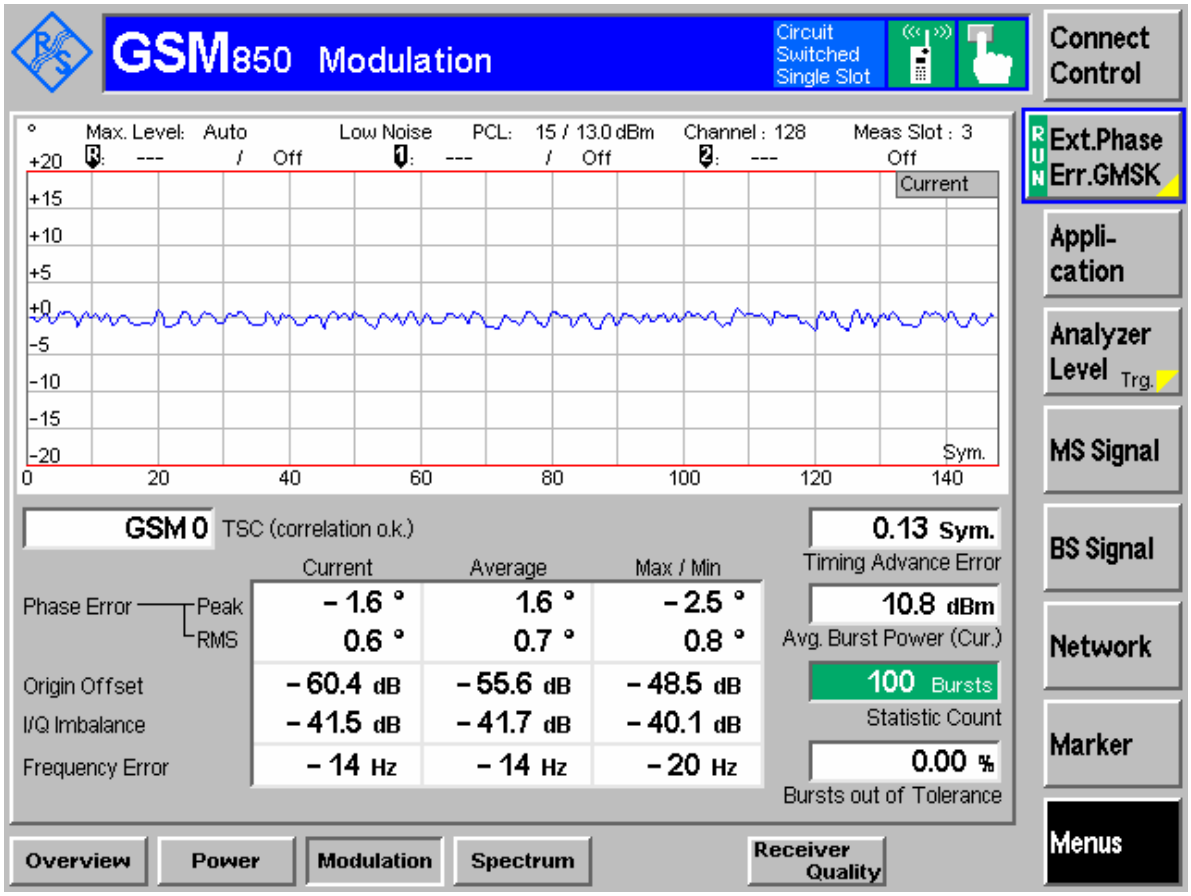
Appendix A

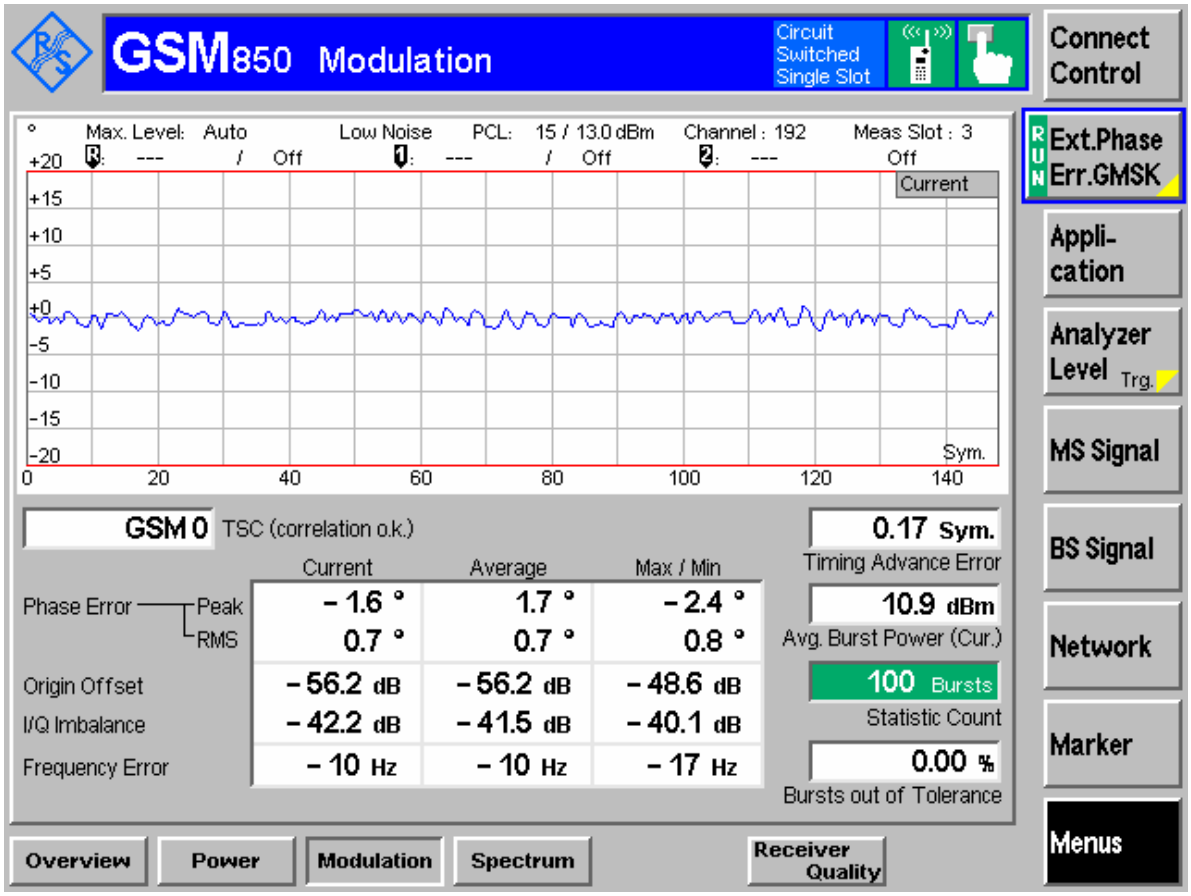
Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

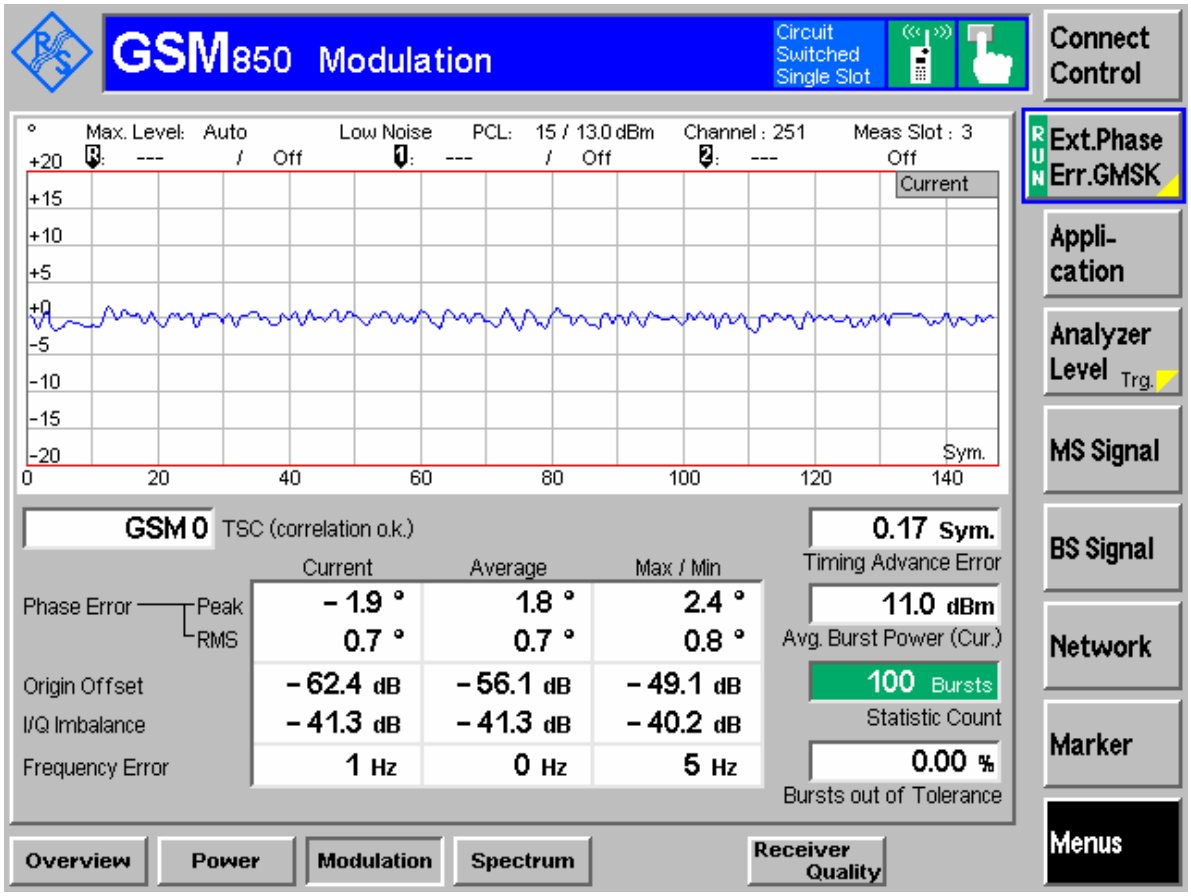
Channel 128（TM1:GPRS/GSM）



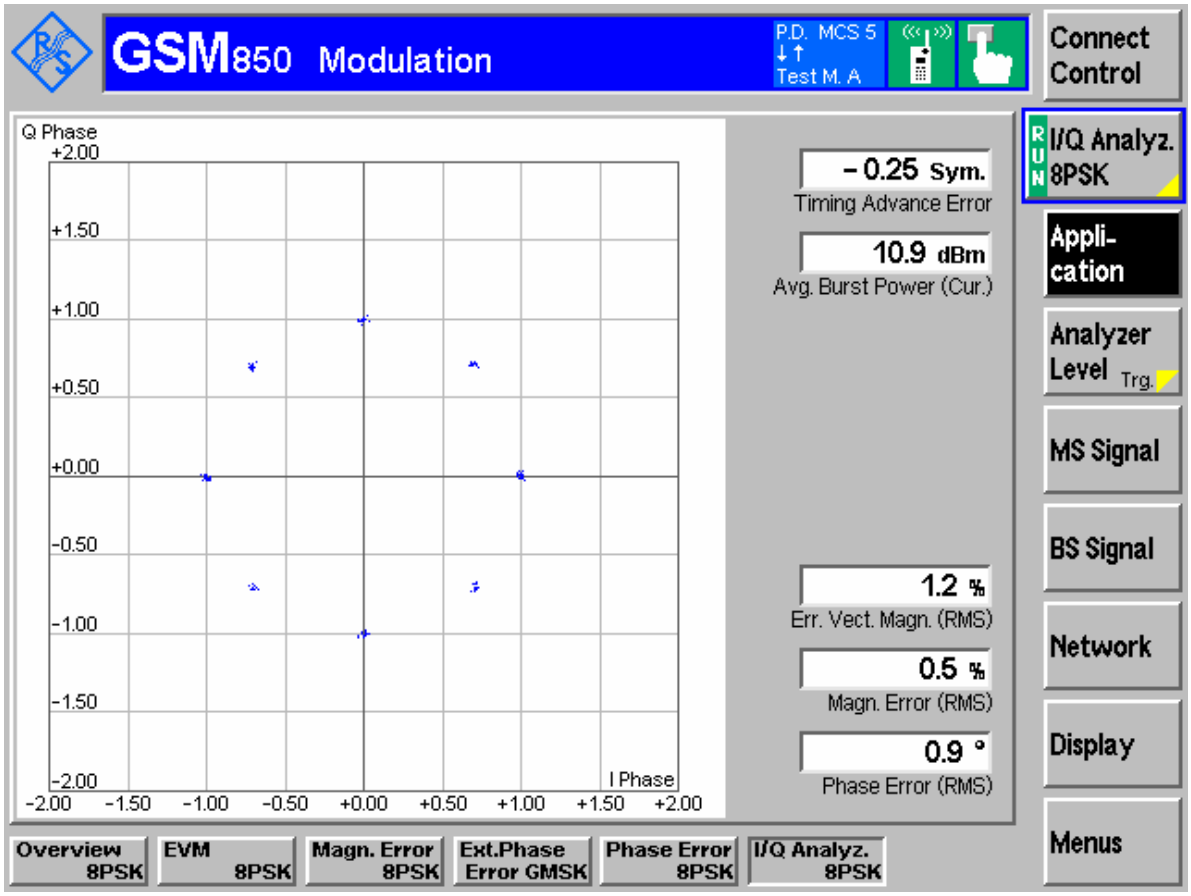
Channel 192（TM1:GPRS/GSM）



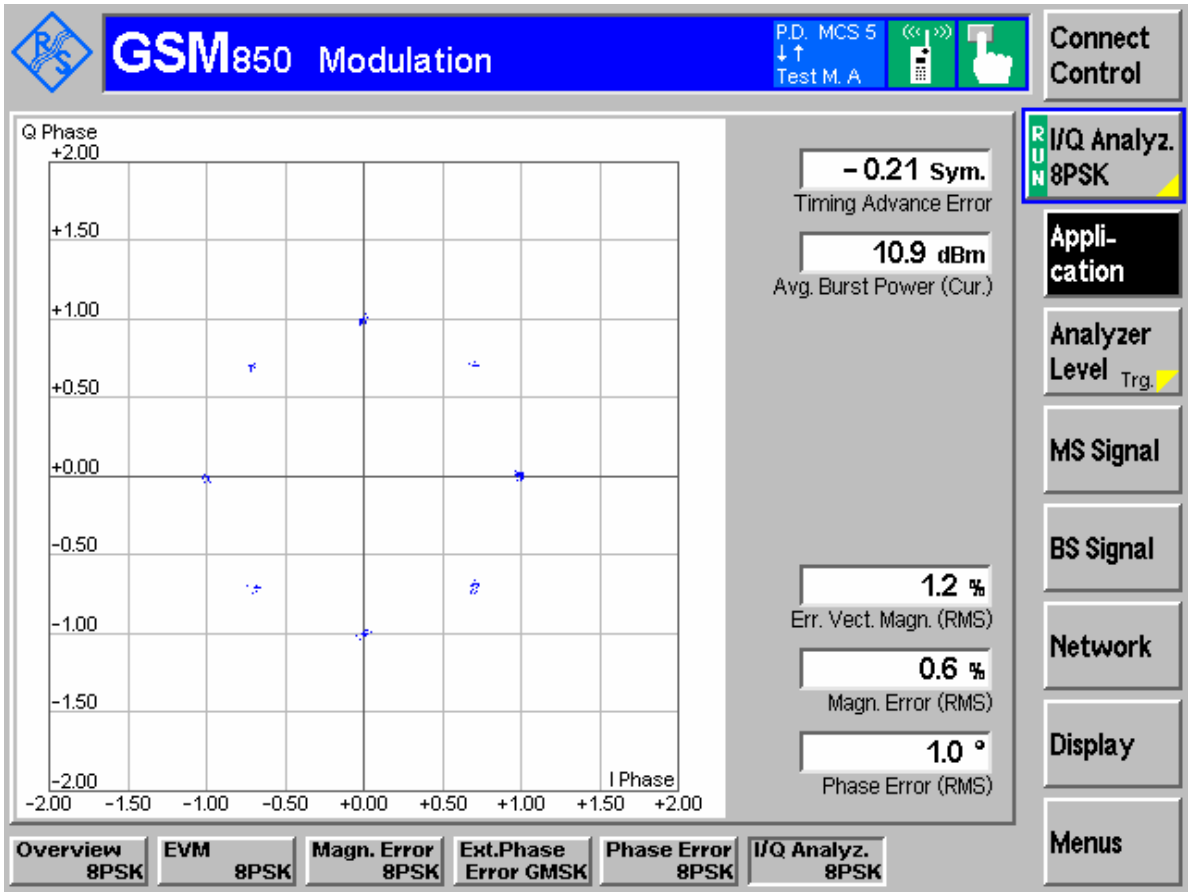
Channel 251（TM1:GPRS/GSM）



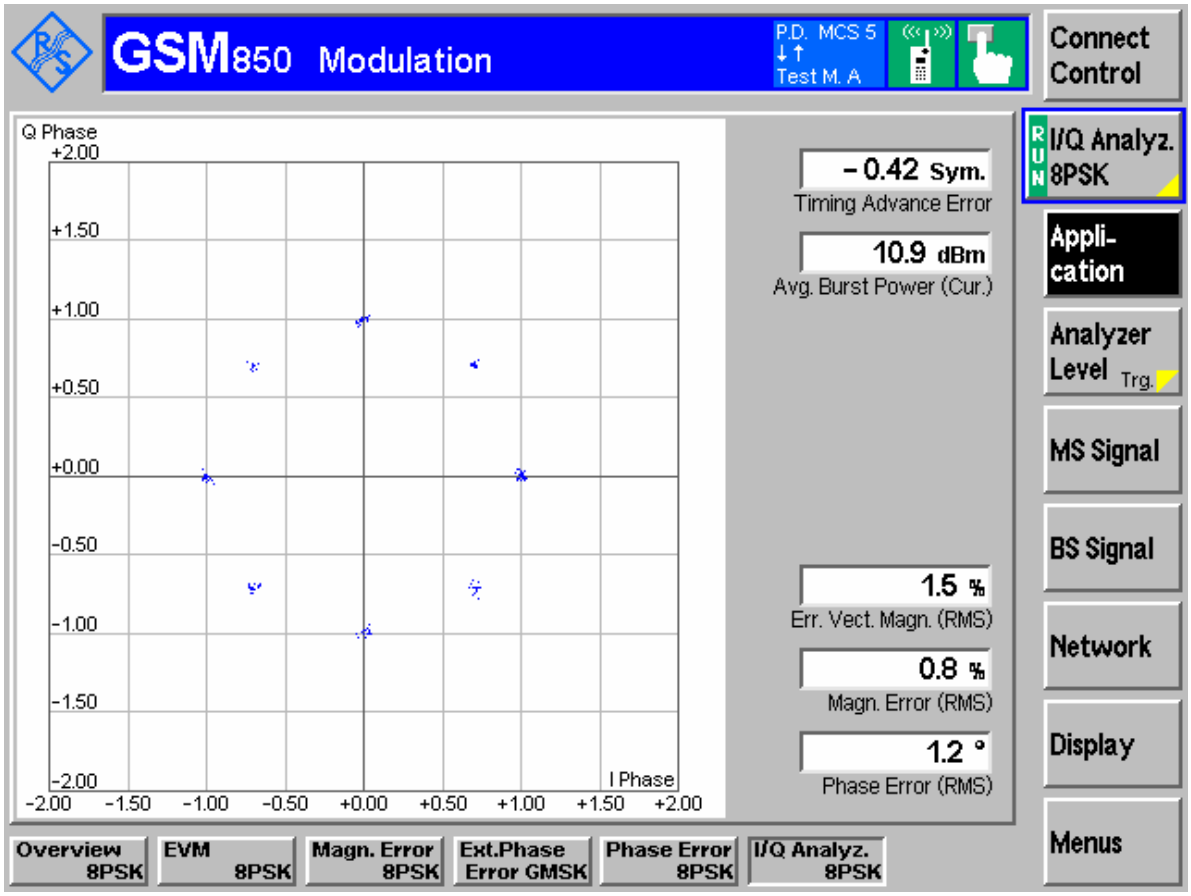
Channel 128（TM2:EDGE）



Channel 192（TM2:EDGE）



Channel 251（TM2:EDGE）

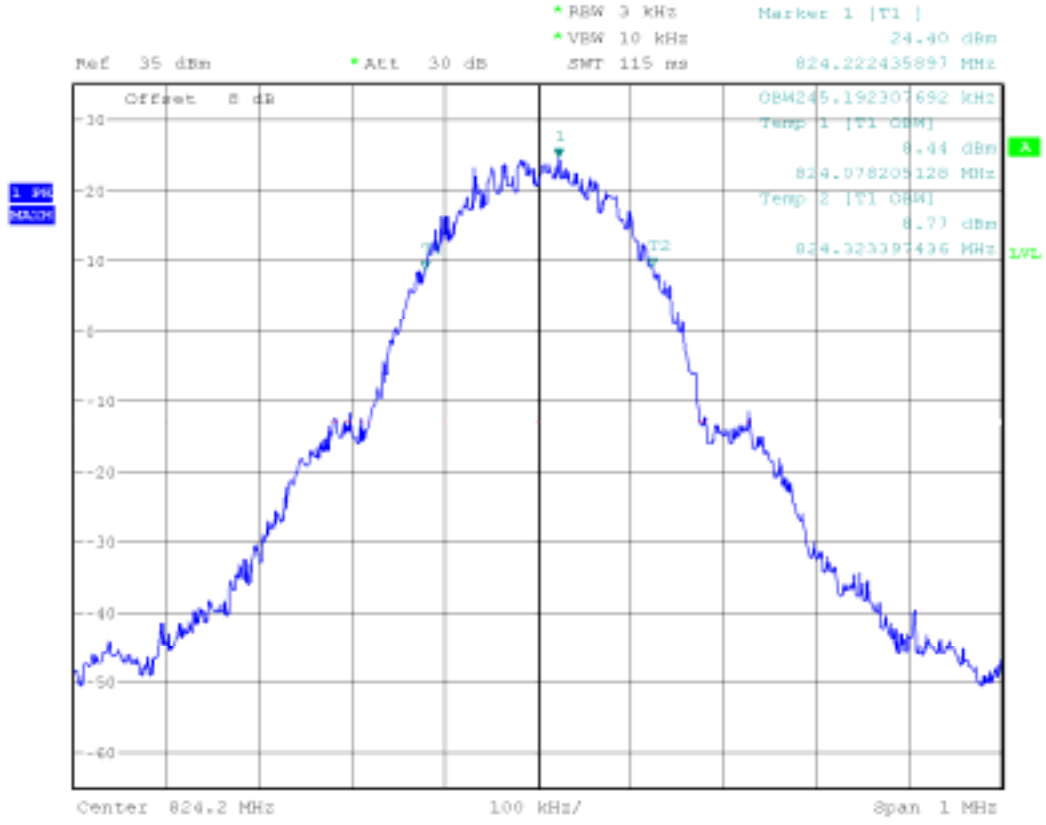


Appendix B

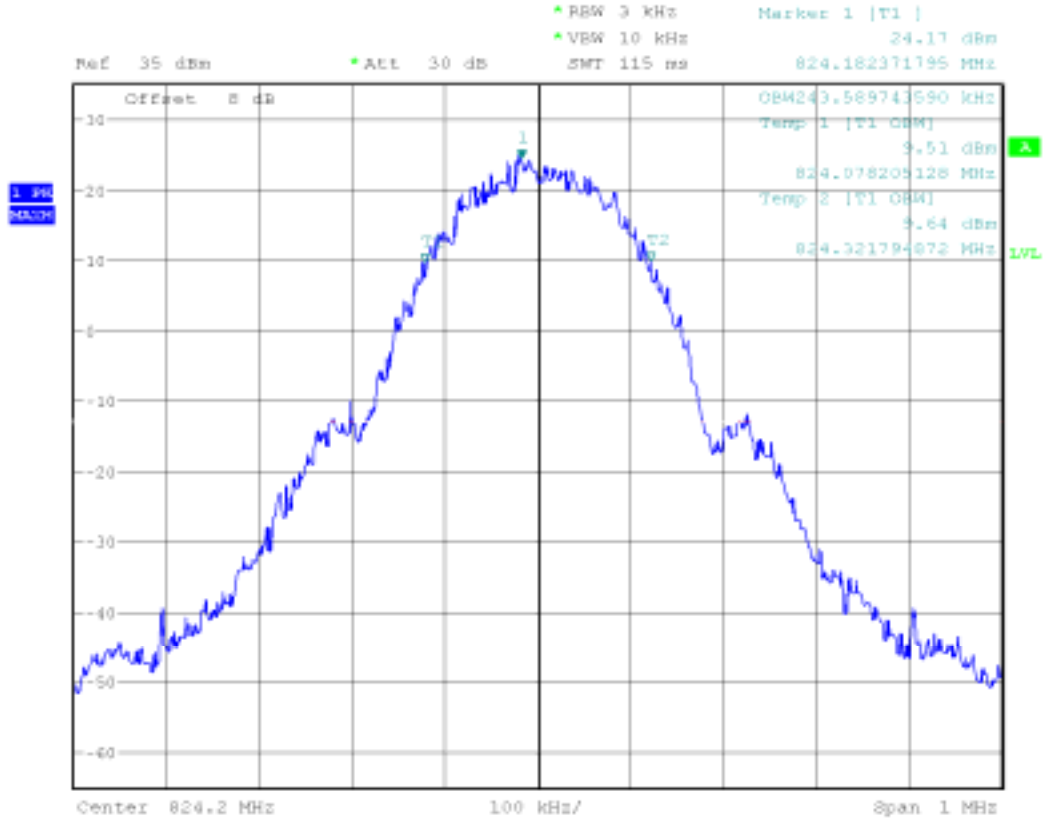
Occupied Bandwidth

According to FCC Part 2.1049 & Part 22 Subpart H

Channel 128（TM1:GPRS/GSM）

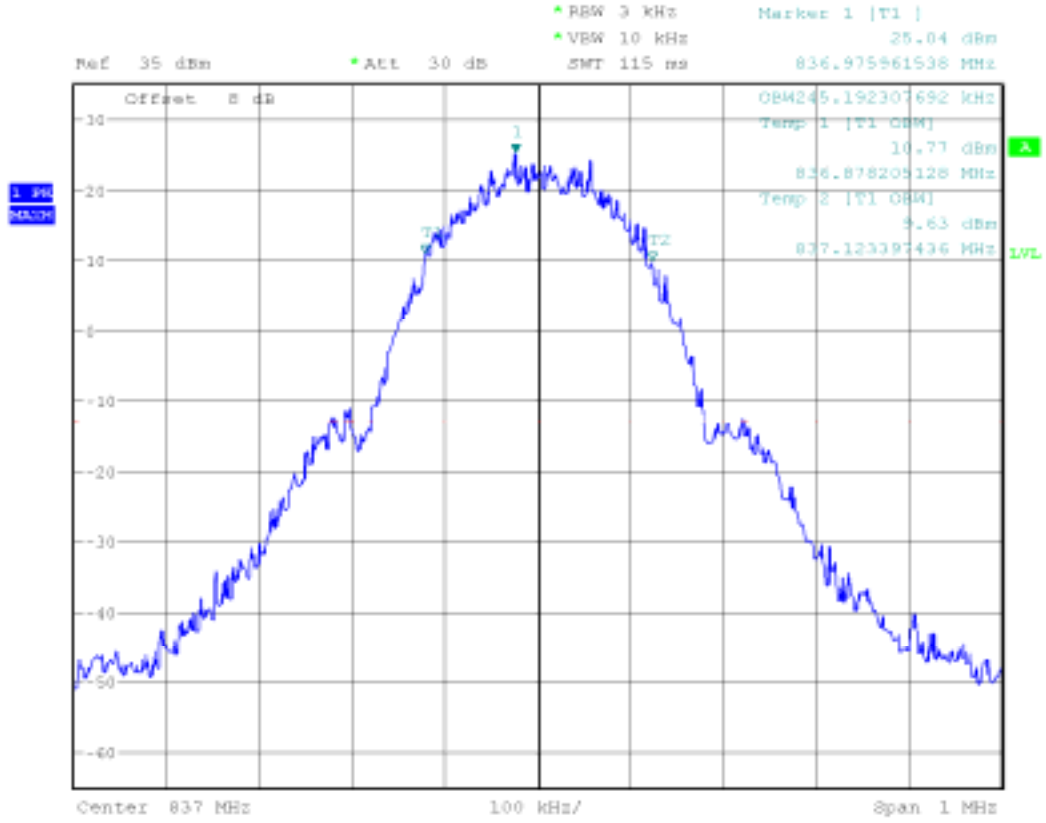


Channel 128（TM2:EDGE）



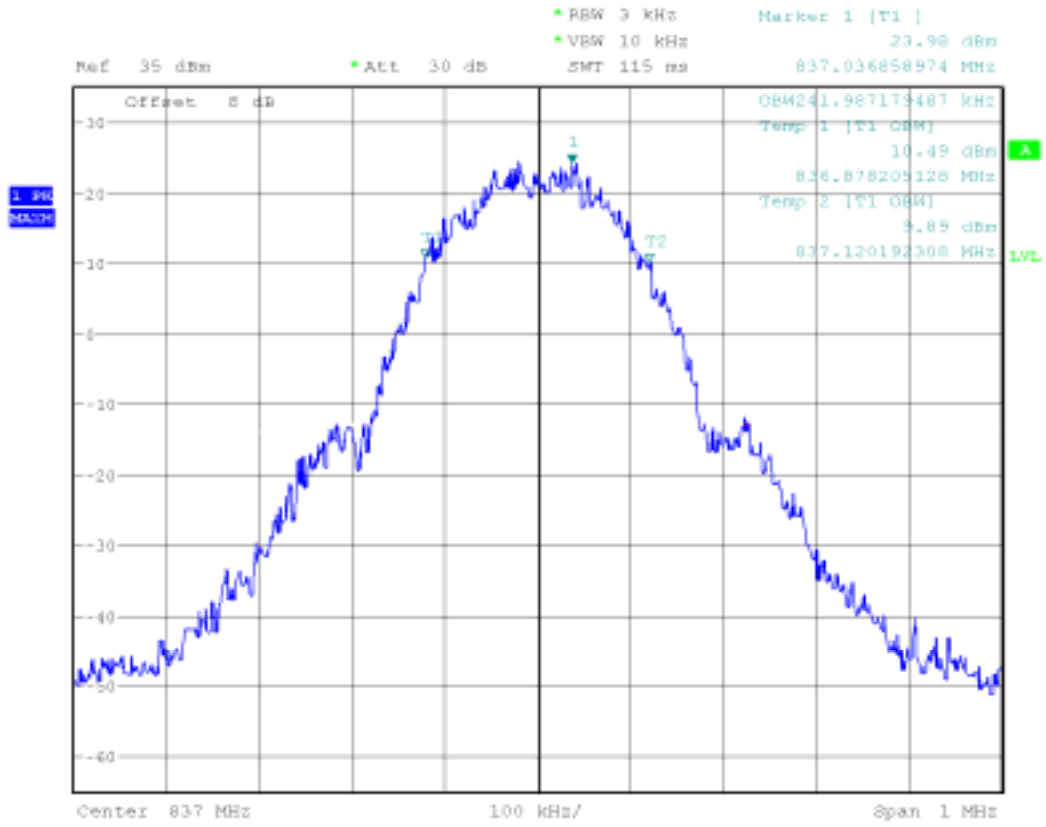
Date: 20.JUL.2007 21:33:38

Channel 192（TM1:GPRS/GSM）



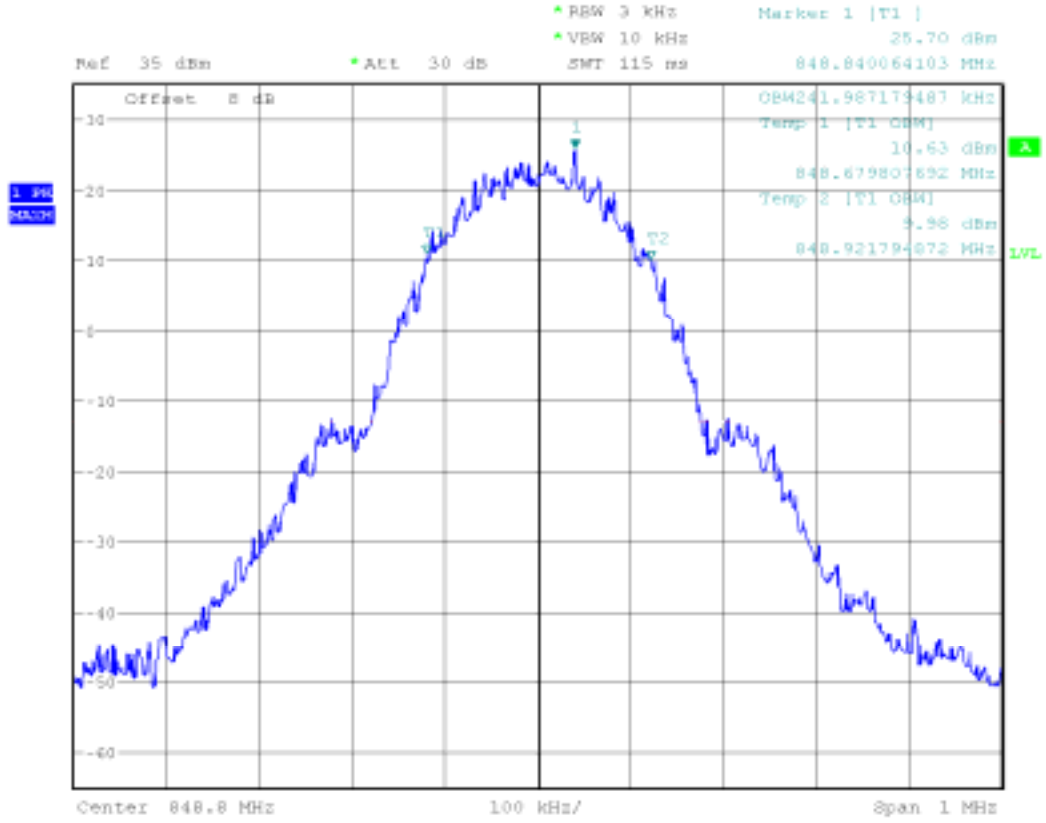
Date: 20.JUL.2007 21:30:19

Channel 192（TM2:EDGE）



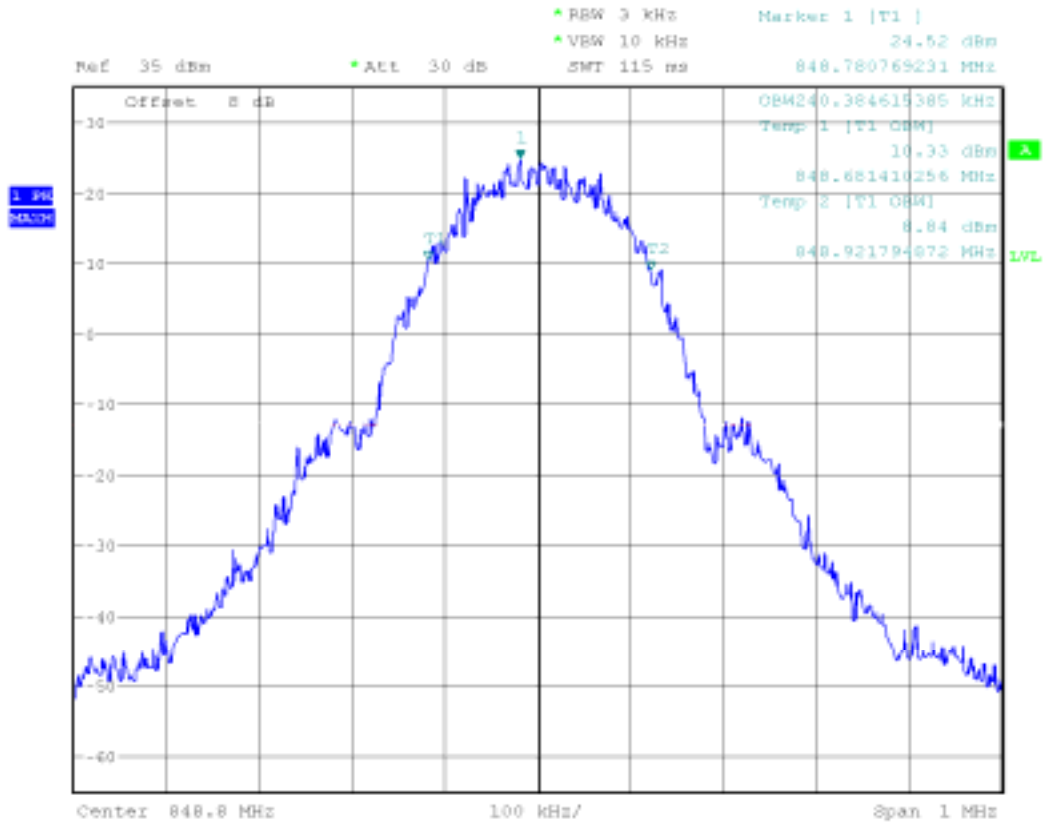
Date: 20.JUL.2007 21:34:13

Channel 251（TM1:GPRS/GSM）



Date: 20.JUL.2007 21:34:50

Channel 251（TM2:EDGE）



Appendix C

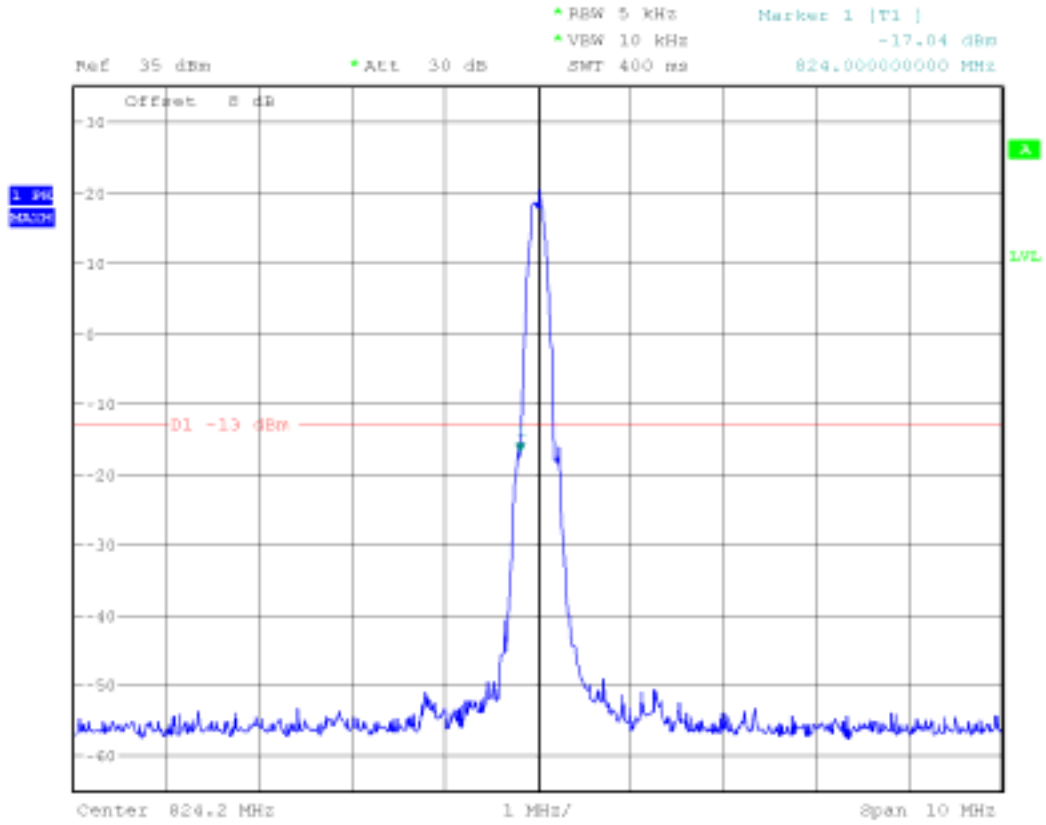
Band Edges Compliance

According to FCC Part 2.1051 & 22.917

TM1:GPRS/GSM

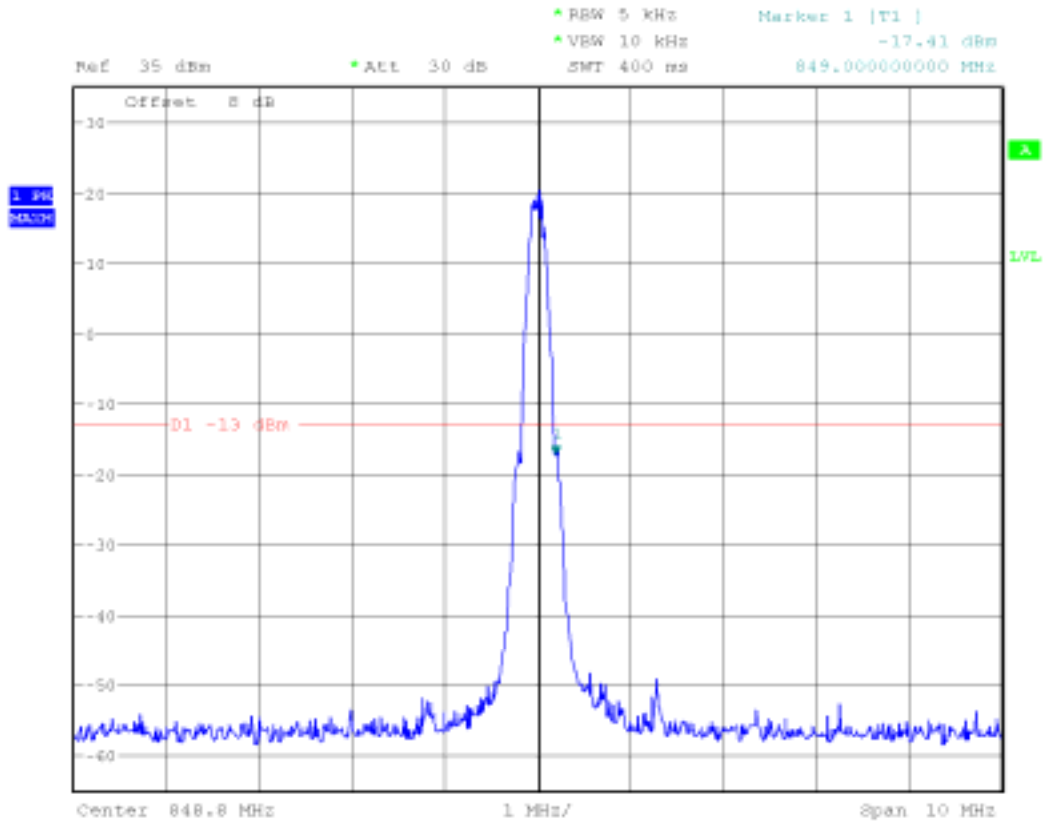
Left Edge

Channel 128



Date: 20.JUL.2007 21:38:26

Right Edge
Channel 251

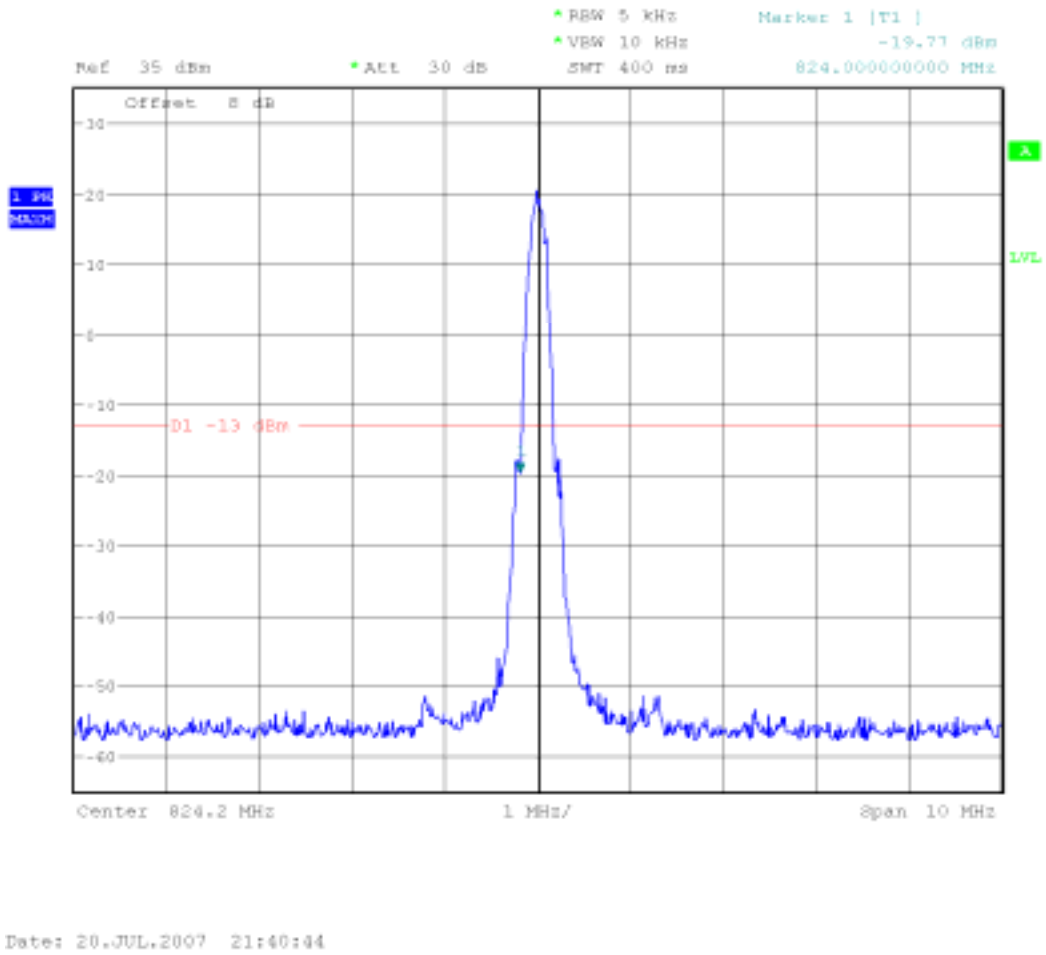


Date: 20.JUL.2007 21:39:23

TM2:EDGE

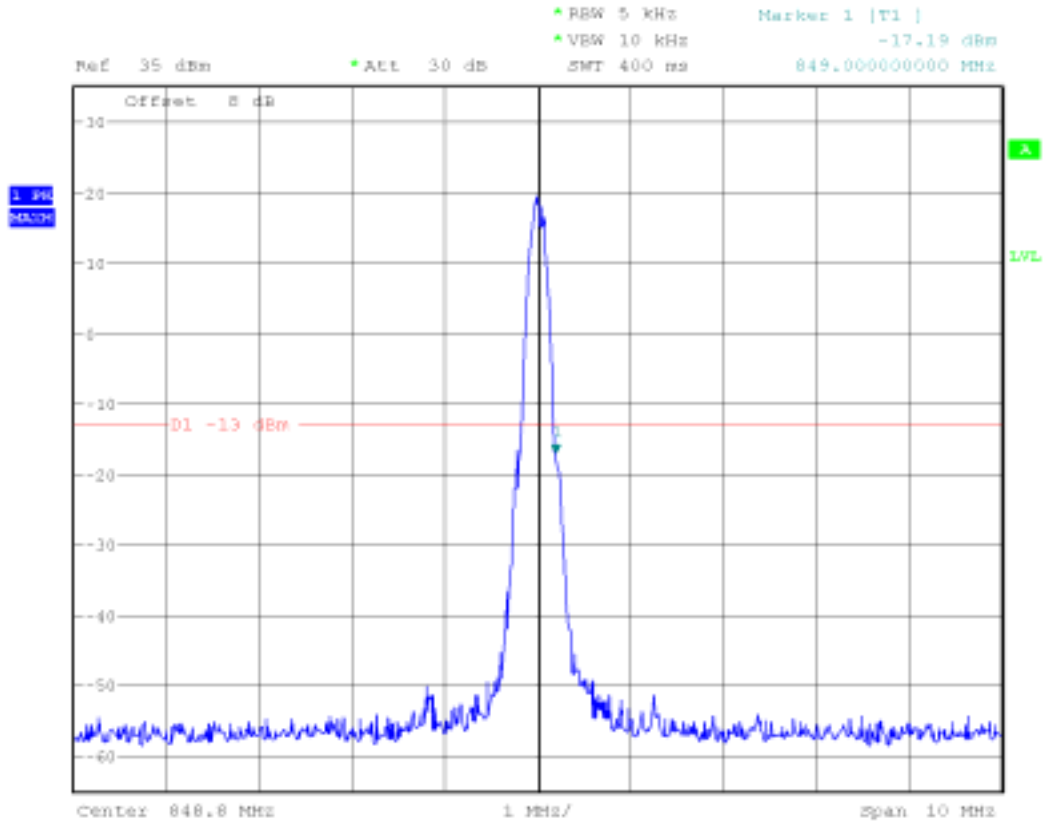
Left Edge

Channel 128



Date: 20.JUL.2007 21:40:44

Right Edge
Channel 251



Date: 20.JUL.2007 21:41:20

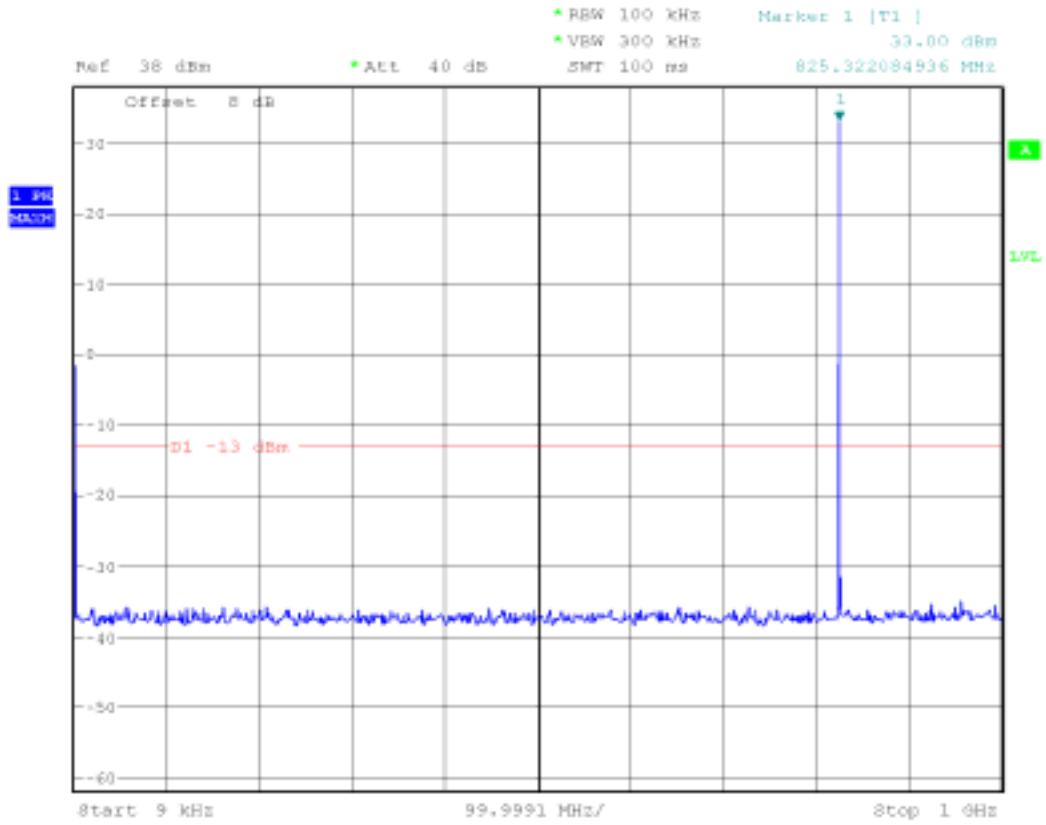
Appendix D

Spurious Emission at Antenna Terminal

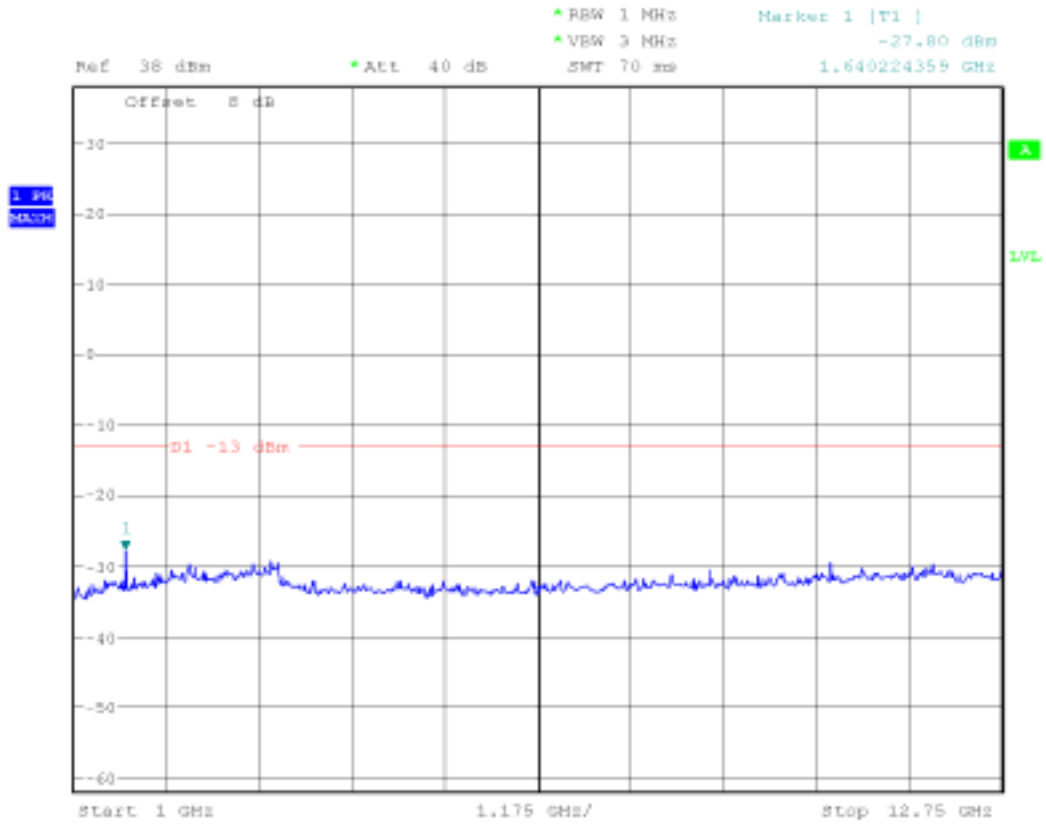
According to FCC Part 2.1051 & 22.917

TM1:GPRS/GSM

Channel 128

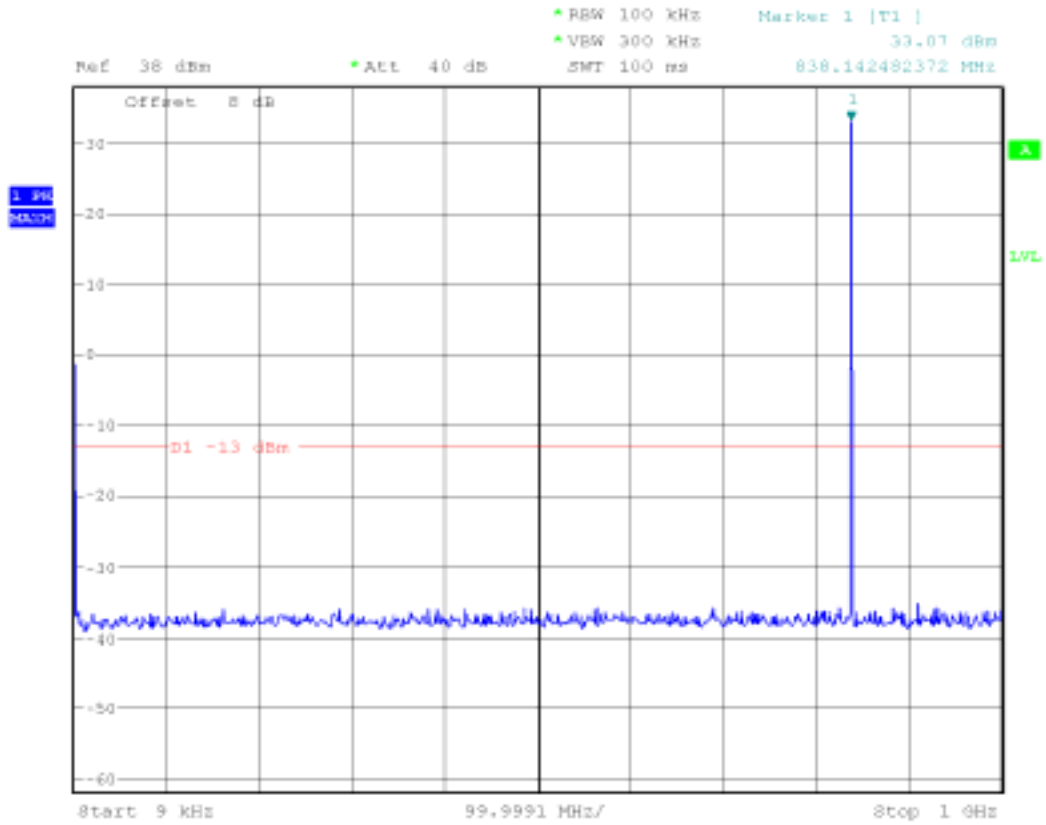


Date: 20.JUL.2007 21:13:22

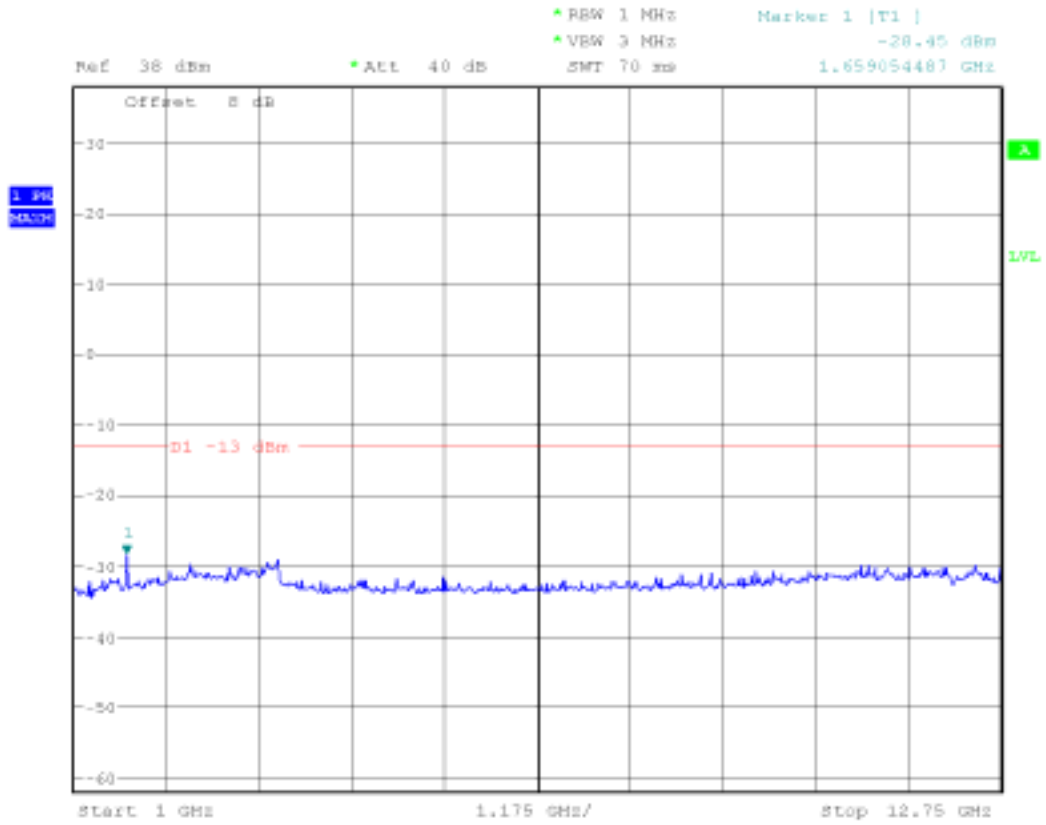


Date: 20.JUL.2007 21:14:42

Channel 192

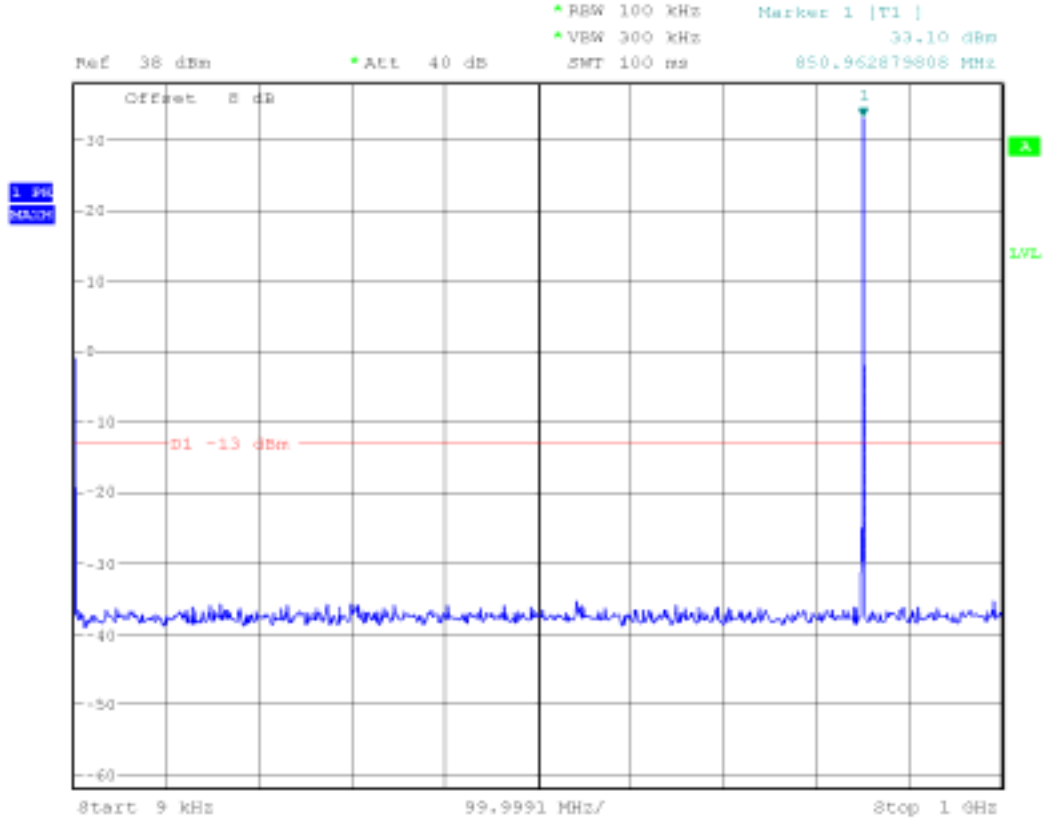


Date: 20.JUL.2007 21:17:42

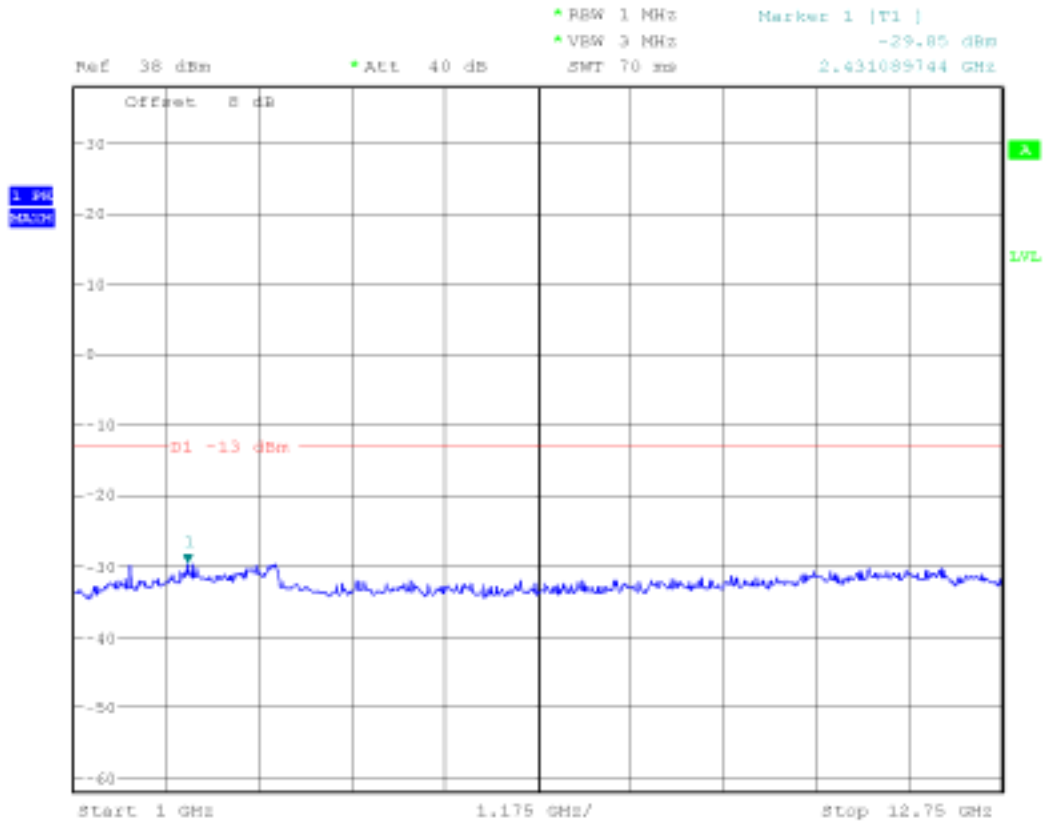


Date: 20.JUL.2007 21:17:01

Channel 251

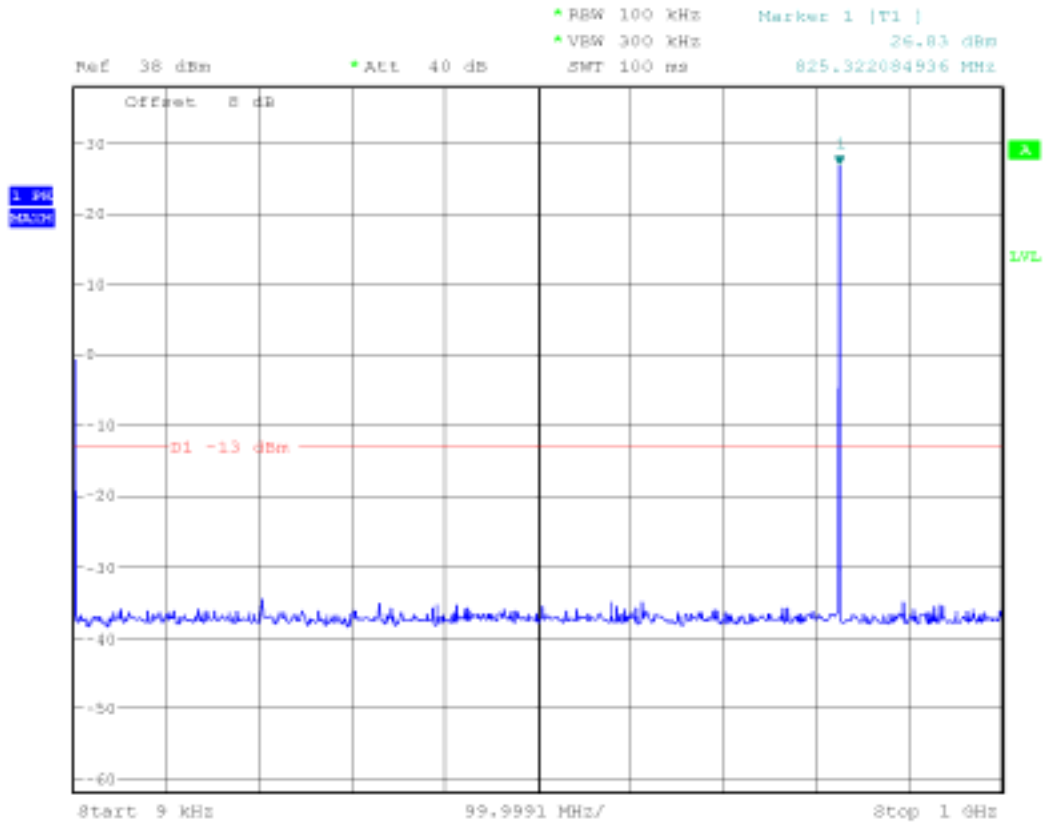


Date: 20.JUL.2007 21:18:29

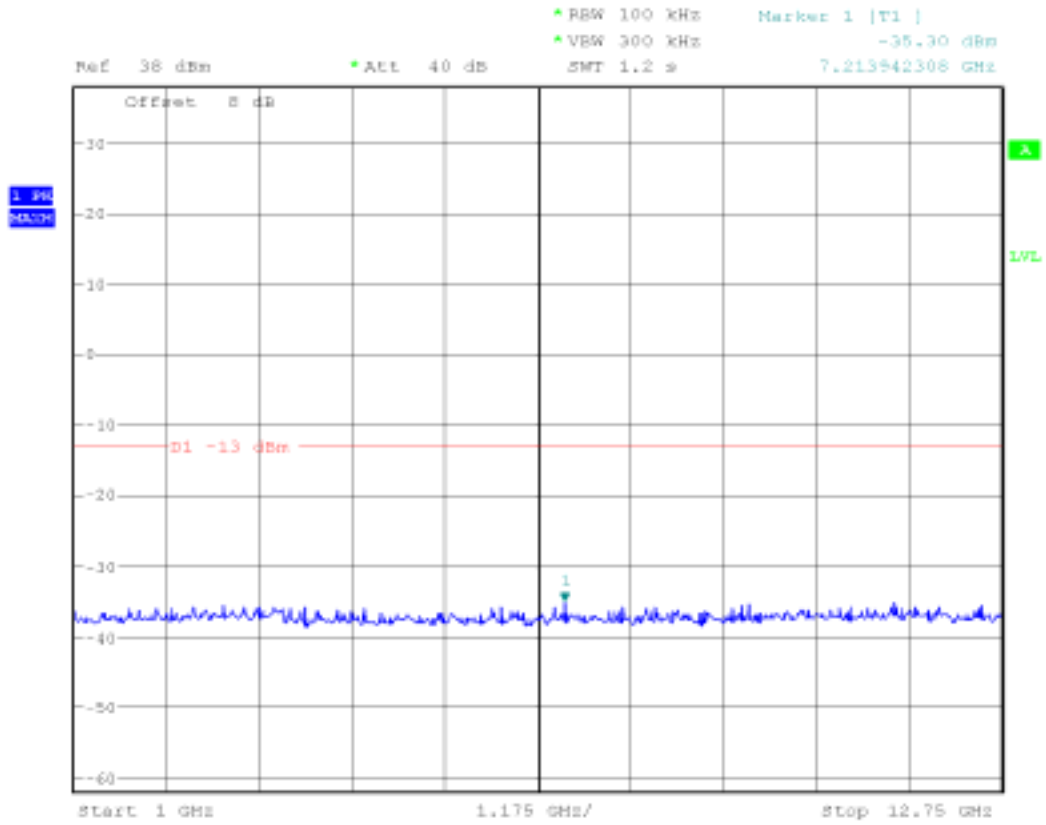


Date: 20.JUL.2007 21:19:20

TM2:EDGE
Channel 128

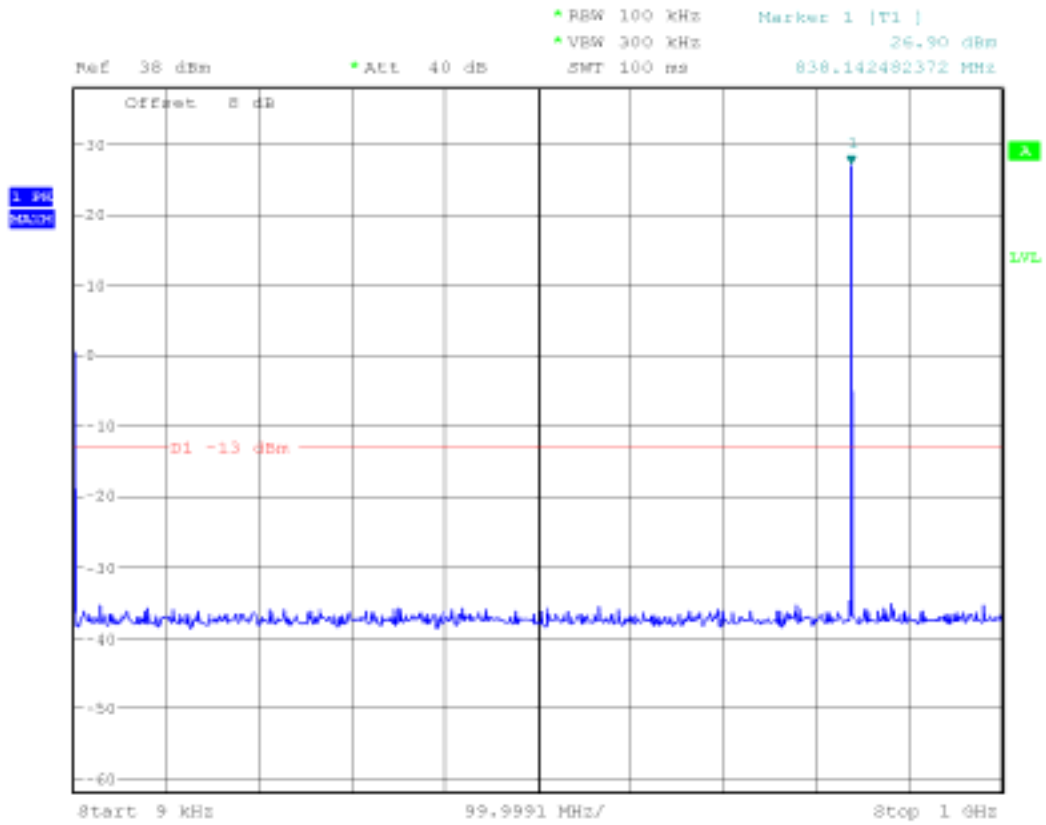


Date: 20.JUL.2007 21:22:29

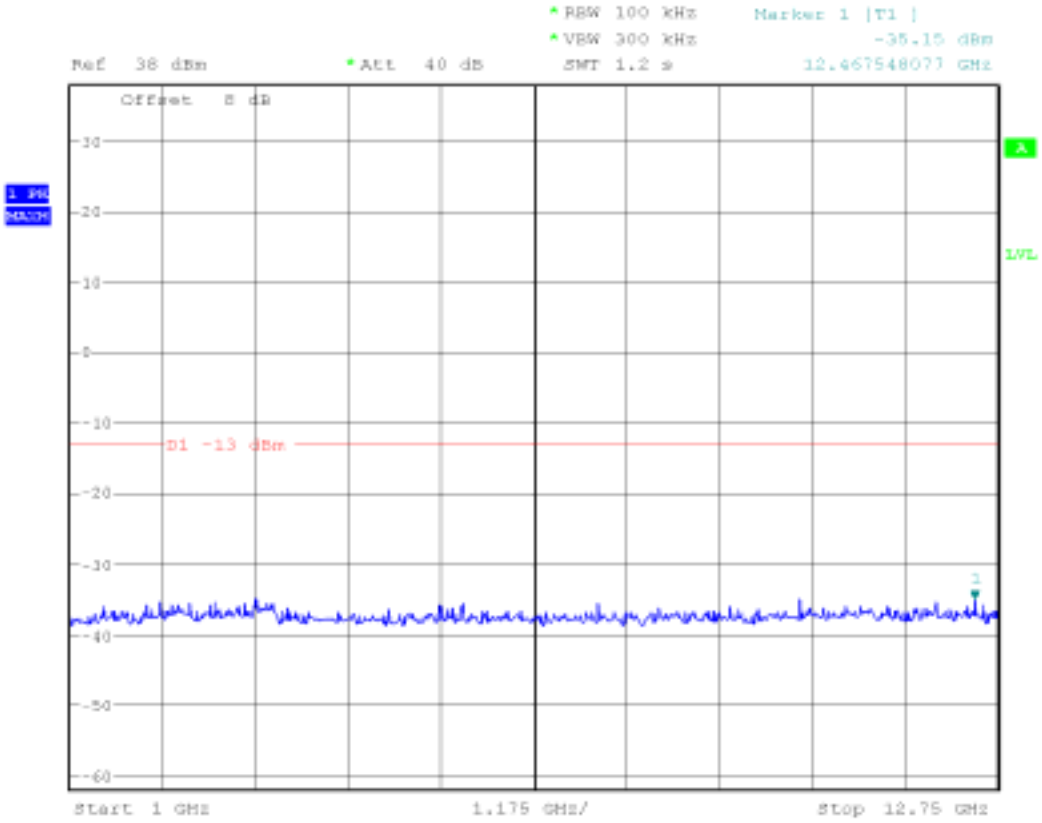


Date: 20.JUL.2007 21:23:25

Channel 192



Date: 20.JUL.2007 21:24:24


RBW 100 kHz
VBW 300 kHz
SWT 1.2 s
Marker 1 [T1]
-35.15 dBm
12.467548077 GHz
Ref 38 dBm
Att 40 dB
Offset 8 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
1
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

Appendix E

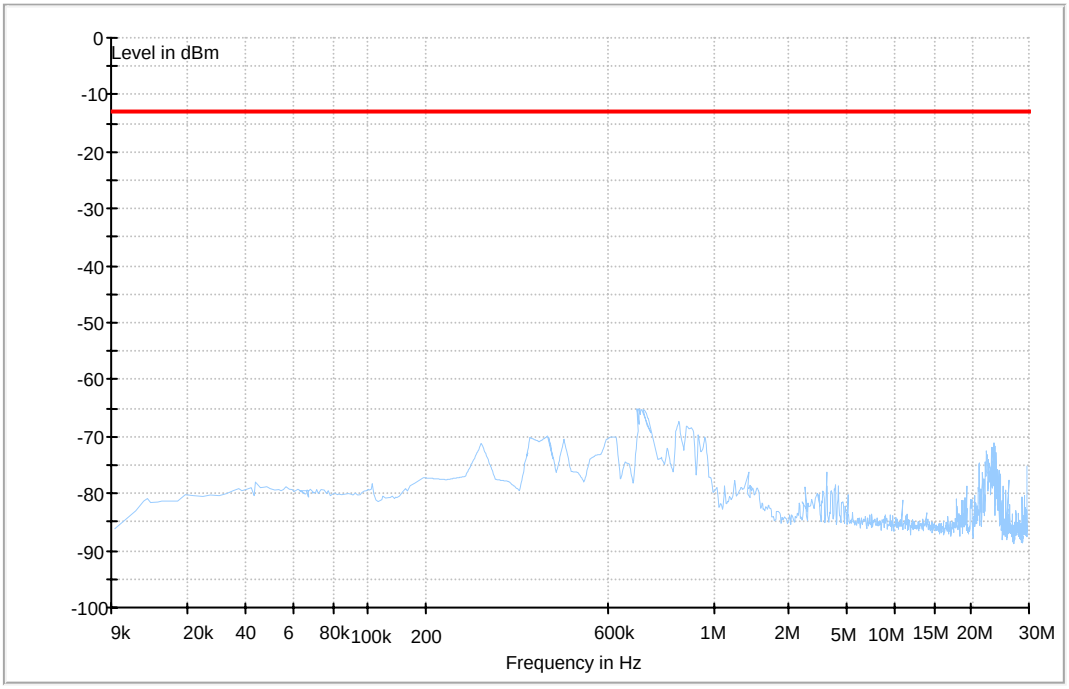
Radiated Spurious Emission

According to FCC Part 2.1053 & 24.238

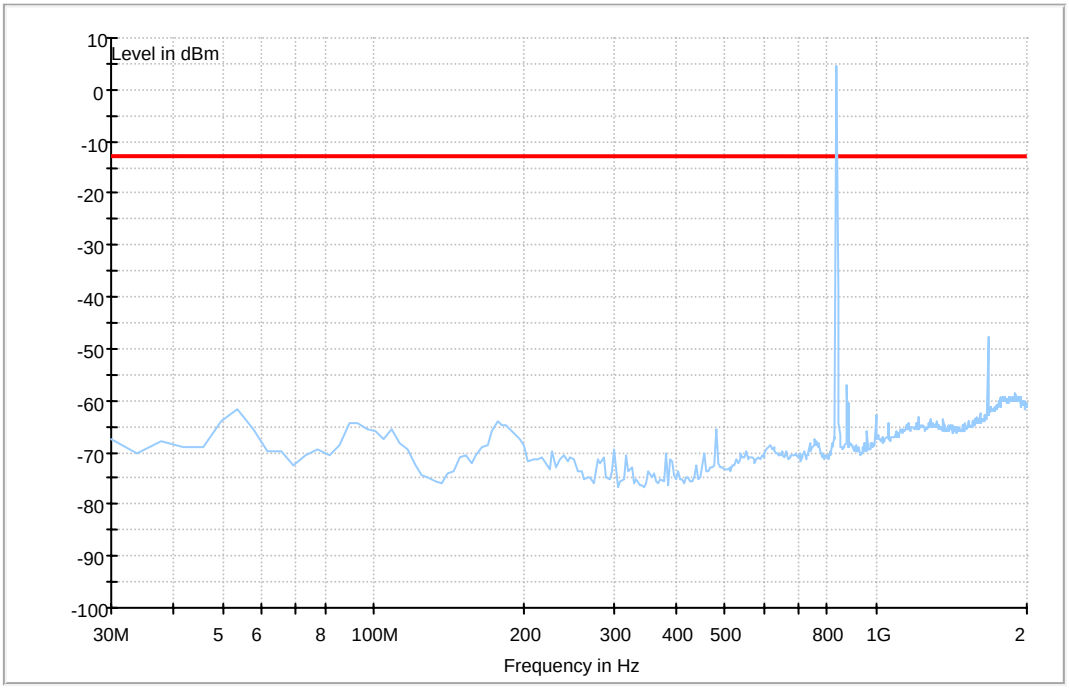
1 Test Result of E960 (Gateway mode)

1.1 GPRS850

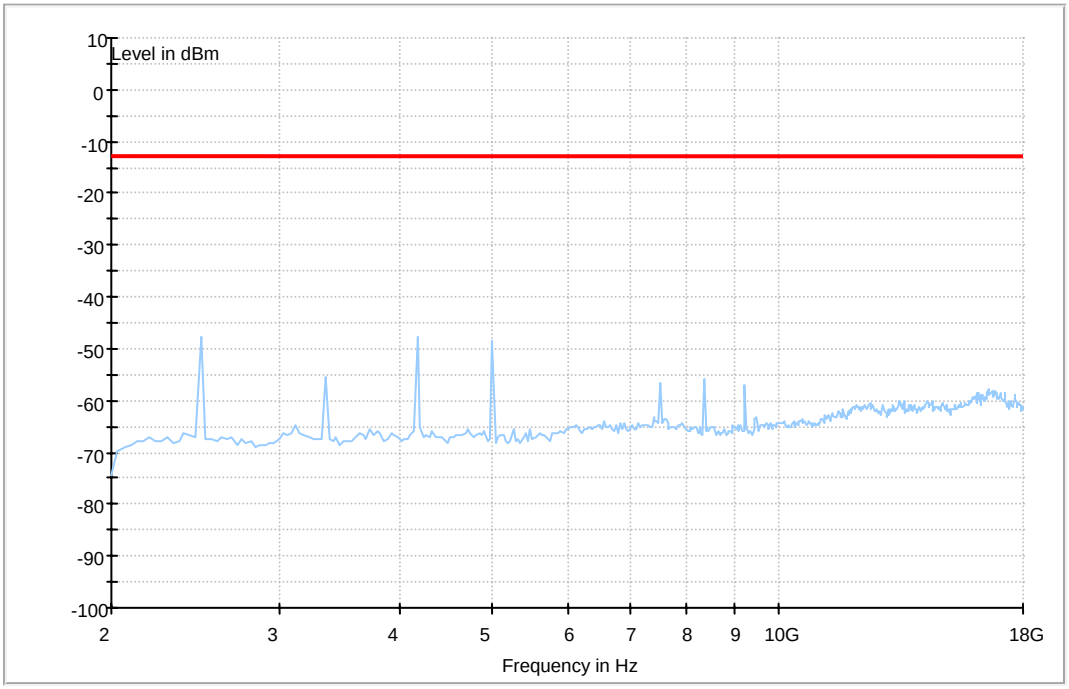
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-2GHz)

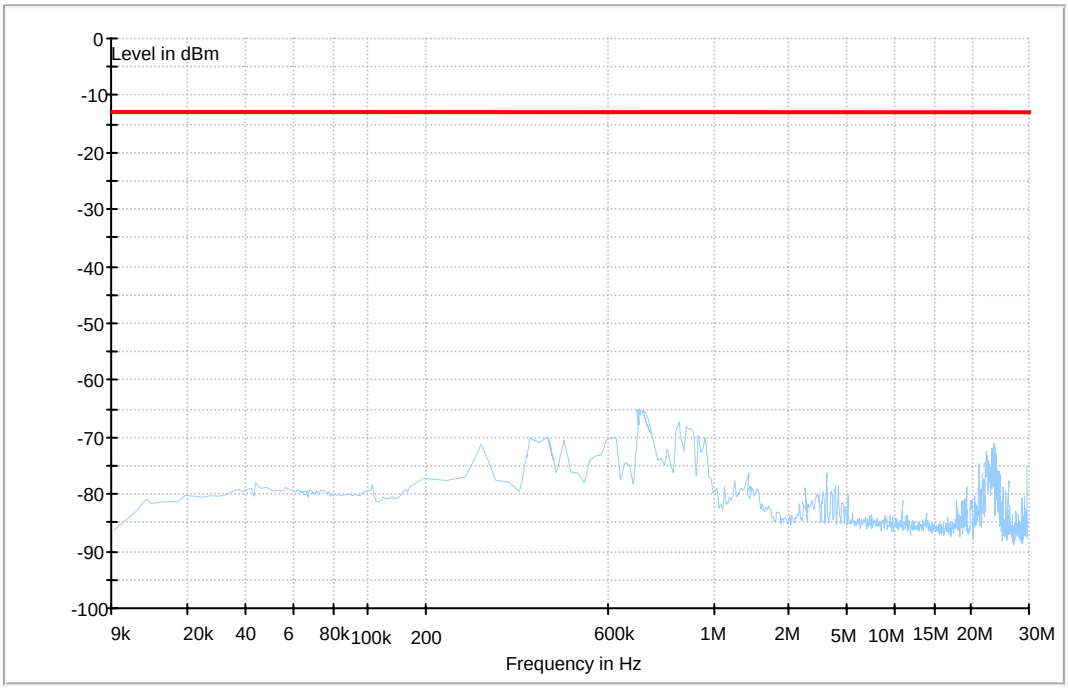


Traffic Mode (2GHz-18GHz)

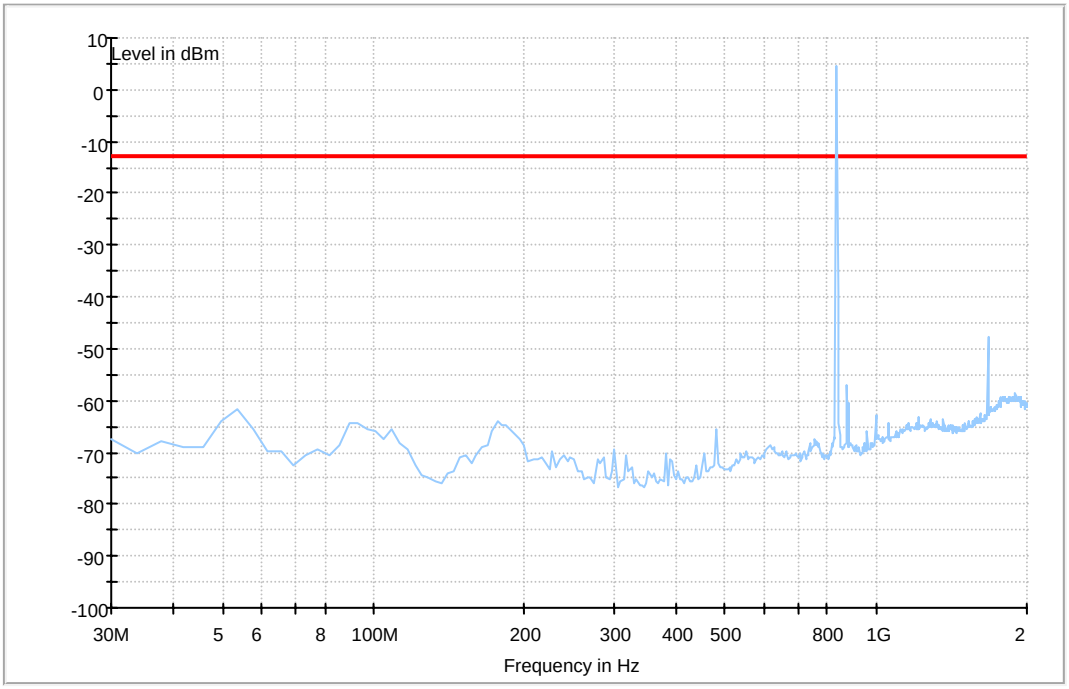


1.2 EGPRS850

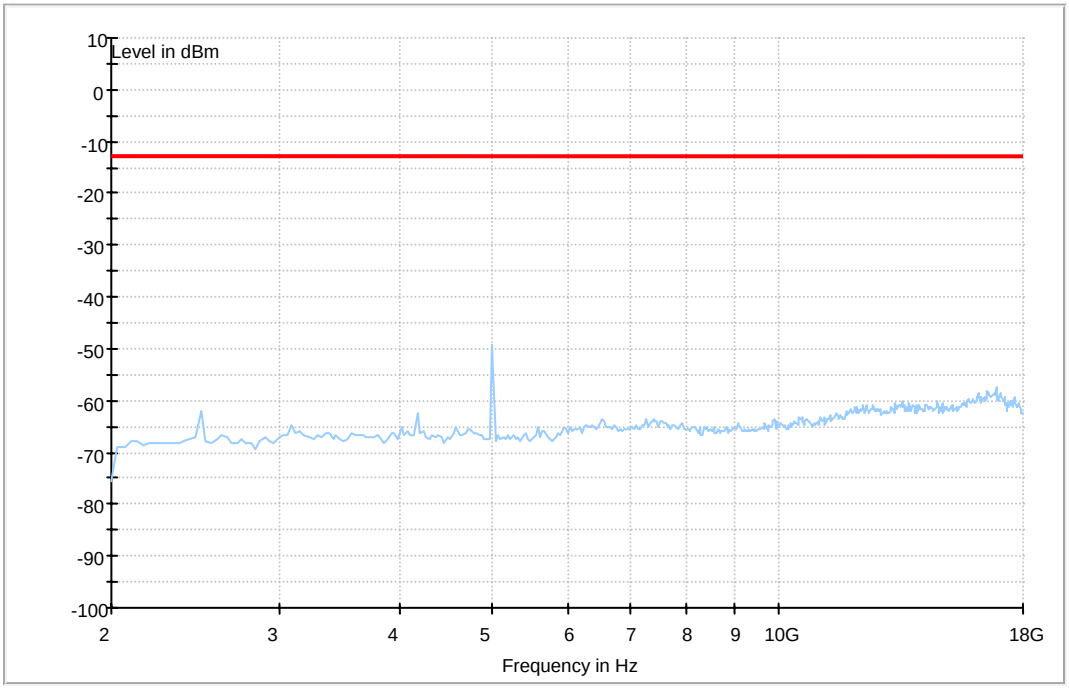
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-2GHz)



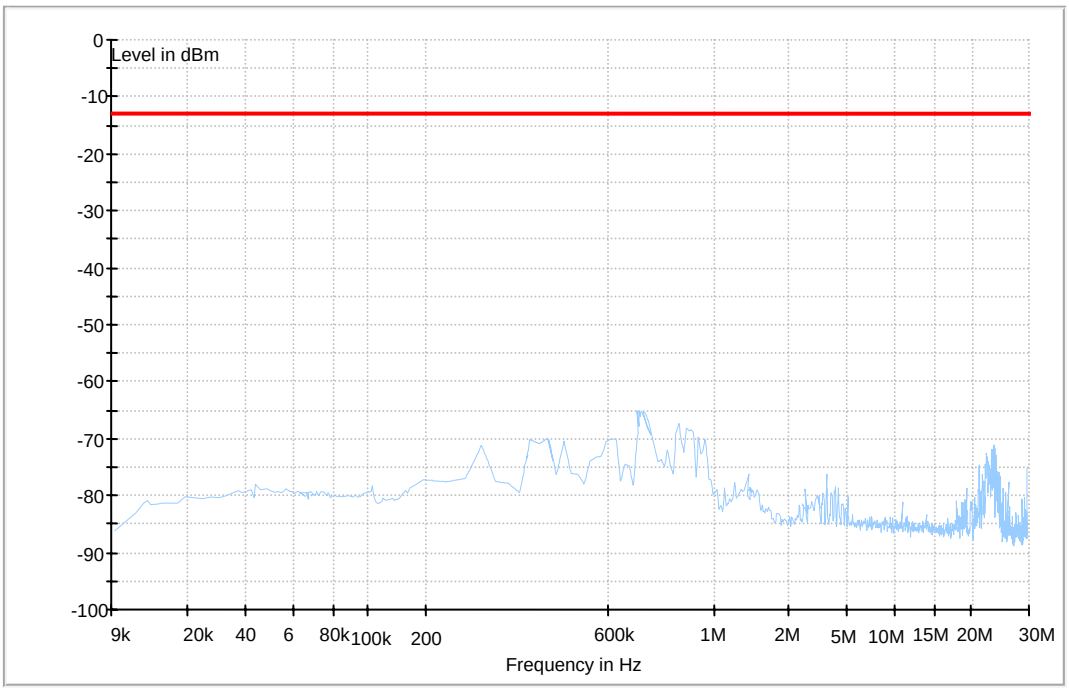
Traffic Mode (2GHz-18GHz)



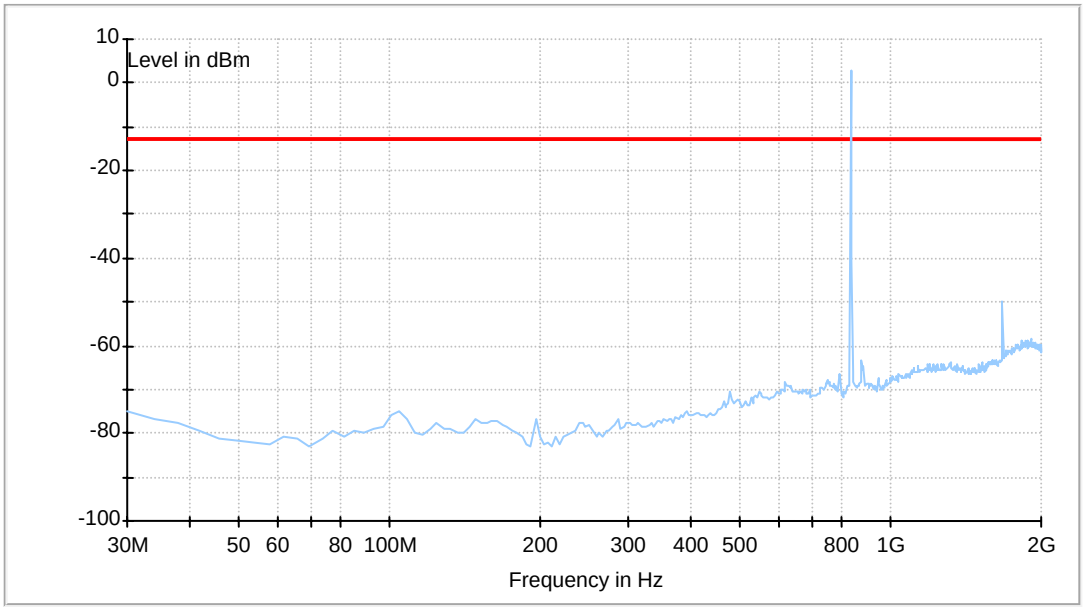
2 Test Result of E960(modem mode)

2.1 GPRS850

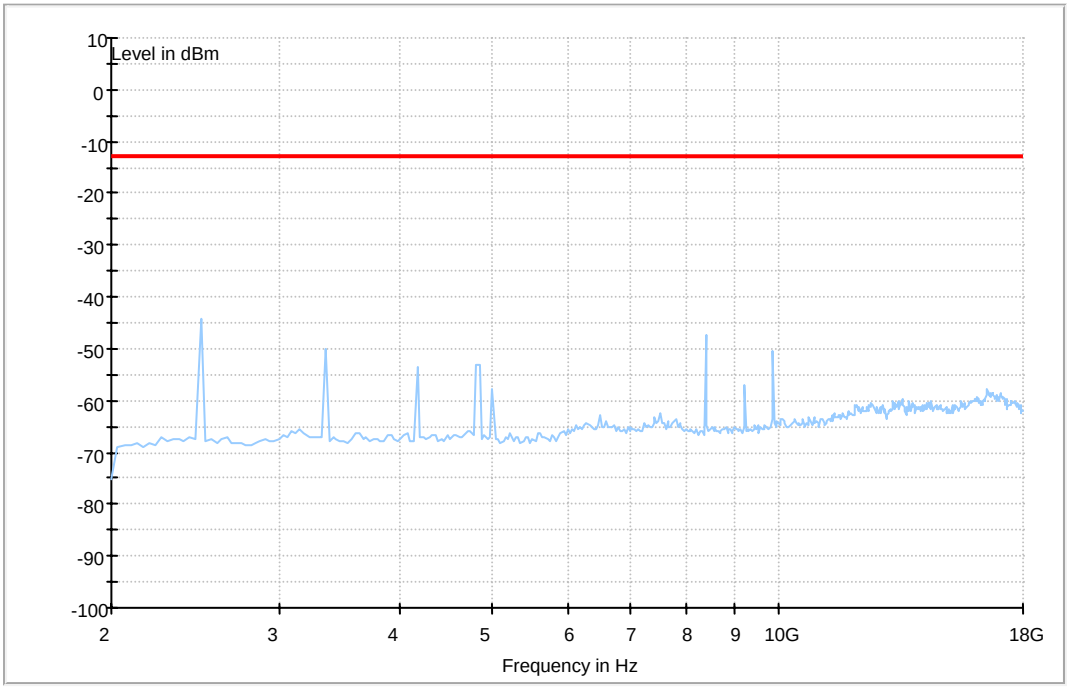
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-2GHz)

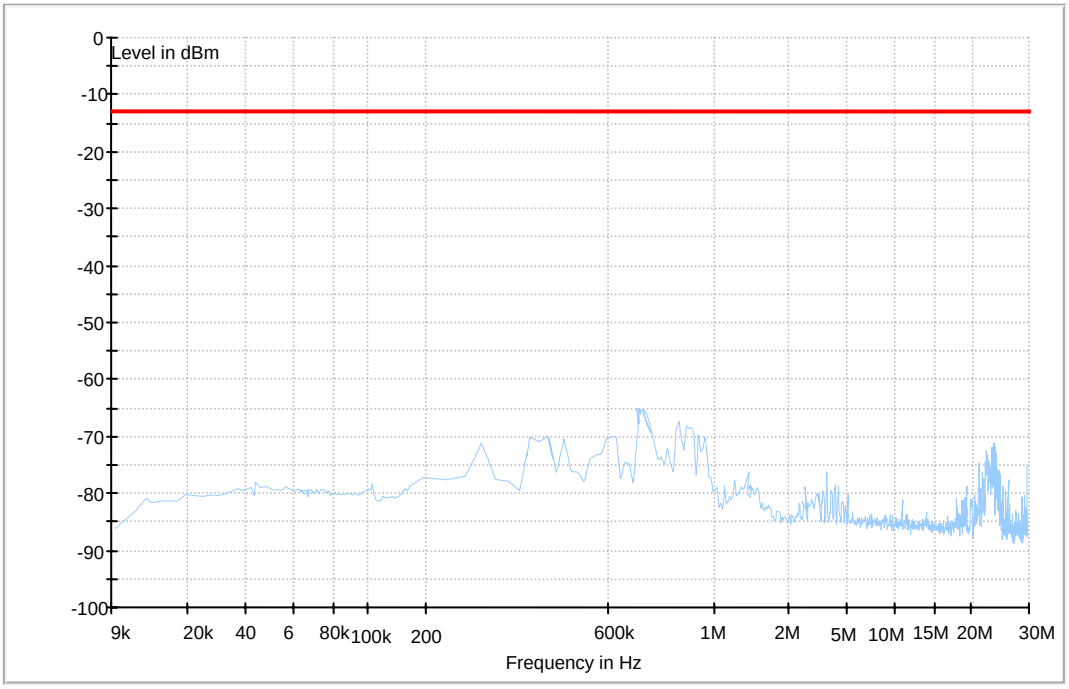


Traffic Mode (2GHz-18GHz)

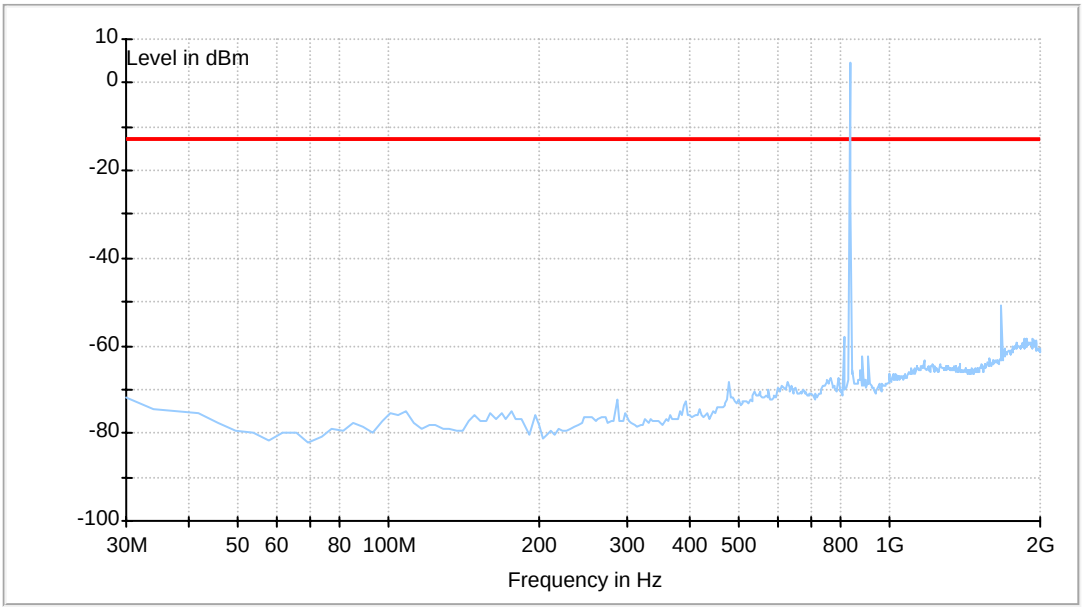


EGPRS850

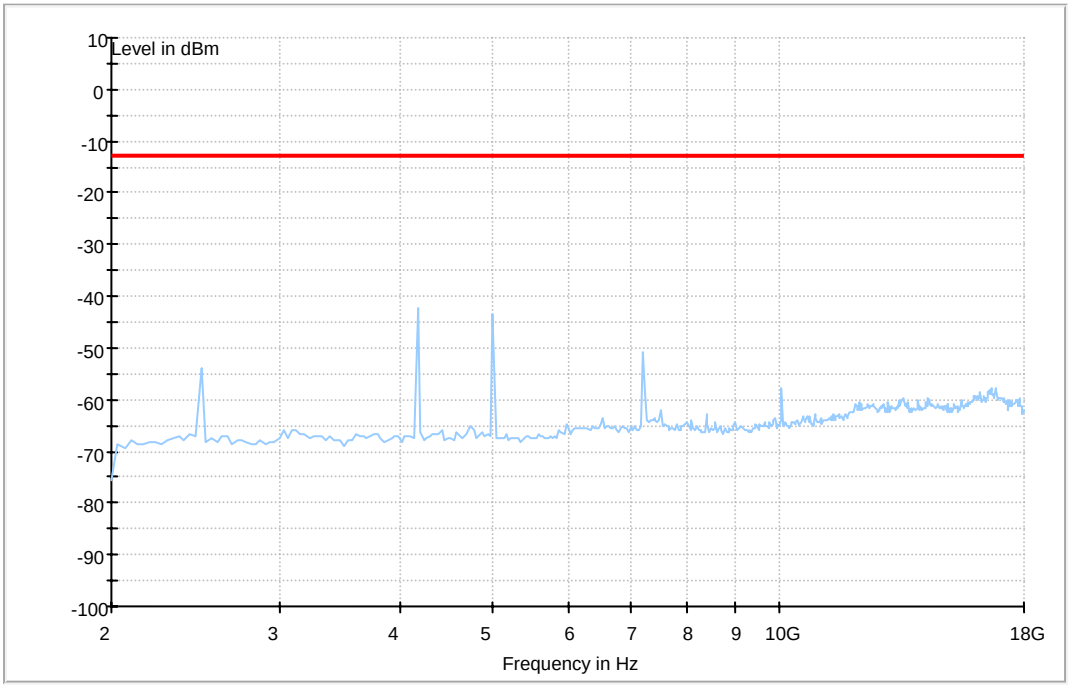
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-2GHz)



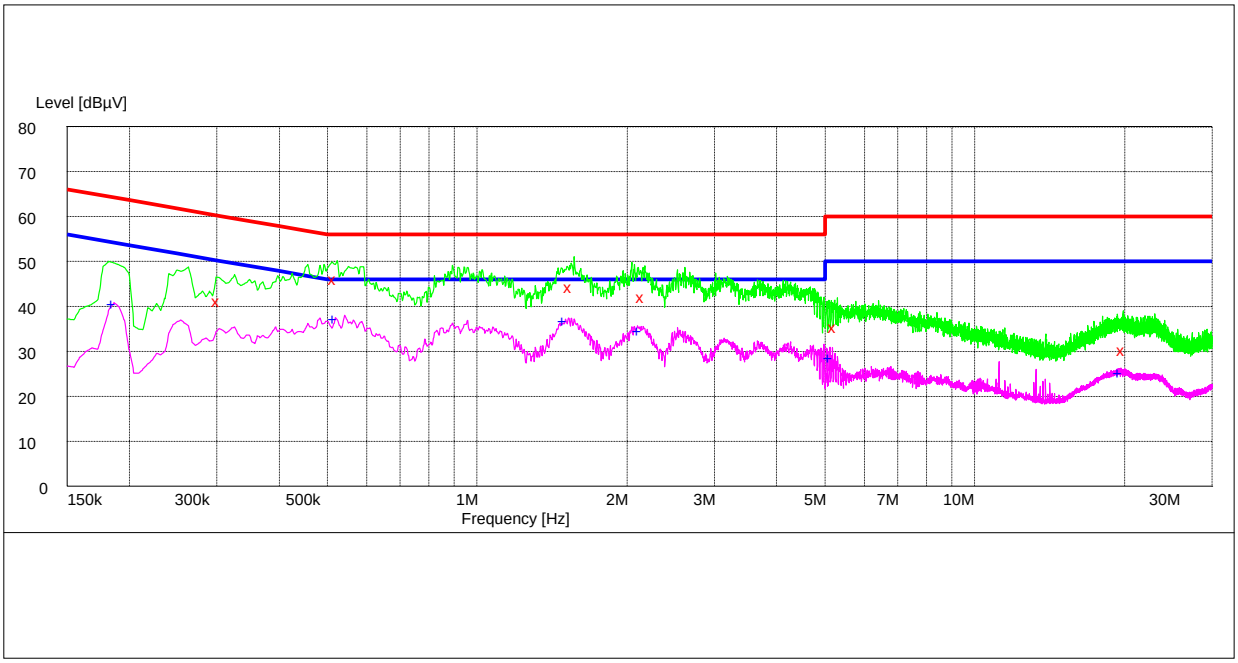
Traffic Mode (2GHz-18GHz)



Appendix F

Conducted Emission at Power Port

According to FCC Part 15.107



MEASUREMENT RESULT:QP DECTER

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.303000	41.50	10.3	60	18.7	QP	L3	GND
0.519000	46.40	10.0	56	9.6	QP	L3	GND
1.545000	44.50	9.9	56	11.5	QP	L3	GND
2.161500	42.40	10.1	56	13.6	QP	L3	GND
5.257500	35.70	10.2	60	24.3	QP	N	GND
19.990500	30.60	13.1	60	29.4	QP	N	GND

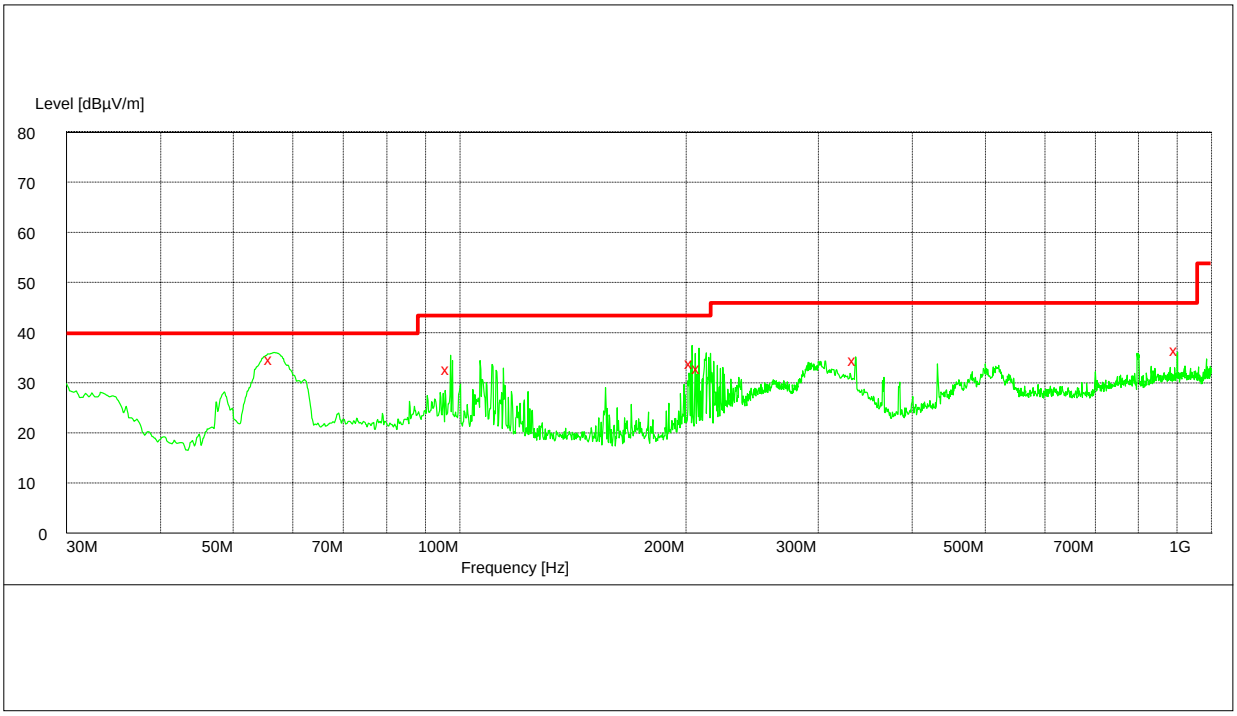
MEASUREMENT RESULT:AV DECTER

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.186000	40.90	10.6	54	13.3	AV	L3	GND
0.519000	37.50	10.0	46	8.5	AV	L3	GND
1.500000	37.10	9.9	46	8.9	AV	L3	GND
2.125500	34.90	10.1	46	11.1	AV	L3	GND
5.140500	28.80	10.1	50	21.2	AV	N	GND
19.612500	25.40	12.9	50	24.6	AV	L3	GND

Appendix G

Radiated Emission of Enclosure in Idle Mode

According to FCC Part 15.109



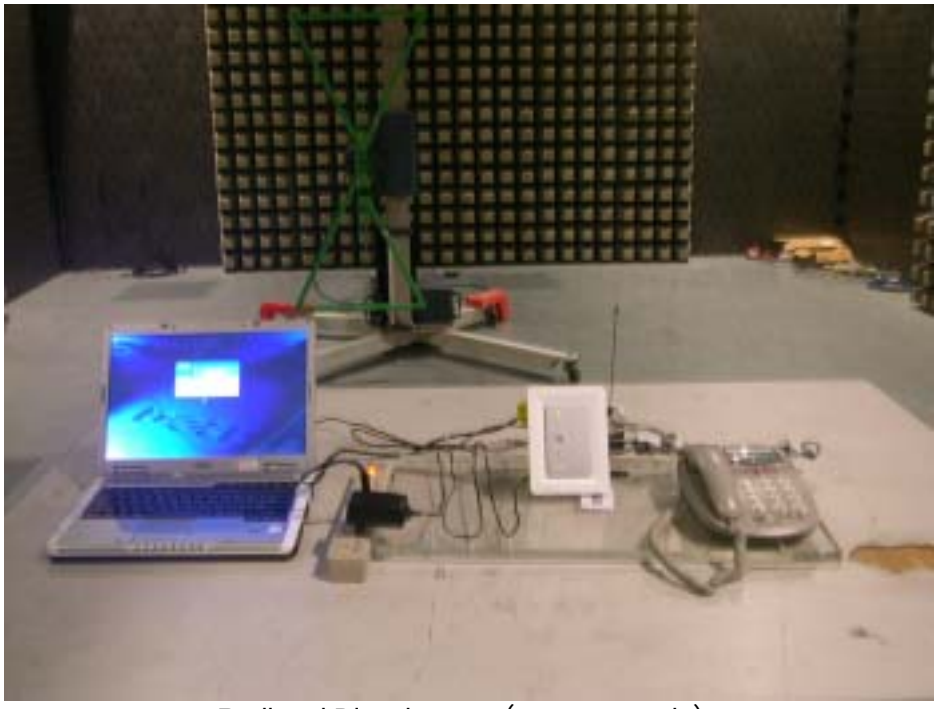
MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
56.280000	34.90	-15.8	40.0	5.1	120.0	343.00	VERTICAL
96.780000	32.80	-11.3	43.5	10.7	100.0	11.00	VERTICAL
204.000000	34.00	-11.5	43.5	9.5	133.0	0.00	HORIZONTAL
208.680000	33.10	-11.7	43.5	10.4	126.0	0.00	HORIZONTAL
336.000000	34.70	-5.9	46.0	11.3	100.0	178.00	HORIZONTAL
900.000000	36.60	1.4	46.0	9.4	120.0	171.00	VERTICAL

Appendix H

Photos of Test Setup

1 Radiated Emissions



Radiated Disturbance （gateway mode）

Radiated Disturbance （modem mode）

2 Radiated Spurious Emissions

Radiated Spurious Emission (below 2GHz, Gateway mode)

Radiated Spurious Emission (below 2GHz, Modem mode)

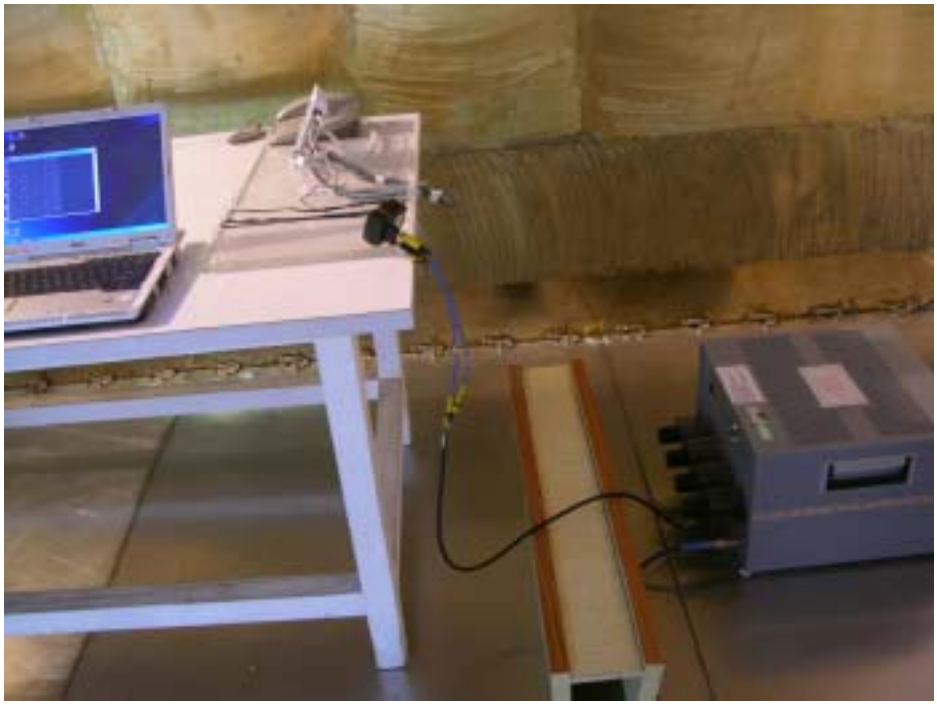
Radiated Spurious Emission (2GHz~18GHz, Gateway mode)

Radiated Spurious Emission (2GHz~18GHz, Modem mode)

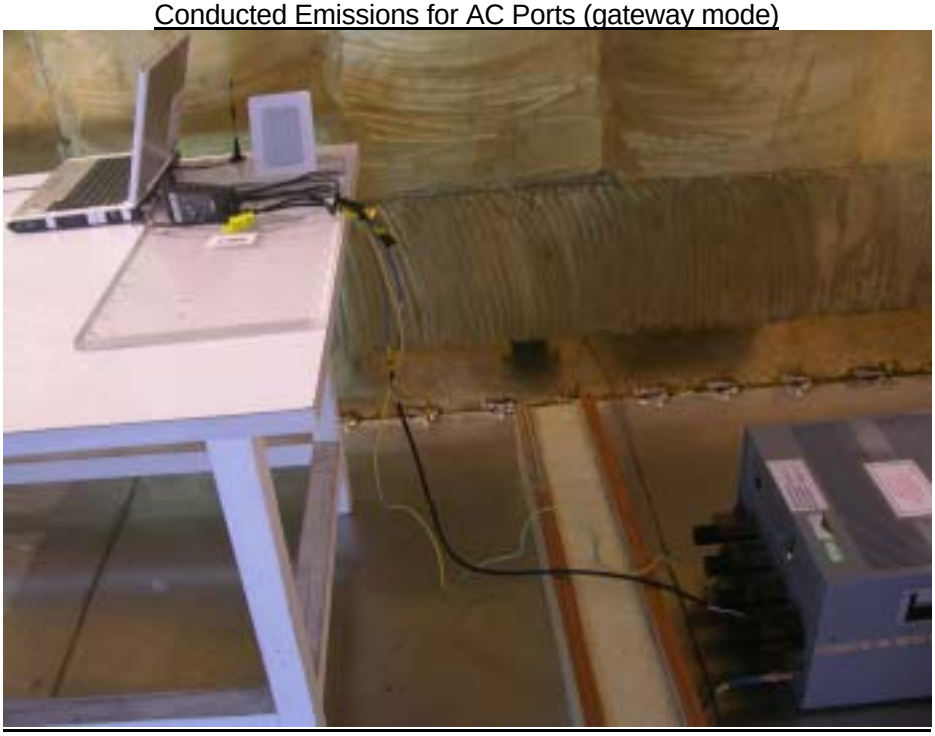
Radiated Spurious Emission (18GHz~26GHz, Gateway mode)

Radiated Spurious Emission (18GHz~26GHz, Modem mode)

3 Conducted Emissions



Conducted Emissions for AC Ports (gateway mode)



Conducted Emissions for AC Ports (modem mode)