



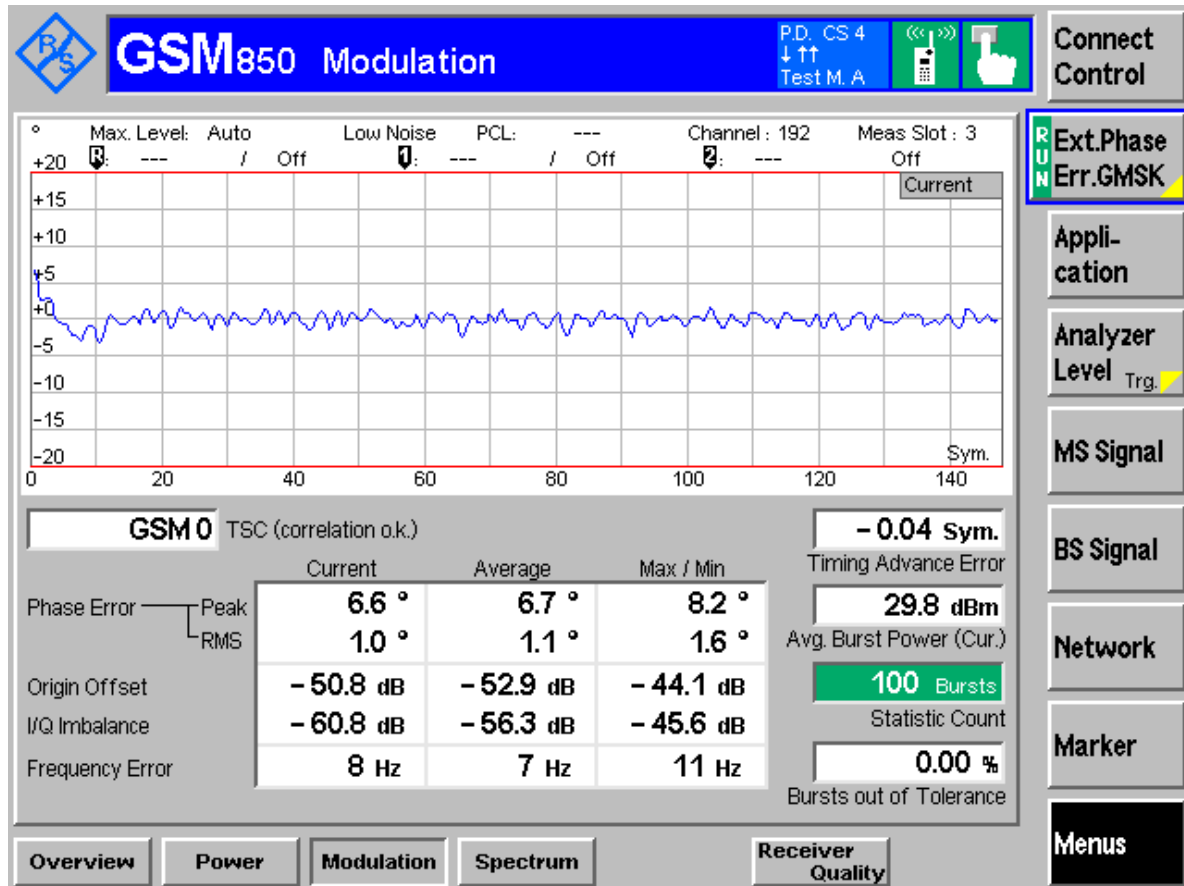
Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H
& RSS-132

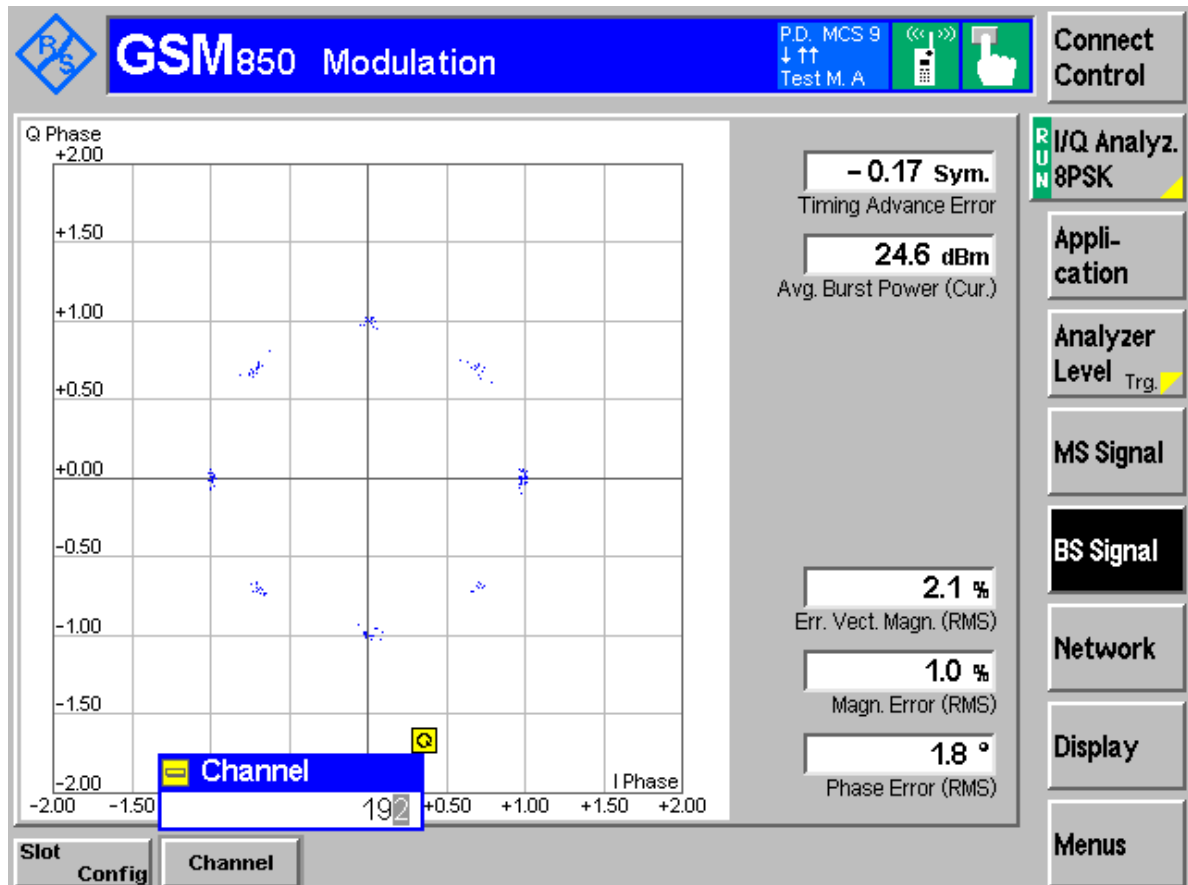


TM1:GPRS/GSM Channel 192



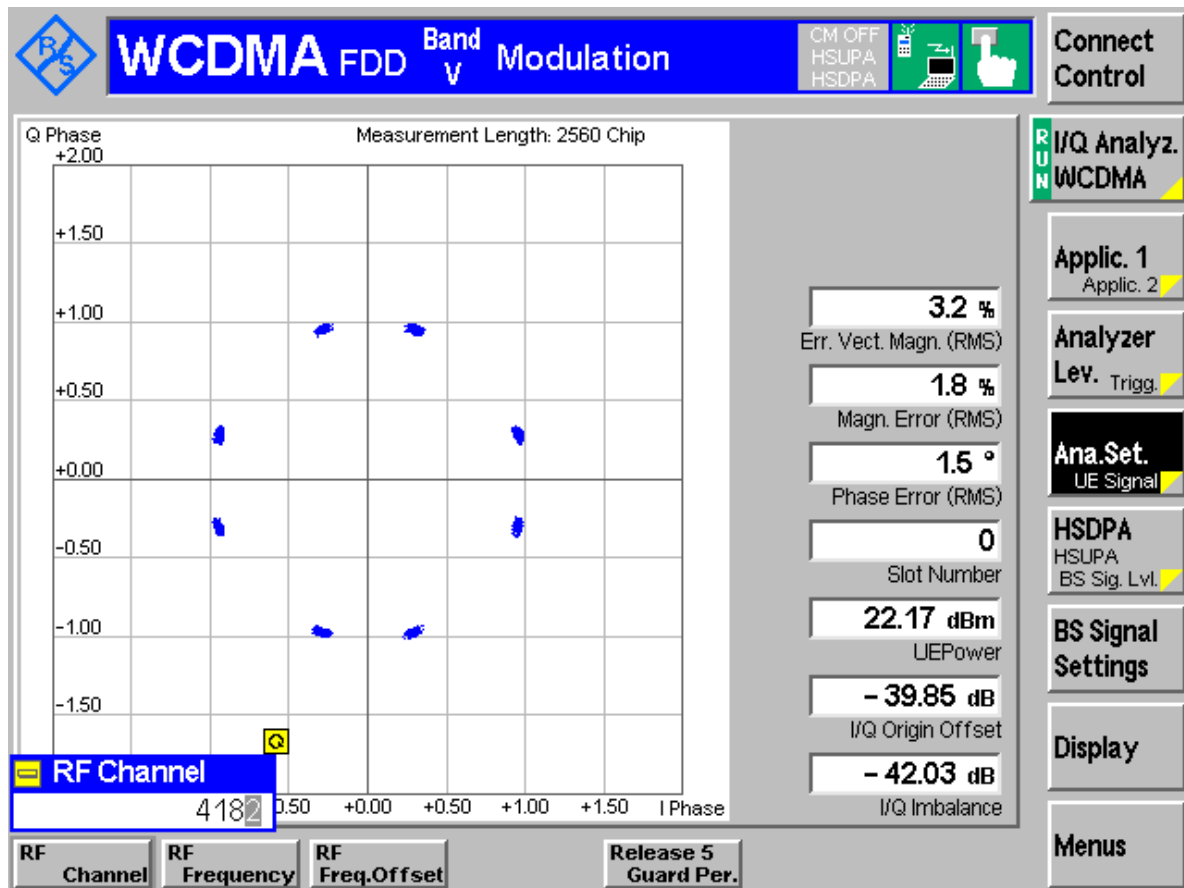


TM2:EDGE Channel 192





TM3: WCDMA Channel 4182





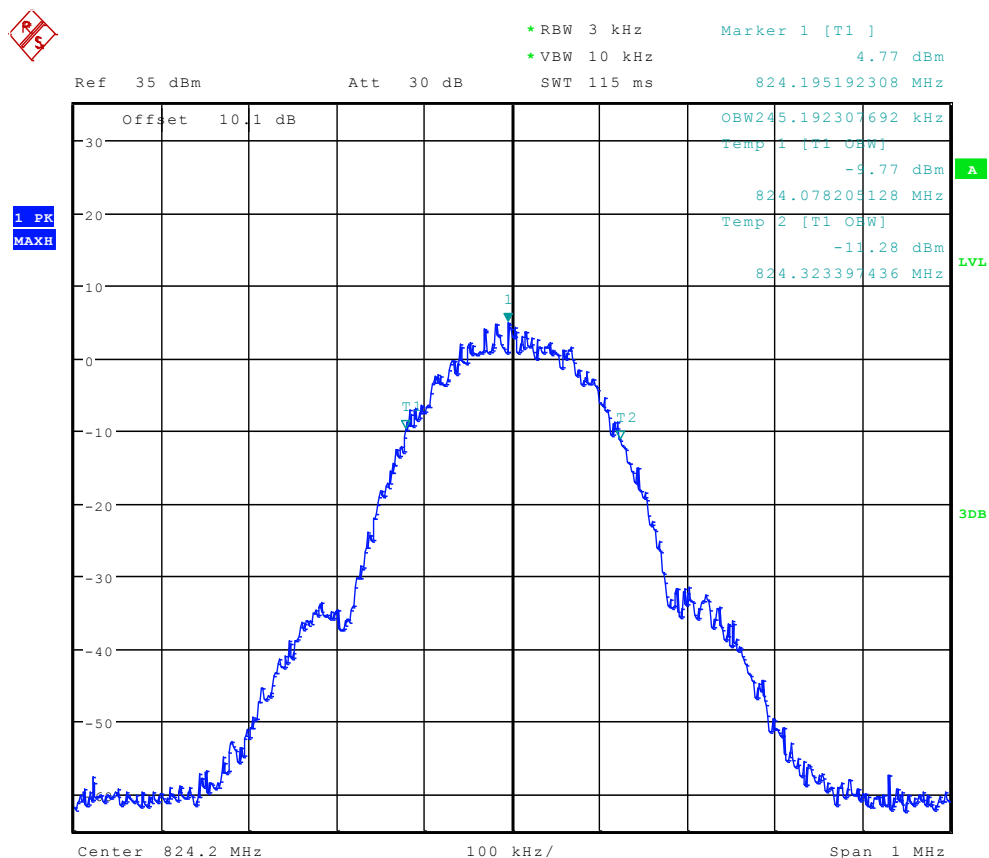
Appendix B

Occupied Bandwidth

According to FCC Part 2.1049 & Part 22 Subpart H
& RSS-132

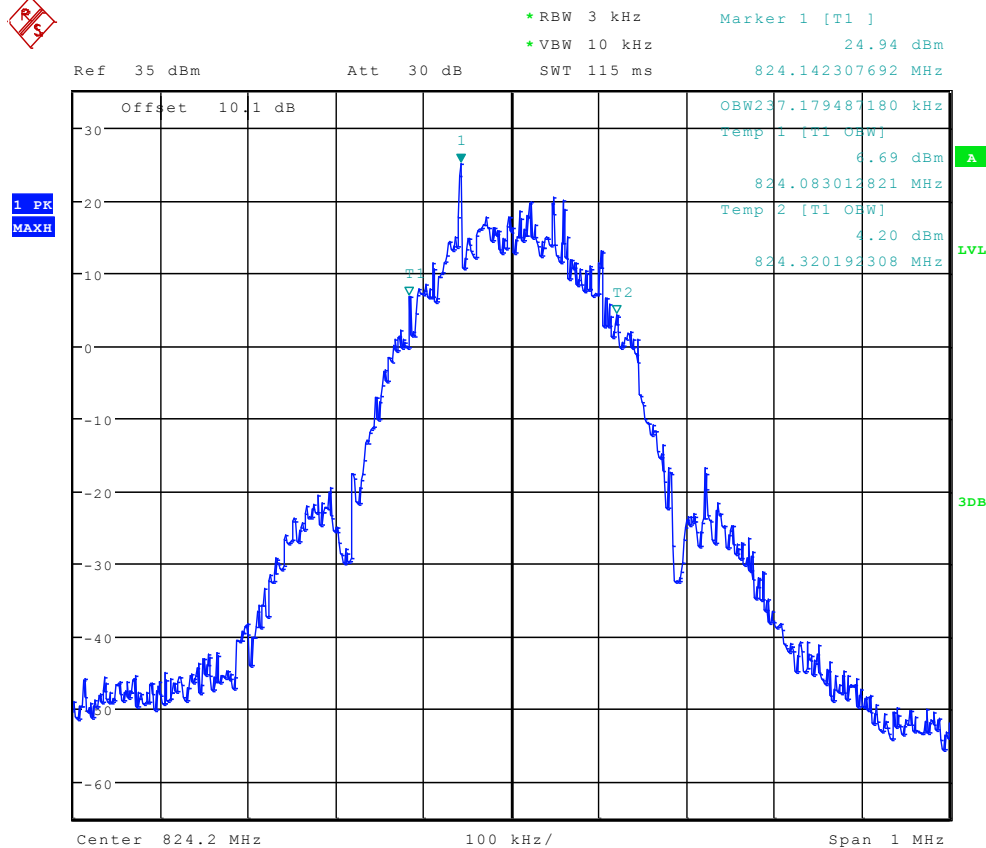


Channel 128 (TM1:GPRS/GSM)



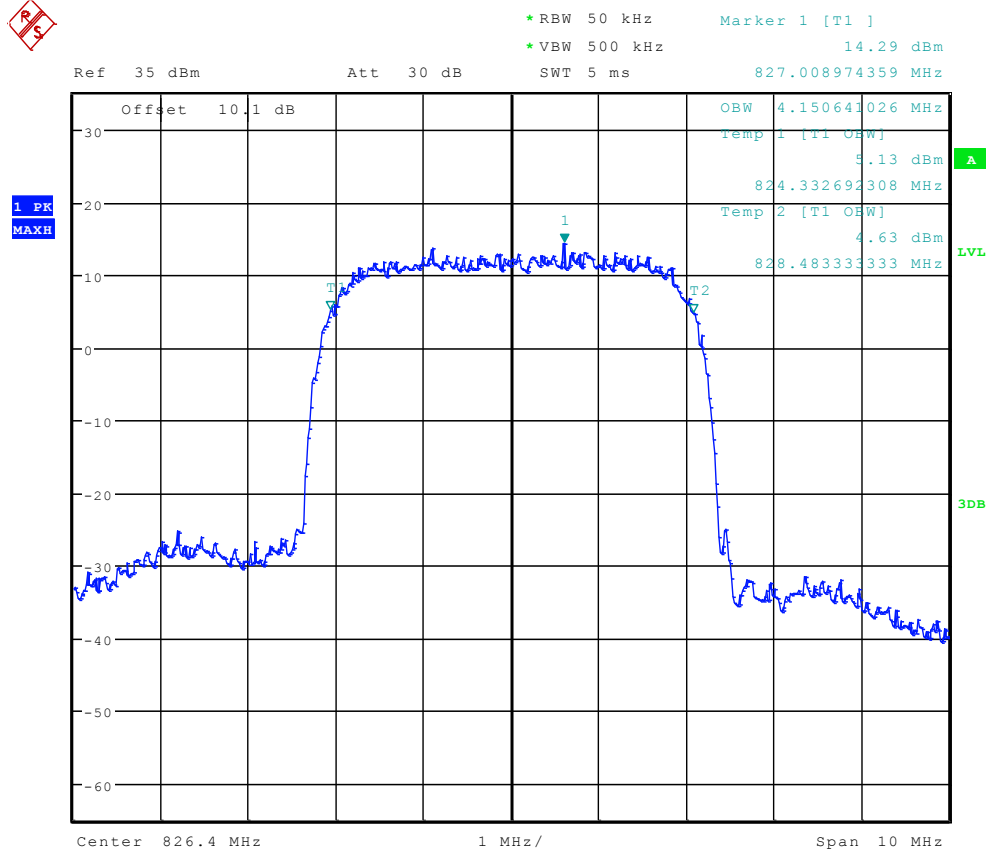


Channel 128 (TM2:EDGE)



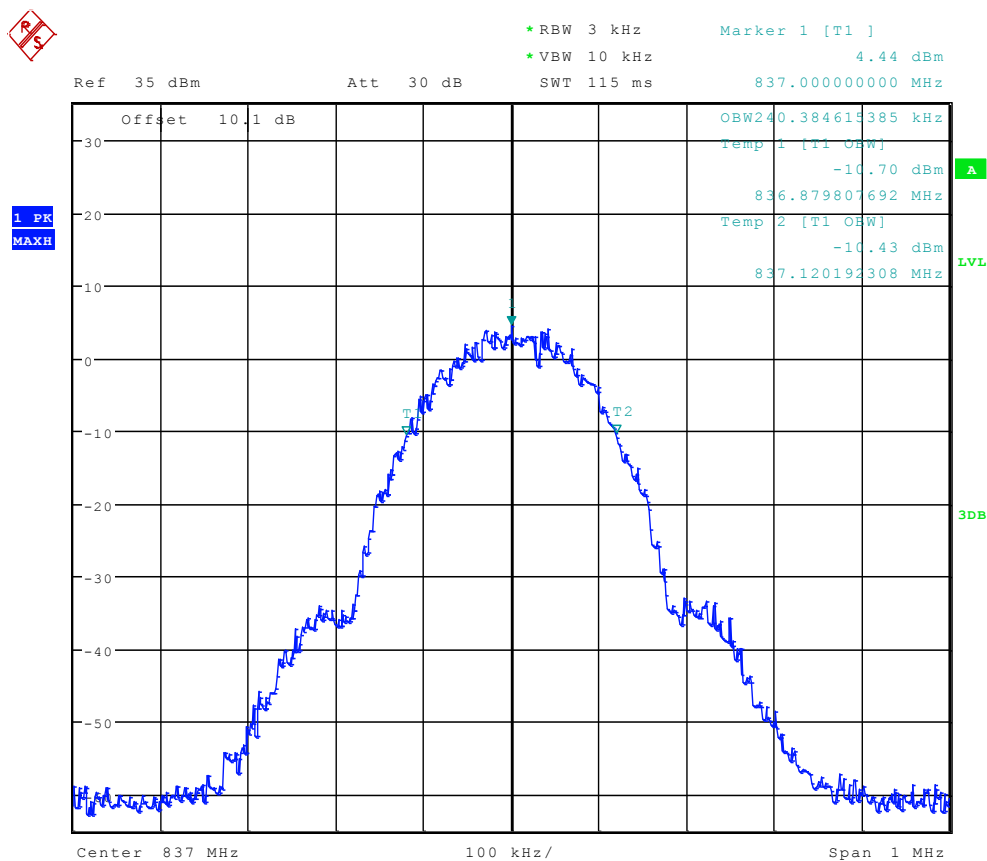


Channel 4132 (TM3: WCDMA)



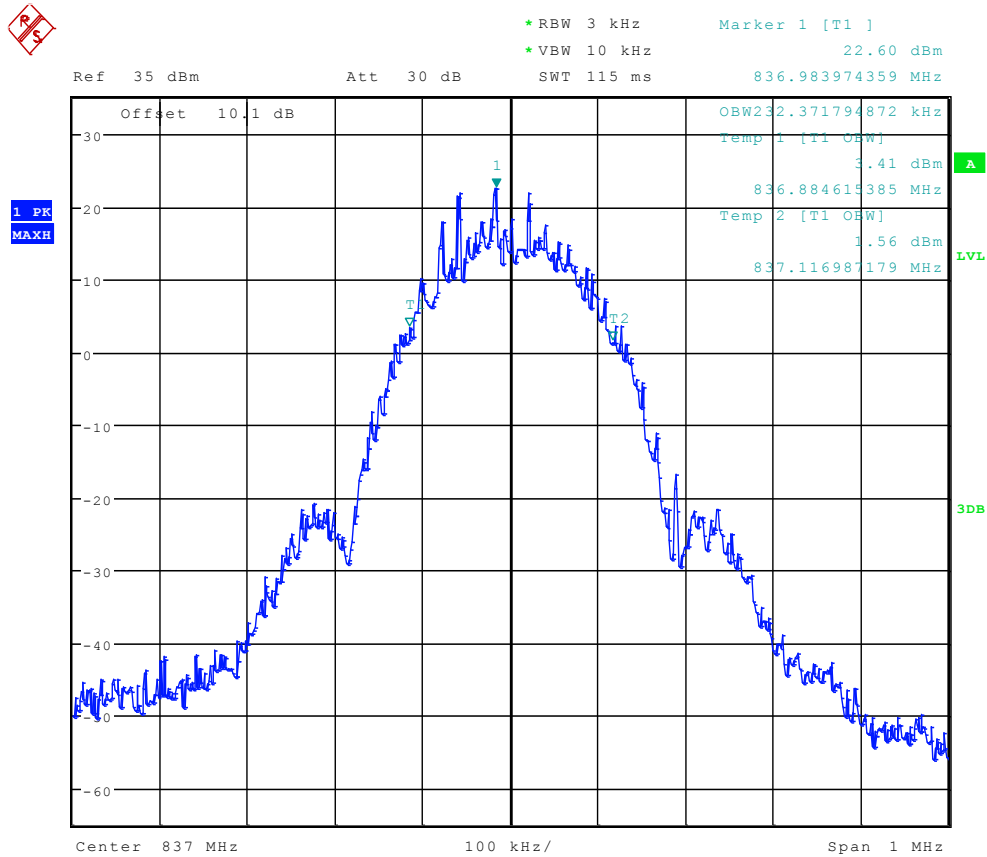


Channel 192 (TM1:GPRS/GSM)



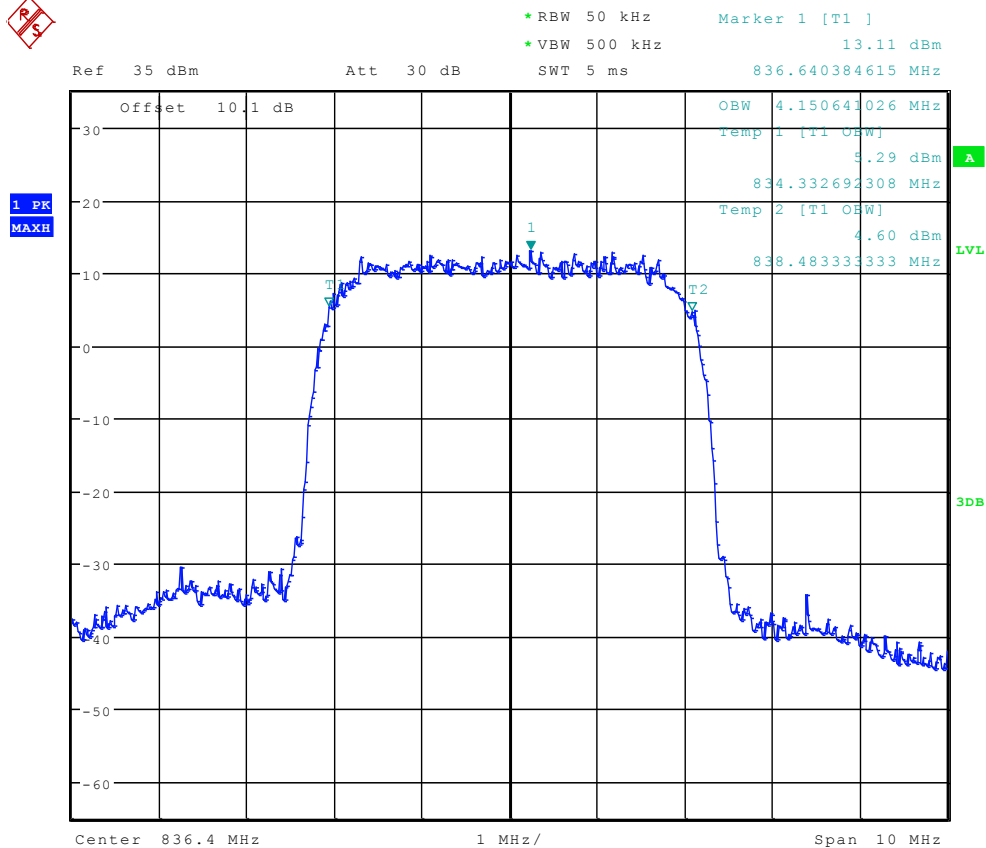


Channel 192 (TM2:EDGE)



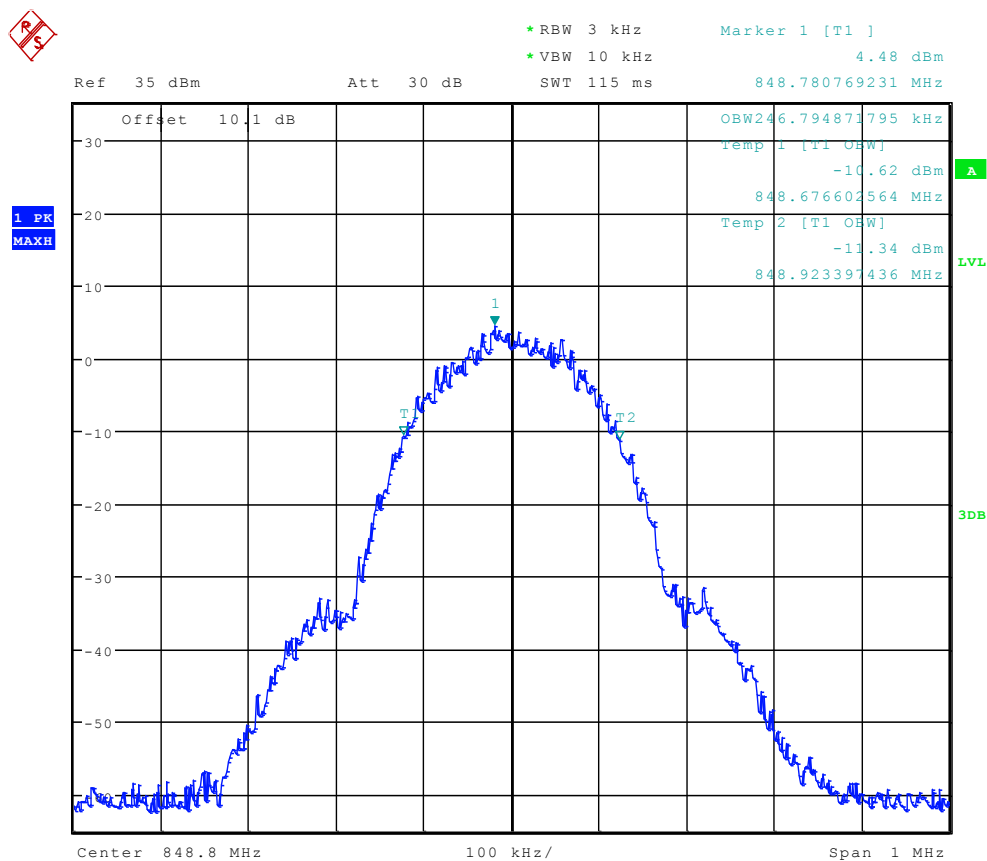


Channel 4182 (TM3: WCDMA)



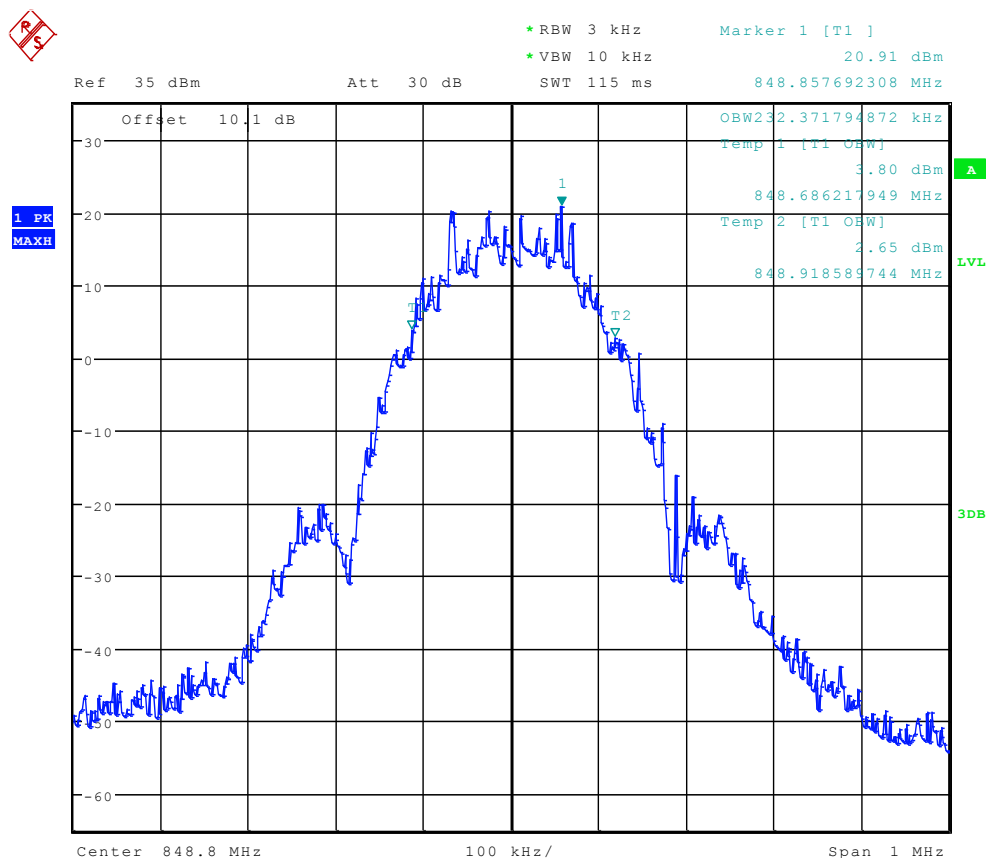


Channel 251 (TM1:GPRS/GSM)



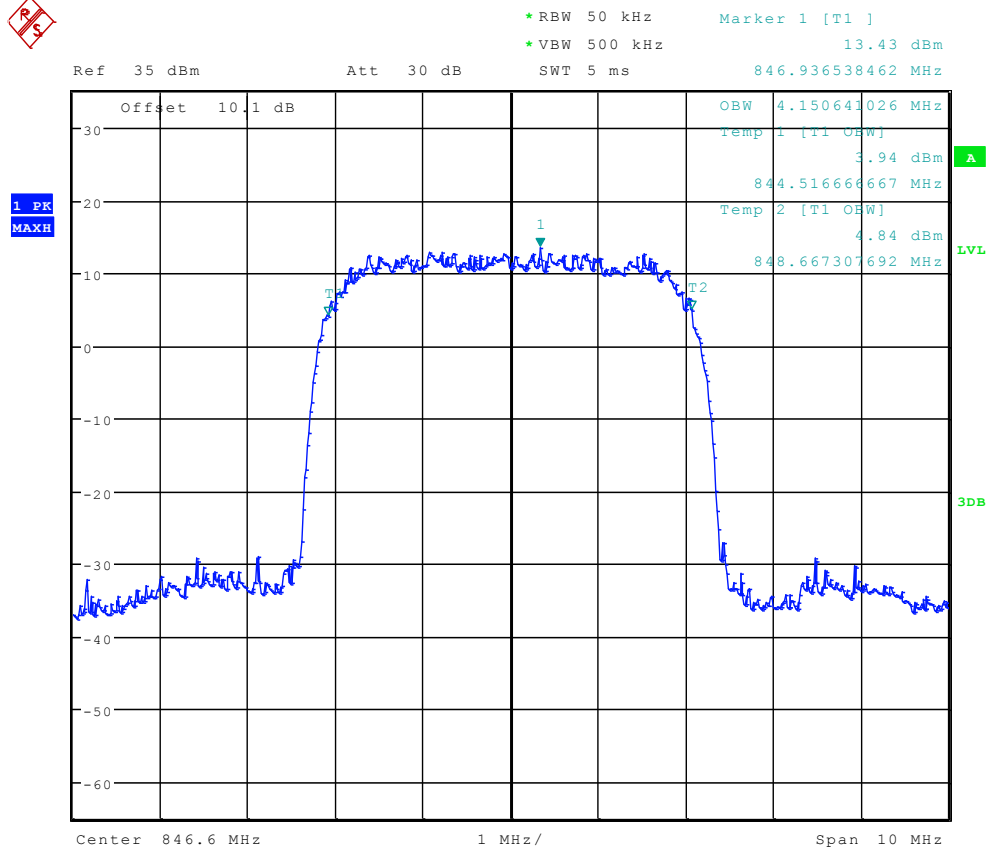


Channel 251 (TM2:EDGE)





Channel 4233 (TM3: WCDMA)





Appendix C

Band Edges Compliance

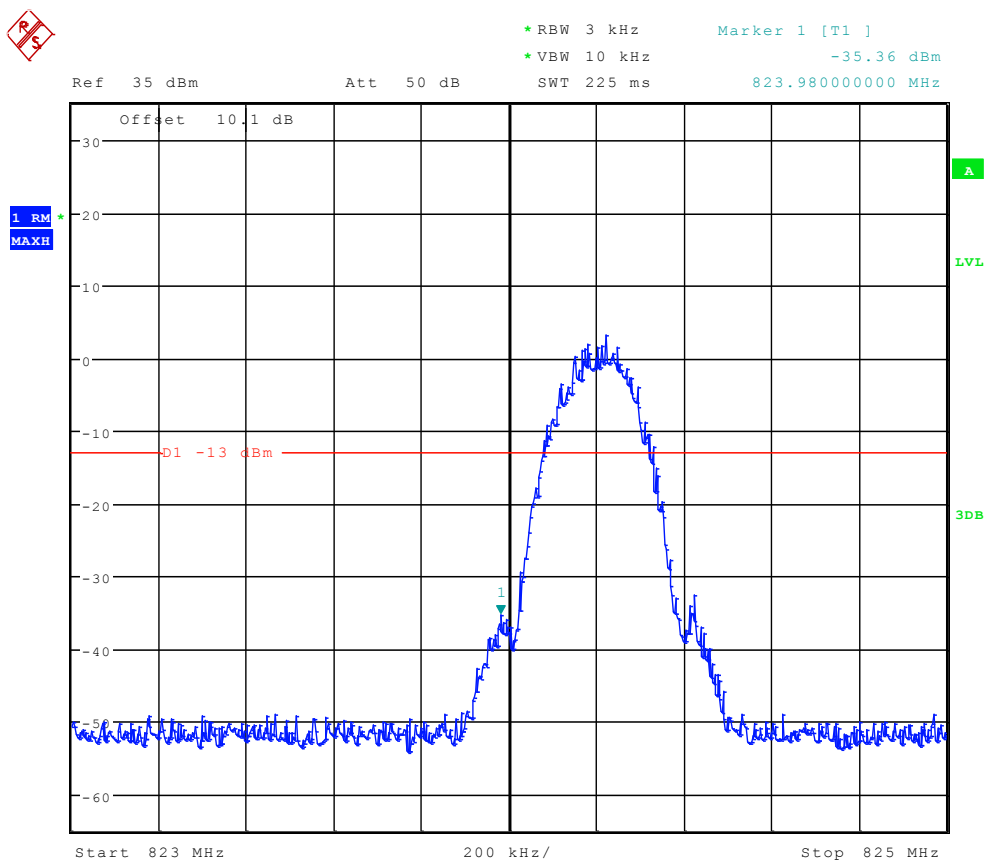
According to FCC Part 2.1051 & Part 22 Subpart H
& RSS-132



TM1:GPRS/GSM

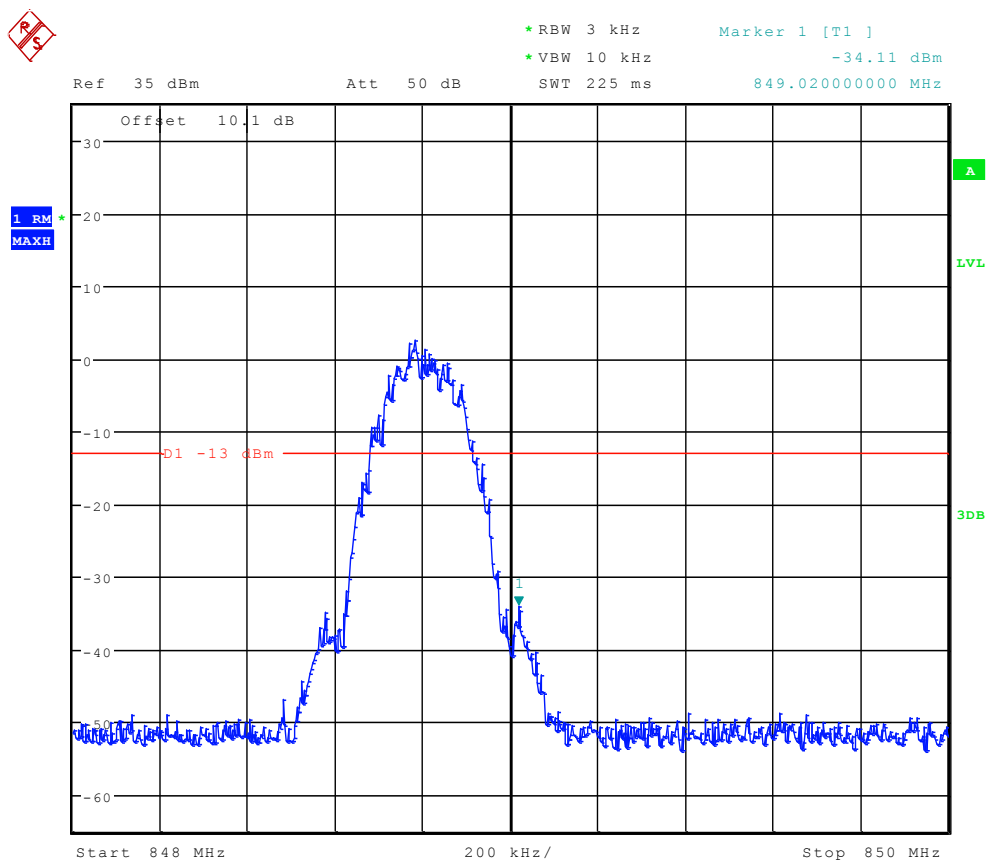
Left Edge

Channel 128



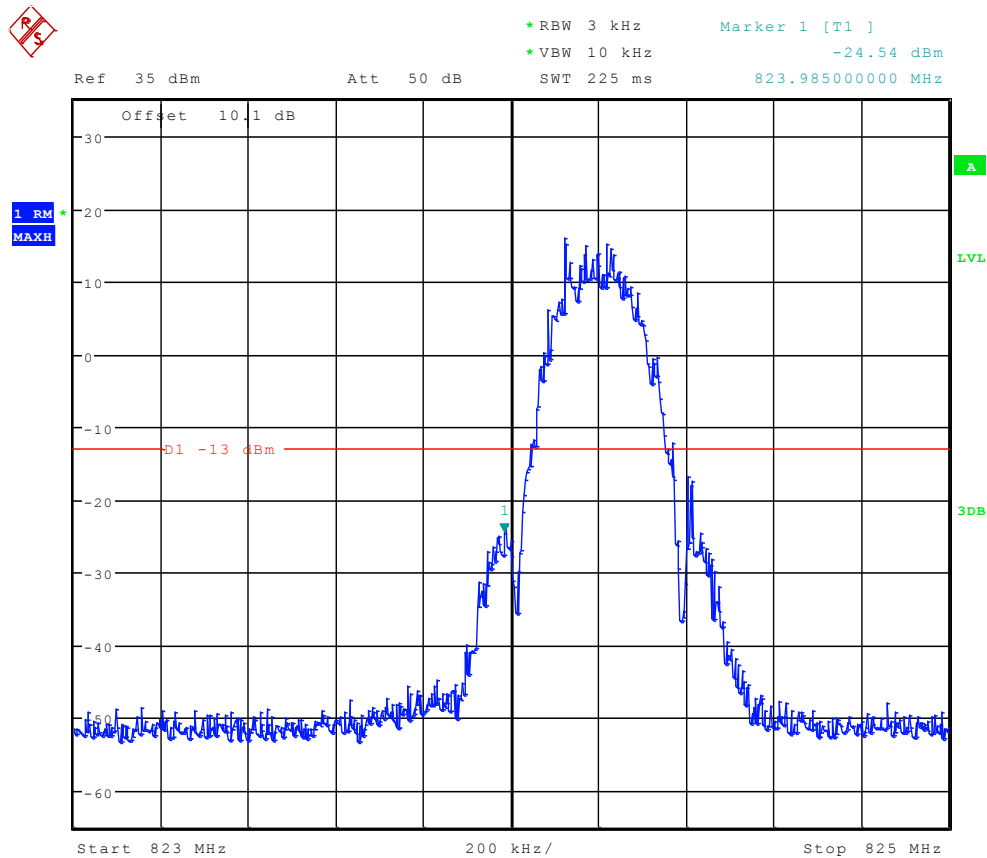


Right Edge Channel 251



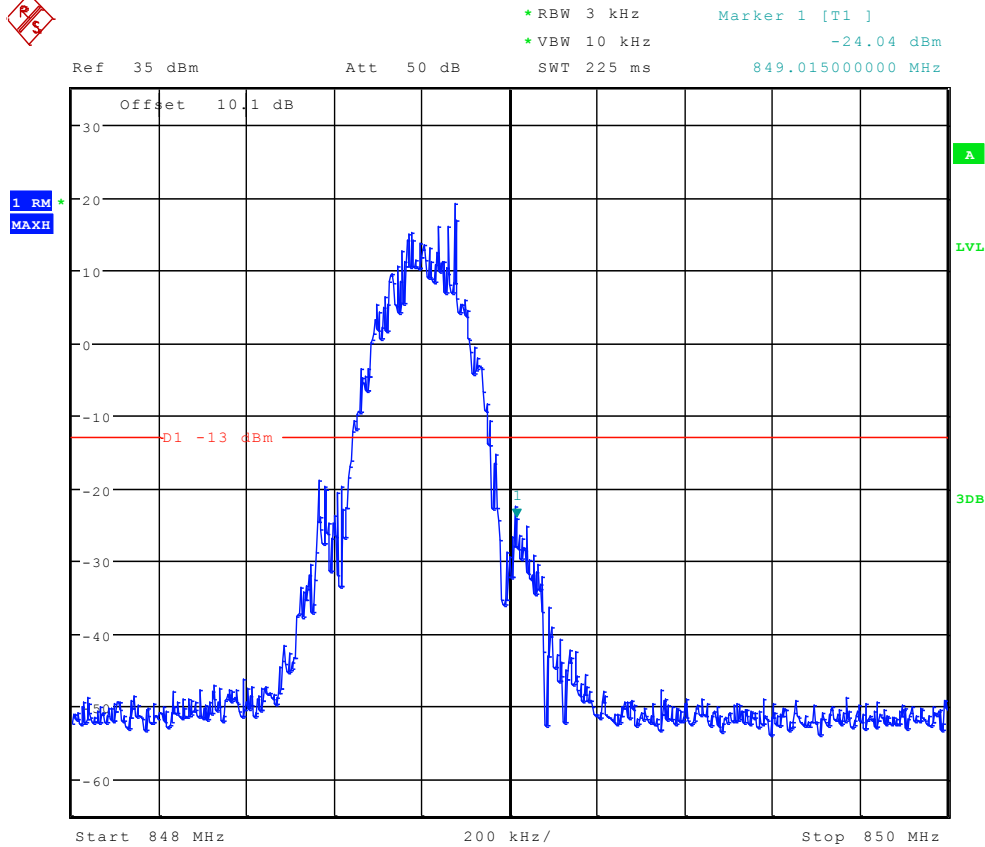


TM2:EDGE Left Edge Channel 128



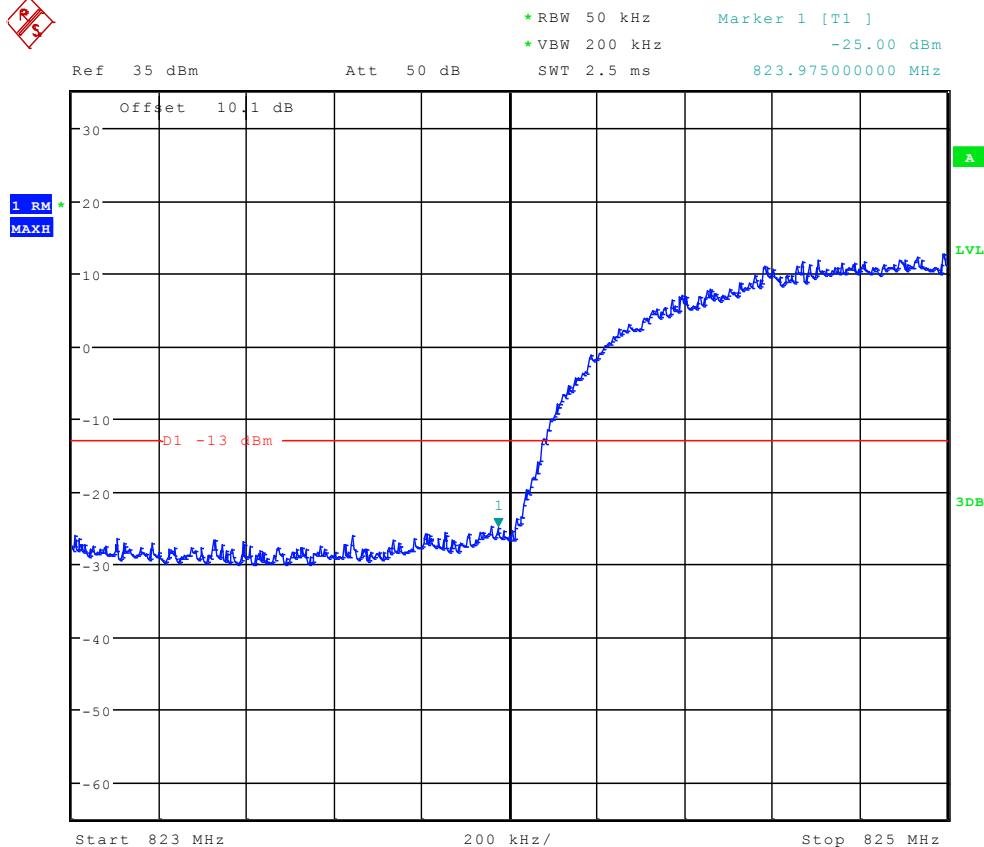


Right Edge Channel 251





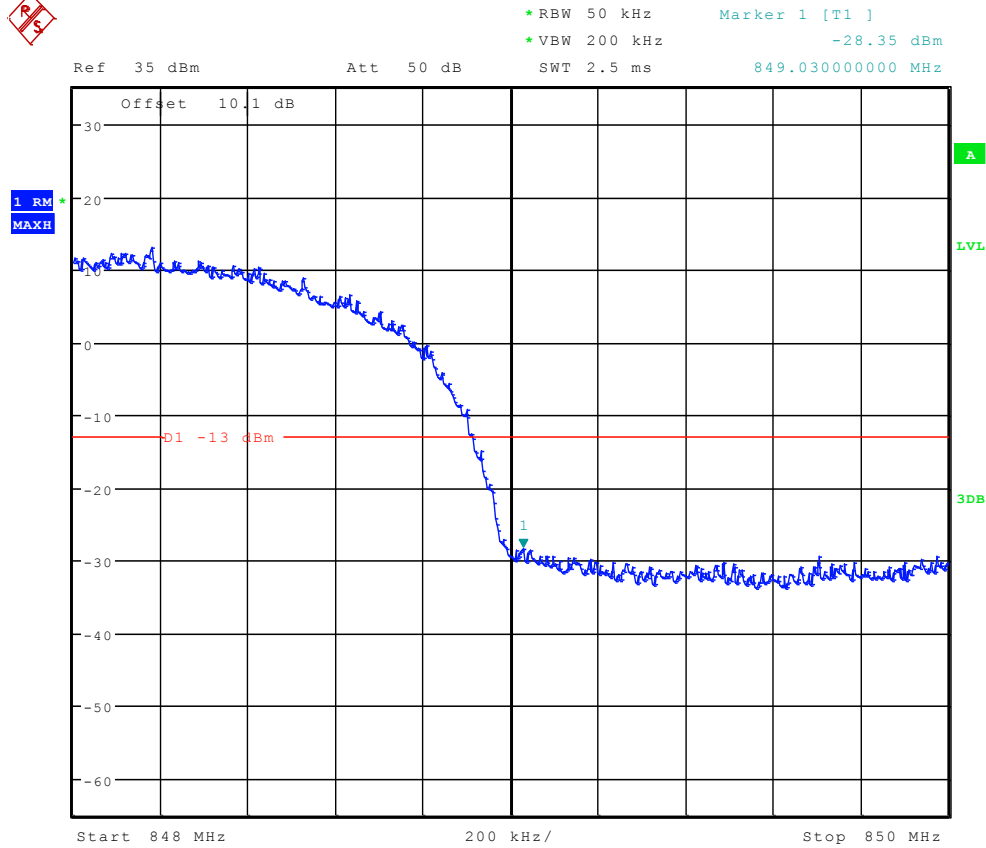
TM3: WCDMA Left Edge Channel 4132



Right Edge



Channel 4233





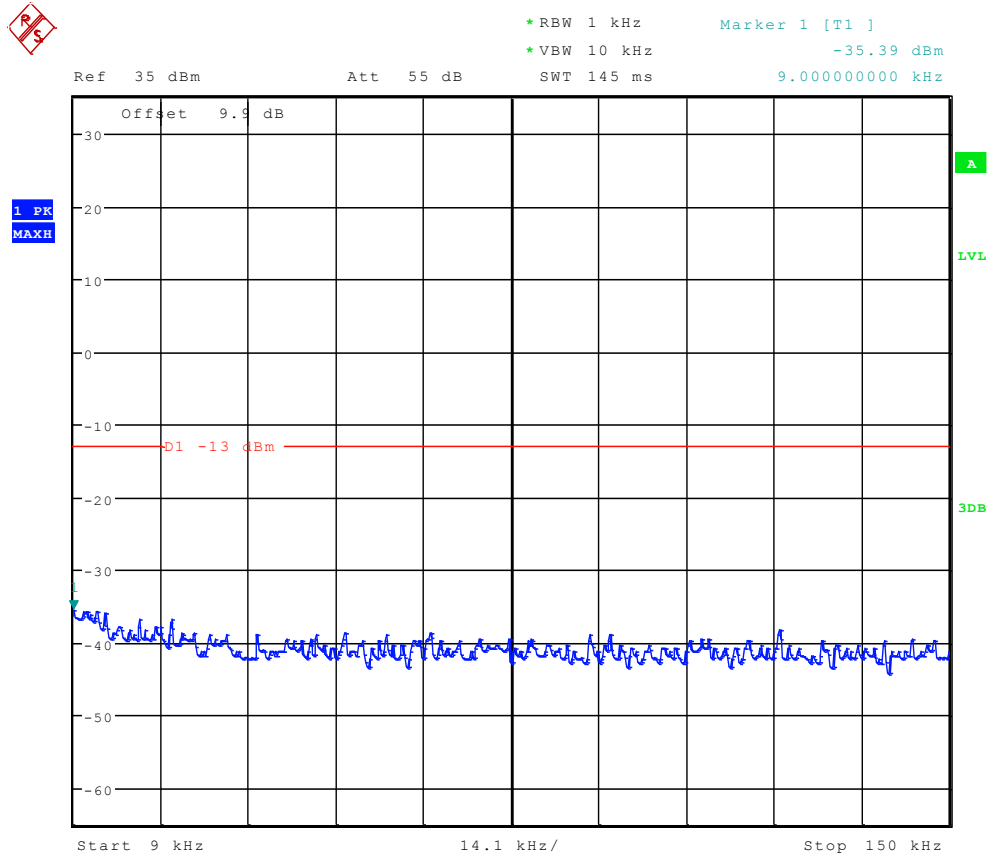
Appendix D

Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & Part 22 Subpart H
& RSS-132

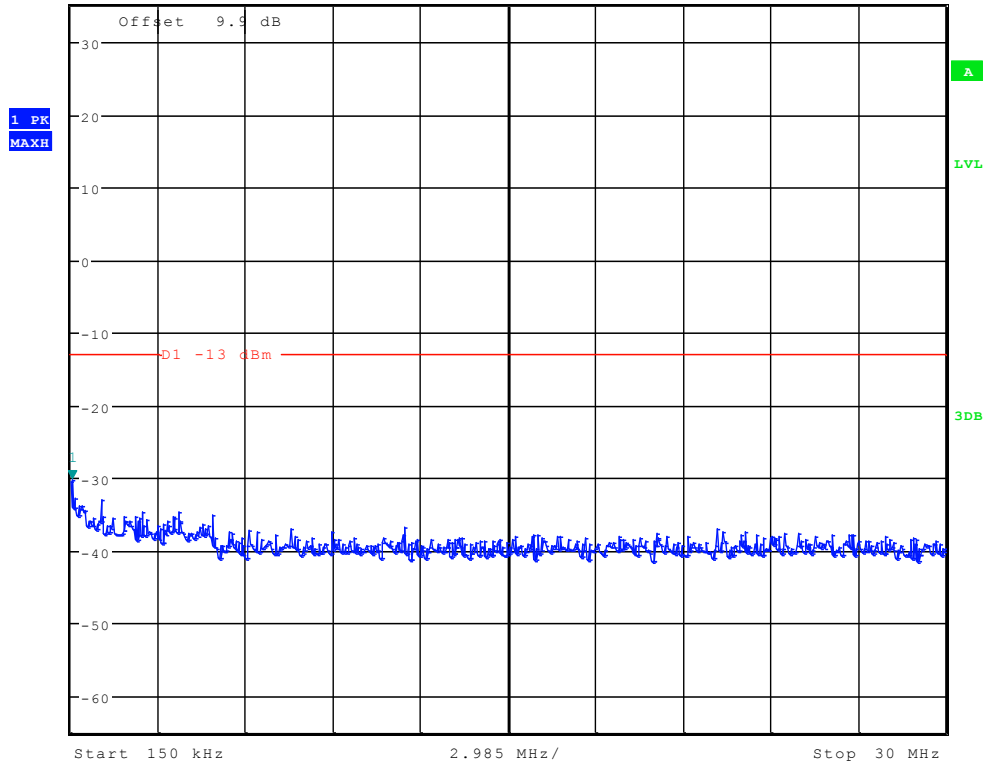


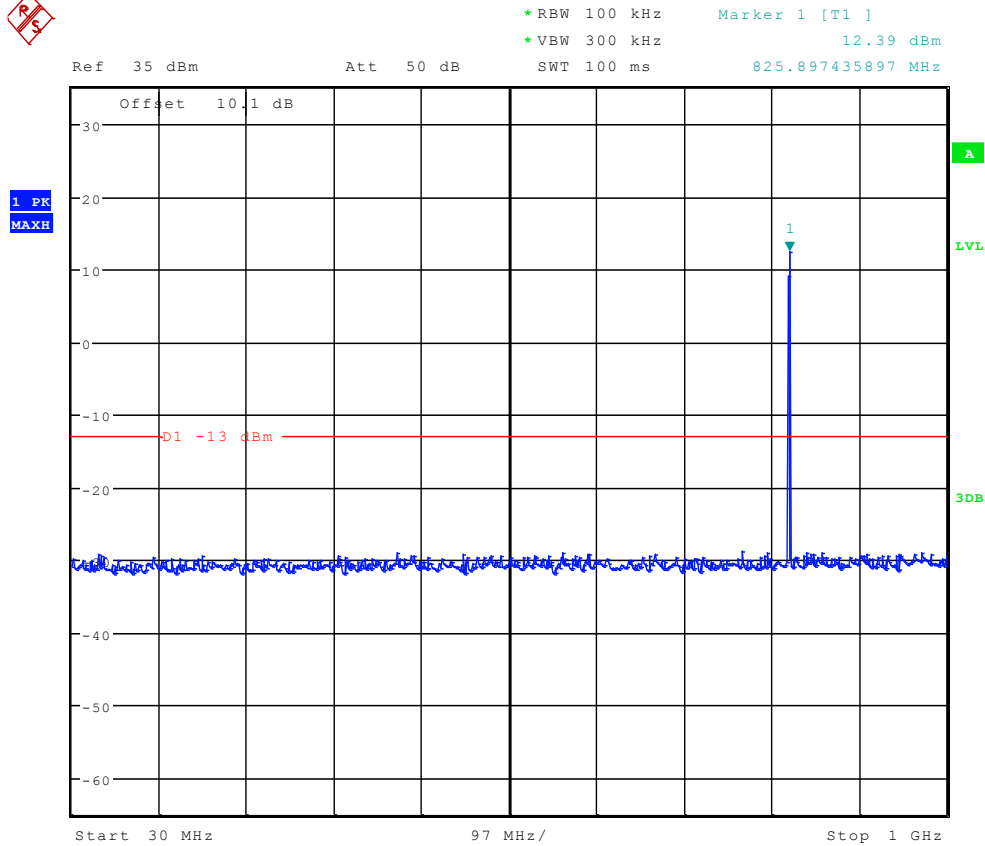
TM1:GPRS/GSM Channel 128





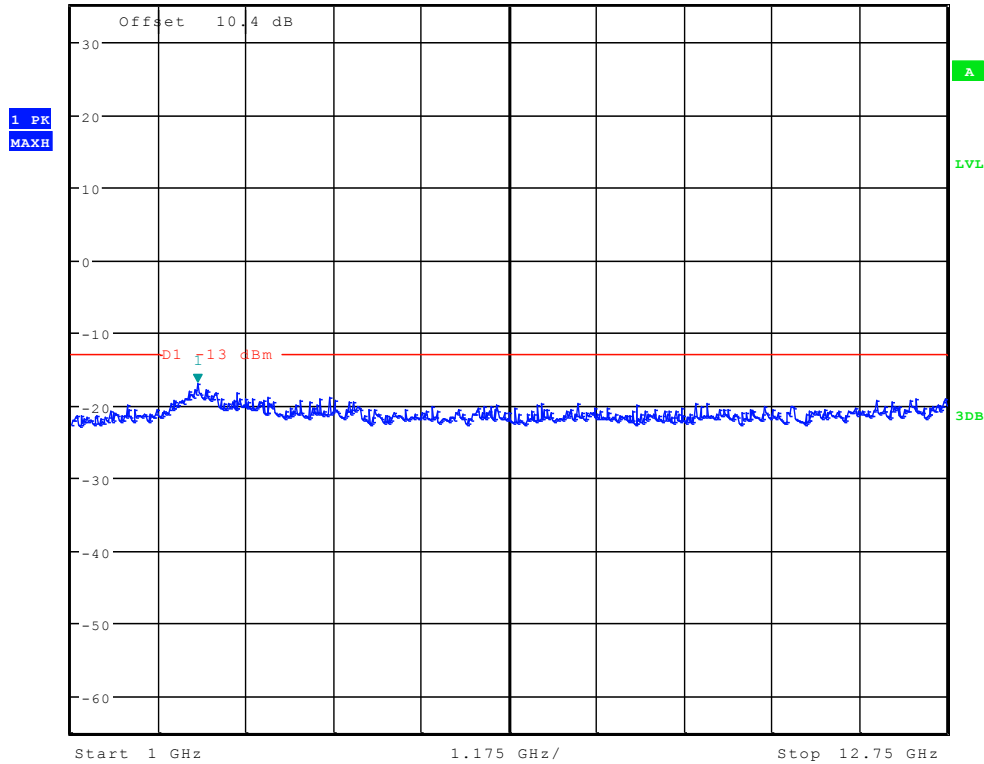
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -30.22 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz





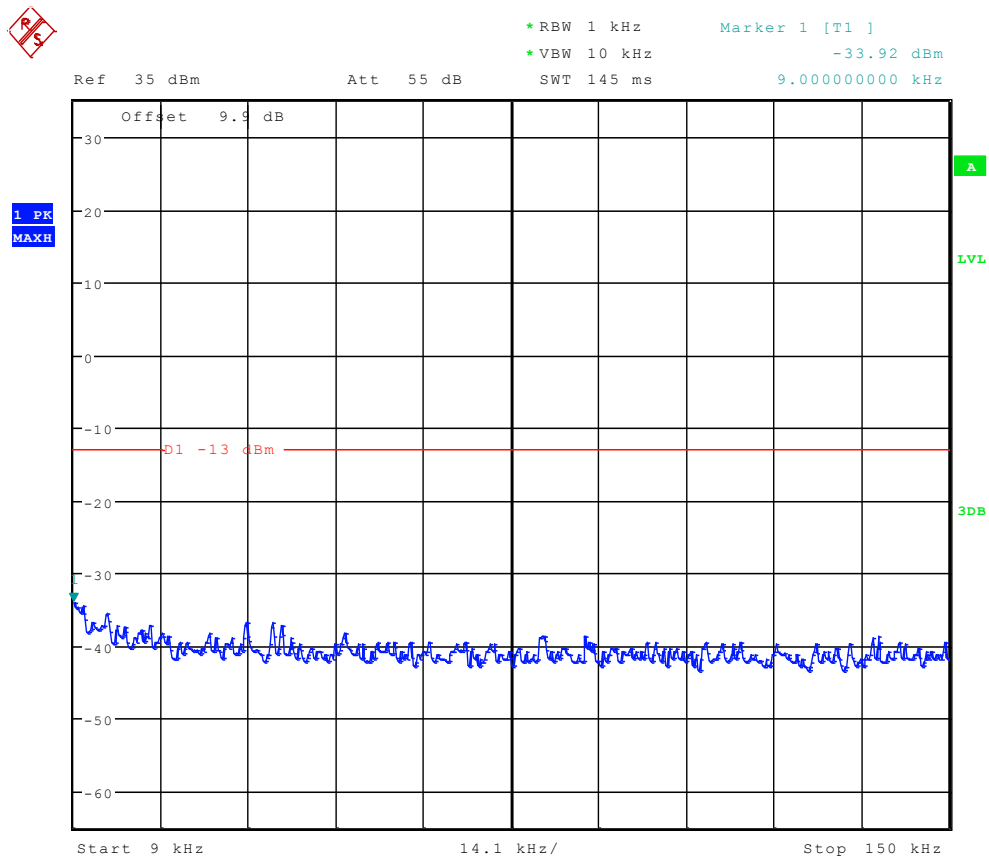


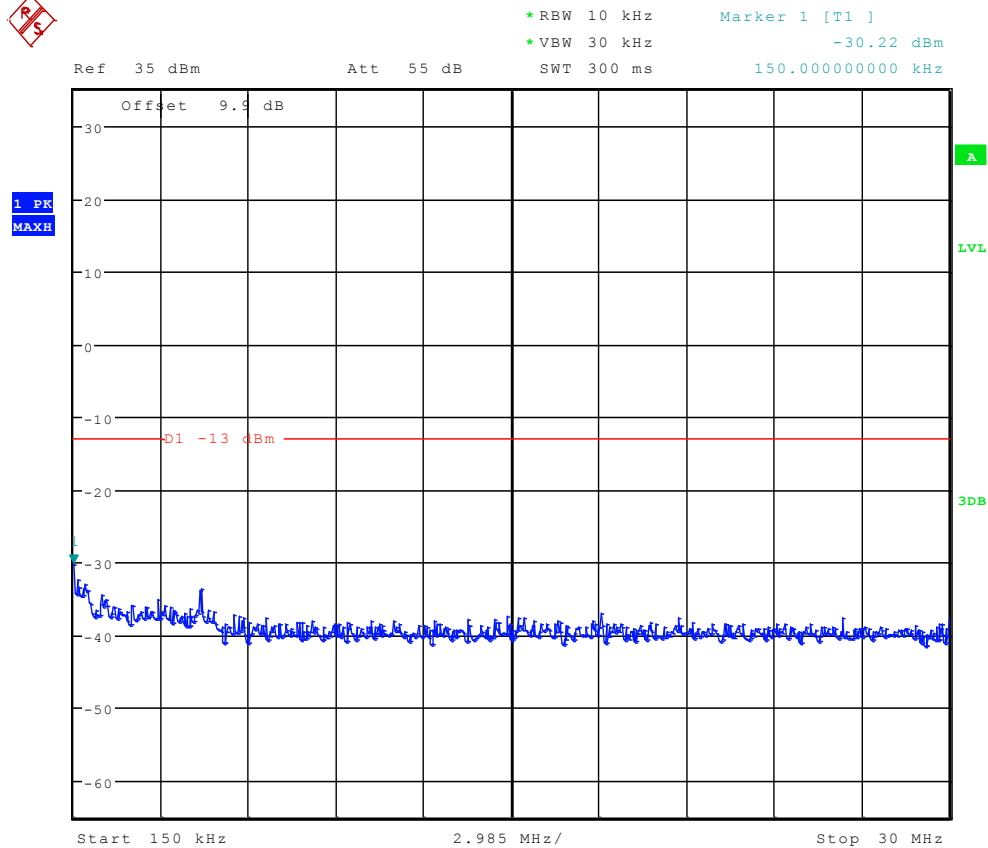
*RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz -17.03 dBm
Ref 35 dBm Att 50 dB SWT 70 ms 2.694711538 GHz

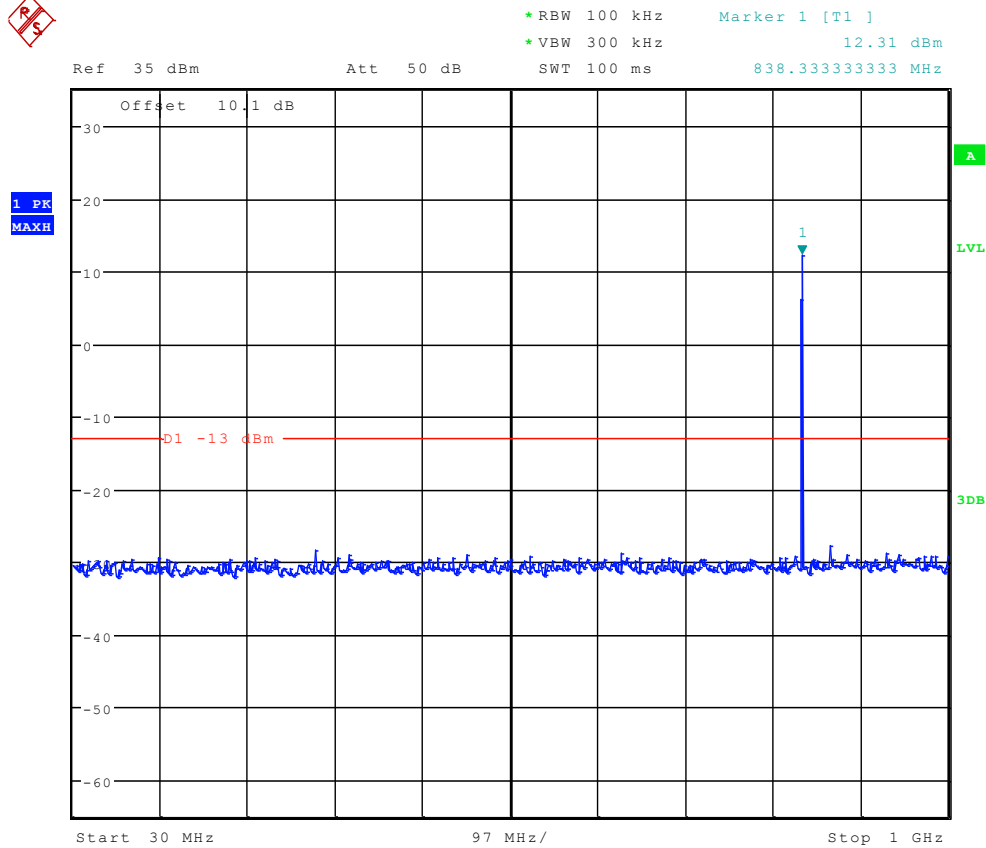


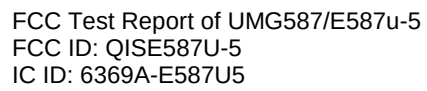


Channel 192







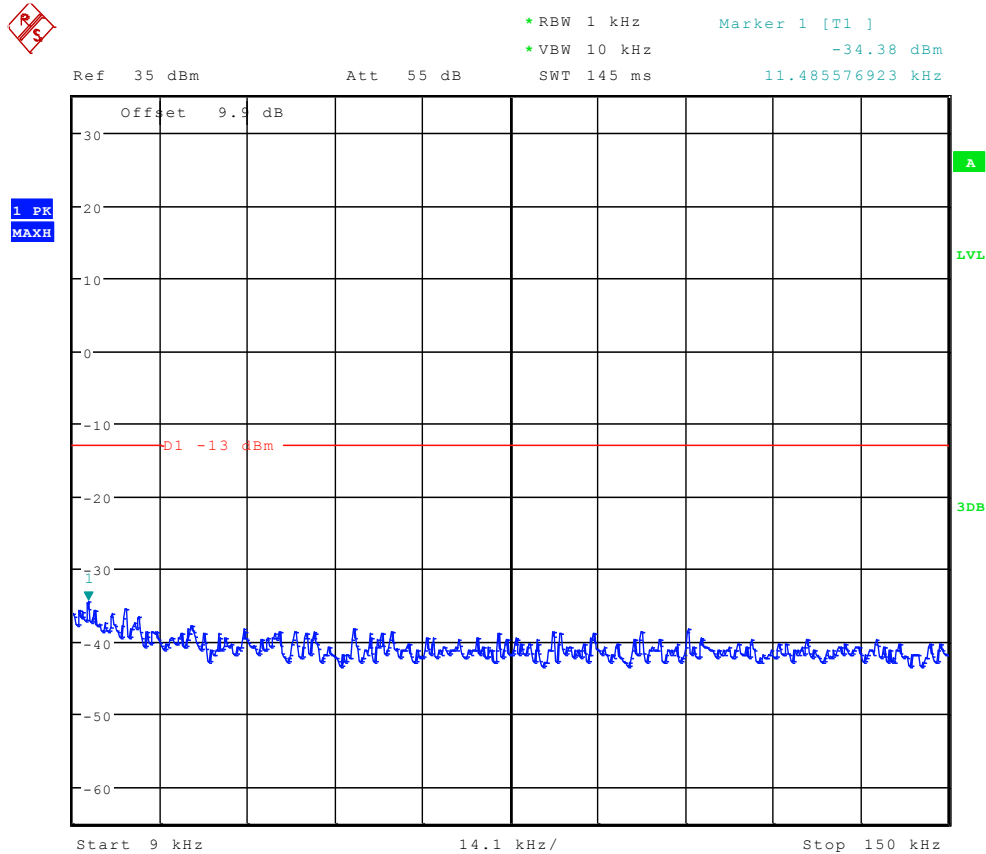


Ref	35 dBm	Att	50 dB	SWT	70 ms	2.807692308 GHz
-----	--------	-----	-------	-----	-------	-----------------





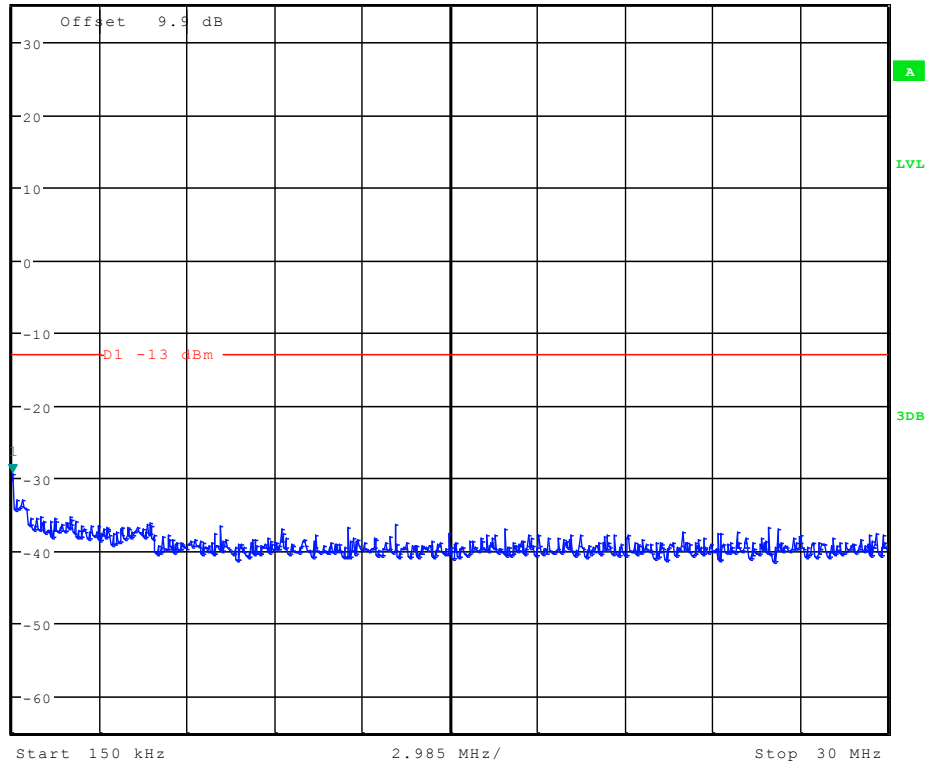
Channel 251

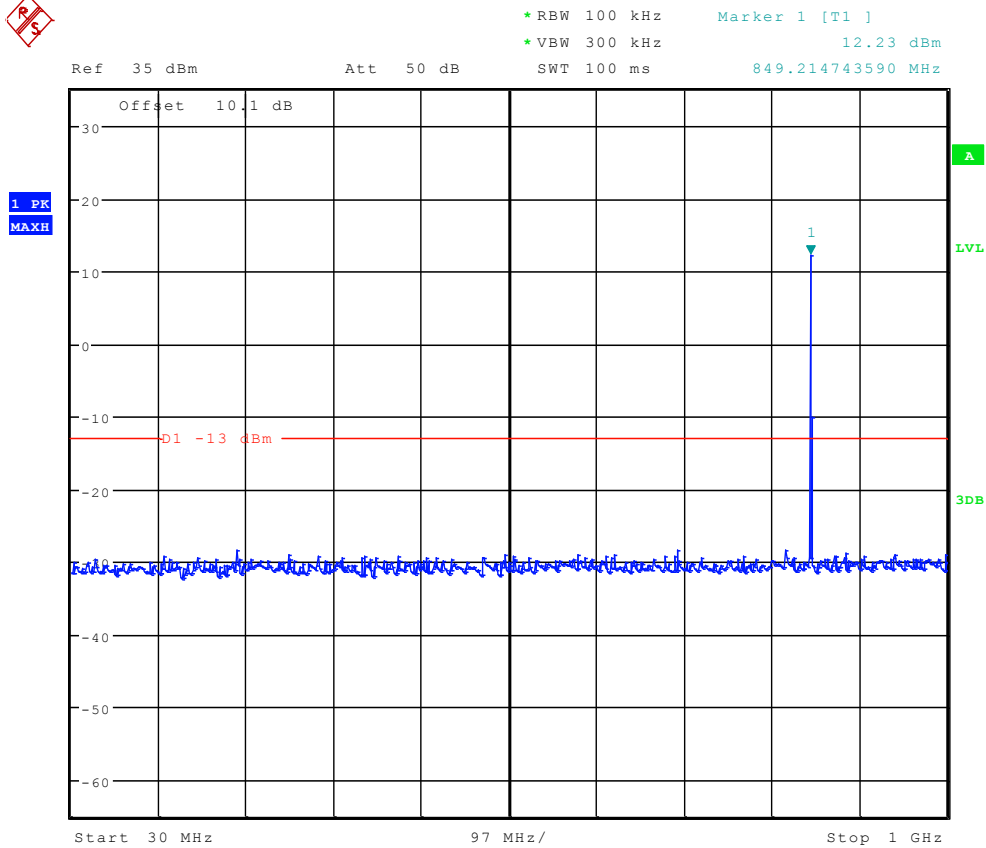




1 PK
MAXH

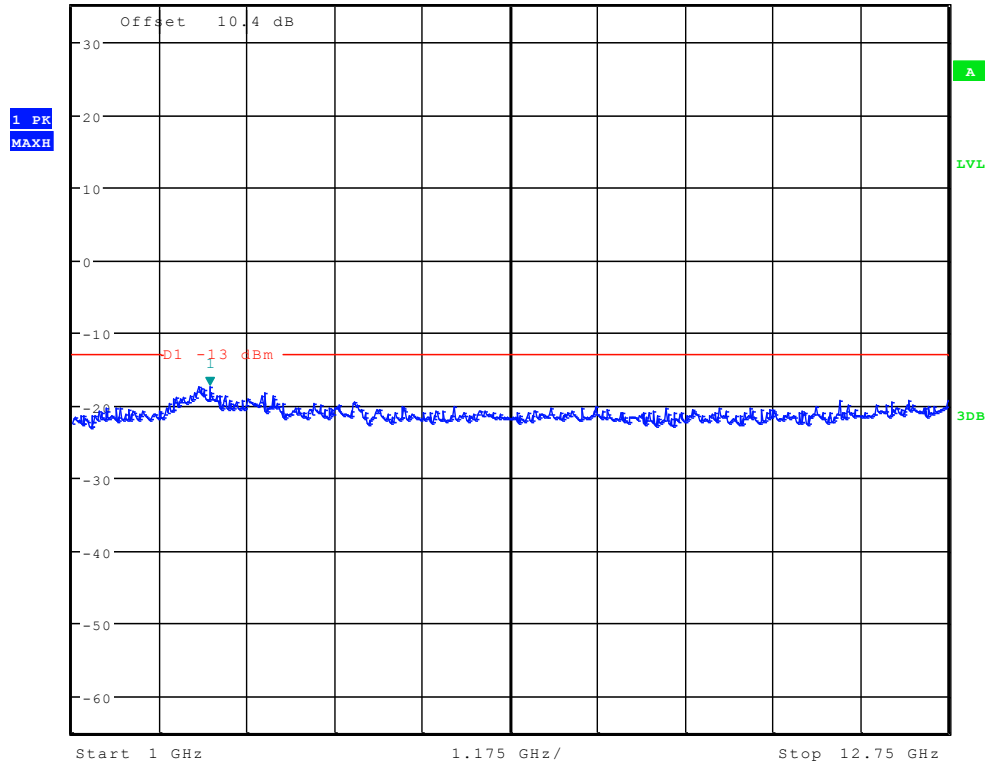
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -29.32 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.00000000 kHz





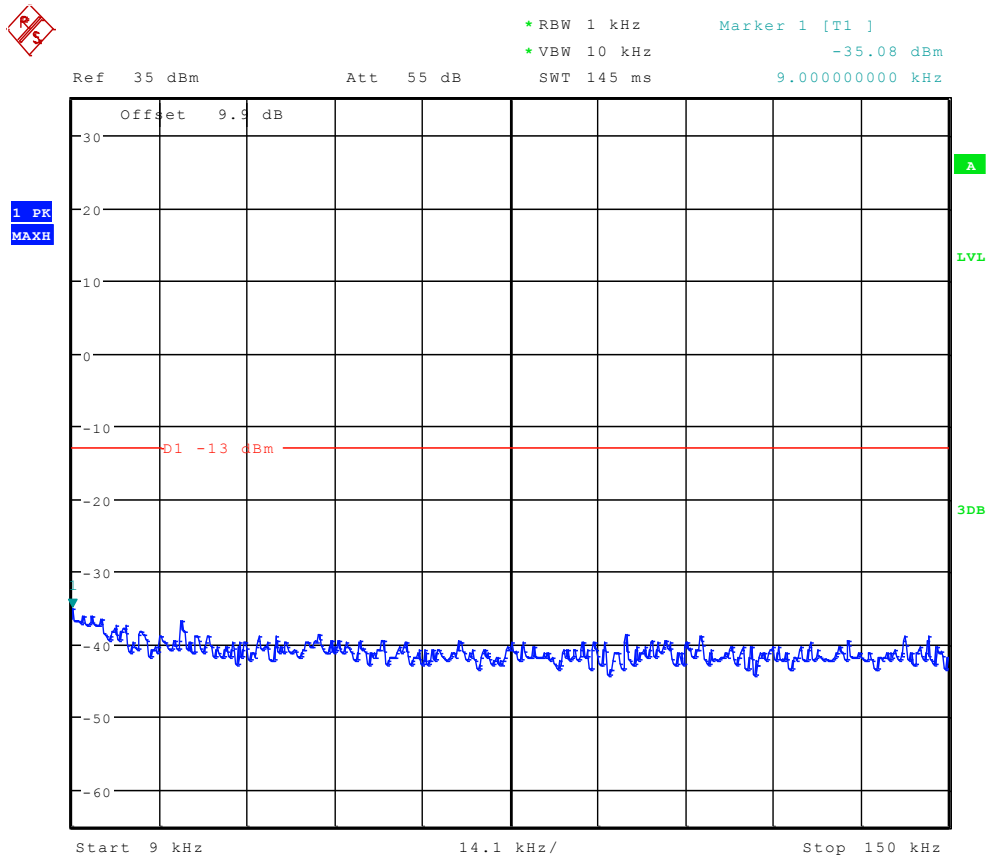


*RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz -17.31 dBm
Ref 35 dBm Att 50 dB SWT 70 ms 2.845352564 GHz



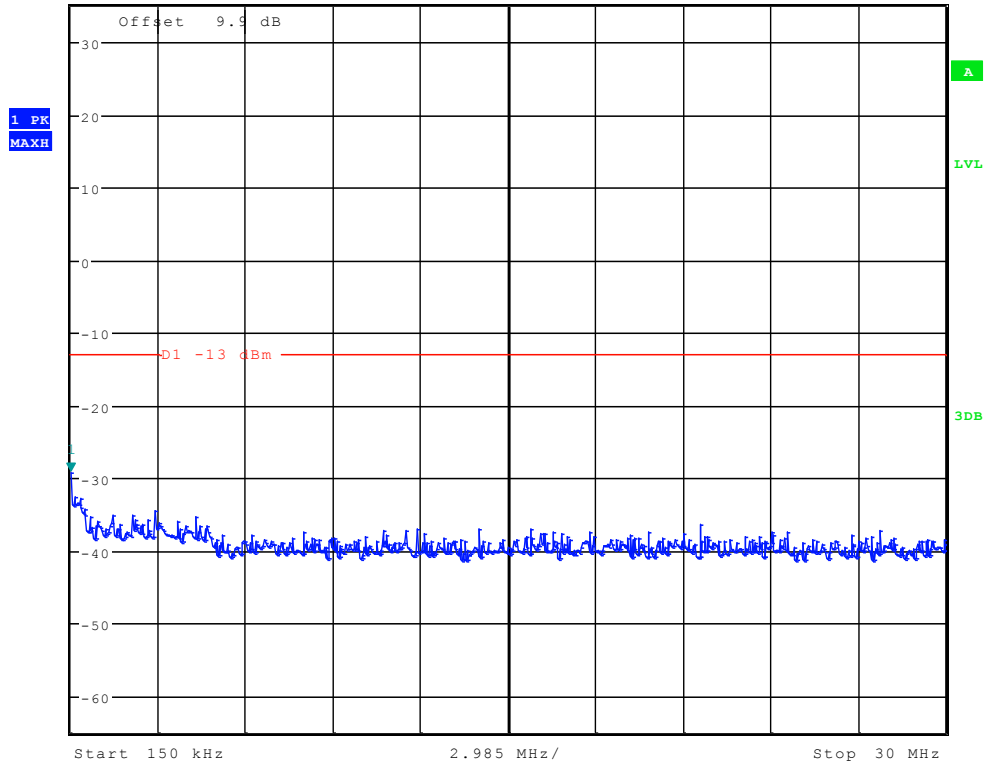


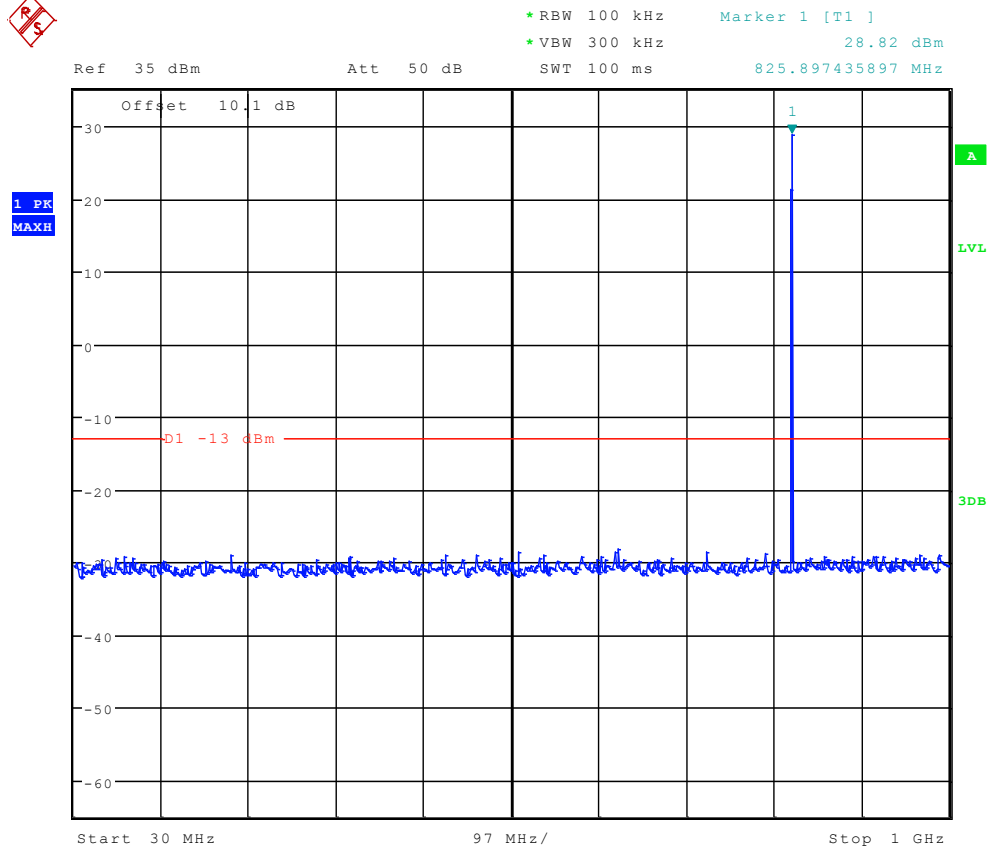
TM2:EDGE Channel 128





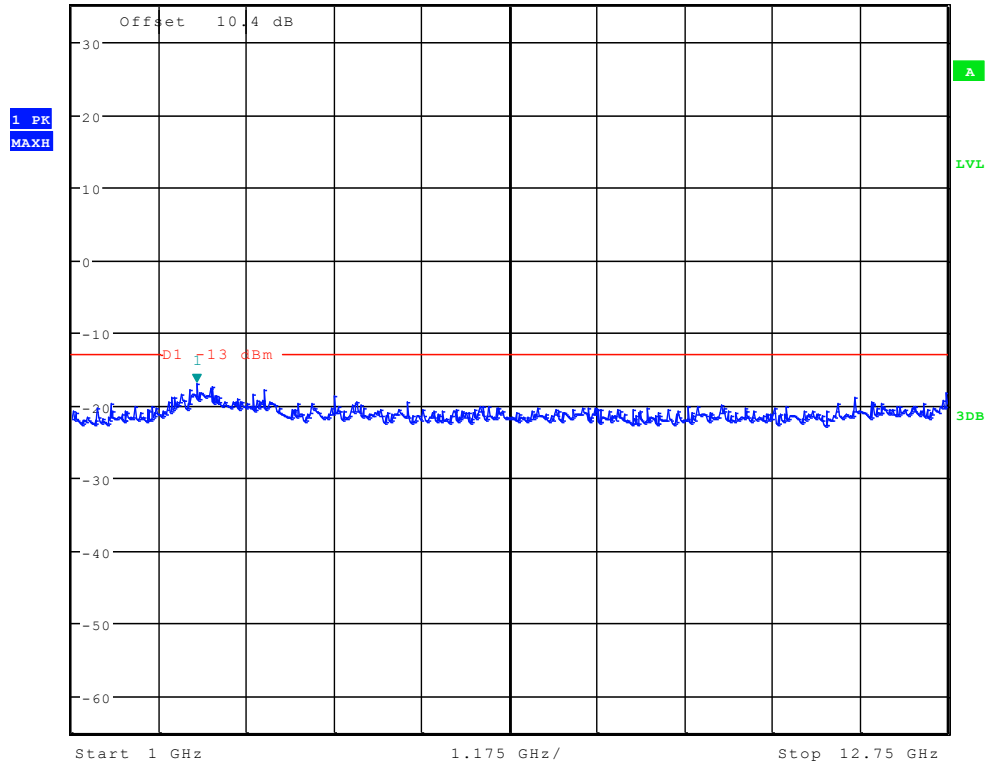
*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -29.27 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.00000000 kHz





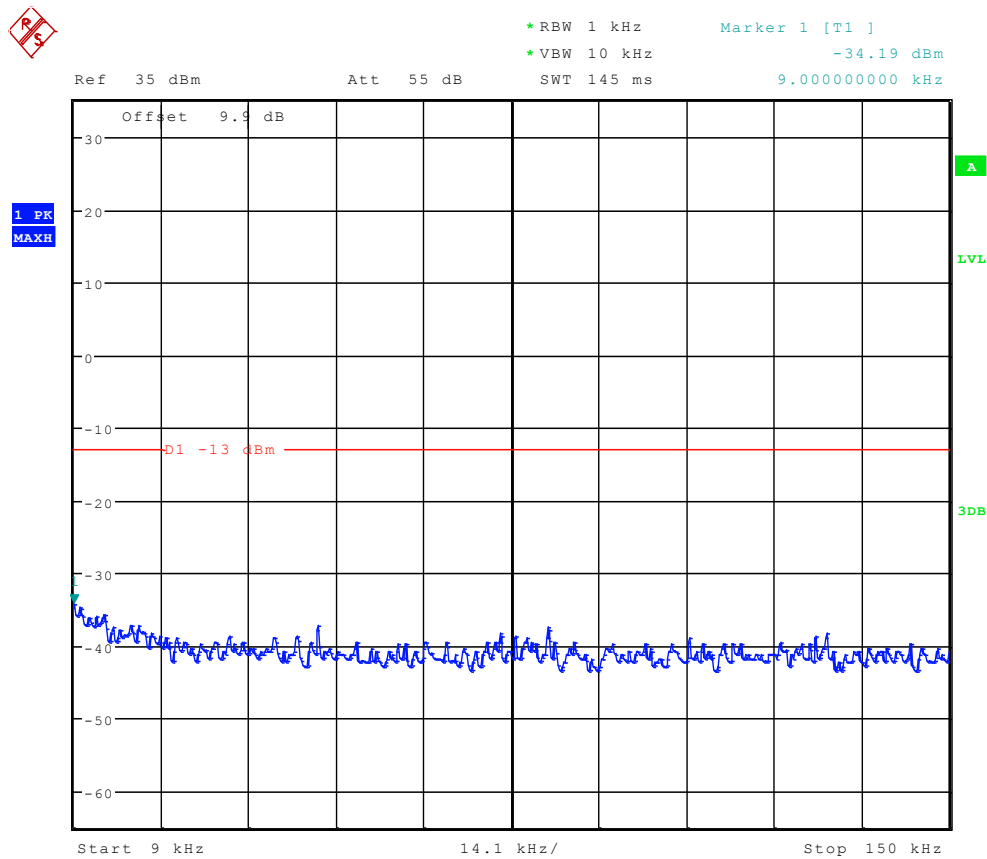


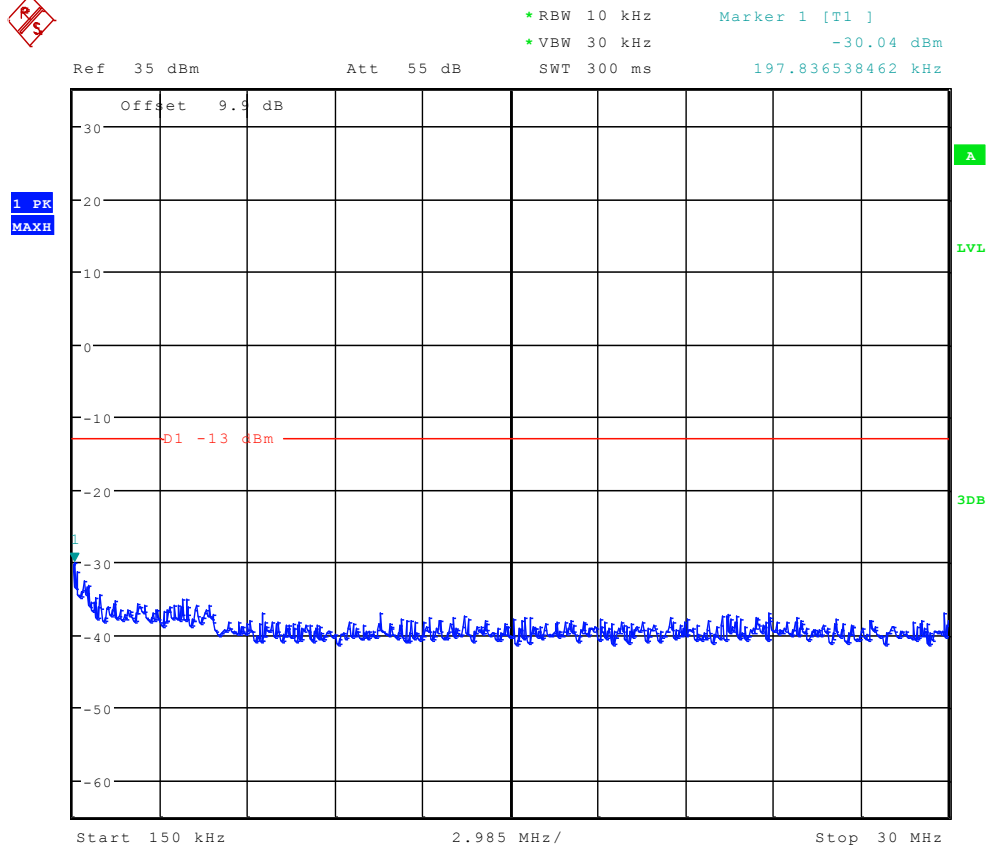
*RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz -16.94 dBm
Ref 35 dBm Att 50 dB SWT 70 ms 2.675881410 GHz

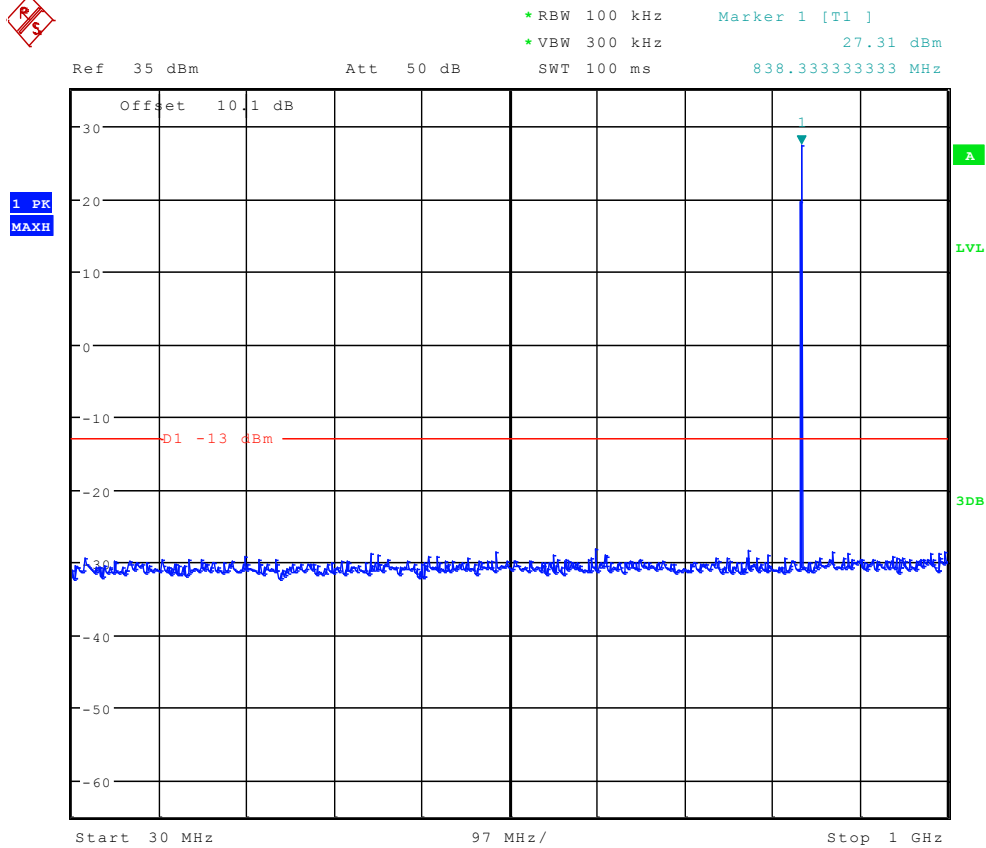


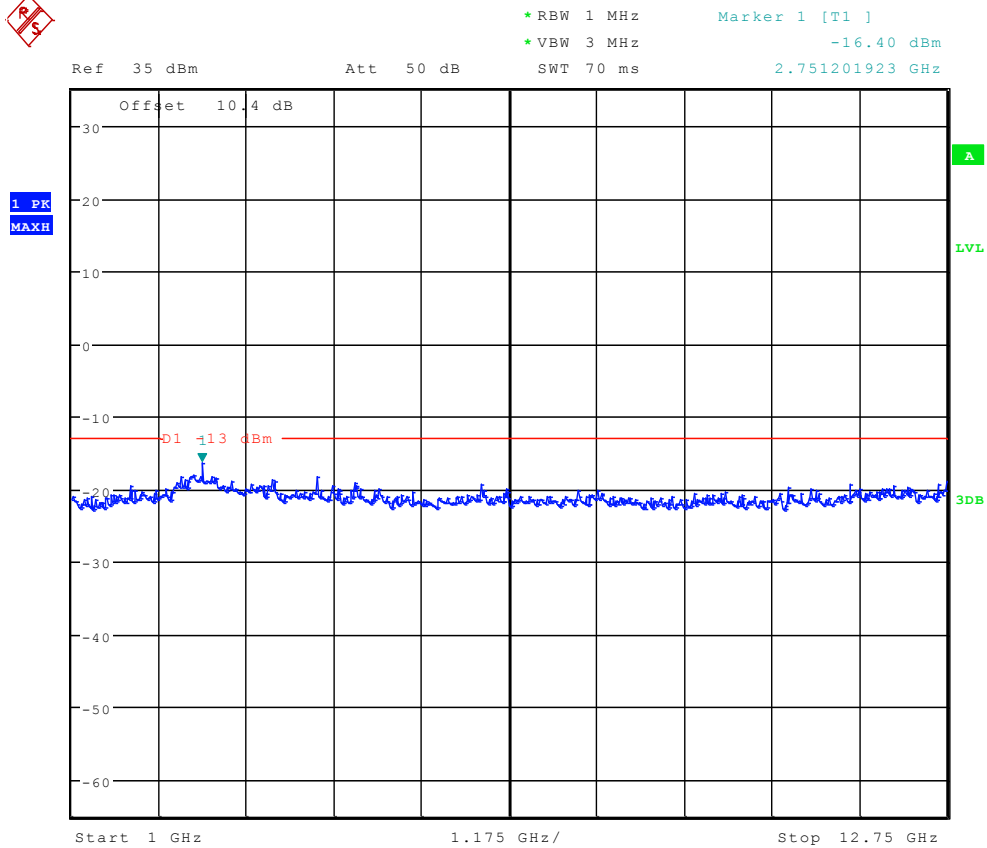


Channel 192



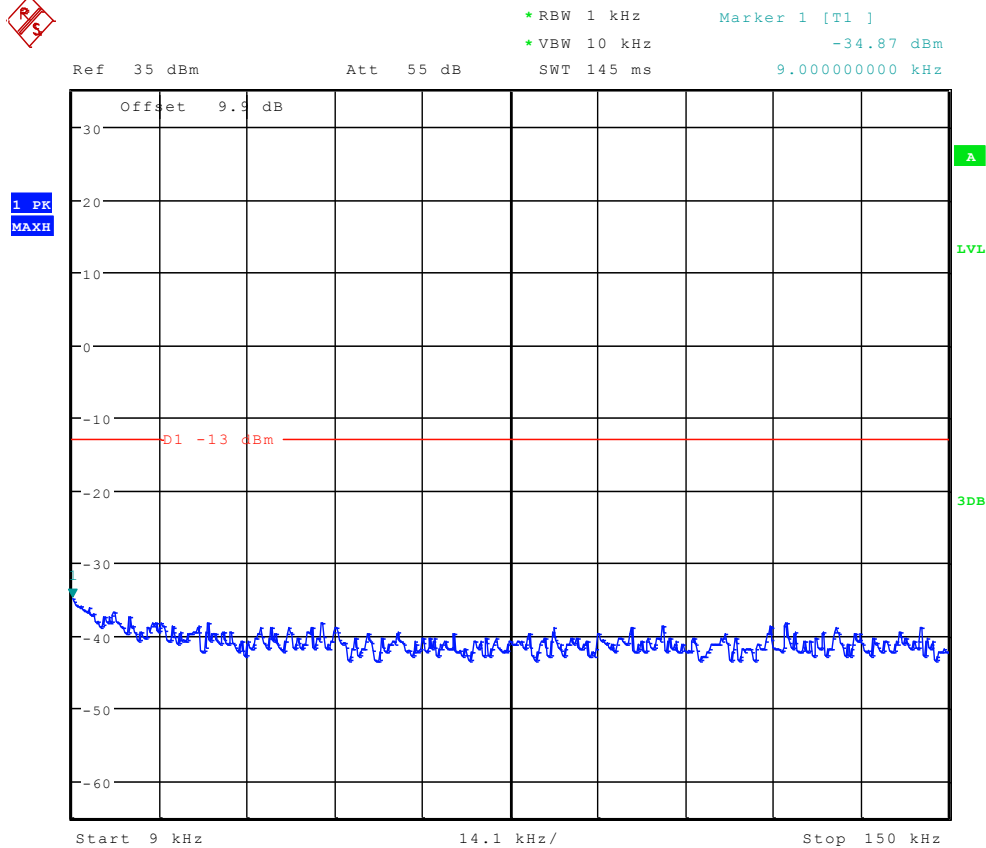






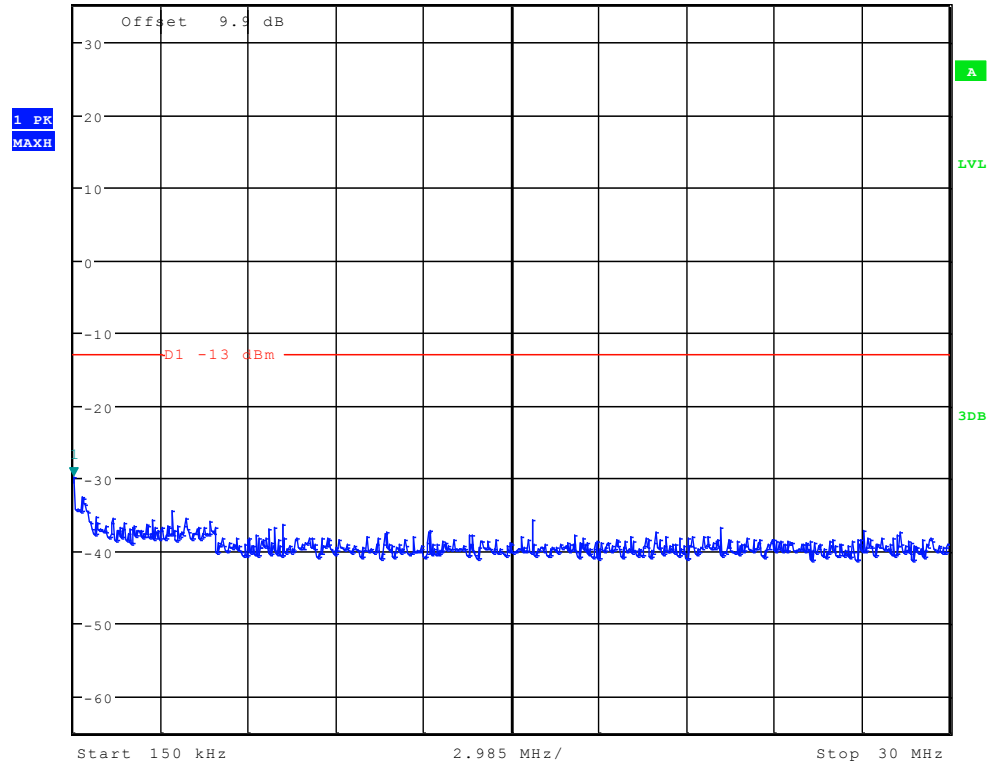


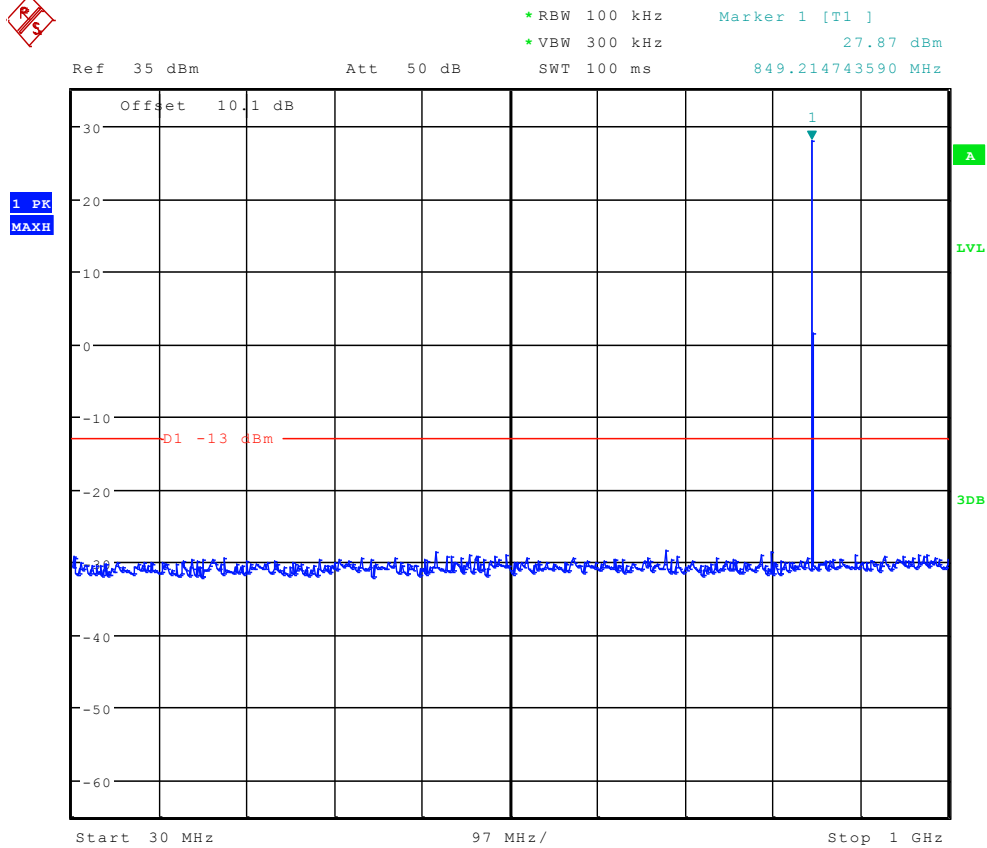
Channel 251

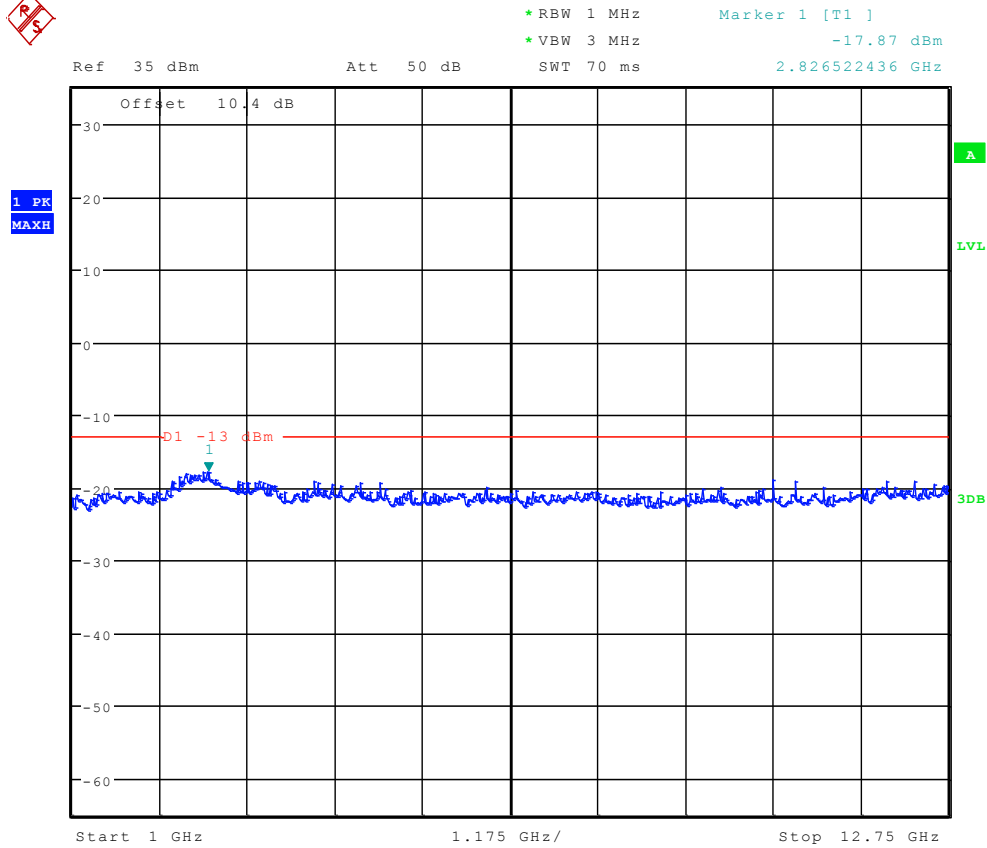




*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -29.87 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.000000000 kHz





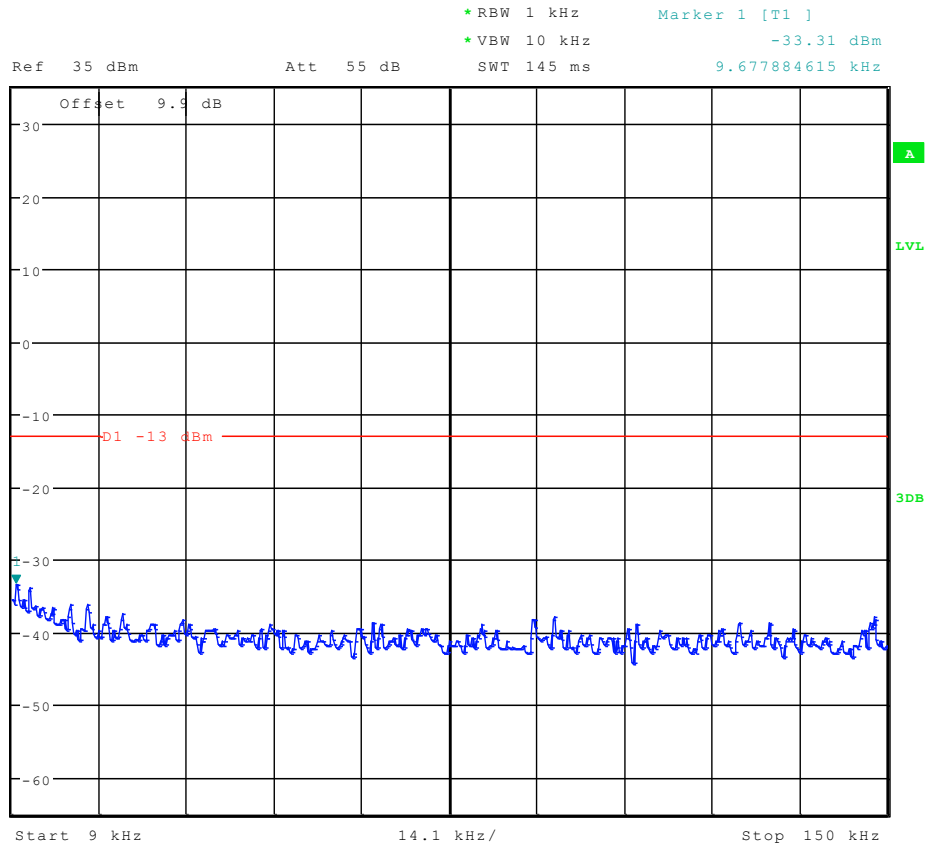


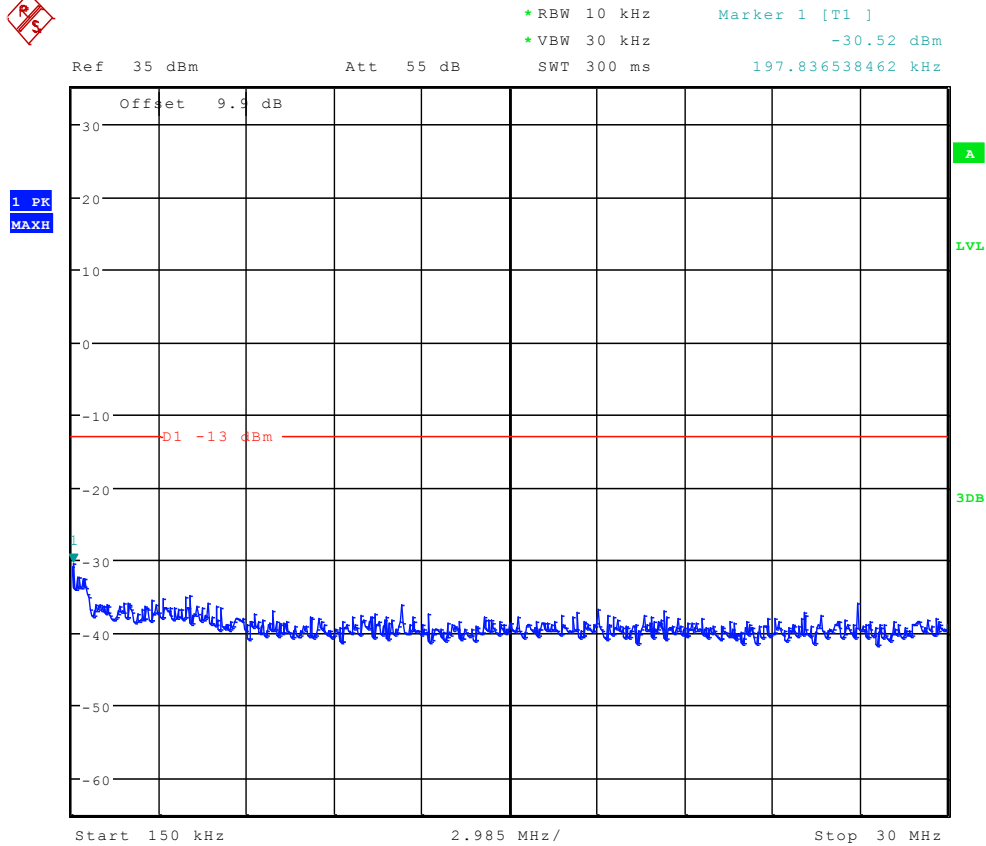


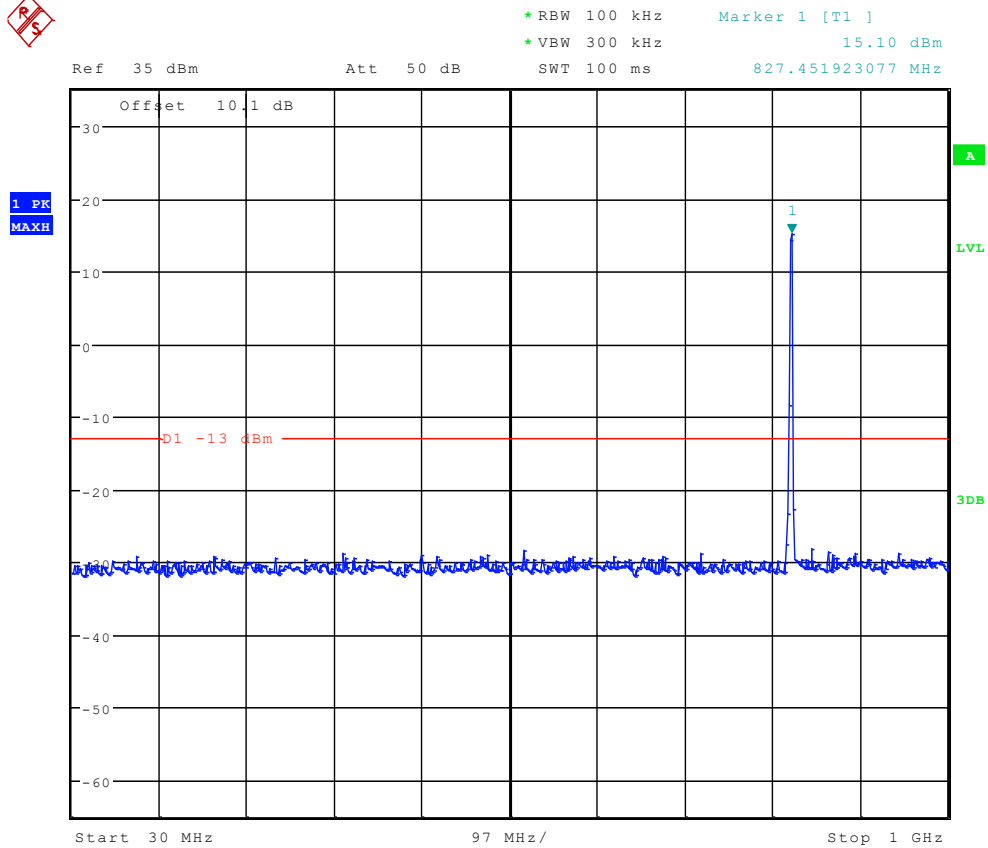
TM3: WCDMA Channel 4132

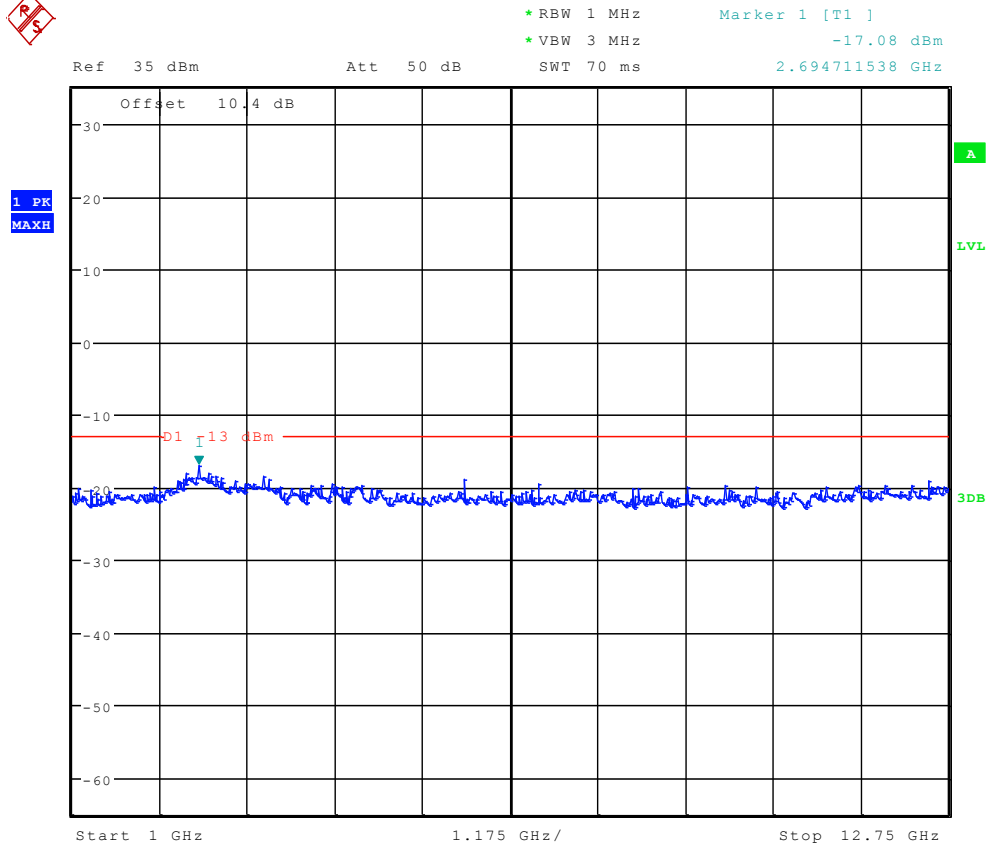


1. PK
MAXB



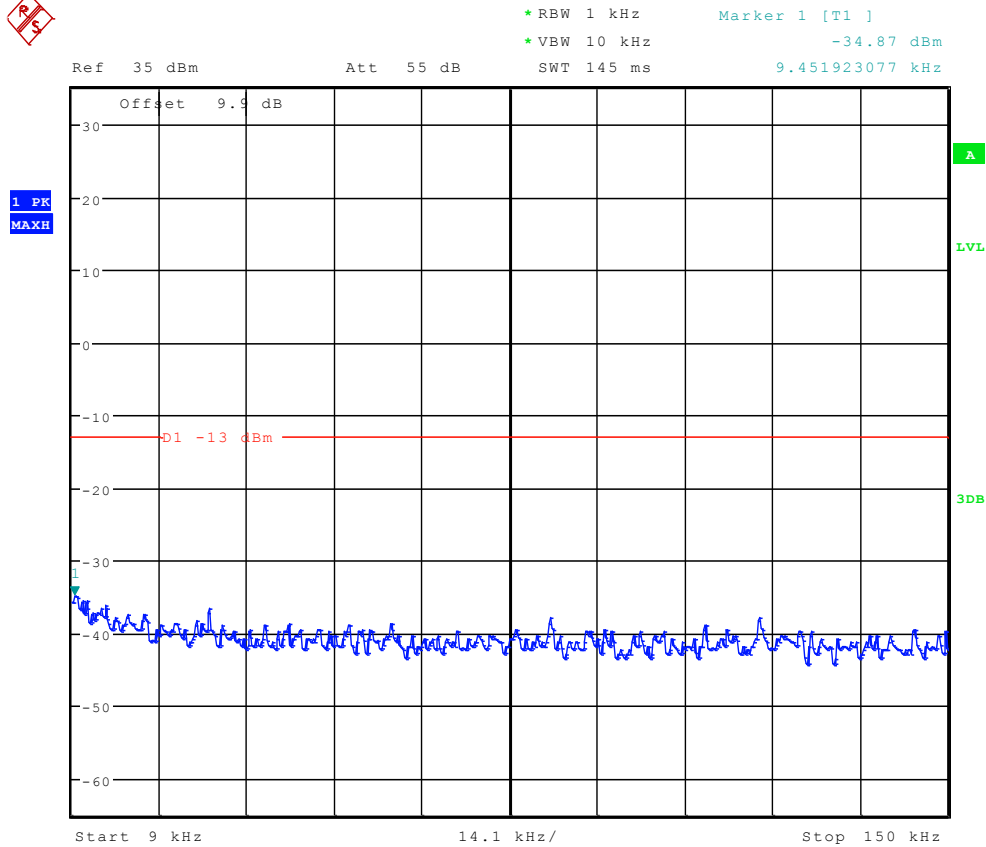


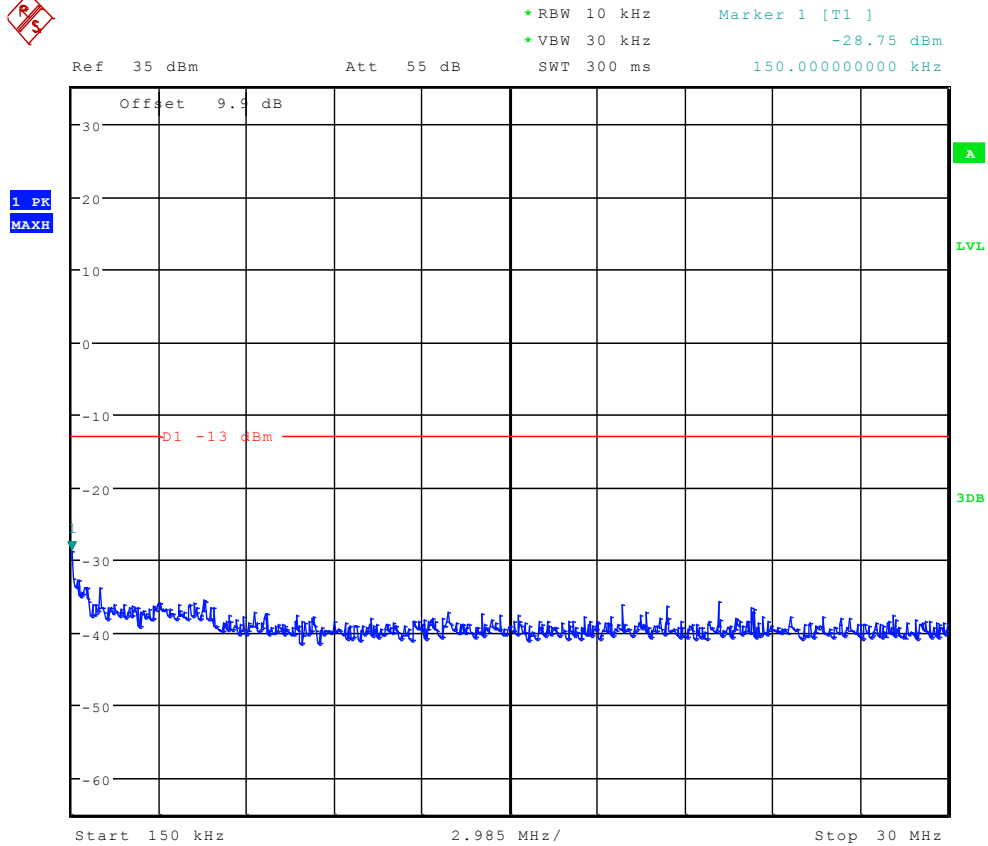


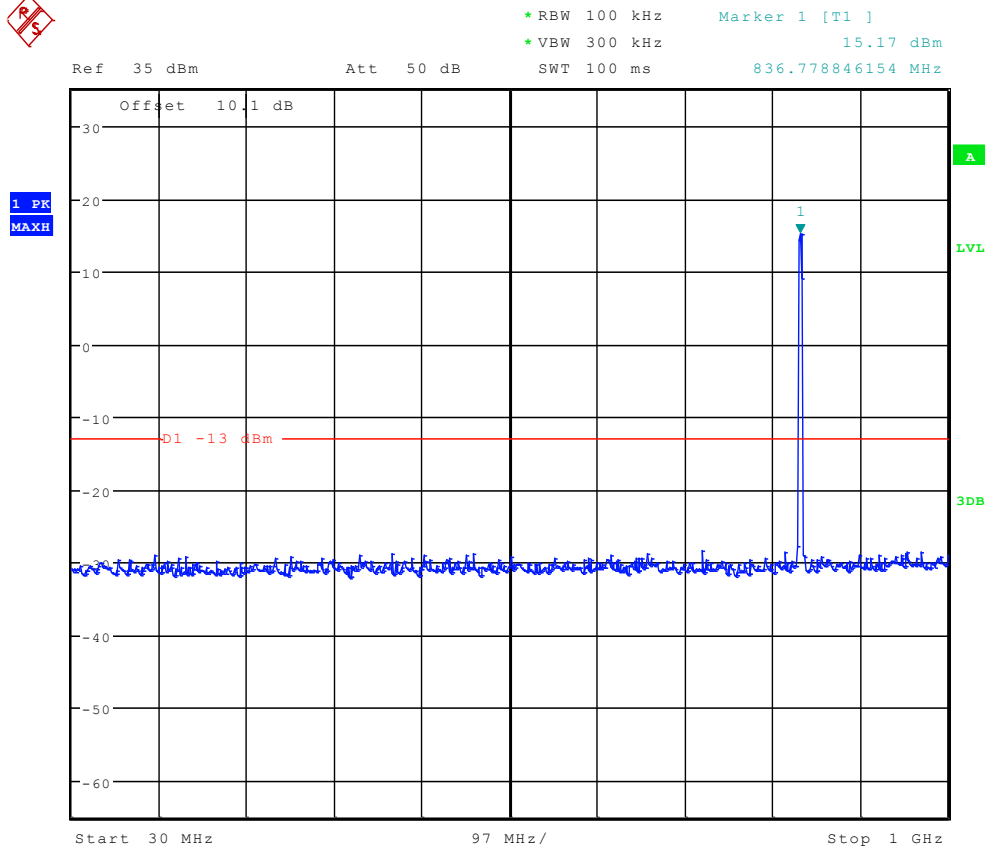


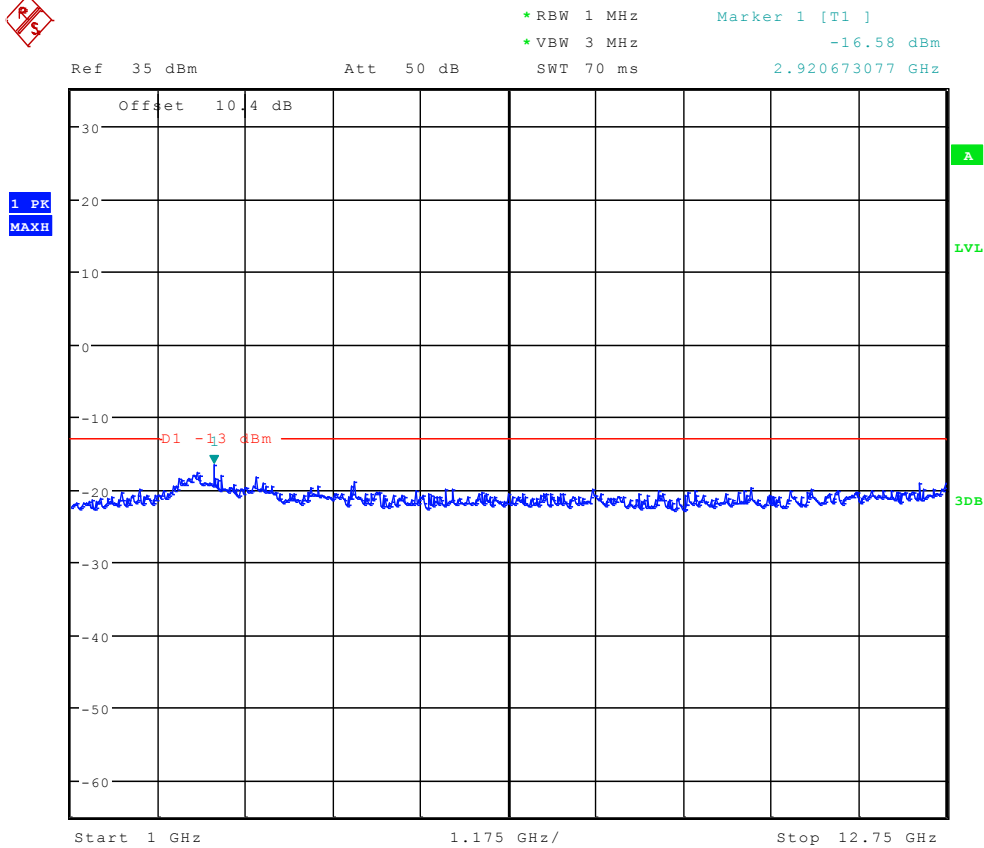


Channel 4182



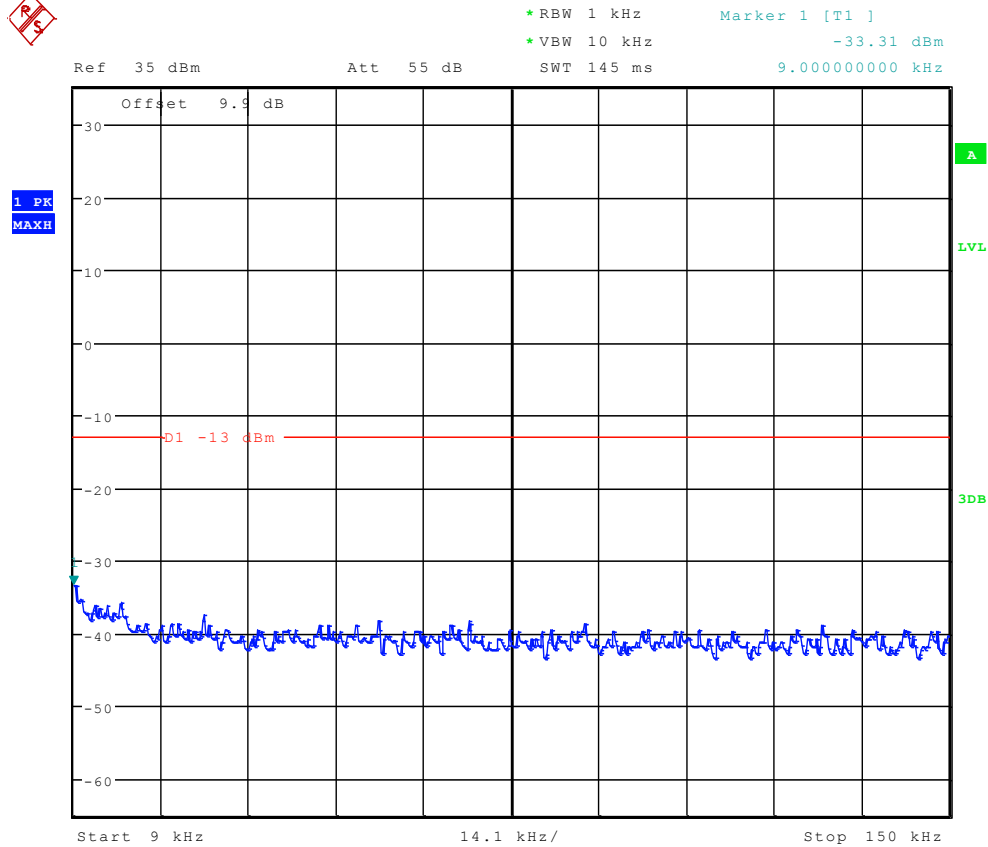


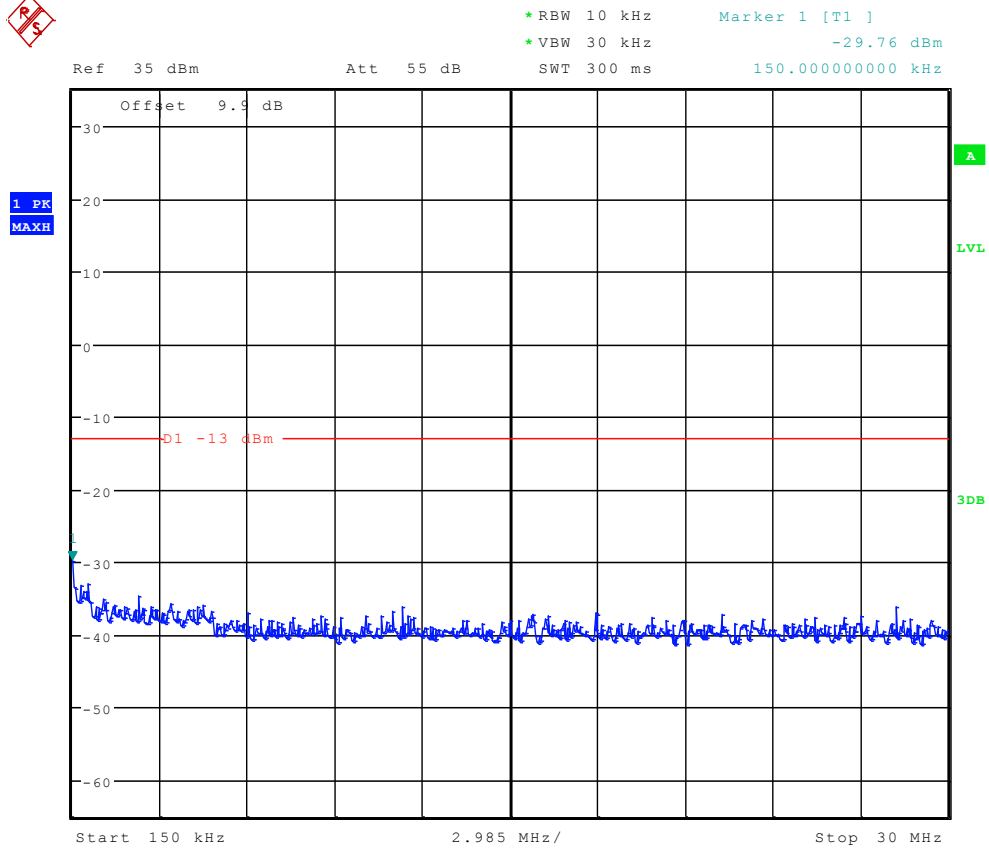


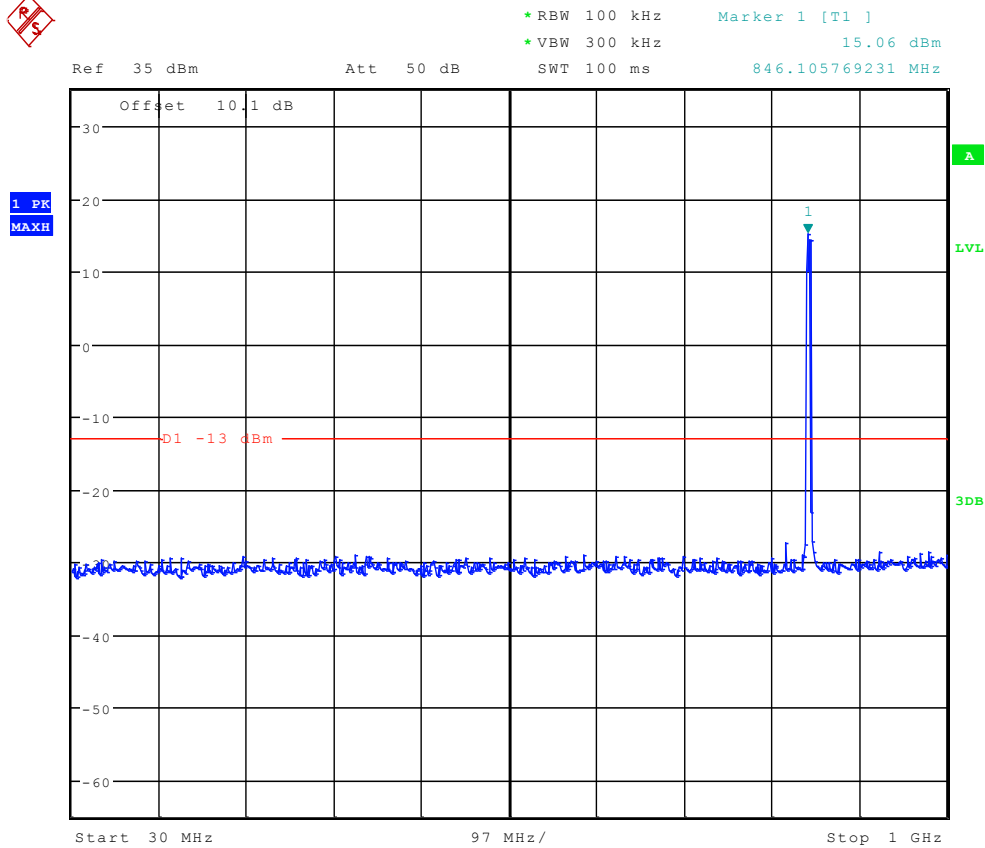


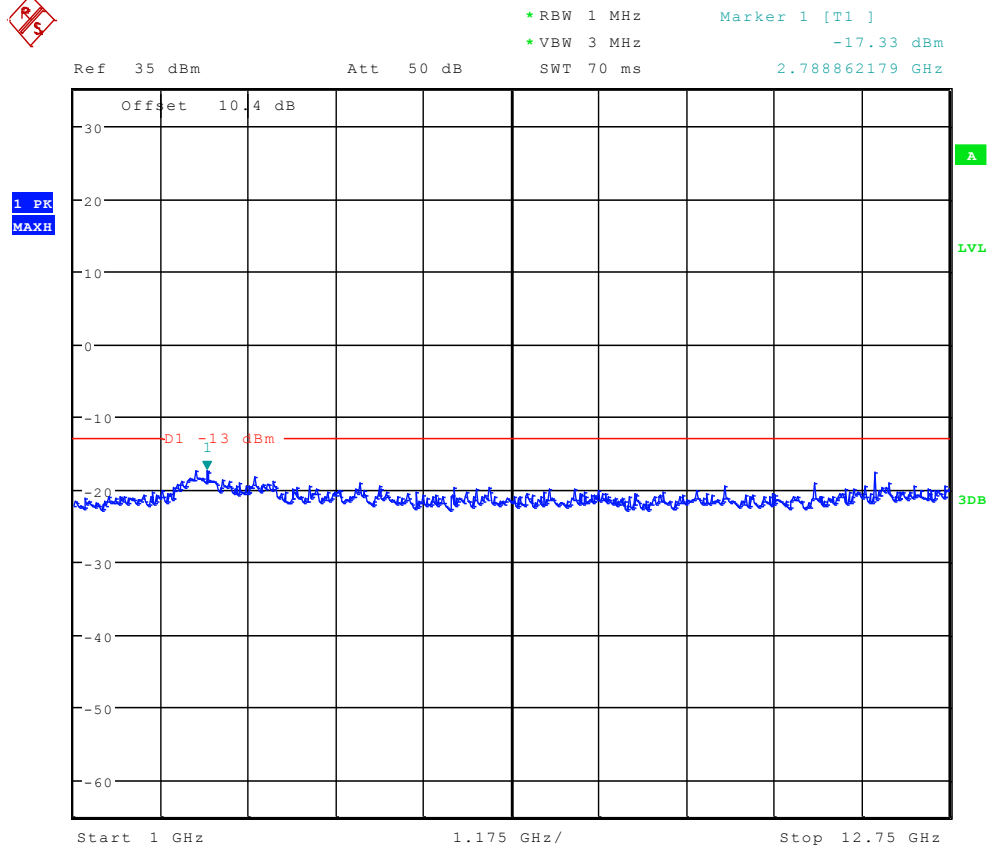


Channel 4233











Appendix E

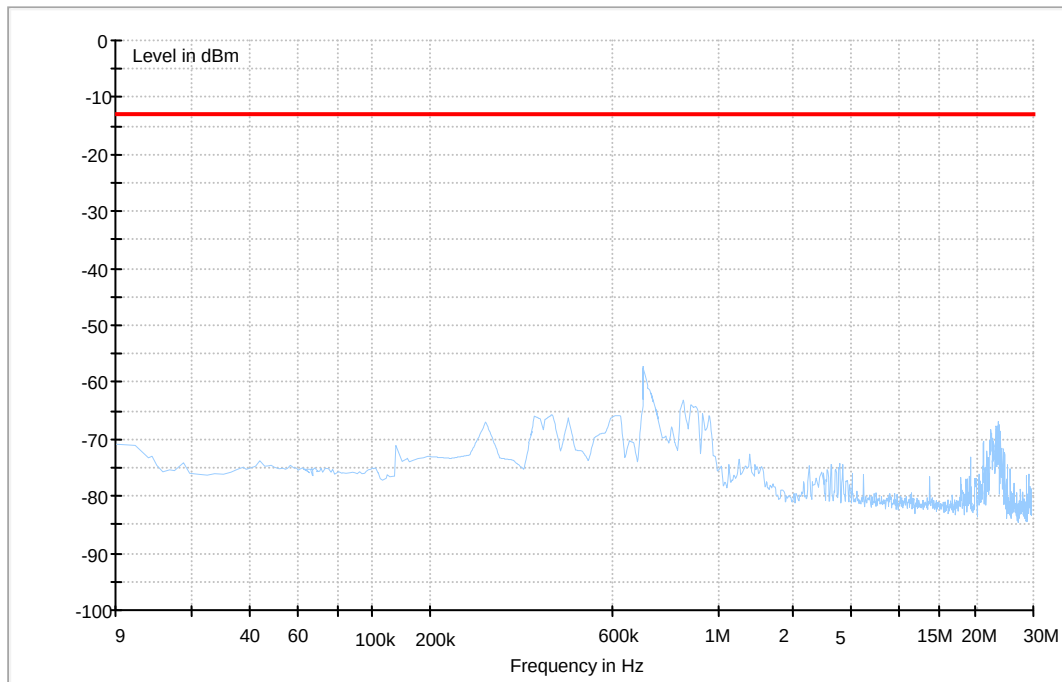
Field Strength of Spurious Emissions

According to FCC Part 2.1053 & Part 22.917
& RSS-132



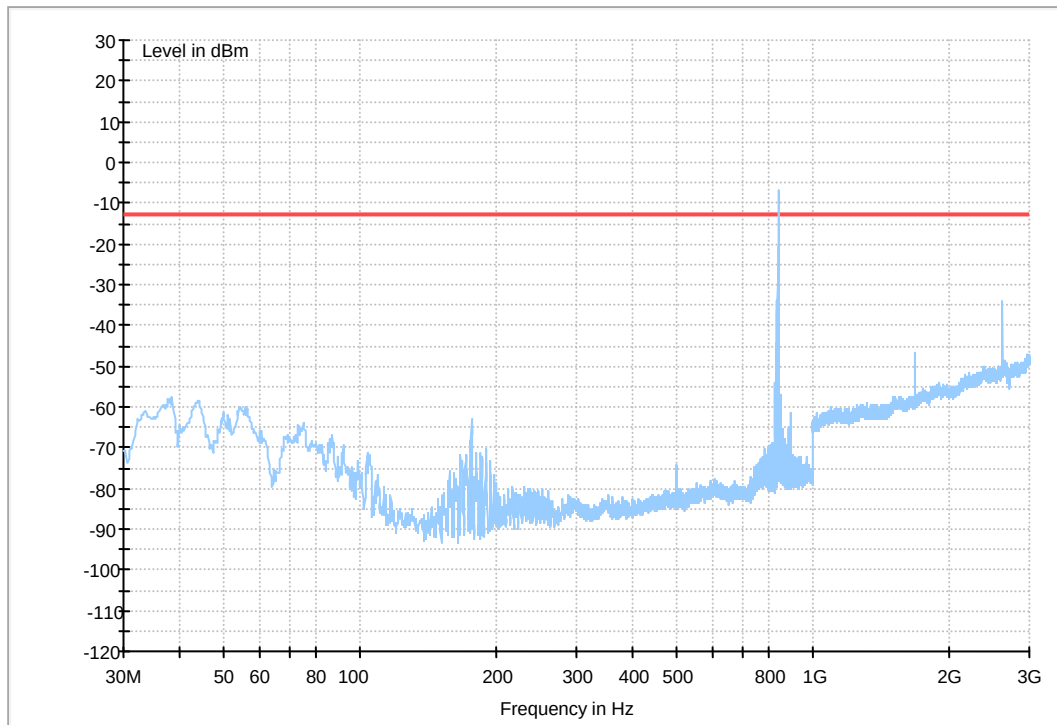
GPRS 850

Traffic Mode (9kHz-30MHz)



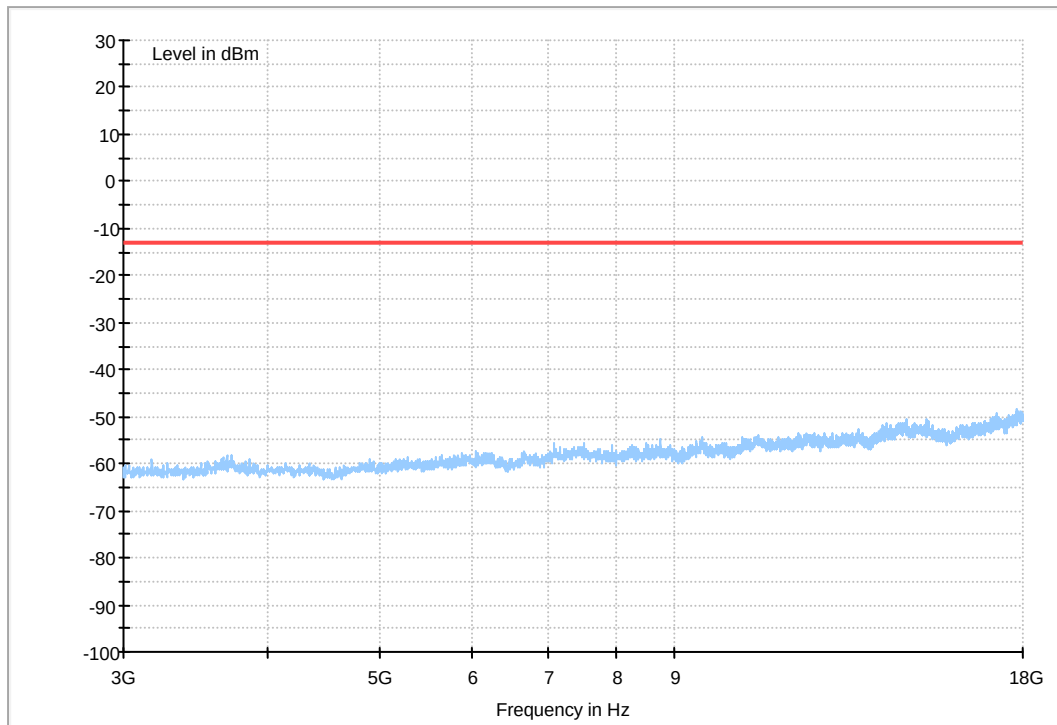


Traffic Mode (30MHz-3GHz)





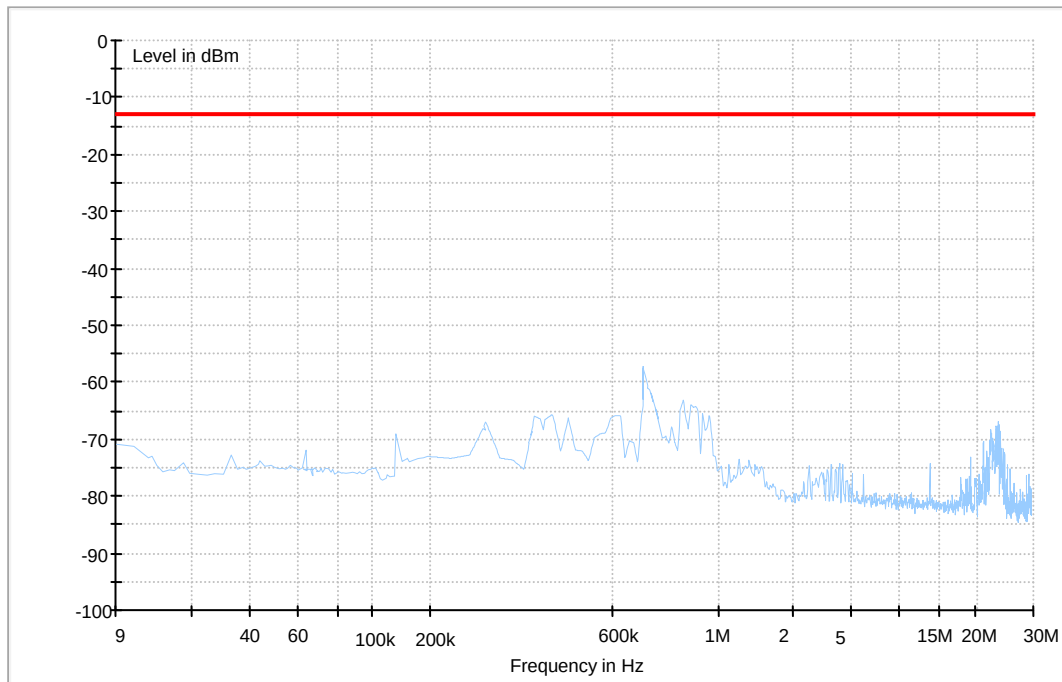
Traffic Mode (3GHz-18GHz)





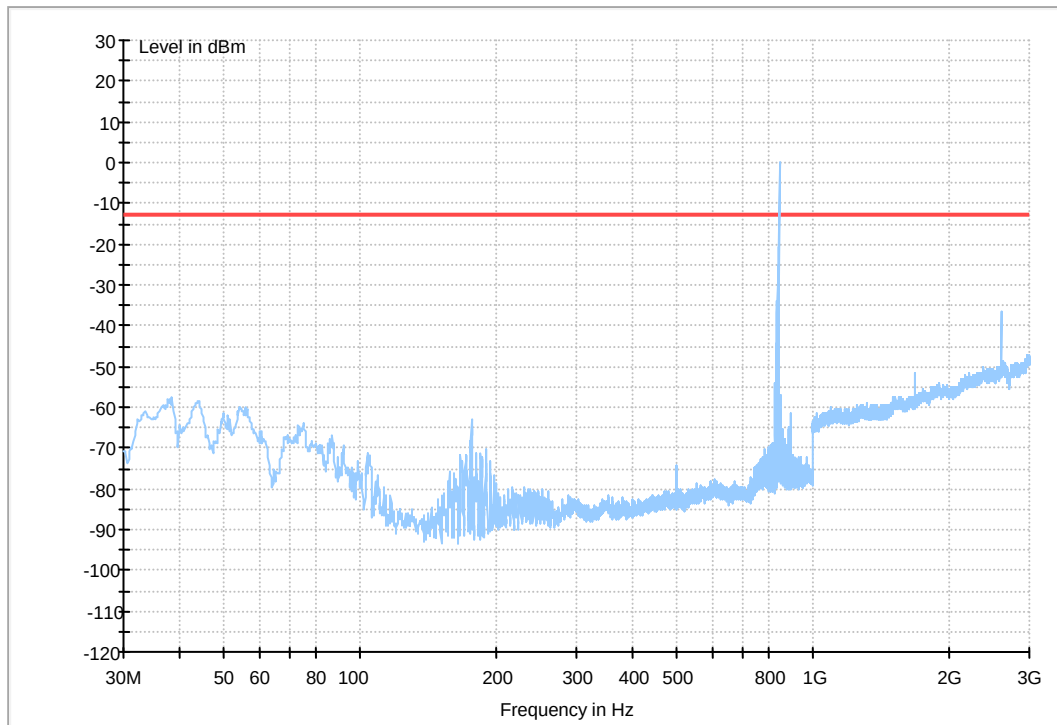
EDGE 850

Traffic Mode (9kHz-30MHz)



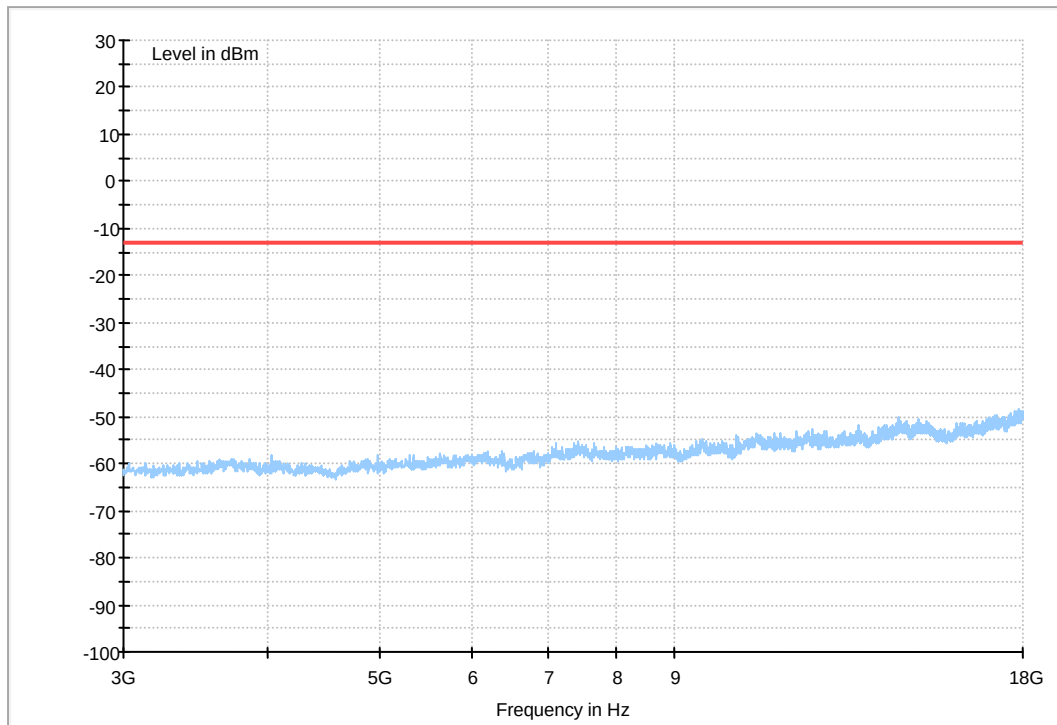


Traffic Mode (30MHz-3GHz)





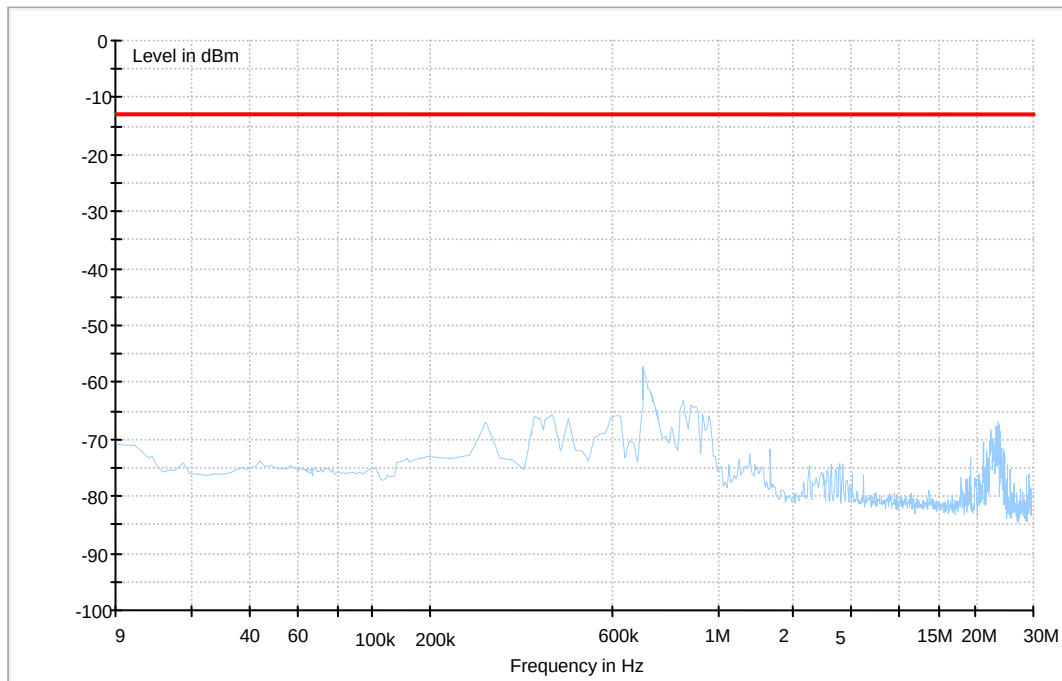
Traffic Mode (3GHz-18GHz)





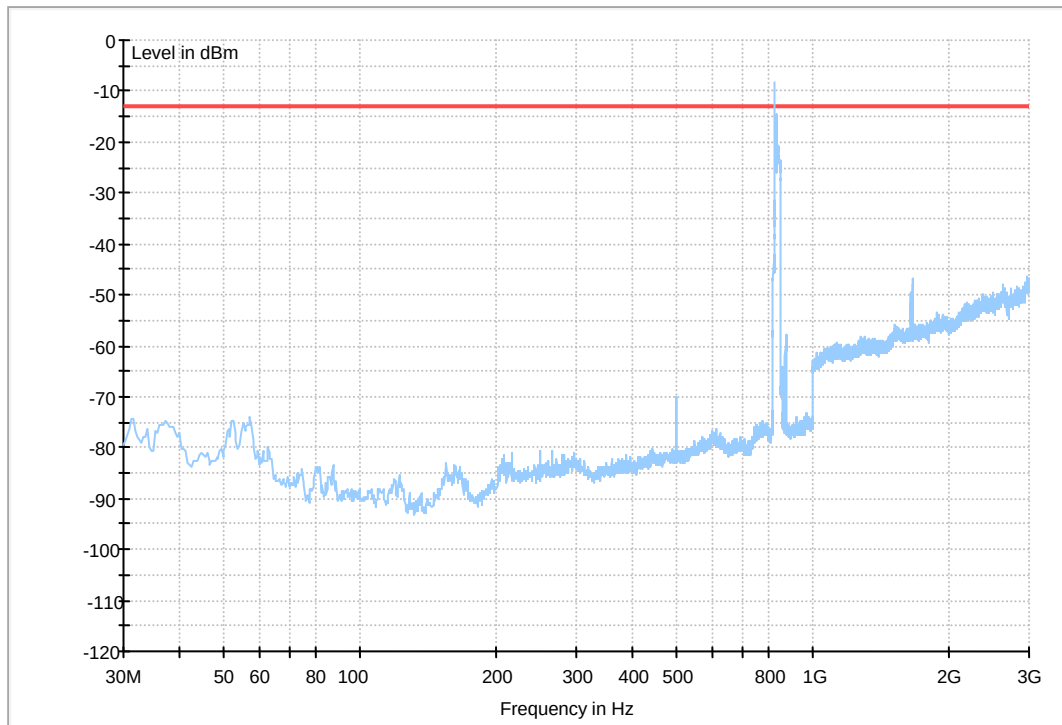
WCDMA 850

Traffic Mode (9kHz-30MHz)



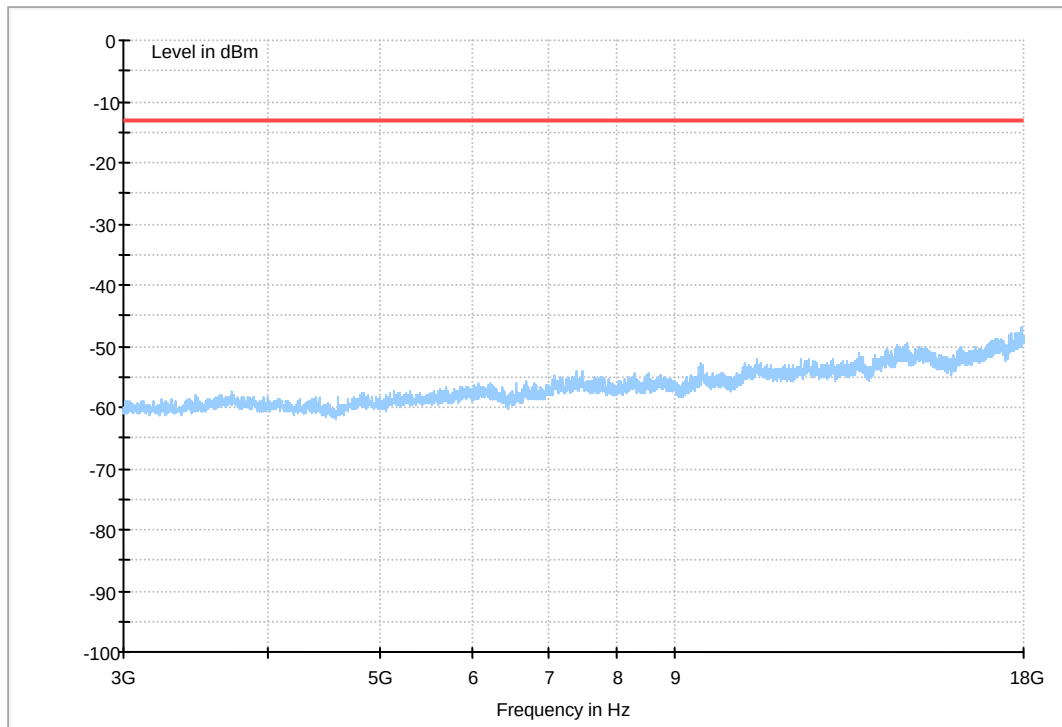


Traffic Mode (30MHz-3GHz)





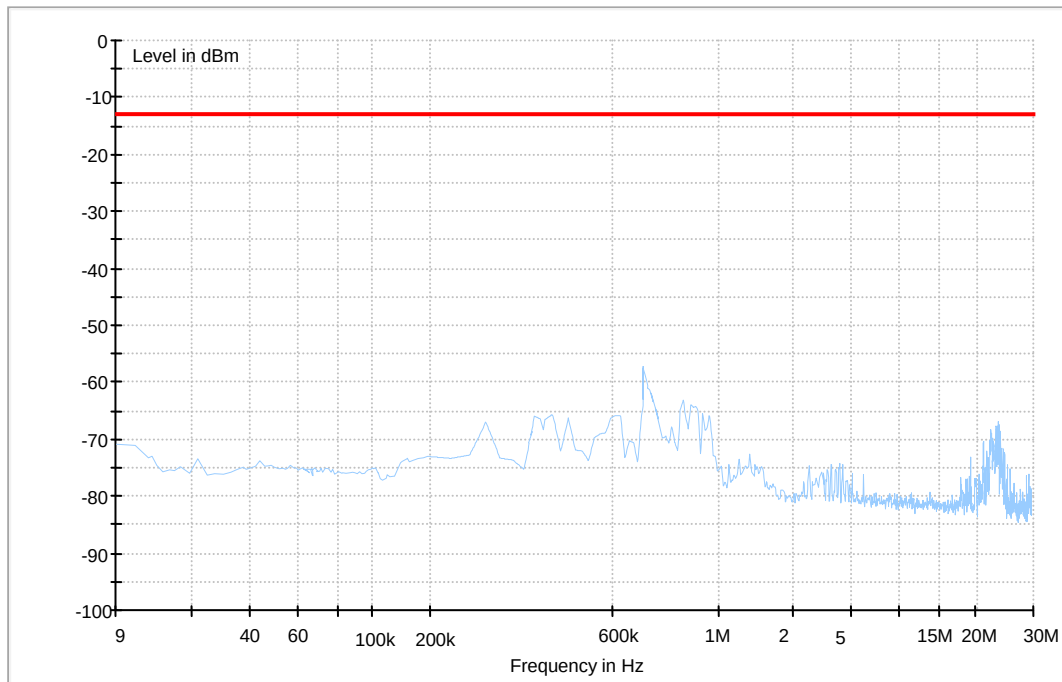
Traffic Mode (3GHz-18GHz)





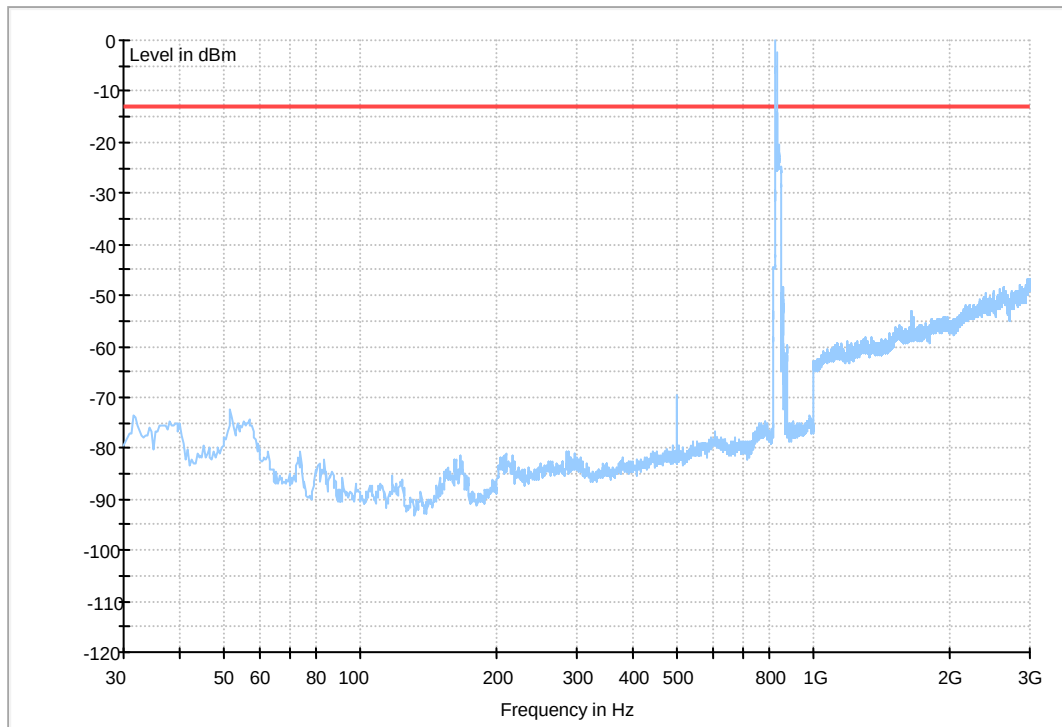
HSUPA 850

Traffic Mode (9kHz-30MHz)



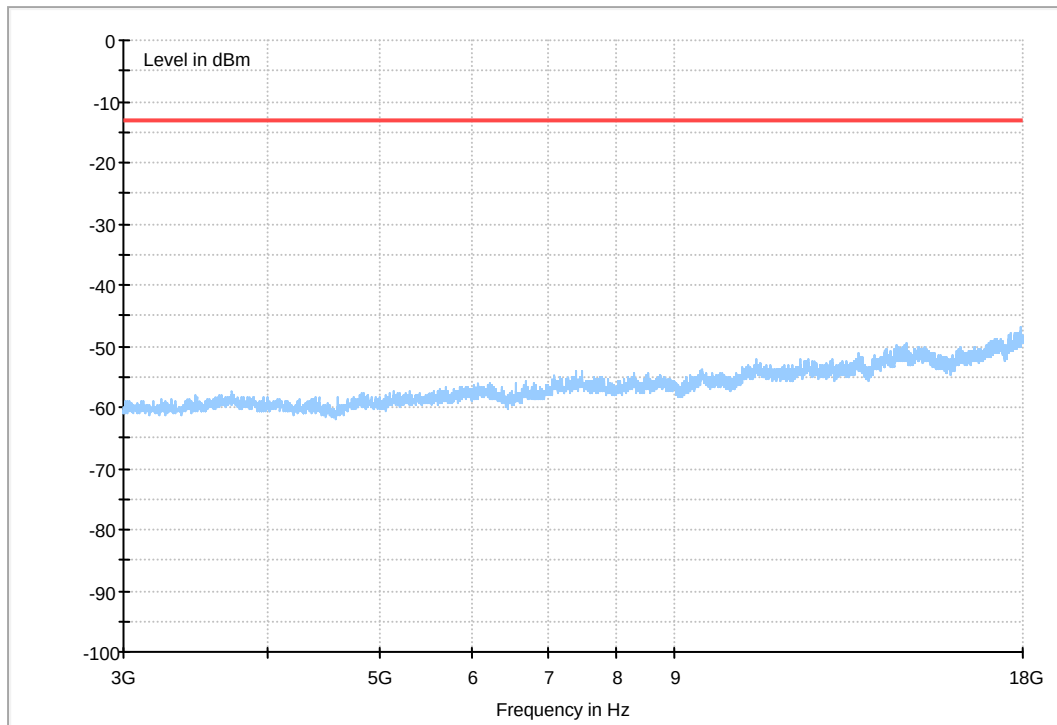


Traffic Mode (30MHz-3GHz)





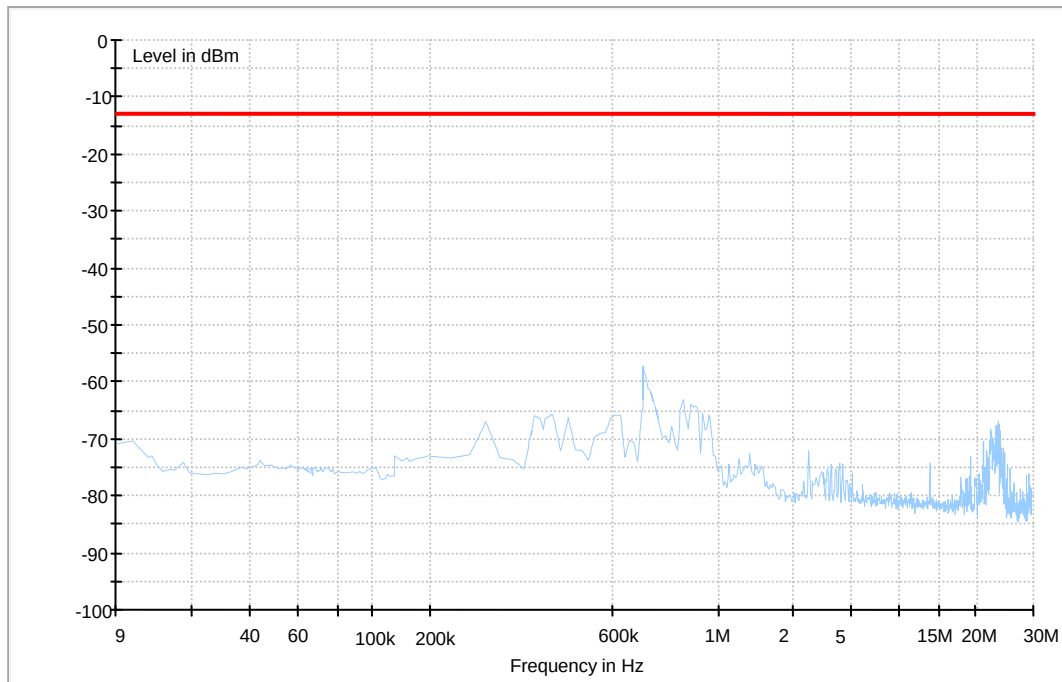
Traffic Mode (3GHz-18GHz)





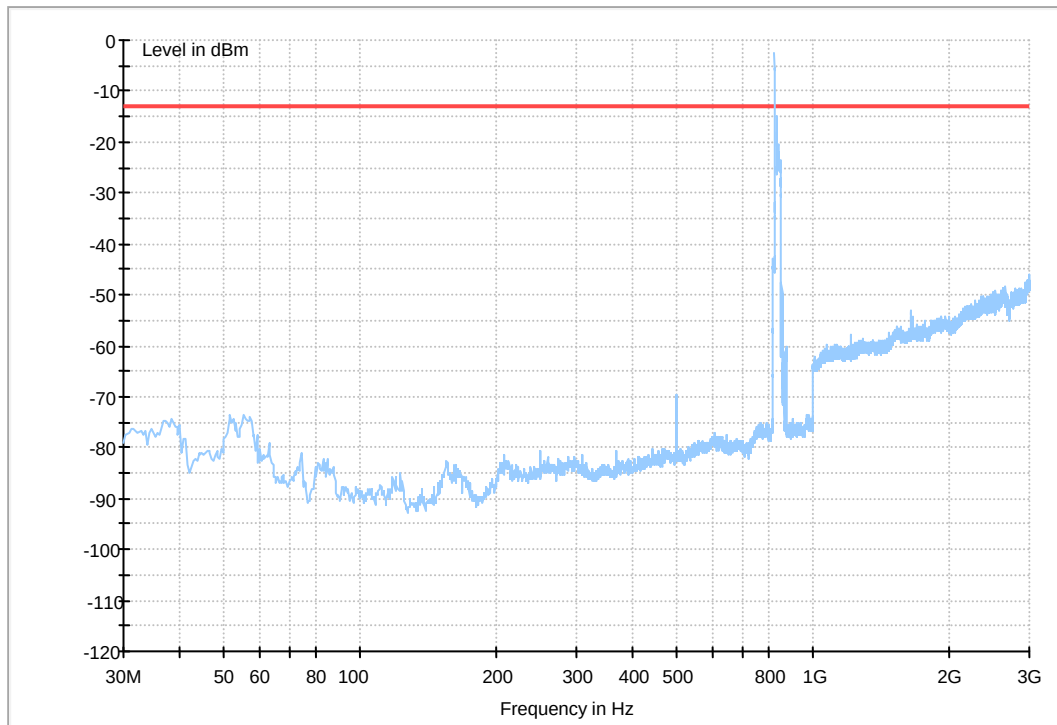
HSDPA 850

Traffic Mode (9kHz-30MHz)



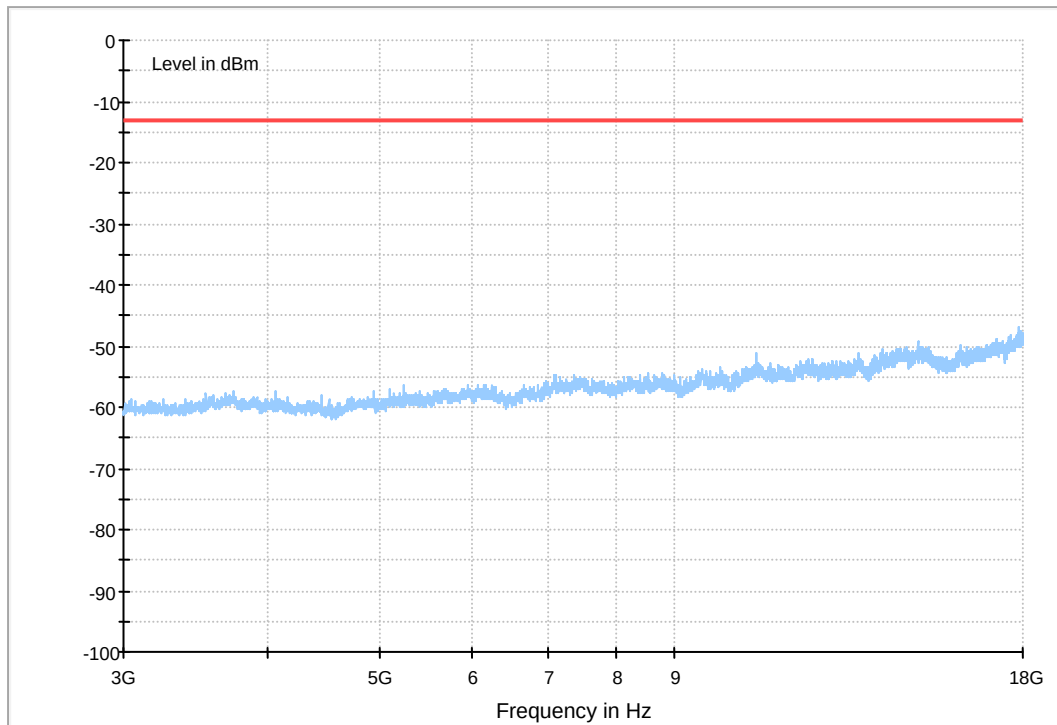


Traffic Mode (30MHz-3GHz)





Traffic Mode (3GHz-18GHz)





Appendix F

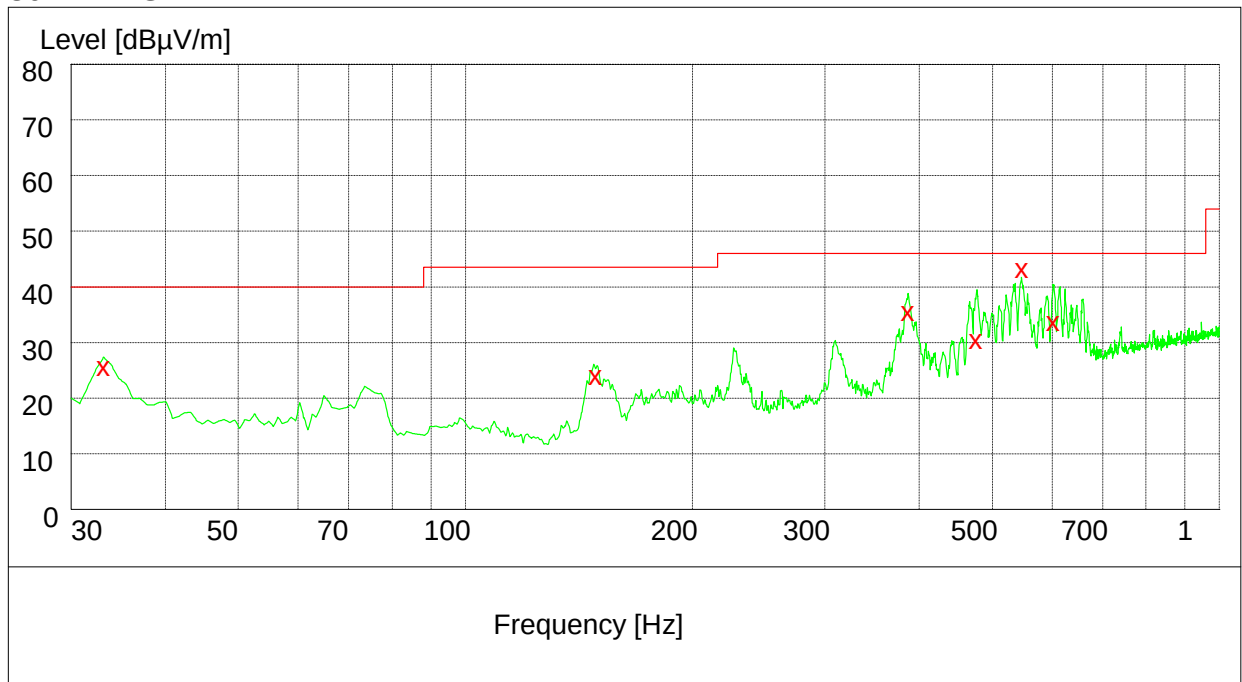
Receiver Spurious Emissions

According to RSS-132



This test was carried out in all the test modes, Here only the worst test result was shown.

30MHz-1GHz

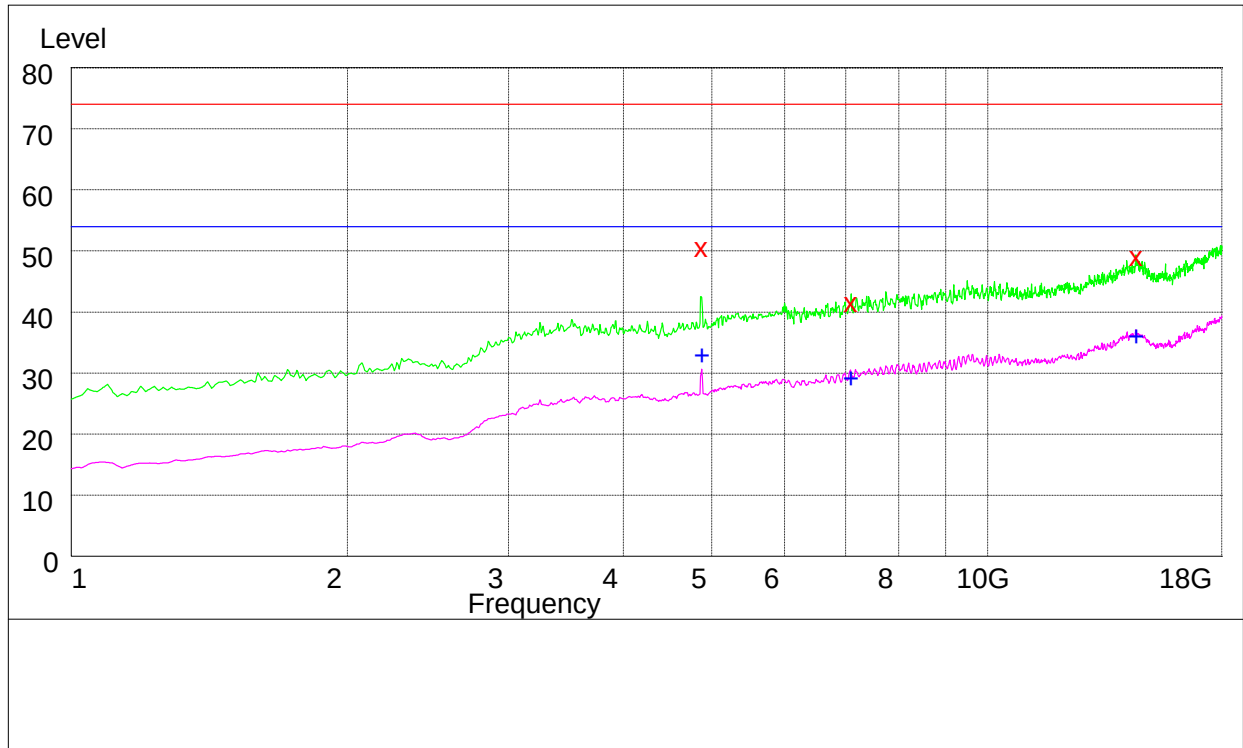


MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/ m	Margin dB	Height cm	Azimuth deg	Polarisation
33.600000	26.50	11.8	40.0	13.5	100.0	56.00	HORIZONTAL
158.300000	23.10	9.7	43.5	20.4	100.0	120.00	HORIZONTAL
386.760000	36.10	17.8	46.0	9.9	100.0	324.00	HORIZONTAL
476.700000	30.80	19.5	46.0	15.2	100.0	282.00	HORIZONTAL
547.620000	42.70	21.3	46.0	3.3	100.0	125.00	HORIZONTAL
602.280000	34.30	22.5	46.0	11.7	100.0	226.00	HORIZONTAL



1GHz-18GHz



MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
4876.500000	50.50	-3.5	74.0	23.5	161.0	206.00	HORIZONTAL
7094.000000	41.90	1.3	74.0	32.1	165.0	316.00	HORIZONTAL
14524.00000	49.40	14.9	74.0	24.6	100.0	291.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
4872.500000	33.20	-3.3	54.0	20.8	100.0	33.00	VERTICAL
7086.000000	29.40	1.5	54.0	24.6	102.0	48.00	HORIZONTAL
14519.00000	36.40	14.9	54.0	17.6	100.0	186.00	VERTICAL



Appendix G

Photos of Test Setup

Field Strength of Spurious Emissions



Radiated Spurious Emission (below 3GHz)



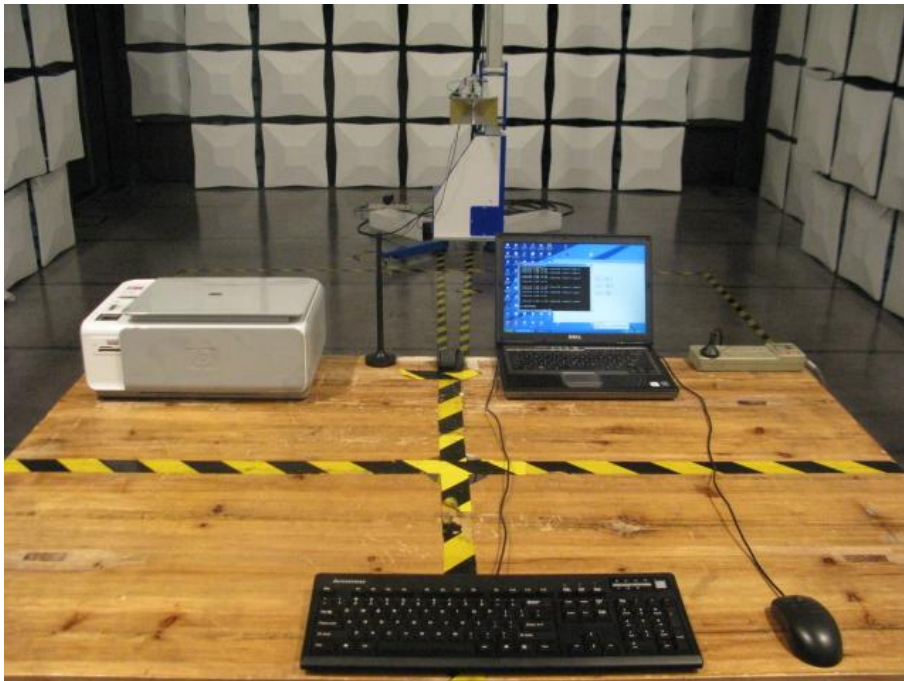
Radiated Spurious Emission (3GHz to18GHz)



Receiver Spurious Emissions



Radiated Disturbance Emissions (30MHz-1GHz)



Radiated Disturbance Emissions (above 1GHz)