

Test Report No. : SYBH(E)25022005

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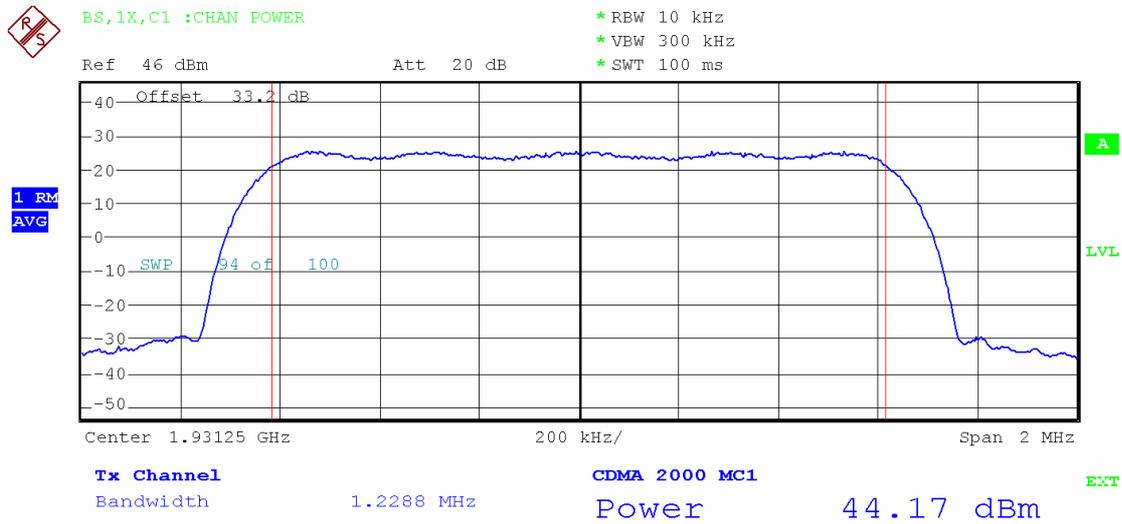
Appendix A
Channel Power Measurement
According to CFR 47 (FCC) part 2.1046

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A. Single Carrier:

Channel 25



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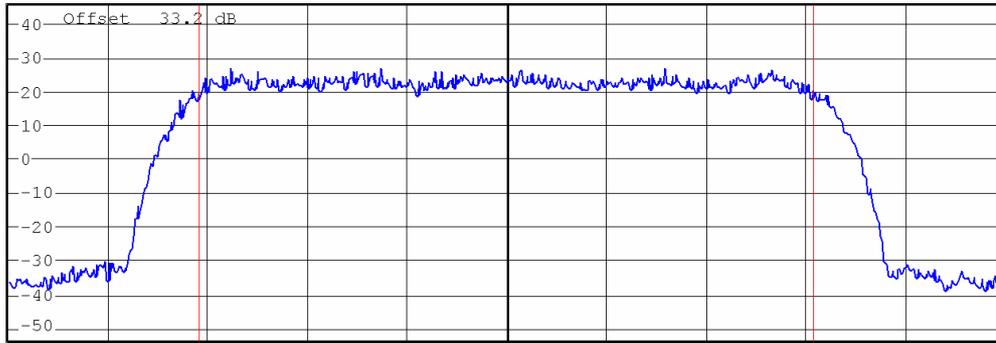
Channel 600



BS,1X,C1 :CHAN POWER

* RBW 10 kHz
* VBW 300 kHz
* SWT 100 ms

Ref 46 dBm Att 20 dB



Center 1.96 GHz 200 kHz/ Span 2 MHz

Tx Channel

CDMA 2000 MC1

EXT

Bandwidth

1.2288 MHz

Power

43.20 dBm

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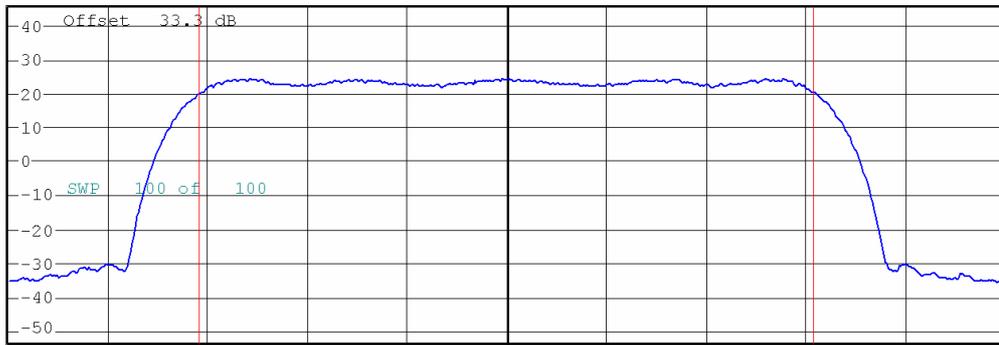
Channel 1175



BS,1X,C1 :CHAN POWER

* RBW 10 kHz
* VBW 300 kHz
* SWT 100 ms

Ref 46.1 dBm Att 20 dB



1 RM
AVG

A
LVL

Tx Channel
Bandwidth

1.2288 MHz

CDMA 2000 MC1
Power

43.42 dBm

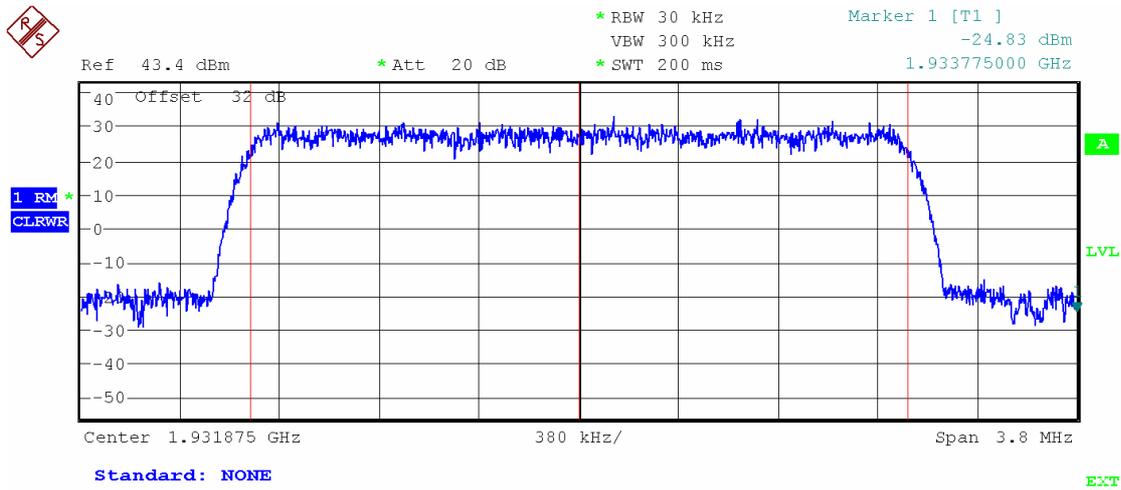
EXT

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B. Two Carriers:

Channel 25



Tx Channels

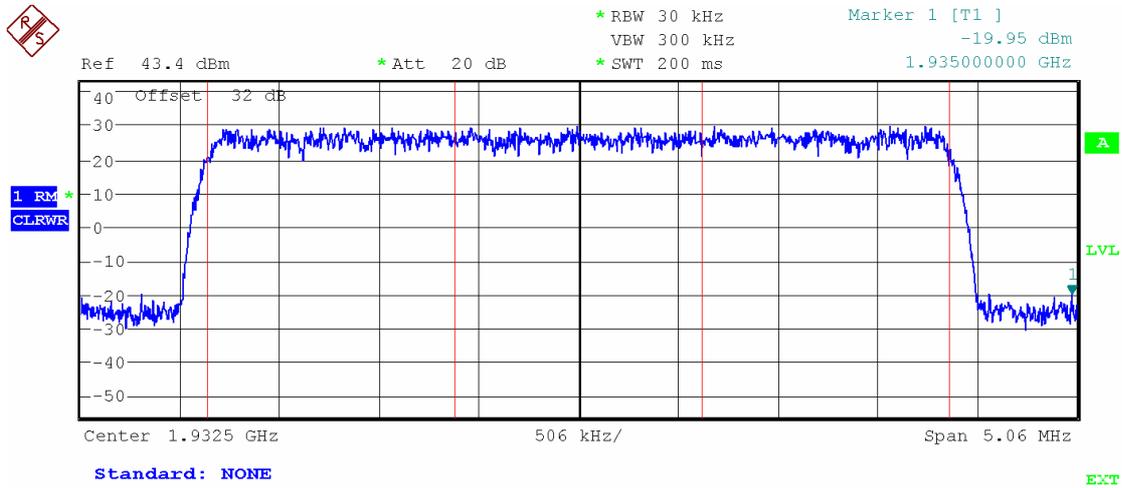
| | |
|-------|-----------|
| Ch1 | 42.90 dBm |
| Ch2 | 42.93 dBm |
| Total | 45.93 dBm |

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C. Three Carriers:

Channel 25



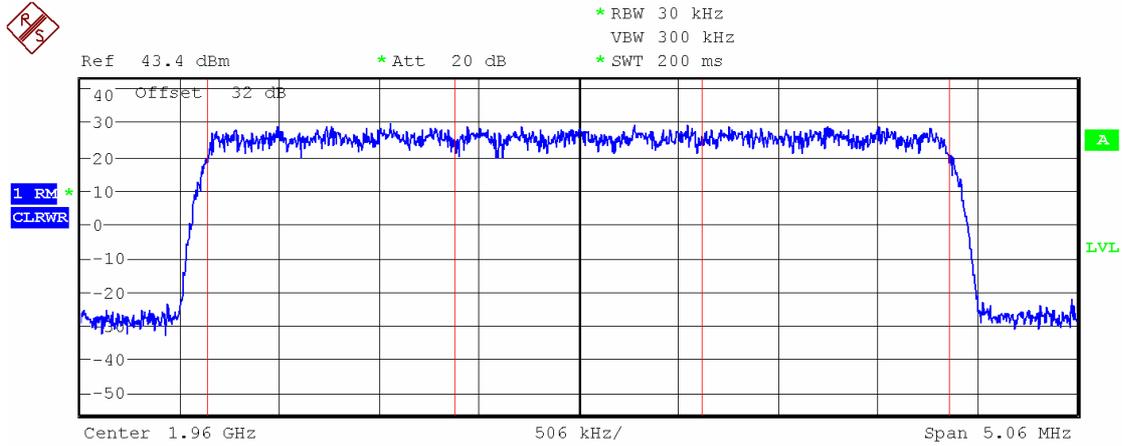
Tx Channels

| | |
|-------|-----------|
| Ch1 | 41.59 dBm |
| Ch2 | 41.58 dBm |
| Ch3 | 41.69 dBm |
| Total | 46.39 dBm |

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Channel 600



Standard: NONE

EXT

Tx Channels

| | |
|-------|-----------|
| Ch1 | 41.06 dBm |
| Ch2 | 41.21 dBm |
| Ch3 | 41.17 dBm |
| Total | 45.92 dBm |

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Appendix B
Modulation Characteristic Measurement
According to CFR 47 (FCC) part 2.1047

RC3



BS,1X,C1 :CODE POWER

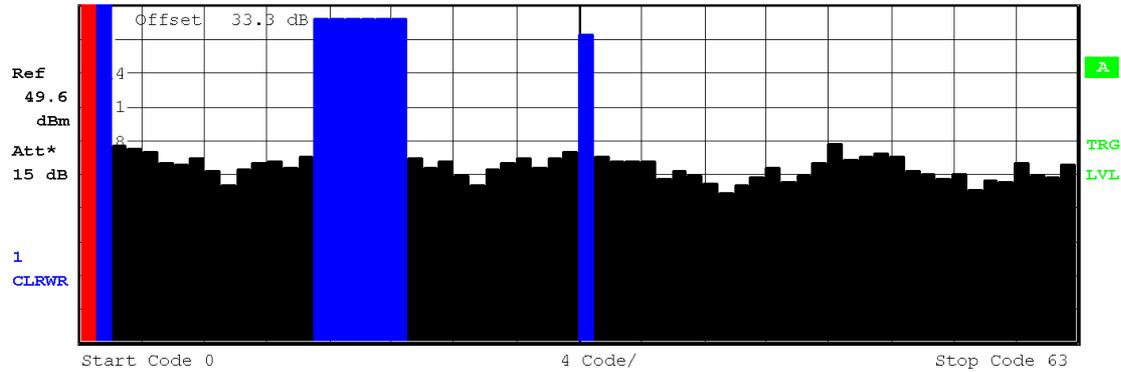
SR 19.2 kbps

Chan 0.64

dB PICH

CF 1.93125 GHz

PCG 0



RESULT SUMMARY TABLE

SR 19.2 kbps

Chan 0.64

Offset 33.3 dB

CF 1.93125 GHz

PCG 0

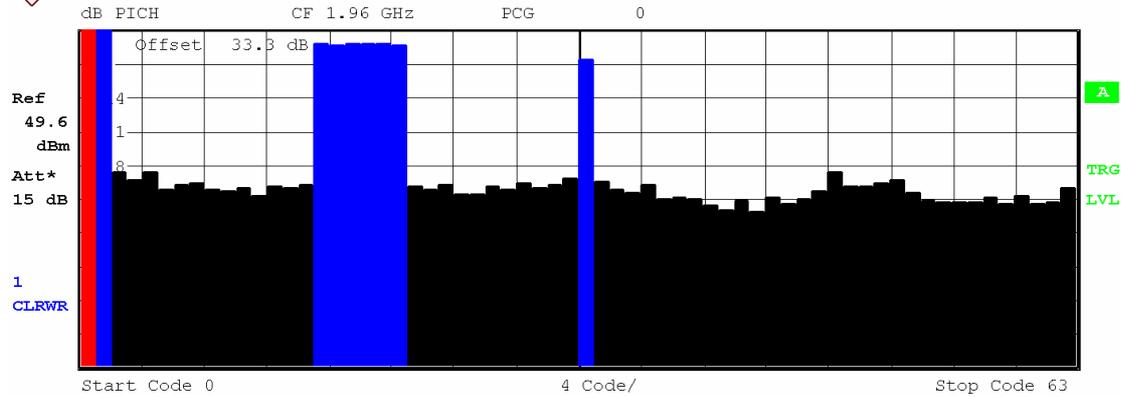
| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|----------------|---------------------------|---------------|
| Total PWR | 44.45 dBm | Carr Freq Error | -6.17 Hz |
| Pilot PWR | 37.40 dBm | Carr Freq Error | -0.00 ppm |
| RHO | 0.99358 | Chip Rate Error | 0.19 ppm |
| Composite EVM | 8.05 % | Trg to Frame | 220.669051 ns |
| Pk CDE (SF 64) | -36.26 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.50/0.15 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 kbps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 3.03 % rms | Channel Power Abs | 37.40 dBm |
| | | Symbol EVM | 5.31 % Pk |

RC3



BS,1X,C1 :CODE POWER

SR 19.2 ksps
Chan 0.64
PCG 0



RESULT SUMMARY TABLE

SR 19.2 ksps
Chan 0.64
PCG 0

Offset 33.3 dB

CF 1.96 GHz

PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|----------------|---------------------------|---------------|
| Total PWR | 43.82 dBm | Carr Freq Error | 3.91 Hz |
| Pilot PWR | 36.78 dBm | Carr Freq Error | 0.00 ppm |
| RHO | 0.99341 | Chip Rate Error | -0.27 ppm |
| Composite EVM | 8.14 % | Trg to Frame | 221.853867 ns |
| Pk CDE (SF 64) | -36.51 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.22/0.30 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 ksps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 2.99 % rms | Channel Power Abs | 36.78 dBm |
| | | Symbol EVM | 5.86 % Pk |

Channel 1175 RC1



BS,1X,C1 :CODE POWER

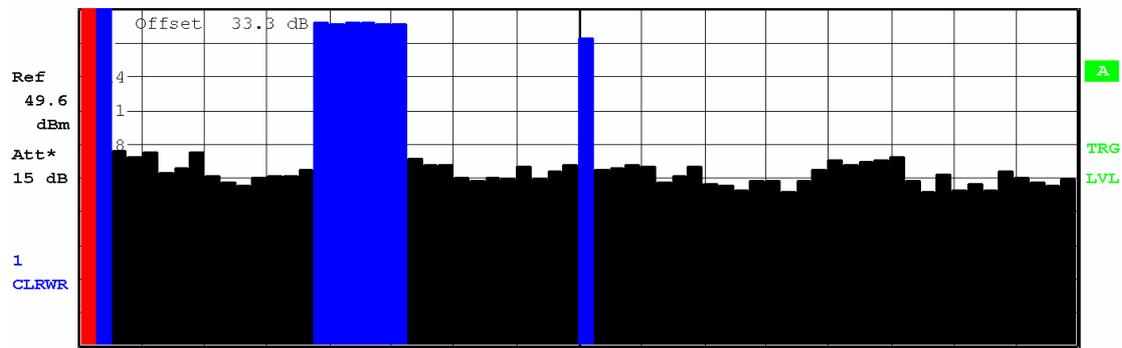
SR 19.2 kbps

Chan 0.64

dB PICH

CF 1.98875 GHz

PCG 0



Start Code 0

4 Code/

Stop Code 63

RESULT SUMMARY TABLE

SR 19.2 kbps

Chan 0.64

EXT

Offset 33.3 dB

CF 1.98875 GHz

PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|----------------|---------------------------|---------------|
| Total PWR | 43.81 dBm | Carr Freq Error | 3.84 Hz |
| Pilot PWR | 36.79 dBm | Carr Freq Error | 0.00 ppm |
| RHO | 0.99443 | Chip Rate Error | 0.19 ppm |
| Composite EVM | 7.49 % | Trg to Frame | 220.649738 ns |
| Pk CDE (SF 64) | -36.65 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.51/0.28 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 kbps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 2.51 % rms | Channel Power Abs | 36.79 dBm |
| | | Symbol EVM | 5.73 % Pk |

Ref

49.6

dBm

Att*

15 dB

1

CLRWR

B

LVL

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RC3



BS,1X,C1 :CODE POWER

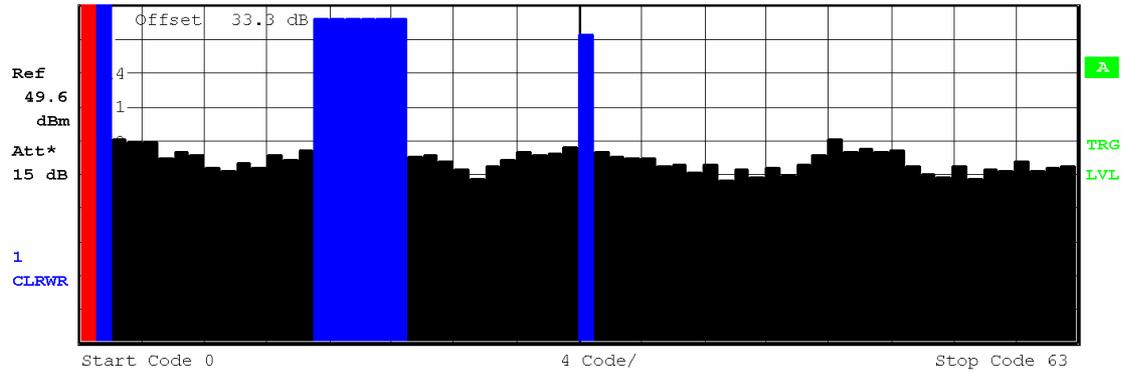
SR 19.2 kbps

Chan 0.64

dB PICH

CF 1.98875 GHz

PCG 0



RESULT SUMMARY TABLE

SR 19.2 kbps

Chan 0.64

Offset 33.3 dB

CF 1.98875 GHz

PCG 0

EXT

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|----------------|---------------------------|---------------|
| Total PWR | 43.71 dBm | Carr Freq Error | -622.73 mHz |
| Pilot PWR | 36.63 dBm | Carr Freq Error | -0.00 ppm |
| RHO | 0.99151 | Chip Rate Error | -0.03 ppm |
| Composite EVM | 9.25 % | Trg to Frame | 221.188685 ns |
| Pk CDE (SF 64) | -34.36 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.53/0.24 % | | |
| CHANNEL RESULTS: | | Modulation | BPSK |
| Symbol Rate | 19.2 kbps | Timing Offset | 0.00 ns |
| Channel.SF | 0.64 | Phase Offset | 0.00 mrad |
| Channel Power Rel | 0.00 dB | Channel Power Abs | 36.63 dBm |
| Symbol EVM | 4.31 % rms | Symbol EVM | 10.79 % Pk |

B

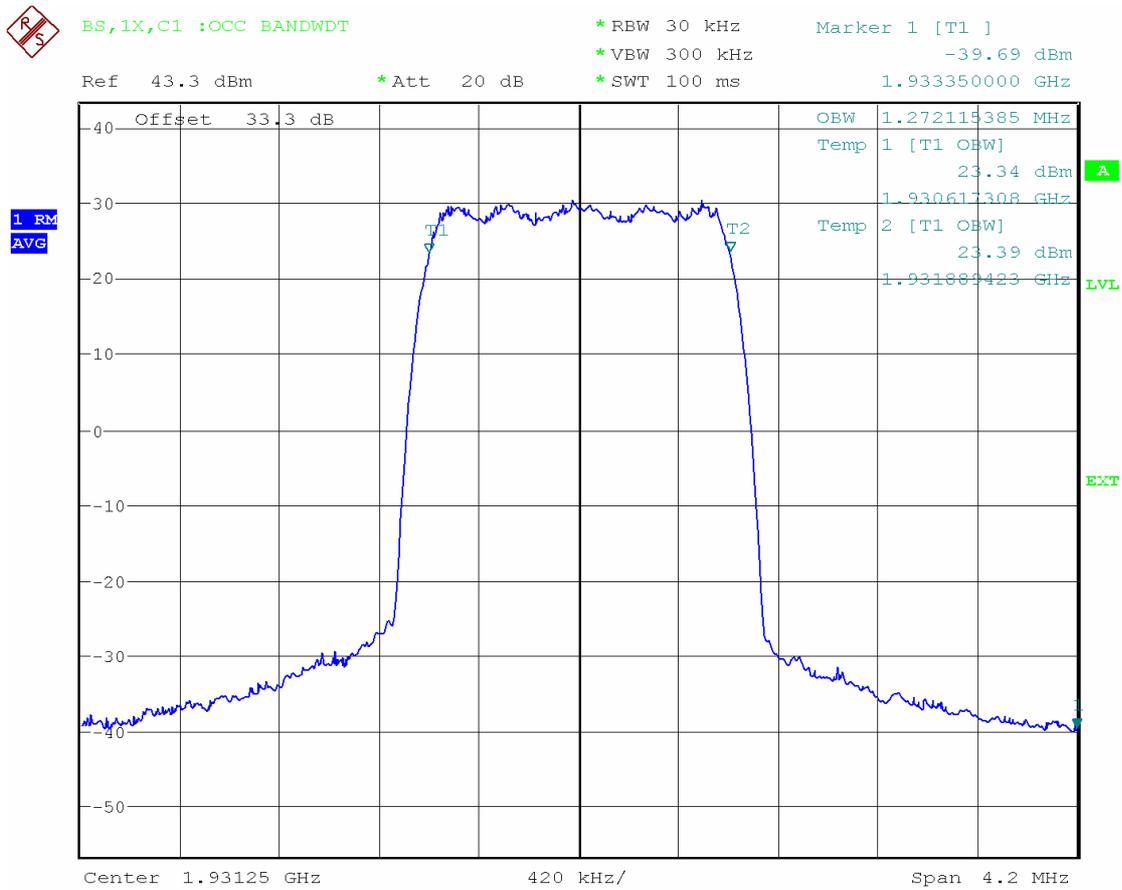
LVL

Appendix C

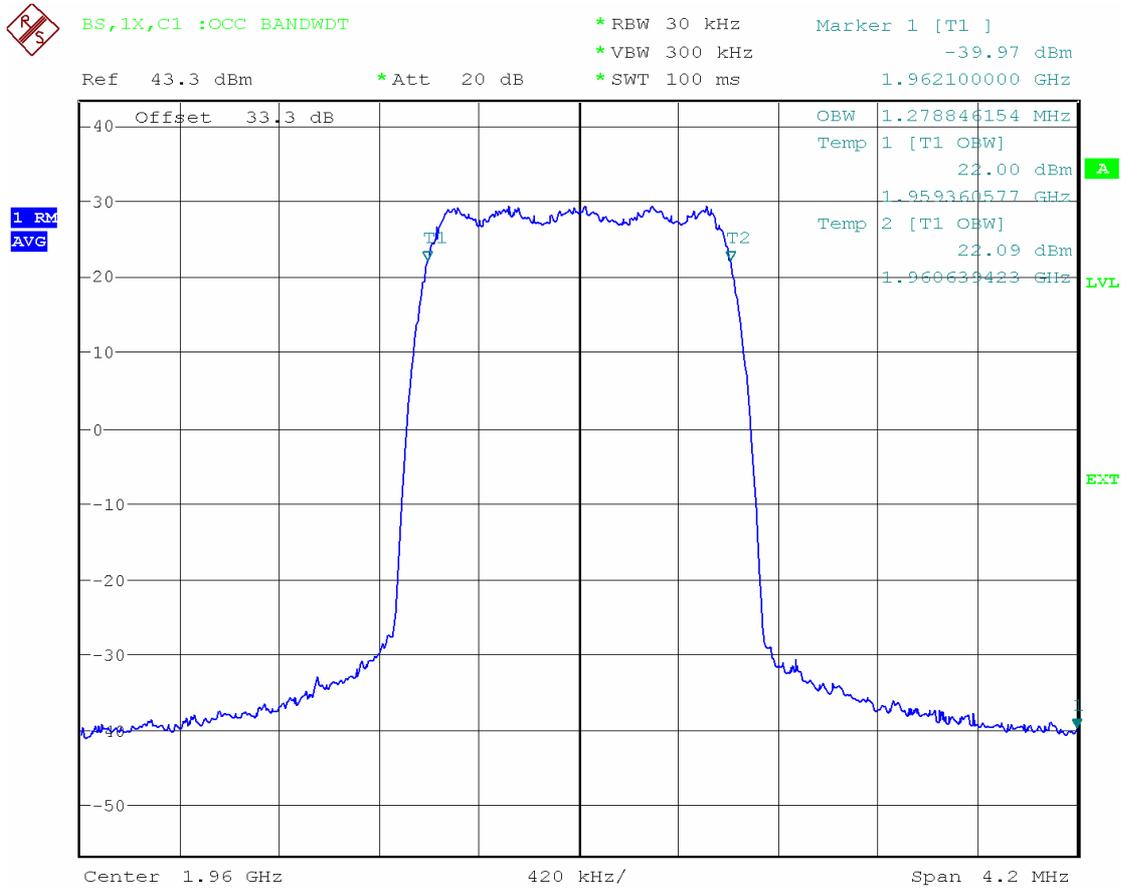
Occupied Bandwidth Measurement

According to CFR 47 (FCC) part 2.1049

Channel 25



Channel 600



Channel 1175



BS, 1X, C1 :OCC BANDWDT

* RBW 30 kHz

Marker 1 [T1]

* VBW 300 kHz

-33.75 dBm

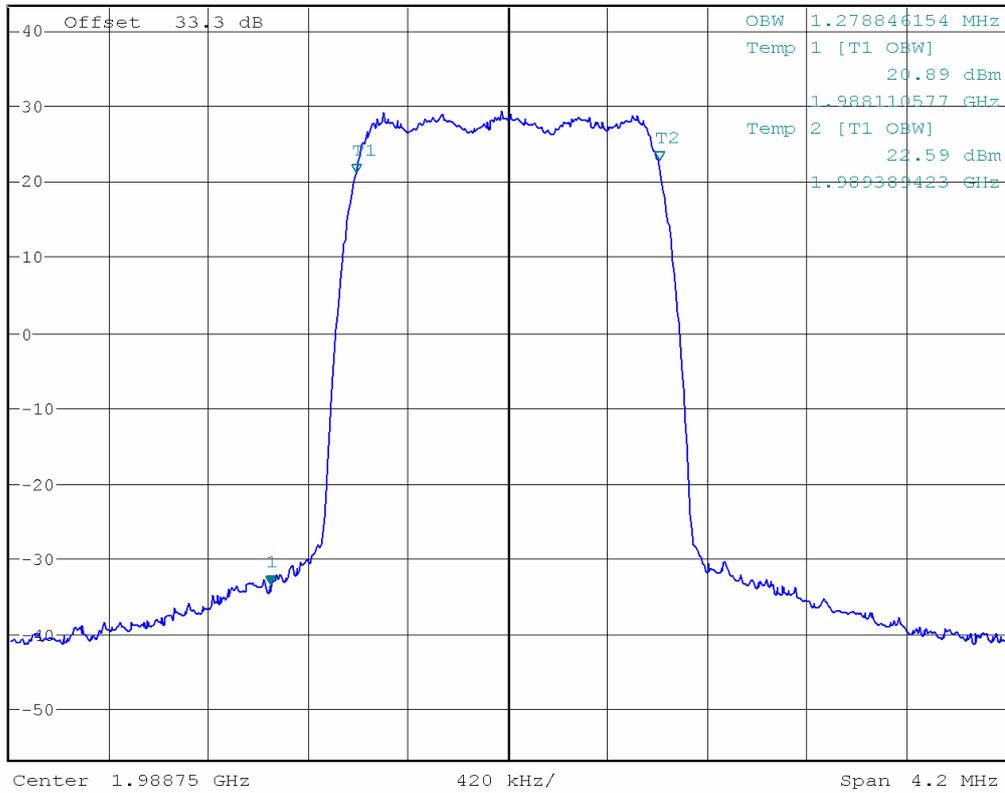
* SWT 100 ms

1.987750000 GHz

Ref 43.3 dBm

* Att 20 dB

1 RM
AVG



Appendix D

Spurious Emission at Antenna Terminal Measurements

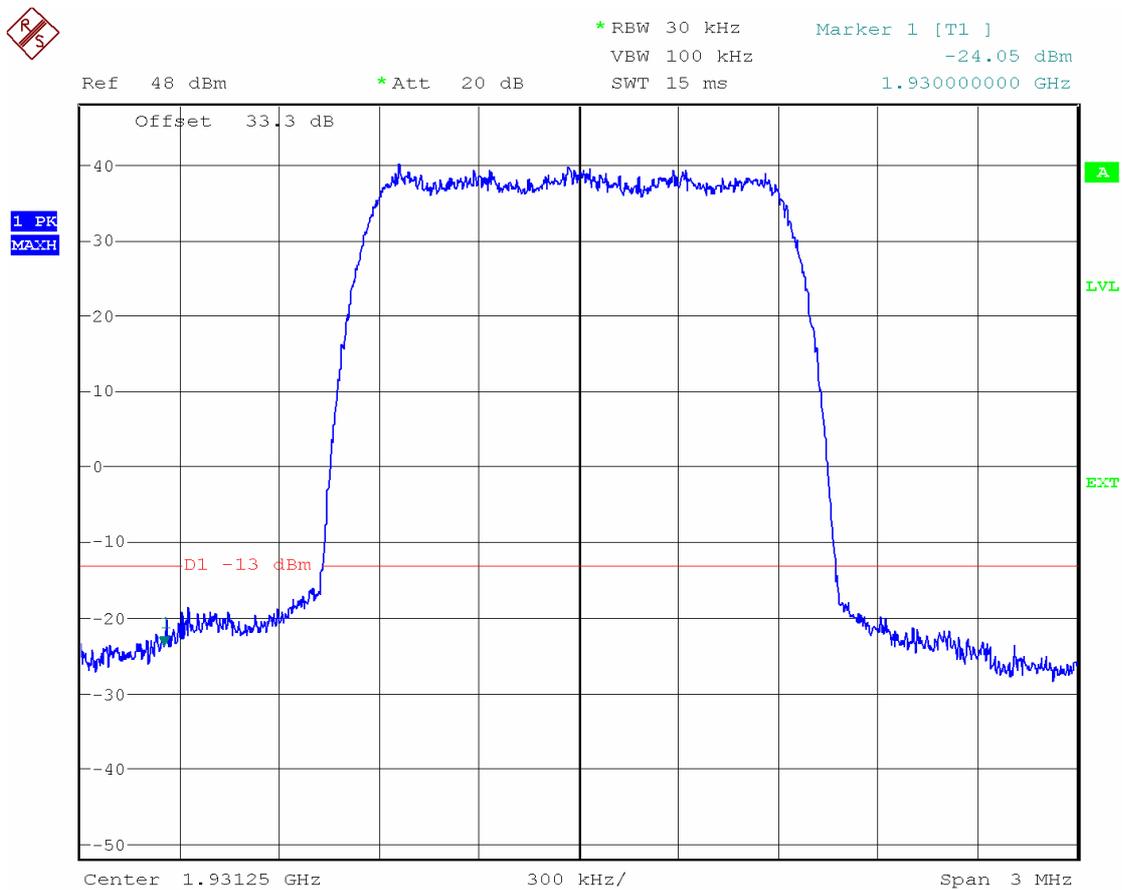
According to CFR 47 (FCC) part 2.1051

Measurement Result at Block Edge

A 、 Test Record For Single Carrier

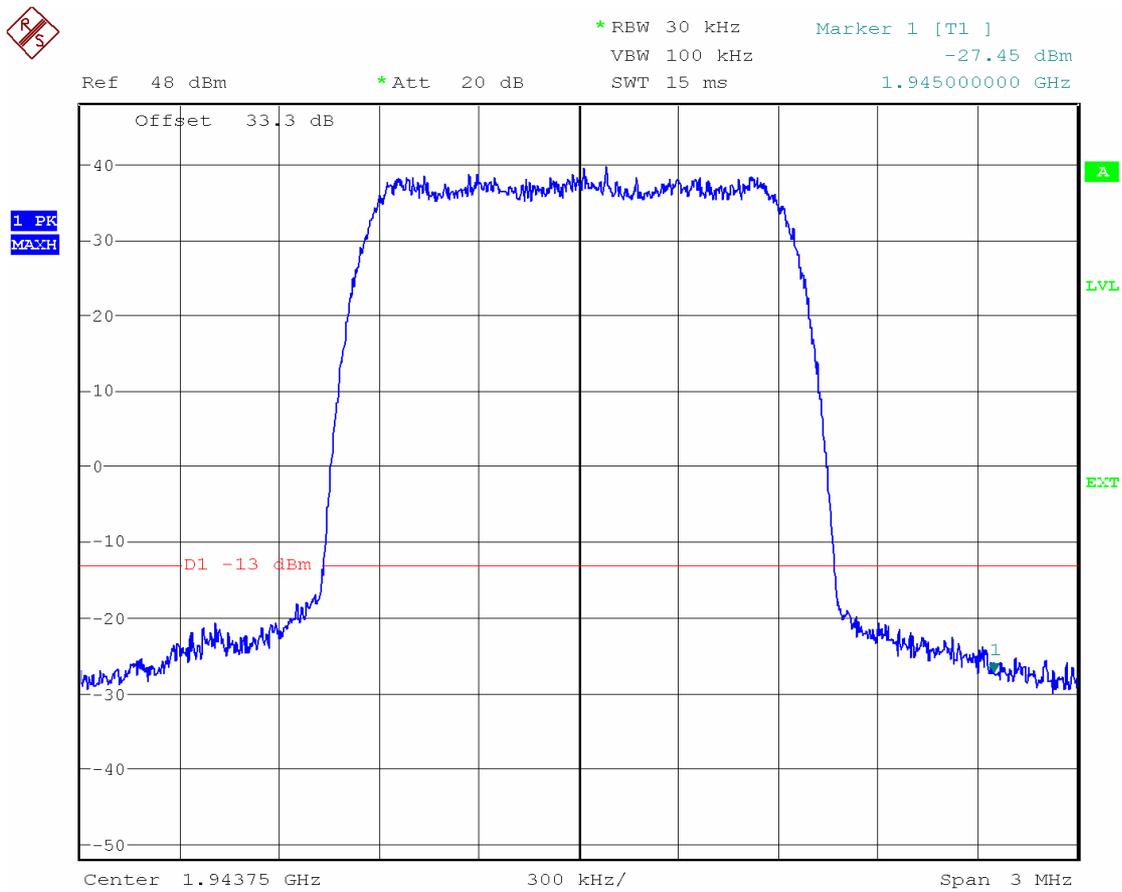
Block A, Left Edge (1930MHz)

Channel 25



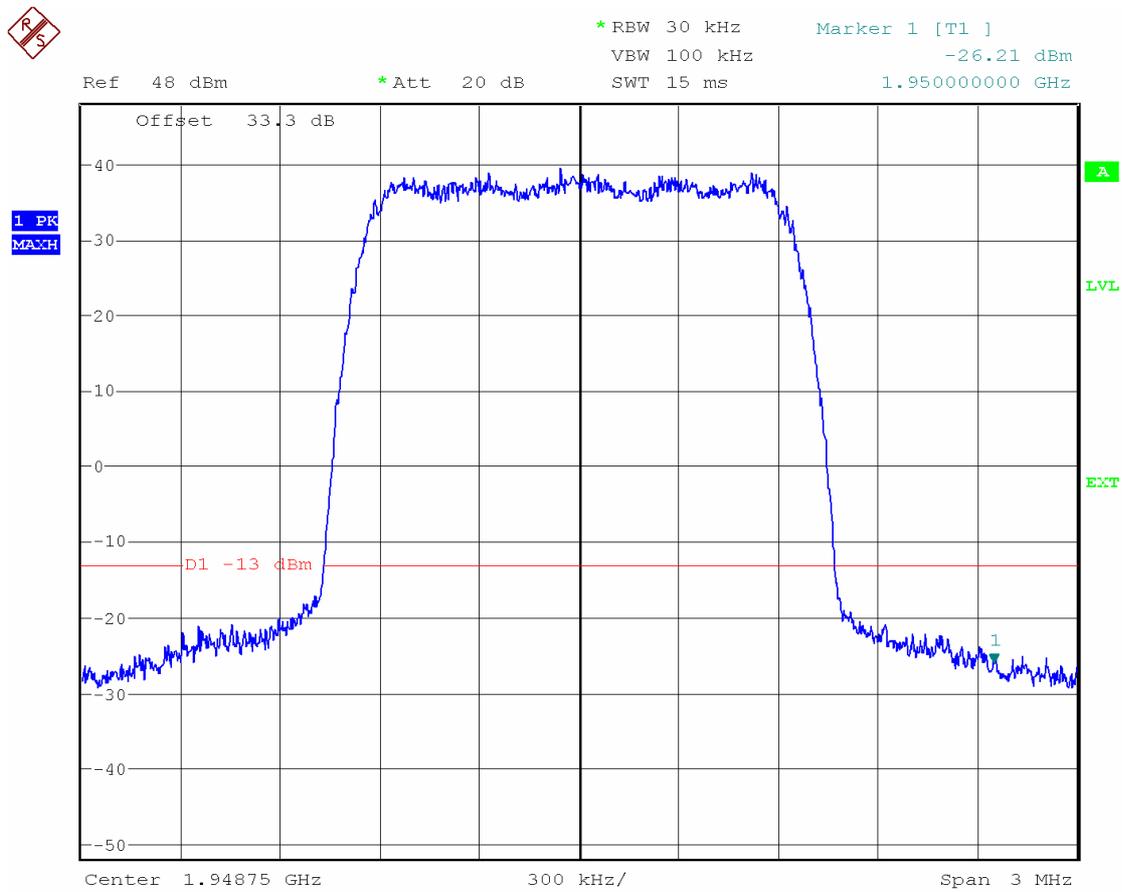
Block A, Right Edge (1945MHz)

Channel 275



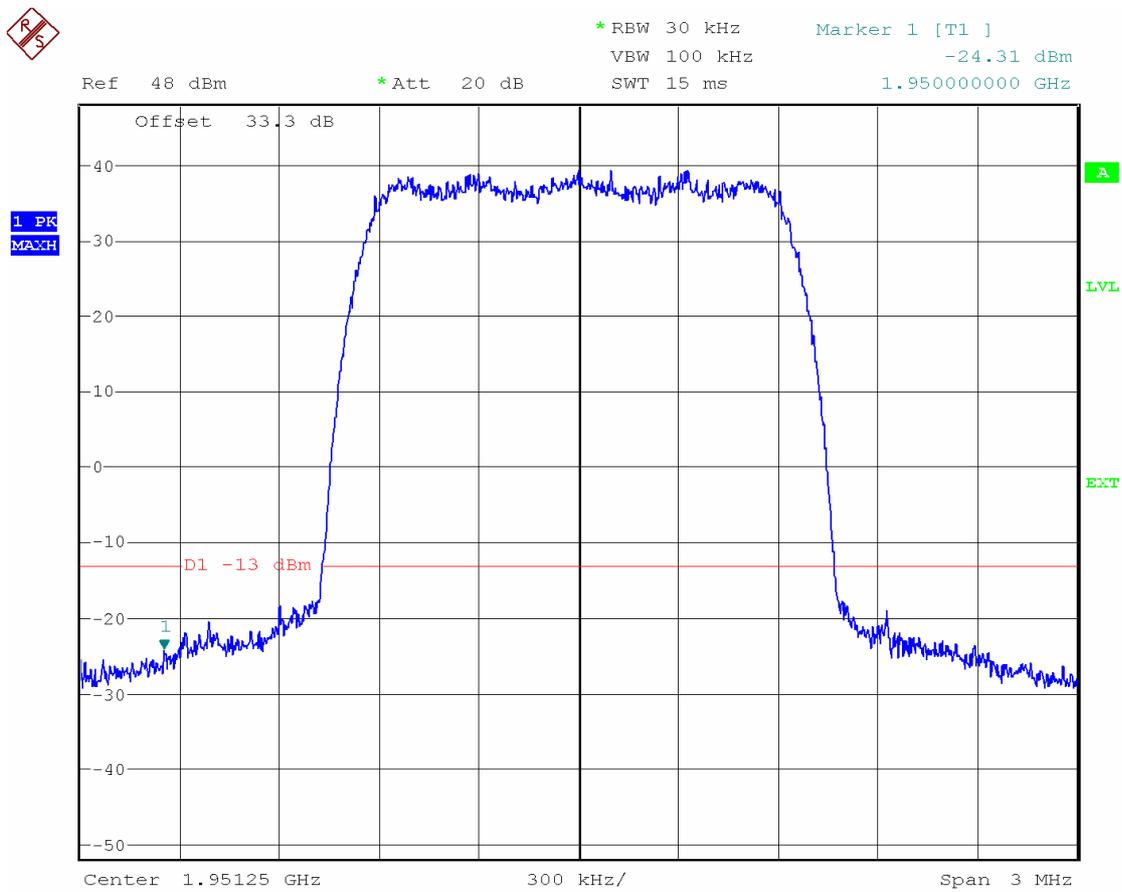
Block D, Right Edge (1950MHz)

Channel 375



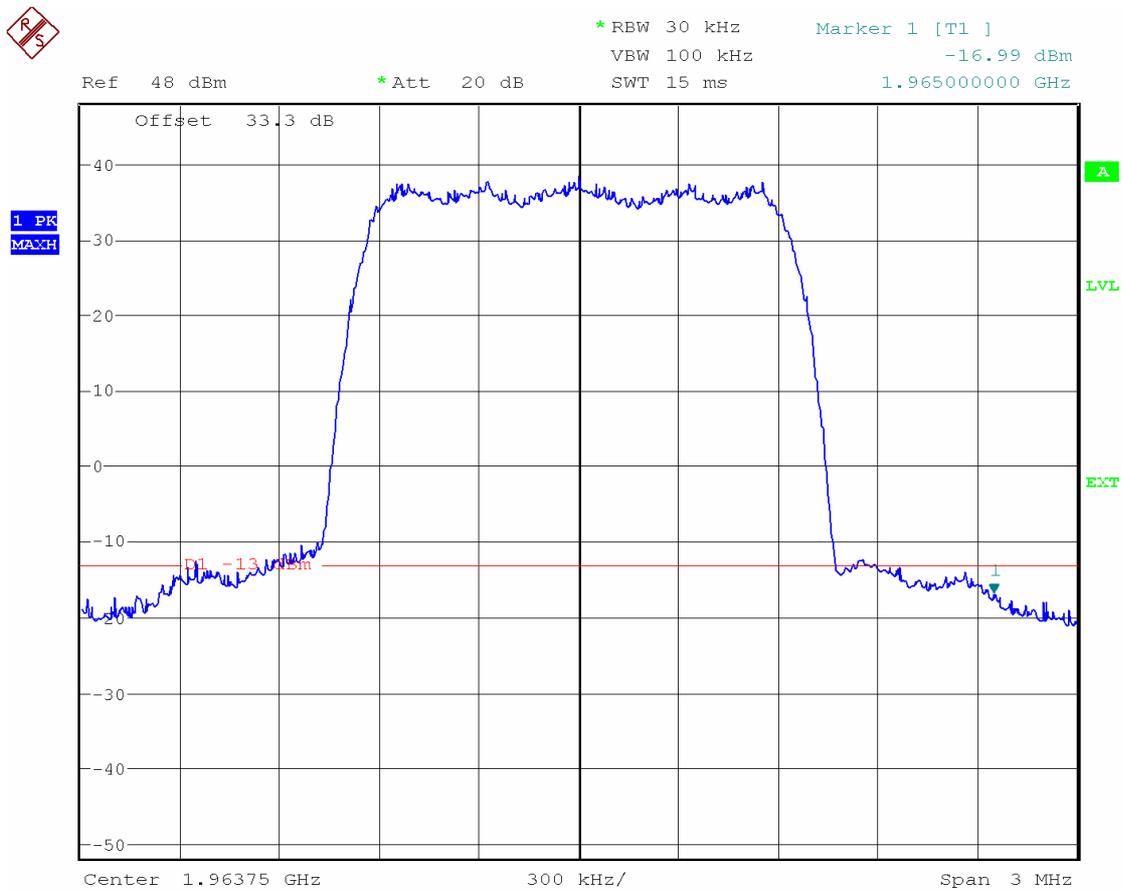
Block B, Left Edge (1950MHz)

Channel 425



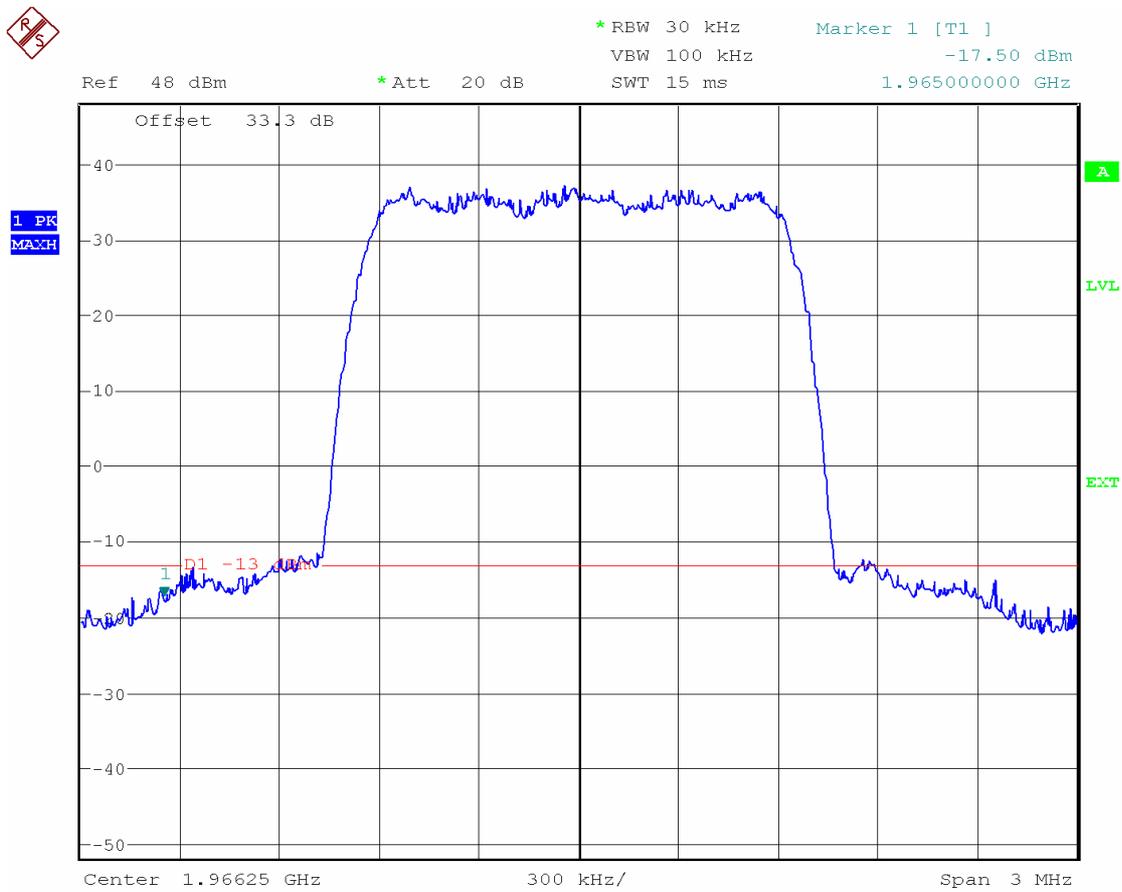
Block B, Right Edge (1965MHz)

Channel 675



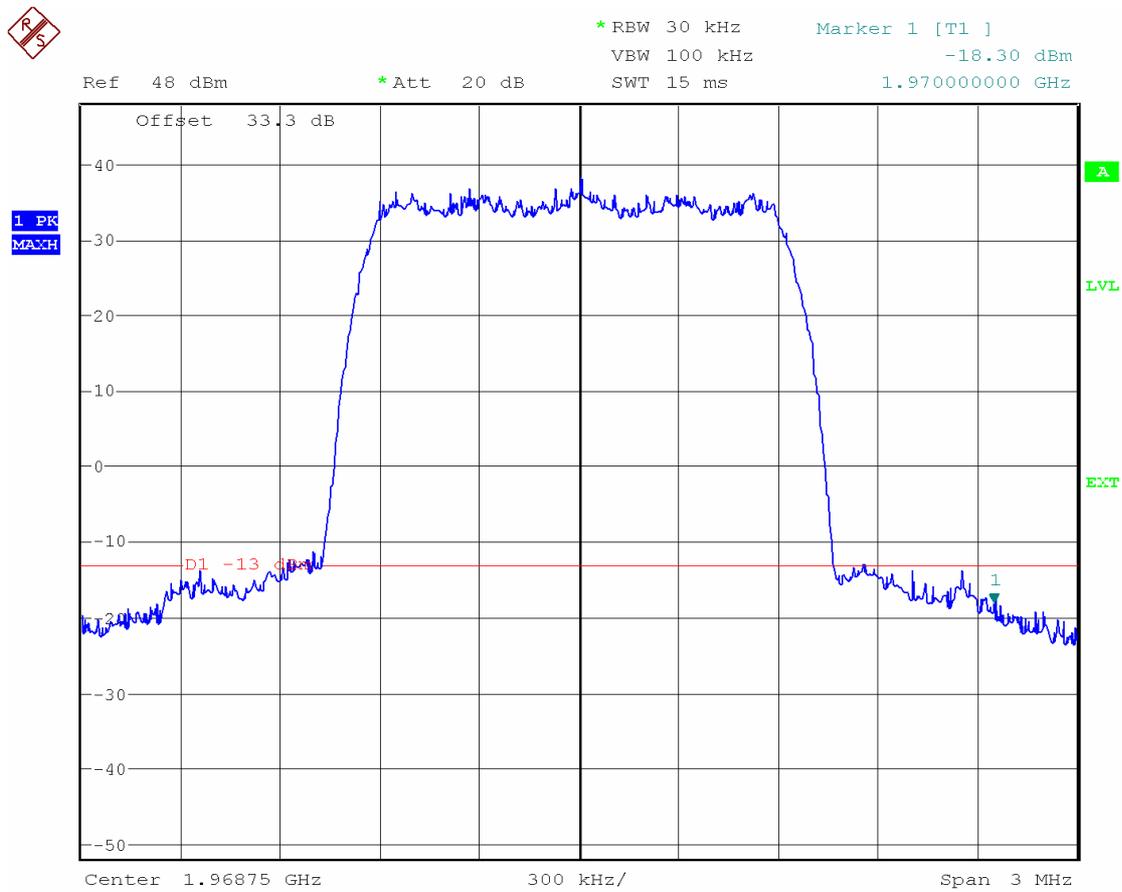
Block E, Left Edge (1965MHz)

Channel 725



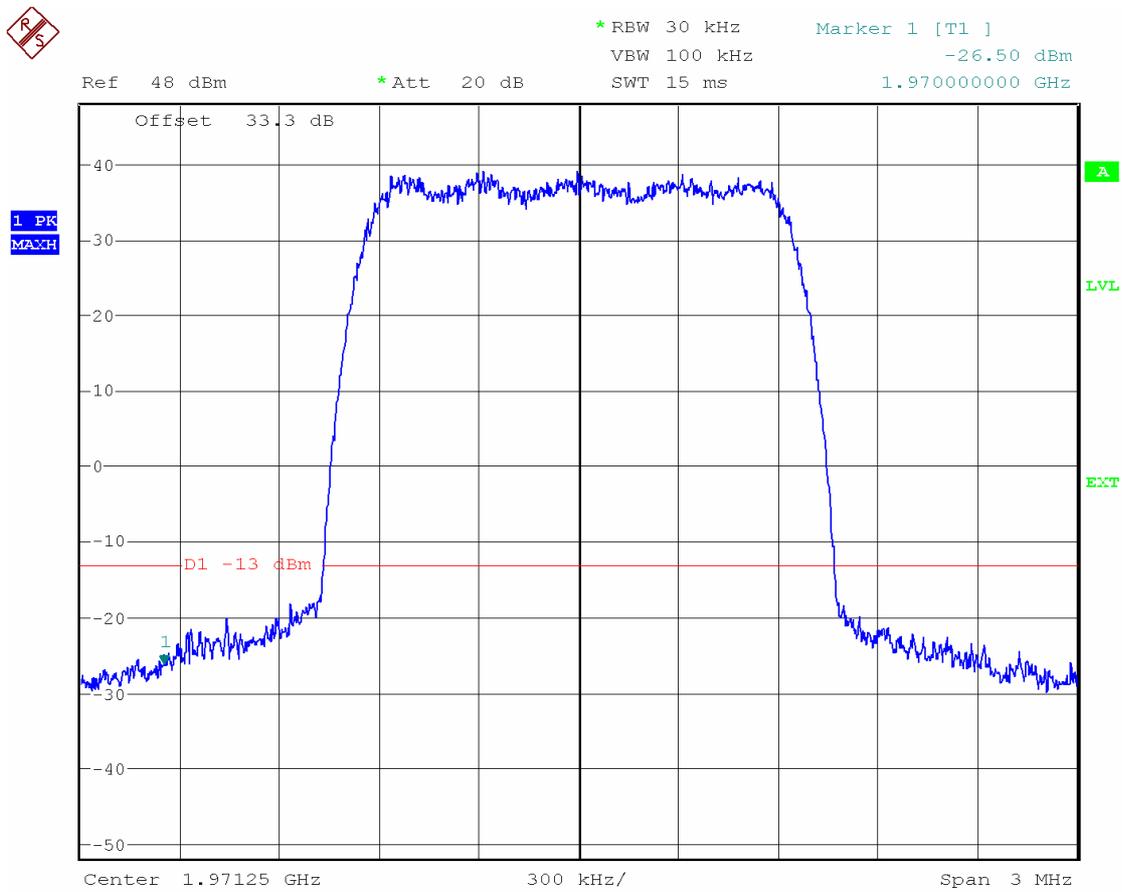
Block E, Right Edge (1970MHz)

Channel 775



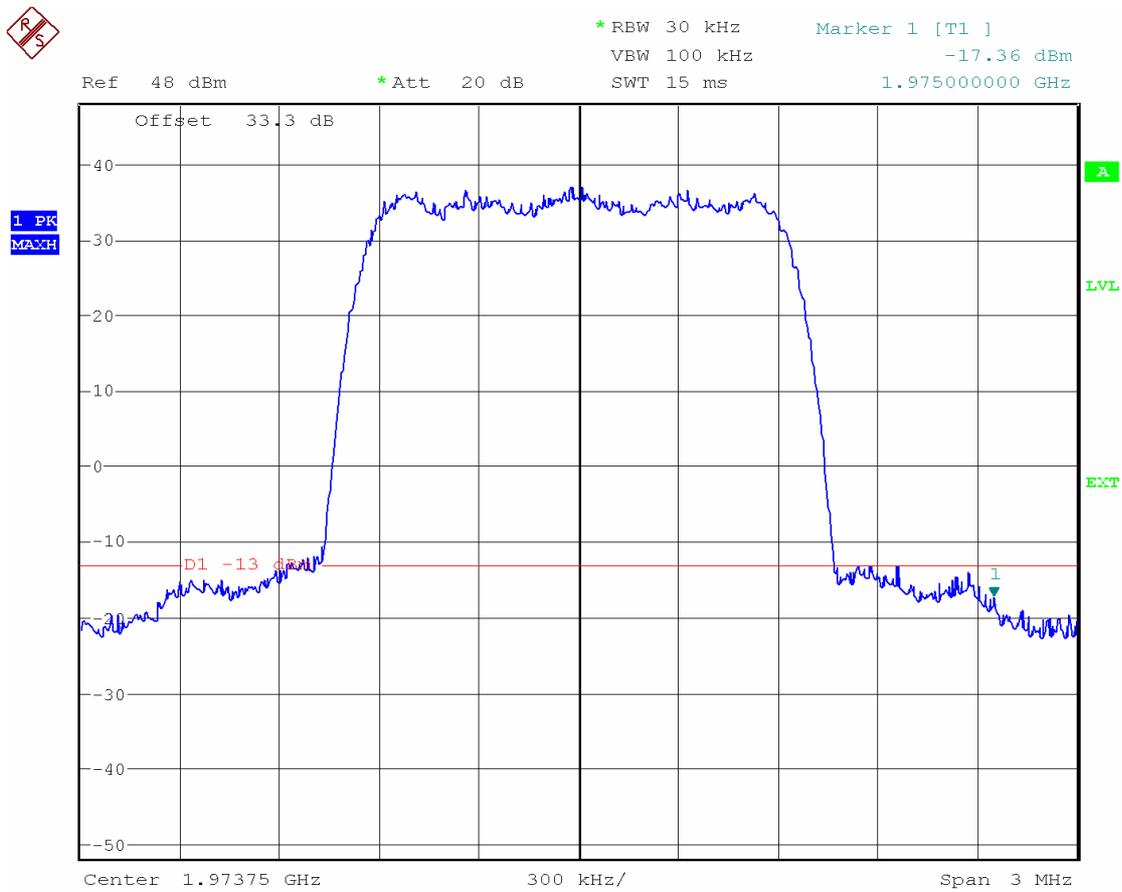
Block F, Left Edge (1970MHz)

Channel 825



Block F, Right Edge (1975MHz)

Channel 875



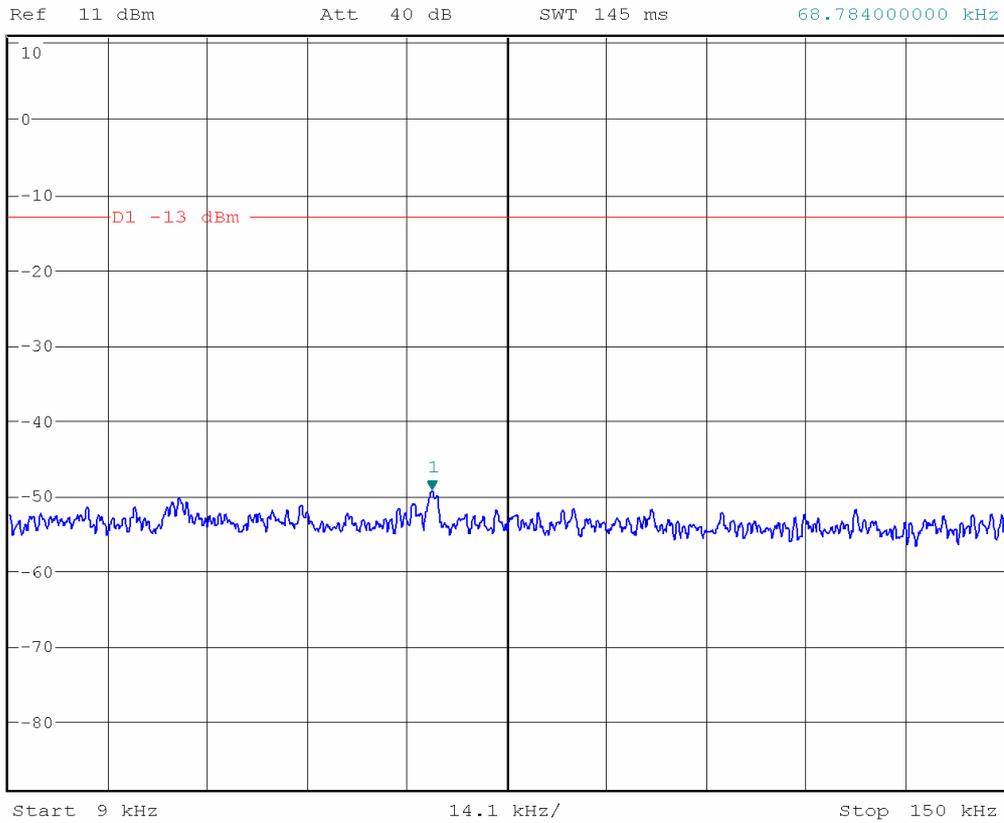
Measurement Result Outband Band Edge

Channel 600



*RBW 1 kHz
VBW 3 kHz
SWT 145 ms

Marker 1 [T1]
-49.44 dBm
68.784000000 kHz



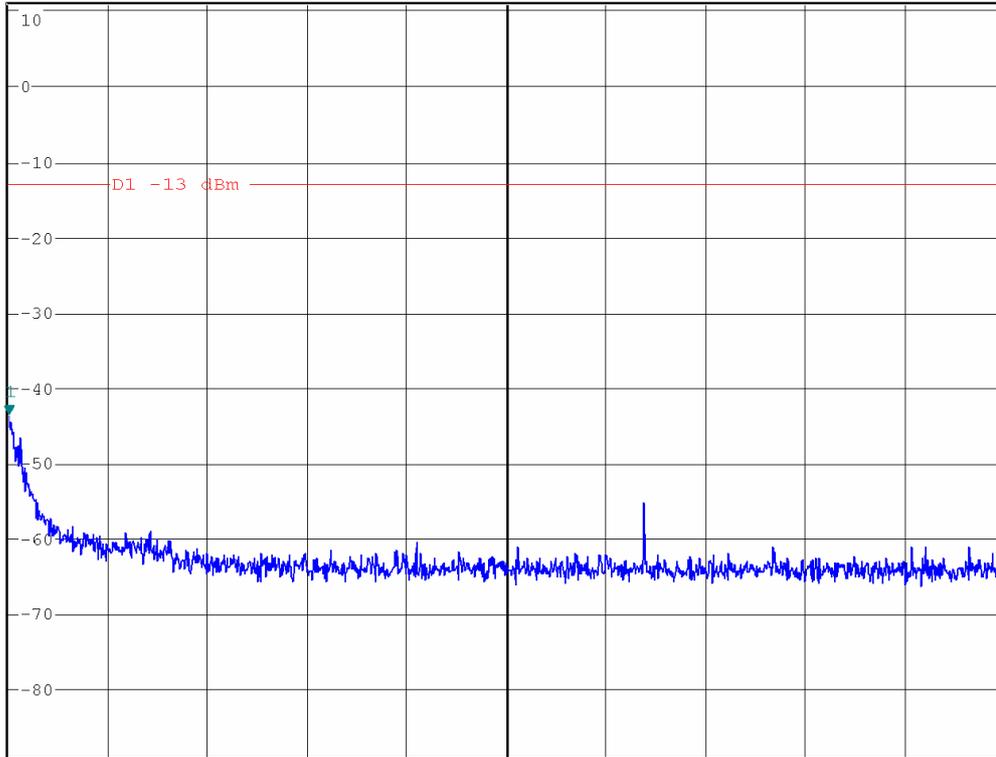


*RBW 10 kHz Marker 1 [T1]
VBW 30 kHz -43.67 dBm
SWT 300 ms 150.00000000 kHz

Ref 11 dBm

Att 40 dB

1 PK
MAXH



Start 150 kHz

2.985 MHz/

Stop 30 MHz

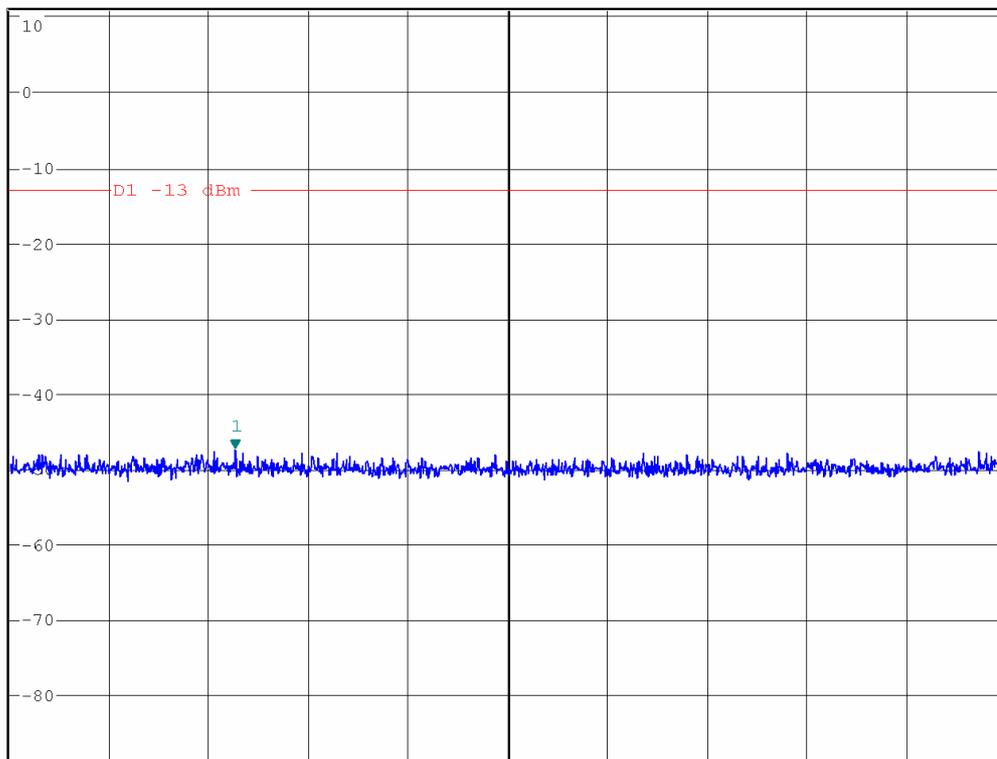


* RBW 100 kHz Marker 1 [T1]
VBW 300 kHz -47.53 dBm
SWT 100 ms 249.608000000 MHz

Ref 11 dBm

Att 40 dB

1 PK
MATCH



Start 30 MHz

97 MHz/

Stop 1 GHz

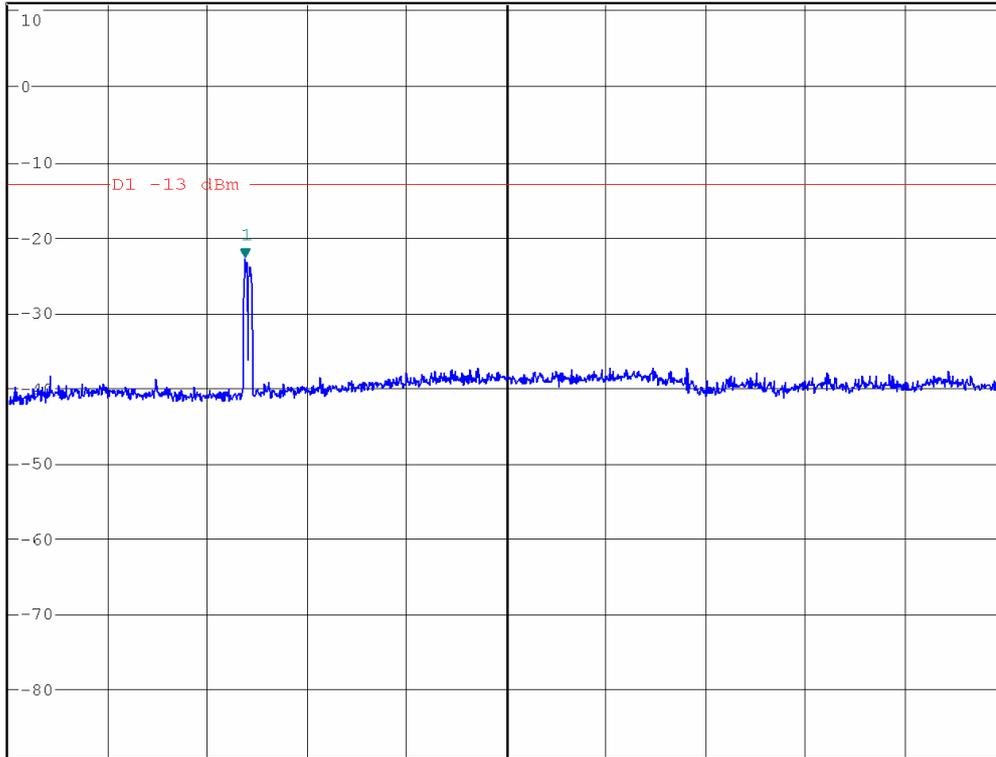


* RBW 1 MHz
VBW 3 MHz
SWT 25 ms
Marker 1 [T1]
-22.84 dBm
1.947200000 GHz

Ref 11 dBm

Att 40 dB

1 PK
MAXH



Start 1 GHz

400 MHz/

Stop 5 GHz

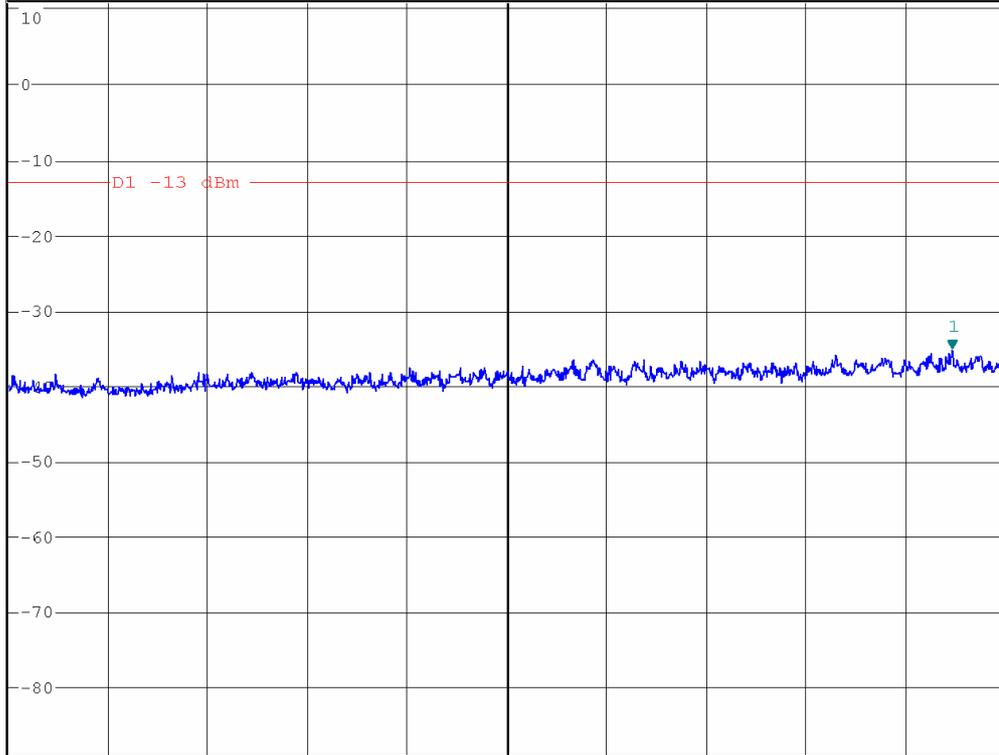


* RBW 1 MHz Marker 1 [T1]
VBW 3 MHz -35.37 dBm
SWT 90 ms 19.208000000 GHz

Ref 11 dBm

Att 40 dB

1 PK
MAXH



Start 5 GHz

1.5 GHz/

Stop 20 GHz

EXT

A

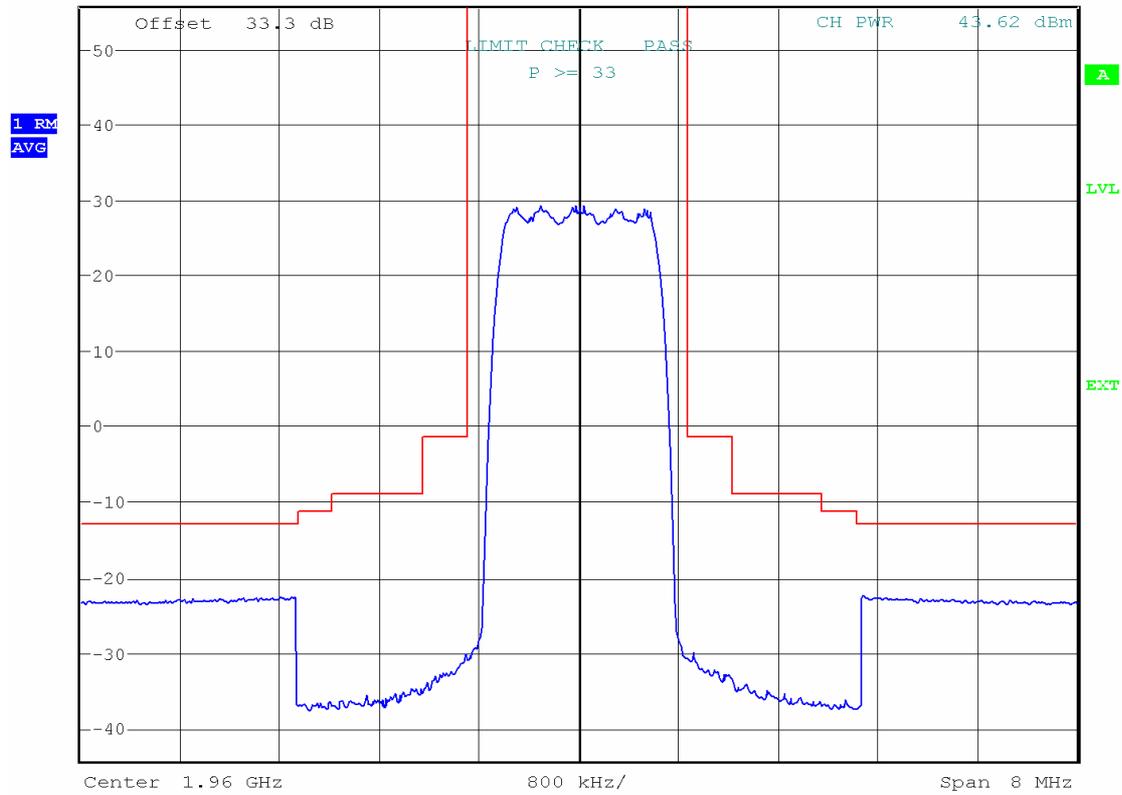
Spectrum Mask Test according to EIA/TIA 97E

Channel 600



BS, 1X, C1 :SP EM MASK

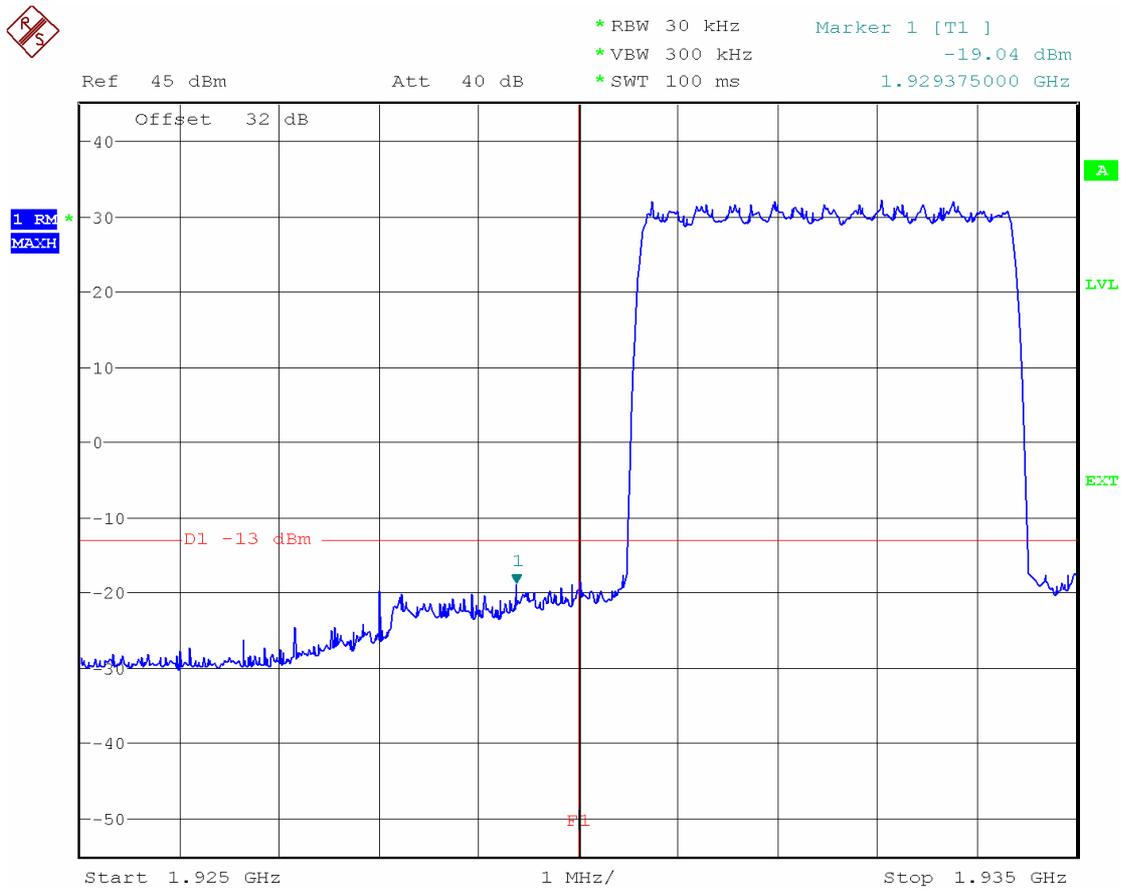
Ref 55.6 dBm *Att 20 dB *SWT 100 ms



B 、 Test Record For Multiple Carrier

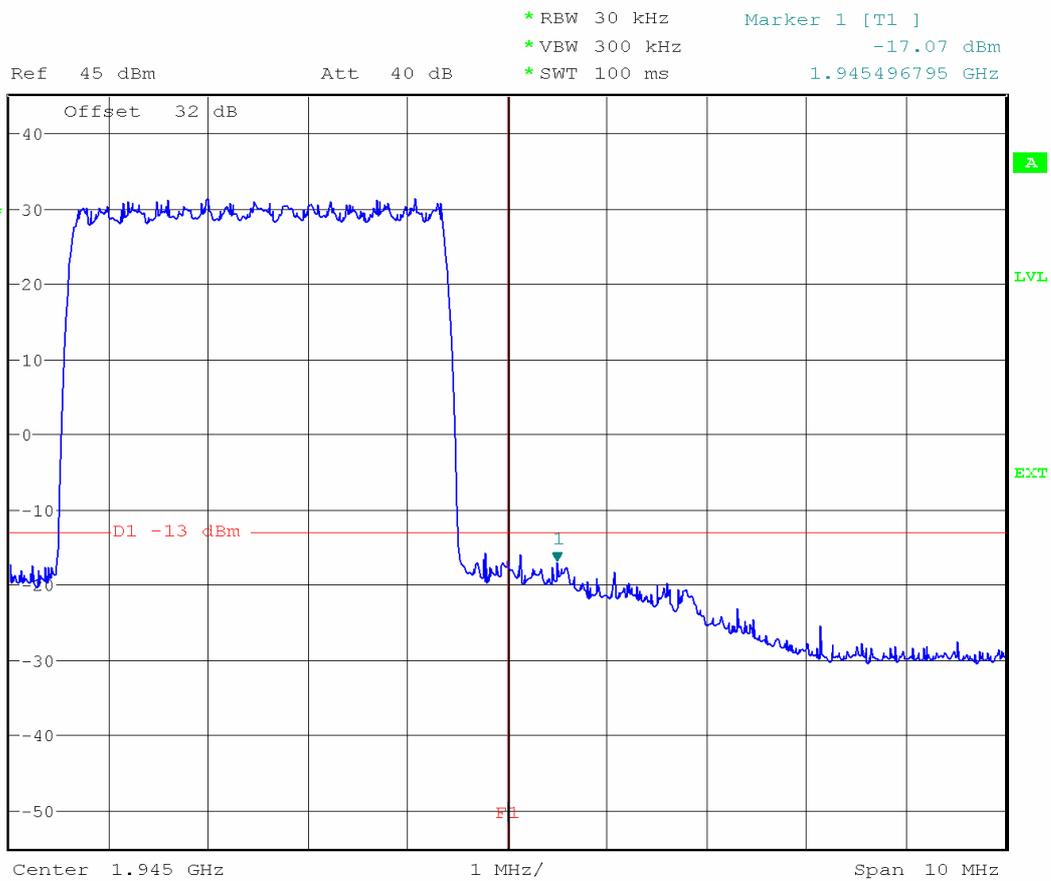
Block A, Left Edge (1930MHz)

Channel 25/50/75



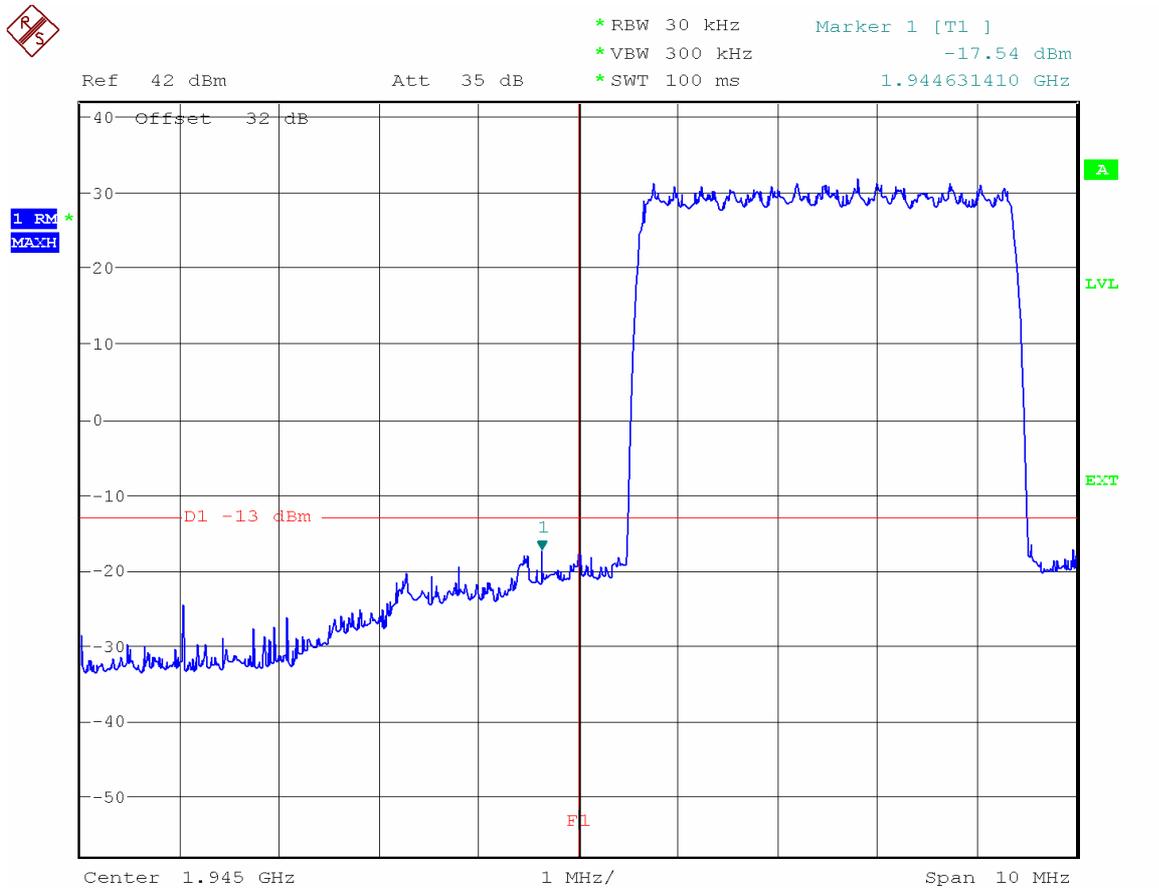
Block A, Right Edge (1945MHz)

Channel 225/250/275



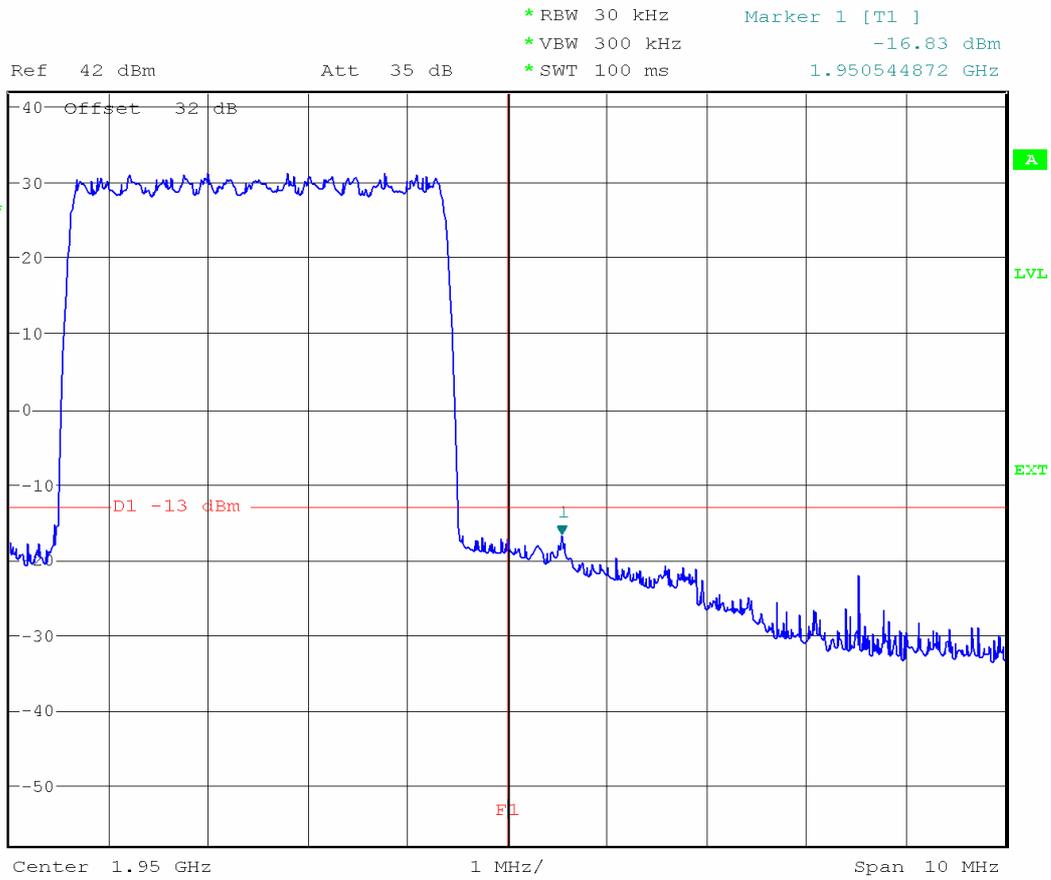
Block D, Left Edge (1945MHz)

Channel 325/350/375



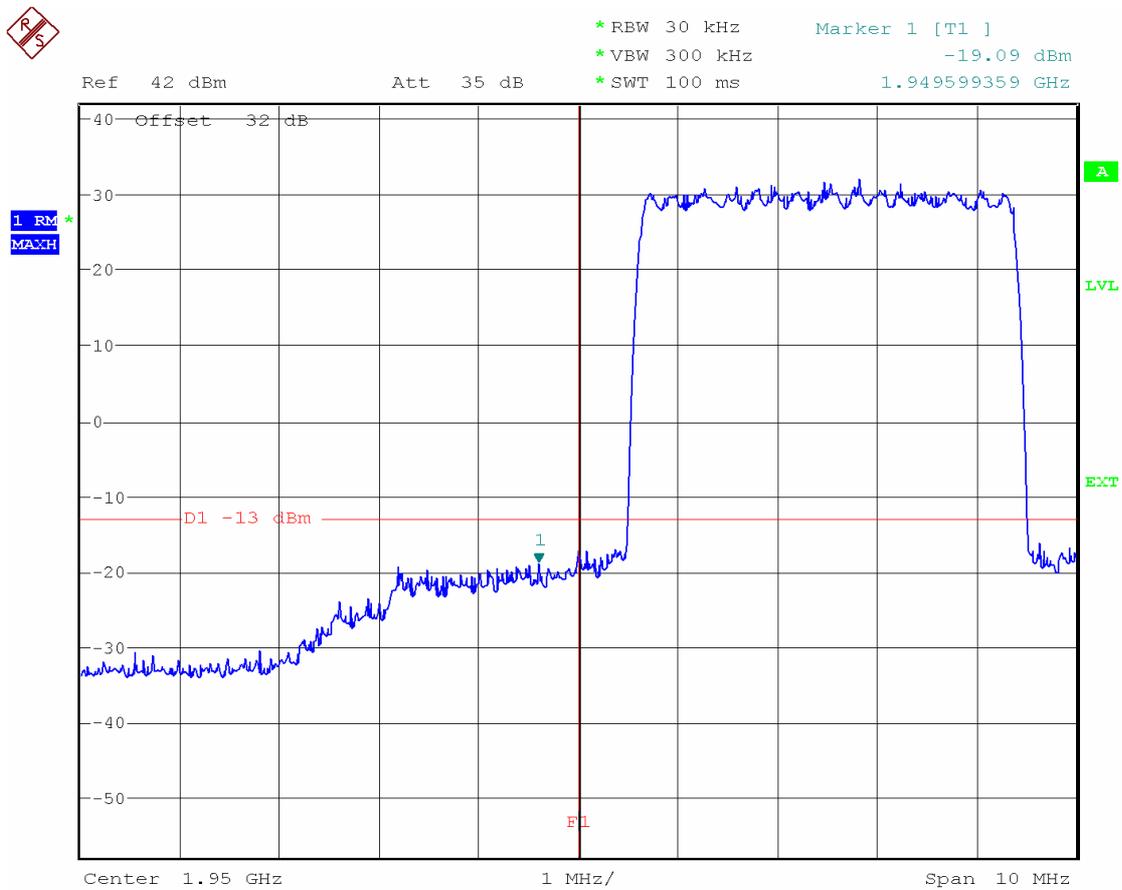
Block D, Right Edge (1950MHz)

Channel 325/350/375



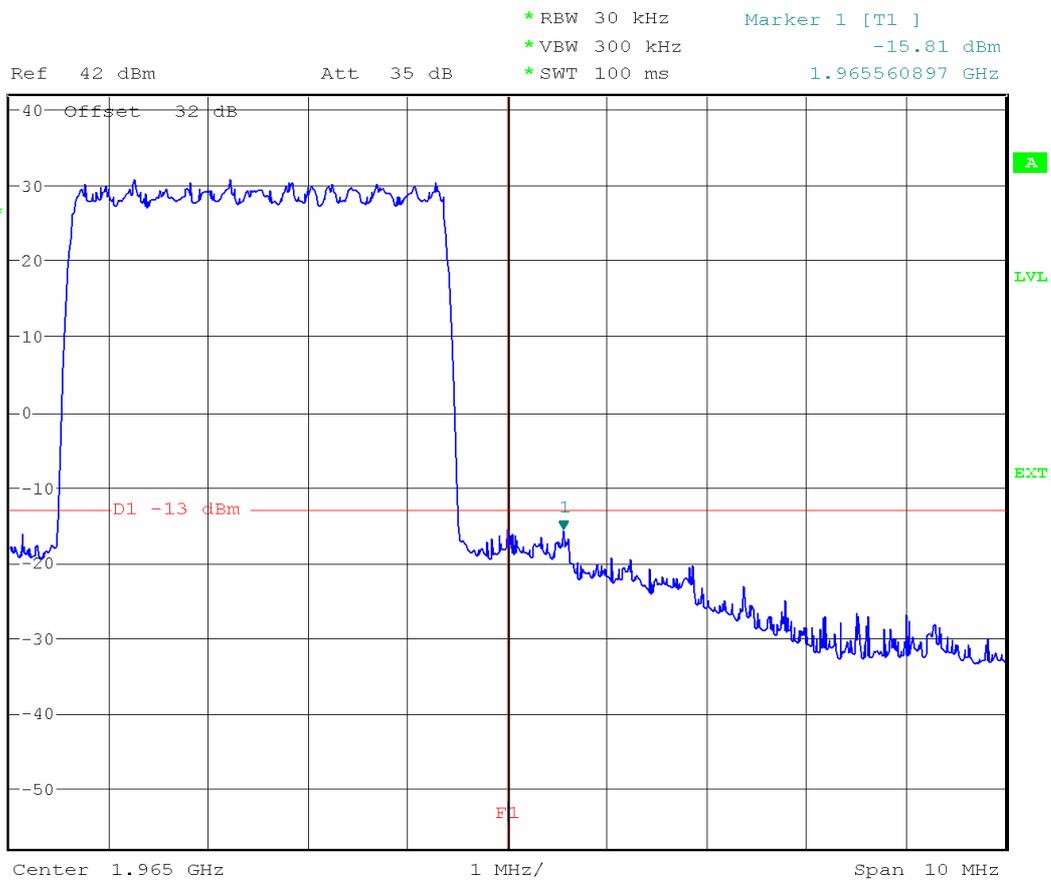
Block B, Left Edge (1950MHz)

Channel 425/450/475



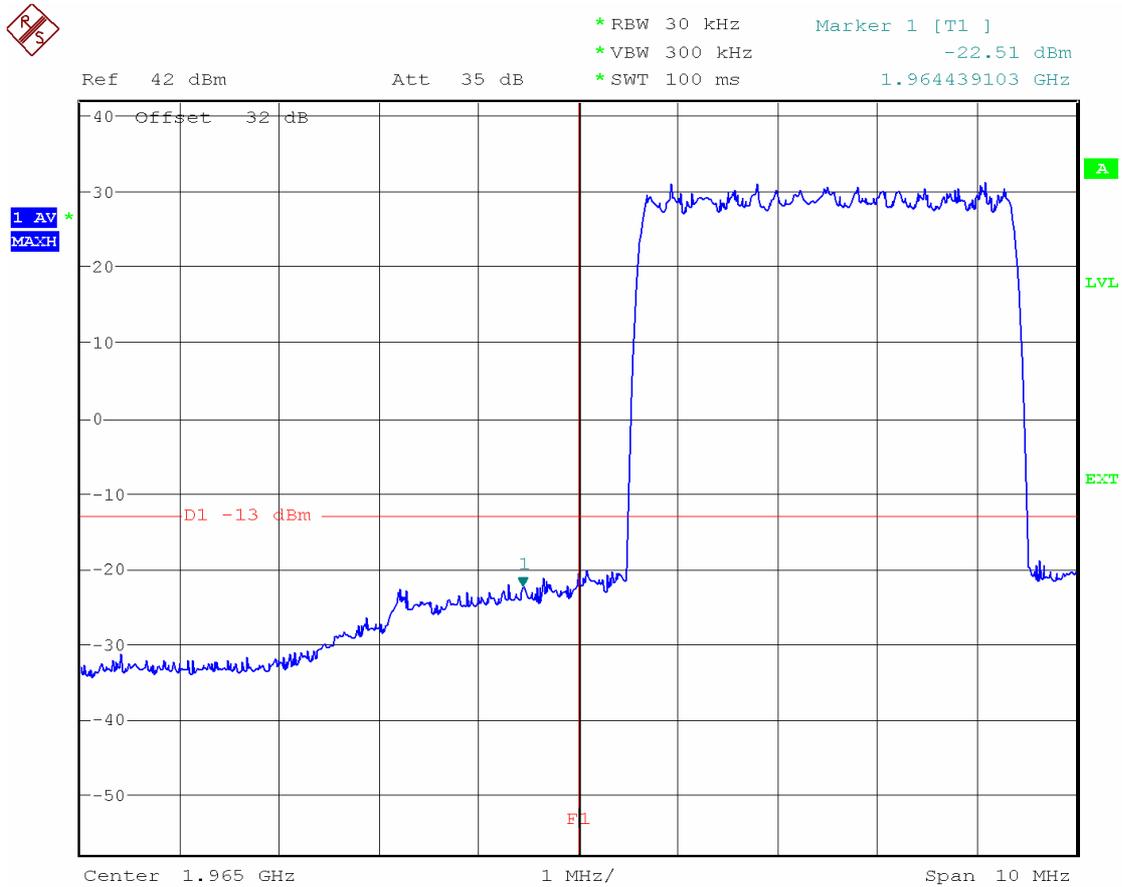
Block B, Right Edge (1965MHz)

Channel 625/650/675



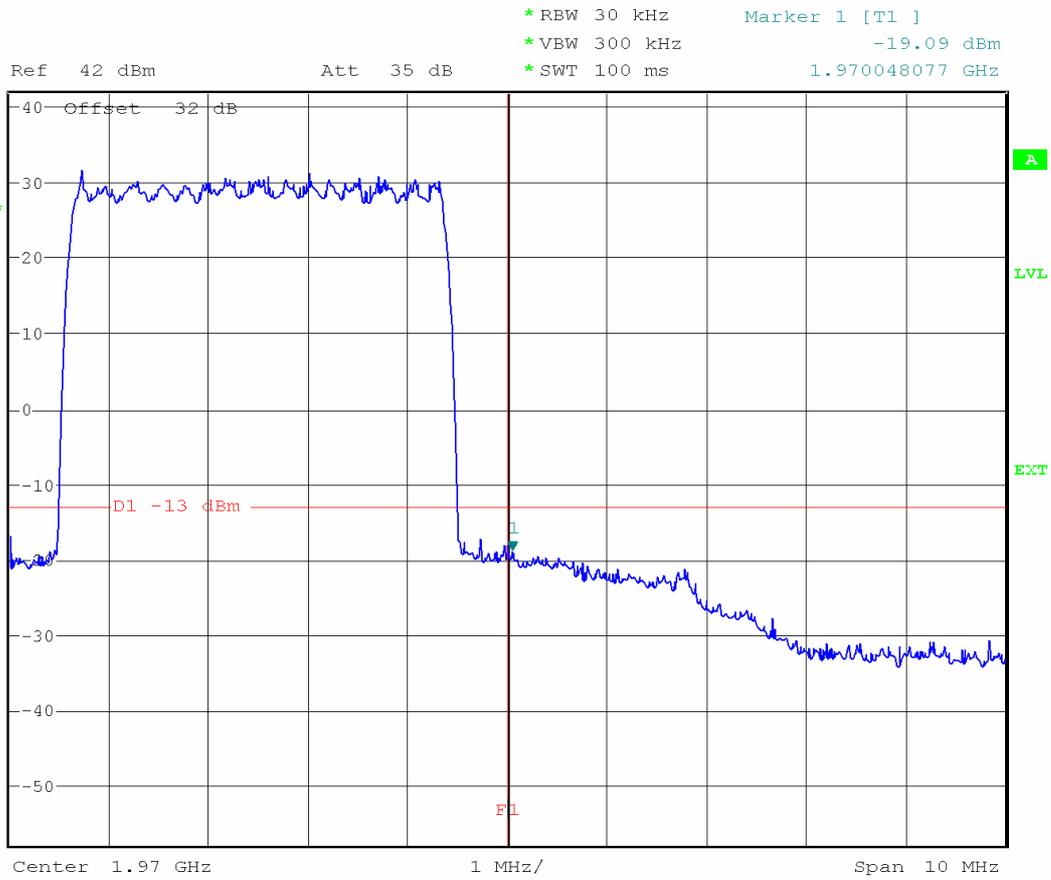
Block E, Left Edge (1965MHz)

Channel 725/750/775



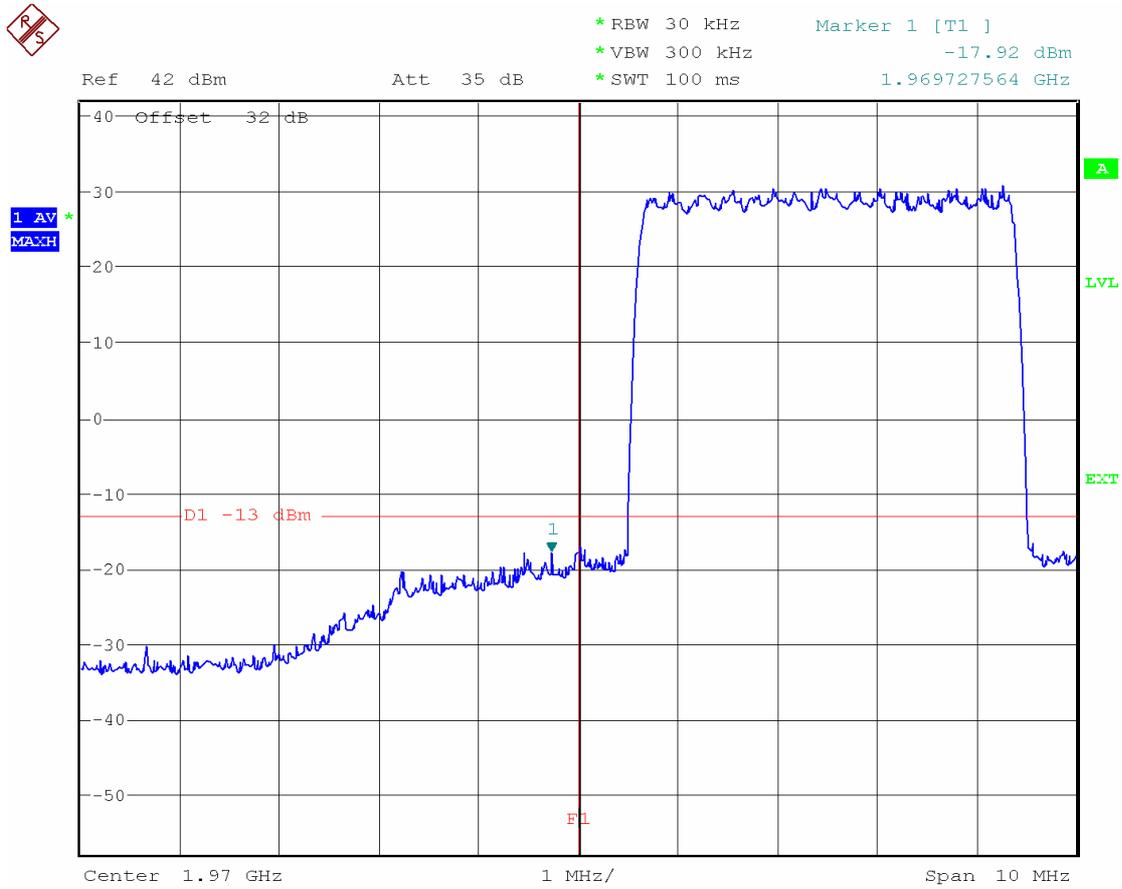
Block E, Right Edge (1970MHz)

Channel 725/750/775



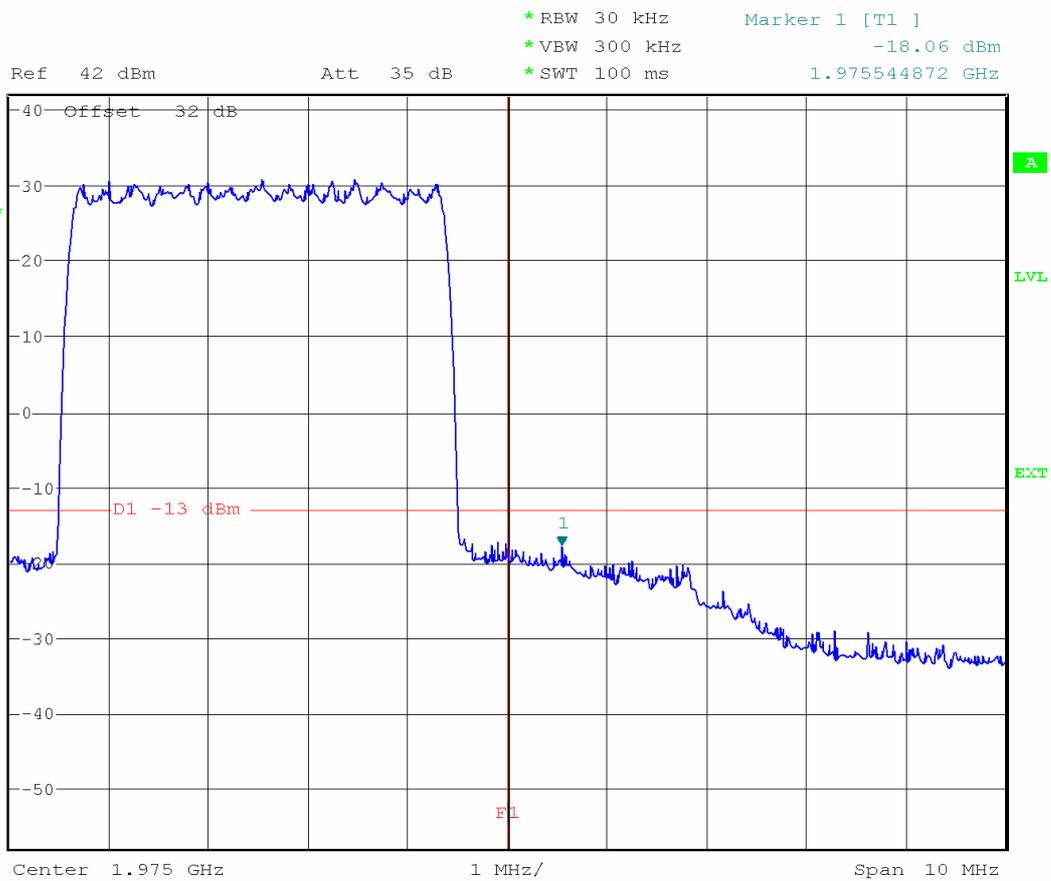
Block F, Left Edge (1970MHz)

Channel 825/850/875



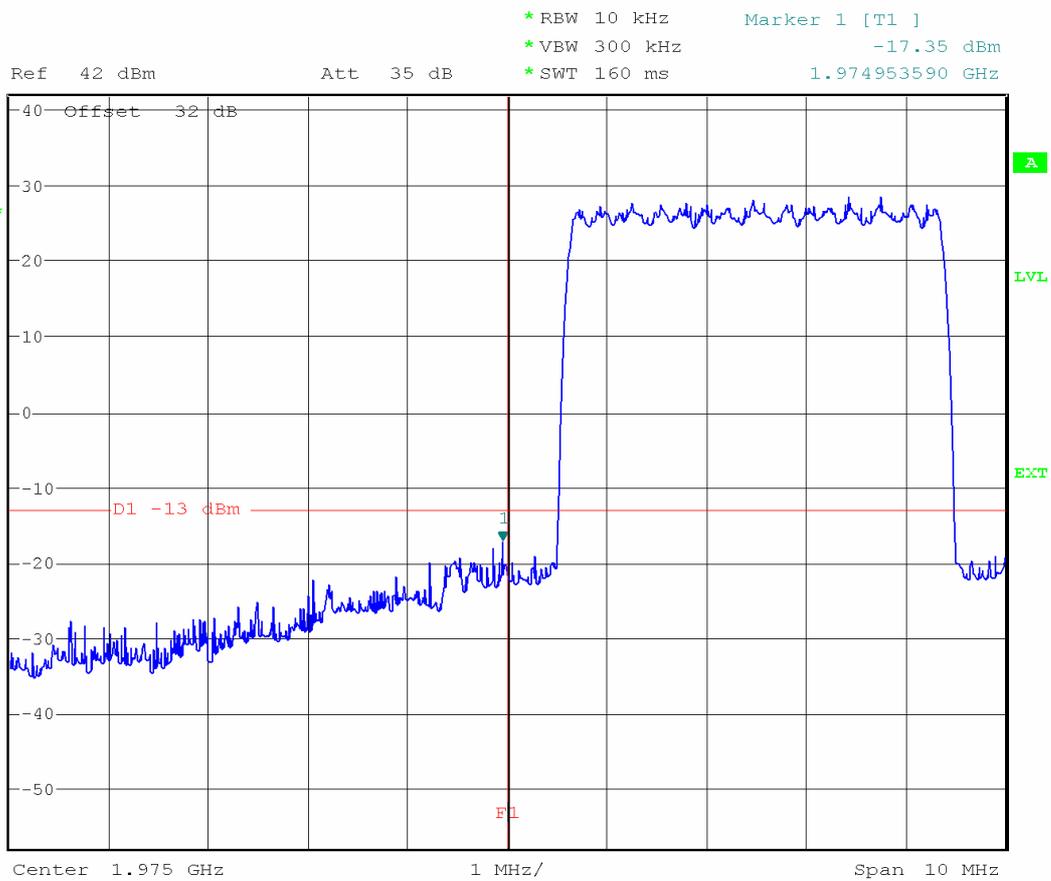
Block F, Right Edge (1975MHz)

Channel 825/850/875



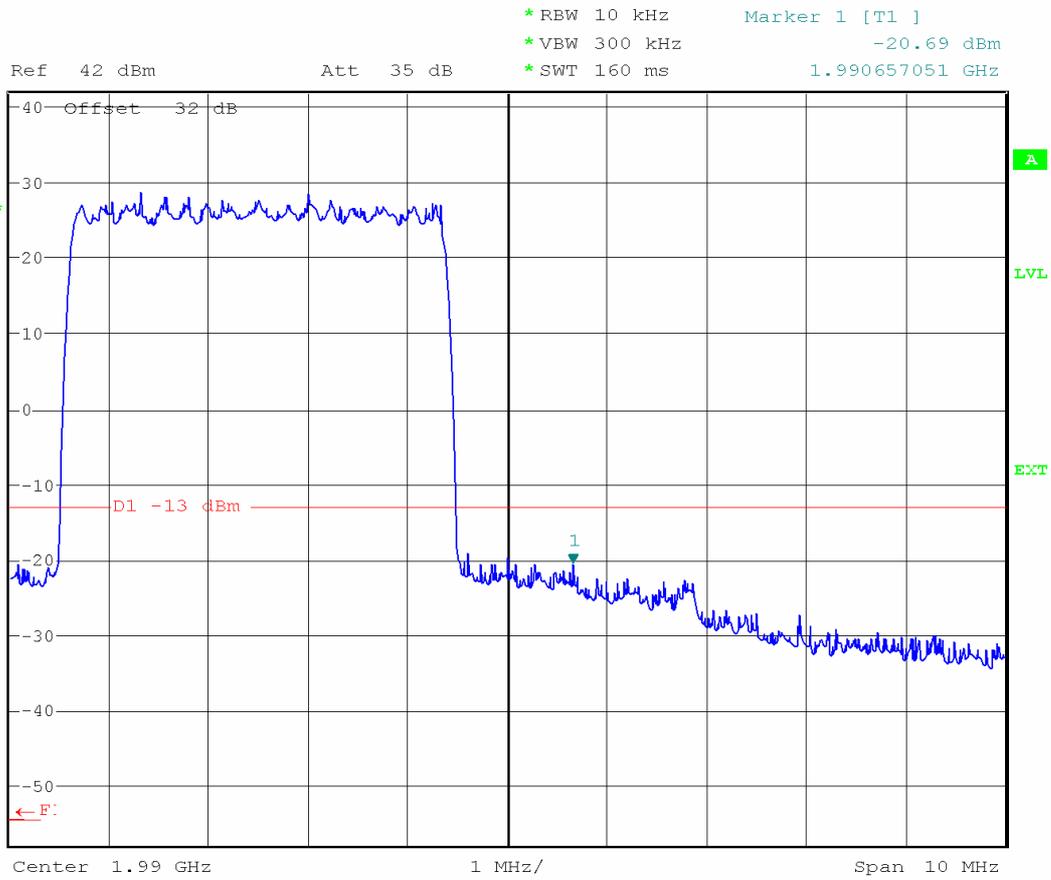
Block C, Left Edge (1975MHz)

Channel 925/950/975



Block C, Right Edge (1990MHz)

Channel 1125/1150/1175



Measurement Result Outband Band Edge

Channel 575/600/625

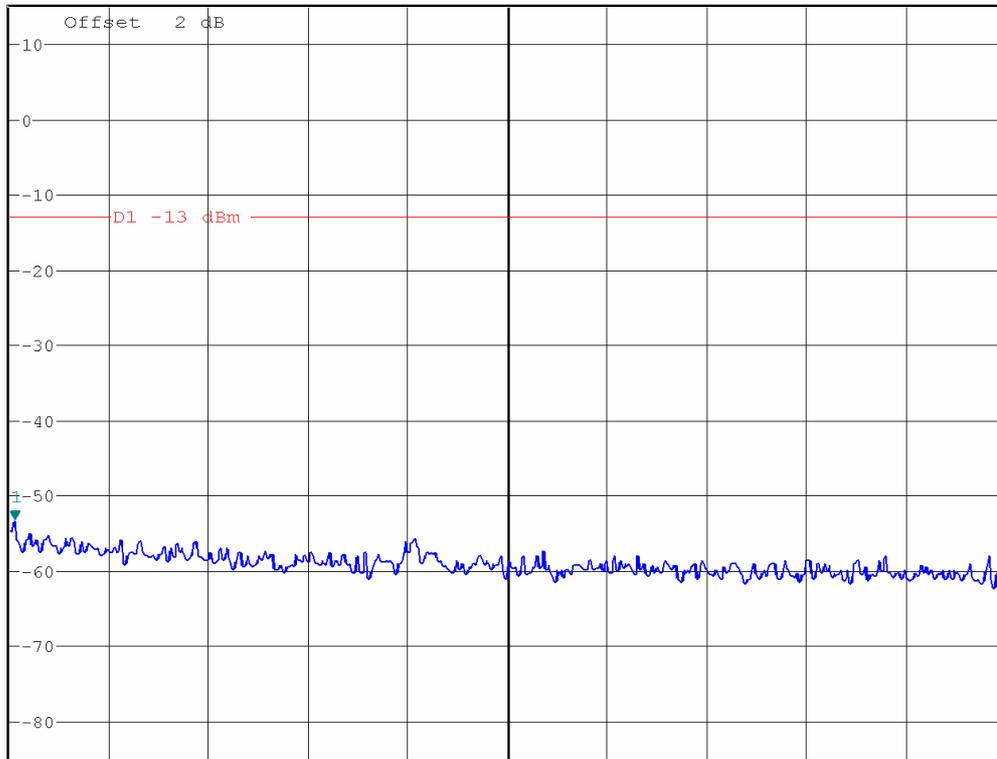


*RBW 1 kHz
VBW 3 kHz
SWT 145 ms

Marker 1 [T1]
-53.43 dBm
9.677884615 kHz

Ref 15 dBm Att 40 dB

1 PK
MAXH



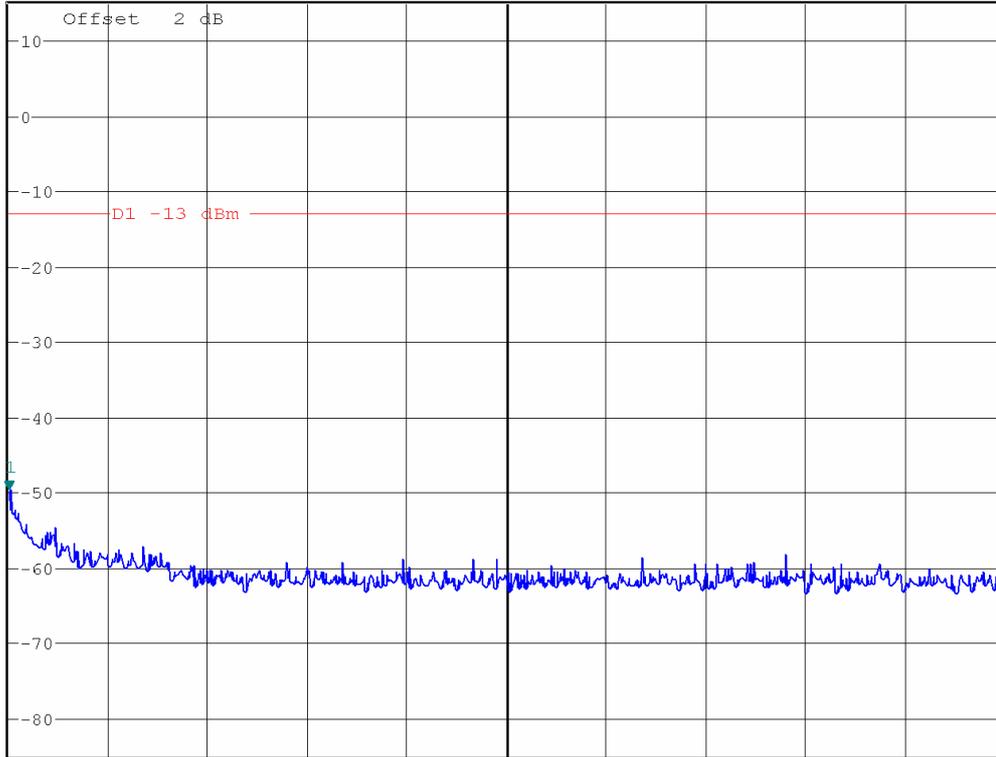
Center 79.5 kHz 14.1 kHz/ Span 141 kHz



*RBW 10 kHz Marker 1 [T1]
VBW 30 kHz -49.75 dBm
SWT 300 ms 150.000000000 kHz

Ref 15 dBm Att 40 dB Offset 2 dB

1 PK
MAXH

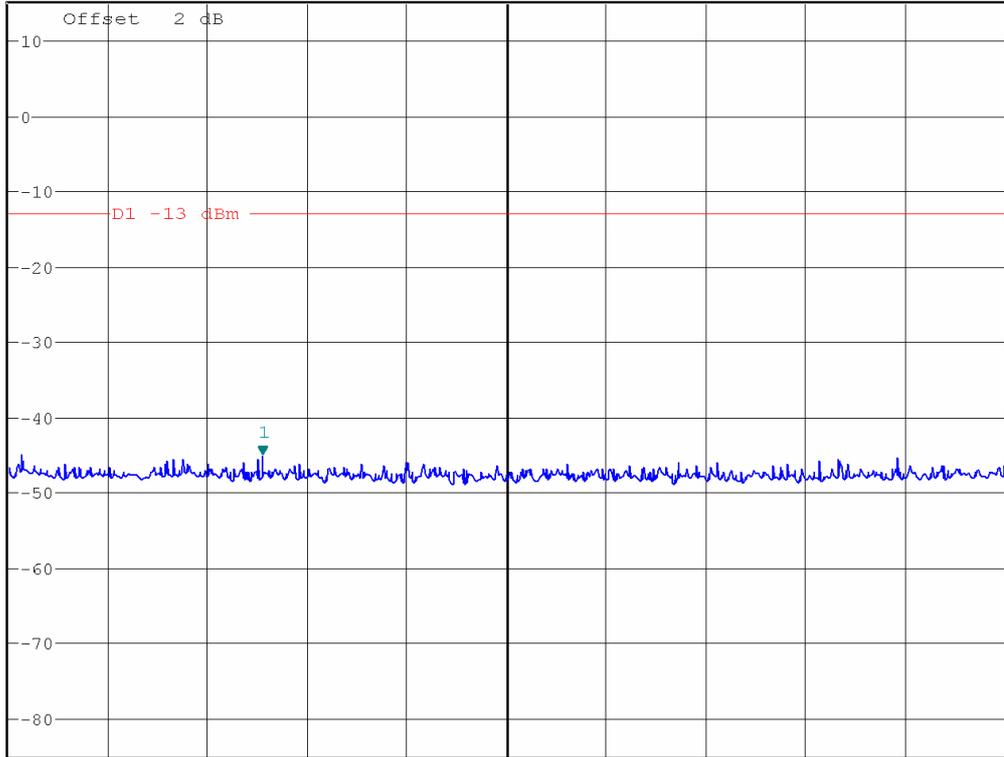


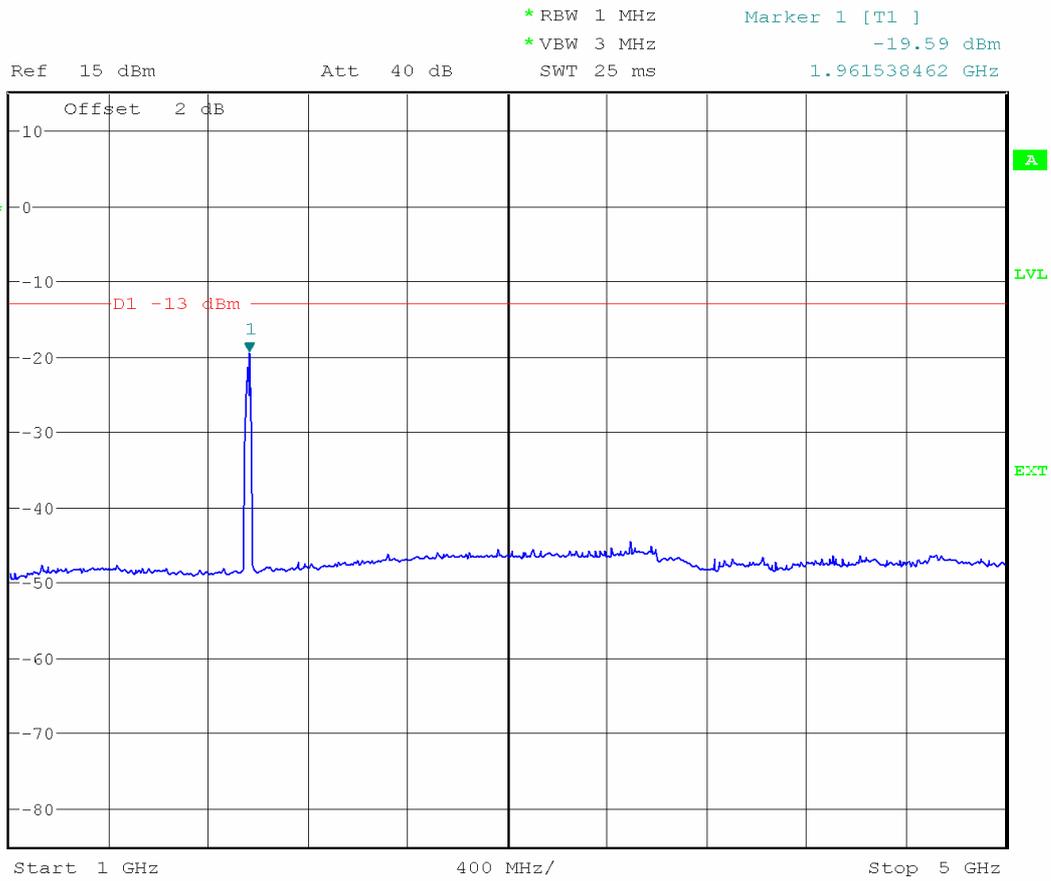
Start 150 kHz 2.985 MHz/ Stop 30 MHz



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz -45.28 dBm
SWT 100 ms 277.163461538 MHz

Ref 15 dBm Att 40 dB





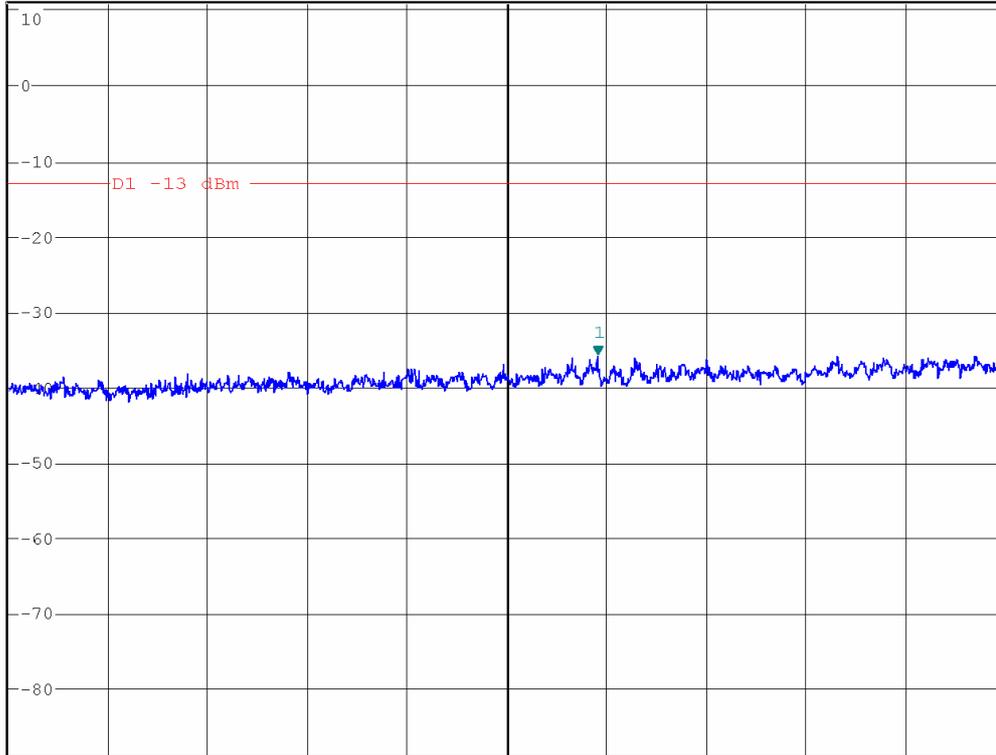


*RBW 1 MHz Marker 1 [T1]
VBW 3 MHz -35.90 dBm
SWT 90 ms 13.868000000 GHz

Ref 11 dBm

Att 40 dB

1 PK
MAXH



Start 5 GHz

1.5 GHz/

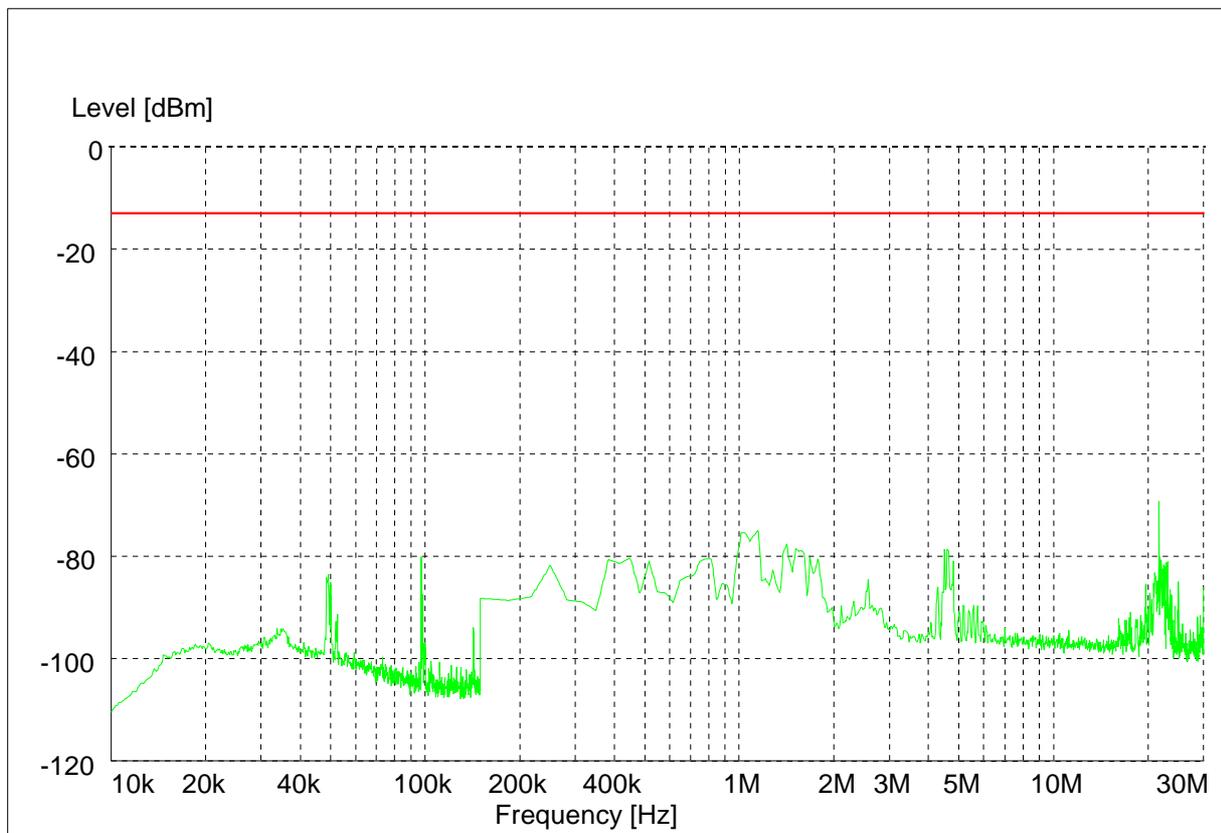
Stop 20 GHz

Appendix E
Field Strength of Spurious Radiation
Measurements
According to CFR 47 (FCC) part 2.1053

The Result of Spurious Radiation Test

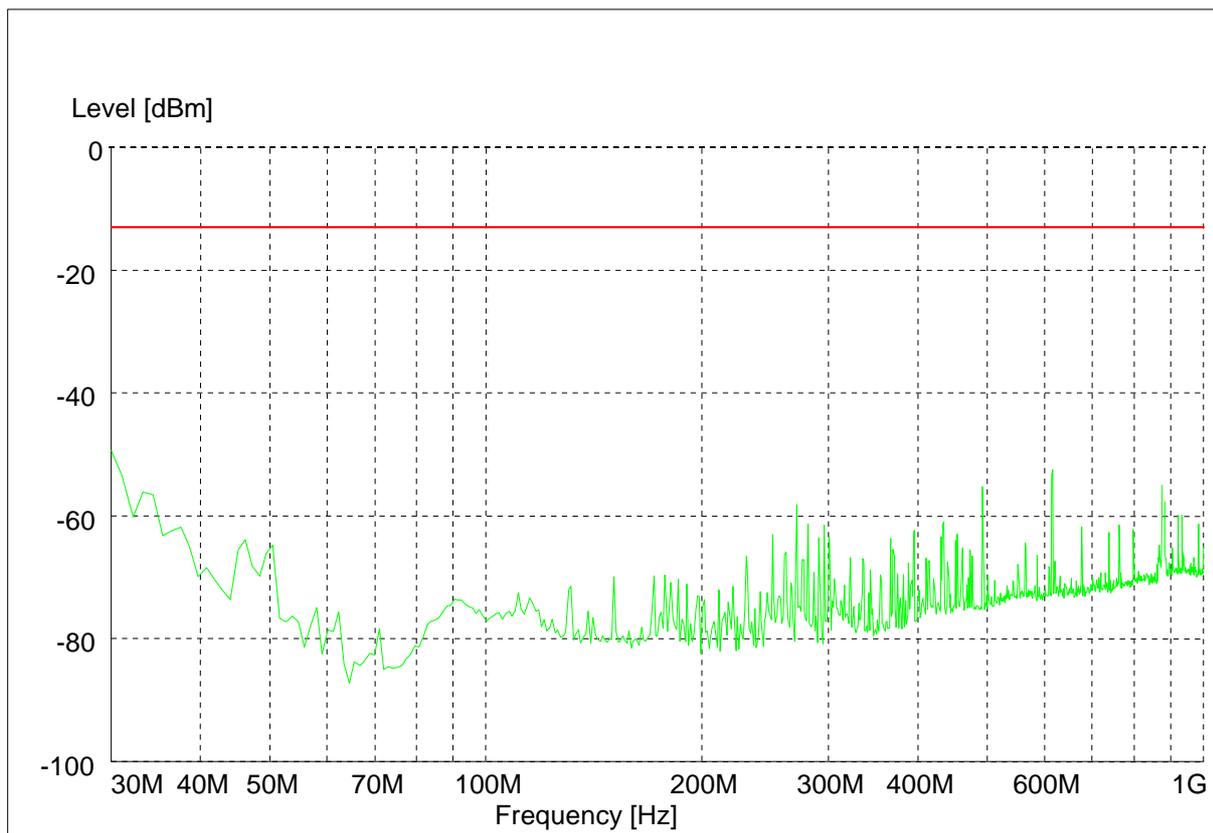
1. BTS3606A Test Result

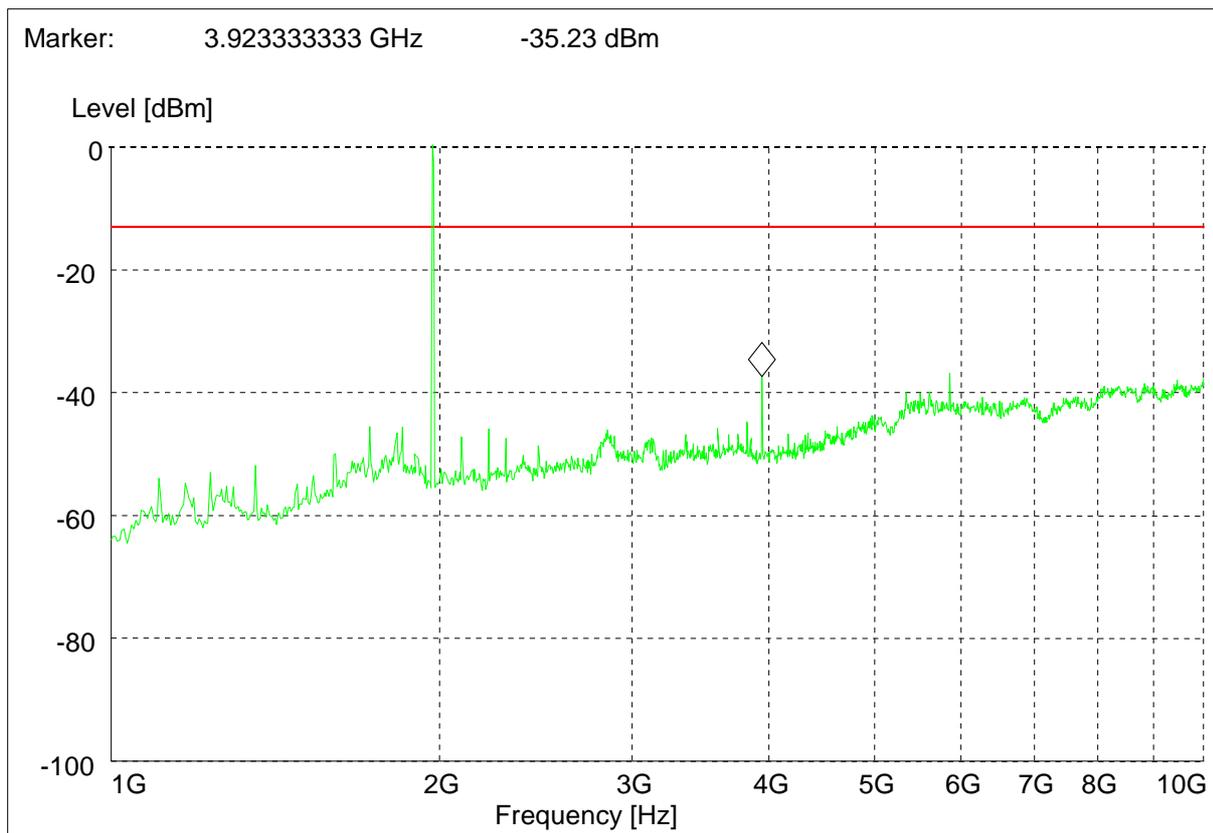
1 carriers have been work normally. BTS work at frequency No.600(1960MHz).



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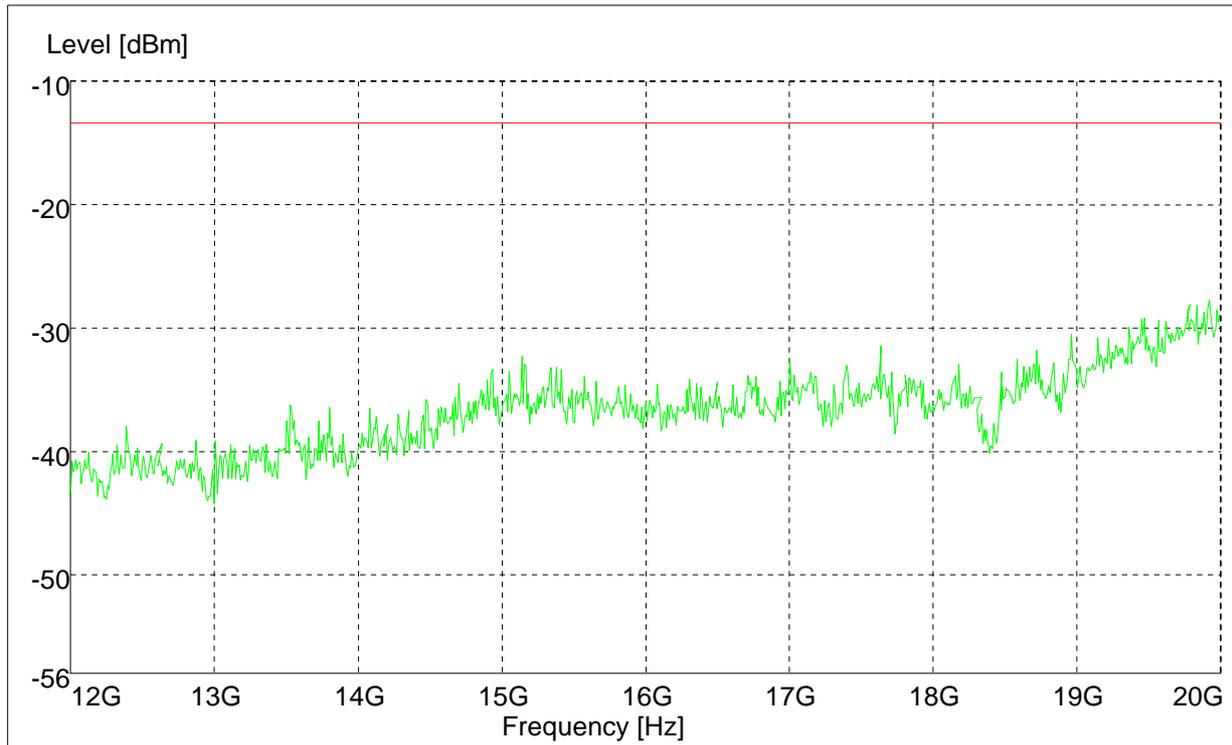




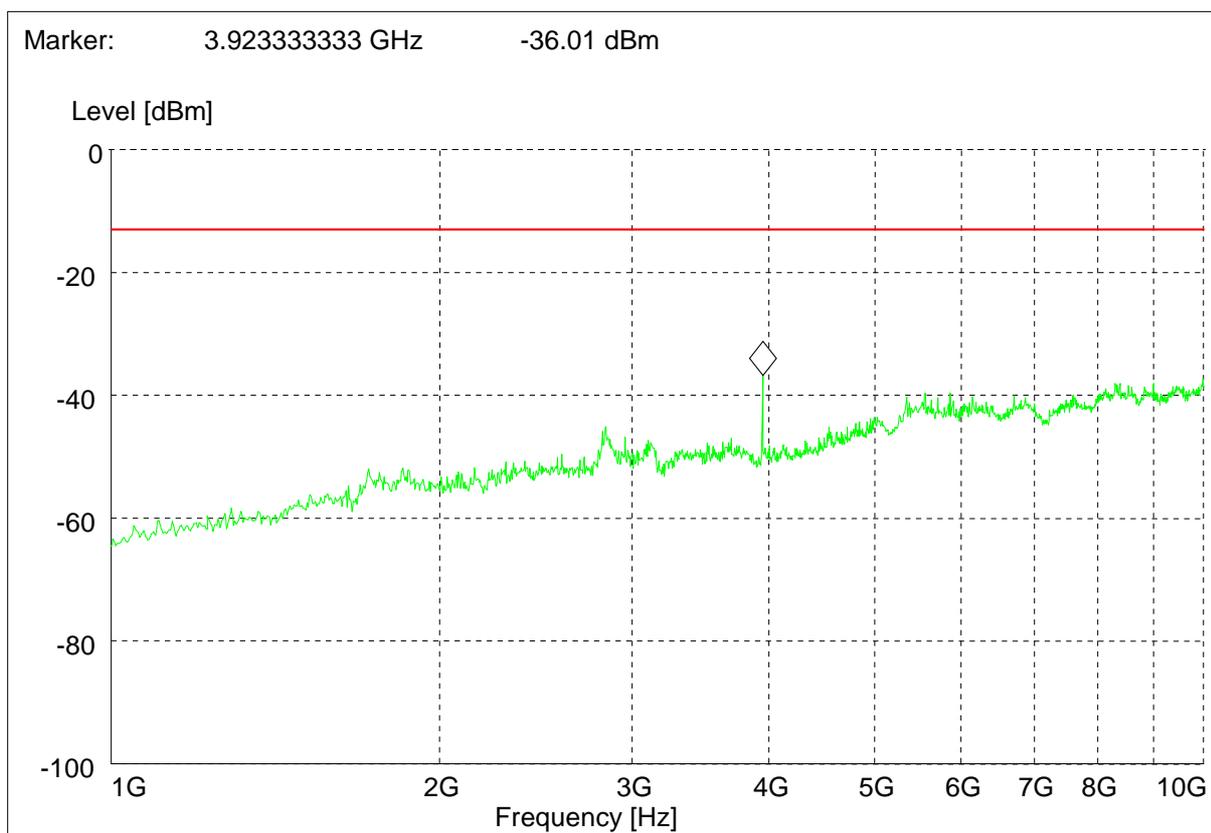
The point which exceeds the limit line is the carrier frequency.

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The Result of Substitute Test



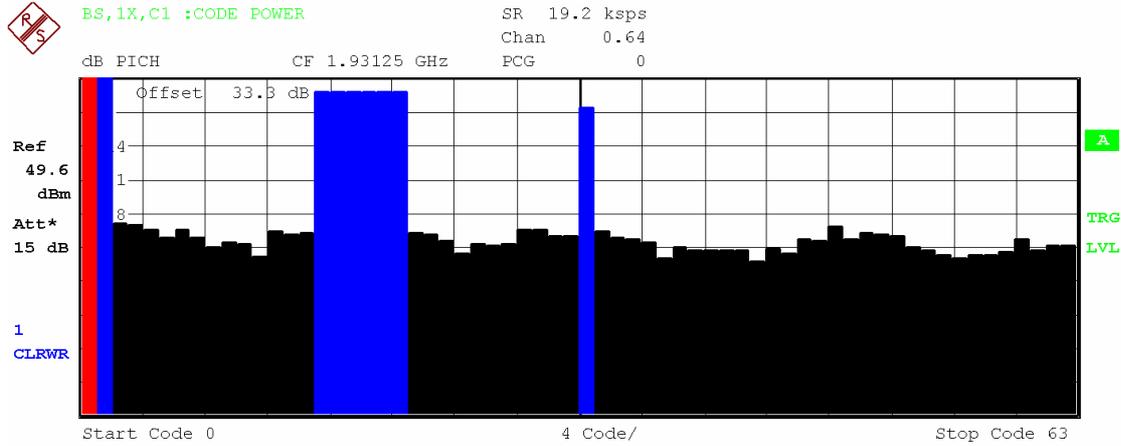
END

Appendix F

Frequency Stability Measurements

According to CFR 47 (FCC) part 2.1055

Temperature = - 20°C

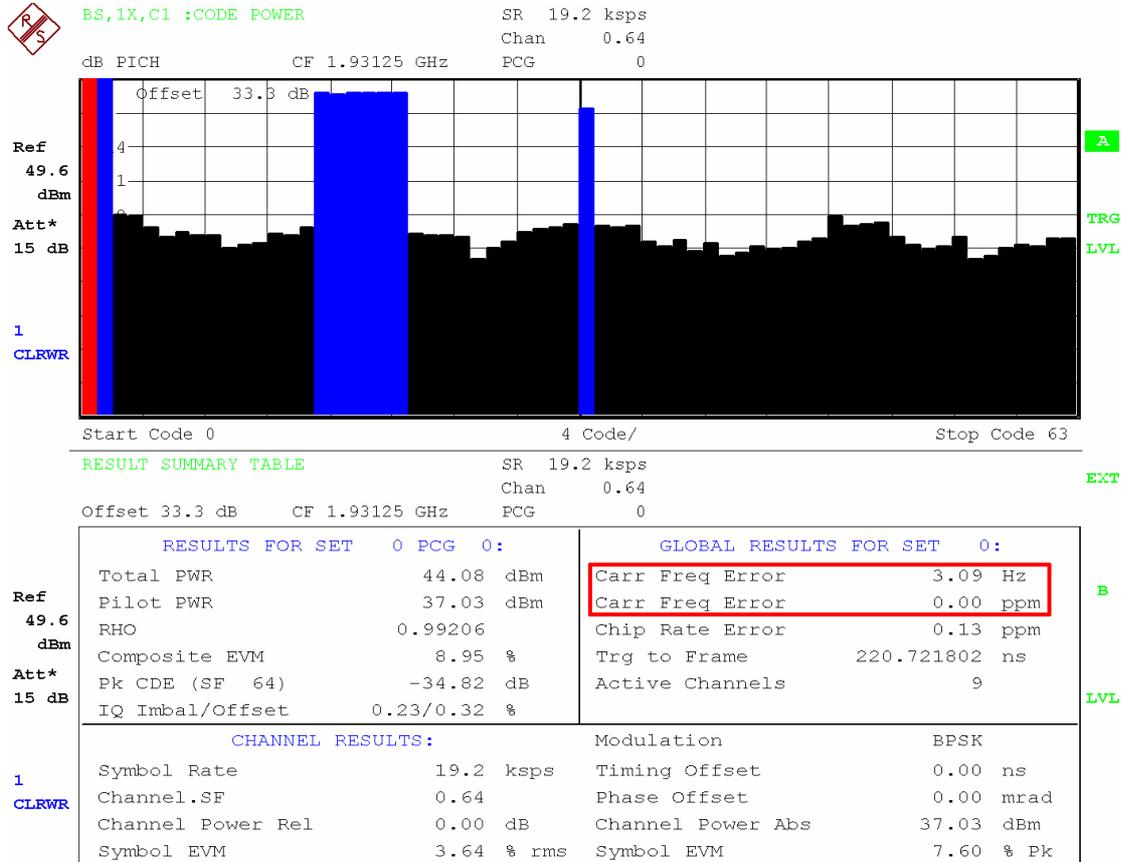


Start Code 0 4 Code/ Stop Code 63

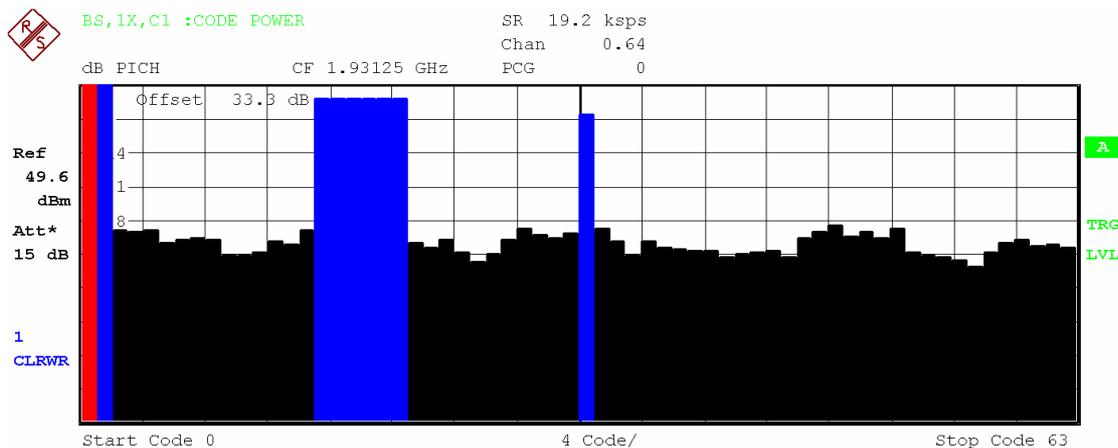
RESULT SUMMARY TABLE SR 19.2 ksps Chan 0.64 EXT
Offset 33.3 dB CF 1.93125 GHz PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 44.20 dBm | Carr Freq Error | 15.21 Hz |
| Pilot PWR | 37.15 dBm | Carr Freq Error | 0.01 ppm |
| RHO | 0.99352 | Chip Rate Error | -0.33 ppm |
| Composite EVM | 8.07 % | Trg to Frame | 221.884747 ns |
| Pk CDE (SF 64) | -34.63 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.40/0.05 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 ksps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 3.75 % rms | Channel Power Abs | 37.15 dBm |
| | | Symbol EVM | 6.35 % Pk |

Temperature = - 10°C



Temperature = 0°C



RESULT SUMMARY TABLE

SR 19.2 ksp/s
Chan 0.64
EXT

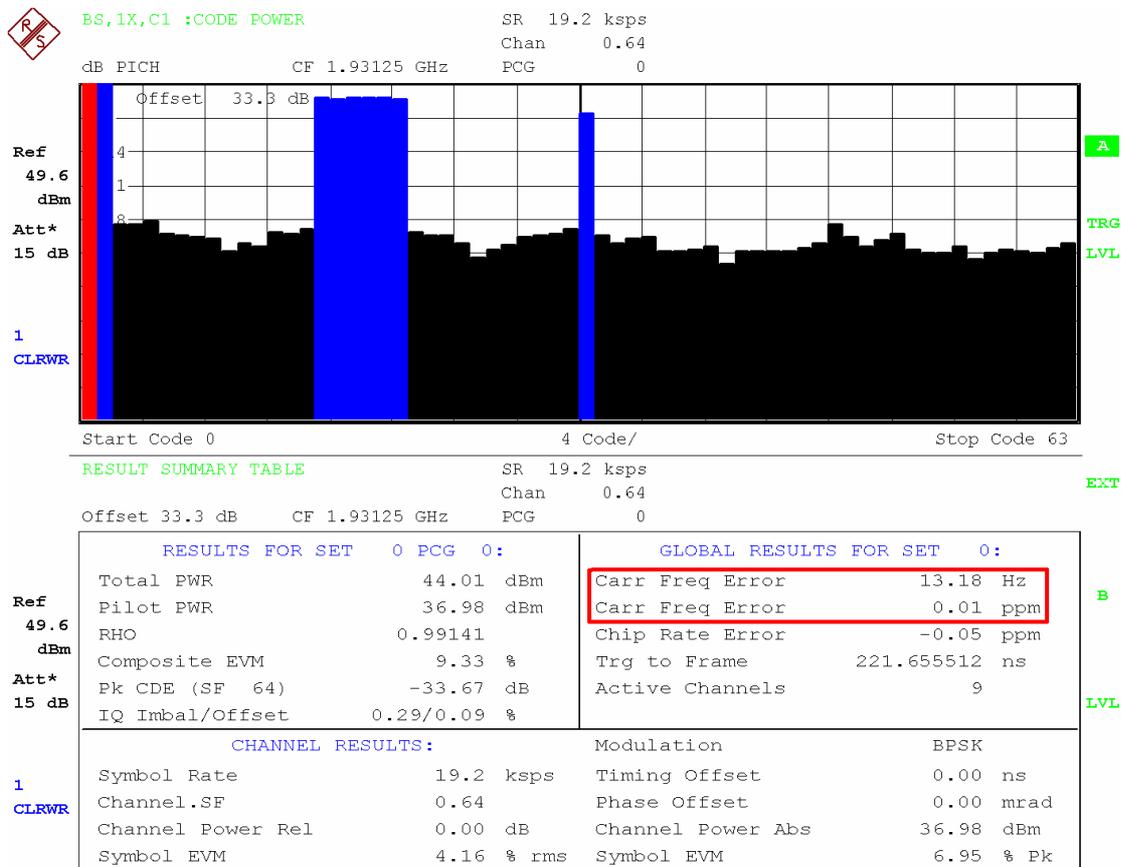
Offset 33.3 dB CF 1.93125 GHz PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 44.04 dBm | Carr Freq Error | -7.75 Hz |
| Pilot PWR | 36.97 dBm | Carr Freq Error | -0.00 ppm |
| RHO | 0.99278 | Chip Rate Error | -0.10 ppm |
| Composite EVM | 8.53 % | Trg to Frame | 221.504877 ns |
| Pk CDE (SF 64) | -36.32 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.48/0.46 % | | |
| CHANNEL RESULTS: | | Modulation | BPSK |
| Symbol Rate | 19.2 ksp/s | Timing Offset | 0.00 ns |
| Channel.SF | 0.64 | Phase Offset | 0.00 mrad |
| Channel Power Rel | 0.00 dB | Channel Power Abs | 36.97 dBm |
| Symbol EVM | 3.13 % rms | Symbol EVM | 4.78 % Pk |

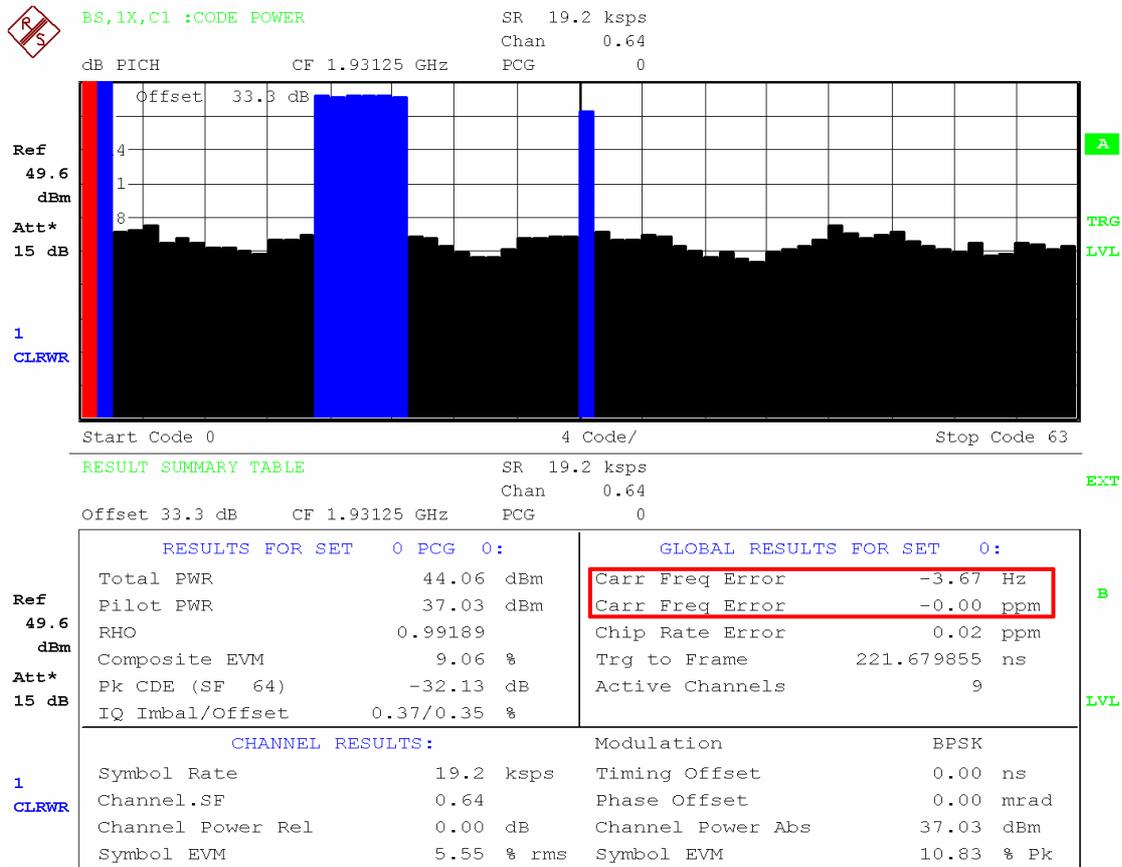
Ref 49.6 dBm
Att* 15 dB

1 CLRWR

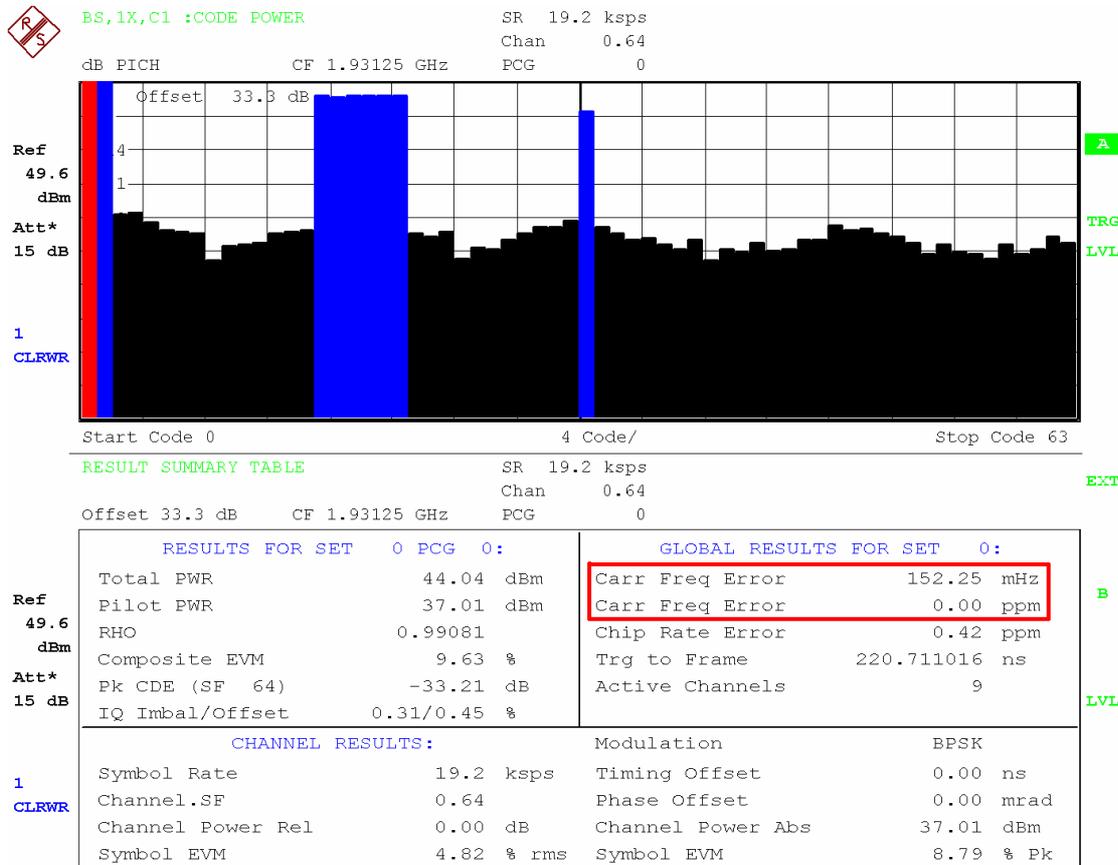
Temperature = 10°C



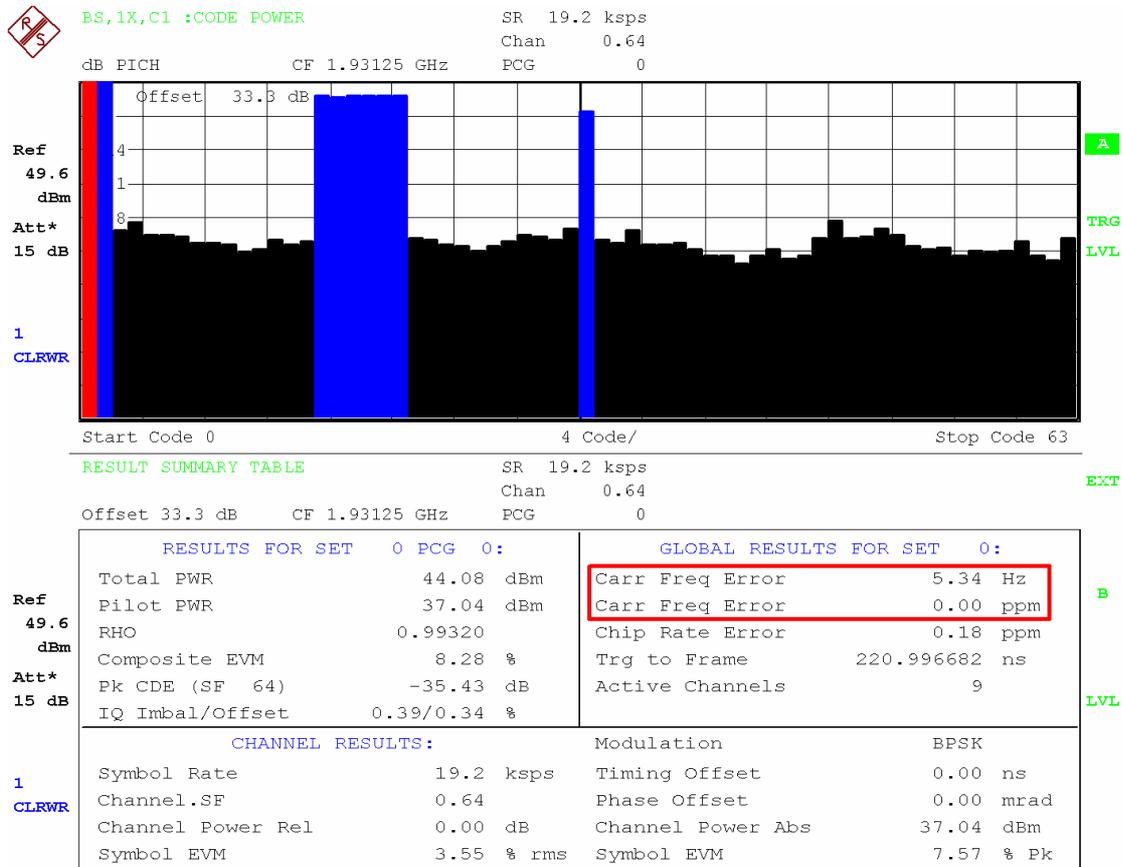
Temperature = 20°C



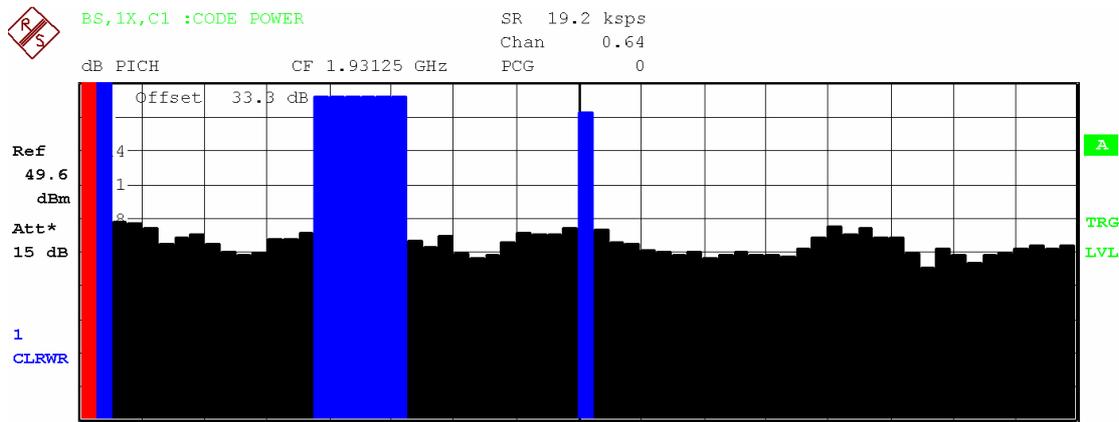
Temperature = 30°C



Temperature = 40°C



Temperature = 50°C

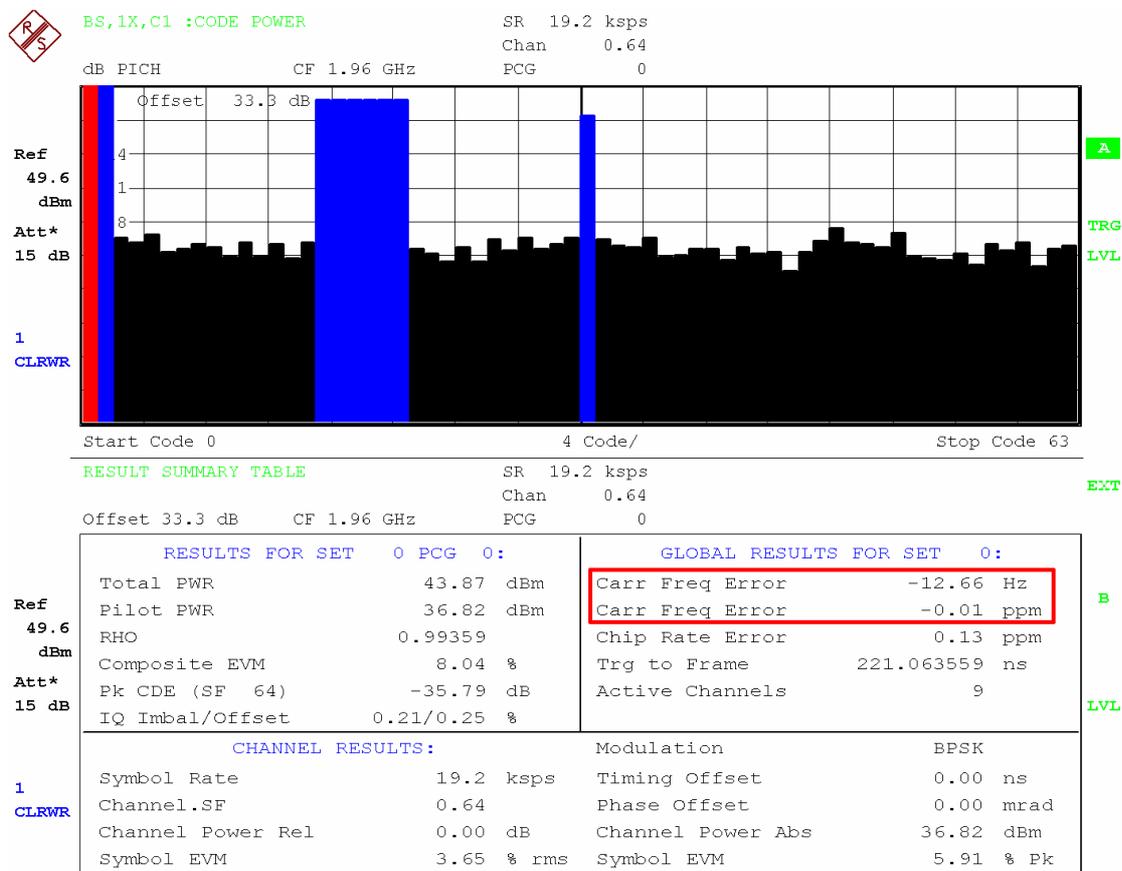


RESULT SUMMARY TABLE SR 19.2 ksps Chan 0.64 PCG 0
Offset 33.3 dB CF 1.93125 GHz

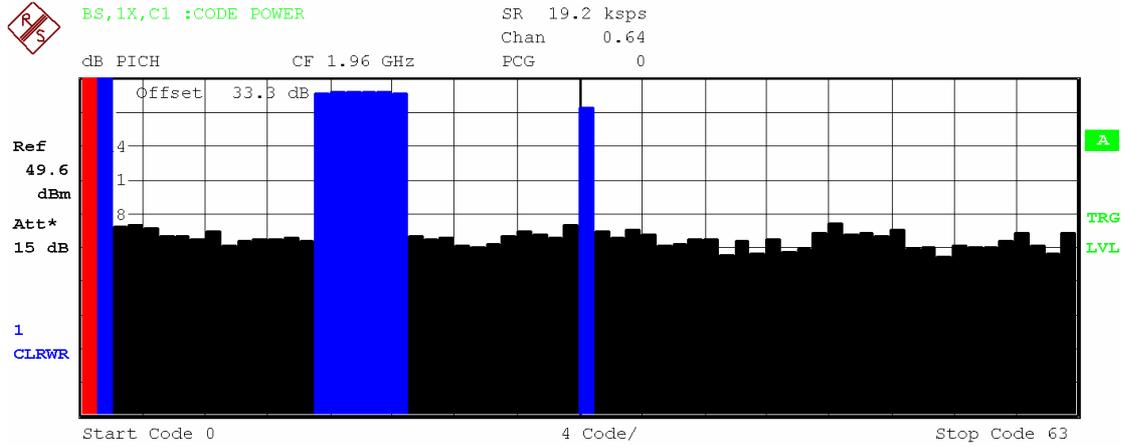
| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 44.11 dBm | Carr Freq Error | -12.23 Hz |
| Pilot PWR | 37.06 dBm | Carr Freq Error | -0.01 ppm |
| RHO | 0.99205 | Chip Rate Error | -0.21 ppm |
| Composite EVM | 8.96 % | Trg to Frame | 221.872057 ns |
| Pk CDE (SF 64) | -32.71 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.55/0.44 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 ksps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 5.20 % rms | Channel Power Abs | 37.06 dBm |
| | | Symbol EVM | 8.51 % Pk |

TRX2: Channel No. 600(1960.00MHz)

Temperature = - 30°C



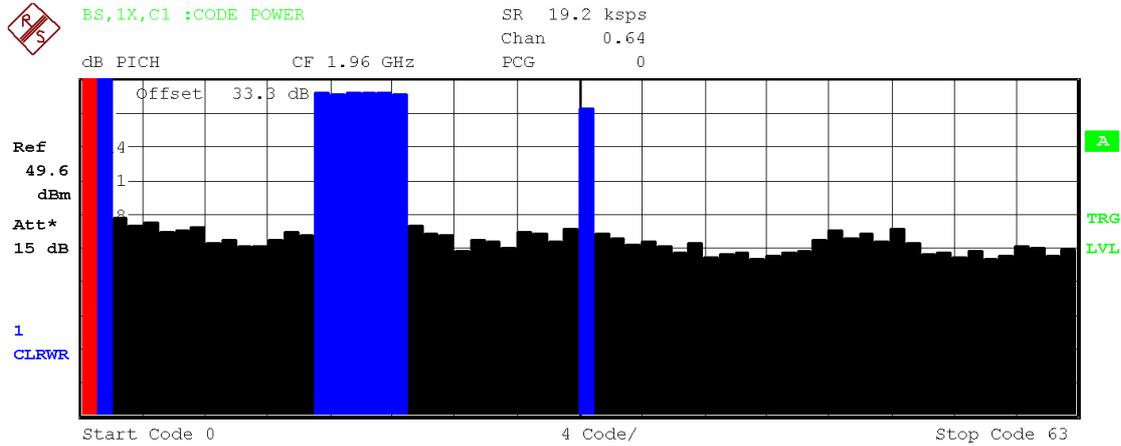
Temperature = - 20°C



RESULT SUMMARY TABLE SR 19.2 ksps
Chan 0.64
Offset 33.3 dB CF 1.96 GHz PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.85 dBm | Carr Freq Error | -9.44 Hz |
| Pilot PWR | 36.82 dBm | Carr Freq Error | -0.00 ppm |
| RHO | 0.99393 | Chip Rate Error | -0.24 ppm |
| Composite EVM | 7.82 % | Trg to Frame | 222.086271 ns |
| Pk CDE (SF 64) | -37.39 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.42/0.16 % | | |
| CHANNEL RESULTS: | | Modulation | BPSK |
| Symbol Rate | 19.2 ksps | Timing Offset | 0.00 ns |
| Channel.SF | 0.64 | Phase Offset | 0.00 mrad |
| Channel Power Rel | 0.00 dB | Channel Power Abs | 36.82 dBm |
| Symbol EVM | 2.42 % rms | Symbol EVM | 4.56 % Pk |

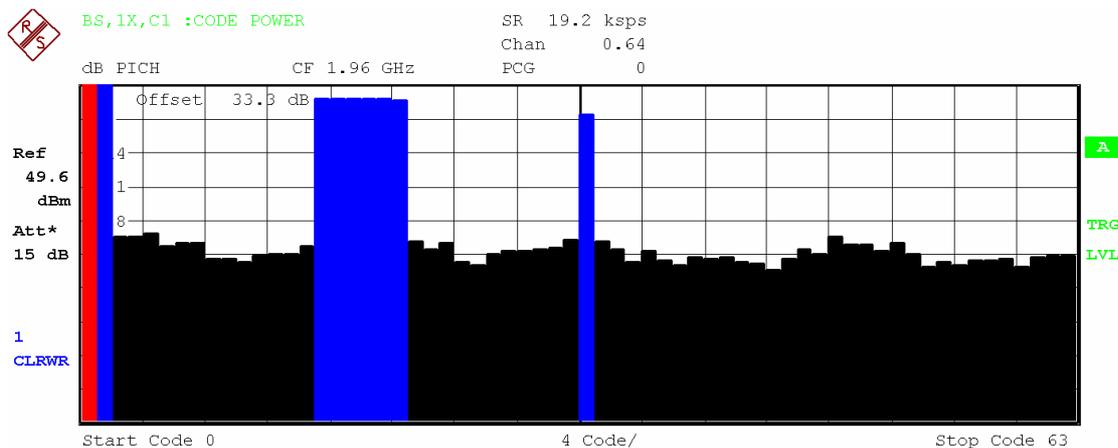
Temperature = - 10°C



RESULT SUMMARY TABLE SR 19.2 ksps
Chan 0.64
Offset 33.3 dB CF 1.96 GHz PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.81 dBm | Carr Freq Error | 2.19 Hz |
| Pilot PWR | 36.80 dBm | Carr Freq Error | 0.00 ppm |
| RHO | 0.99322 | Chip Rate Error | -0.13 ppm |
| Composite EVM | 8.27 % | Trg to Frame | 221.305640 ns |
| Pk CDE (SF 64) | -35.38 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.22/0.11 % | | |
| CHANNEL RESULTS: | | Modulation | BPSK |
| Symbol Rate | 19.2 ksps | Timing Offset | 0.00 ns |
| Channel.SF | 0.64 | Phase Offset | 0.00 mrad |
| Channel Power Rel | 0.00 dB | Channel Power Abs | 36.80 dBm |
| Symbol EVM | 3.80 % rms | Symbol EVM | 6.72 % Pk |

Temperature = 0°C



RESULT SUMMARY TABLE SR 19.2 ksp/s
Chan 0.64
EXT

Offset 33.3 dB CF 1.96 GHz PCG 0

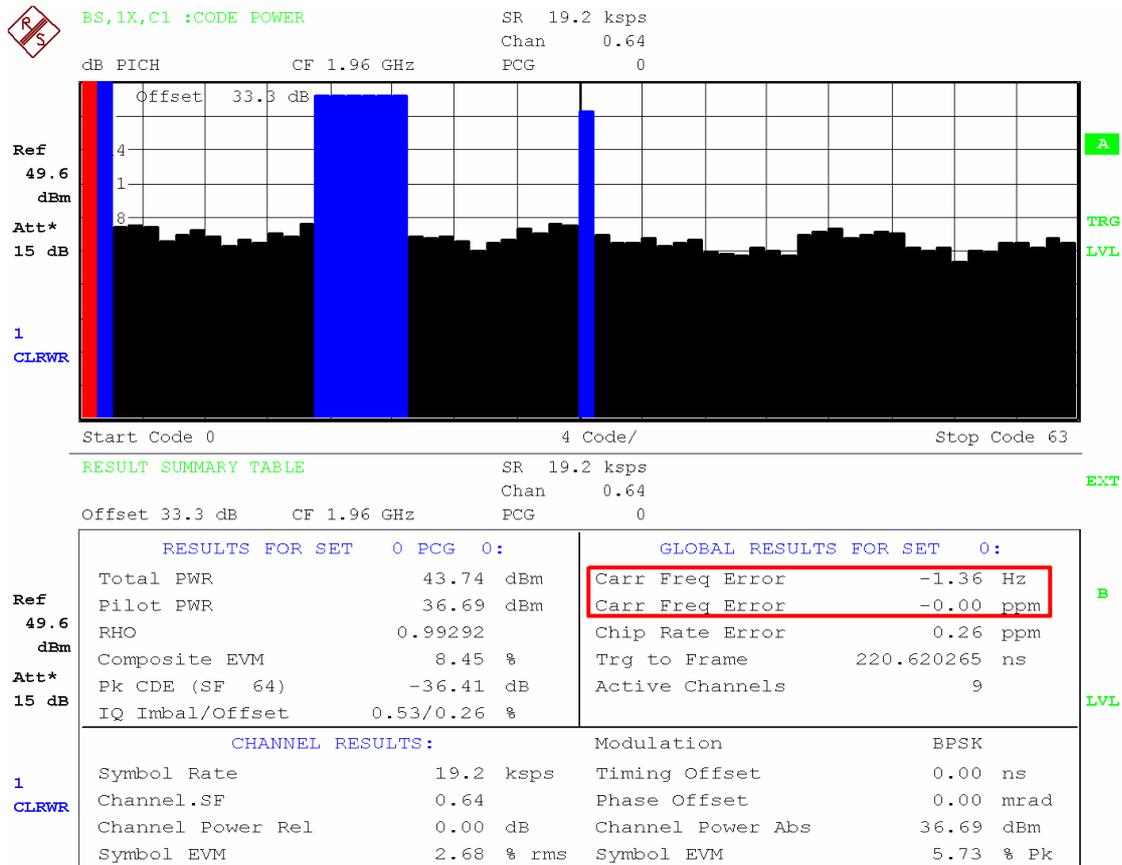
| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.80 dBm | Carr Freq Error | 2.85 Hz |
| Pilot PWR | 36.76 dBm | Carr Freq Error | 0.00 ppm |
| RHO | 0.99496 | Chip Rate Error | 0.05 ppm |
| Composite EVM | 7.12 % | Trg to Frame | 220.818677 ns |
| Pk CDE (SF 64) | -36.86 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.20/0.25 % | | |
| CHANNEL RESULTS: | | Modulation | BPSK |
| Symbol Rate | 19.2 ksp/s | Timing Offset | 0.00 ns |
| Channel.SF | 0.64 | Phase Offset | 0.00 mrad |
| Channel Power Rel | 0.00 dB | Channel Power Abs | 36.76 dBm |
| Symbol EVM | 3.19 % rms | Symbol EVM | 5.46 % Pk |

Ref 49.6 dBm
Att* 15 dB

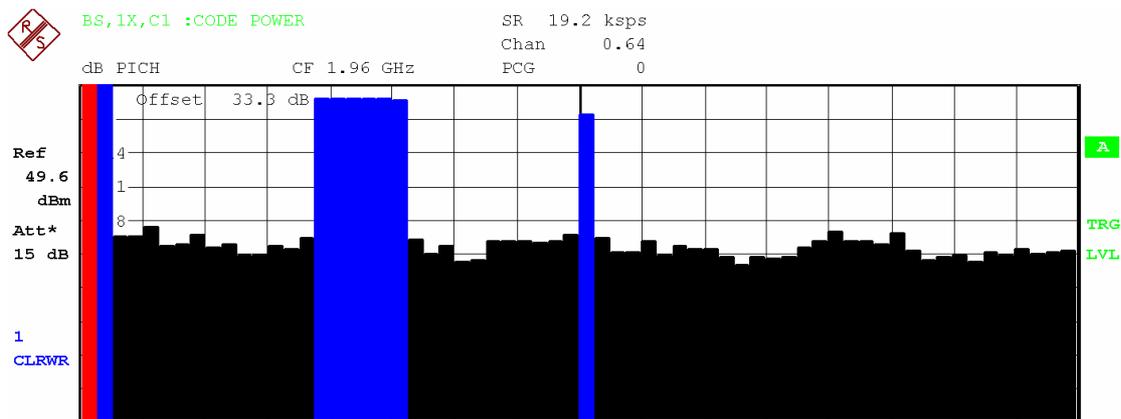
1 CLRWR

B
LVL

Temperature = 30°C



Temperature = 50°C



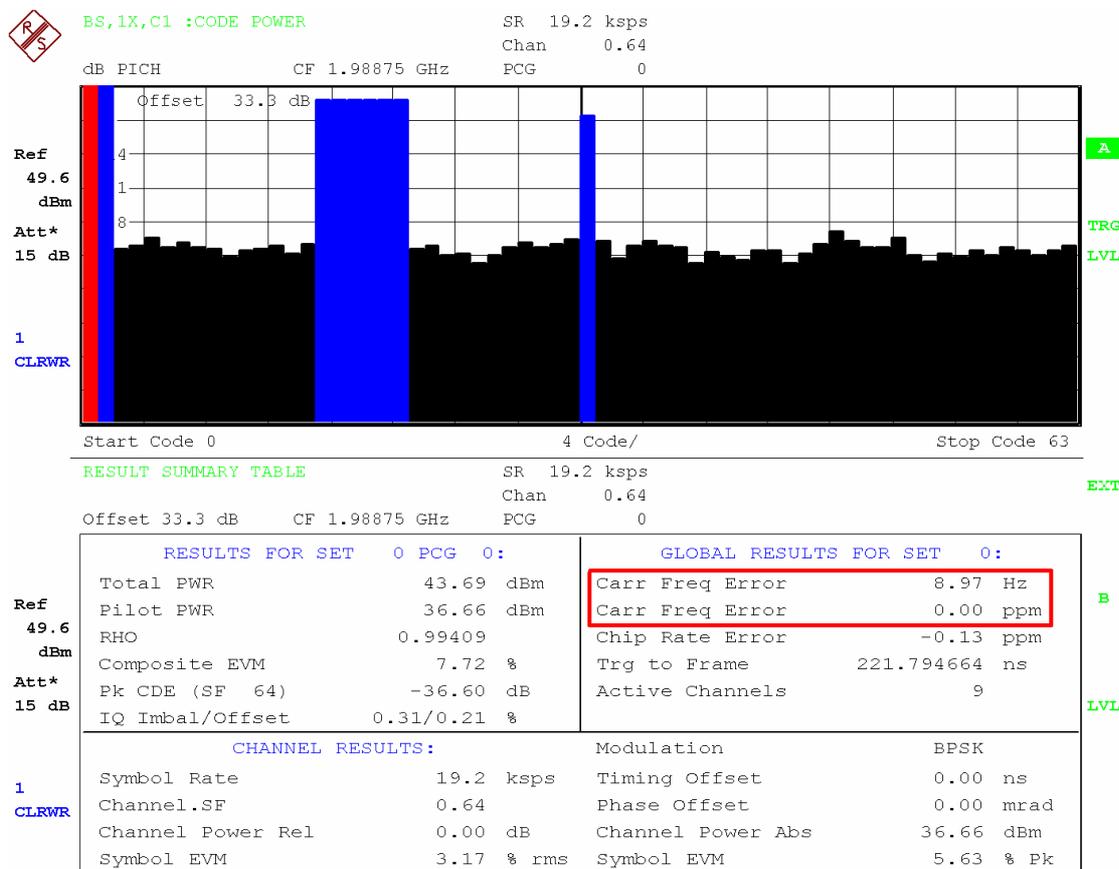
Start Code 0 4 Code/ Stop Code 63

RESULT SUMMARY TABLE SR 19.2 ksps
Chan 0.64
Offset 33.3 dB CF 1.96 GHz PCG 0

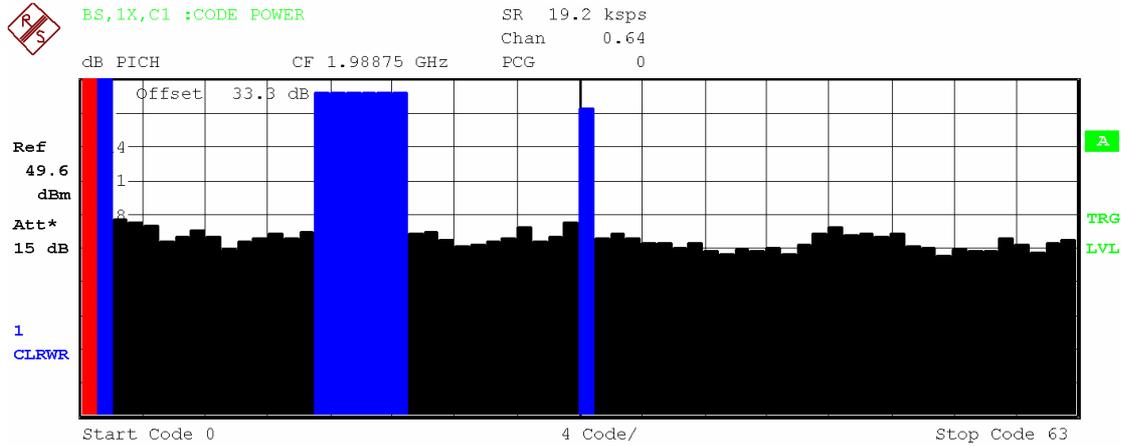
| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.75 dBm | Carr Freq Error | 13.53 Hz |
| Pilot PWR | 36.71 dBm | Carr Freq Error | 0.01 ppm |
| RHO | 0.99360 | Chip Rate Error | -0.04 ppm |
| Composite EVM | 8.04 % | Trg to Frame | 221.794082 ns |
| Pk CDE (SF 64) | -35.81 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.16/0.23 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 ksps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 3.64 % rms | Channel Power Abs | 36.71 dBm |
| | | Symbol EVM | 6.91 % Pk |

TRX3: Channel No. 1175(1988.75MHz)

Temperature = - 30°C



Temperature = - 10°C



RESULT SUMMARY TABLE

SR 19.2 ksps
Chan 0.64
EXT

Offset 33.3 dB CF 1.98875 GHz PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.69 dBm | Carr Freq Error | -1.66 Hz |
| Pilot PWR | 36.65 dBm | Carr Freq Error | -0.00 ppm |
| RHO | 0.99242 | Chip Rate Error | 0.19 ppm |
| Composite EVM | 8.75 % | Trg to Frame | 220.565482 ns |
| Pk CDE (SF 64) | -34.08 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.42/0.36 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 ksps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 4.43 % rms | Channel Power Abs | 36.65 dBm |
| | | Symbol EVM | 8.13 % Pk |

Ref 49.6 dBm
Att* 15 dB

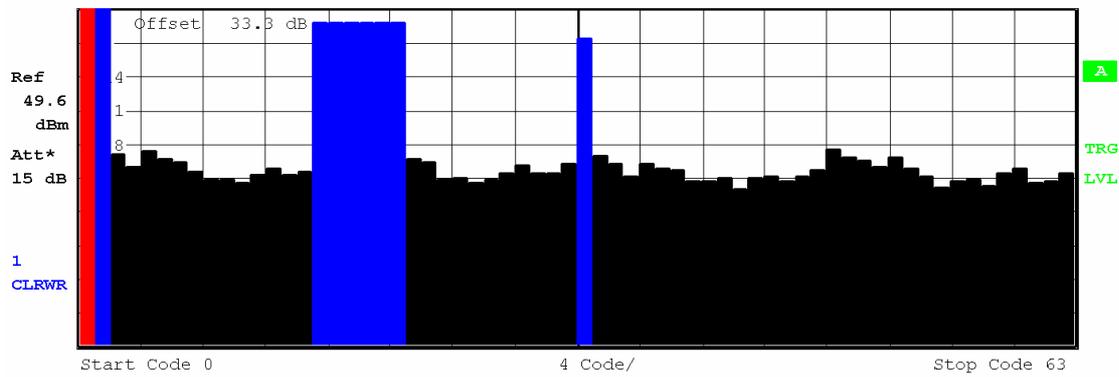
1 CLRWR

LVL

Temperature = 0°C



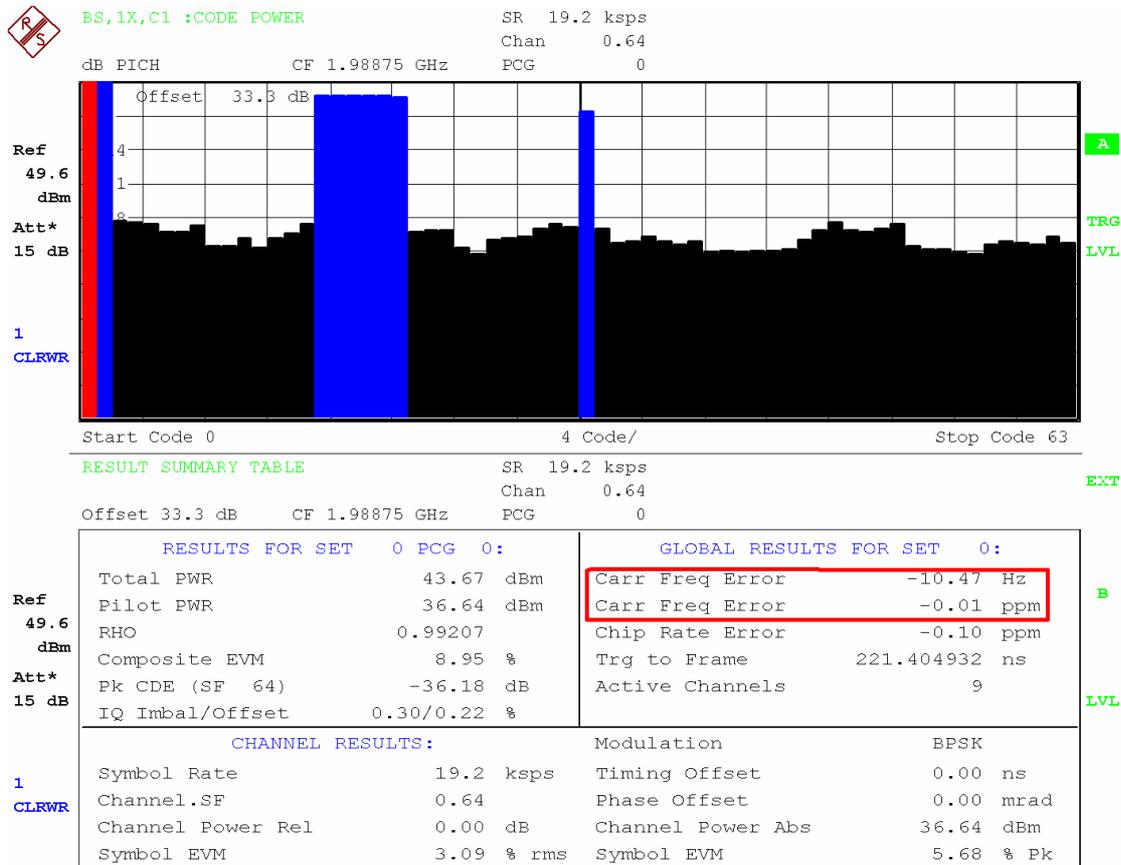
BS,1X,C1 :CODE POWER SR 19.2 ksp/s
Chan 0.64
dB PICH CF 1.98875 GHz PCG 0



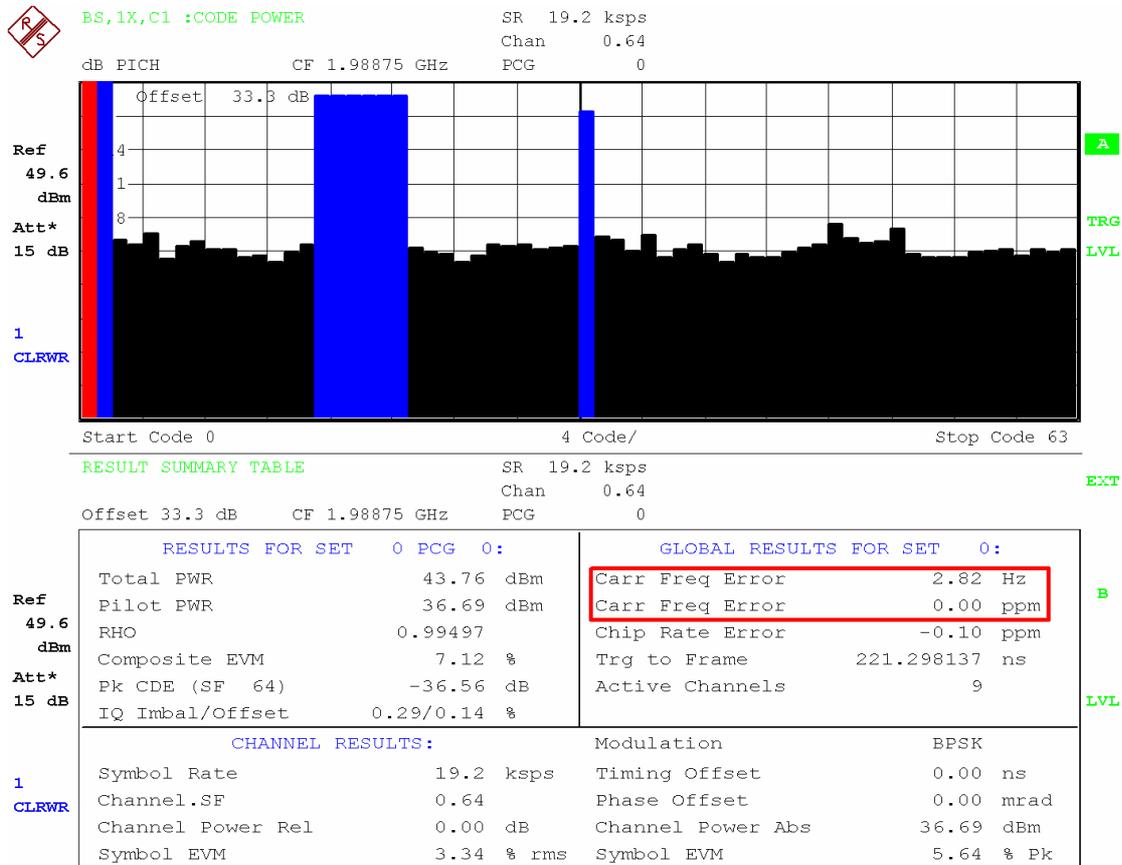
RESULT SUMMARY TABLE SR 19.2 ksp/s EXT
Chan 0.64
Offset 33.3 dB CF 1.98875 GHz PCG 0

| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.88 dBm | Carr Freq Error | -11.26 Hz |
| Pilot PWR | 36.83 dBm | Carr Freq Error | -0.01 ppm |
| RHO | 0.99320 | Chip Rate Error | -0.02 ppm |
| Composite EVM | 8.28 % | Trg to Frame | 221.039159 ns |
| Pk CDE (SF 64) | -34.26 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.51/0.30 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 ksp/s | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Symbol EVM | 4.35 % rms | Channel Power Abs | 36.83 dBm |
| | | Symbol EVM | 8.17 % Pk |

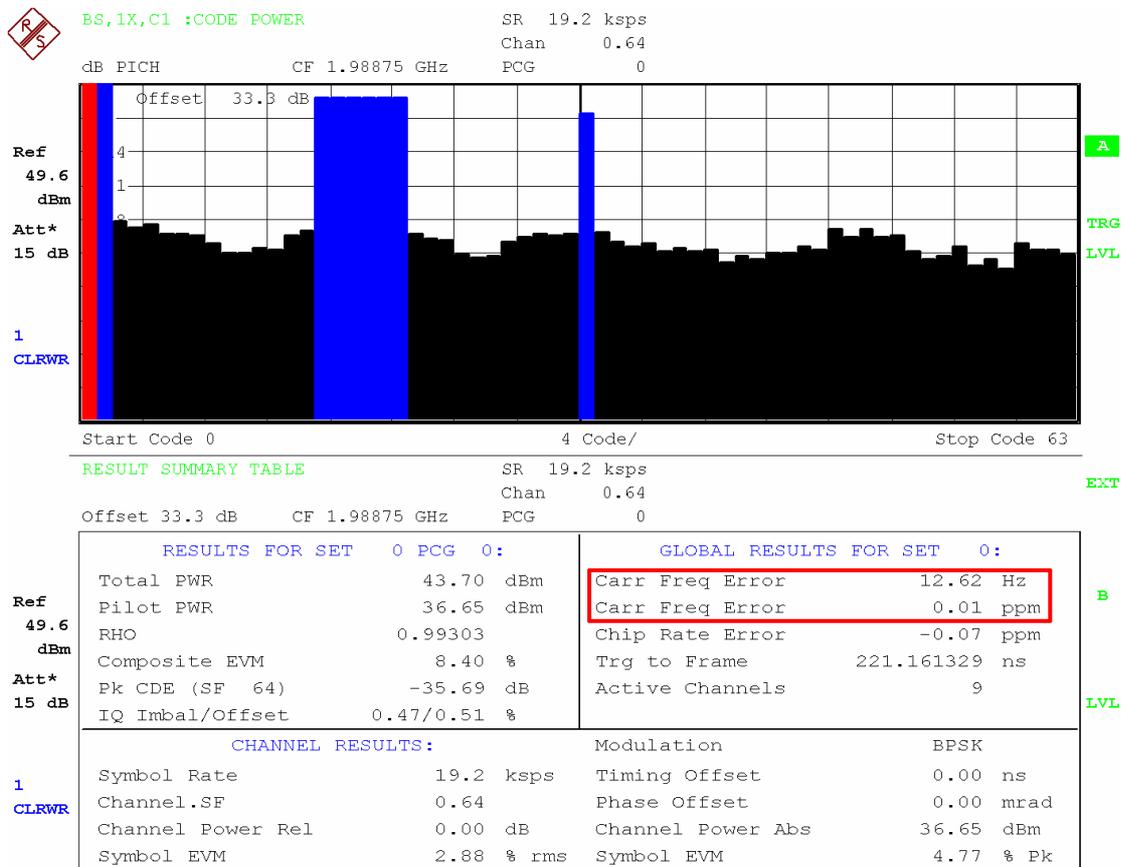
Temperature = 10°C



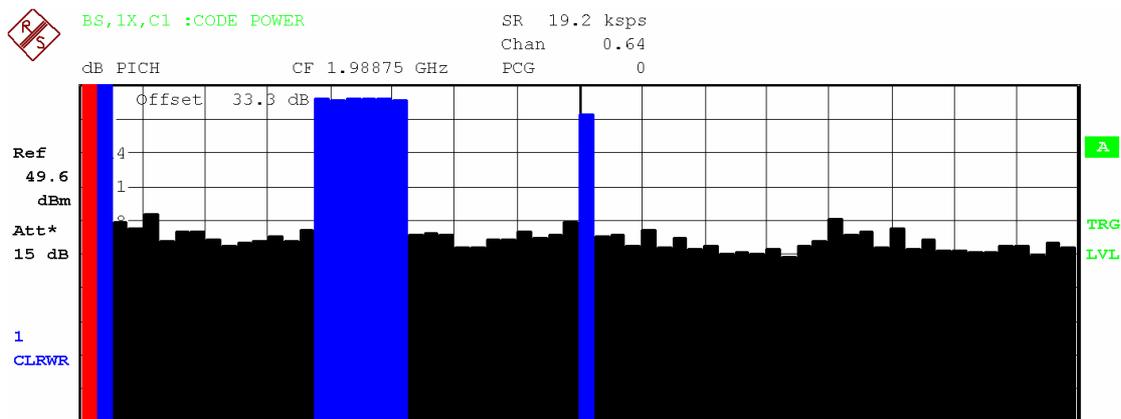
Temperature = 30°C



Temperature = 40°C



Temperature = 50°C



Start Code 0 4 Code/ Stop Code 63

RESULT SUMMARY TABLE SR 19.2 kbps Chan 0.64
Offset 33.3 dB CF 1.98875 GHz PCG 0

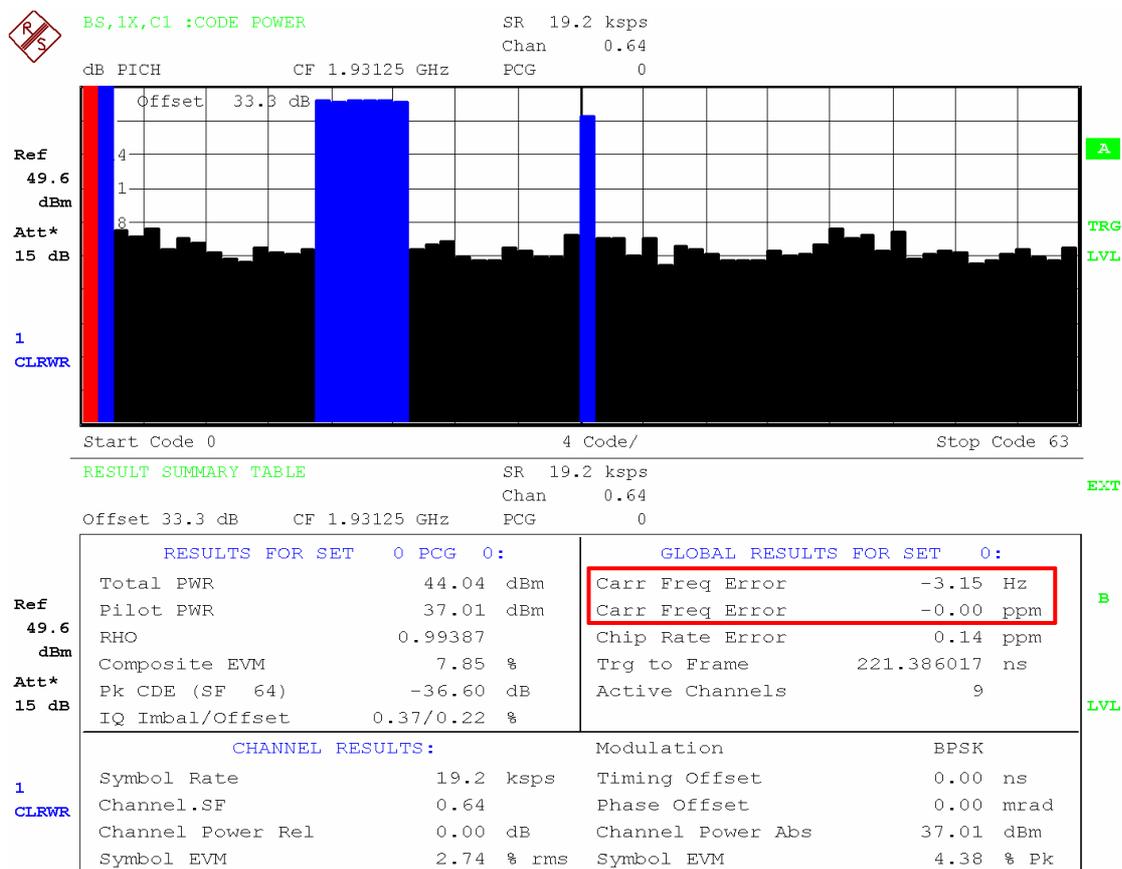
| RESULTS FOR SET 0 PCG 0: | | GLOBAL RESULTS FOR SET 0: | |
|--------------------------|-------------|---------------------------|---------------|
| Total PWR | 43.68 dBm | Carr Freq Error | 7.33 Hz |
| Pilot PWR | 36.64 dBm | Carr Freq Error | 0.00 ppm |
| RHO | 0.99078 | Chip Rate Error | 0.07 ppm |
| Composite EVM | 9.65 % | Trg to Frame | 220.833954 ns |
| Pk CDE (SF 64) | -33.49 dB | Active Channels | 9 |
| IQ Imbal/Offset | 0.65/0.43 % | | |
| CHANNEL RESULTS: | | Modulation | |
| Symbol Rate | 19.2 kbps | | BPSK |
| Channel.SF | 0.64 | Timing Offset | 0.00 ns |
| Channel Power Rel | 0.00 dB | Phase Offset | 0.00 mrad |
| Channel Power Abs | 36.64 dBm | Channel Power Abs | 36.64 dBm |
| Symbol EVM | 3.84 % rms | Symbol EVM | 8.33 % Pk |

Frequency Stability versus Voltages

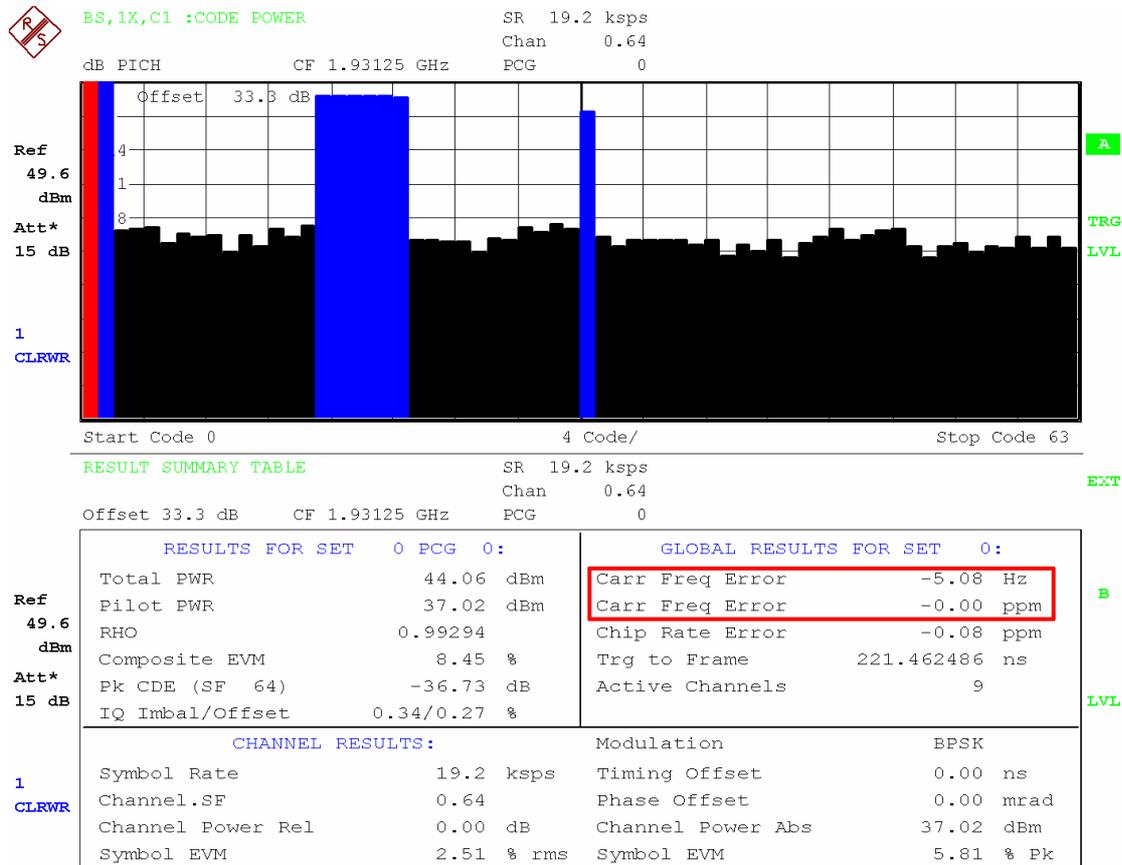
AC Power Supply:

TRX1: Channel No. 25(1931.25MHz)

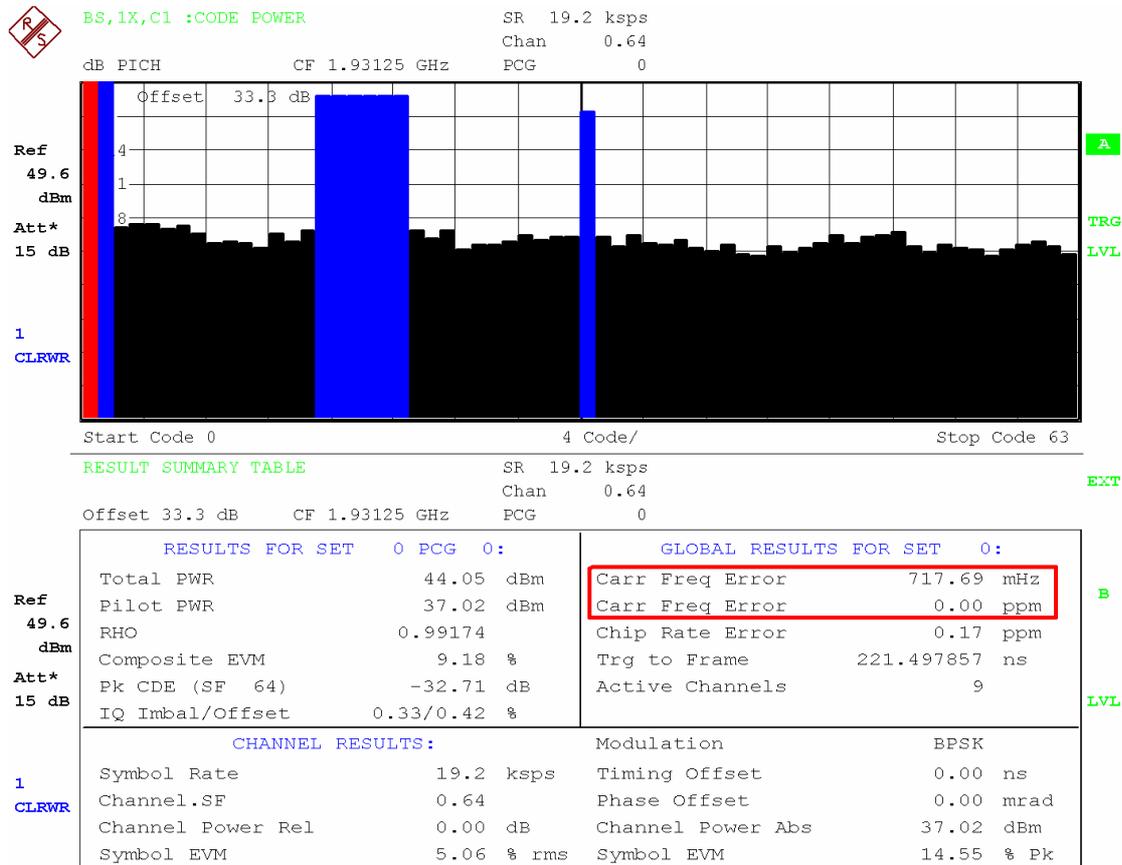
Voltage= 187V



Voltage= 220V

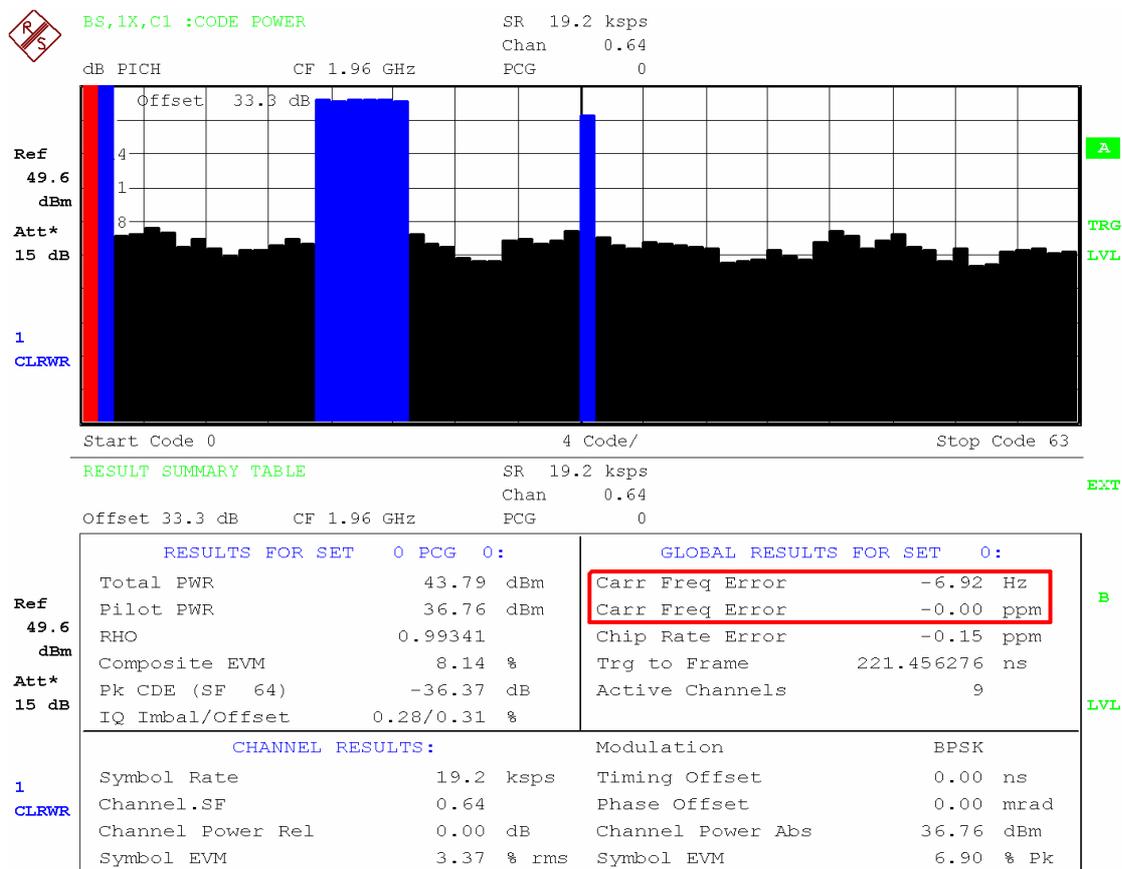


Voltage= 253V

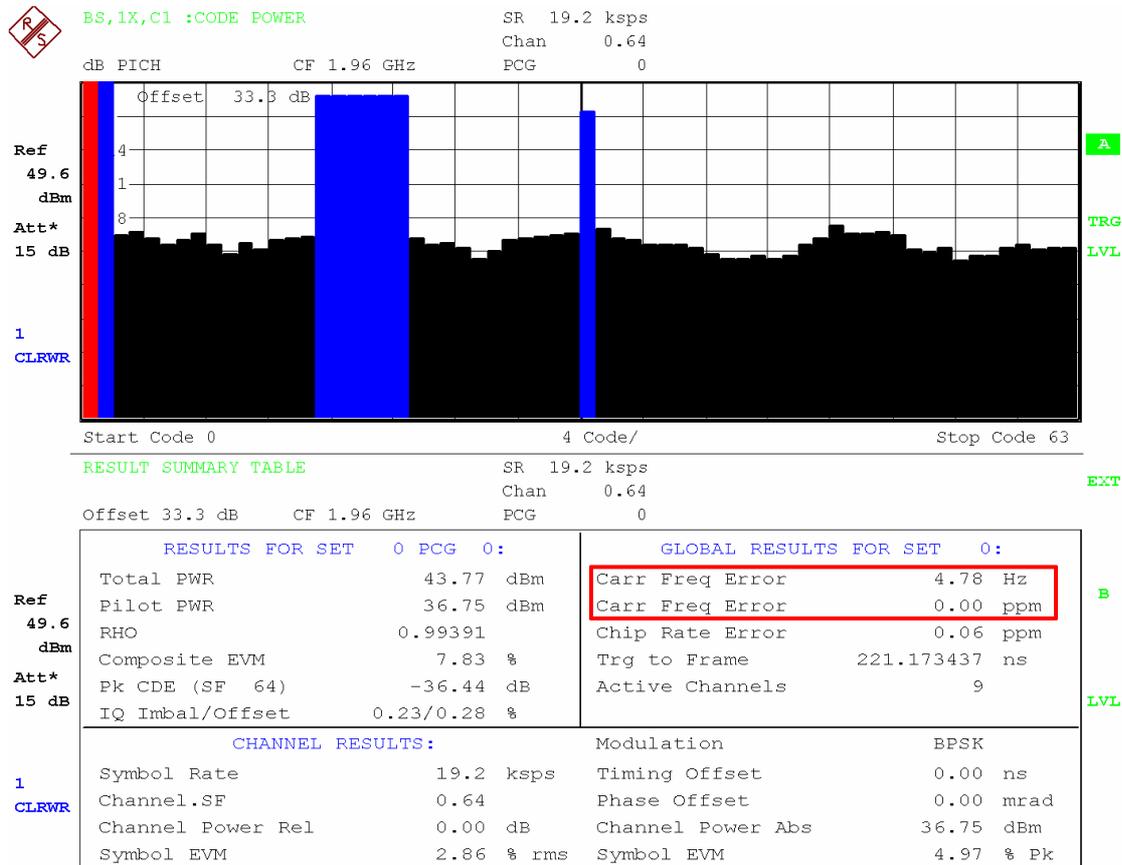


TRX2: Channel No. 600(1960.00MHz)

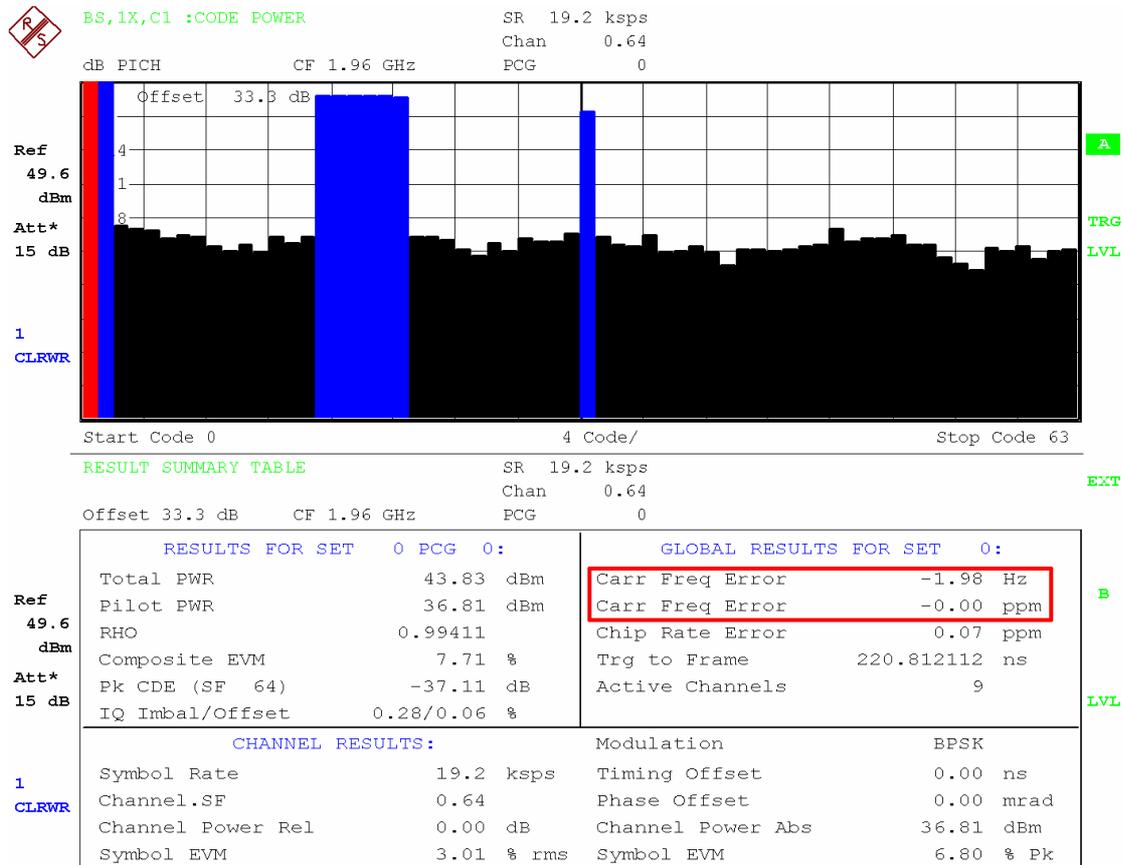
Voltage= 187V



Voltage= 220V



Voltage= 253V



A

TRG

LVL

B

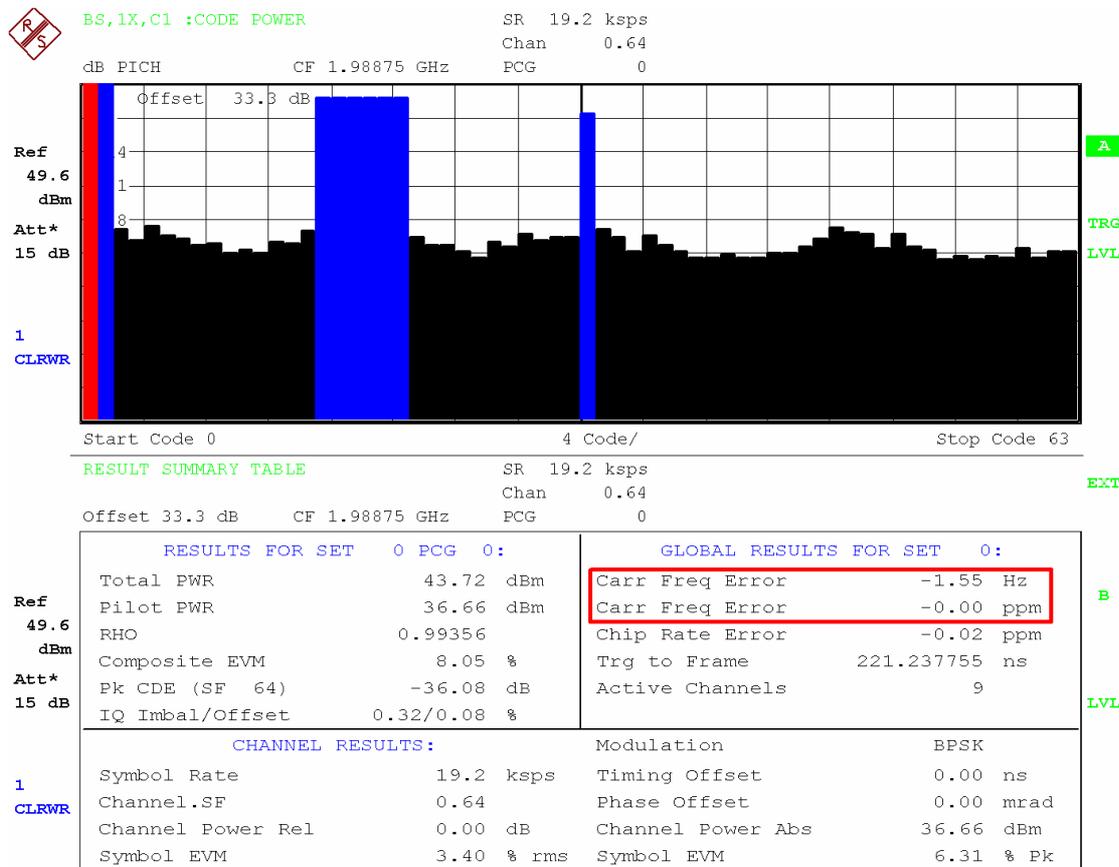
LVL

Test Report No.: SYBH(E)25022005

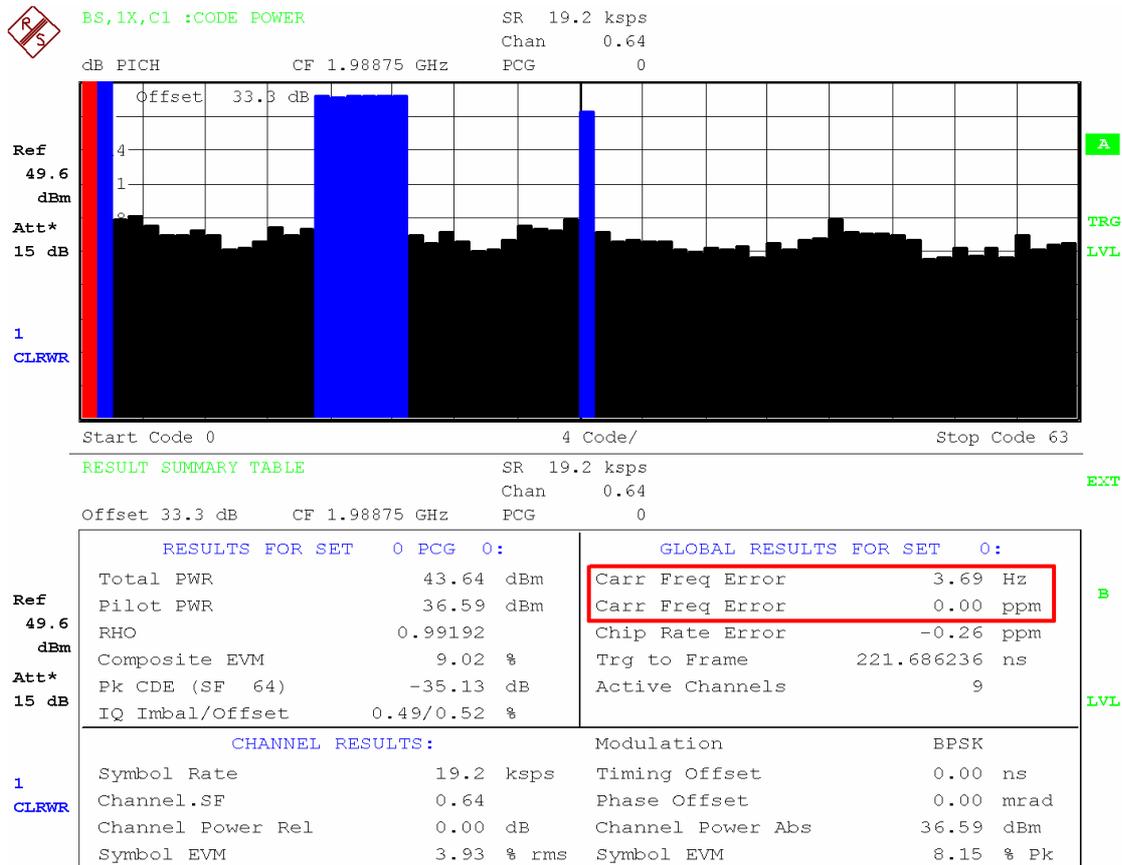
Page 35 of 8

TRX3: Channel No. 1175(1988.75MHz)

Voltage= 187V



Voltage= 253V



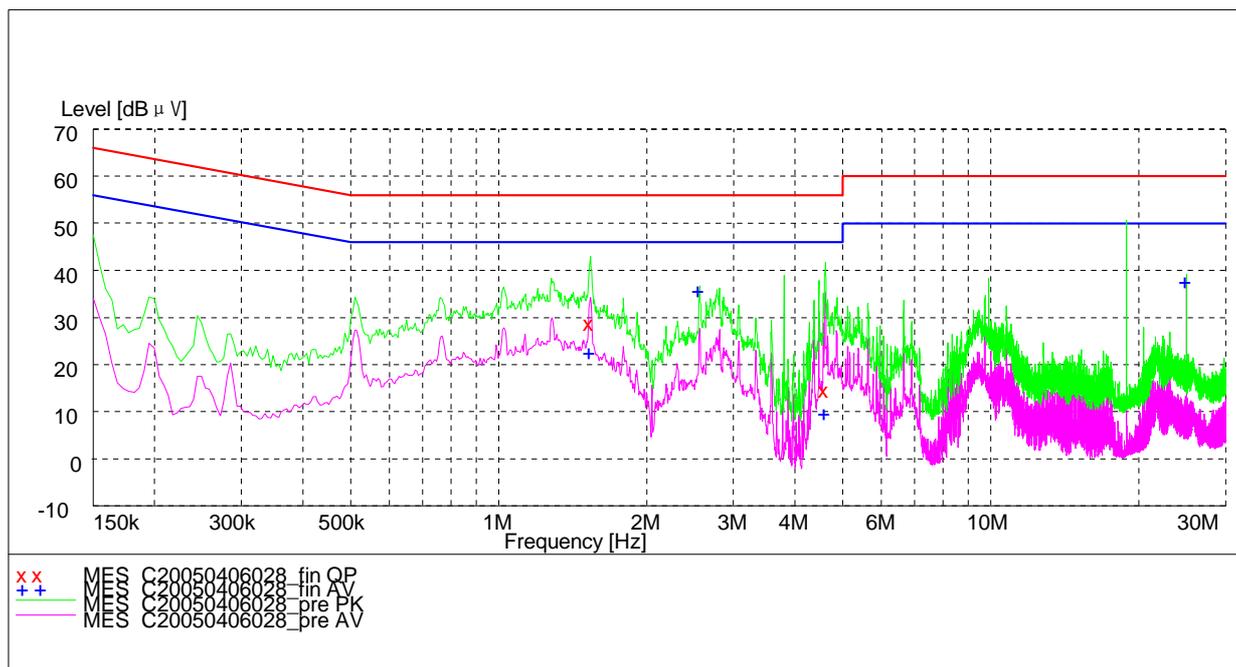
Appendix G

Conducted Emission Measurements

According to CFR 47 (FCC) part 15.207

CONDUCTED EMISSION TEST

Test result of BTS3606A:



MEASUREMENT RESULT: " C20050406028_fin QP"

| Frequency (MHz) | Level (dBμV) | Transd (dB) | Limit (dBμV) | Margin (dB) | Line | PE |
|-----------------|--------------|-------------|--------------|-------------|------|-----|
| 1.536000 | 29.80 | 10.1 | 56 | 26.2 | N | GND |
| 4.609500 | 15.50 | 10.1 | 56 | 40.5 | L1 | GND |

MEASUREMENT RESULT: " C20050406028_fin AV"

| Frequency (MHz) | Level (dBμV) | Transd (dB) | Limit (dBμV) | Margin (dB) | Line | PE |
|-----------------|--------------|-------------|--------------|-------------|------|-----|
| 1.536000 | 23.60 | 10.1 | 46 | 22.4 | N | GND |
| 2.557500 | 36.90 | 10.1 | 46 | 9.1 | L3 | GND |
| 4.605000 | 10.60 | 10.1 | 46 | 35.4 | L1 | GND |
| 24.999000 | 38.60 | 14.9 | 50 | 11.4 | L1 | GND |

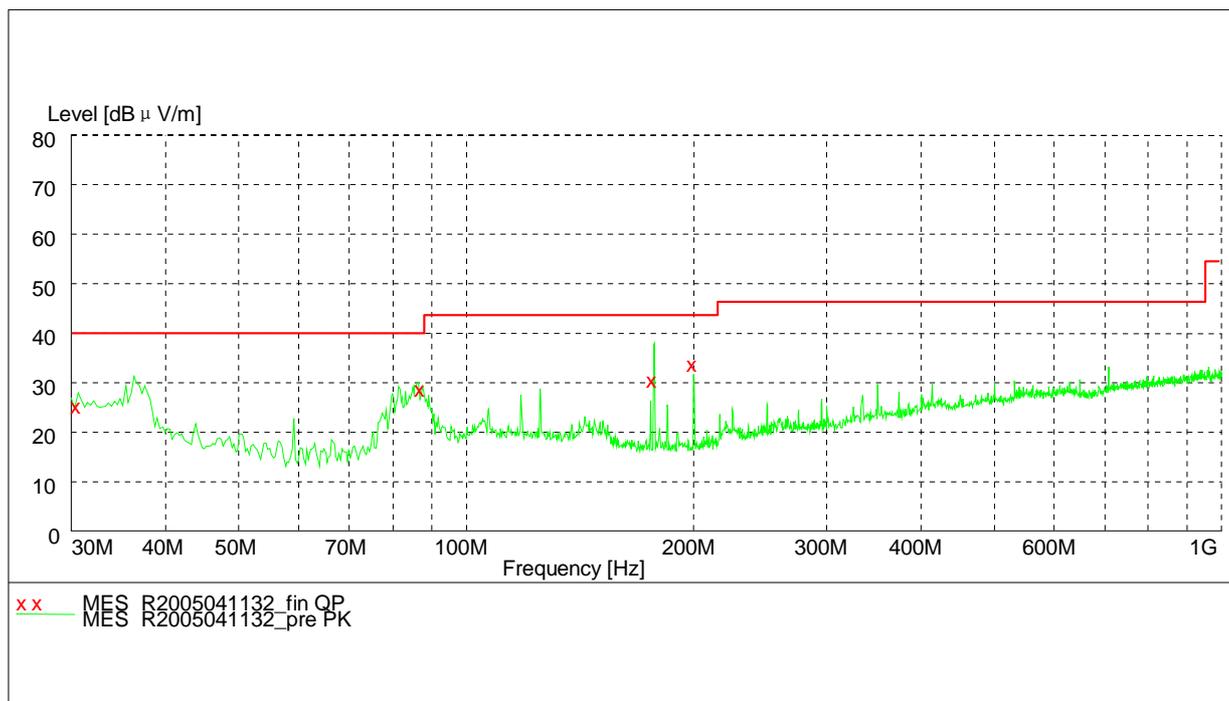
Appendix H

Radiated Emission Measurements

According to CFR 47 (FCC) part 15.207

RADIATED EMISSION TEST

Test result of BTS3606A:



MEASUREMENT RESULT: " R2005041132_fin QP"

| Frequency (MHz) | Level (dB μ V) | Transd (dB) | Limit (dB μ V) | Margin (dB) | Height (cm) | Azimuth (deg) | Polarisation |
|--------------------|-----------------------|----------------|-----------------------|----------------|----------------|------------------|--------------|
| 30.600000 | 26.10 | -3.7 | 40.0 | 13.9 | 112.0 | 95.00 | VERTICAL |
| 87.420000 | 29.50 | -12.5 | 40.0 | 10.5 | 111.0 | 303.00 | VERTICAL |
| 176.940000 | 31.40 | -11.0 | 43.5 | 12.1 | 100.0 | 280.00 | VERTICAL |
| 199.980000 | 34.60 | -10.7 | 43.5 | 8.9 | 100.0 | 0.00 | VERTICAL |

Appendix I

Photos of Test Set-up

Test Report No.: SYBH(E)25022005

Page 2 of 4

BTS3606A



Photo ERP Measurement 30 MHz – 1 GHz

Test Report No.: SYBH(E)25022005

Page 3 of 4



Photo ERP measurement 1 GHz – 10 GHz

BTS3606A

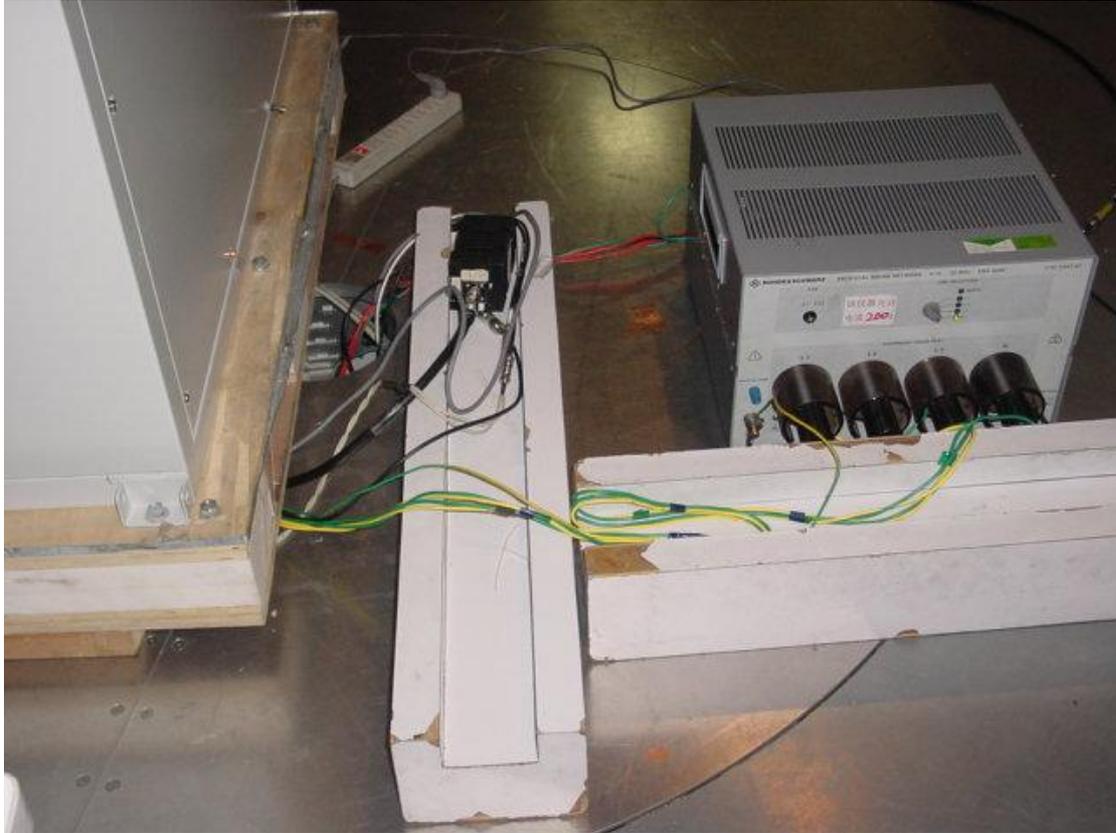


Photo Conducted Emission Measurement