ATTACHMENT D – TEST PLOTS

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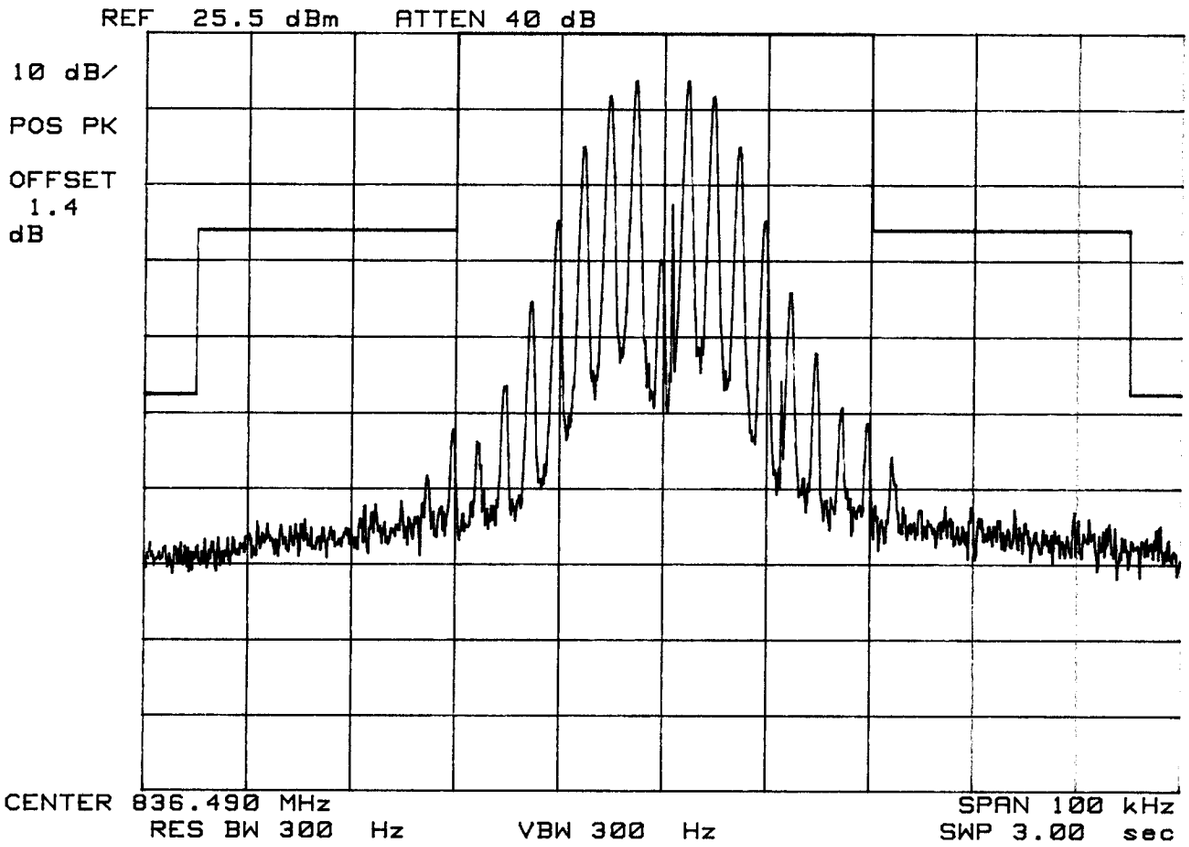
SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA205
SAMSUNG
DUAL MODE
FM Channel 0383
Operating Frequency: 836.490 MHz
Output Power : 25.5 dBm

Test Mode:Voice

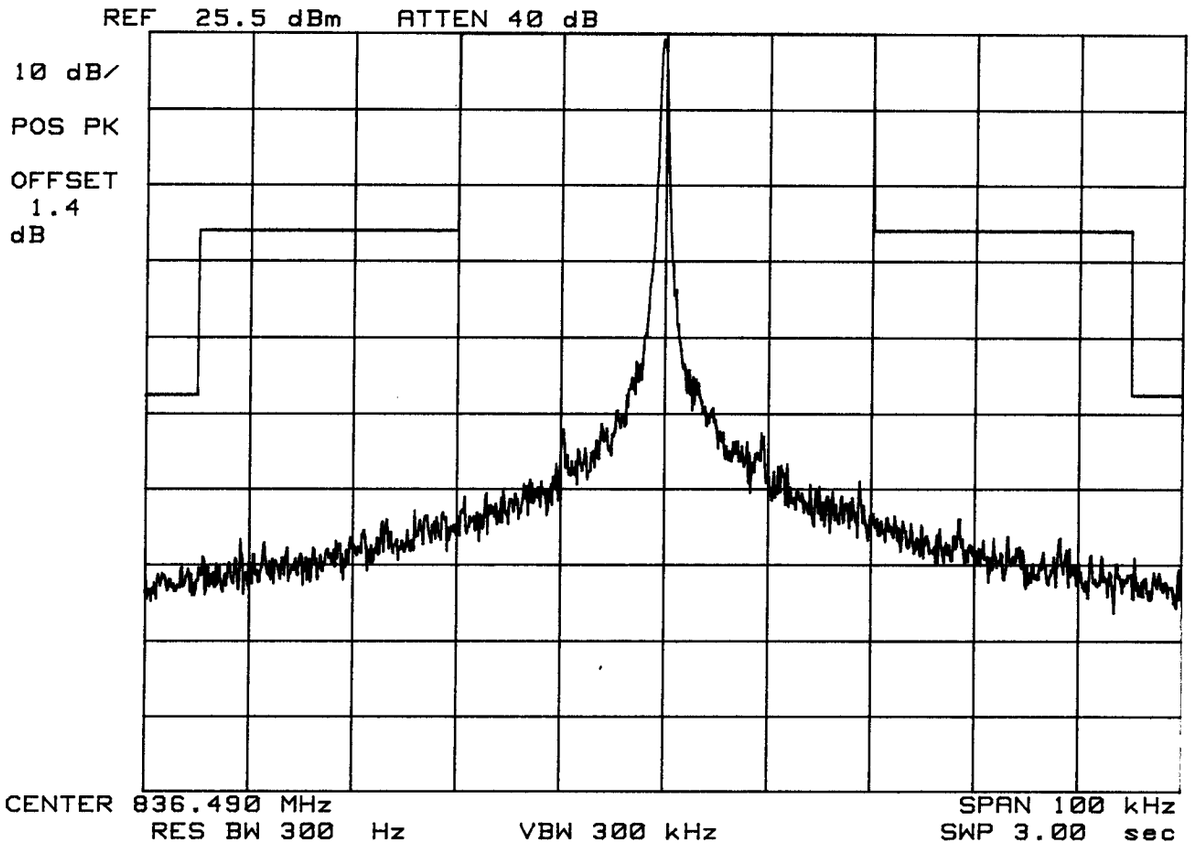


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA205
SAMSUNG
DUAL MODE
FM Channel 0383
Operating Frequency: 836.490 MHz
Output Power : 25.5 dBm

Test Mode:Unmodulated Signal

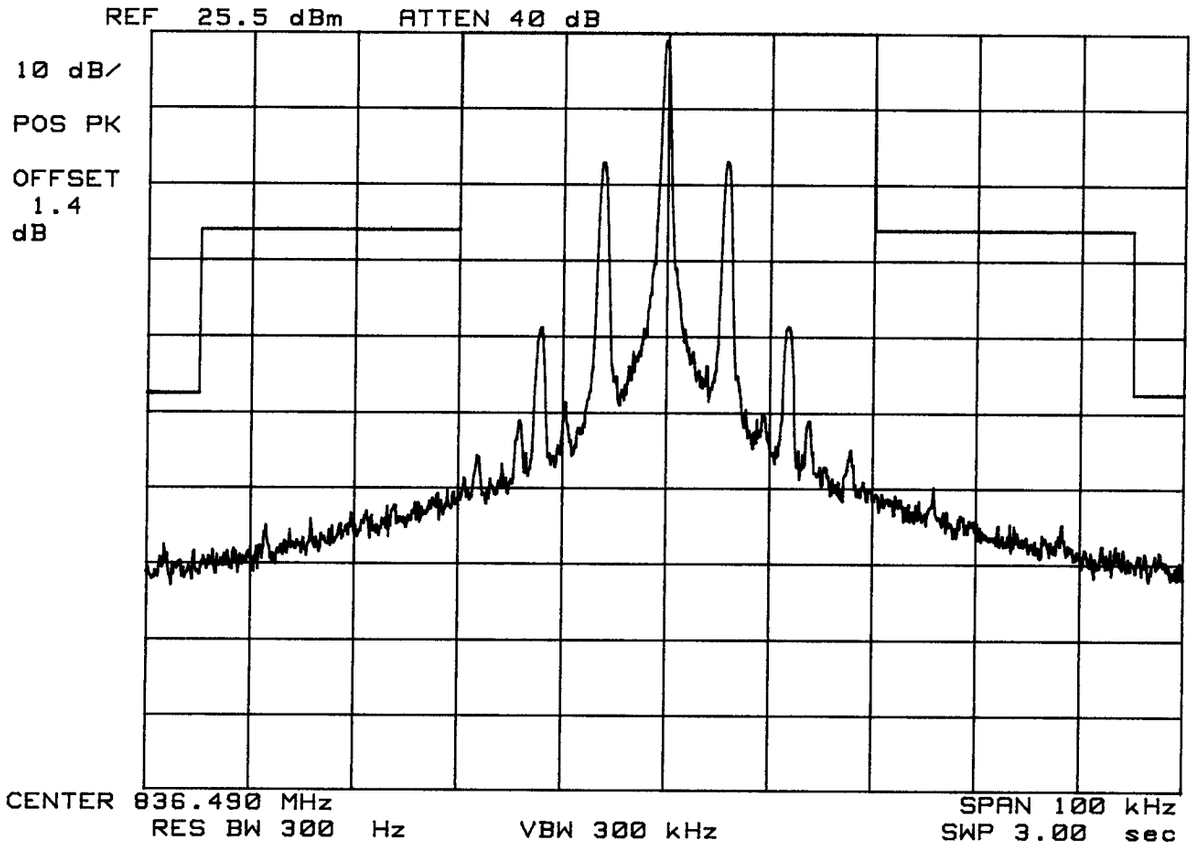


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA205
SAMSUNG
DUAL MODE
FM Channel 0383
Operating Frequency: 836.490 MHz
Output Power : 25.5 dBm

Test Mode:SAT



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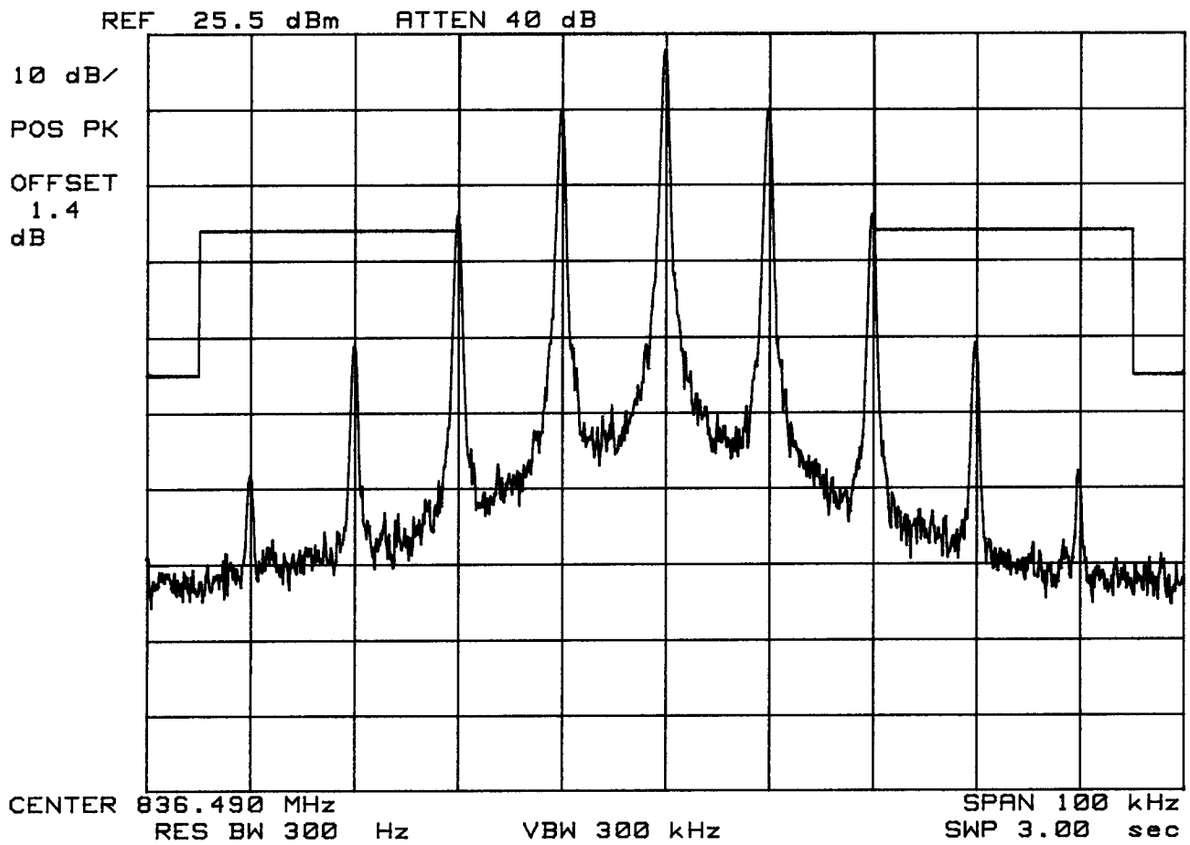
SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA205
SAMSUNG
DUAL MODE
FM Channel 0383
Operating Frequency: 836.490 MHz
Output Power : 25.5 dBm

Test Mode:ST

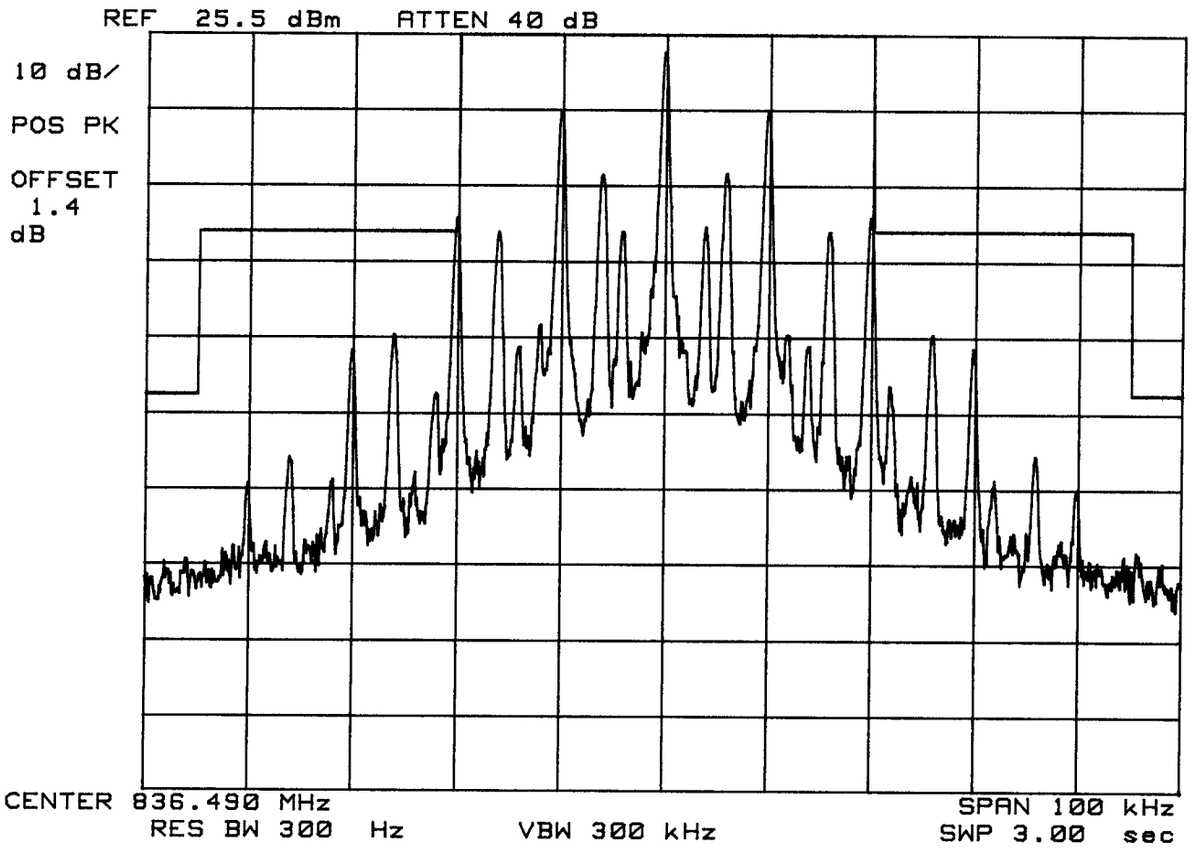


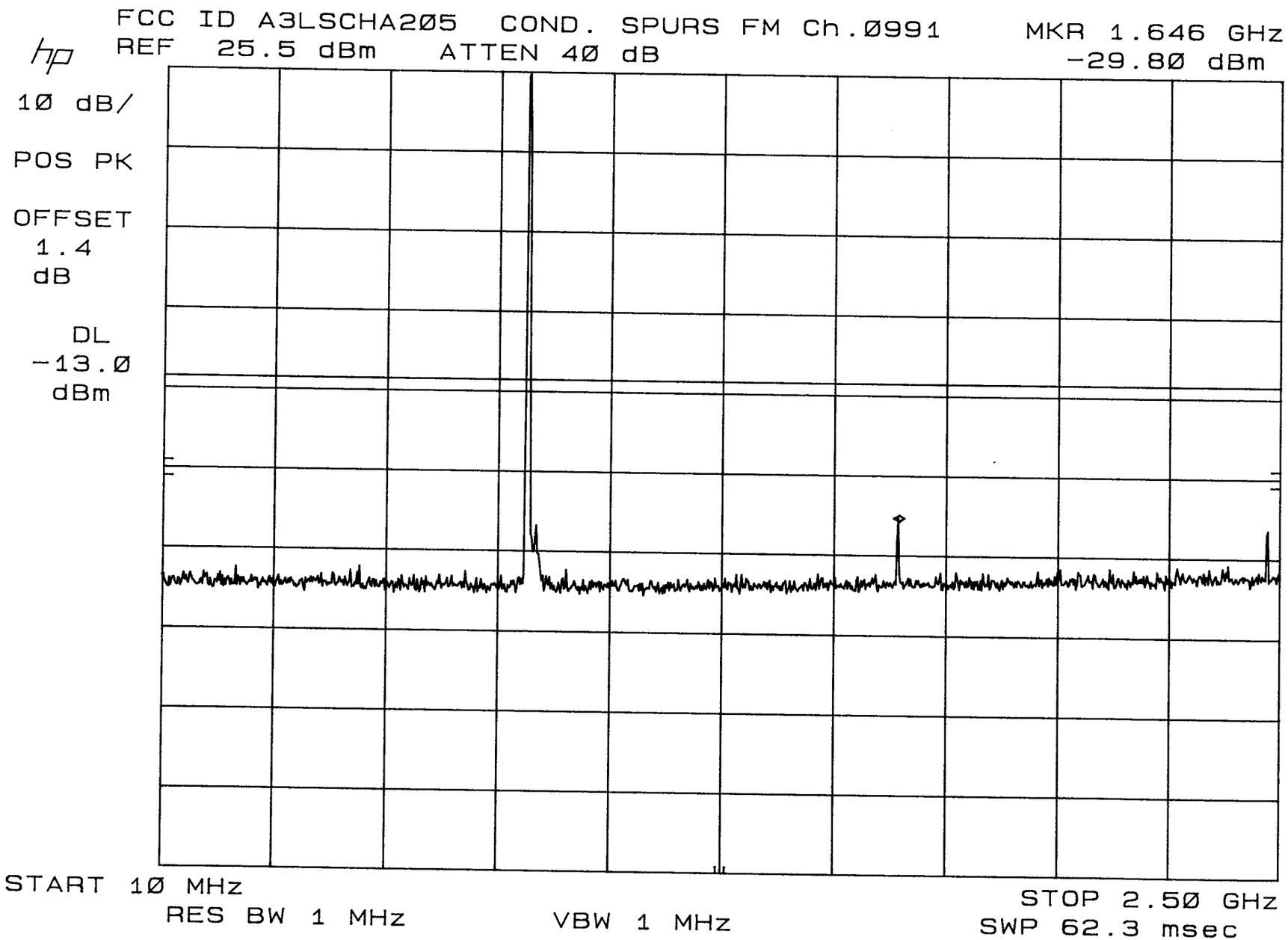
PCTEST Engineering Lab.

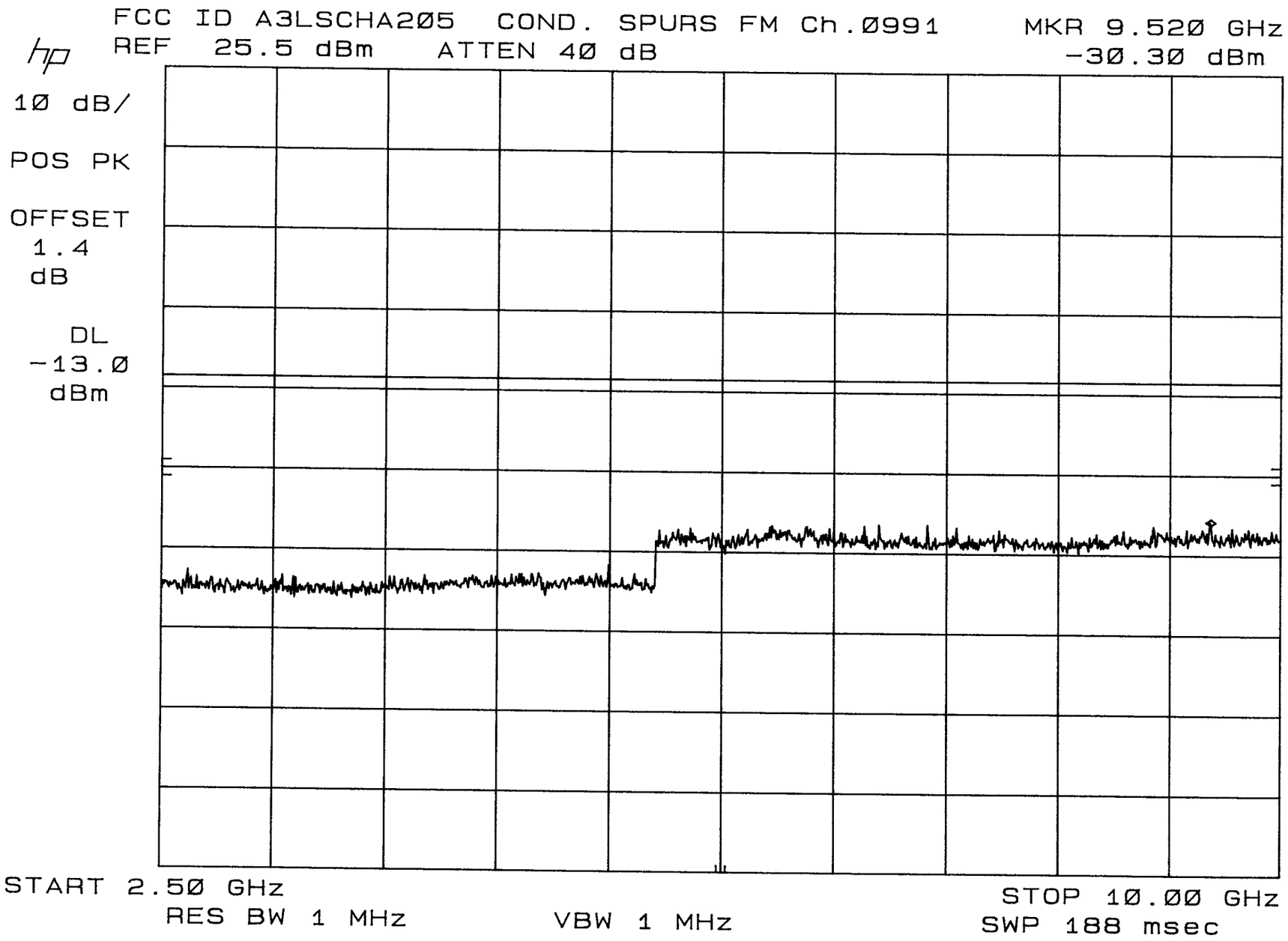
SPECTRUM ANALYZER PRESENTATION

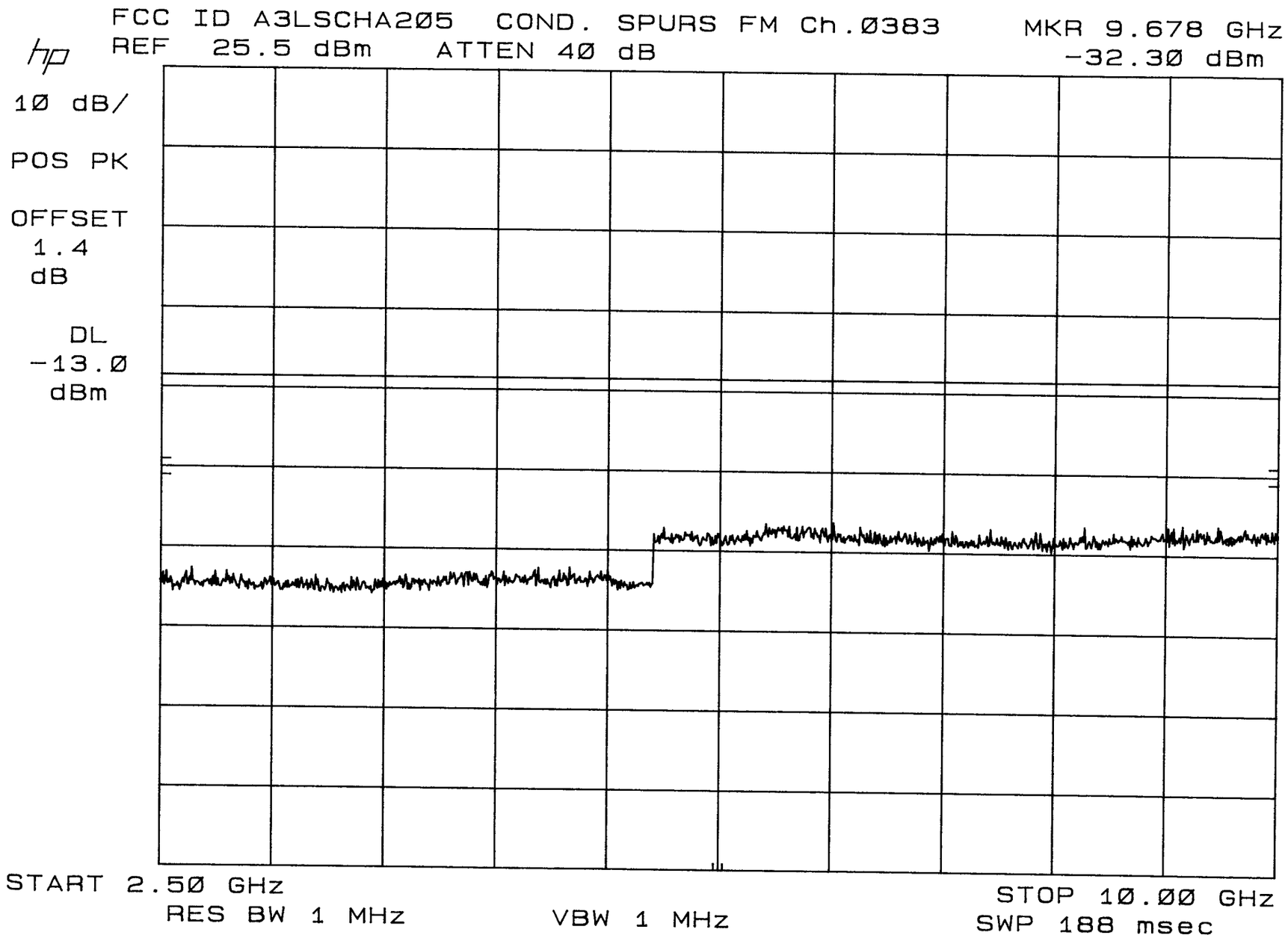
FCC ID:A3LSCHA205
SAMSUNG
DUAL MODE
FM Channel 0383
Operating Frequency: 836.490 MHz
Output Power : 25.5 dBm

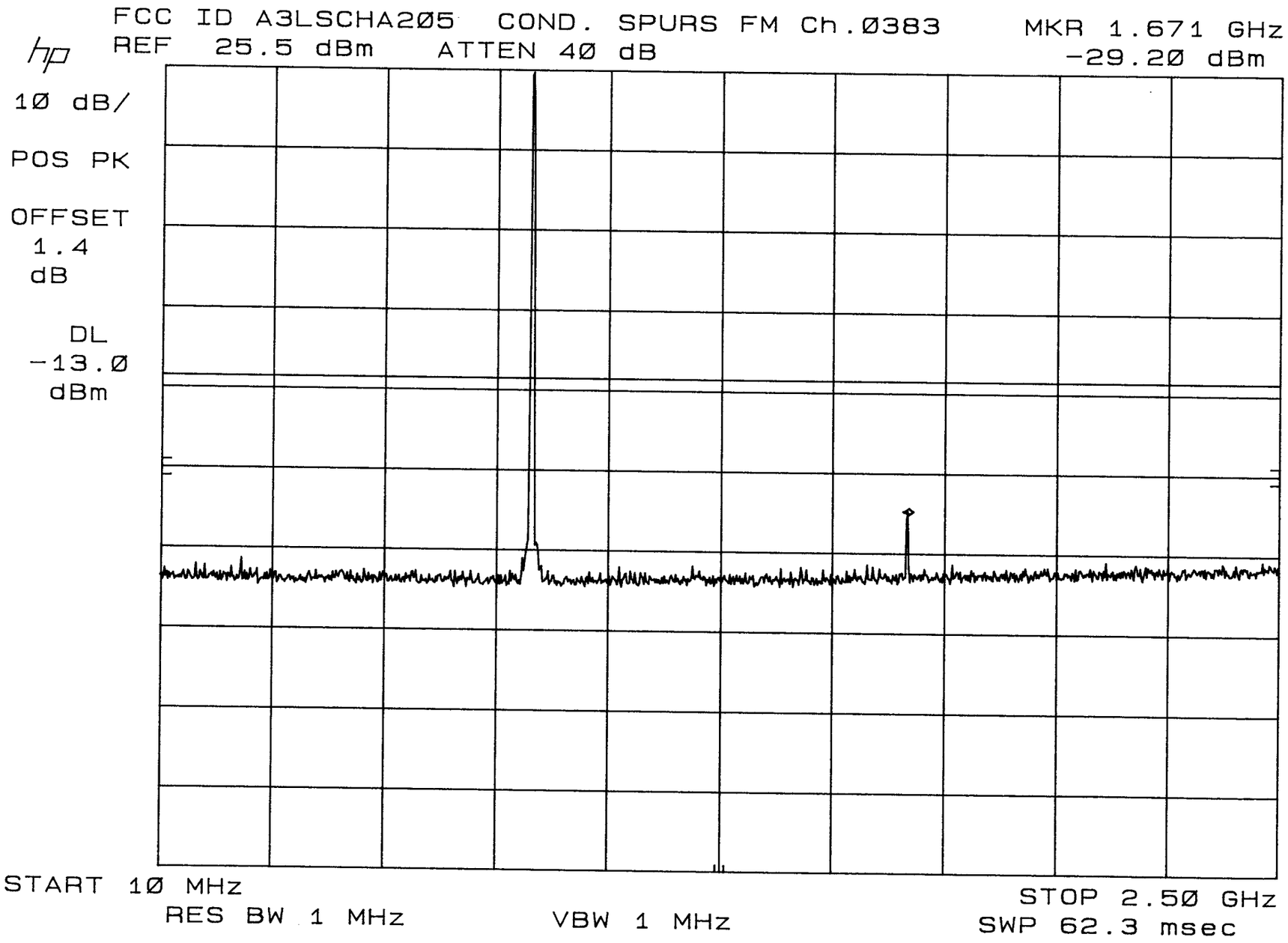
Test Mode:SAT + ST

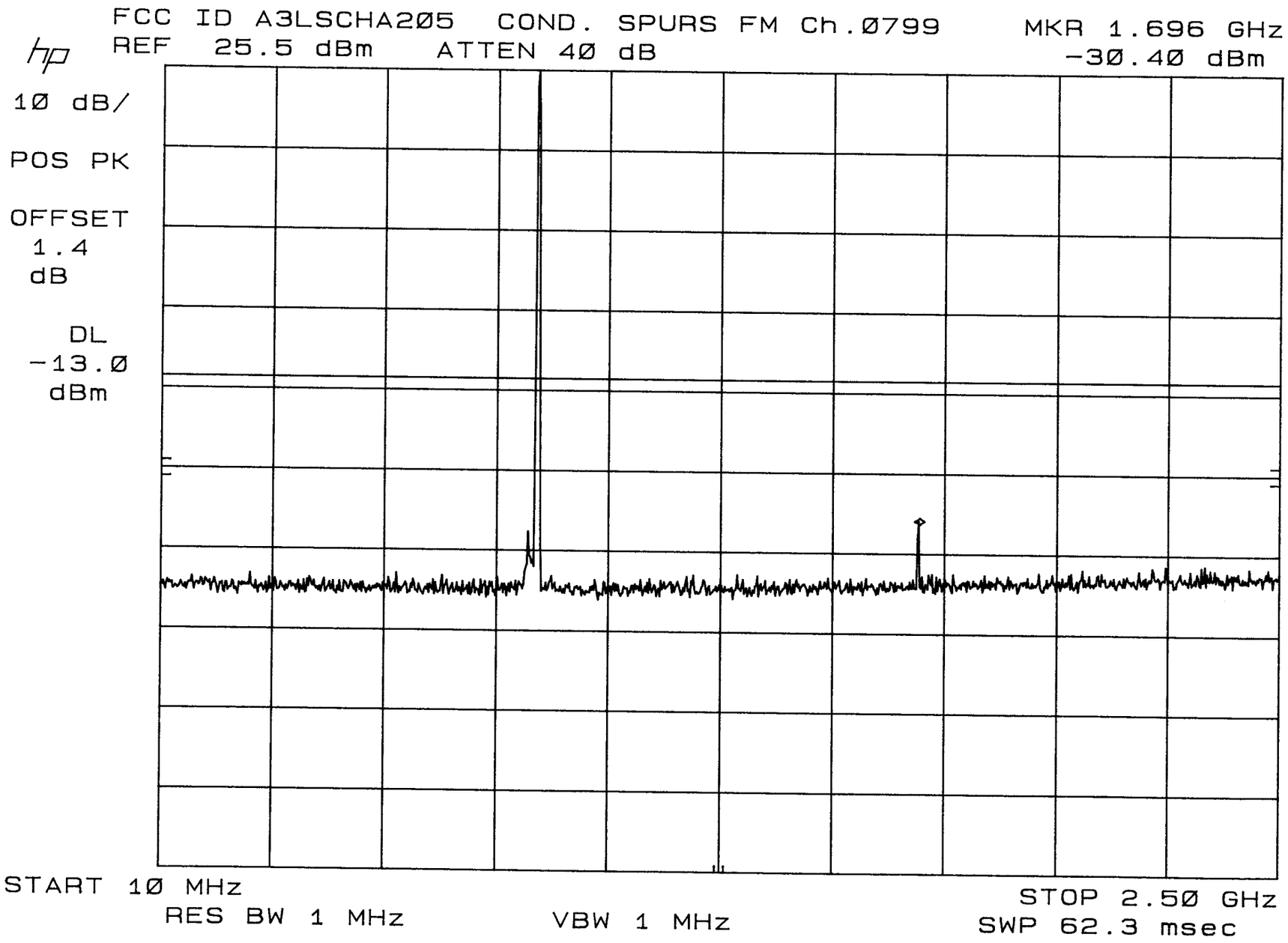


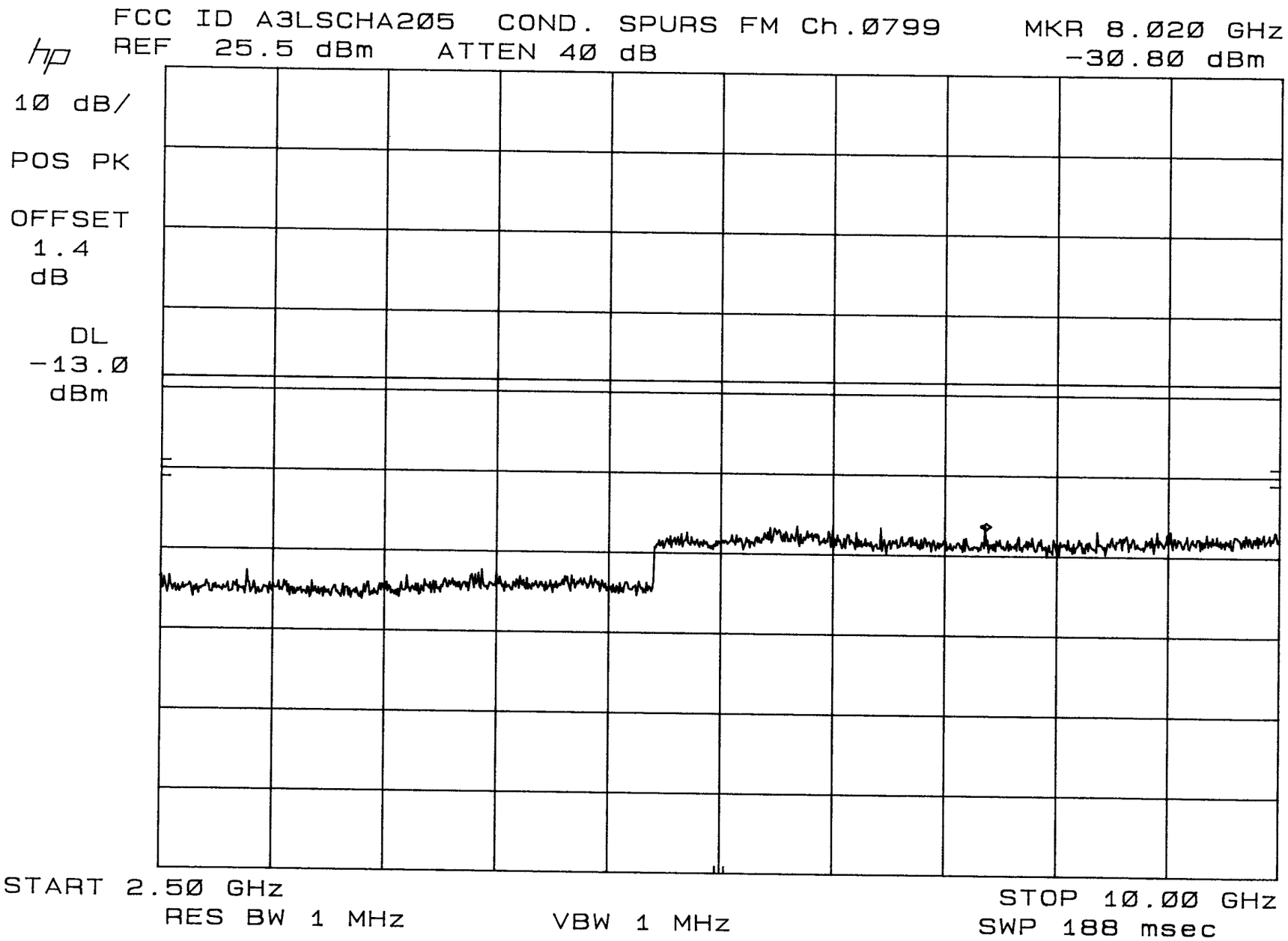

FCC ID A3LSCHA205 COND. SPURS FM Ch.0991
MKR 1.646 GHz
REF 25.5 dBm ATTEN 40 dB
-29.80 dBm
10 dB/
POS PK
OFFSET
1.4
dB
DL
-13.0
dBm
START 10 MHz
STOP 2.50 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 62.3 msec

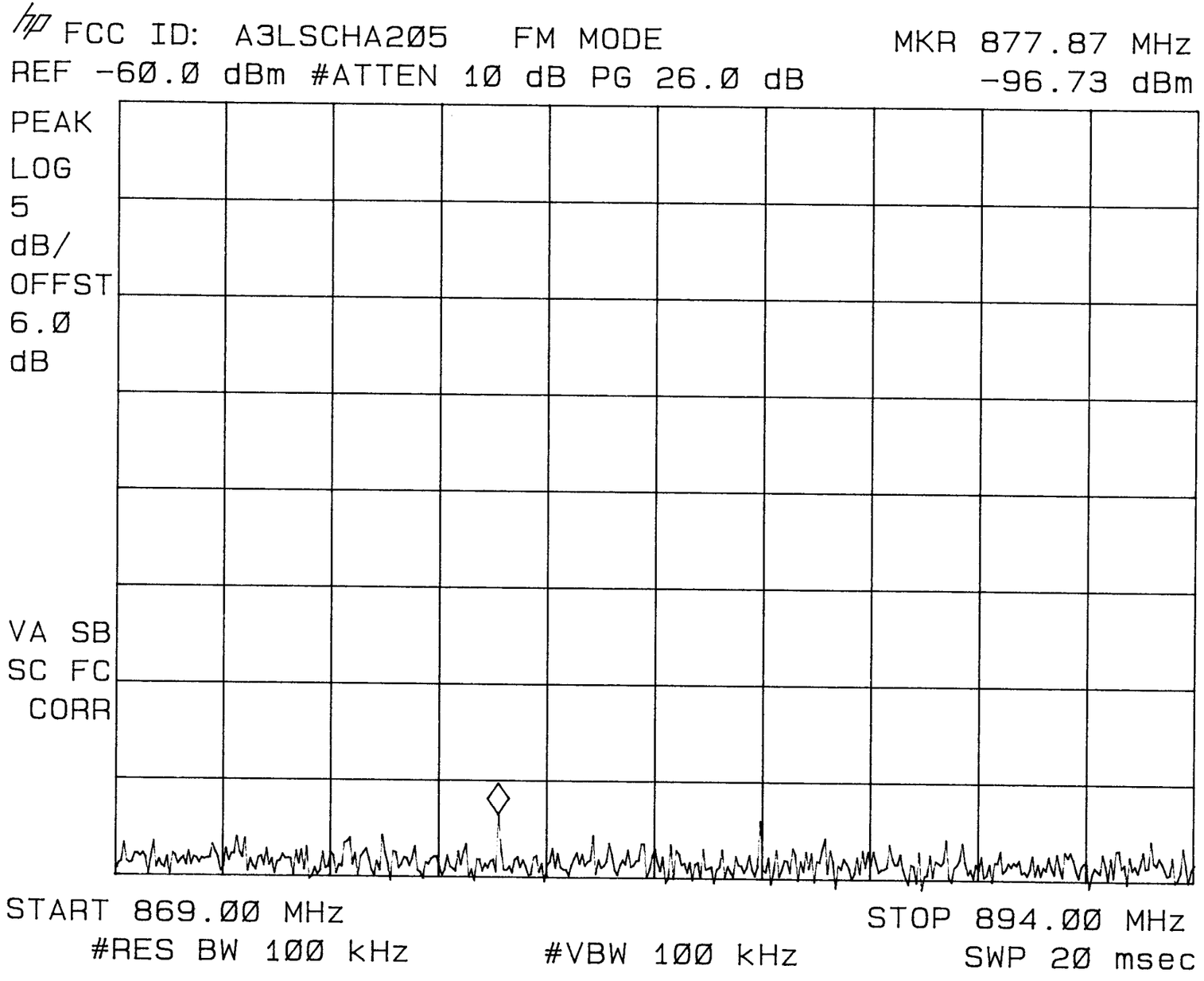

FCC ID A3LSCHA205 COND. SPURS FM Ch.0991
MKR 9.520 GHz
REF 25.5 dBm
ATTEN 40 dB
-30.30 dBm
10 dB/
POS PK
OFFSET
1.4
dB
DL
-13.0
dBm
START 2.500 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 10.000 GHz
SWP 188 msec

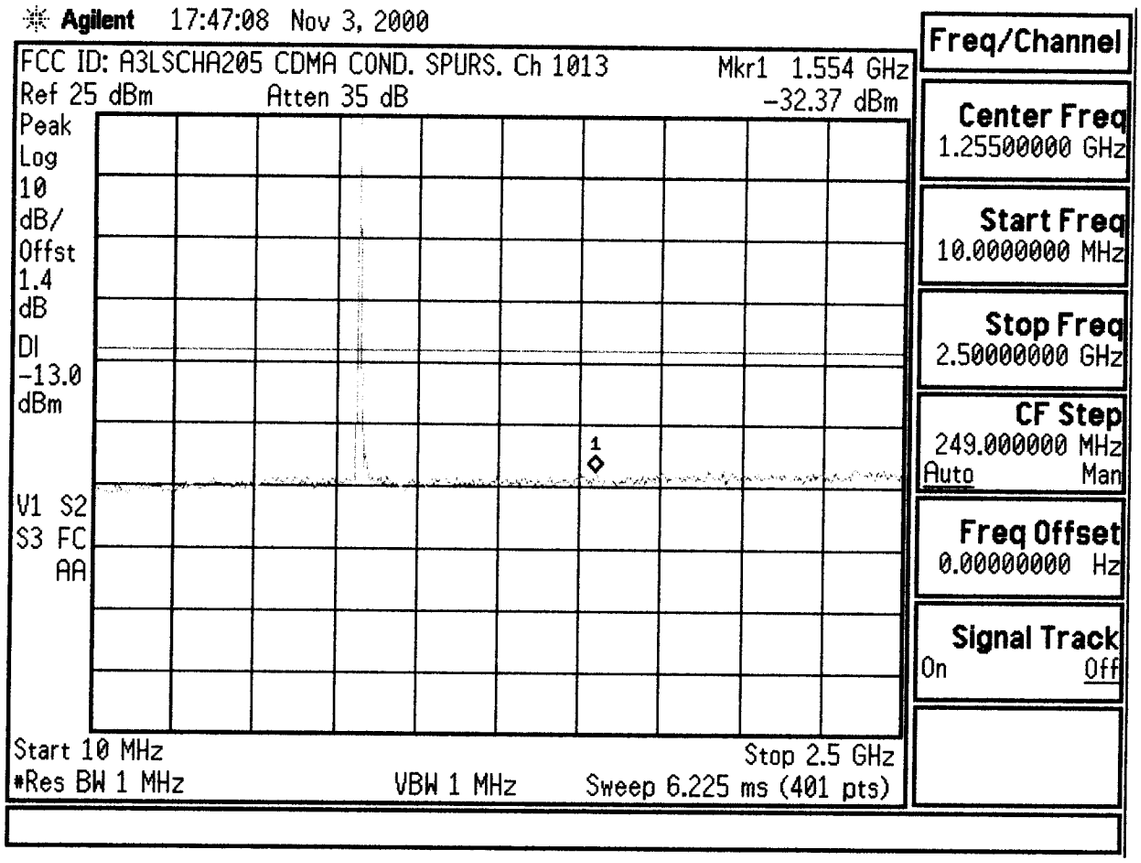

FCC ID A3LSCHA205 COND. SPURS FM Ch.0383
REF 25.5 dBm ATTEN 40 dB
MKR 9.678 GHz
-32.30 dBm
10 dB/
POS PK
OFFSET
1.4
dB
DL
-13.0
dBm
START 2.50 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 10.00 GHz
SWP 188 msec

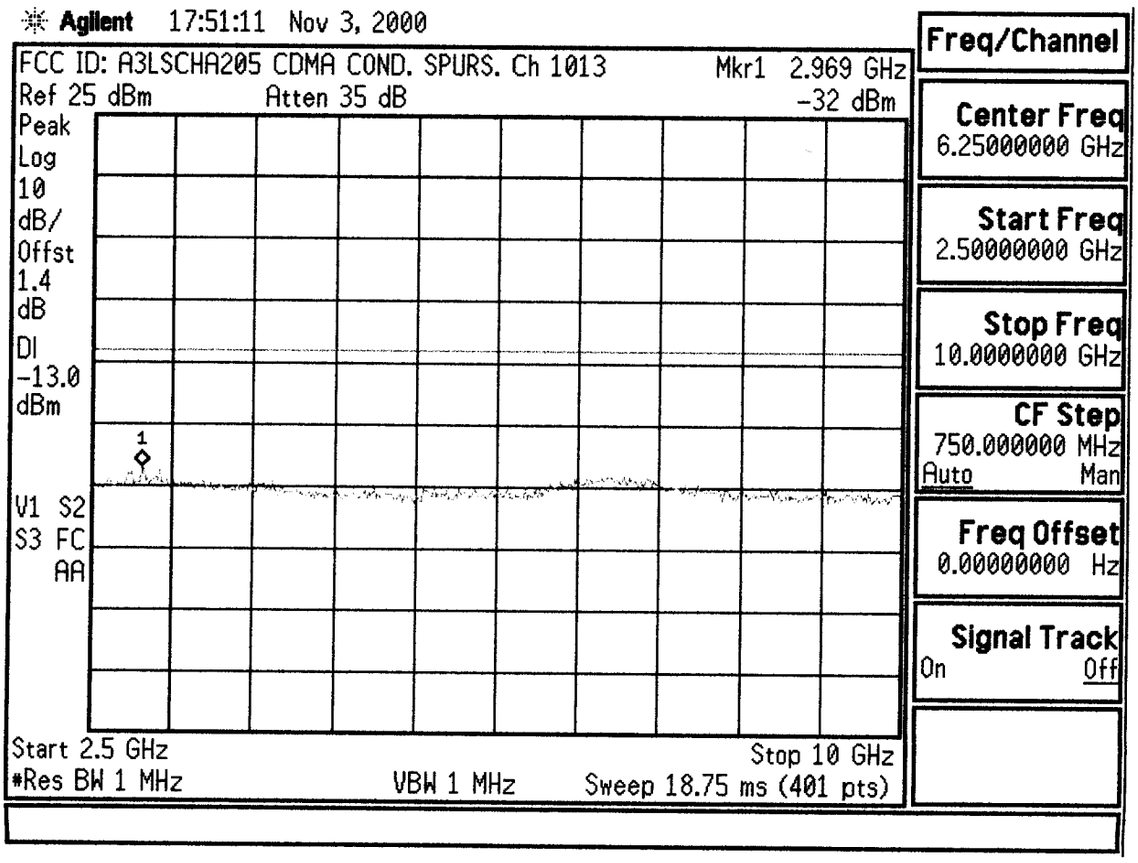

FCC ID A3LSCHA205 COND. SPURS FM Ch.0383
MKR 1.671 GHz
REF 25.5 dBm
ATTEN 40 dB
-29.20 dBm
10 dB/
POS PK
OFFSET
1.4
dB
DL
-13.0
dBm
START 10 MHz
STOP 2.50 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 62.3 msec

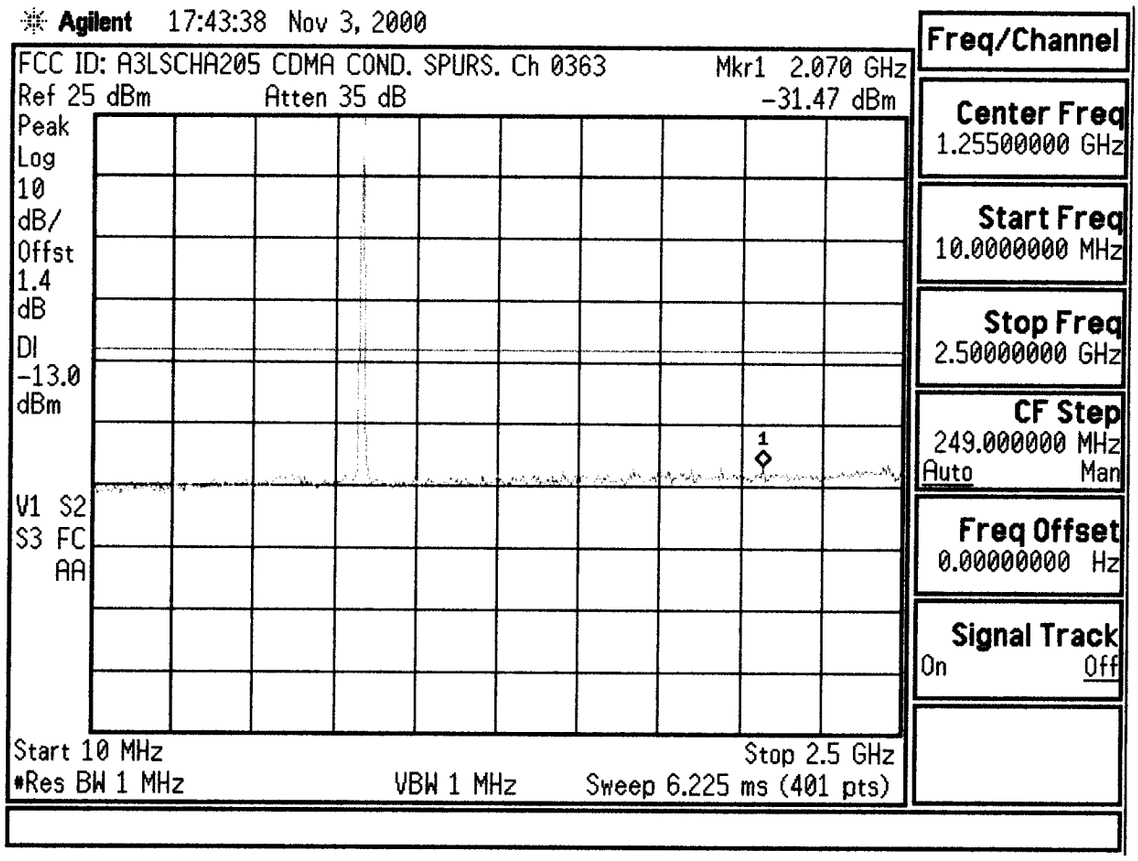

FCC ID A3LSCHA205 COND. SPURS FM Ch.0799
MKR 1.696 GHz
REF 25.5 dBm ATTEN 40 dB
-30.40 dBm
10 dB/
POS PK
OFFSET
1.4
dB
DL
-13.0
dBm
START 10 MHz
STOP 2.50 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 62.3 msec

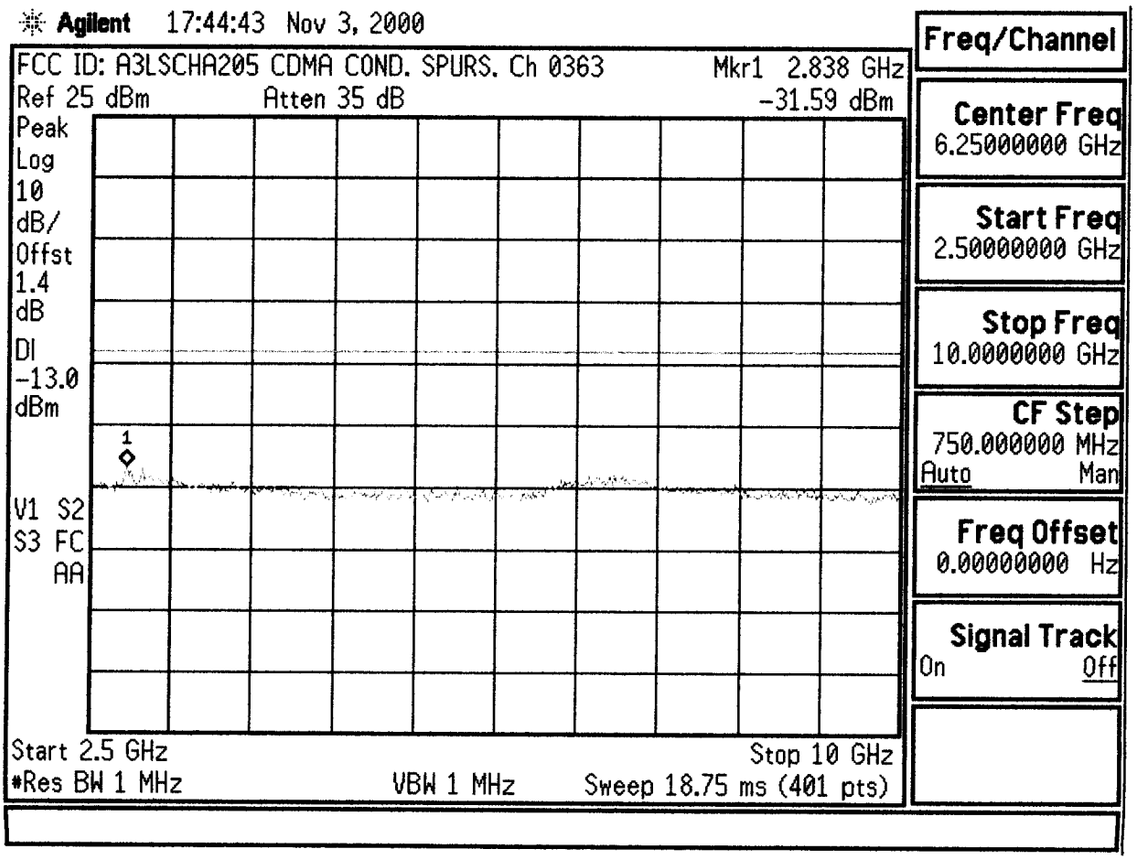

FCC ID A3LSCHA205 COND. SPURS FM Ch.0799
REF 25.5 dBm ATTEN 40 dB
MKR 8.020 GHz
-30.80 dBm
10 dB/
POS PK
OFFSET
1.4
dB
DL
-13.0
dBm
START 2.500 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 10.000 GHz
SWP 188 msec

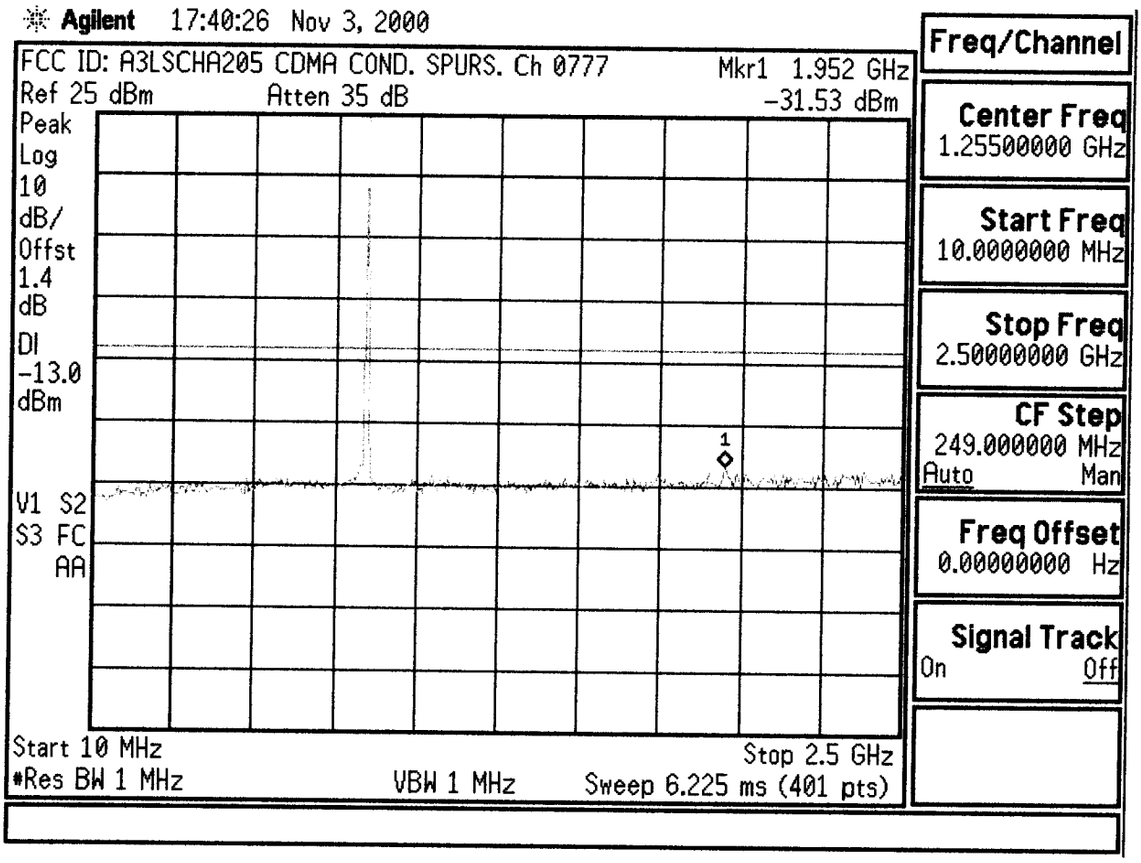

FCC ID: A3LSCHA205 FM MODE
MKR 877.87 MHz
REF -60.0 dBm #ATTEN 10 dB PG 26.0 dB
-96.73 dBm
PEAK
LOG
5
dB/
OFFST
6.0
dB
VA SB
SC FC
CORR
START 869.00 MHz
STOP 894.00 MHz
#RES BW 100 kHz
#VBW 100 kHz
SWP 20 msec

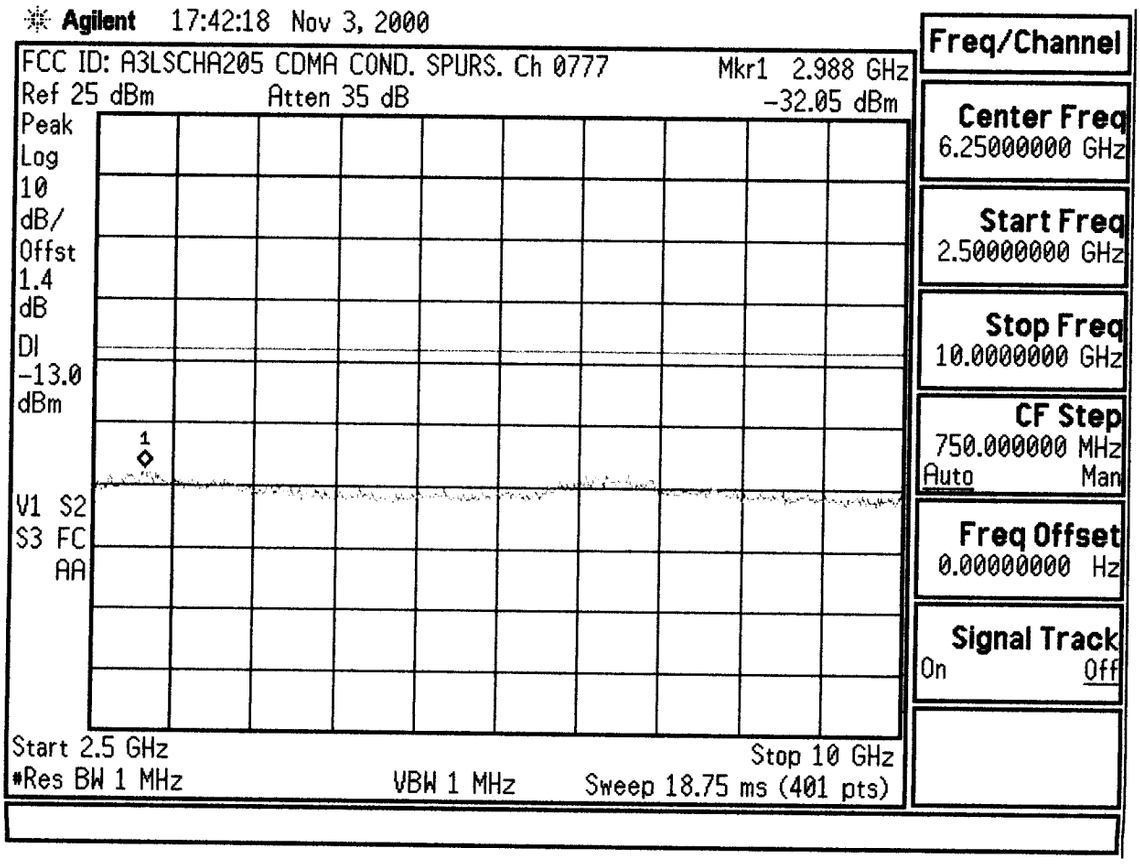

Agilent 17:47:08 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA COND. SPURS. Ch 1013
Mkr1 1.554 GHz
Ref 25 dBm
Atten 35 dB
-32.37 dBm
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

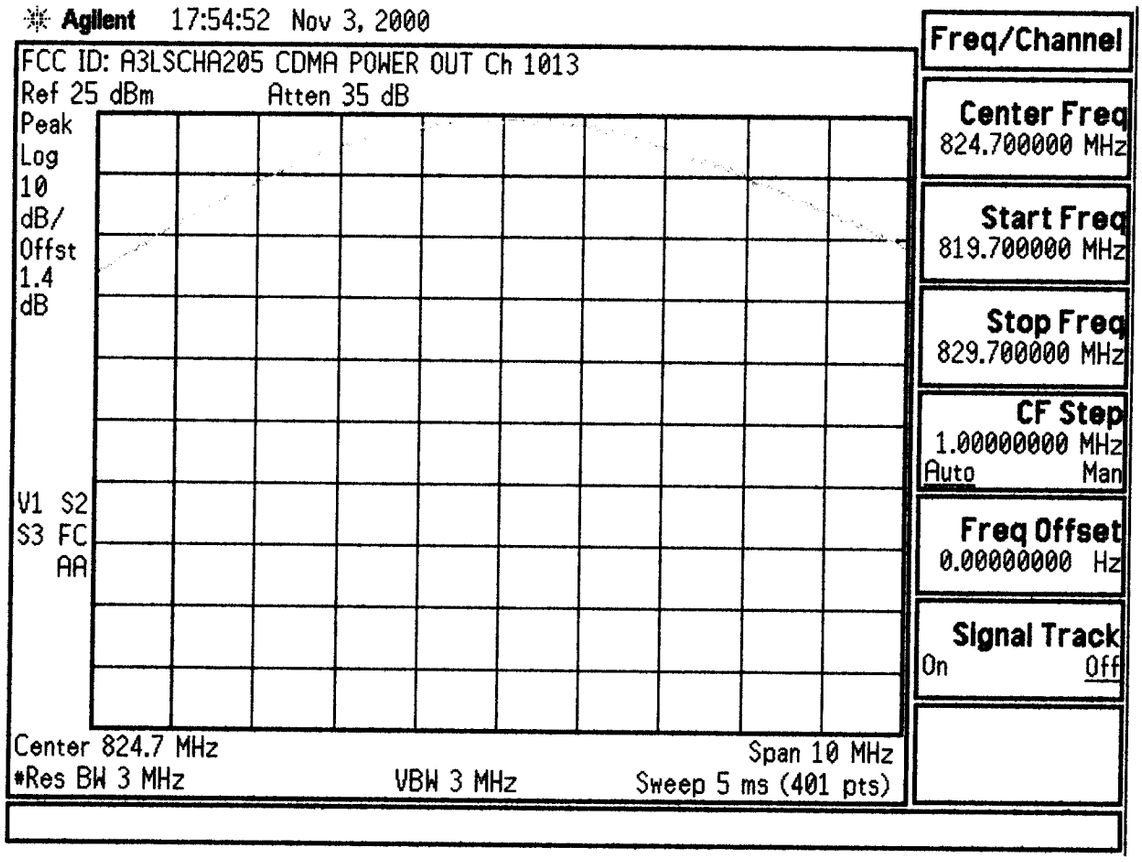

Agilent 17:51:11 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA COND. SPURS. Ch 1013
Mkr1 2.969 GHz
Ref 25 dBm
Atten 35 dB
-32 dBm
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

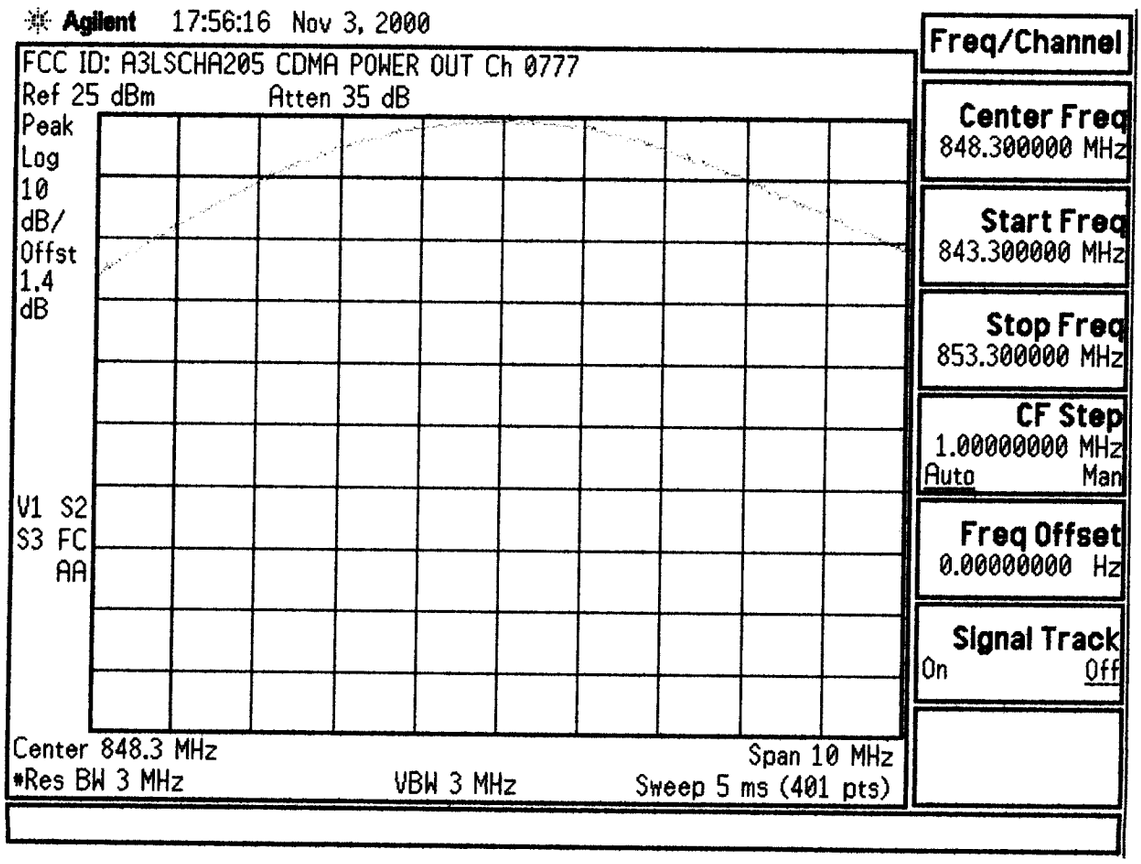

Agilent 17:43:38 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA COND. SPURS. Ch 0363
Mkr1 2.070 GHz
Ref 25 dBm
Atten 35 dB
-31.47 dBm
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

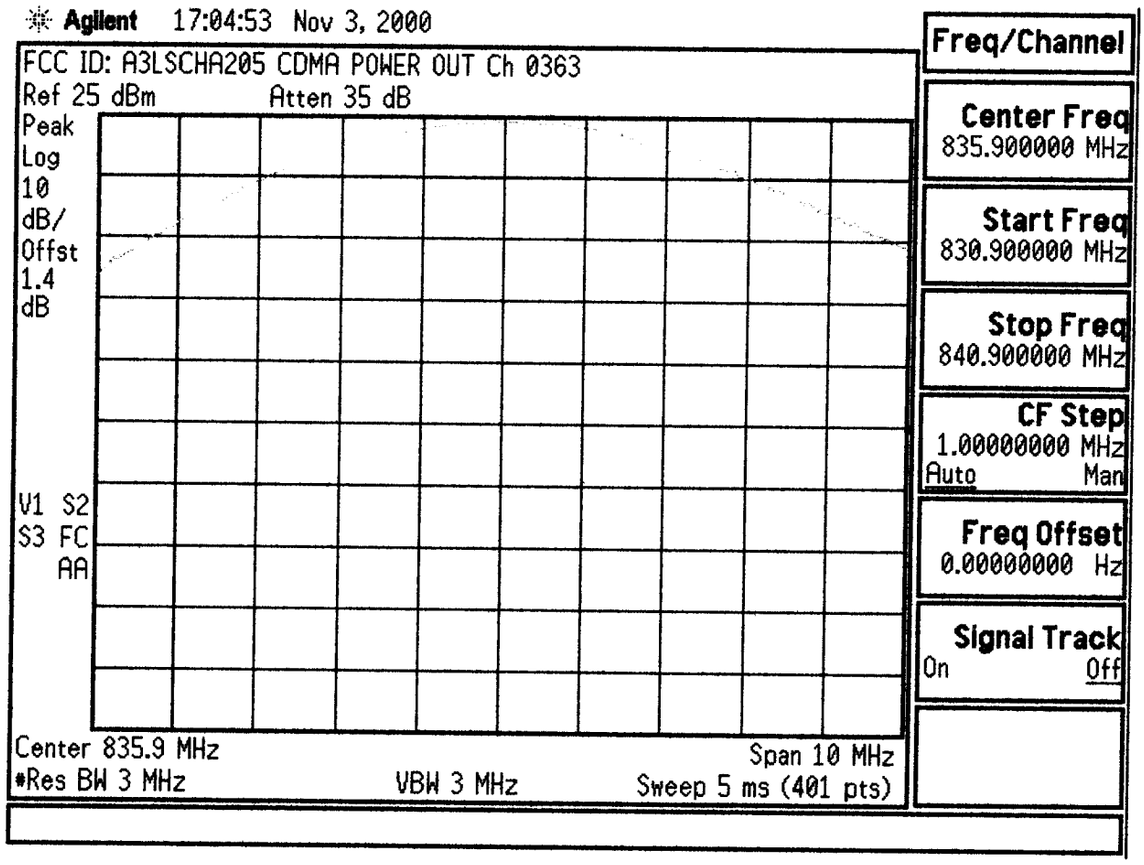

Agilent 17:44:43 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA COND. SPURS. Ch 0363
Mkr1 2.838 GHz
Ref 25 dBm
Atten 35 dB
-31.59 dBm
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

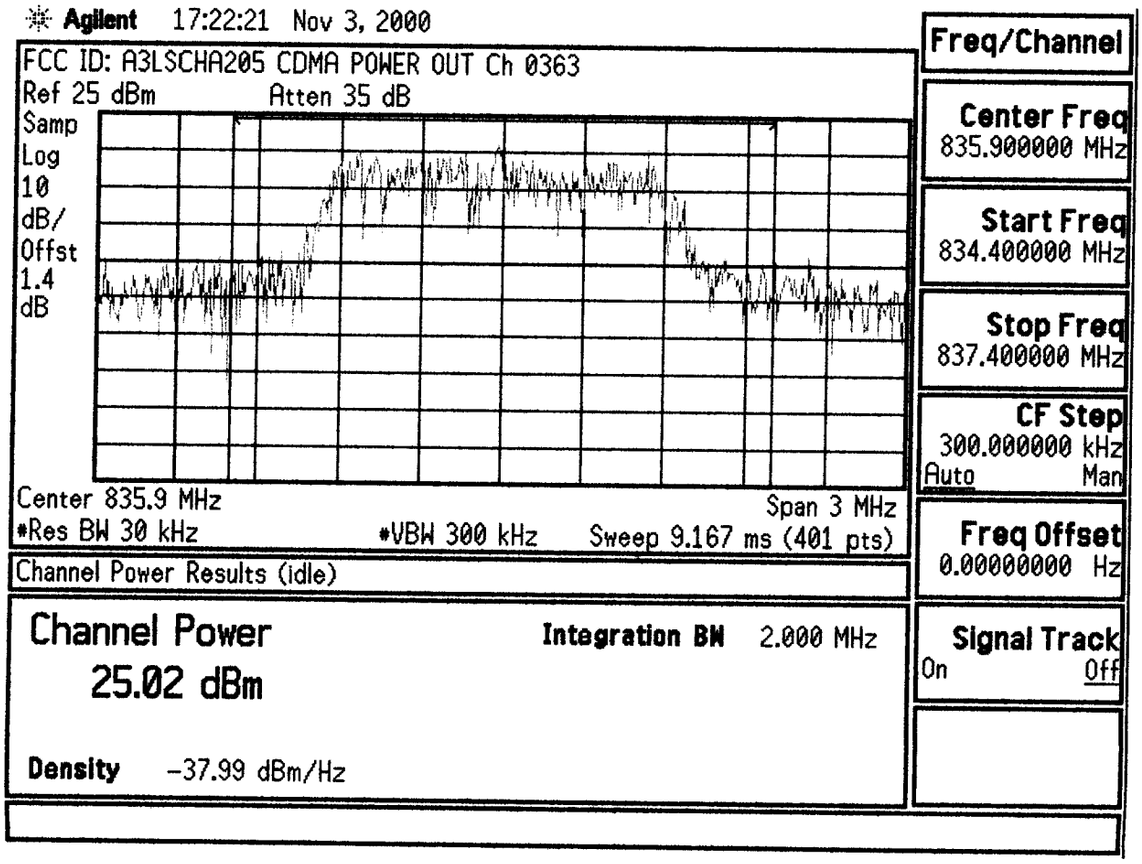

Agilent 17:40:26 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA COND. SPURS. Ch 0777
Mkr1 1.952 GHz
Ref 25 dBm
Atten 35 dB
-31.53 dBm
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

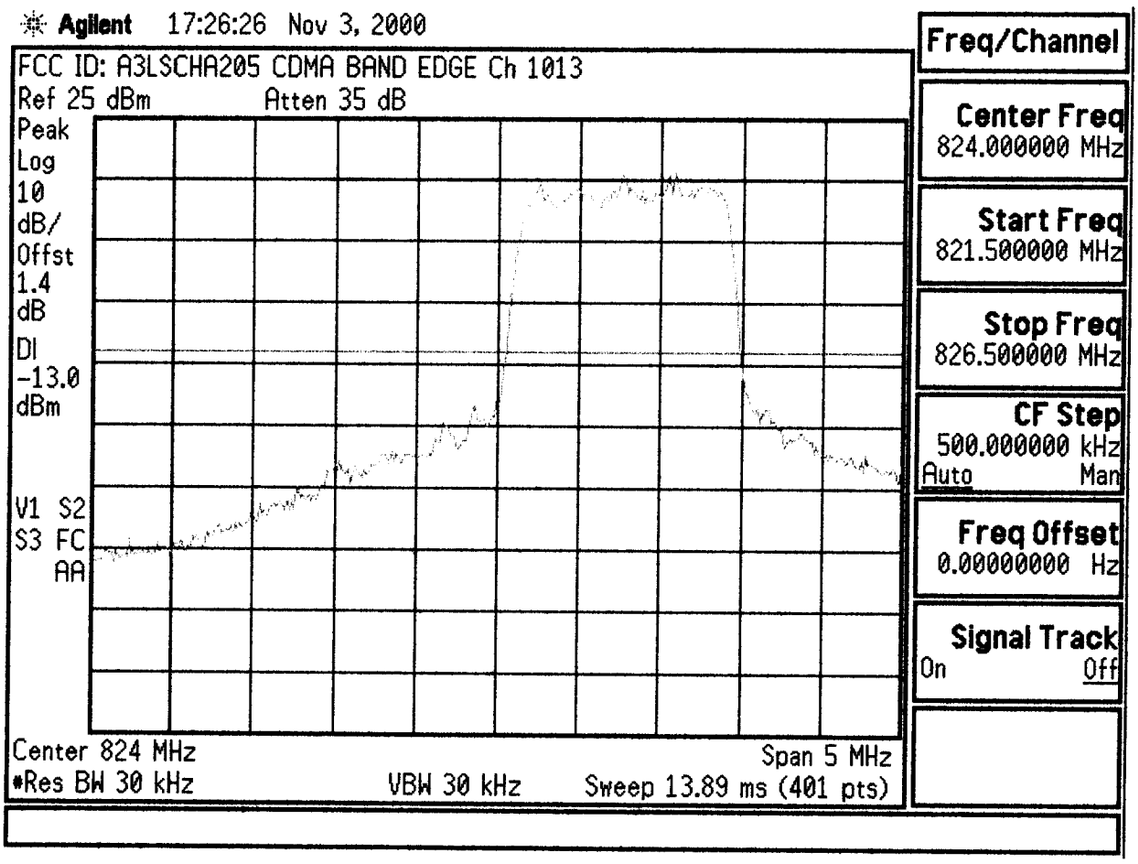

Agilent 17:42:18 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA COND. SPURS. Ch 0777
Mkr1 2.988 GHz
Ref 25 dBm
Atten 35 dB
-32.05 dBm
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

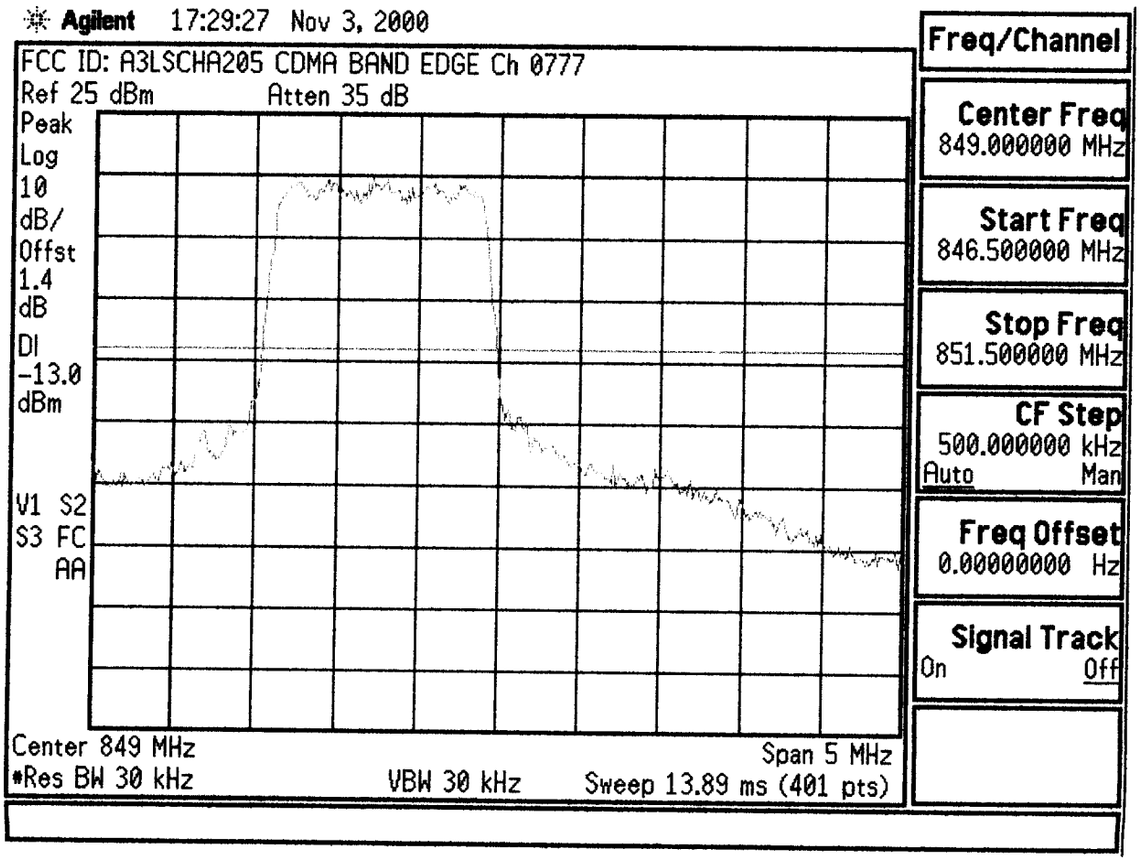

Agilent 17:54:52 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA POWER OUT Ch 1013
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
1.4
dB
V1 S2
S3 FC
AA
Center 824.7 MHz
#Res BW 3 MHz
VBW 3 MHz
Span 10 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
824.700000 MHz
Start Freq
819.700000 MHz
Stop Freq
829.700000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 17:56:16 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA POWER OUT Ch 0777
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
1.4
dB
V1 S2
S3 FC
AA
Center 848.3 MHz
#Res BW 3 MHz
VBW 3 MHz
Span 10 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
848.300000 MHz
Start Freq
843.300000 MHz
Stop Freq
853.300000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 17:04:53 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA POWER OUT Ch 0363
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
1.4
dB
V1 S2
S3 FC
AA
Center 835.9 MHz
#Res BW 3 MHz
VBW 3 MHz
Span 10 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
835.900000 MHz
Start Freq
830.900000 MHz
Stop Freq
840.900000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 17:22:21 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA POWER OUT Ch 0363
Ref 25 dBm
Atten 35 dB
Samp
Log
10
dB/
Offst
1.4
dB
Center 835.9 MHz
#Res BW 30 kHz
#VBW 300 kHz
Span 3 MHz
Sweep 9.167 ms (401 pts)
Channel Power Results (idle)
Channel Power
25.02 dBm
Integration BW 2.000 MHz
Density -37.99 dBm/Hz
Freq/Channel
Center Freq
835.900000 MHz
Start Freq
834.400000 MHz
Stop Freq
837.400000 MHz
CF Step
300.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 17:26:26 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA BAND EDGE Ch 1013
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 824 MHz
#Res BW 30 kHz
VBW 30 kHz
Span 5 MHz
Sweep 13.89 ms (401 pts)
Freq/Channel
Center Freq
824.000000 MHz
Start Freq
821.500000 MHz
Stop Freq
826.500000 MHz
CF Step
500.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

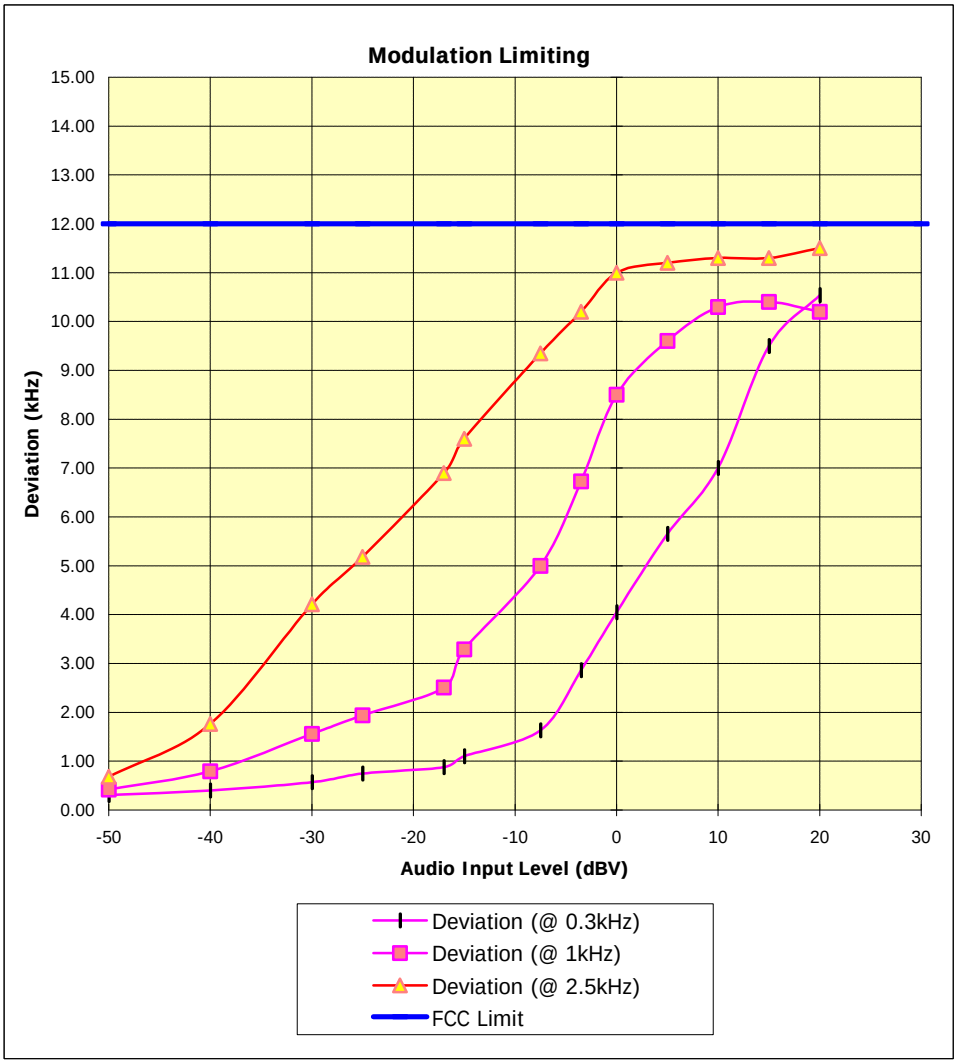

Agilent 17:29:27 Nov 3, 2000
FCC ID: A3LSCHA205 CDMA BAND EDGE Ch 0777
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
1.4
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 849 MHz
#Res BW 30 kHz
VBW 30 kHz
Span 5 MHz
Sweep 13.89 ms (401 pts)
Freq/Channel
Center Freq
849.000000 MHz
Start Freq
846.500000 MHz
Stop Freq
851.500000 MHz
CF Step
500.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.201023533.A3L
Test Date: 10.26.2000

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)
Model: *SCH-A205*
FCC ID: **A3LSCHA205**

MODE: Audio 1V = 0dB @ 2.5 kHz

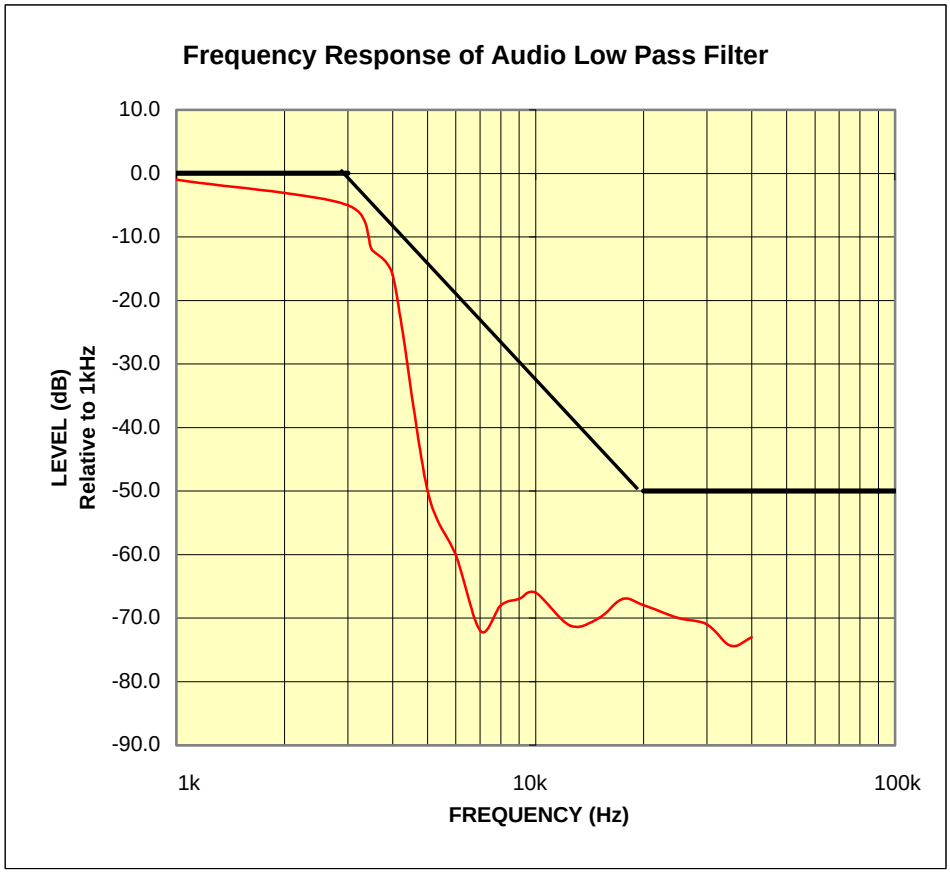


SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.201023533.A3L
Test Date: 10.26.2000

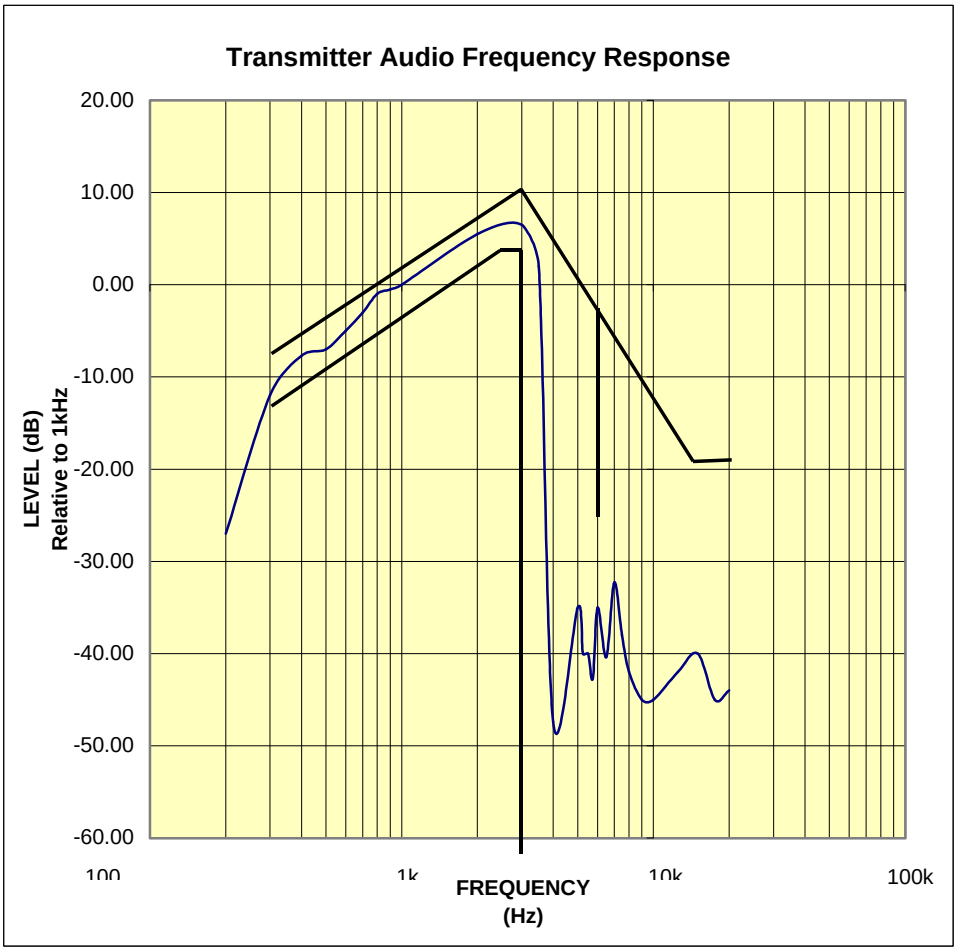
EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)
Model: *SCH-A205*
FCC ID: **A3LSCHA205**

REFERENCE: 1 kHz = 0 dB



SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.201023533.A3L
Test Date: 10.26.2000

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)
Model: *SCH-A205*
FCC ID: **A3LSCHA205**

REFERENCE: 1 kHz = 0 dB