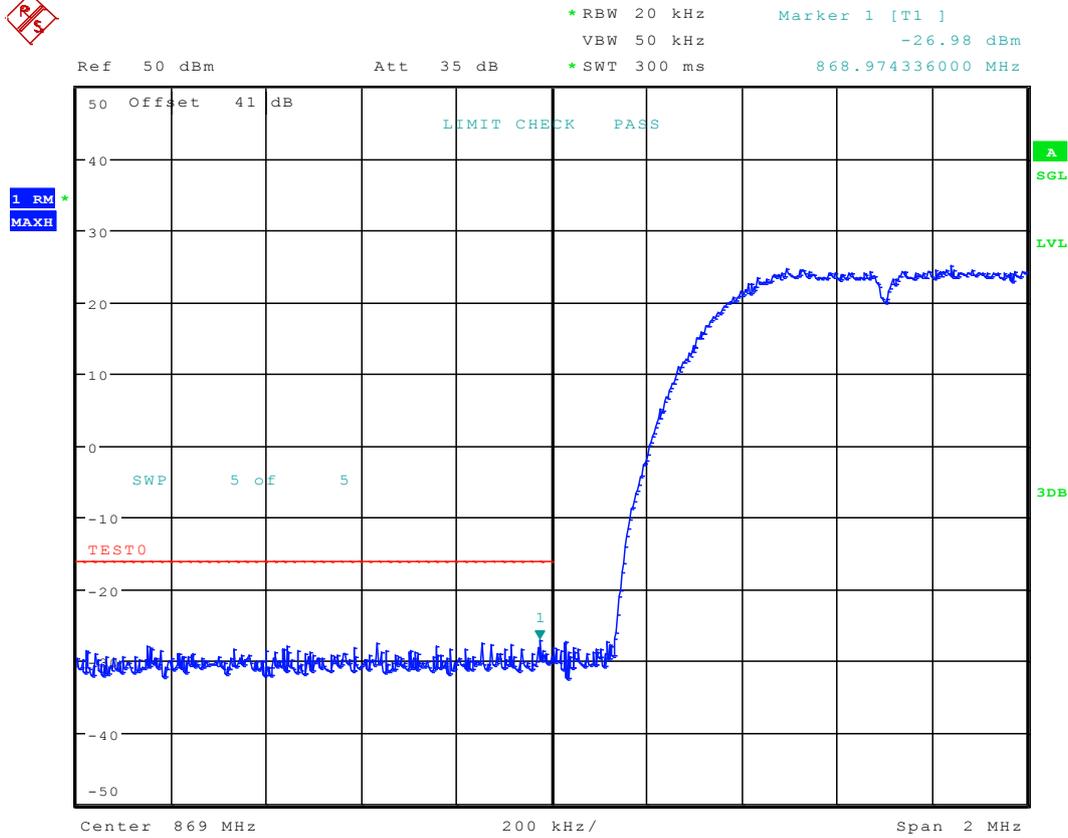
2.3.2.4 DL\_2U\_TM1\_T\_ANTB



Date: 5.DEC.2013 19:20:44

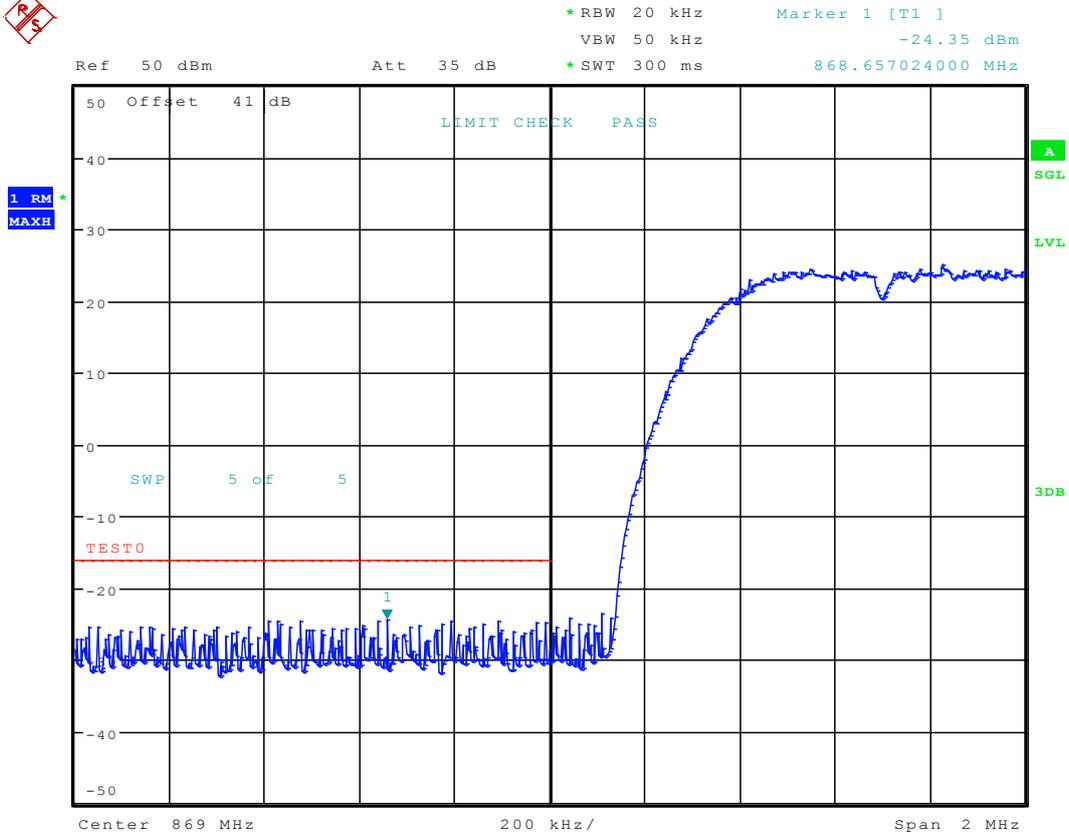
### 2.3.3 LTE system

#### 2.3.3.1 DL\_2L\_1.4M\_B\_ANT



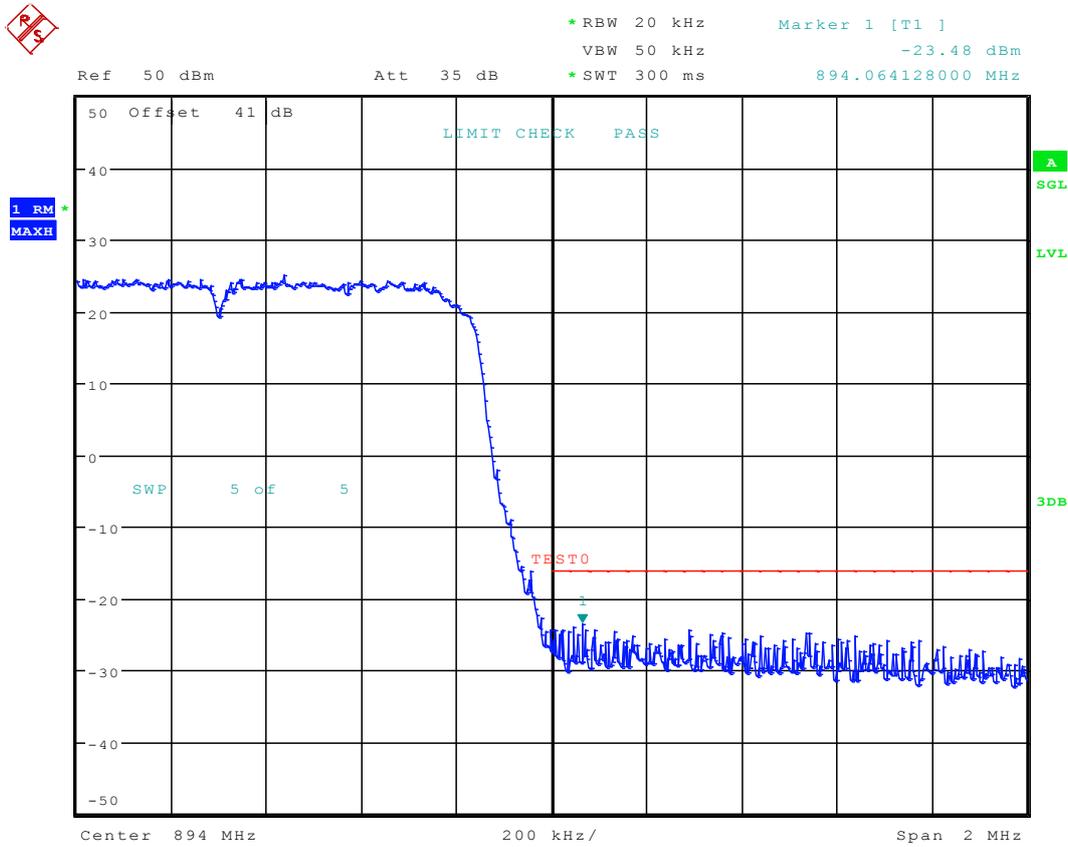
Date: 5.DEC.2013 20:37:43

### 2.3.3.2 DL\_2L\_1.4M\_B\_ANTB



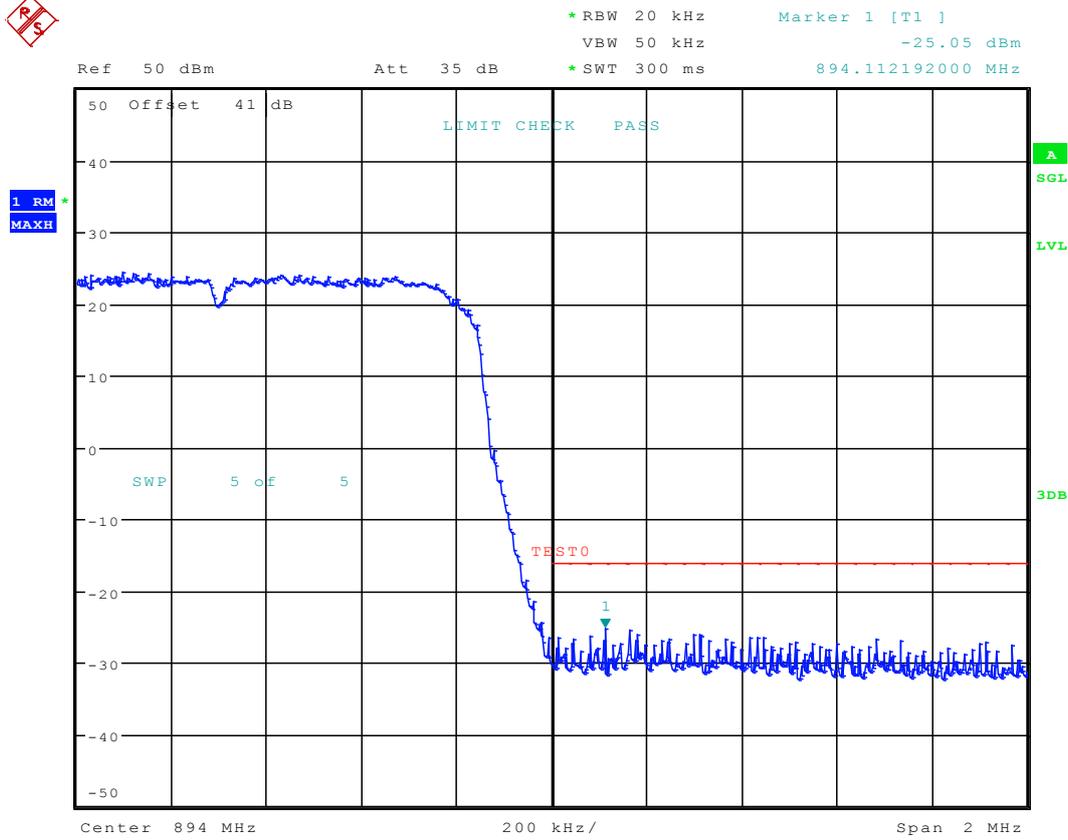
Date: 5.DEC.2013 20:42:28

### 2.3.3.3 DL\_2L\_1.4M\_T\_ANTA



Date: 5.DEC.2013 20:46:21

### 2.3.3.4 DL\_2L\_1.4M\_T\_ANTB



Date: 7.DEC.2013 11:06:04



# Appendix D: Spurious Emission at Antenna Terminals

## 1 Result Table

NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE 2: Since the EUT transmits on two antennas simultaneously in the same frequency with MIMO mode, using the measure and minus  $10\log(N)$  technique, so the limits for spurious emissions at antenna terminal should be adjusted with a correction of  $10\log 2$ .

### 1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

## 1.2 Downlink Test Results (without AGC activated)

### 1.2.1 GSM system

EUT Conf.	Limit(dBm)	Verdict
DL_1G_TM1_B_ANTA	-16	Pass
DL_1G_TM1_B_ANTB	-16	Pass
DL_1G_TM1_M_ANTA	-16	Pass
DL_1G_TM1_M_ANTB	-16	Pass
DL_1G_TM1_T_ANTA	-16	Pass
DL_1G_TM1_T_ANTB	-16	Pass
DL_2G_TM1_B_ANTA	-16	Pass
DL_2G_TM1_B_ANTB	-16	Pass
DL_2G_TM1_M_ANTA	-16	Pass
DL_2G_TM1_M_ANTB	-16	Pass
DL_2G_TM1_T_ANTA	-16	Pass
DL_2G_TM1_T_ANTB	-16	Pass

### 1.2.2 UMTS system

EUT Conf.	Limit(dBm)	Verdict
DL_1U_TM1_B_ANTA	-16	Pass
DL_1U_TM1_B_ANTB	-16	Pass
DL_1U_TM1_M_ANTA	-16	Pass
DL_1U_TM1_M_ANTB	-16	Pass
DL_1U_TM1_T_ANTA	-16	Pass
DL_1U_TM1_T_ANTB	-16	Pass
DL_2U_TM1_B_ANTA	-16	Pass
DL_2U_TM1_B_ANTB	-16	Pass
DL_2U_TM1_M_ANTA	-16	Pass
DL_2U_TM1_M_ANTB	-16	Pass
DL_2U_TM1_T_ANTA	-16	Pass
DL_2U_TM1_T_ANTB	-16	Pass

### 1.2.3 LTE system

EUT Conf.	Limit(dBm)	Verdict
DL_1L_1.4M_B_ANTA	-16	Pass
DL_1L_1.4M_B_ANTB	-16	Pass
DL_1L_1.4M_M_ANTA	-16	Pass
DL_1L_1.4M_M_ANTB	-16	Pass
DL_1L_1.4M_T_ANTA	-16	Pass



EUT Conf.	Limit(dBm)	Verdict
DL_1L_1.4M_T_ANTB	-16	Pass
DL_2L_1.4M_B_ANTA	-16	Pass
DL_2L_1.4M_B_ANTB	-16	Pass
DL_2L_1.4M_M_ANTA	-16	Pass
DL_2L_1.4M_M_ANTB	-16	Pass
DL_2L_1.4M_T_ANTA	-16	Pass
DL_2L_1.4M_T_ANTB	-16	Pass

### 1.3 Downlink Test Results (input signal +10dB with AGC activated)

#### 1.3.1 GSM system

EUT Conf.	Limit(dBm)	Verdict
DL_2G_TM1_B_ANTA	-16	Pass
DL_2G_TM1_B_ANTB	-16	Pass
DL_2G_TM1_T_ANTA	-16	Pass
DL_2G_TM1_T_ANTB	-16	Pass

#### 1.3.2 UMTS system

EUT Conf.	Limit(dBm)	Verdict
DL_2U_TM1_B_ANTA	-16	Pass
DL_2U_TM1_B_ANTB	-16	Pass
DL_2U_TM1_T_ANTA	-16	Pass
DL_2U_TM1_T_ANTB	-16	Pass

#### 1.3.3 LTE system

EUT Conf.	Limit(dBm)	Verdict
DL_2L_1.4M_B_ANTA	-16	Pass
DL_2L_1.4M_B_ANTB	-16	Pass
DL_2L_1.4M_T_ANTA	-16	Pass
DL_2L_1.4M_T_ANTB	-16	Pass

## 2 Test Plot

### 2.1 Uplink Test Plots

Not applicable.

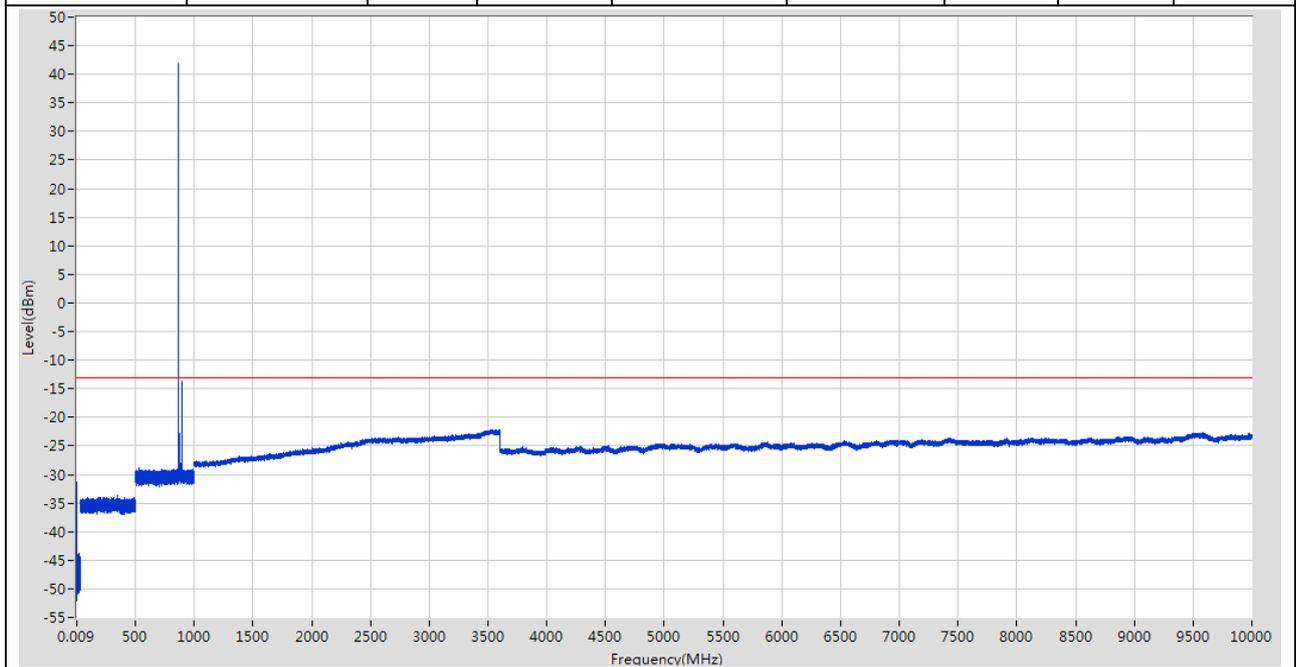
Notes: The EUT does not transmit over the air in the uplink direction.

### 2.2 Downlink Test Plots (without AGC activated)

#### 2.2.1 GSM system

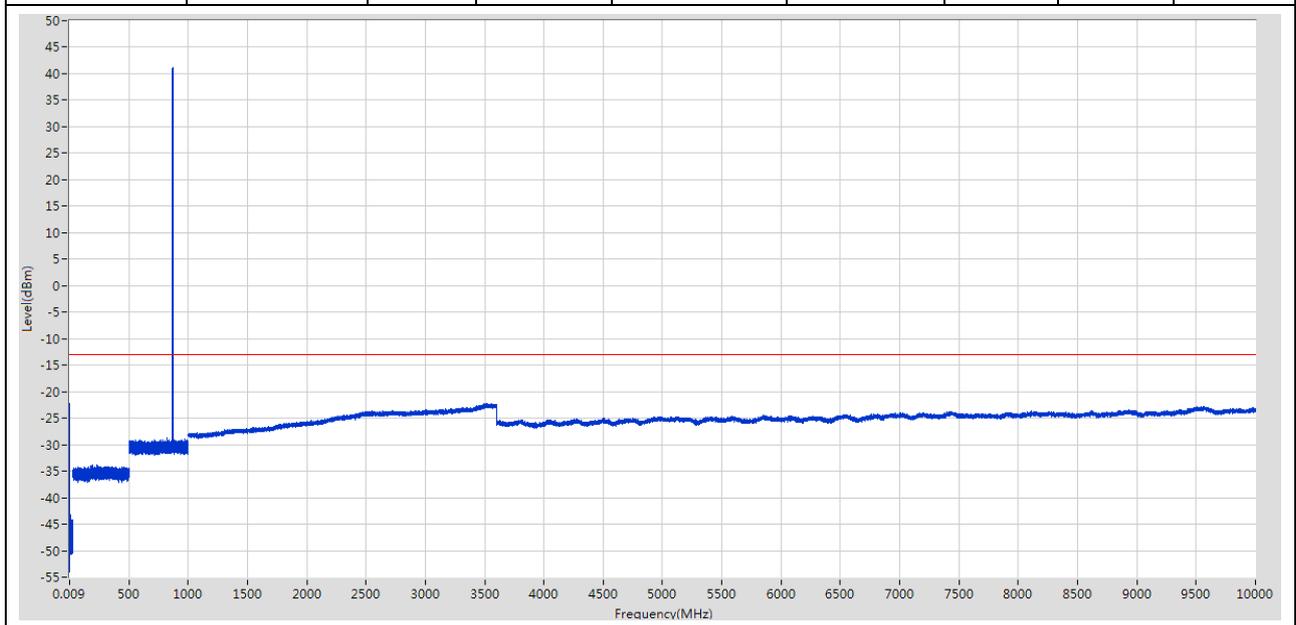
##### 2.2.1.1 DL\_1G\_TM1\_B\_ANT\_A

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-37.91	-13	Pass	801
0.15	30	0.01	RMS	317.16 k	-31.25	-13	Pass	15001
30	500	0.1	RMS	345.62 M	-33.67	-13	Pass	23501
500	1000	0.1	RMS	869.4 M	41.81	-13	Fail	25001
1000	10000	1	RMS	3567.48558 M	-22.15	-13	Pass	45002



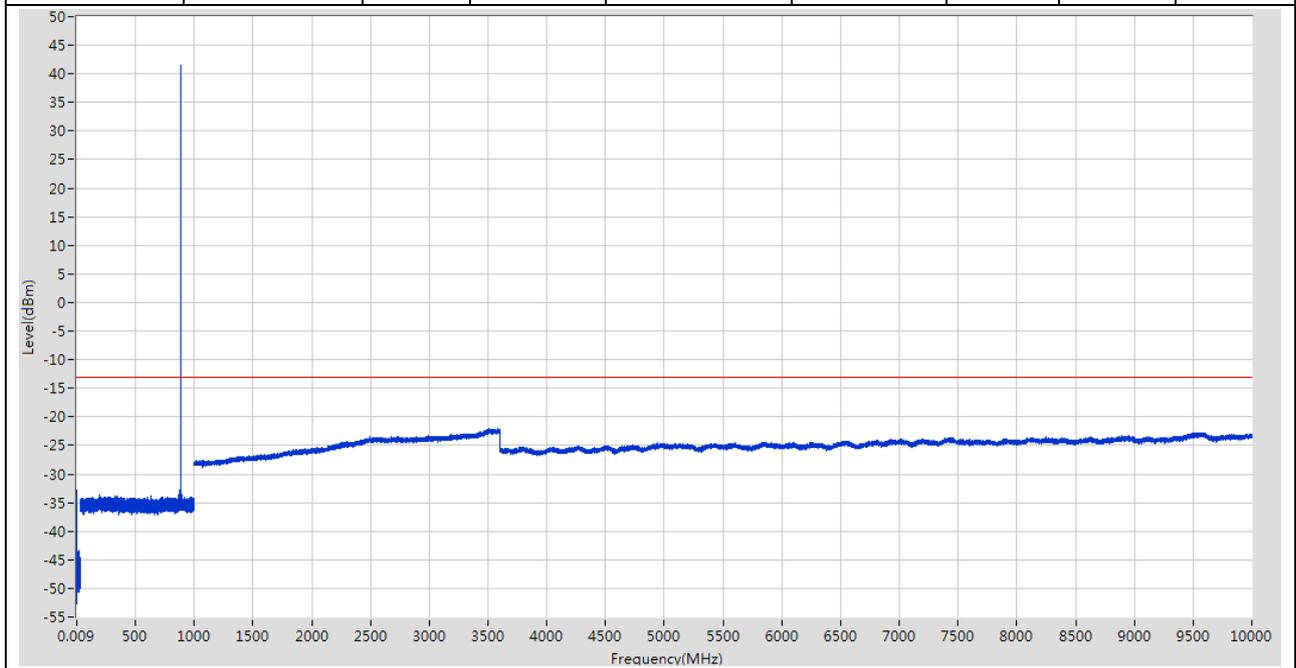
### 2.2.1.2 DL\_1G\_TM1\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-38.84	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-22.31	-13	Pass	15001
30	500	0.1	RMS	194.78 M	-33.72	-13	Pass	23501
500	1000	0.1	RMS	869.4 M	41.17	-13	Fail	25001
1000	10000	1	RMS	3521.88406 M	-22.2	-13	Pass	45002



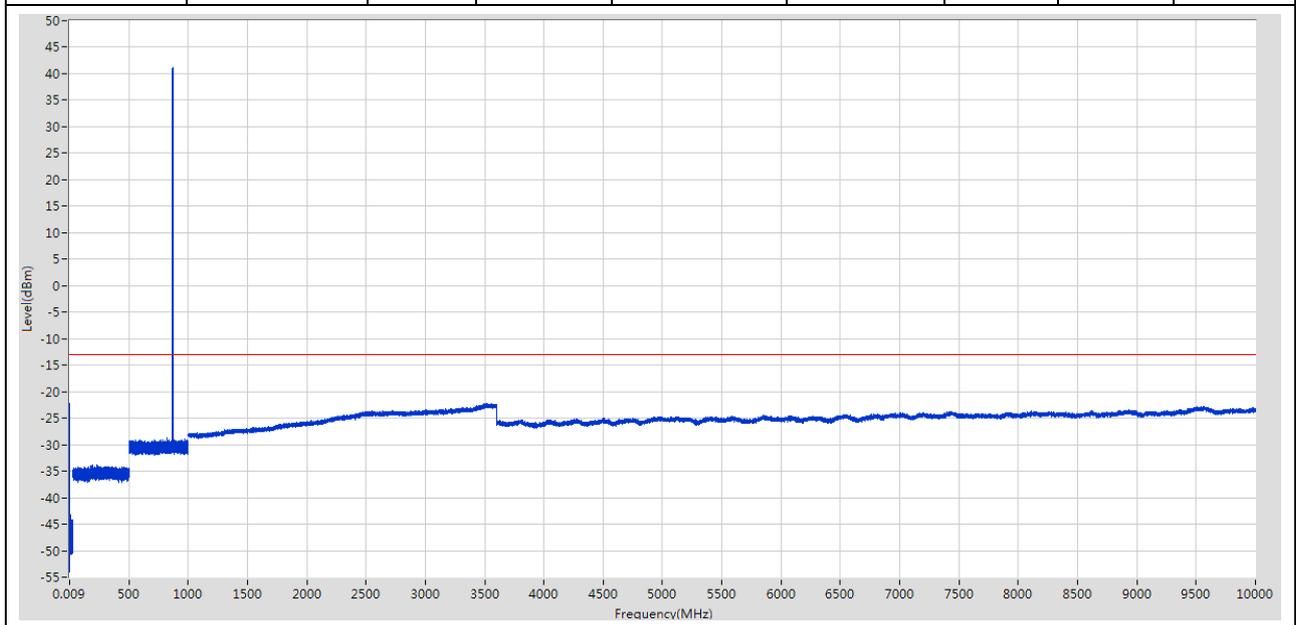
### 2.2.1.3 DL\_1G\_TM1\_M\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.939 k	-38.01	-13	Pass	801
0.15	30	0.01	RMS	317.16 k	-32.82	-13	Pass	15001
30	500	0.1	RMS	192.08 M	-33.59	-13	Pass	23501
500	1000	0.1	RMS	881.5 M	41.47	-13	Fail	25001
1000	10000	1	RMS	3583.486113 M	-22.04	-13	Pass	45002



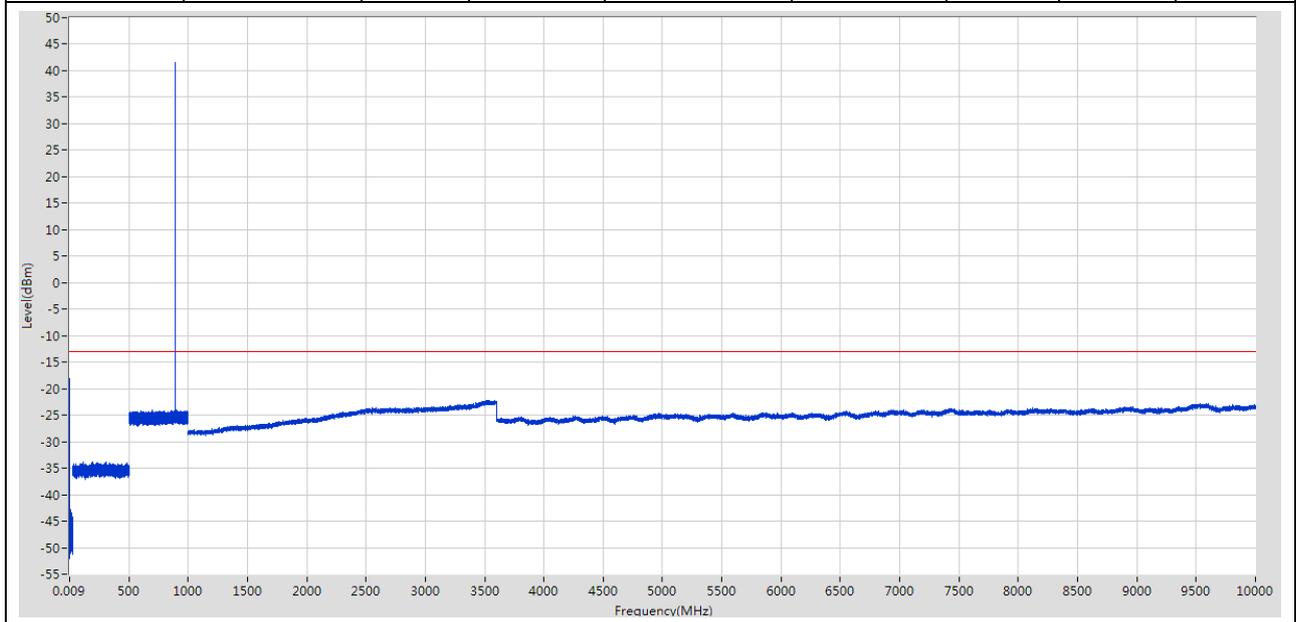
### 2.2.1.4 DL\_1G\_TM1\_M\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-38.84	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-22.31	-13	Pass	15001
30	500	0.1	RMS	194.78 M	-33.72	-13	Pass	23501
500	1000	0.1	RMS	869.4 M	41.17	-13	Fail	25001
1000	10000	1	RMS	3521.88406 M	-22.2	-13	Pass	45002



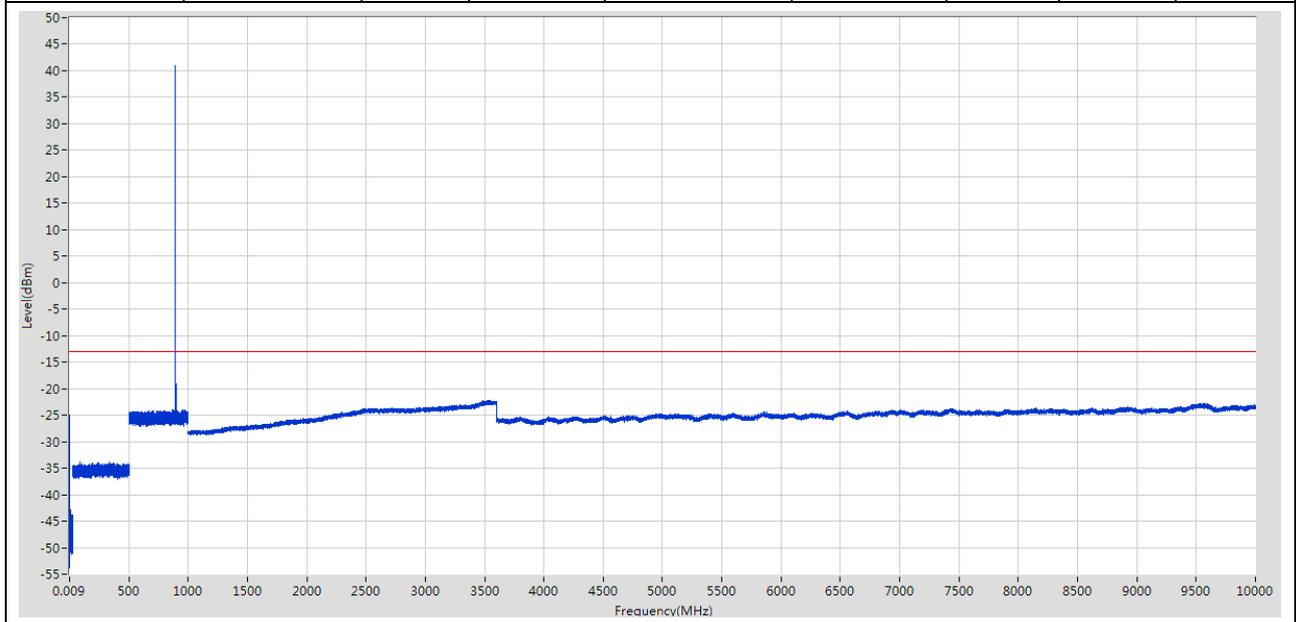
### 2.2.1.5 DL\_1G\_TM1\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.705 k	-38.5	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-18.12	-13	Pass	15001
30	500	0.1	RMS	117.16 M	-33.71	-13	Pass	23501
500	1000	0.1	RMS	893.6 M	41.5	-13	Fail	25001
1000	10000	1	RMS	3522.284073 M	-22.25	-13	Pass	45002



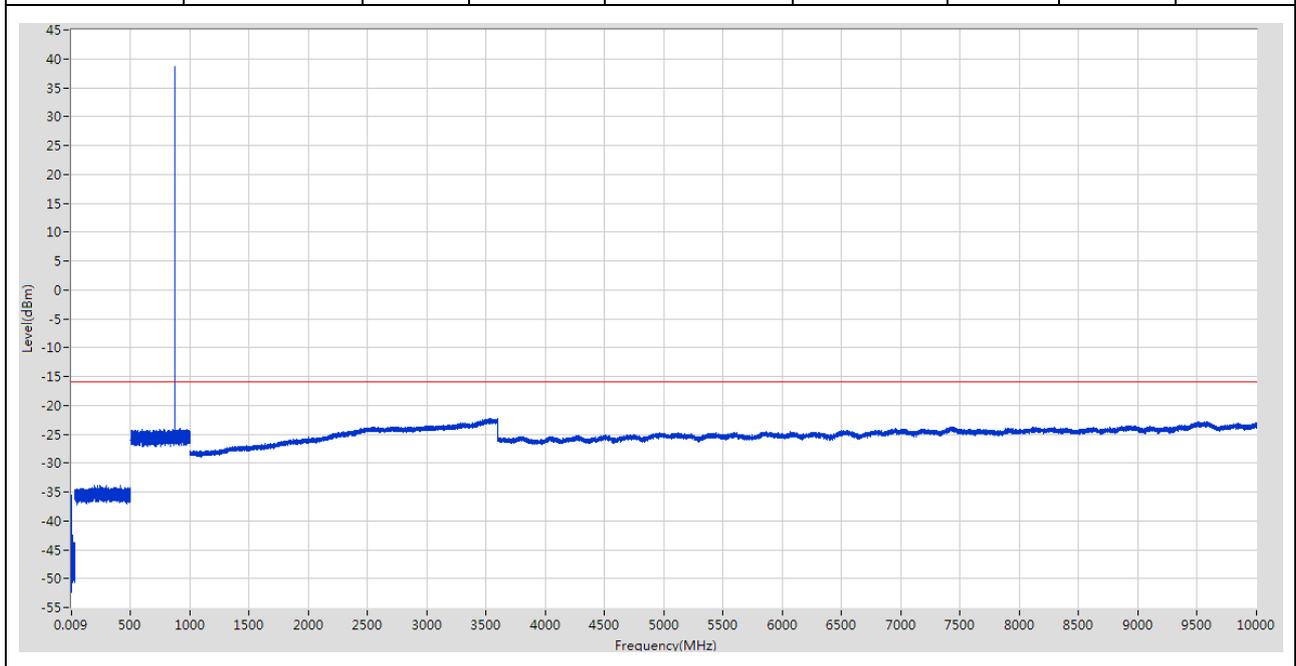
### 2.2.1.6 DL\_1G\_TM1\_T\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.529 k	-37.93	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-24.97	-13	Pass	15001
30	500	0.1	RMS	92.26 M	-33.85	-13	Pass	23501
500	1000	0.1	RMS	893.6 M	40.97	-13	Fail	25001
1000	10000	1	RMS	3543.084767 M	-22.14	-13	Pass	45002



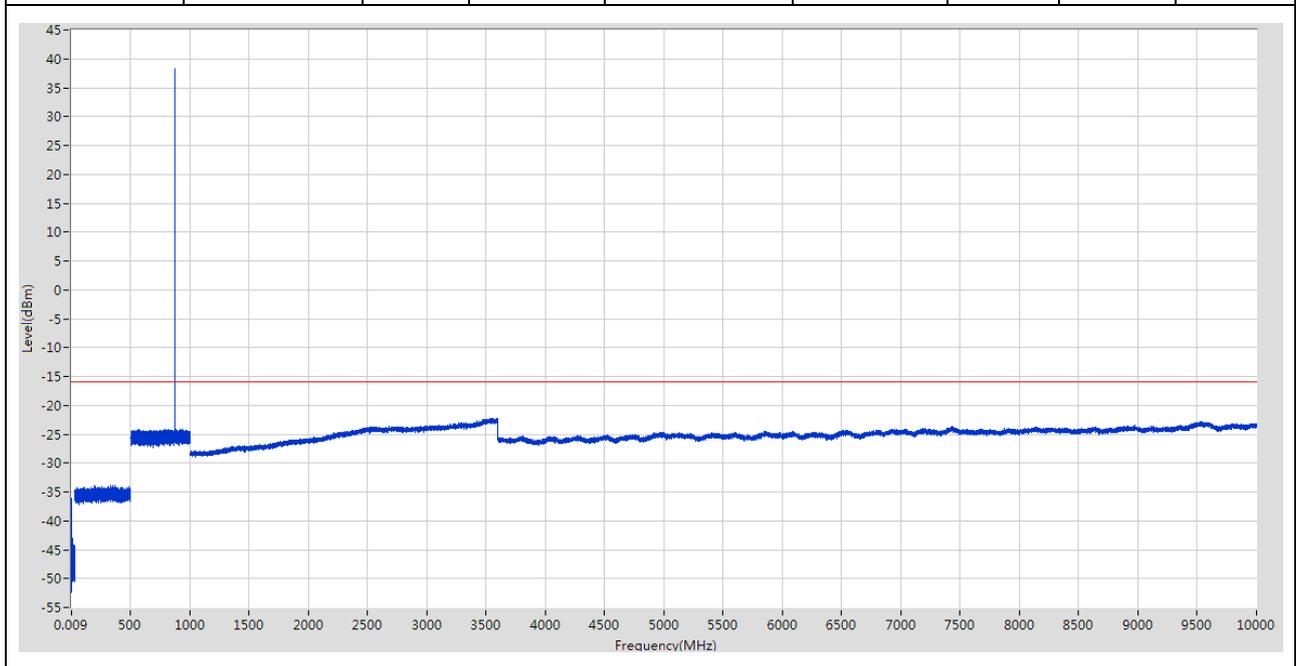
### 2.2.1.7 DL\_2G\_TM1\_B\_ANT

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	11.82 k	-40.01	-16	Pass	801
0.15	30	0.01	RMS	155.97 k	-35.63	-16	Pass	15001
30	500	0.1	RMS	190.3 M	-33.8	-16	Pass	23501
500	1000	0.1	RMS	870.02 M	38.6	-16	Fail	25001
1000	10000	1	RMS	3543.084767 M	-22.27	-16	Pass	45002



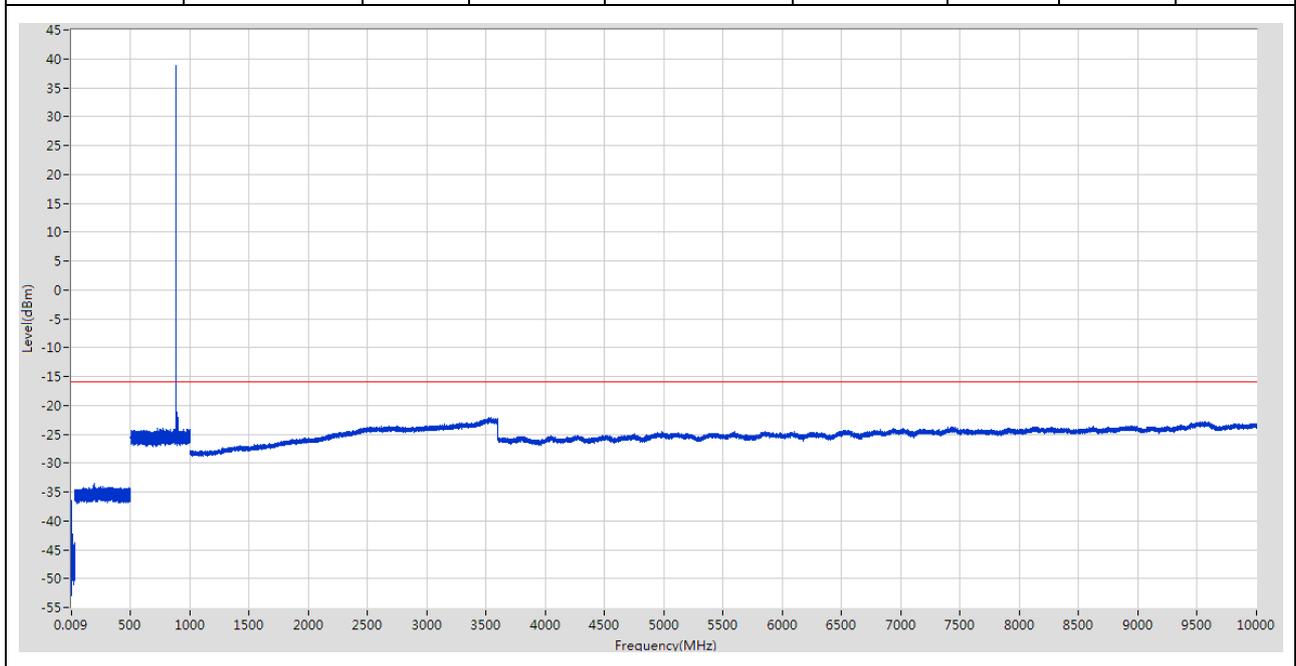
### 2.2.1.8 DL\_2G\_TM1\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.176 k	-39.46	-16	Pass	801
0.15	30	0.01	RMS	167.91 k	-36.18	-16	Pass	15001
30	500	0.1	RMS	331.56 M	-33.89	-16	Pass	23501
500	1000	0.1	RMS	870 M	38.21	-16	Fail	25001
1000	10000	1	RMS	3582.686087 M	-22.26	-16	Pass	45002



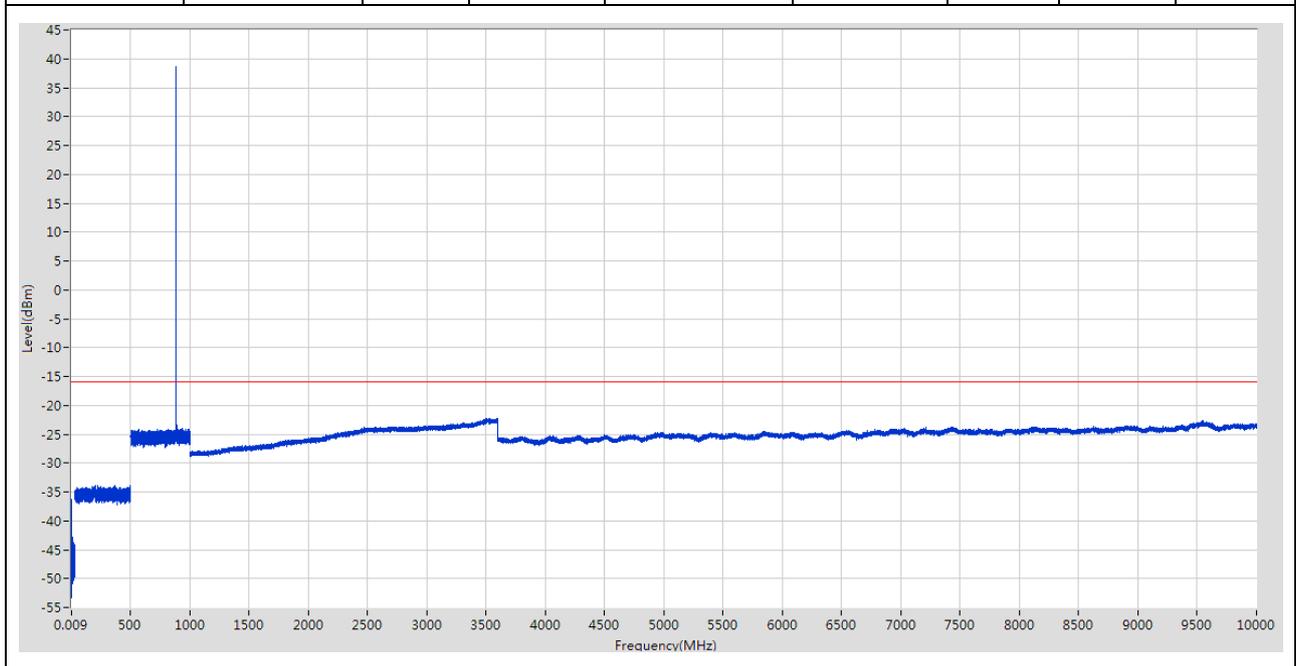
### 2.2.1.9 DL\_2G\_TM1\_M\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.586 k	-39.83	-16	Pass	801
0.15	30	0.01	RMS	189.8 k	-36.52	-16	Pass	15001
30	500	0.1	RMS	194.16 M	-33.5	-16	Pass	23501
500	1000	0.1	RMS	881.2 M	38.85	-16	Fail	25001
1000	10000	1	RMS	3521.484047 M	-22.19	-16	Pass	45002



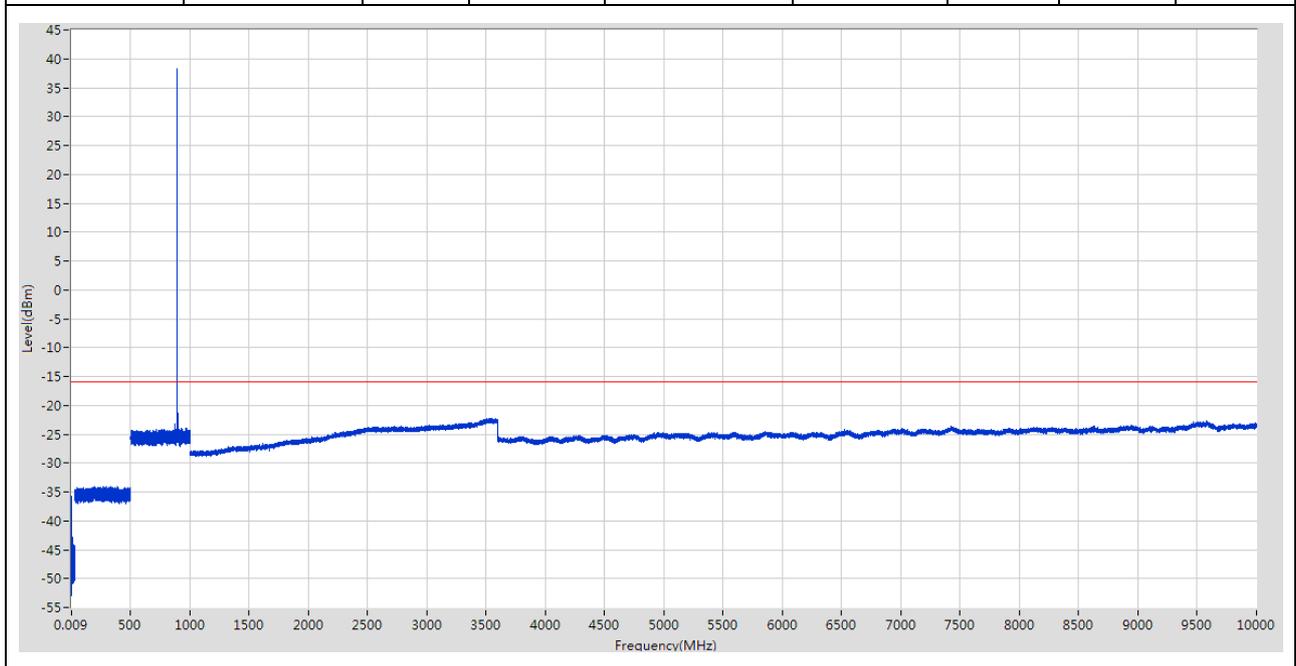
### 2.2.1.10 DL\_2G\_TM1\_M\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.939 k	-39.77	-16	Pass	801
0.15	30	0.01	RMS	187.81 k	-36.28	-16	Pass	15001
30	500	0.1	RMS	218.76 M	-33.93	-16	Pass	23501
500	1000	0.1	RMS	881.2 M	38.67	-16	Fail	25001
1000	10000	1	RMS	3507.883593 M	-22.23	-16	Pass	45002



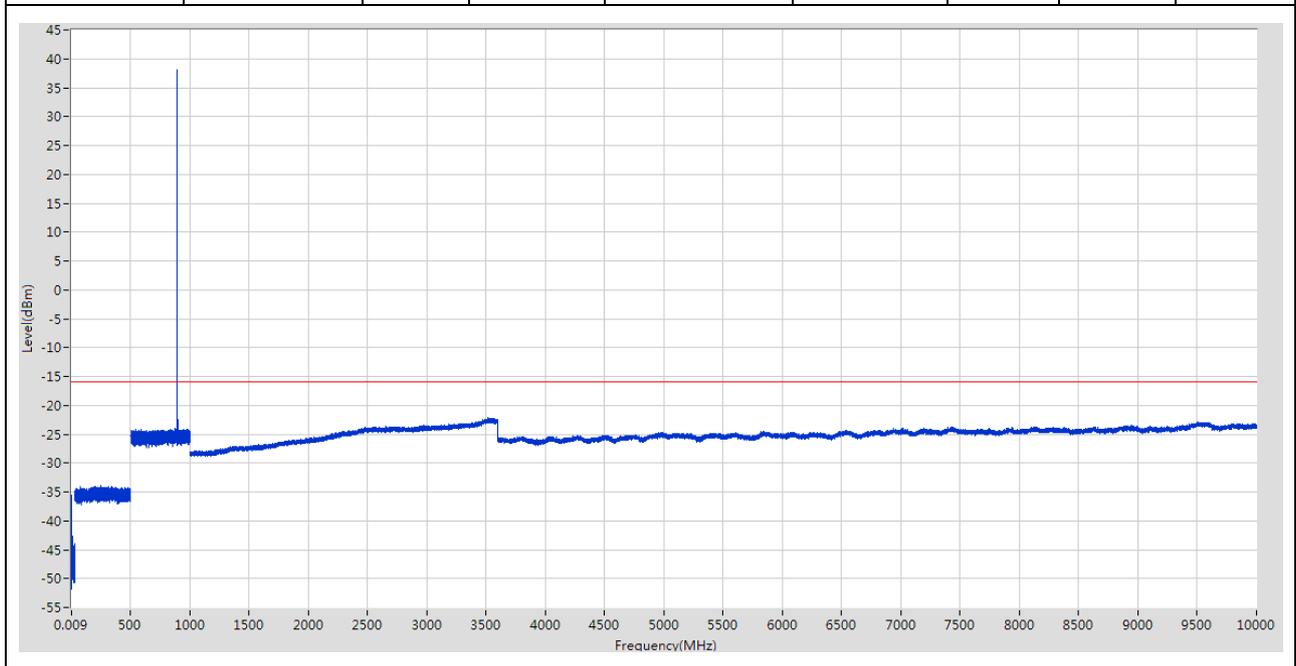
### 2.2.1.11 DL\_2G\_TM1\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.352 k	-38.75	-16	Pass	801
0.15	30	0.01	RMS	161.94 k	-35.84	-16	Pass	15001
30	500	0.1	RMS	188.72 M	-34.02	-16	Pass	23501
500	1000	0.1	RMS	893 M	38.26	-16	Fail	25001
1000	10000	1	RMS	3539.484647 M	-22.21	-16	Pass	45002



### 2.2.1.12 DL\_2G\_TM1\_T\_ANTB

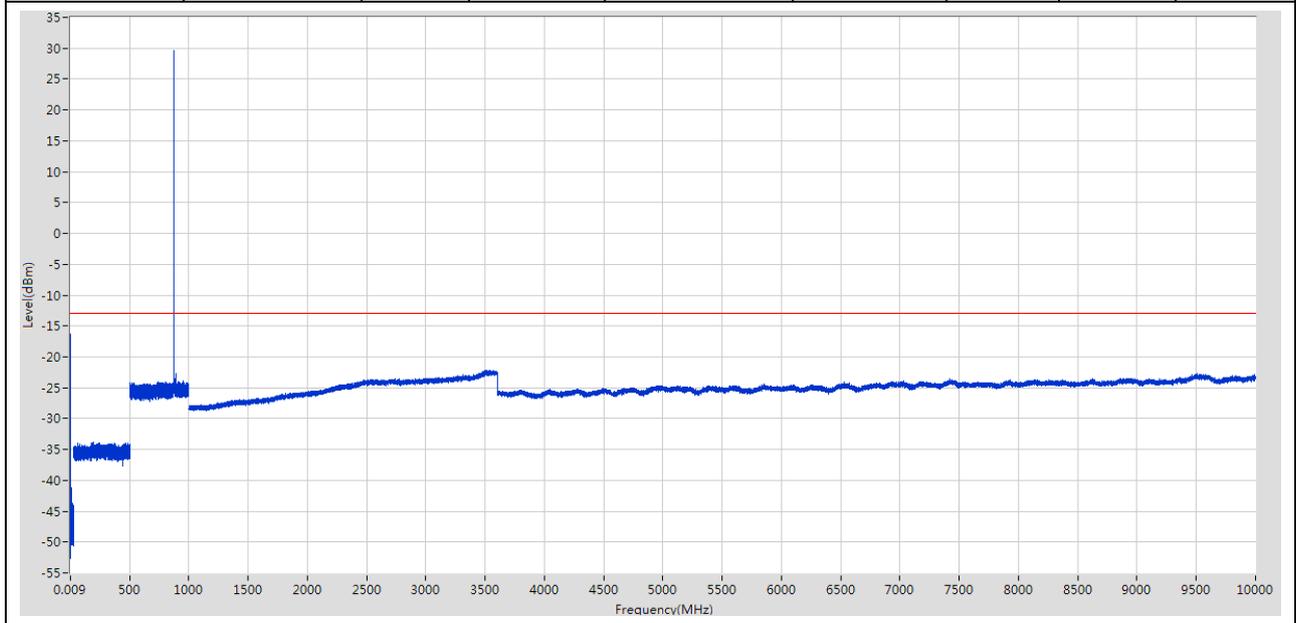
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.176 k	-38.28	-16	Pass	801
0.15	30	0.01	RMS	315.17 k	-35.55	-16	Pass	15001
30	500	0.1	RMS	247.28 M	-33.93	-16	Pass	23501
500	1000	0.1	RMS	893.6 M	38.12	-16	Fail	25001
1000	10000	1	RMS	3514.283807 M	-22.15	-16	Pass	45002



## 2.2.2 UMTS system

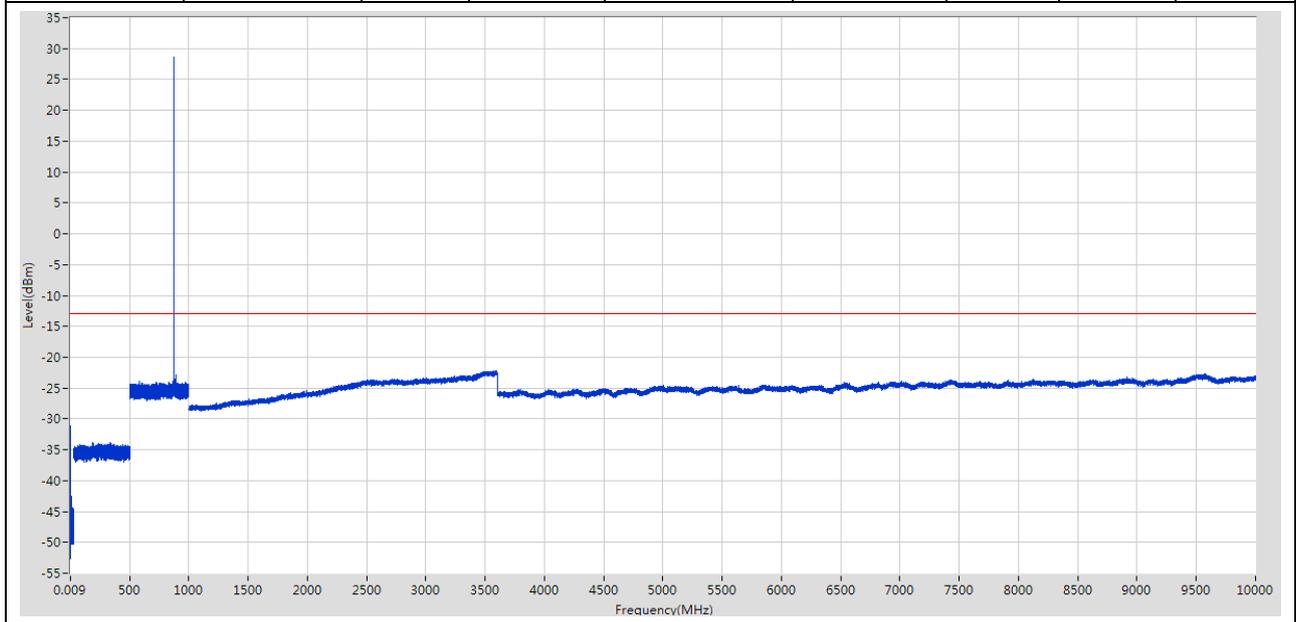
### 2.2.2.1 DL\_1U\_TM1\_B\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	78.971 k	-38.9	-13	Pass	801
0.15	30	0.01	RMS	313.18 k	-16.36	-13	Pass	15001
30	500	0.1	RMS	194.98 M	-33.87	-13	Pass	23501
500	1000	0.1	RMS	870.16 M	29.61	-13	Fail	25001
1000	10000	1	RMS	3500.083333 M	-22.15	-13	Pass	45002



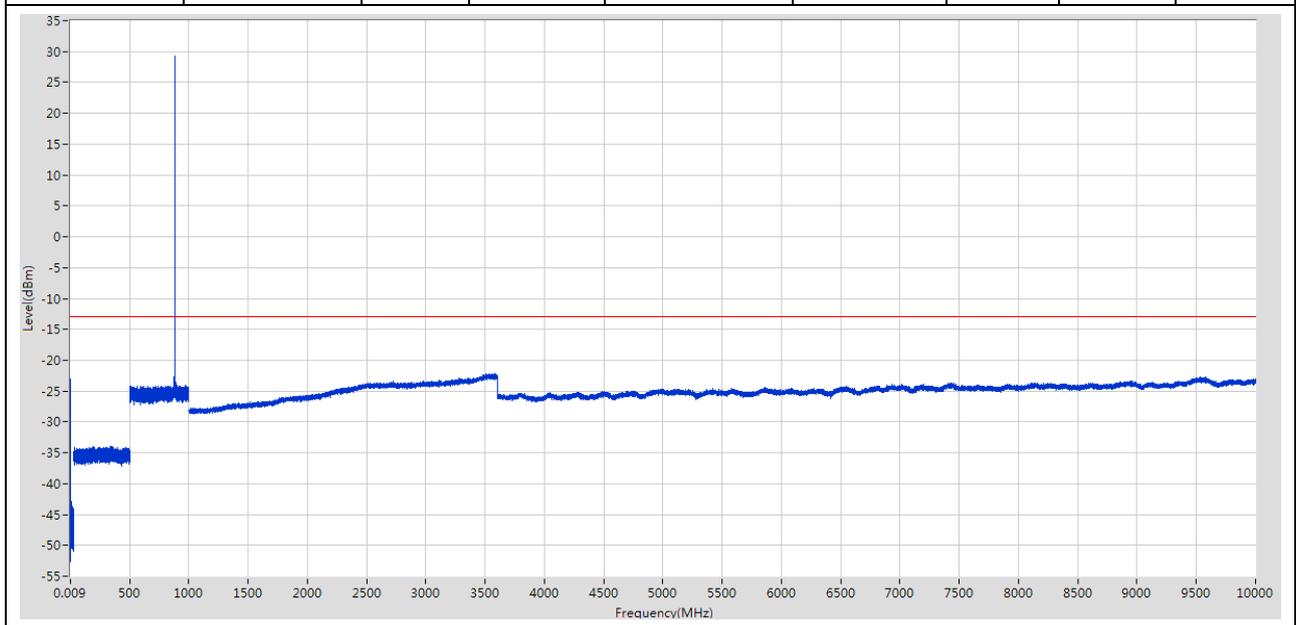
### 2.2.2.2 DL\_1U\_TM1\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.41 k	-37.8	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-31.18	-13	Pass	15001
30	500	0.1	RMS	188.44 M	-33.77	-13	Pass	23501
500	1000	0.1	RMS	870.18 M	28.59	-13	Fail	25001
1000	10000	1	RMS	3590.086333 M	-22.26	-13	Pass	45002



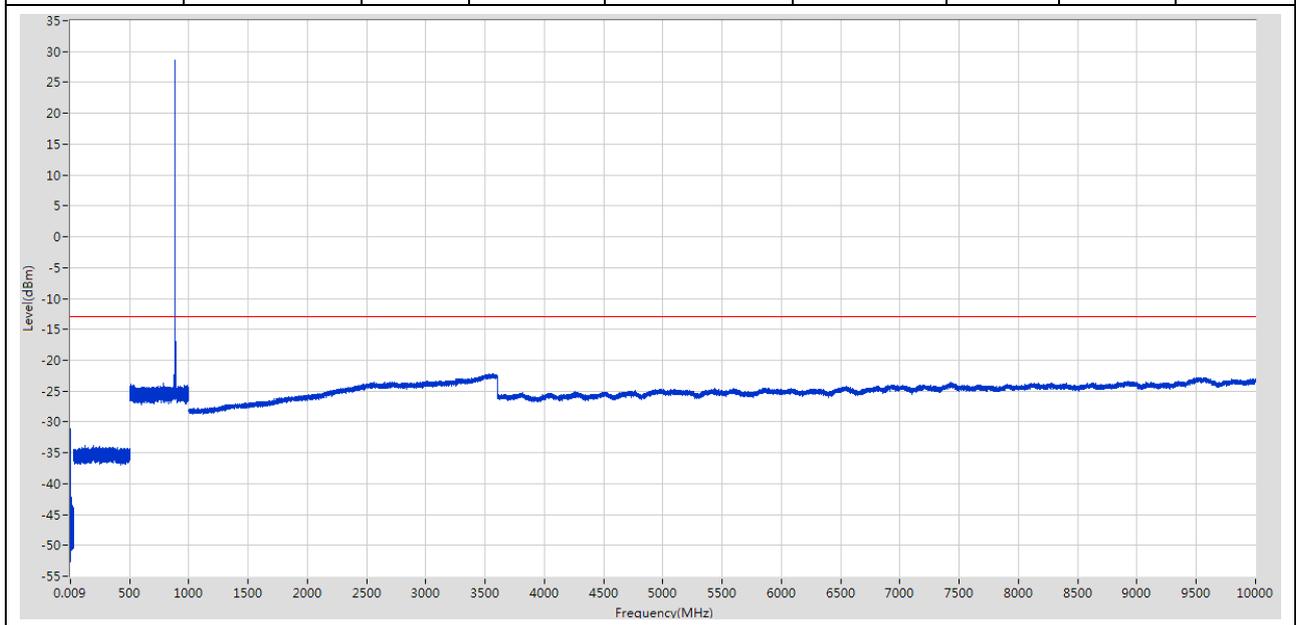
### 2.2.2.3 DL\_1U\_TM1\_M\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.529 k	-38.82	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-23.05	-13	Pass	15001
30	500	0.1	RMS	193.26 M	-33.93	-13	Pass	23501
500	1000	0.1	RMS	880.38 M	29.24	-13	Fail	25001
1000	10000	1	RMS	3584.686153 M	-22.14	-13	Pass	45002



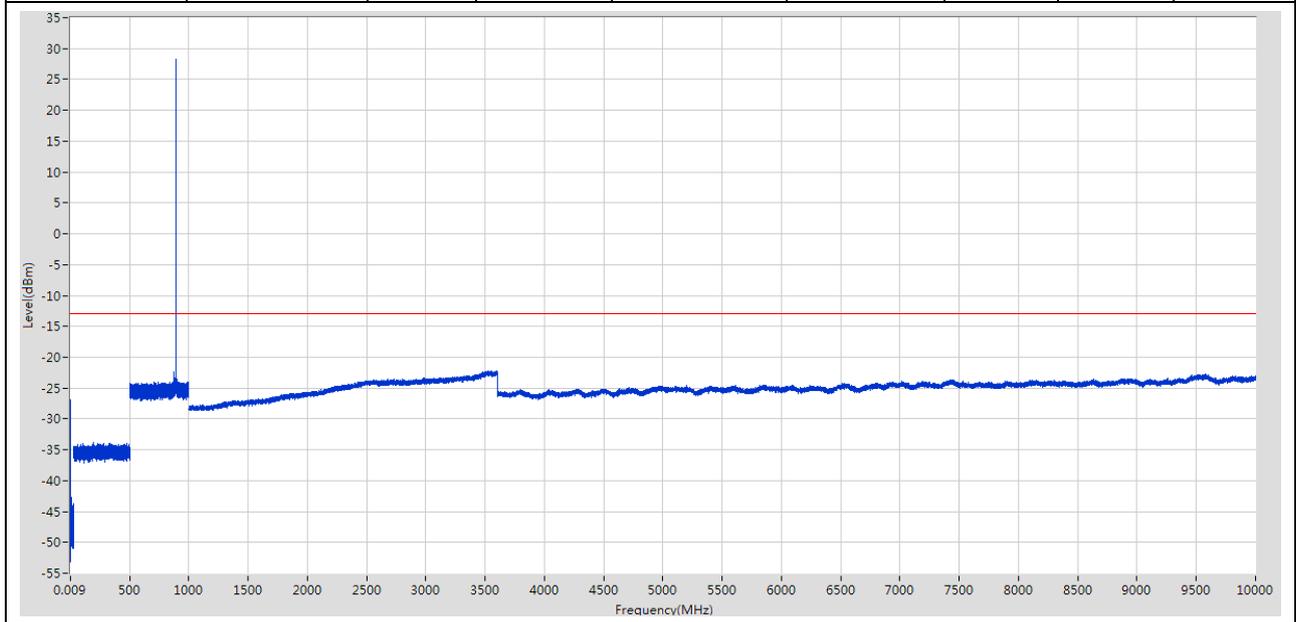
### 2.2.2.4 DL\_1U\_TM1\_M\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.057 k	-38.76	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-31.06	-13	Pass	15001
30	500	0.1	RMS	192.74 M	-33.8	-13	Pass	23501
500	1000	0.1	RMS	880.8 M	28.57	-13	Fail	25001
1000	10000	1	RMS	3557.085233 M	-22.19	-13	Pass	45002



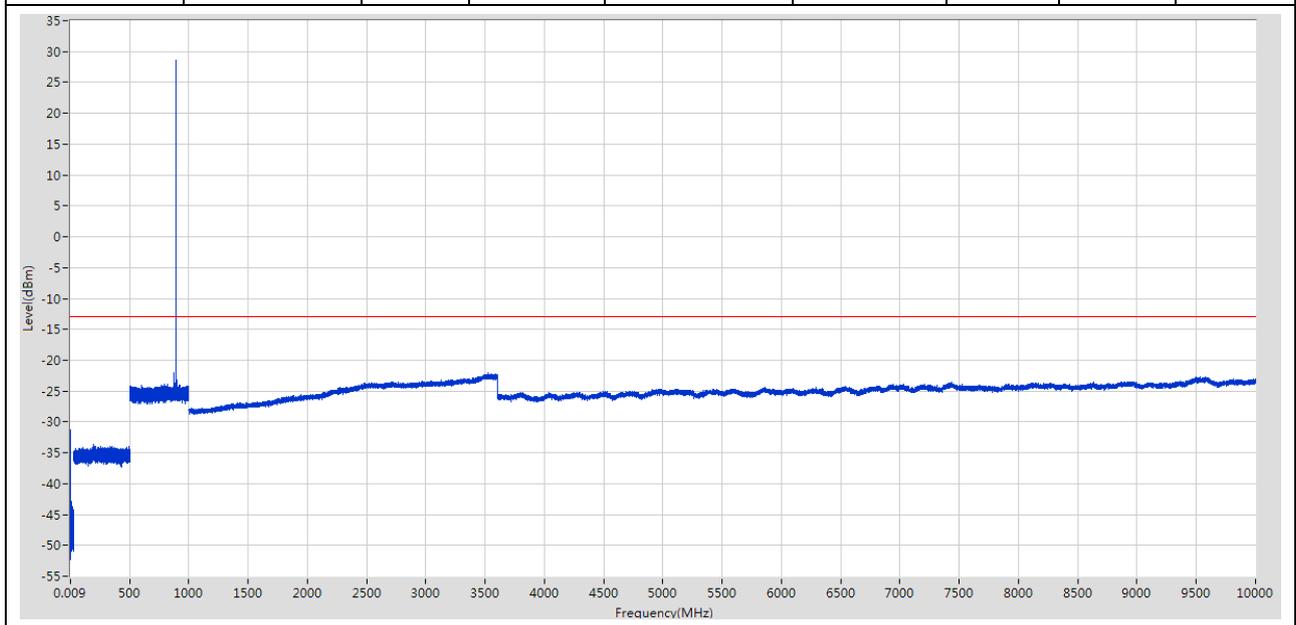
### 2.2.2.5 DL\_1U\_TM1\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-38.15	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-26.84	-13	Pass	15001
30	500	0.1	RMS	193.36 M	-33.82	-13	Pass	23501
500	1000	0.1	RMS	891.02 M	28.33	-13	Fail	25001
1000	10000	1	RMS	3554.28514 M	-22.19	-13	Pass	45002



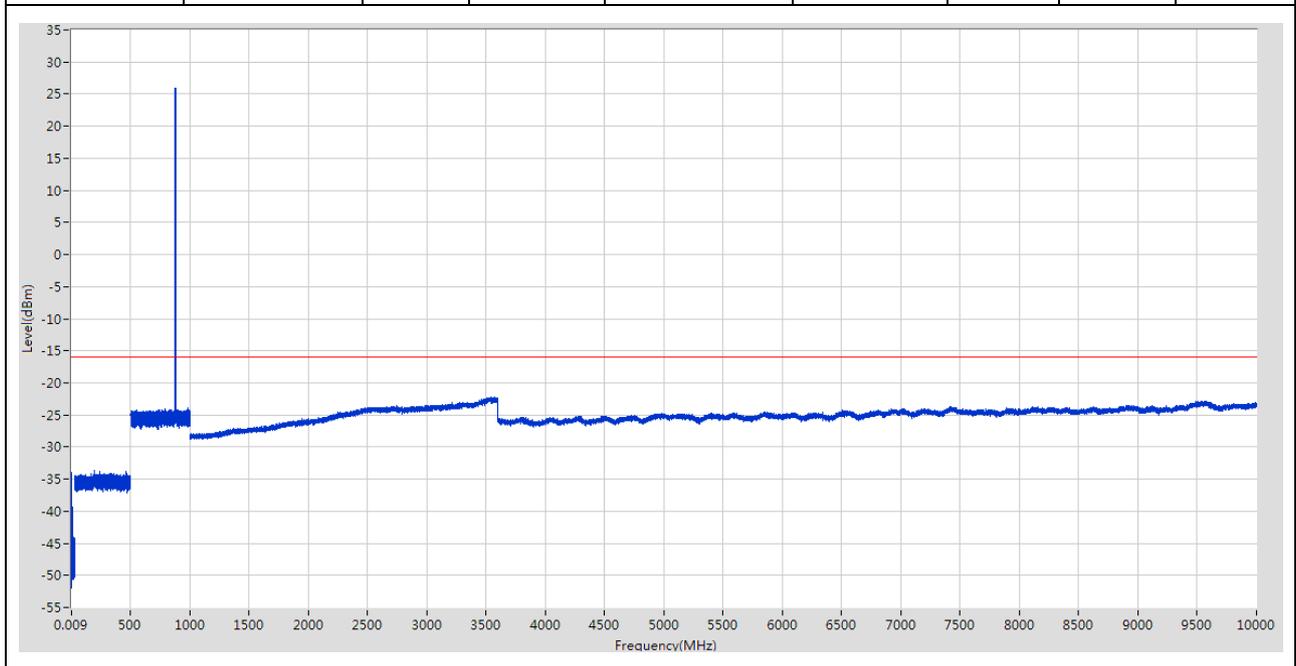
### 2.2.2.6 DL\_1U\_TM1\_T\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.176 k	-39.27	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-31.33	-13	Pass	15001
30	500	0.1	RMS	193.04 M	-33.66	-13	Pass	23501
500	1000	0.1	RMS	890.98 M	28.6	-13	Fail	25001
1000	10000	1	RMS	3521.684053 M	-22.08	-13	Pass	45002



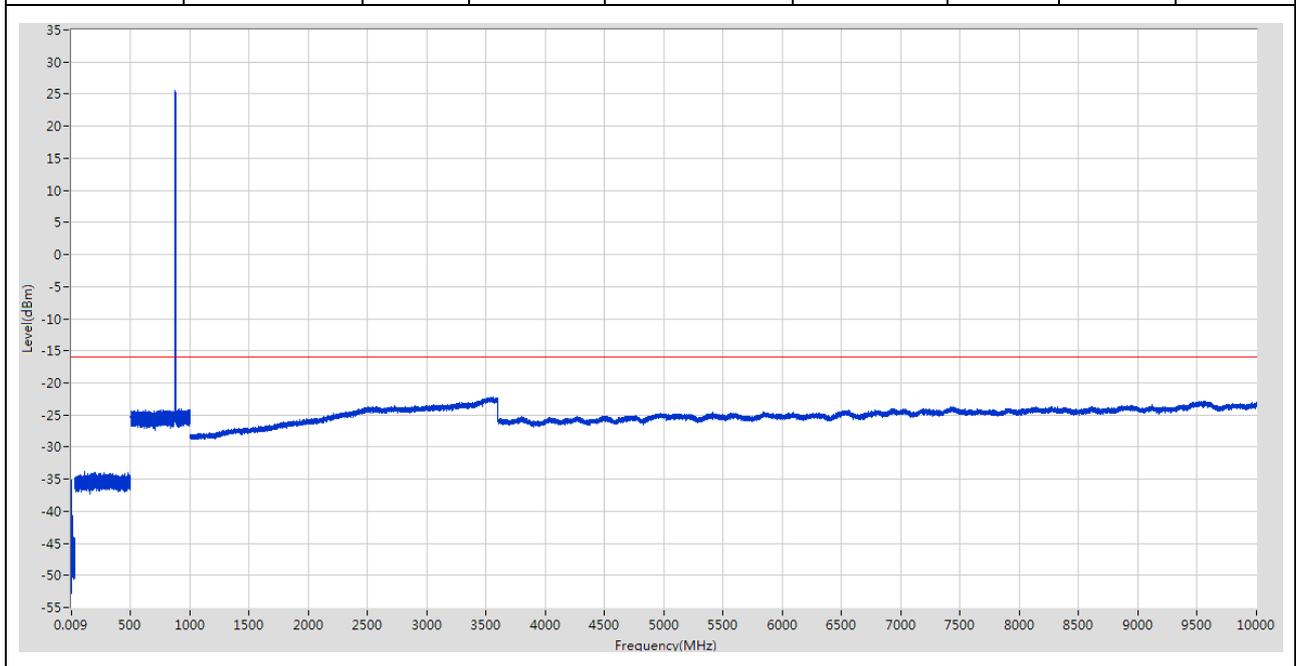
### 2.2.2.7 DL\_2U\_TM1\_B\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.176 k	-38.31	-16	Pass	801
0.15	30	0.01	RMS	317.16 k	-33.95	-16	Pass	15001
30	500	0.1	RMS	190.02 M	-33.69	-16	Pass	23501
500	1000	0.1	RMS	876.28 M	25.97	-16	Fail	25001
1000	10000	1	RMS	3564.685487 M	-22.25	-16	Pass	45002



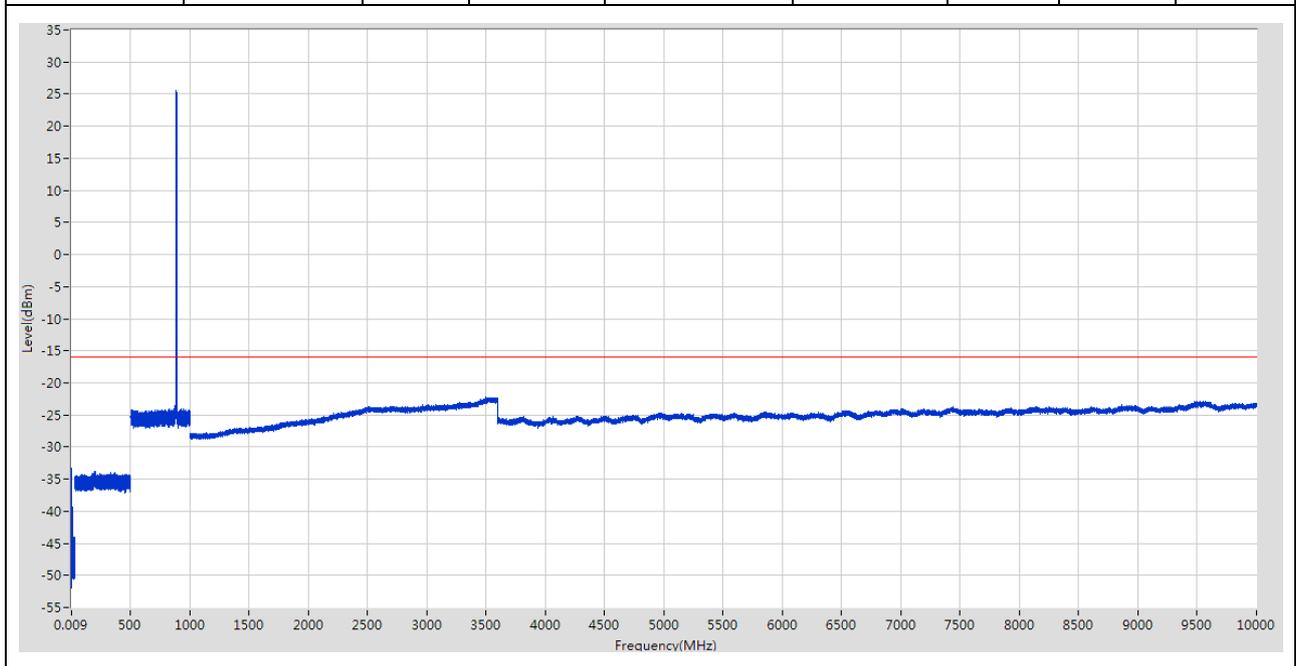
### 2.2.2.8 DL\_2U\_TM1\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.352 k	-38.77	-16	Pass	801
0.15	30	0.01	RMS	313.18 k	-35.07	-16	Pass	15001
30	500	0.1	RMS	105.94 M	-33.86	-16	Pass	23501
500	1000	0.1	RMS	875.78 M	25.53	-16	Fail	25001
1000	10000	1	RMS	3542.484747 M	-22.21	-16	Pass	45002



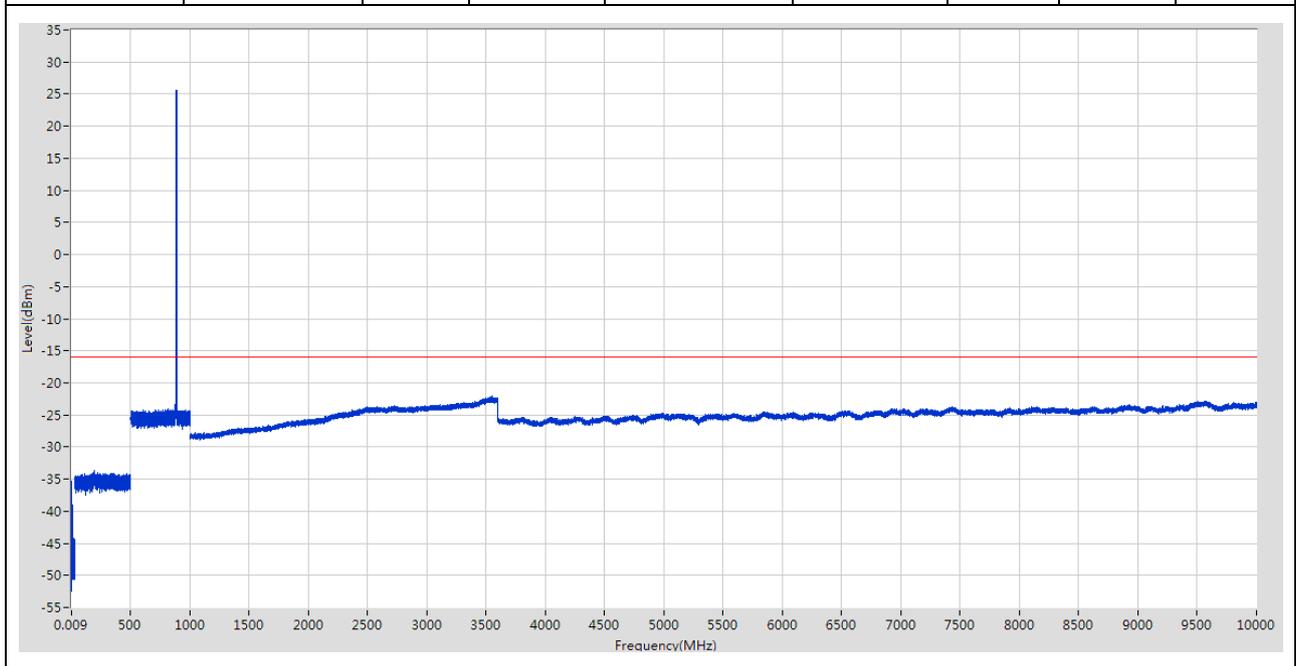
### 2.2.2.9 DL\_2U\_TM1\_M\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.352 k	-38.89	-16	Pass	801
0.15	30	0.01	RMS	315.17 k	-33.26	-16	Pass	15001
30	500	0.1	RMS	200.12 M	-33.81	-16	Pass	23501
500	1000	0.1	RMS	883.8 M	25.57	-16	Fail	25001
1000	10000	1	RMS	3496.883227 M	-22.25	-16	Pass	45002



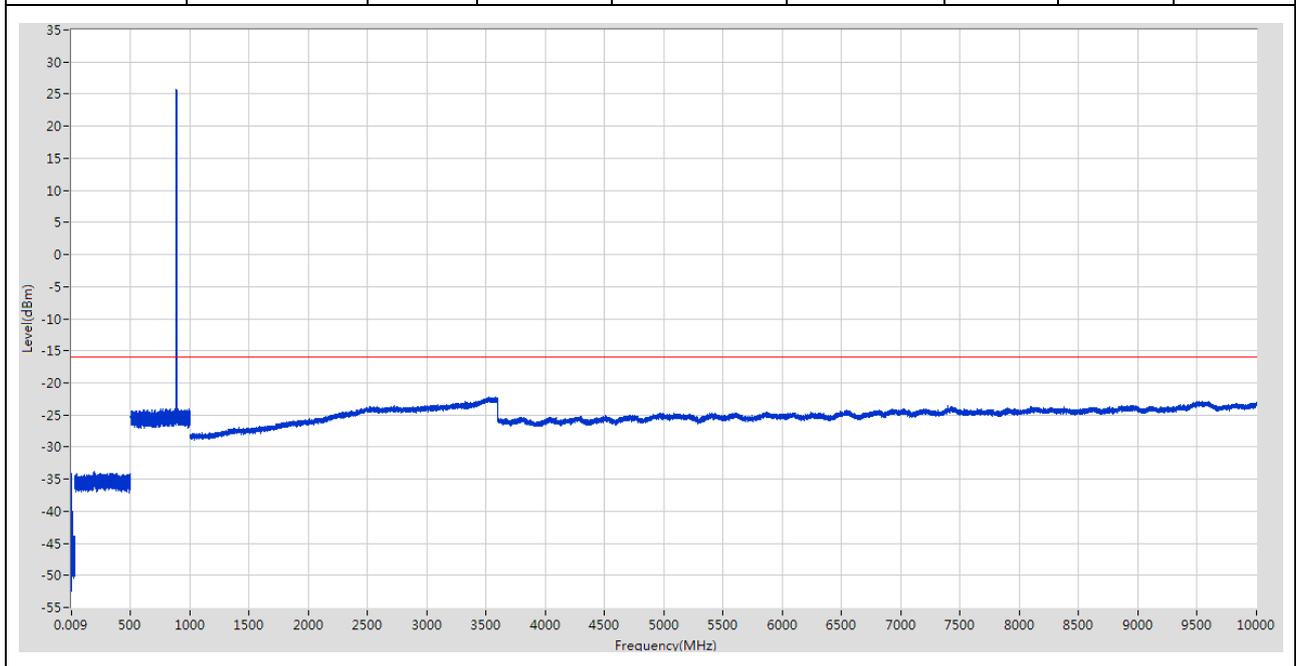
### 2.2.2.10 DL\_2U\_TM1\_M\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.234 k	-38.97	-16	Pass	801
0.15	30	0.01	RMS	319.15 k	-35.24	-16	Pass	15001
30	500	0.1	RMS	192.24 M	-33.69	-16	Pass	23501
500	1000	0.1	RMS	880.5 M	25.65	-16	Fail	25001
1000	10000	1	RMS	3547.484913 M	-22.11	-16	Pass	45002



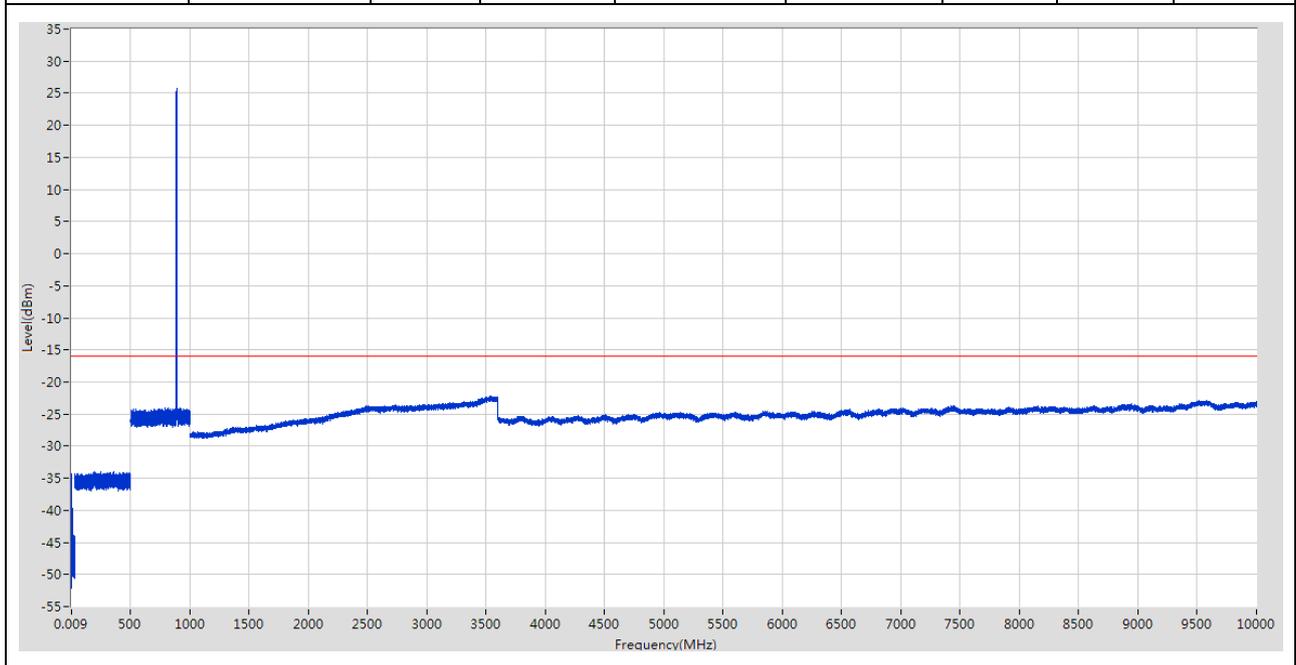
### 2.2.2.11 DL\_2U\_TM1\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.881 k	-39.1	-16	Pass	801
0.15	30	0.01	RMS	315.17 k	-34.06	-16	Pass	15001
30	500	0.1	RMS	190.28 M	-33.87	-16	Pass	23501
500	1000	0.1	RMS	885.02 M	25.71	-16	Fail	25001
1000	10000	1	RMS	3518.88396 M	-22.27	-16	Pass	45002



### 2.2.2.12 DL\_2U\_TM1\_T\_ANTB

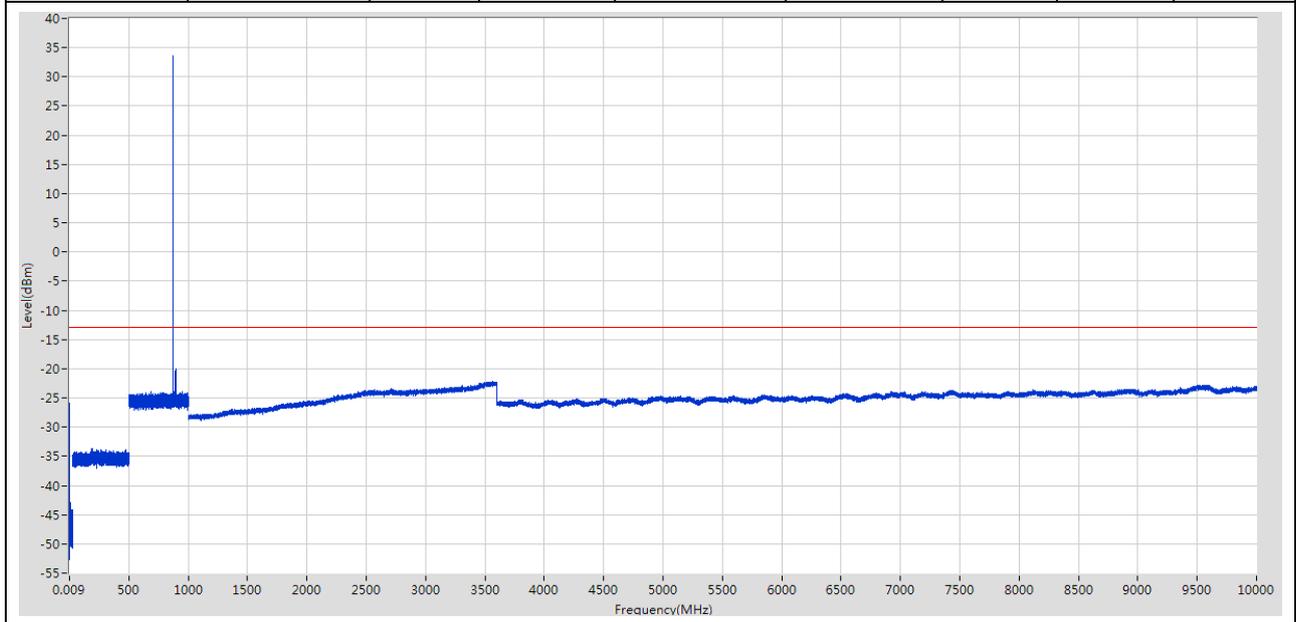
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.705 k	-38.65	-16	Pass	801
0.15	30	0.01	RMS	313.18 k	-34.26	-16	Pass	15001
30	500	0.1	RMS	192 M	-33.95	-16	Pass	23501
500	1000	0.1	RMS	886.28 M	25.76	-16	Fail	25001
1000	10000	1	RMS	3529.0843 M	-22.23	-16	Pass	45002



## 2.2.3 LTE system

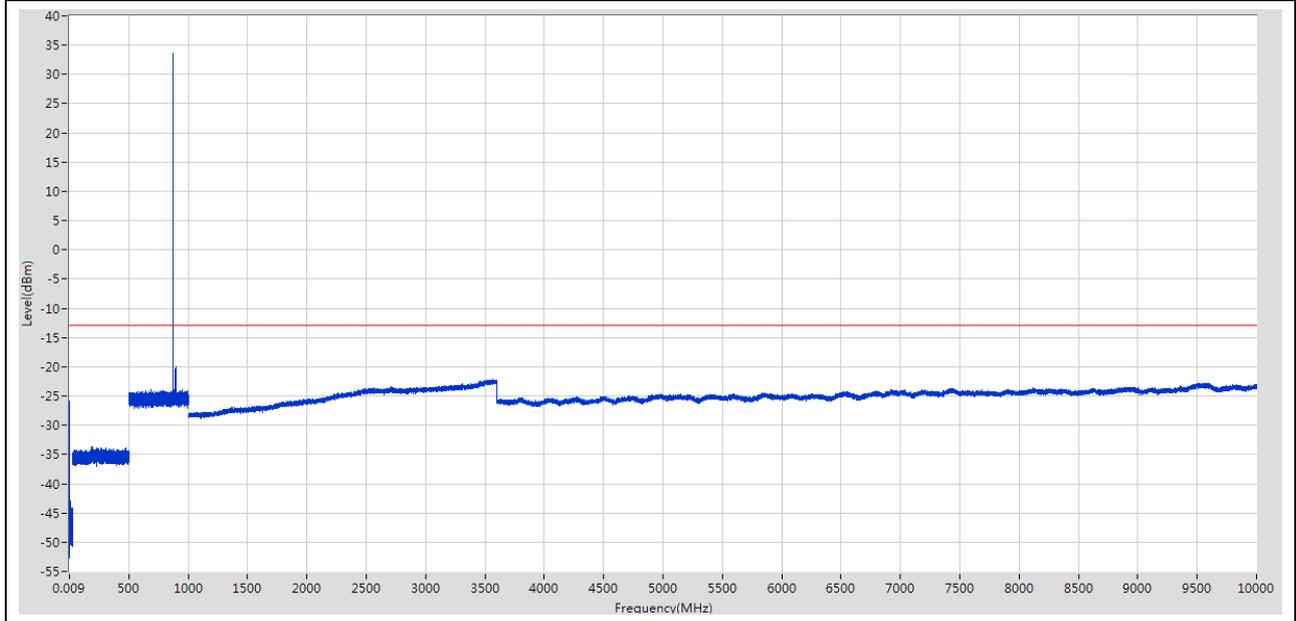
### 2.2.3.1 DL\_1L\_1.4M\_B\_ANT

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.352 k	-38.48	-13	Pass	801
0.15	30	0.01	RMS	317.16 k	-25.82	-13	Pass	15001
30	500	0.1	RMS	188.58 M	-33.62	-13	Pass	23501
500	1000	0.1	RMS	870.02 M	33.52	-13	Fail	25001
1000	10000	1	RMS	3565.0855 M	-22.23	-13	Pass	45002



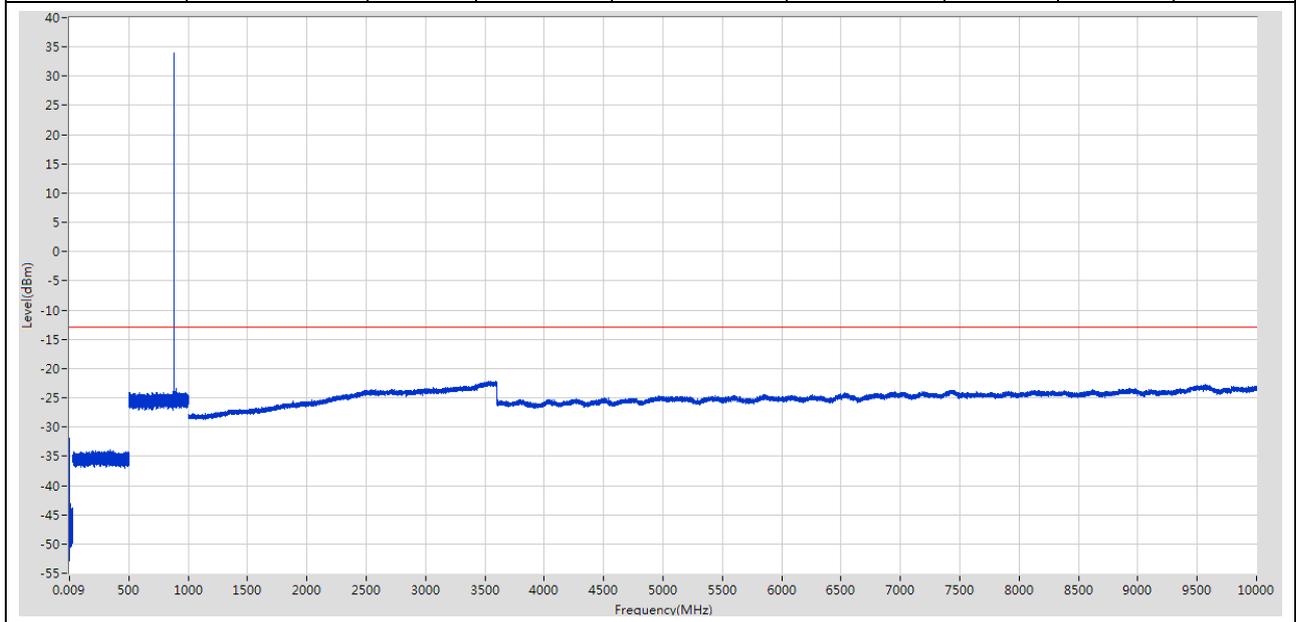
### 2.2.3.2 DL\_1L\_1.4M\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.352 k	-38.48	-13	Pass	801
0.15	30	0.01	RMS	317.16 k	-25.82	-13	Pass	15001
30	500	0.1	RMS	188.58 M	-33.62	-13	Pass	23501
500	1000	0.1	RMS	870.02 M	33.52	-13	Fail	25001
1000	10000	1	RMS	3565.0855 M	-22.23	-13	Pass	45002



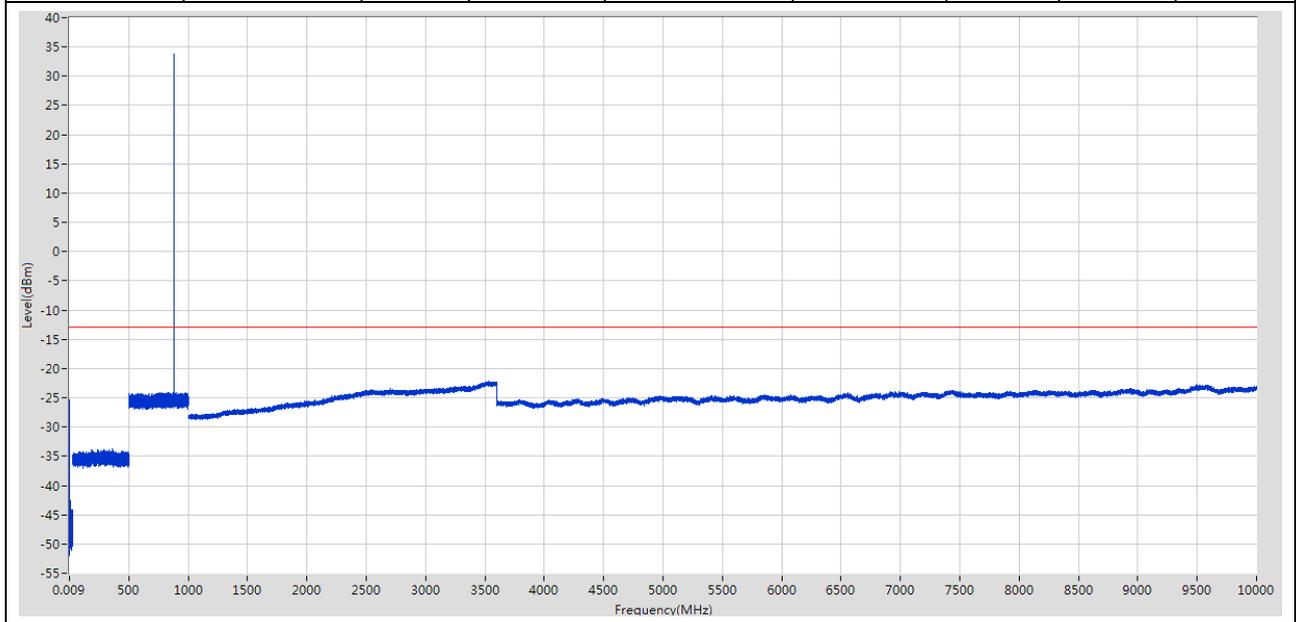
### 2.2.3.3 DL\_1L\_1.4M\_M\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.705 k	-38.47	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-31.93	-13	Pass	15001
30	500	0.1	RMS	345.04 M	-33.91	-13	Pass	23501
500	1000	0.1	RMS	881.66 M	33.9	-13	Fail	25001
1000	10000	1	RMS	3527.88426 M	-22.1	-13	Pass	45002



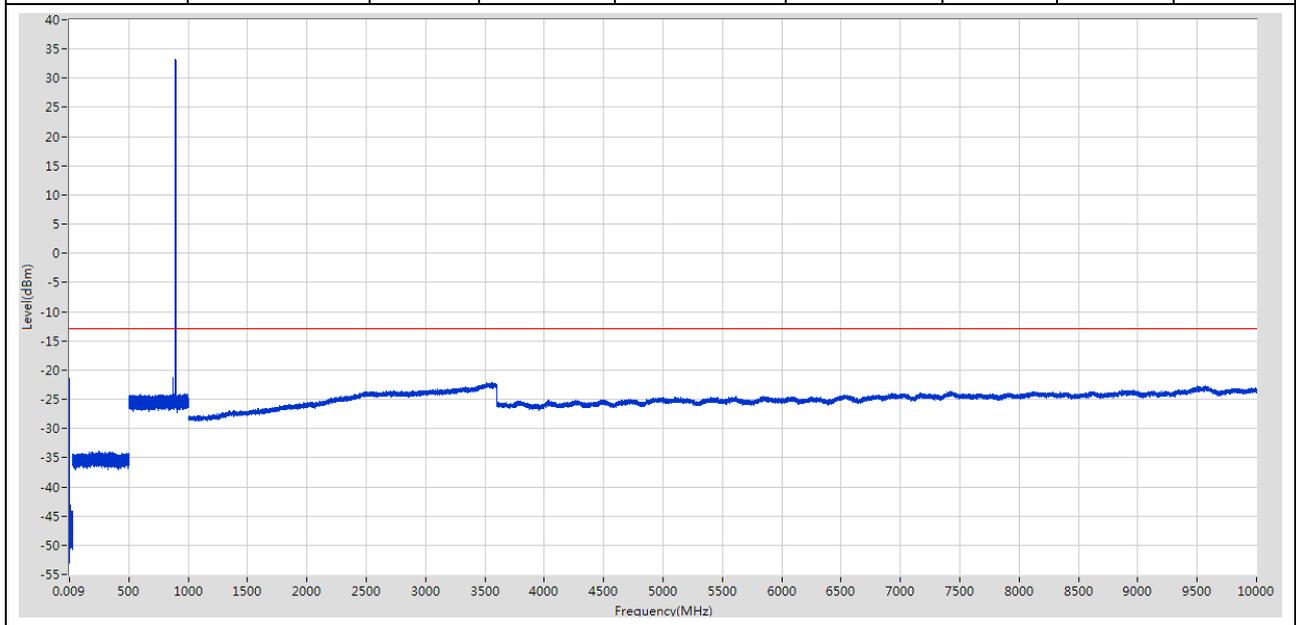
### 2.2.3.4 DL\_1L\_1.4M\_M\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.41 k	-39.05	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-25.35	-13	Pass	15001
30	500	0.1	RMS	357.04 M	-33.75	-13	Pass	23501
500	1000	0.1	RMS	881.66 M	33.86	-13	Fail	25001
1000	10000	1	RMS	3528.684287 M	-22.2	-13	Pass	45002



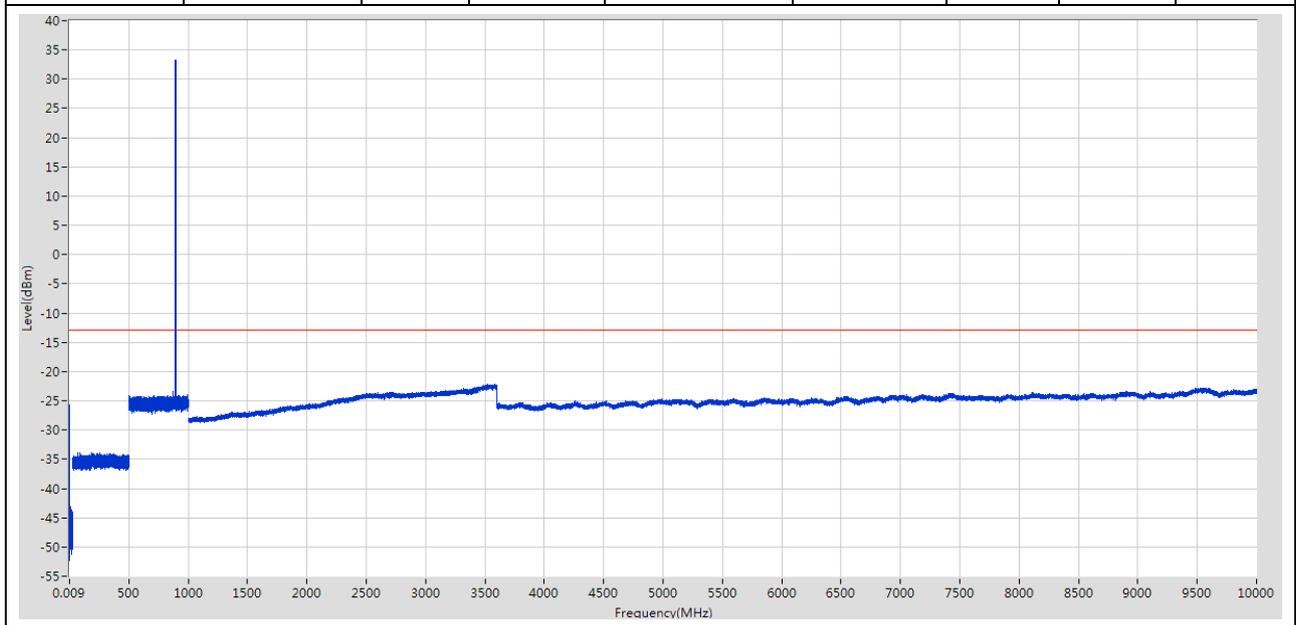
### 2.2.3.5 DL\_1L\_1.4M\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-39.11	-13	Pass	801
0.15	30	0.01	RMS	317.16 k	-21.37	-13	Pass	15001
30	500	0.1	RMS	242.16 M	-33.9	-13	Pass	23501
500	1000	0.1	RMS	893.46 M	33.29	-13	Fail	25001
1000	10000	1	RMS	3562.0854 M	-22.16	-13	Pass	45002



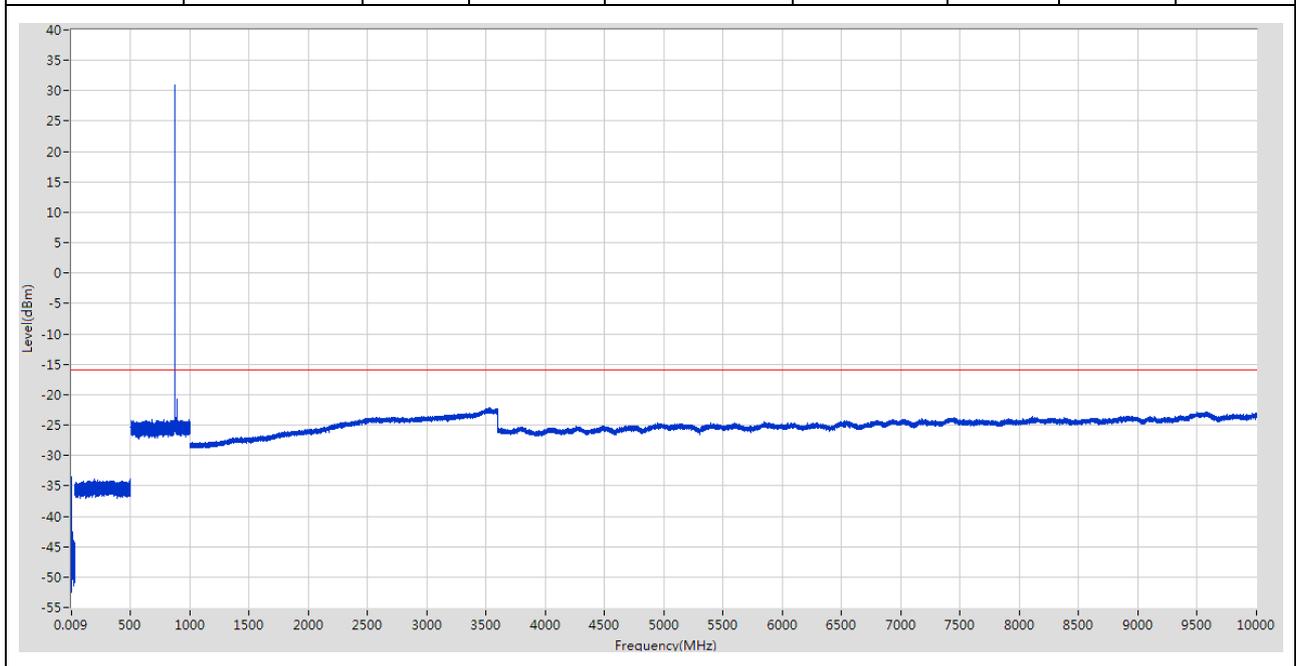
### 2.2.3.6 DL\_1L\_1.4M\_T\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.705 k	-38.25	-13	Pass	801
0.15	30	0.01	RMS	315.17 k	-25.69	-13	Pass	15001
30	500	0.1	RMS	89.48 M	-33.88	-13	Pass	23501
500	1000	0.1	RMS	893.16 M	33.33	-13	Fail	25001
1000	10000	1	RMS	3517.283907 M	-22.15	-13	Pass	45002



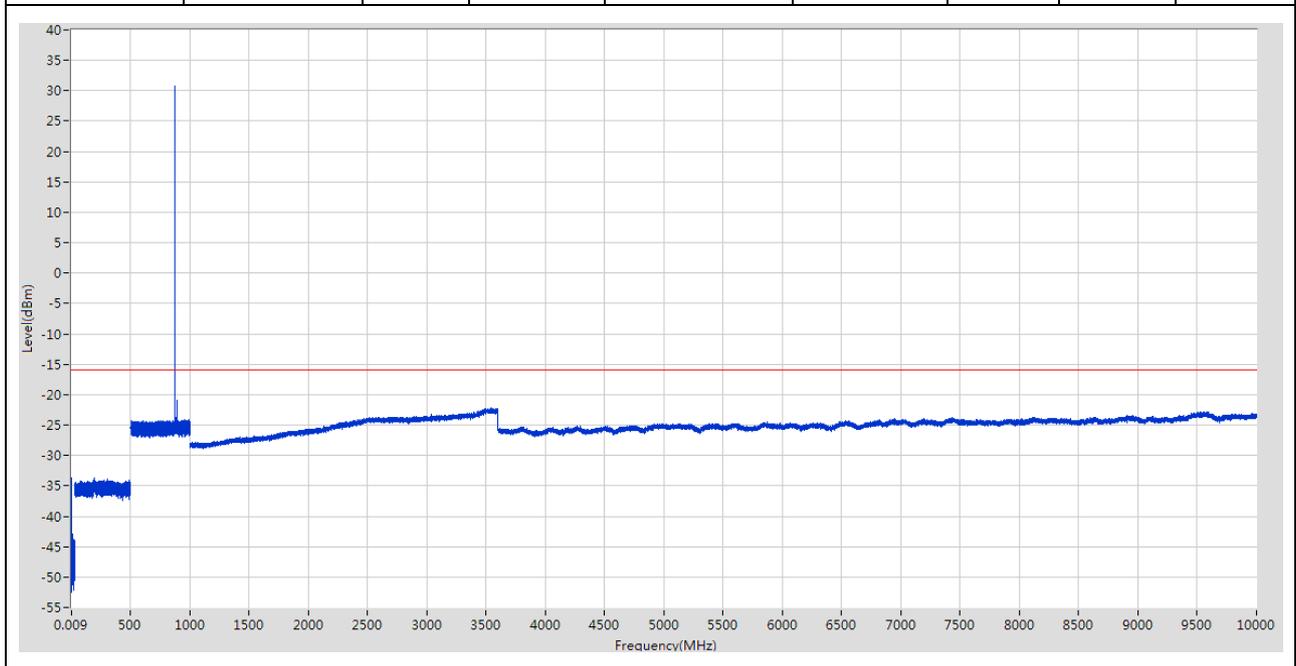
### 2.2.3.7 DL\_2L\_1.4M\_B\_ANT

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.705 k	-38.22	-16	Pass	801
0.15	30	0.01	RMS	313.18 k	-33.51	-16	Pass	15001
30	500	0.1	RMS	491.28 M	-33.88	-16	Pass	23501
500	1000	0.1	RMS	871.24 M	31.02	-16	Fail	25001
1000	10000	1	RMS	3519.683987 M	-22.16	-16	Pass	45002



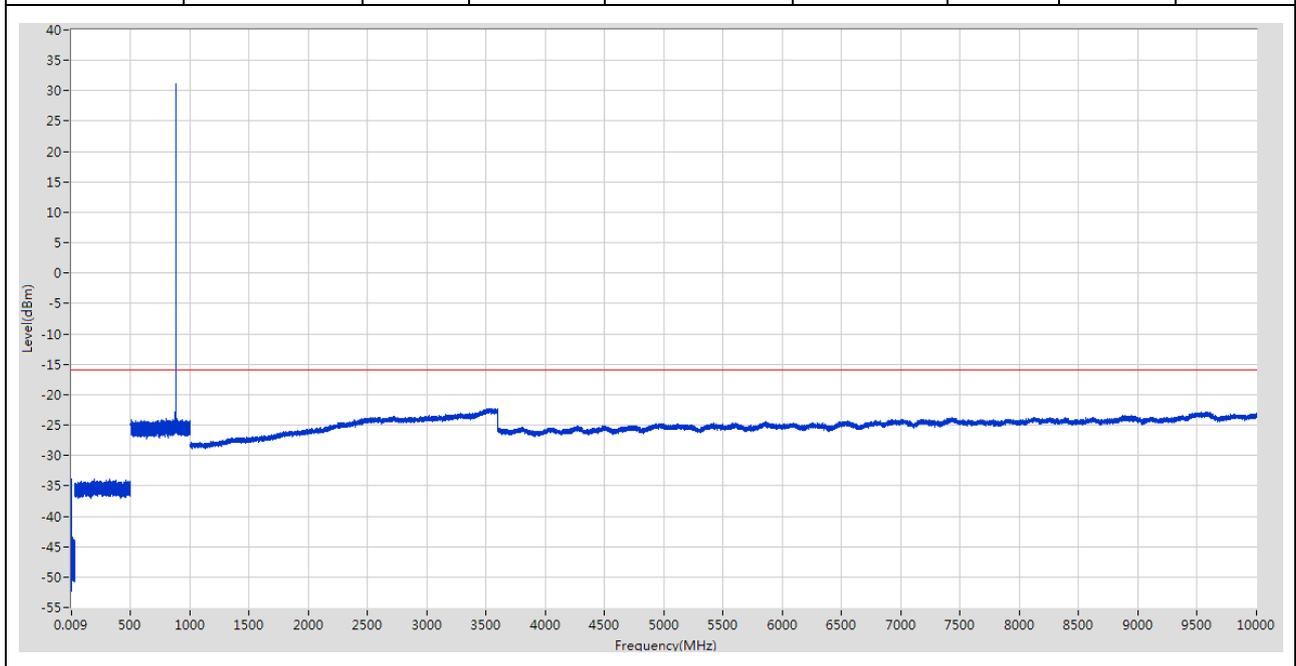
### 2.2.3.8 DL\_2L\_1.4M\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.176 k	-39.25	-16	Pass	801
0.15	30	0.01	RMS	315.17 k	-33.77	-16	Pass	15001
30	500	0.1	RMS	192.54 M	-33.71	-16	Pass	23501
500	1000	0.1	RMS	870.88 M	30.7	-16	Fail	25001
1000	10000	1	RMS	3542.684753 M	-22.15	-16	Pass	45002



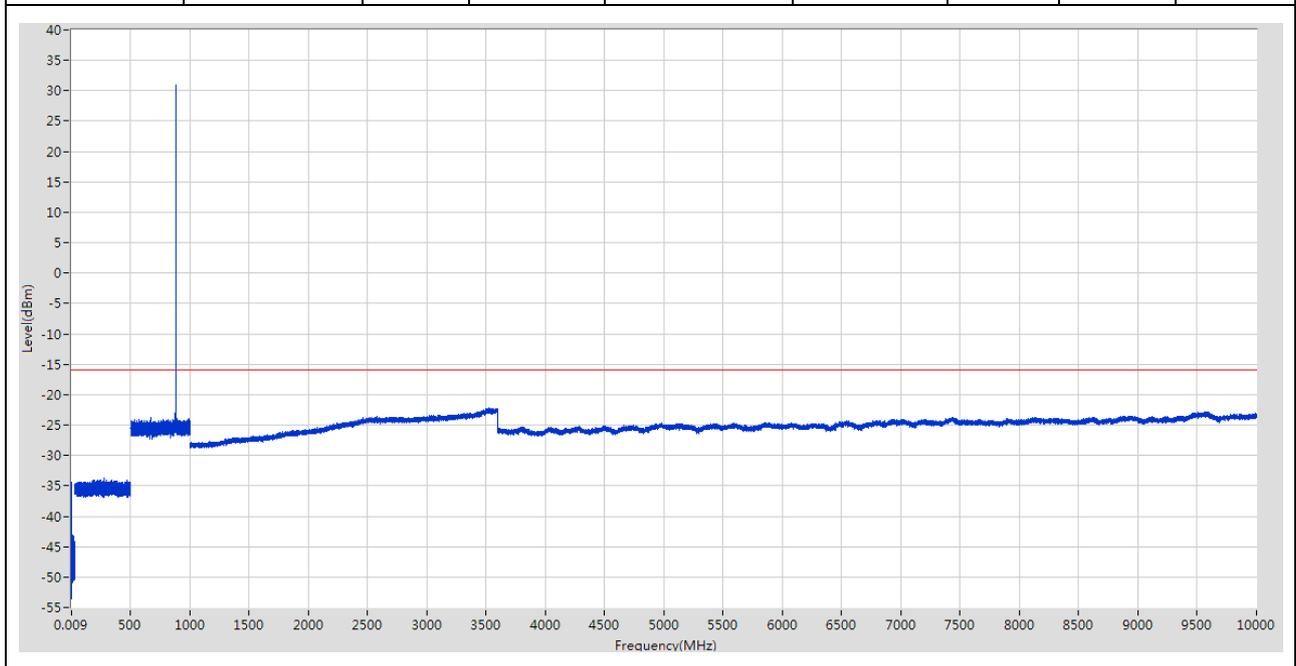
### 2.2.3.9 DL\_2L\_1.4M\_M\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	11.996 k	-39.12	-16	Pass	801
0.15	30	0.01	RMS	317.16 k	-33.89	-16	Pass	15001
30	500	0.1	RMS	194.68 M	-33.88	-16	Pass	23501
500	1000	0.1	RMS	881.14 M	31.07	-16	Fail	25001
1000	10000	1	RMS	3530.684353 M	-22.26	-16	Pass	45002



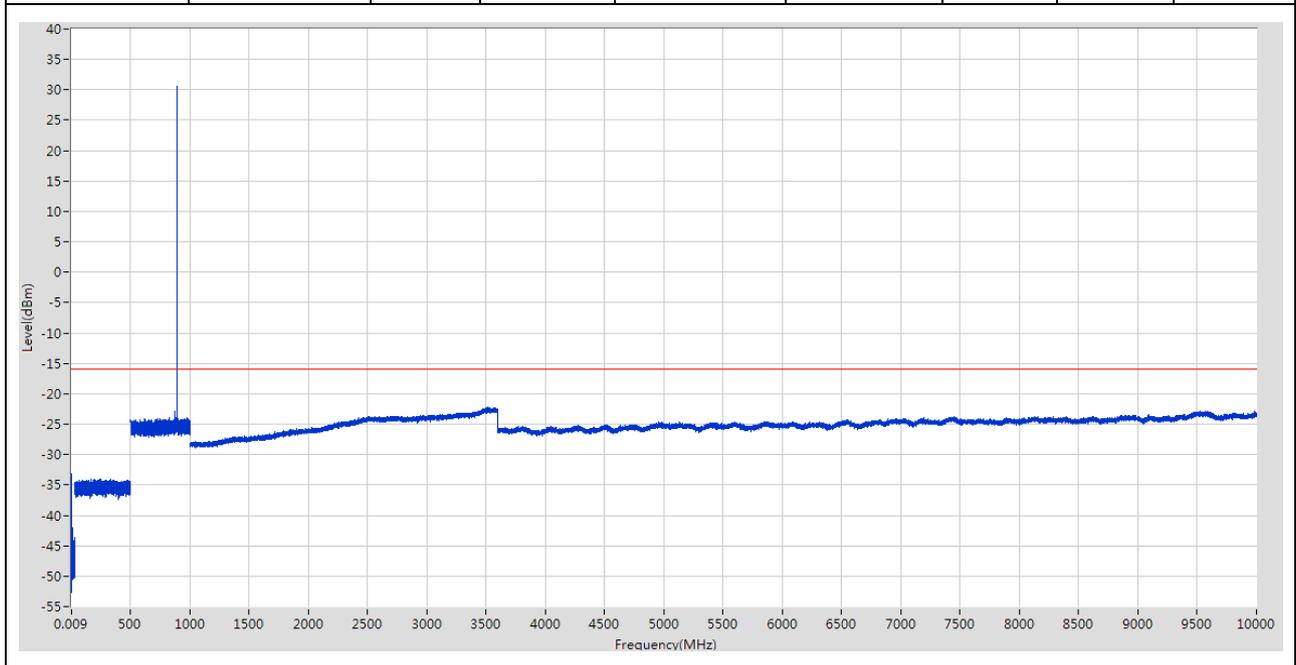
### 2.2.3.10 DL\_2L\_1.4M\_M\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-38.49	-16	Pass	801
0.15	30	0.01	RMS	317.16 k	-34.44	-16	Pass	15001
30	500	0.1	RMS	275.12 M	-33.66	-16	Pass	23501
500	1000	0.1	RMS	881.14 M	31.03	-16	Fail	25001
1000	10000	1	RMS	3525.884193 M	-22.24	-16	Pass	45002



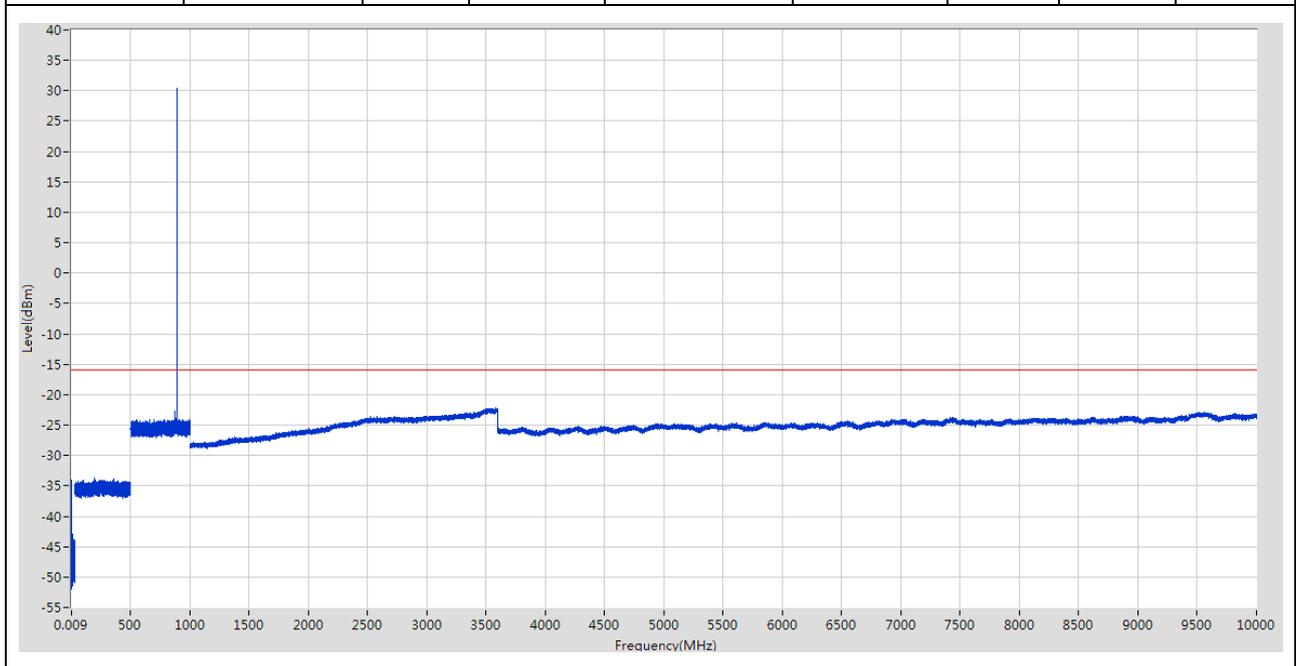
### 2.2.3.11 DL\_2L\_1.4M\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.762 k	-37.62	-16	Pass	801
0.15	30	0.01	RMS	315.17 k	-33.15	-16	Pass	15001
30	500	0.1	RMS	333.66 M	-33.99	-16	Pass	23501
500	1000	0.1	RMS	892.06 M	30.52	-16	Fail	25001
1000	10000	1	RMS	3511.0837 M	-22.23	-16	Pass	45002



### 2.2.3.12 DL\_2L\_1.4M\_T\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	11.82 k	-39.56	-16	Pass	801
0.15	30	0.01	RMS	317.16 k	-33.98	-16	Pass	15001
30	500	0.1	RMS	188.88 M	-33.68	-16	Pass	23501
500	1000	0.1	RMS	892.18 M	30.48	-16	Fail	25001
1000	10000	1	RMS	3573.685787 M	-22.21	-16	Pass	45002

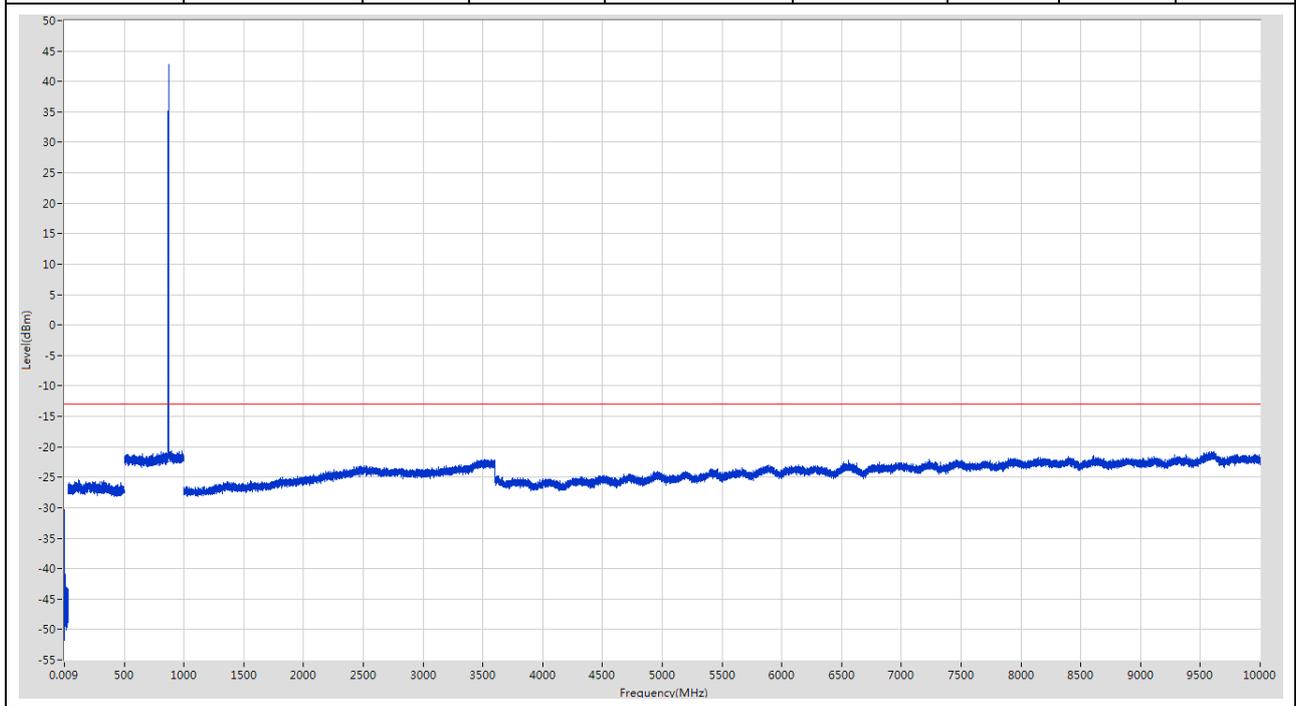


### 2.3 Downlink Test Plots (input signal +10dB with AGC activated)

#### 2.3.1 GSM system

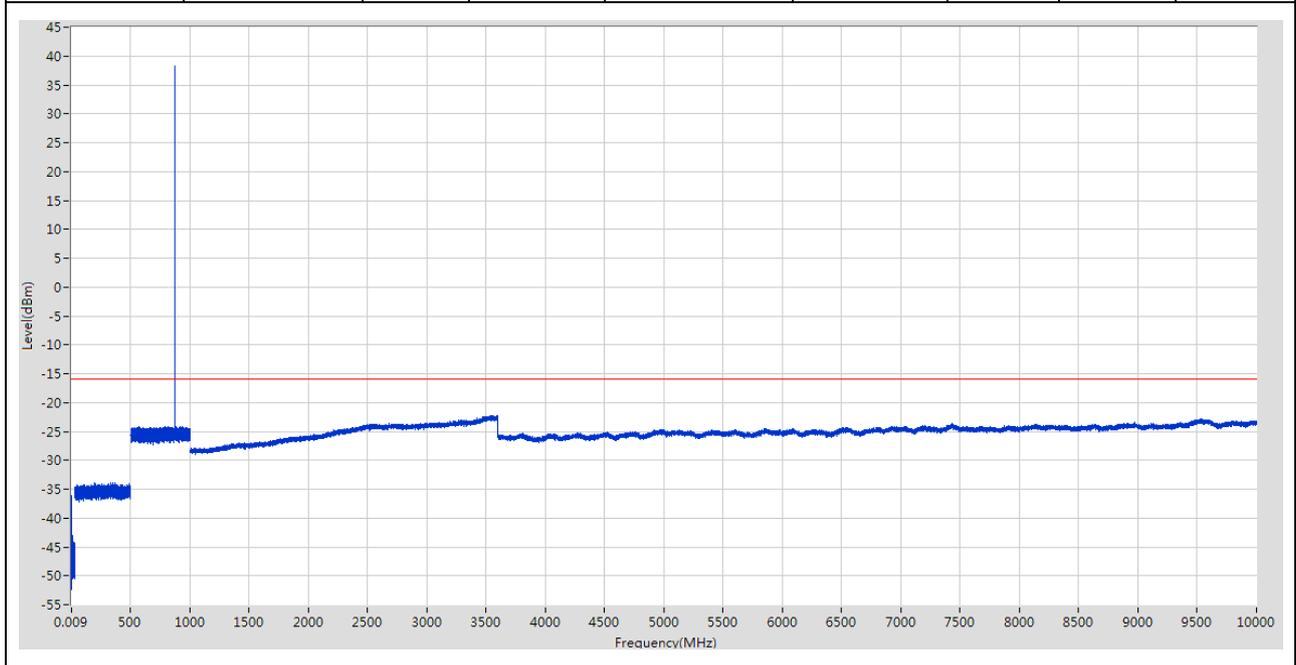
##### 2.3.1.1 DL\_2G\_TM1\_B\_ANT

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	16.05 k	-30.27	-13	Pass	801
0.15	30	0.01	RMS	153.98 k	-30.55	-13	Pass	15001
30	500	1	RMS	114.0125 M	-25.46	-13	Pass	2401
500	1000	1	RMS	869.8 M	42.73	-13	Fail	2501
1000	10000	1	RMS	9572.428507 M	-20.78	-13	Pass	45002



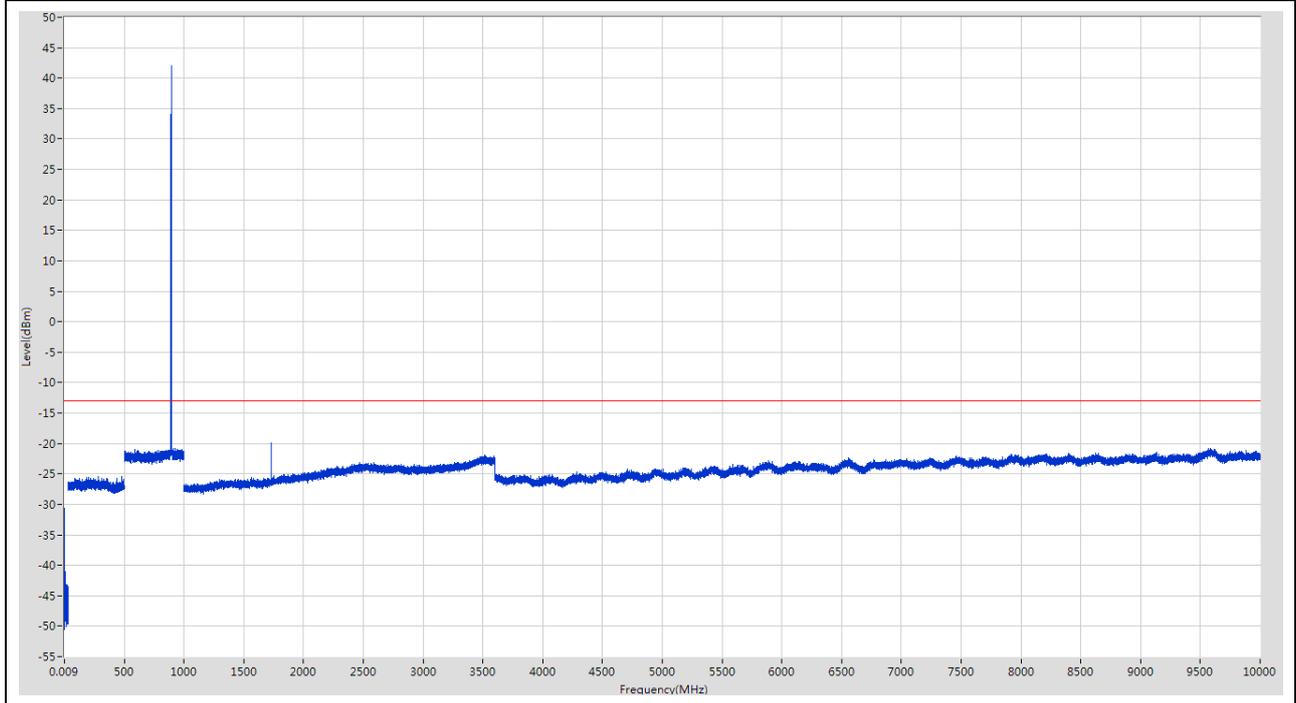
2.3.1.2 DL\_2G\_TM1\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.176 k	-39.46	-16	Pass	801
0.15	30	0.01	RMS	167.91 k	-36.18	-16	Pass	15001
30	500	0.1	RMS	331.56 M	-33.89	-16	Pass	23501
500	1000	0.1	RMS	870 M	38.21	-16	Fail	25001
1000	10000	1	RMS	3582.686087 M	-22.26	-16	Pass	45002



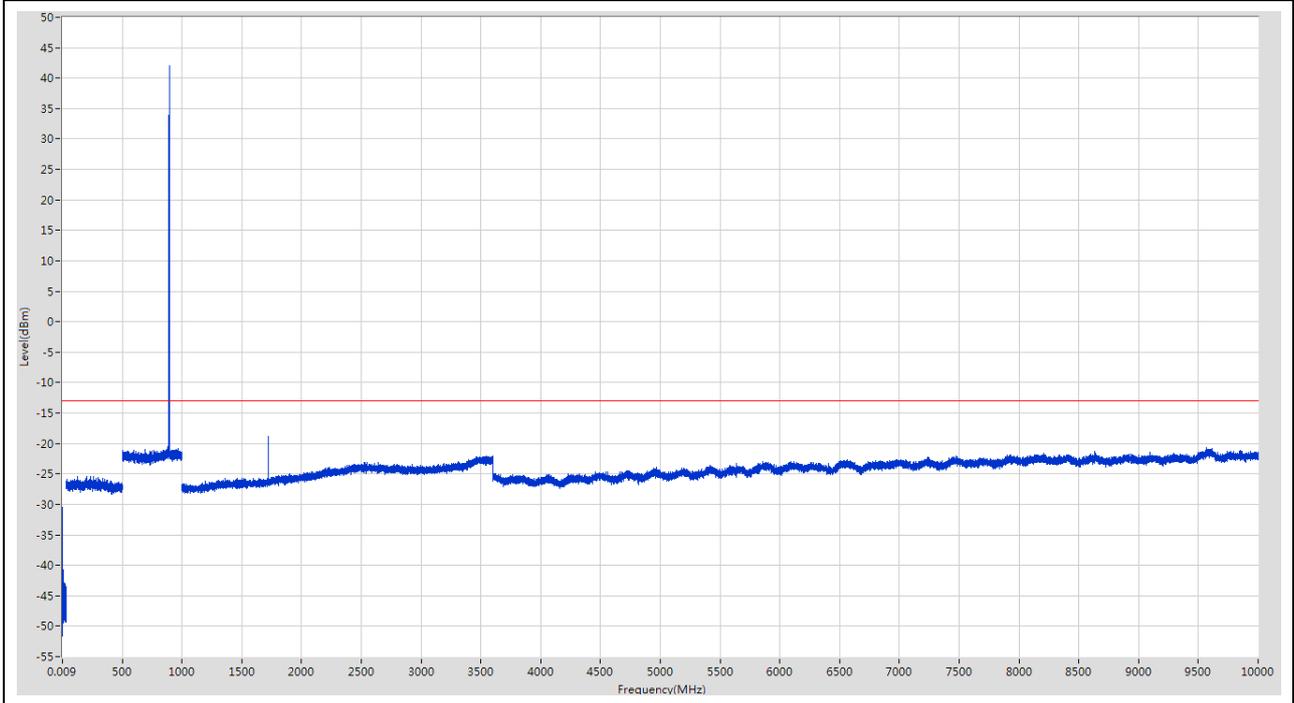
2.3.1.3 DL\_2G\_TM1\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	16.226 k	-31.84	-13	Pass	801
0.15	30	0.01	RMS	153.98 k	-30.7	-13	Pass	15001
30	500	1	RMS	286.7375 M	-25.45	-13	Pass	2401
500	1000	1	RMS	893.4 M	42.1	-13	Fail	2501
1000	10000	1	RMS	1726.62422 M	-19.94	-13	Pass	45002



2.3.1.4 DL\_2G\_TM1\_T\_ANTB

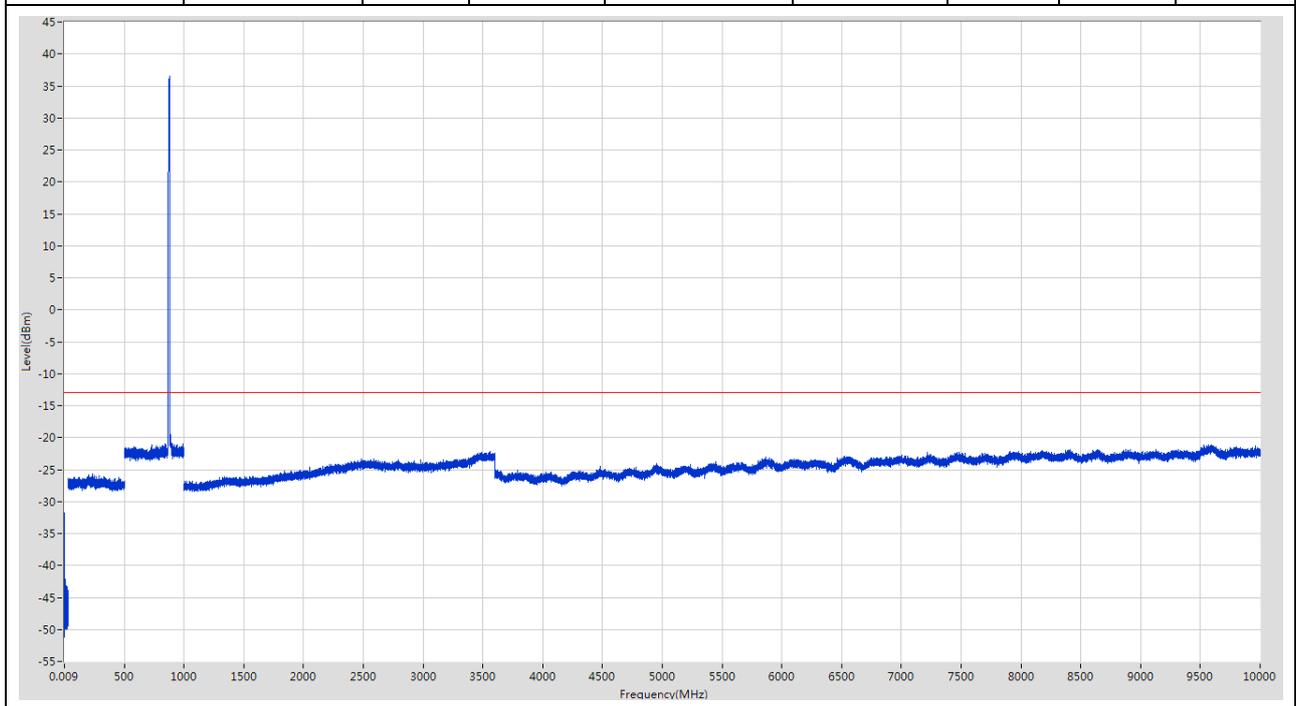
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	15.521 k	-33.95	-13	Pass	801
0.15	30	0.01	RMS	157.96 k	-30.41	-13	Pass	15001
30	500	1	RMS	256.1875 M	-25.44	-13	Pass	2401
500	1000	1	RMS	893.4 M	42.03	-13	Fail	2501
1000	10000	1	RMS	1724.624153 M	-18.84	-13	Pass	45002



### 2.3.2 UMTS system

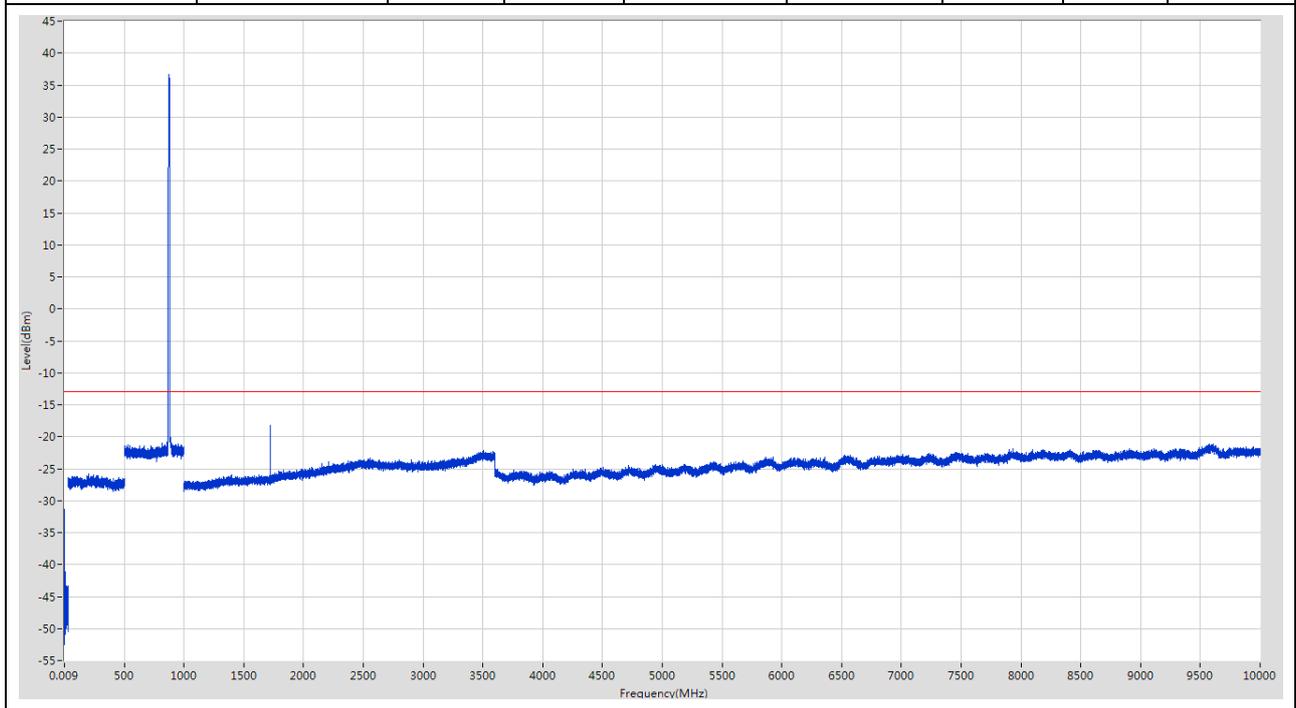
#### 2.3.2.1 DL\_2U\_TM1\_B\_ANT

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	14.111 k	-31.72	-13	Pass	801
0.15	30	0.01	RMS	155.97 k	-32.44	-13	Pass	15001
30	500	1	RMS	237.975 M	-25.65	-13	Pass	2401
500	1000	1	RMS	876.8 M	36.52	-13	Fail	2501
1000	10000	1	RMS	9529.231387 M	-21.12	-13	Pass	45002



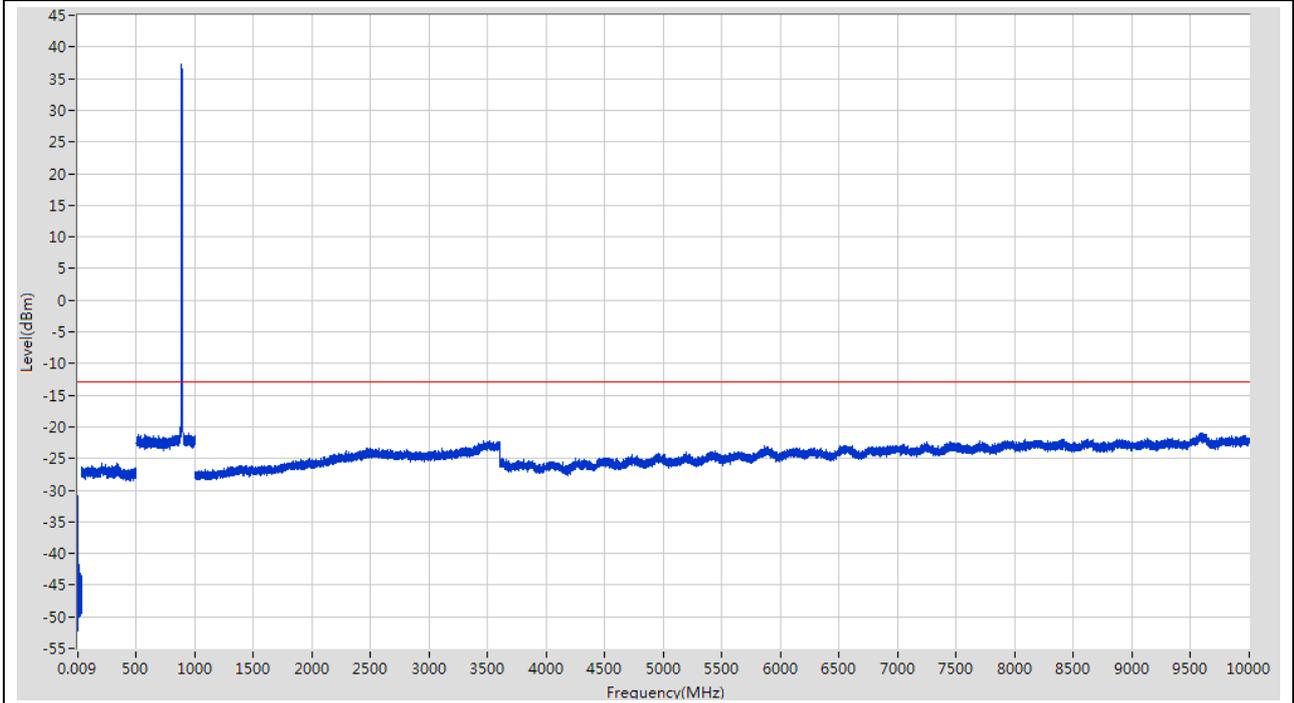
### 2.3.2.2 DL\_2U\_TM1\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	18.165 k	-31.37	-13	Pass	801
0.15	30	0.01	RMS	153.98 k	-32.01	-13	Pass	15001
30	500	1	RMS	201.158333 M	-25.85	-13	Pass	2401
500	1000	1	RMS	875.6 M	36.67	-13	Fail	2501
1000	10000	1	RMS	1720.62402 M	-18.18	-13	Pass	45002



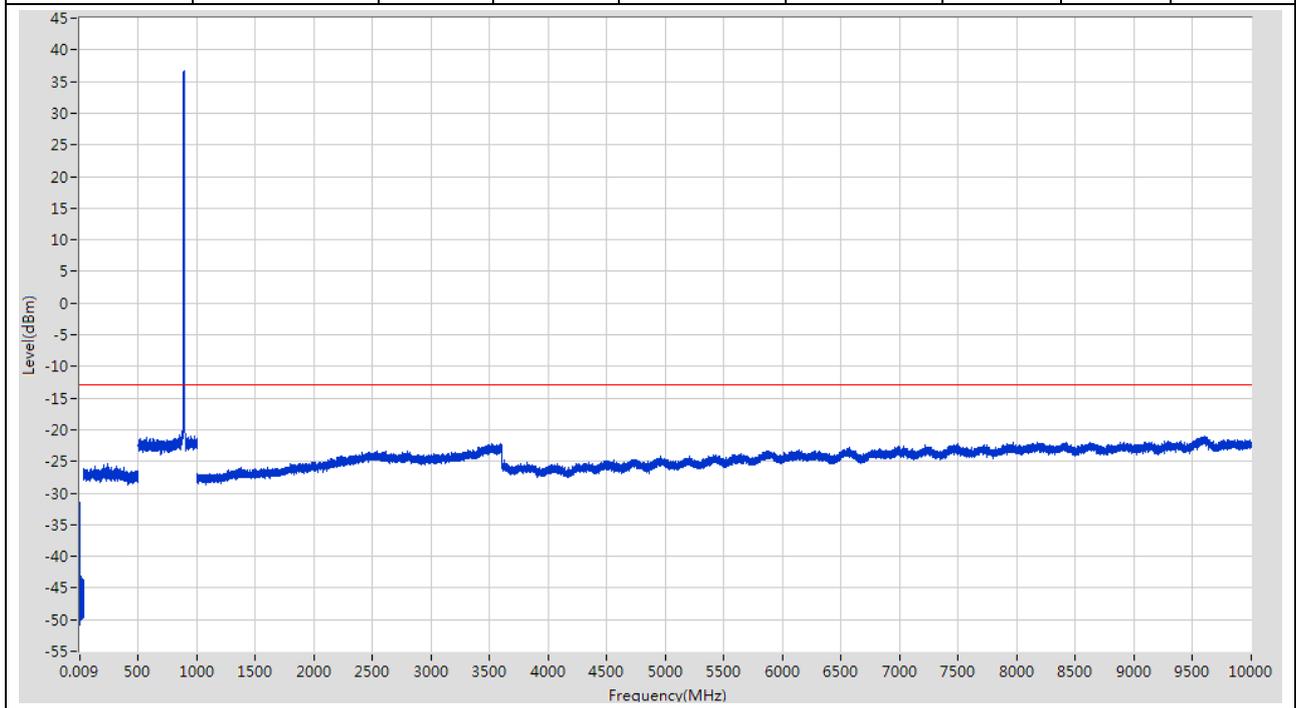
2.3.2.3 DL\_2U\_TM1\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	11.115 k	-30.82	-13	Pass	801
0.15	30	0.01	RMS	311.19 k	-32.88	-13	Pass	15001
30	500	1	RMS	207.425 M	-25.66	-13	Pass	2401
500	1000	1	RMS	886.6 M	37.24	-13	Fail	2501
1000	10000	1	RMS	9584.82768 M	-20.99	-13	Pass	45002



### 2.3.2.4 DL\_2U\_TM1\_T\_ANTB

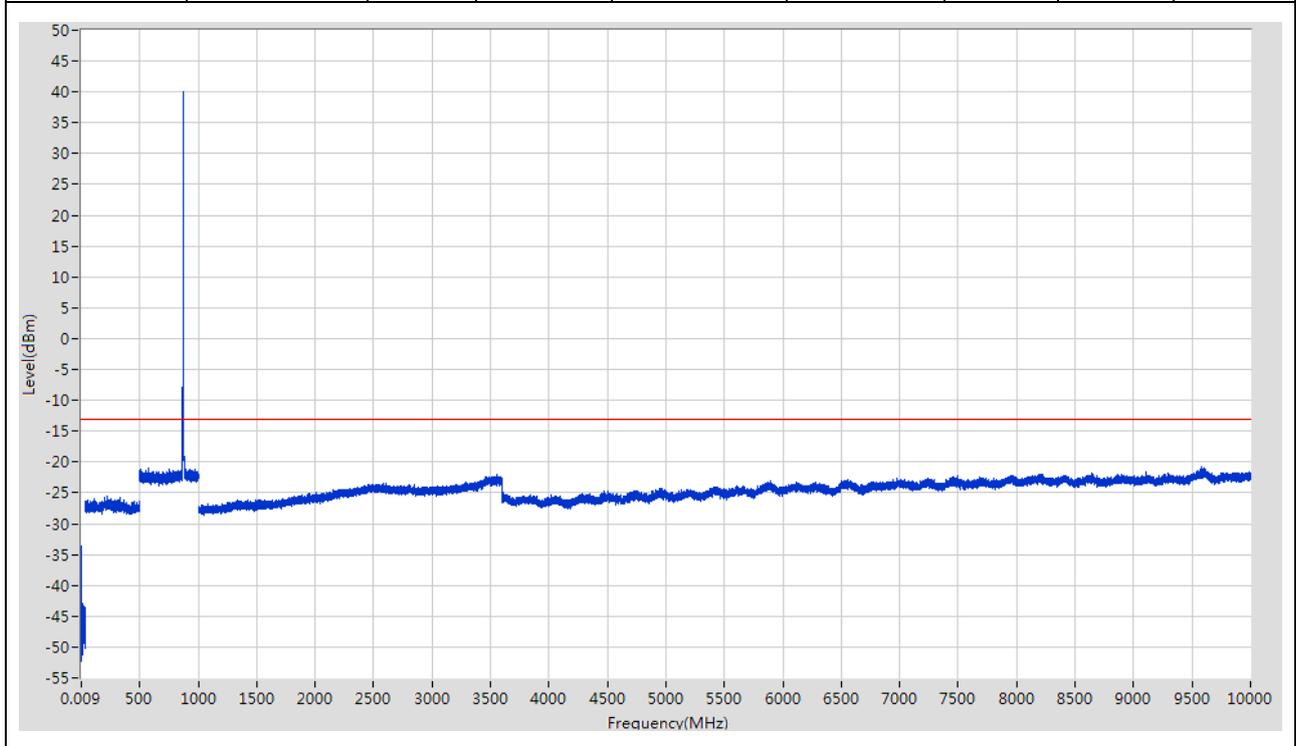
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	14.992 k	-31.39	-13	Pass	801
0.15	30	0.01	RMS	309.2 k	-32.59	-13	Pass	15001
30	500	1	RMS	240.716667 M	-25.4	-13	Pass	2401
500	1000	1	RMS	890.4 M	36.64	-13	Fail	2501
1000	10000	1	RMS	9598.62676 M	-21.07	-13	Pass	45002



### 2.3.3 LTE system

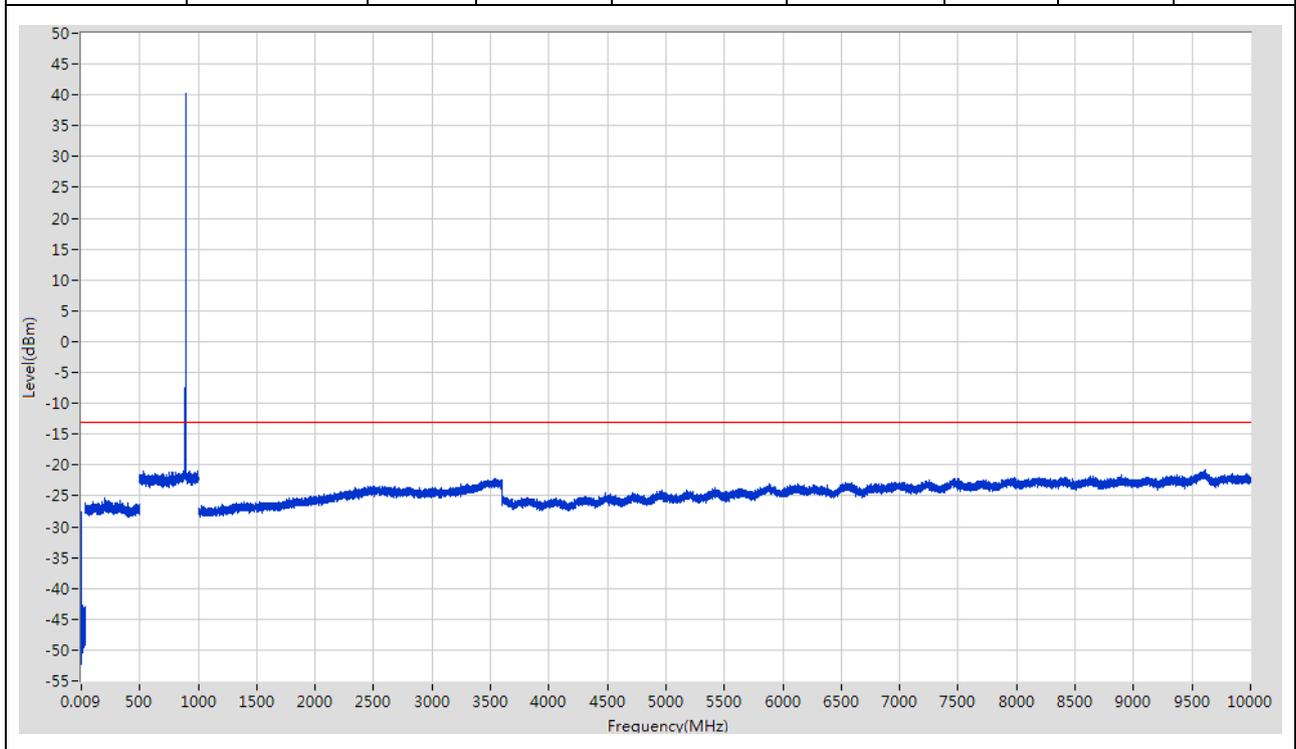
#### 2.3.3.1 DL\_2L\_1.4M\_B\_ANT

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.762 k	-35.57	-13	Pass	801
0.15	30	0.01	RMS	311.19 k	-33.68	-13	Pass	15001
30	500	1	RMS	216.041667 M	-25.57	-13	Pass	2401
500	1000	1	RMS	870.8 M	40.09	-13	Fail	2501
1000	10000	1	RMS	9583.0278 M	-20.8	-13	Pass	45002



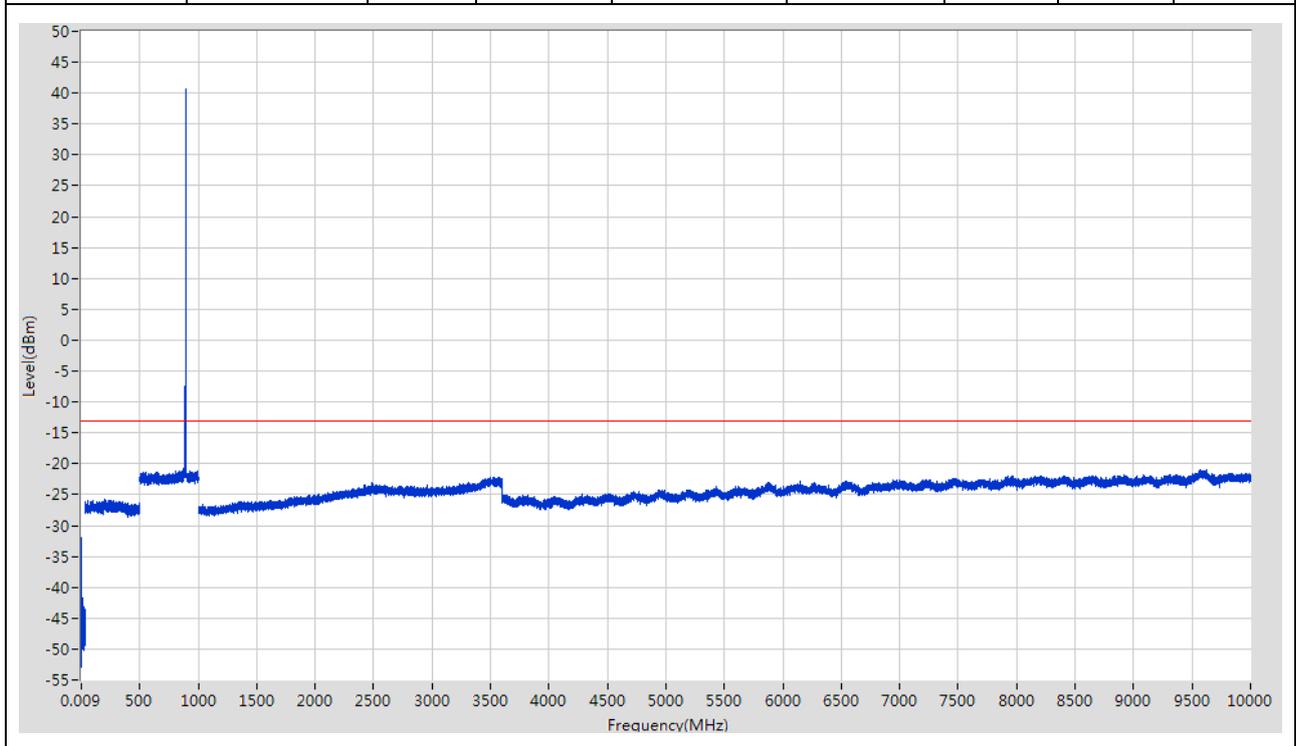
### 2.3.3.2 DL\_2L\_1.4M\_B\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.705 k	-27.63	-13	Pass	801
0.15	30	0.01	RMS	151.99 k	-32.53	-13	Pass	15001
30	500	1	RMS	200.766667 M	-25.39	-13	Pass	2401
500	1000	1	RMS	892 M	40.34	-13	Fail	2501
1000	10000	1	RMS	9608.82608 M	-20.79	-13	Pass	45002



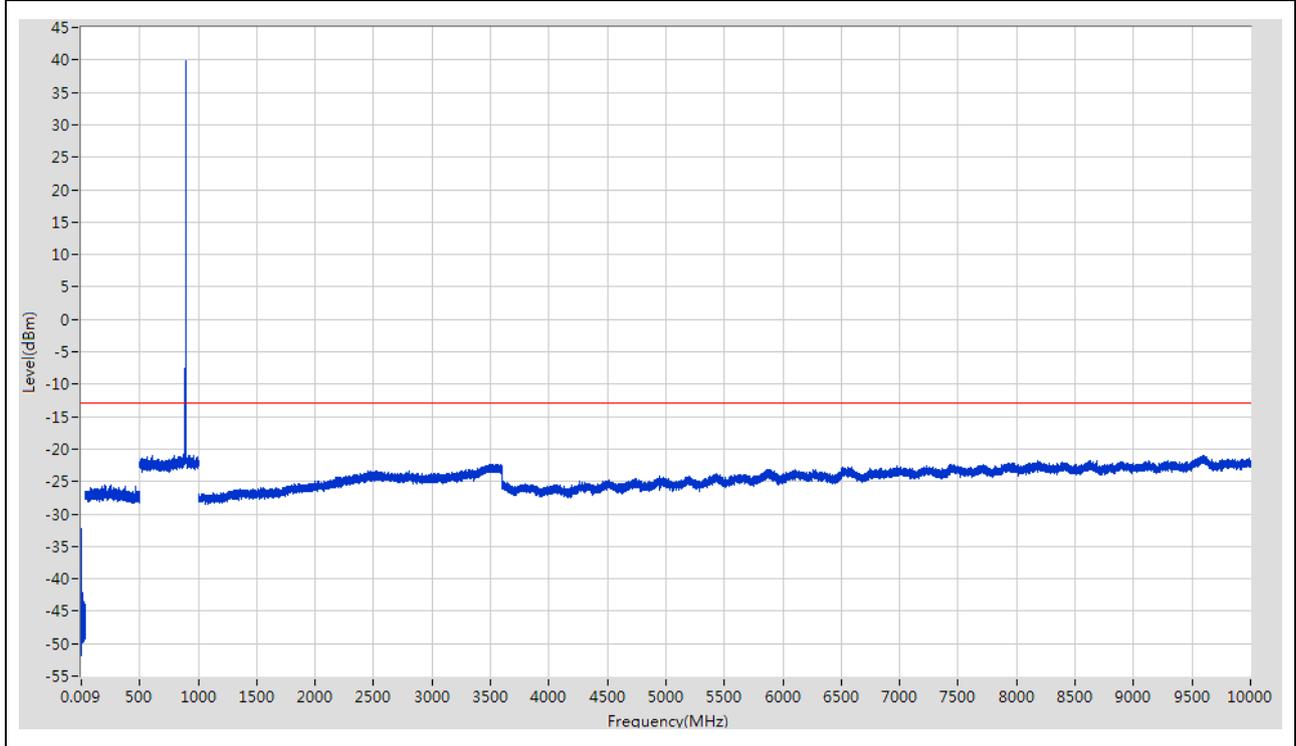
### 2.3.3.3 DL\_2L\_1.4M\_T\_ANTA

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	22.219 k	-35.44	-13	Pass	801
0.15	30	0.01	RMS	151.99 k	-32.06	-13	Pass	15001
30	500	1	RMS	195.479167 M	-25.67	-13	Pass	2401
500	1000	1	RMS	892.8 M	40.75	-13	Fail	2501
1000	10000	1	RMS	9564.42904 M	-20.9	-13	Pass	45002



### 2.3.3.4 DL\_2L\_1.4M\_T\_ANTB

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.939 k	-35.61	-13	Pass	801
0.15	30	0.01	RMS	153.98 k	-32.26	-13	Pass	15001
30	500	1	RMS	249.725 M	-25.57	-13	Pass	2401
500	1000	1	RMS	892 M	39.93	-13	Fail	2501
1000	10000	1	RMS	9607.426173 M	-20.98	-13	Pass	45002





# Appendix E: Field Strength of Spurious Radiation



## 1 Result Table

### 1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

### 1.2 Downlink Test Results

EUT Conf.	Maximum Emission [dBm]	Verdict
DL_1CW_M_ANTA DL_1CW_M_ANTB	<-16	Pass



## 2 Test Plot

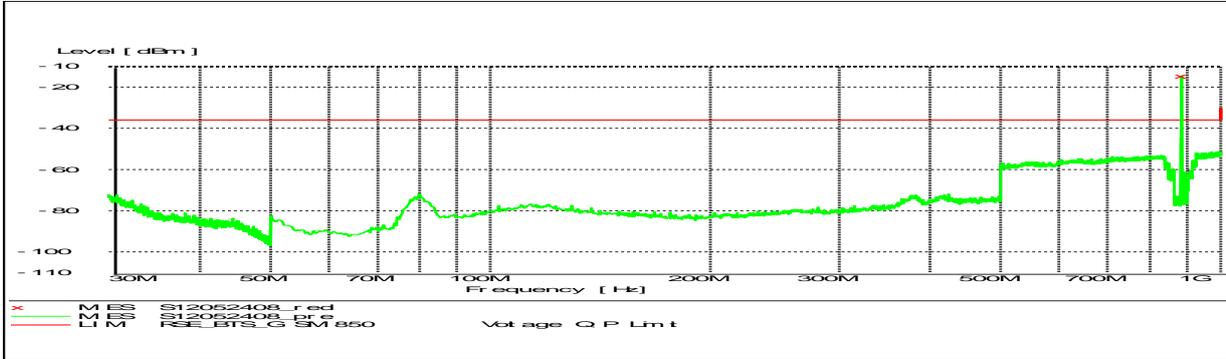
### 2.1 Uplink Test Plots

Not applicable.

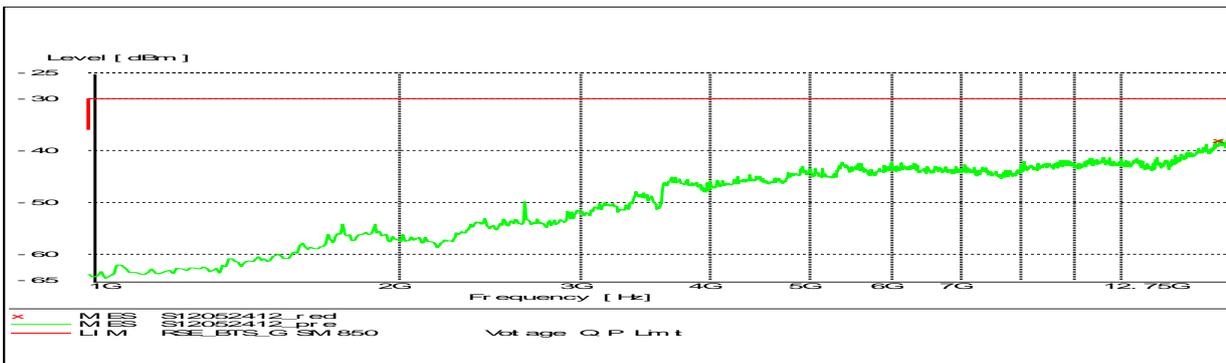
Notes: The EUT does not transmit over the air in the uplink direction.

## 2.2 Downlink Test Plots

### 2.2.1 30MHz-1GHz



### 2.2.2 1GHz and above





# Appendix F: Frequency Stability

## 1 Result Table

### 1.1 Frequency Error

#### 1.1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

#### 1.1.2 Downlink Test Results

##### 1.1.2.1 Frequency Error vs. Temperature

EUT Conf.	Voltage	Temperature	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
DL_1G_TM1_M_ANTA	100%	-30 °C	9.7	0.011004	0.011004	Pass
	100%	-20 °C	10.4	0.011798	0.011798	Pass
	100%	-10 °C	10.1	0.011458	0.011458	Pass
	100%	0 °C	9.6	0.010891	0.010891	Pass
	100%	+10 °C	11	0.012479	0.012479	Pass
	100%	+20 °C	10.8	0.012252	0.012252	Pass
	100%	+30 °C	12.5	0.014180	0.014180	Pass
	100%	+40 °C	10.9	0.012365	0.012365	Pass
	100%	+50 °C	12.6	0.014294	0.014294	Pass
DL_1G_TM1_M_ANTB	100%	-30 °C	10.2	0.011571	0.011571	Pass
	100%	-20 °C	12.7	0.014407	0.014407	Pass
	100%	-10 °C	10.7	0.012138	0.012138	Pass
	100%	0 °C	13.2	0.014974	0.014974	Pass
	100%	+10 °C	13.4	0.015201	0.015201	Pass
	100%	+20 °C	15.1	0.017130	0.017130	Pass
	100%	+30 °C	13.8	0.015655	0.015655	Pass
	100%	+40 °C	16.4	0.018605	0.018605	Pass
	100%	+50 °C	15.4	0.017470	0.017470	Pass

##### 1.1.2.2 Frequency Error vs. Voltage

EUT Conf.	Temperature	Voltage	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
DL_1G_TM1_M_ANTA	+20 °C	85 %	9.9	0.011231	0.011231	Pass
	+20 °C	100 %	11.4	0.012933	0.012933	Pass
	+20 °C	115 %	9.8	0.011117	0.011117	Pass



EUT Conf.	Temperature	Voltage	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
DL_1G_TM1_M_ANTB	+20 °C	85 %	13.7	0.015542	0.015542	Pass
	+20 °C	100 %	13.5	0.015315	0.015315	Pass
	+20 °C	115 %	16.2	0.018378	0.018378	Pass



# Appendix G: Mean Output Power

## 1 Result Table

When the output power reach to rated maximum output power, AGC function will be active. Then output power and intermodulation product level cannot rise any more with input signal level increasing.

### 1.1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction,

### 1.1.2 Downlink Test Results

EUT Conf.	Pmean [dBm]	Verdict
DL_2CW_M_ANTA	43.66	Pass
DL_2CW_M_ANTB	43.65	Pass

## 2 Test Plot

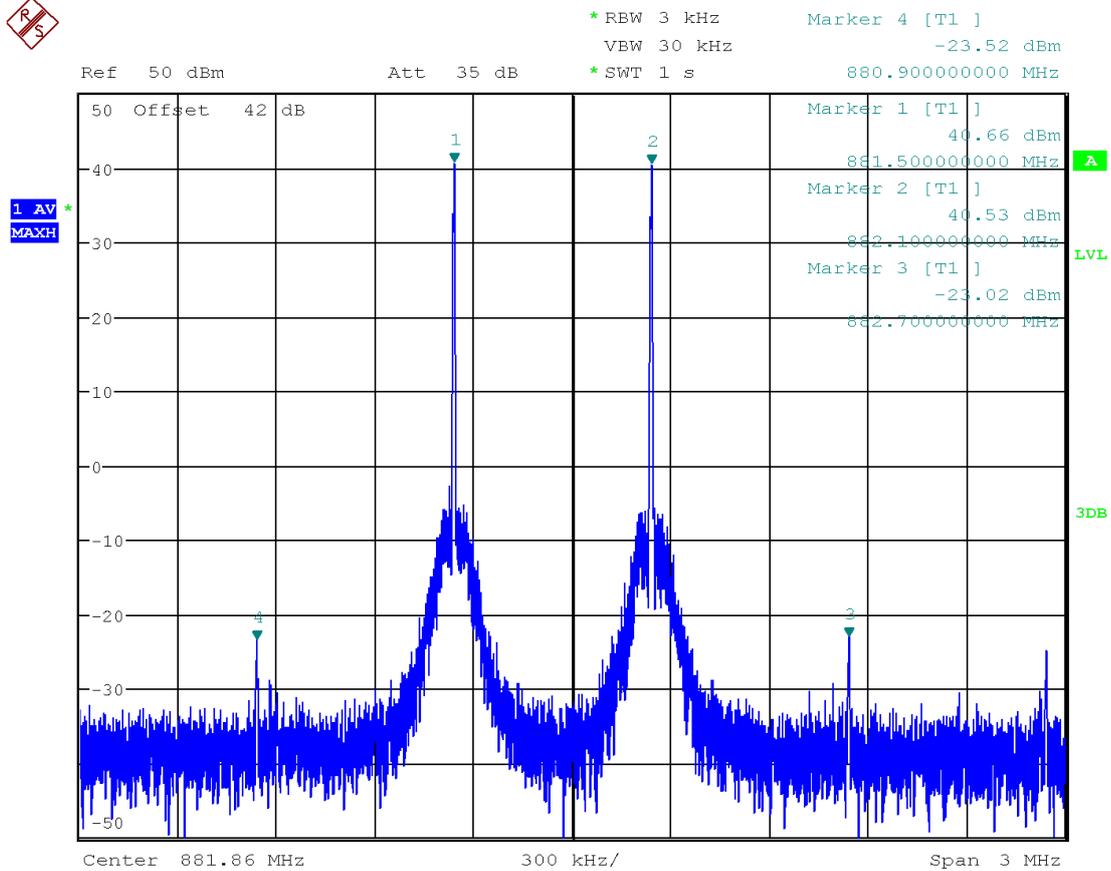
### 2.1.1 Uplink Test Plots

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

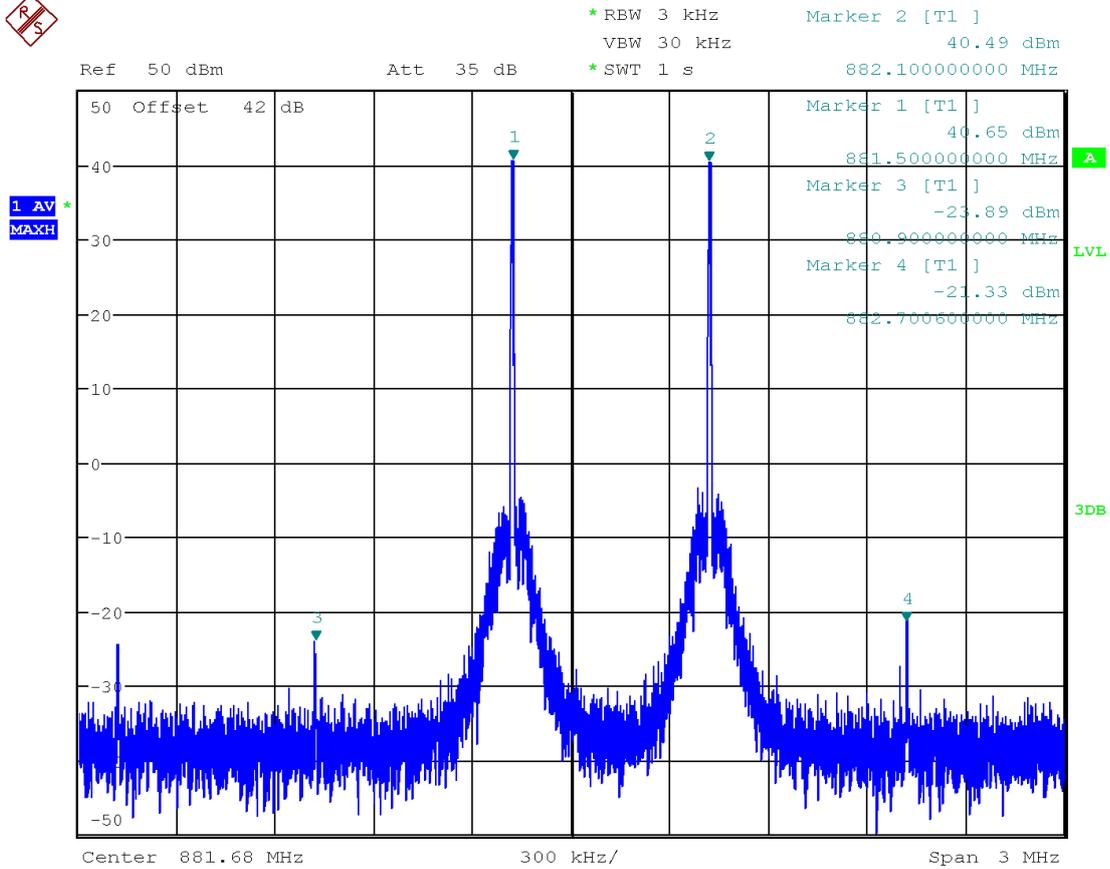
### 2.1.2 Downlink Test Plots

#### 2.1.2.1 DL\_2CW\_M\_ANTA



Date: 14.NOV.2013 20:21:51

### 2.1.2.2 DL\_2CW\_M\_ANTB



Date: 14.NOV.2013 20:29:13



# Appendix H: Non-Linearity



## 1 Result Table

### 1.1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

### 1.1.2 Downlink Test Results

EUT Conf.	Intermodulation		Verdict
	Left	Right	
DL_2CW_B_ANTA	-21.99	-20.70	Pass
DL_2CW_B_ANTB	-27.23	-23.98	Pass
DL_2CW_M_ANTA	-23.02	-23.52	Pass
DL_2CW_M_ANTB	-23.89	-23.33	Pass
DL_2CW_T_ANTA	-22.24	-23.33	Pass
DL_2CW_T_ANTB	-22.72	-23.53	Pass



## 2 Test Plot

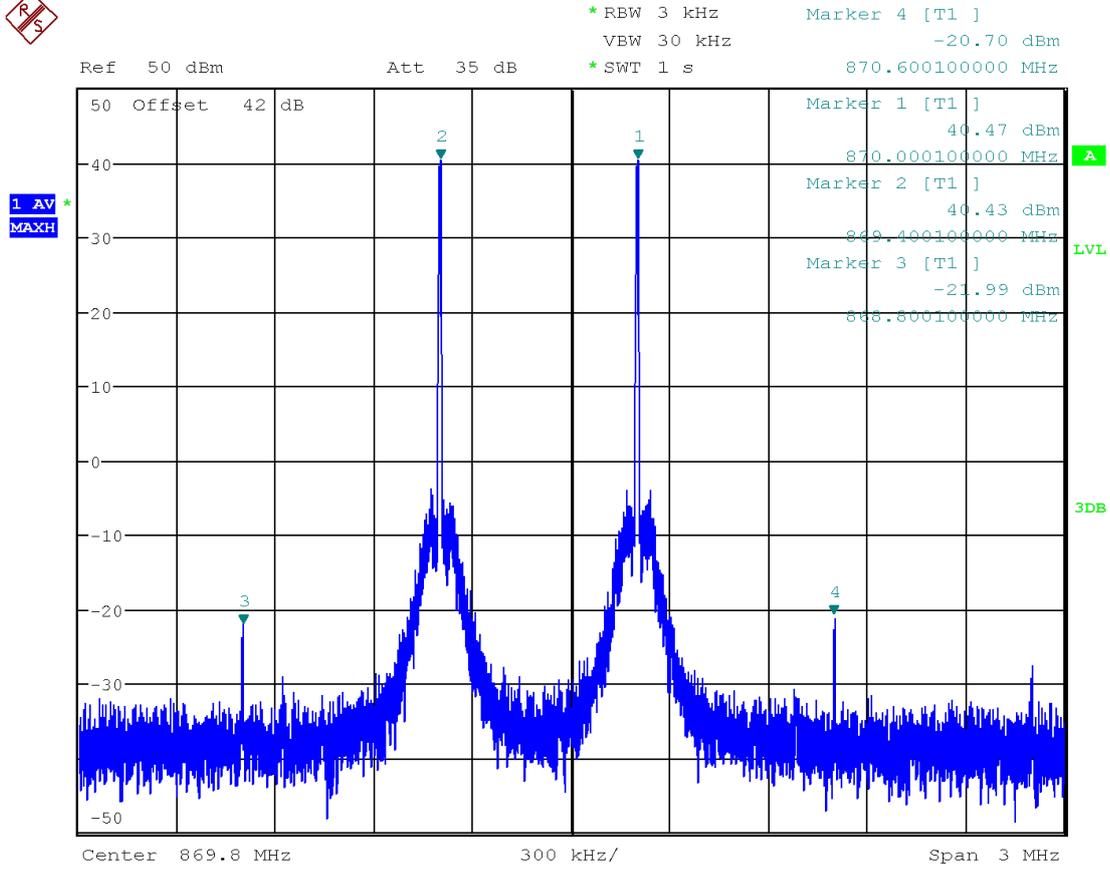
### 2.1.1 Uplink Test Plots

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

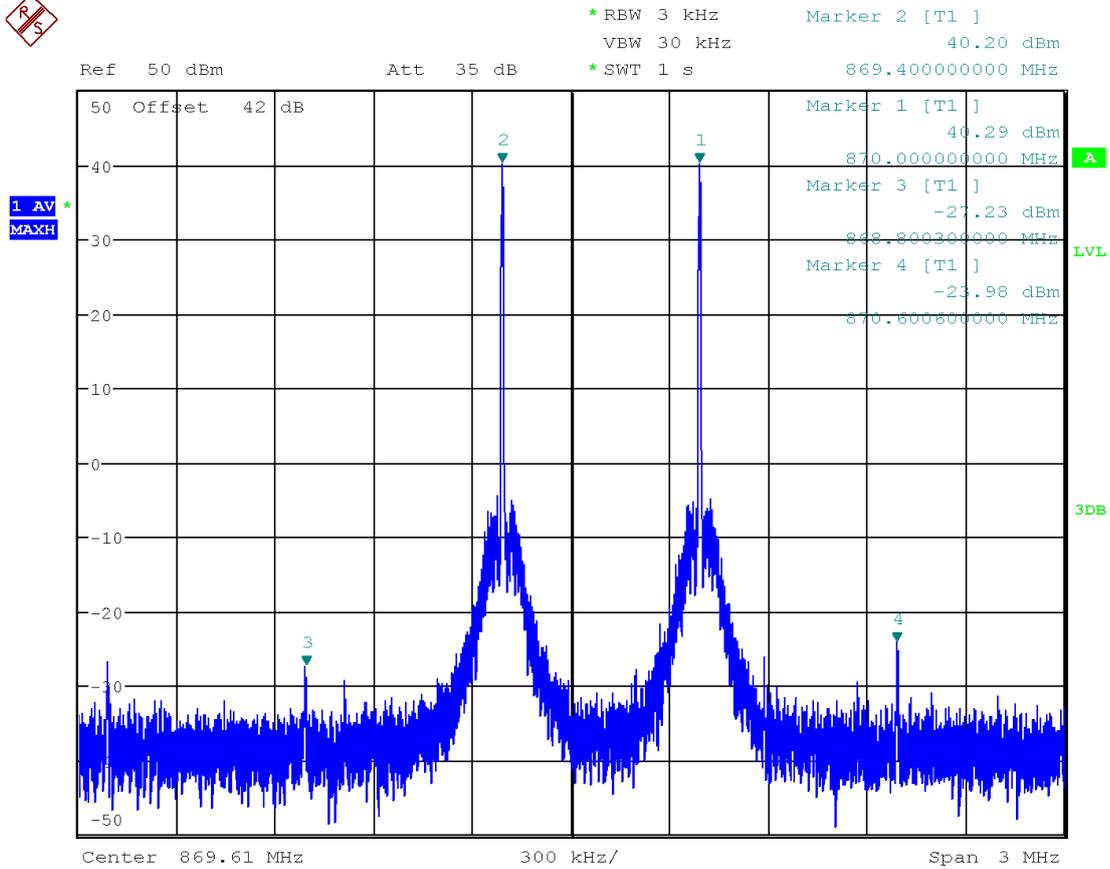
## 2.1.2 Downlink Test Plots

### 2.1.2.1 DL\_2CW\_B\_ANT\_A



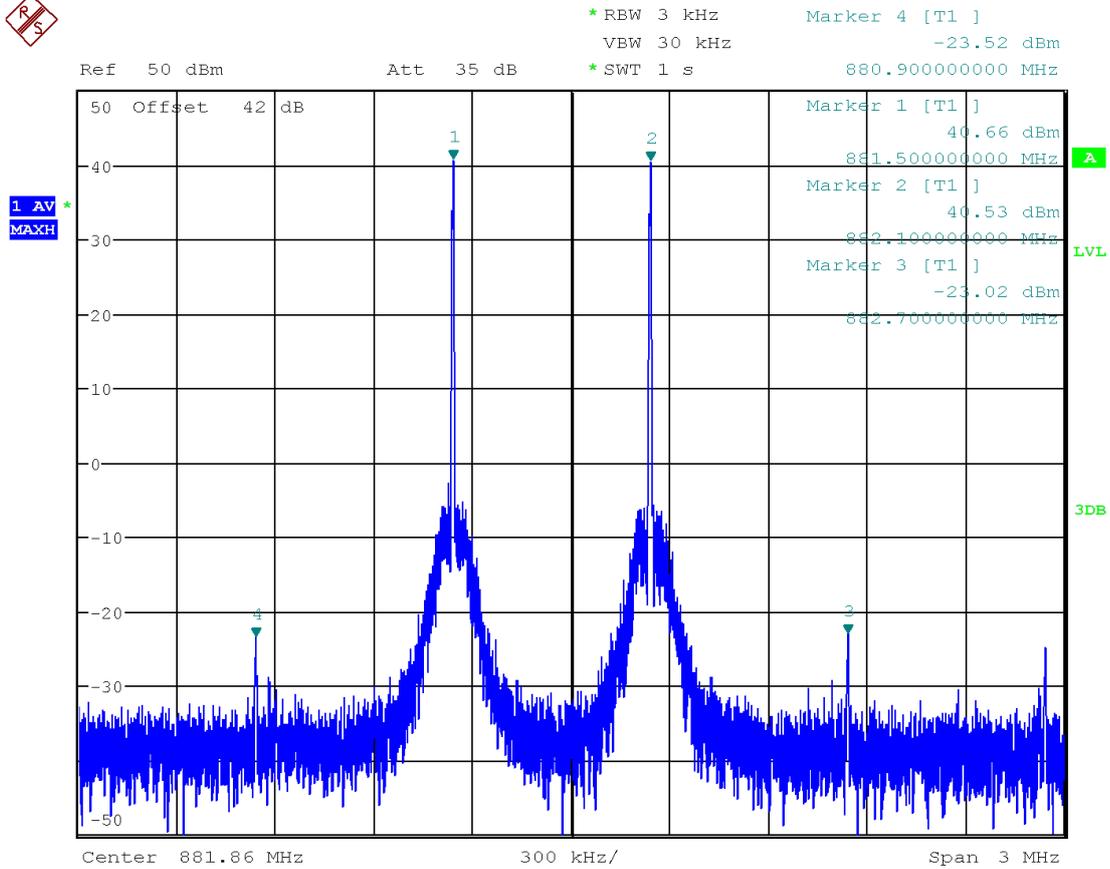
Date: 14.NOV.2013 20:19:12

### 2.1.2.2 DL\_2CW\_B\_ANTB



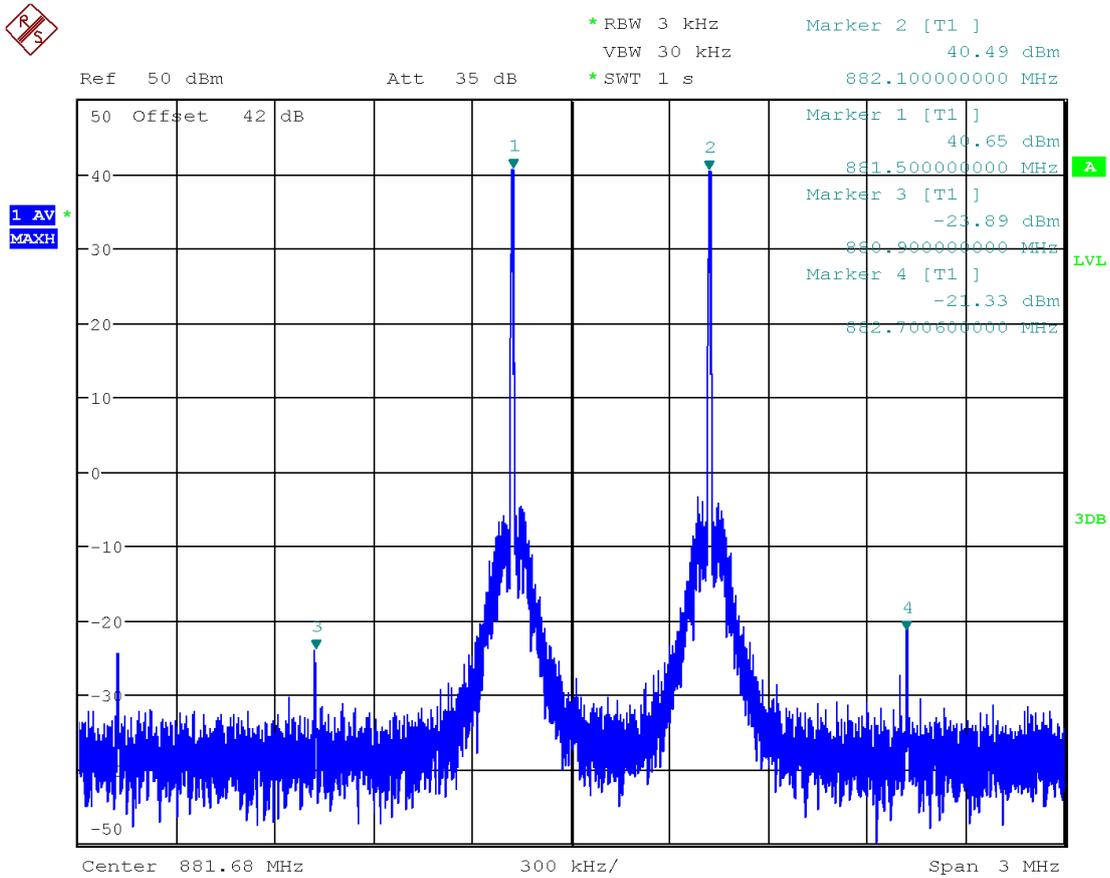
Date: 14.NOV.2013 20:31:13

### 2.1.2.3 DL\_2CW\_M\_ANTA



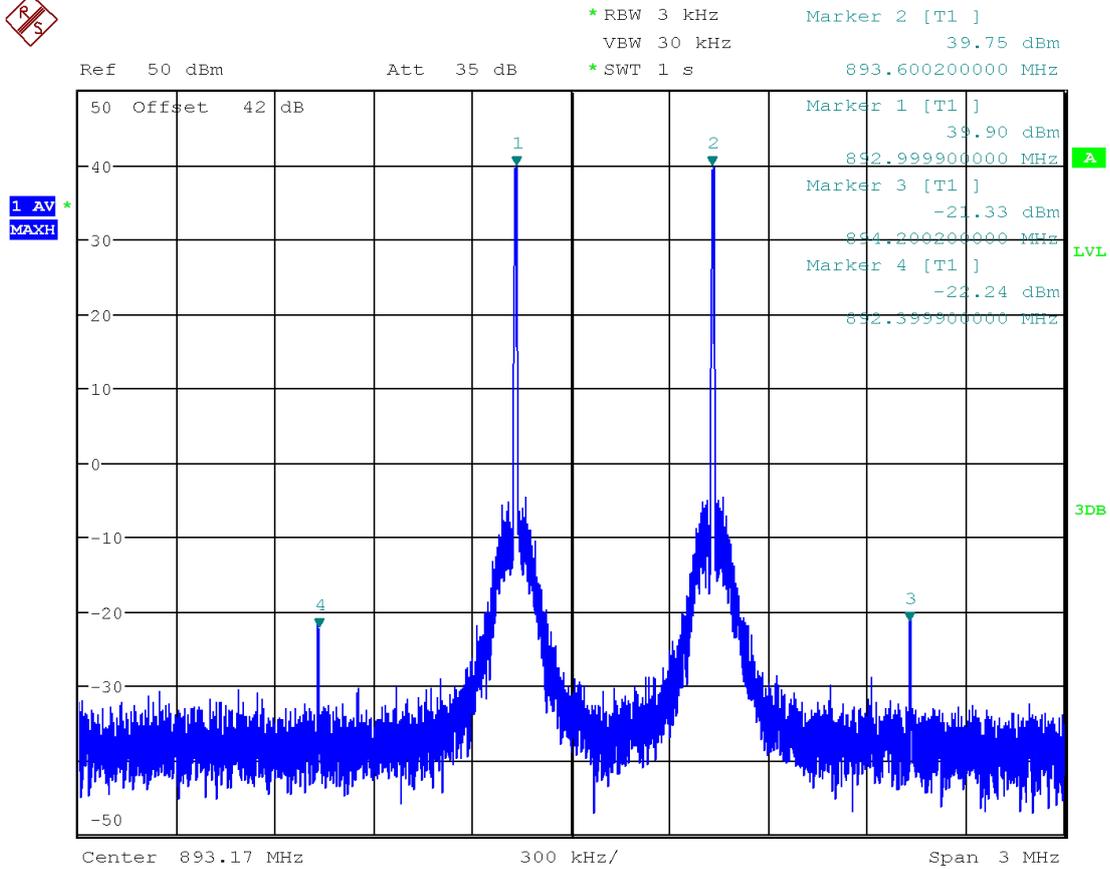
Date: 14.NOV.2013 20:21:51

### 2.1.2.4 DL\_2CW\_M\_ANTB



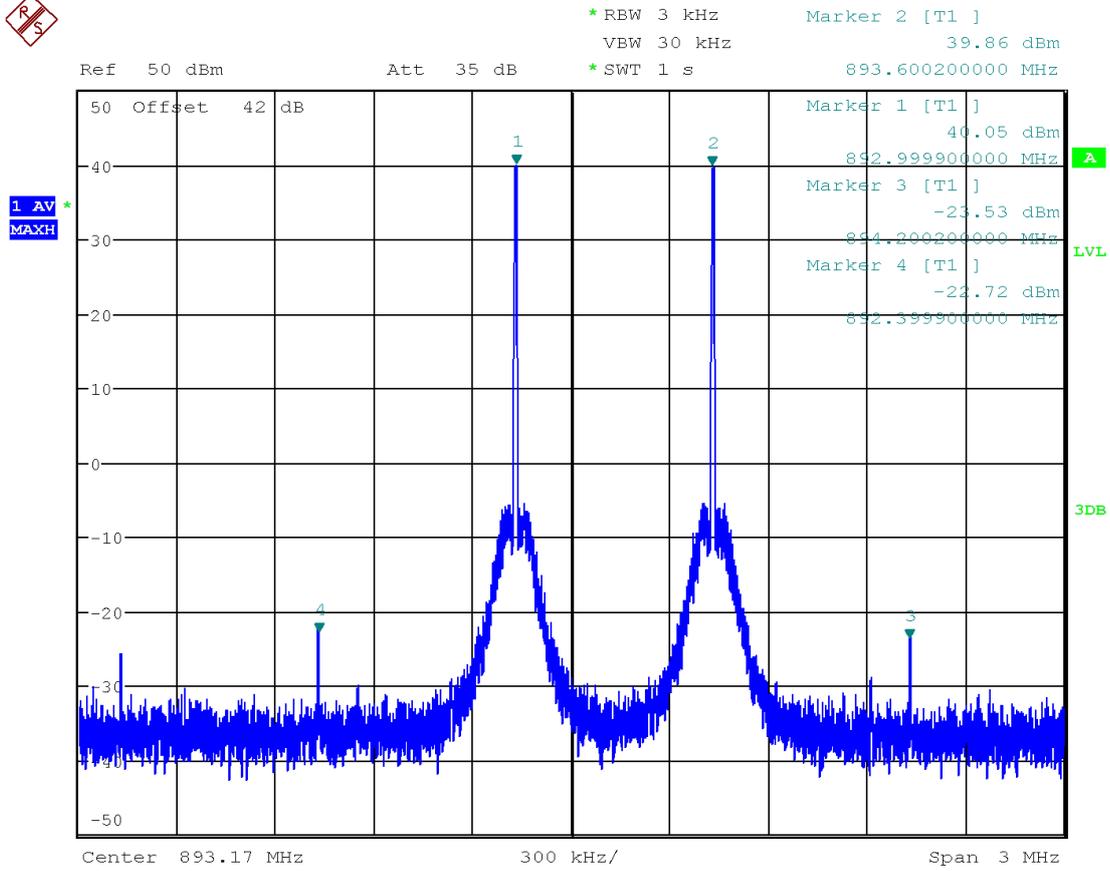
Date: 14.NOV.2013 20:29:13

### 2.1.2.5 DL\_2CW\_T\_ANTA



Date: 14.NOV.2013 20:23:45

### 2.1.2.6 DL\_2CW\_T\_ANTB



Date: 14.NOV.2013 20:26:48



# Appendix I: Amplifier Gain and Bandwidth and Out of Band Rejection

## 1 Result Table

### 1.1.1 Uplink Test Results

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

### 1.1.2 Downlink Test Results

Test item	Test results		Verdict
	ANT Port A	ANT Port B	
Pass band Gain	37.63 dB	36.55 dB	Pass
Authorized Frequency Band	869-894 MHz	869-894 MHz	Pass
Lower edge of 20dB bandwidth	867.51 MHz	867.52 MHz	Pass
Upper edge of 20dB bandwidth	895.46 MHz	895.44 MHz	Pass
20 dB bandwidth	27.95 MHz	27.92 MHz	Pass

## 2 Test Plot

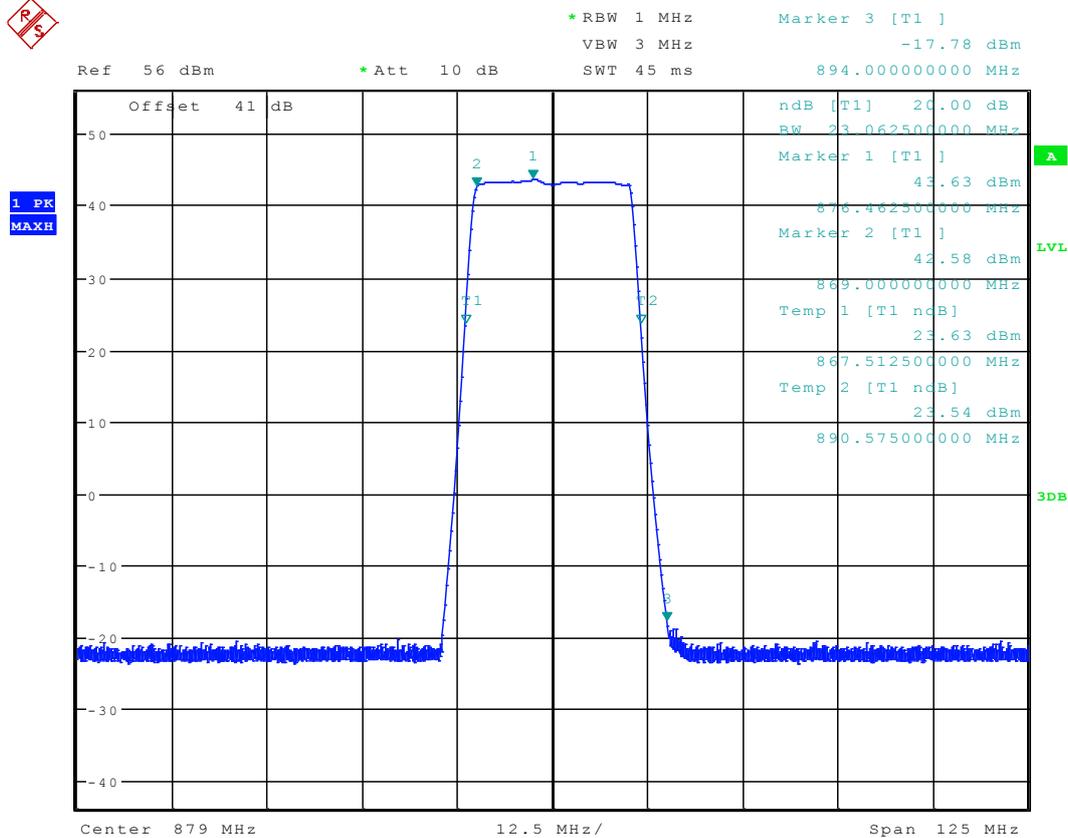
### 2.1.1 Uplink Test Plots

Not applicable.

Notes: The EUT does not transmit over the air in the uplink direction.

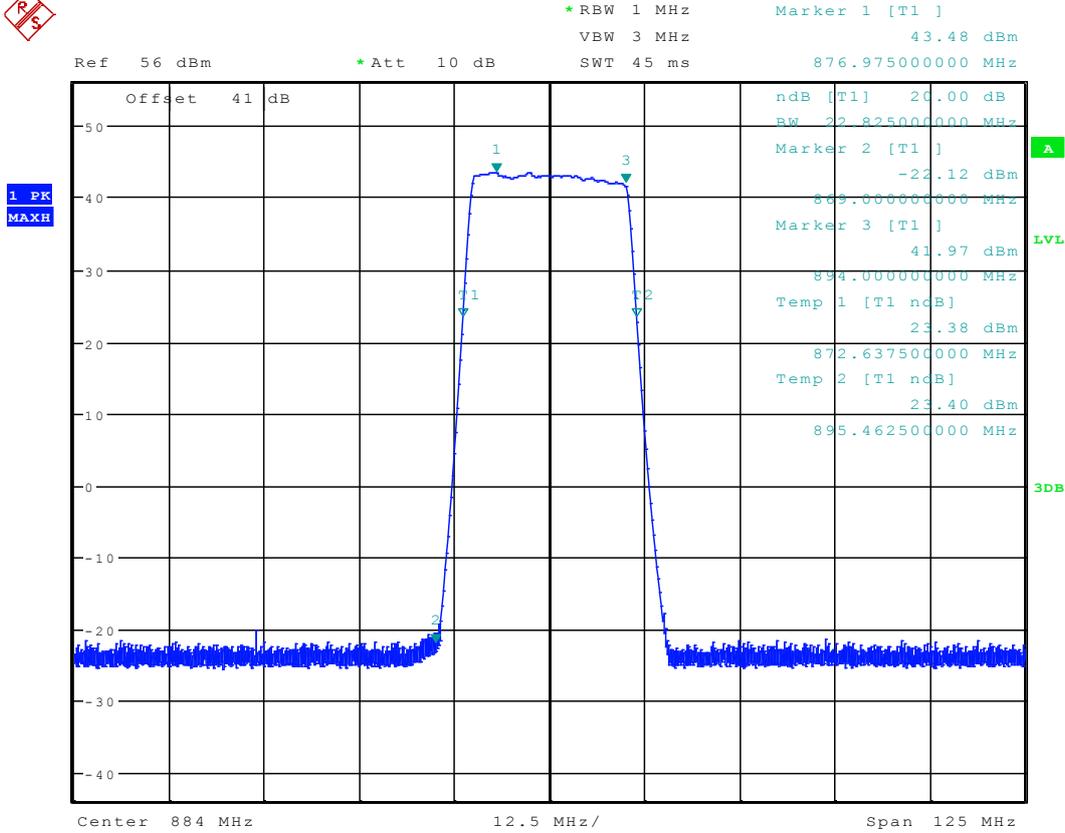
### 2.1.2 Downlink Test Plots

#### 2.1.2.1 DL\_20M\_B\_ANTA



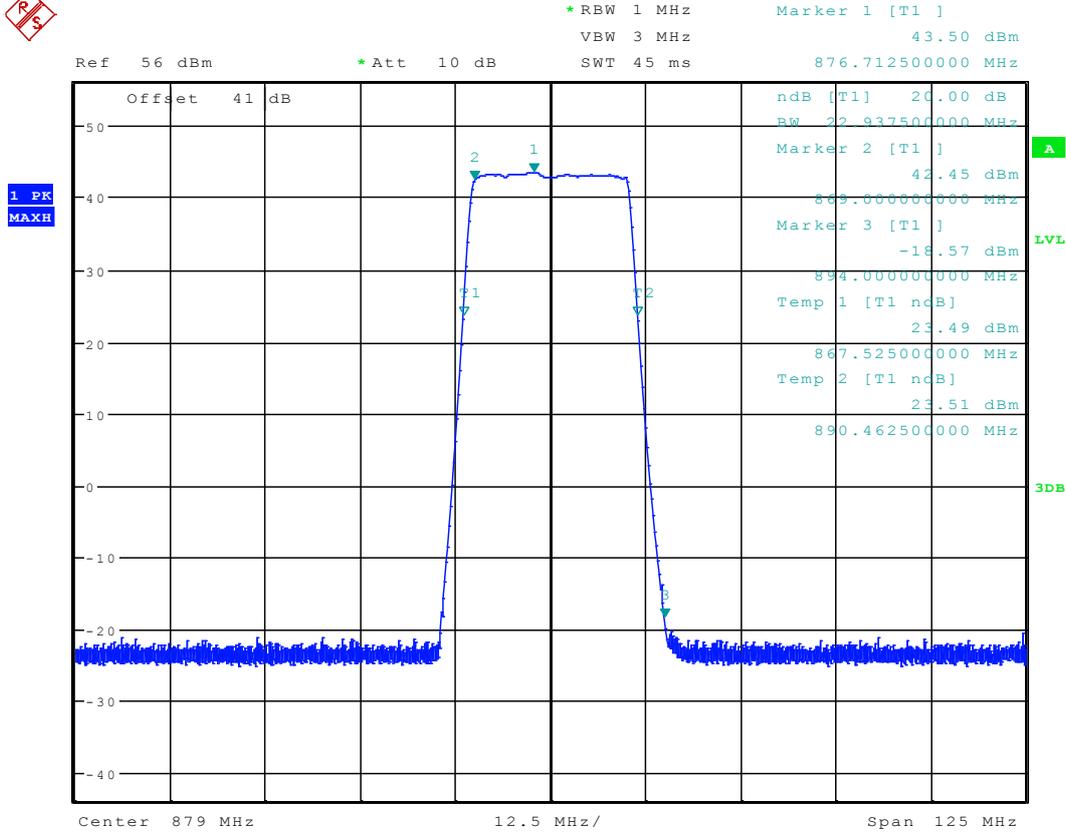
Date: 12.DEC.2013 15:16:03

### 2.1.2.2 DL\_20M\_T\_ANTA,



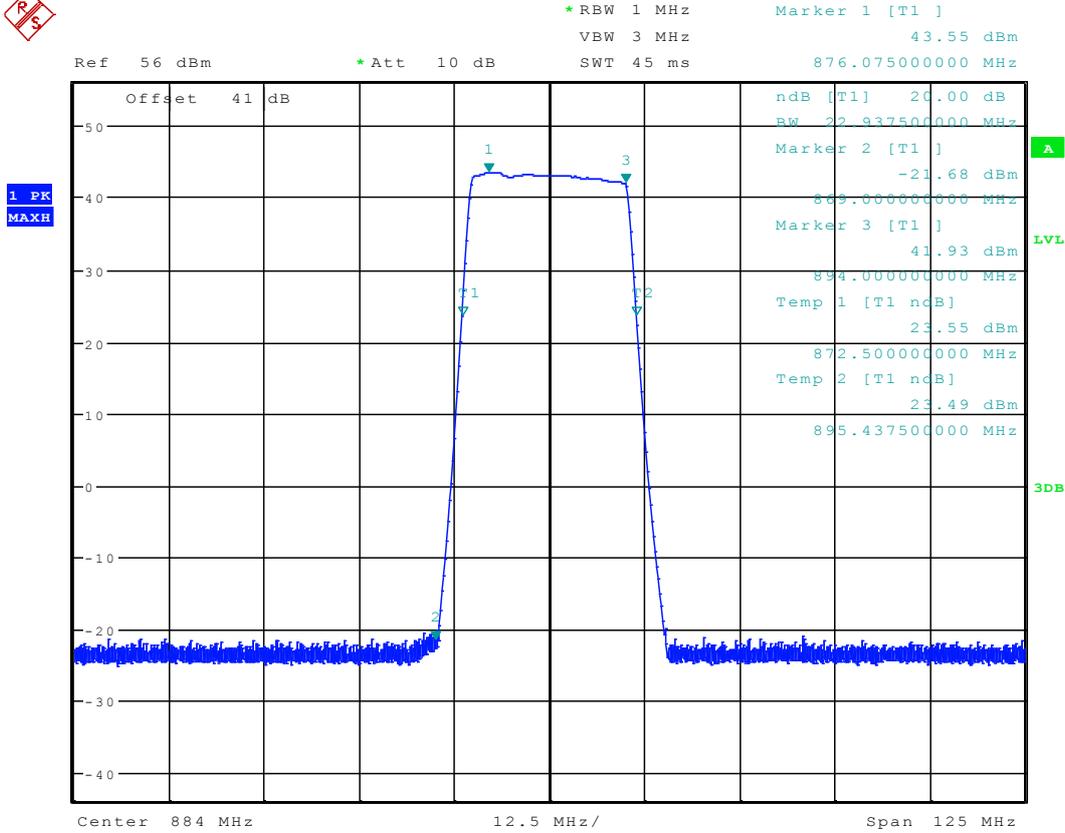
Date: 12.DEC.2013 15:40:26

### 2.1.2.3 DL\_20M\_B\_ANTB



Date: 12.DEC.2013 15:34:24

### 2.1.2.4 DL\_20M\_T\_ANTB,



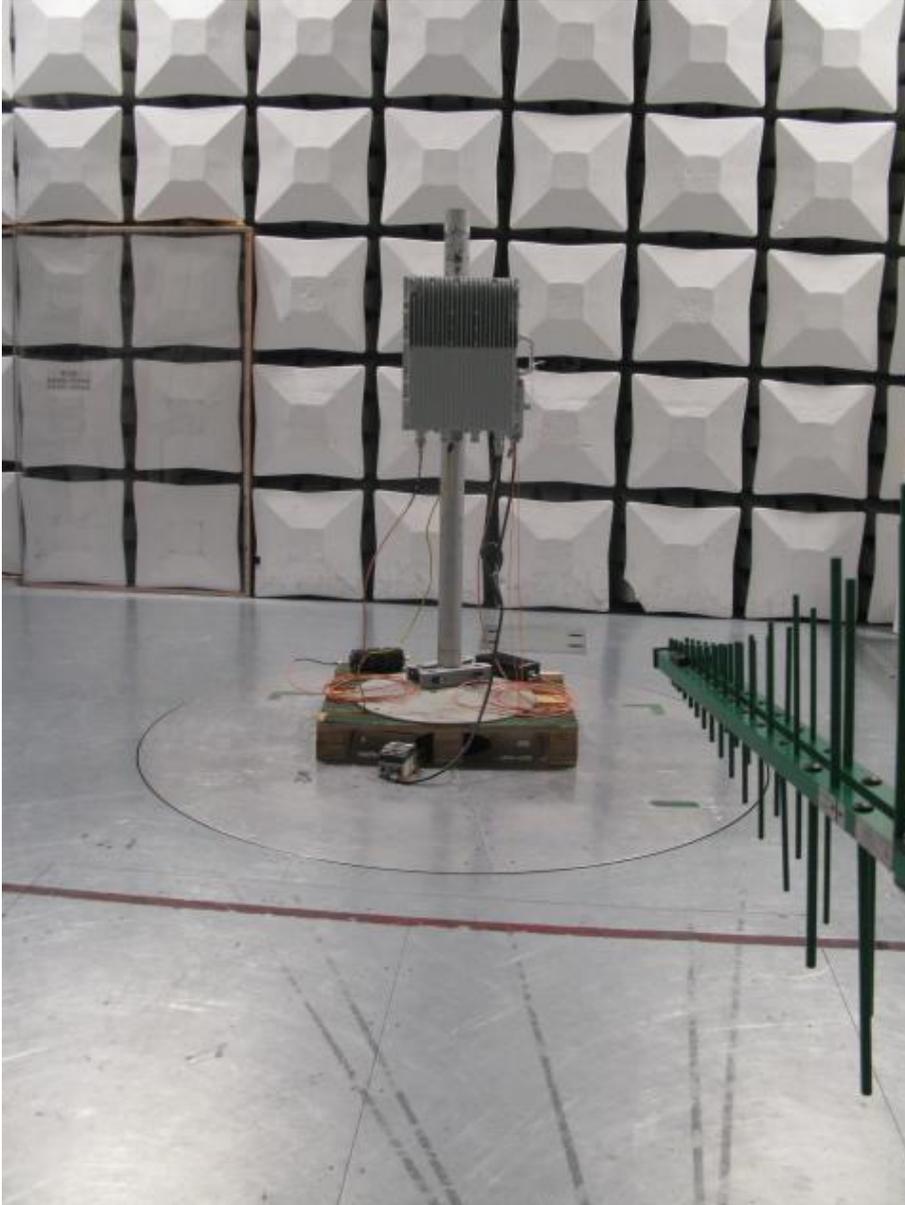
Date: 12.DEC.2013 15:43:52



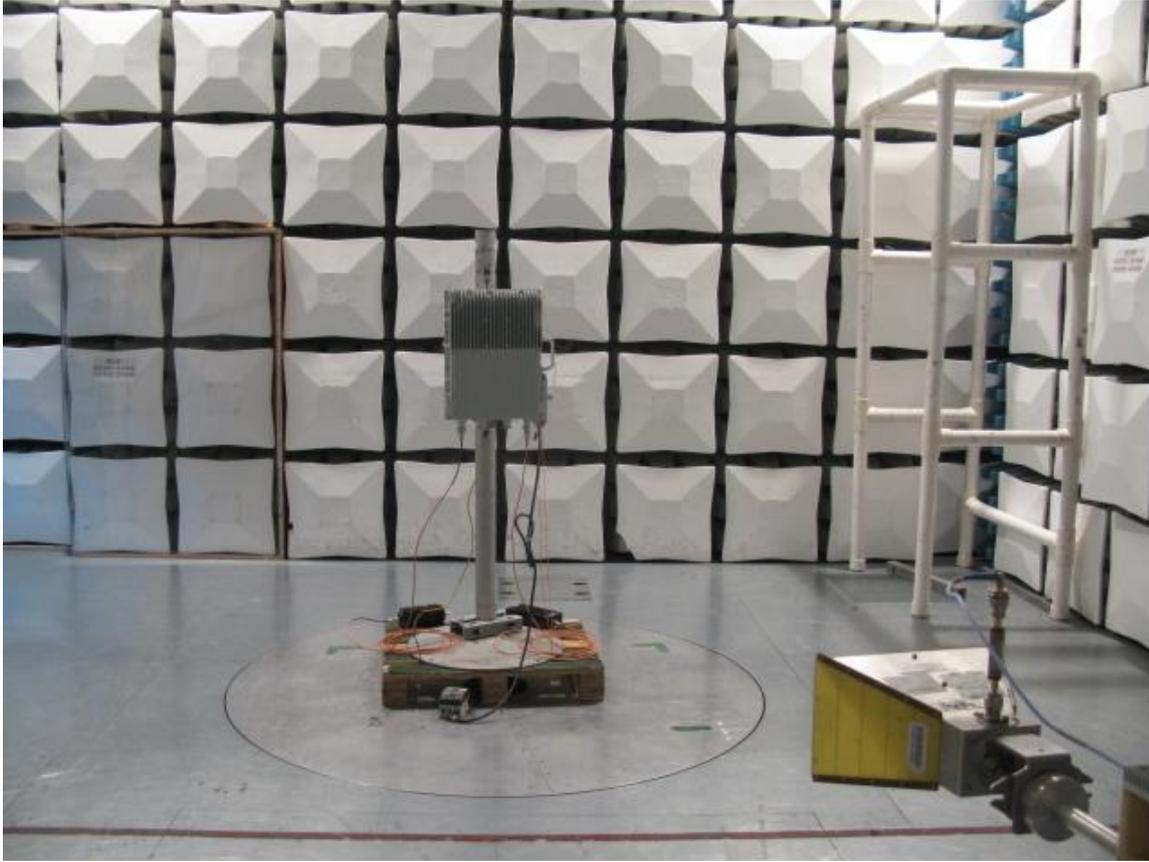
# Appendix J: Photos of Test Setups

## 1 Test Setup 3

### 1.1 Frequency range below 1 GHz



## 1.2 Frequency range above 1 GHz



END