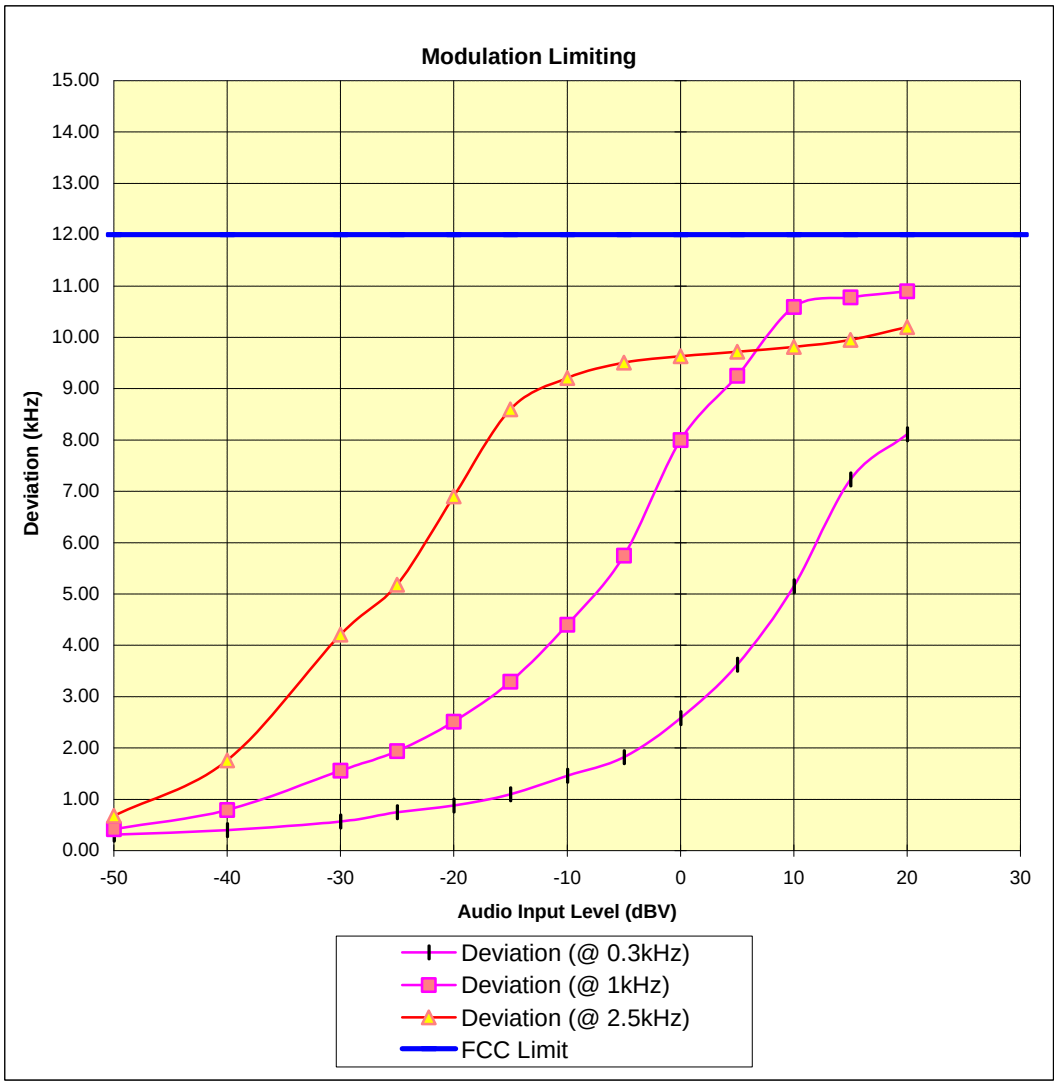
SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.980826586.A3L
Test Date: 09.17.1998

EUT: SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
Model: *SCH-370*
FCC ID: **A3LSCH370**

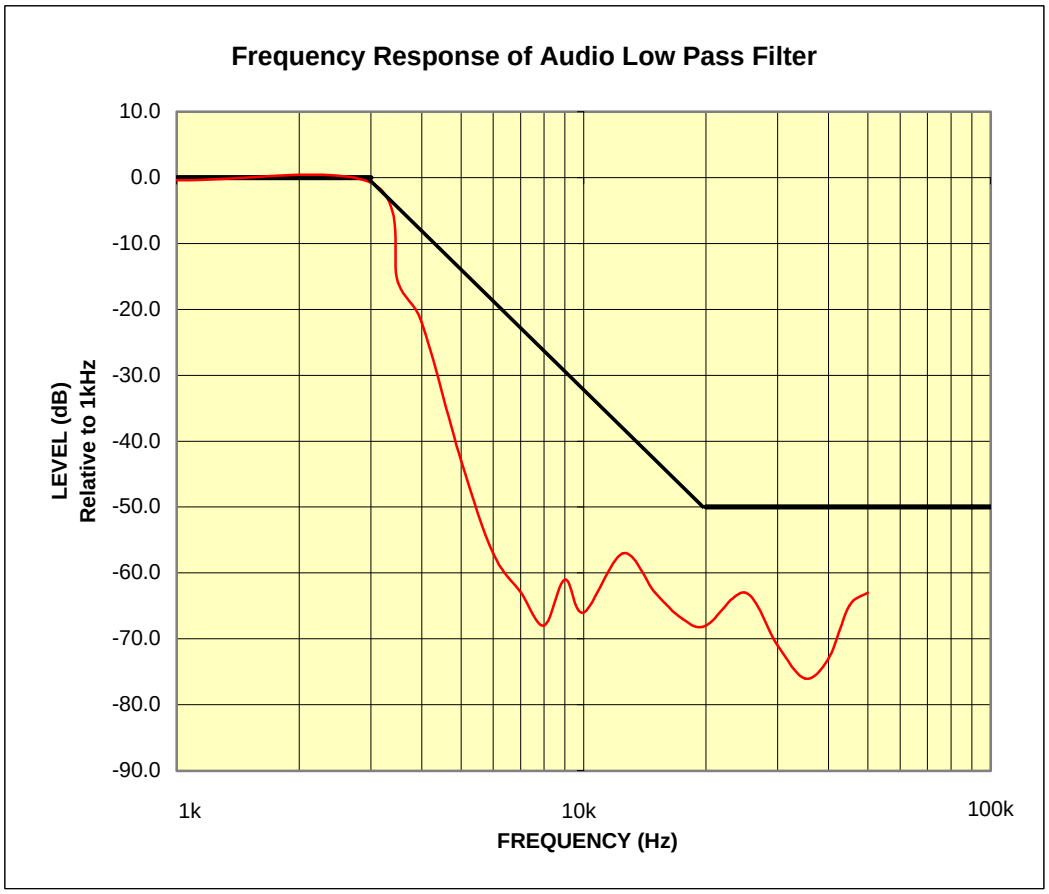
MODE: Audio 1V = 0dB @ 2.5 kHz



SUBJECT:	Modulation Characteristics	Test Report No.:	22.980826586.A3L
	FCC Part 22	Test Date:	09.17.1998

EUT: SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
Model: *SCH-370*
FCC ID: **A3LSCH370**

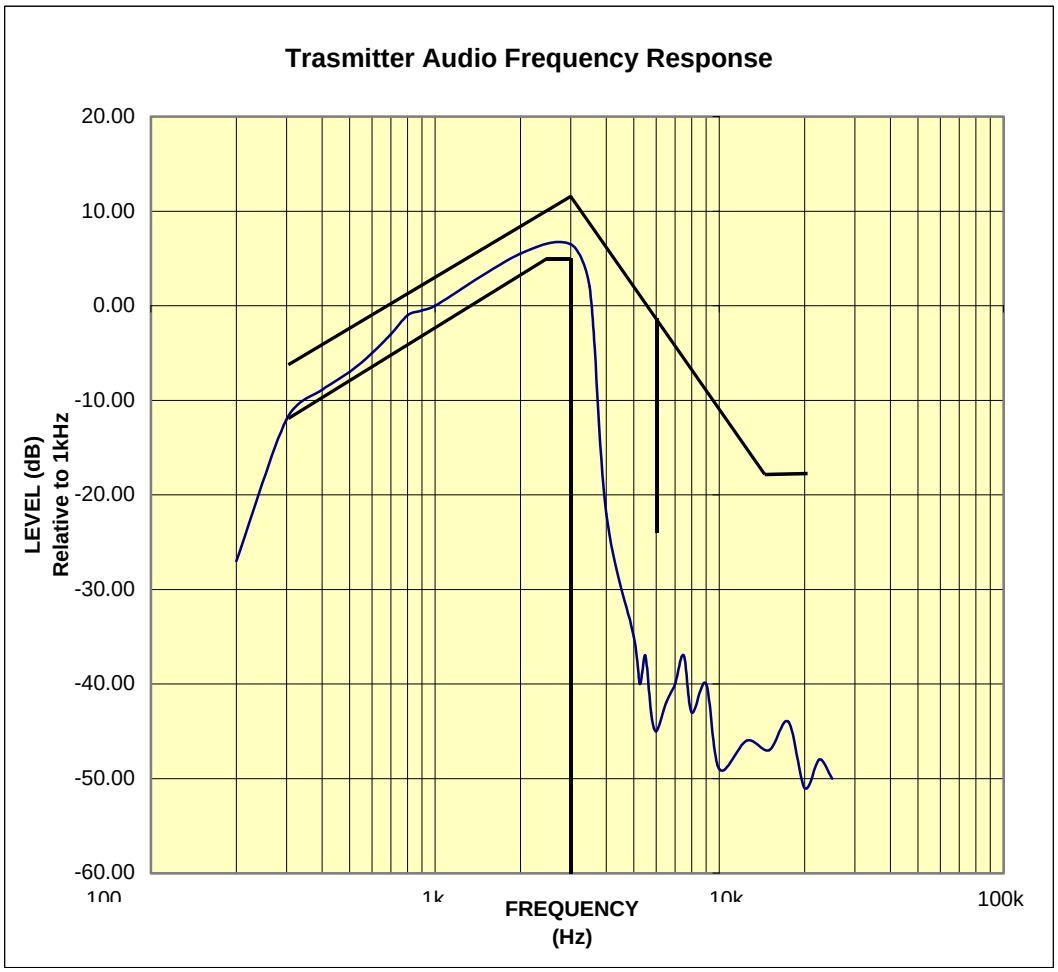
REFERENCE: 1 kHz = 0 dB



SUBJECT:	Modulation Characteristics	Test Report No.:	22.980826586.A3L
	FCC Part 22	Test Date:	09.17.1998

EUT: SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
Model: *SCH-370*
FCC ID: **A3LSCH370**

REFERENCE: 1 kHz = 0 dB

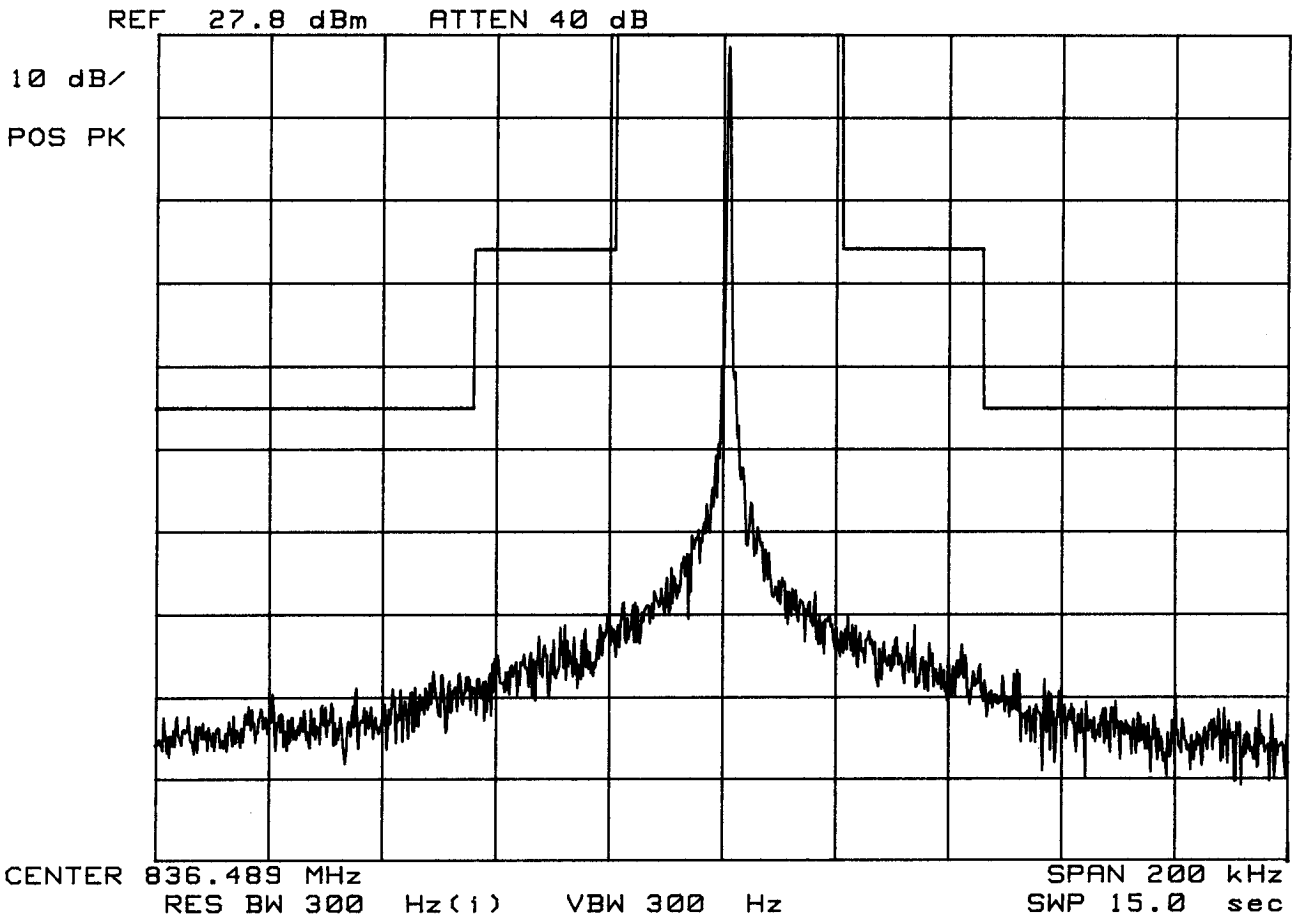


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370
SAMSUNG DUAL MODE
FM Mode
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode:Unmodulated Signal

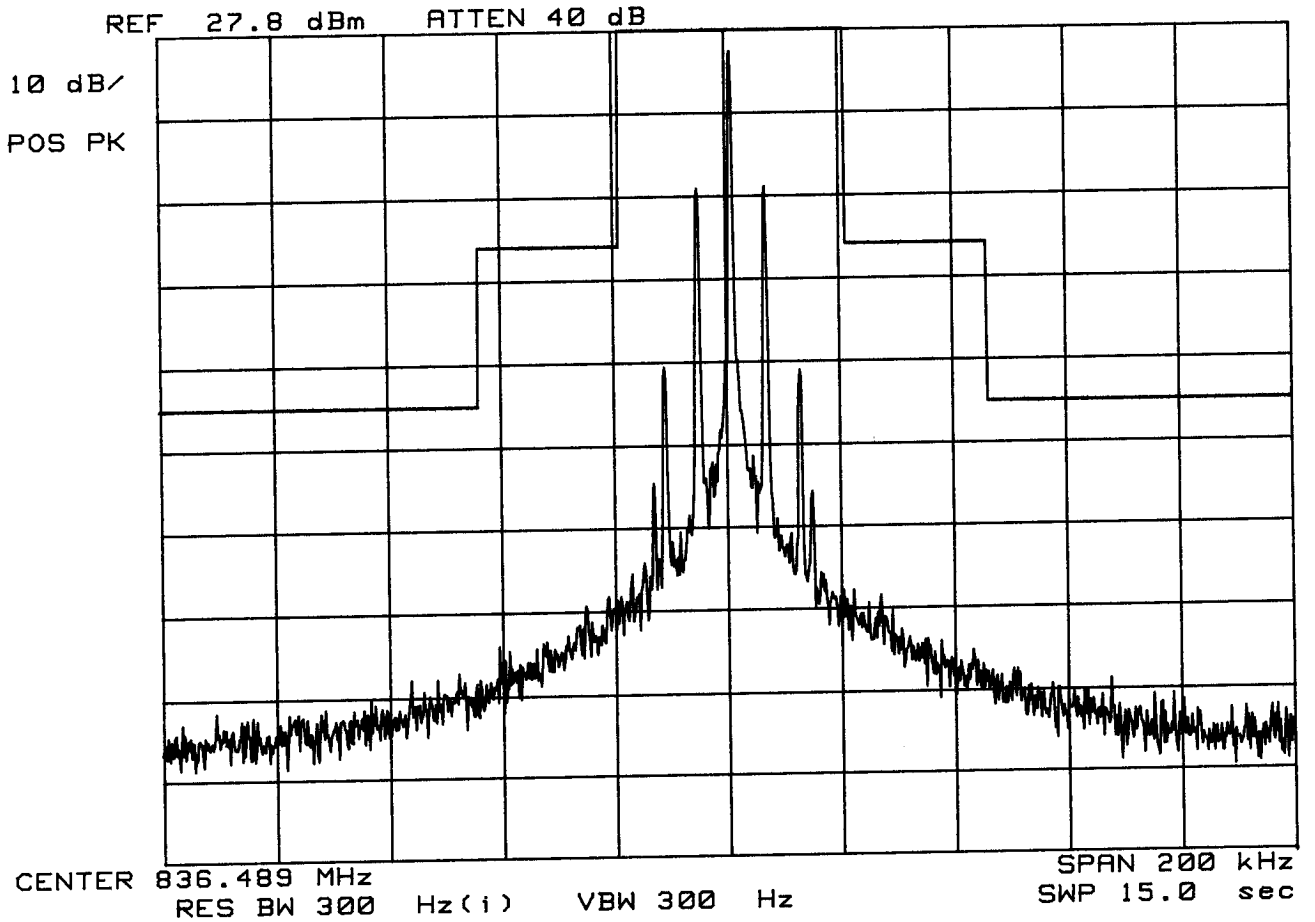


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370
SAMSUNG DUAL MODE
FM Mode
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode:SAT

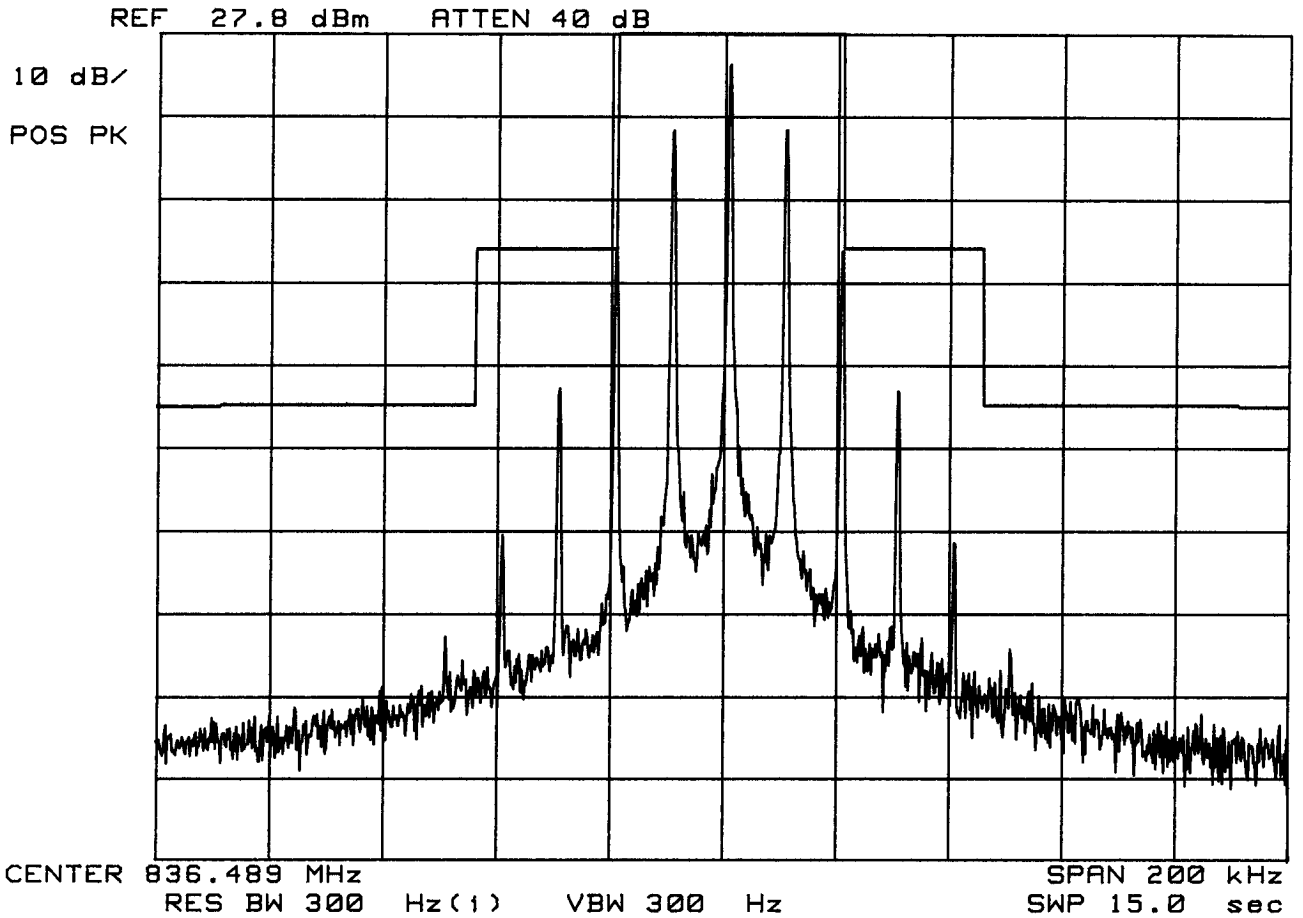


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370
SAMSUNG DUAL MODE
FM Mode
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode:ST

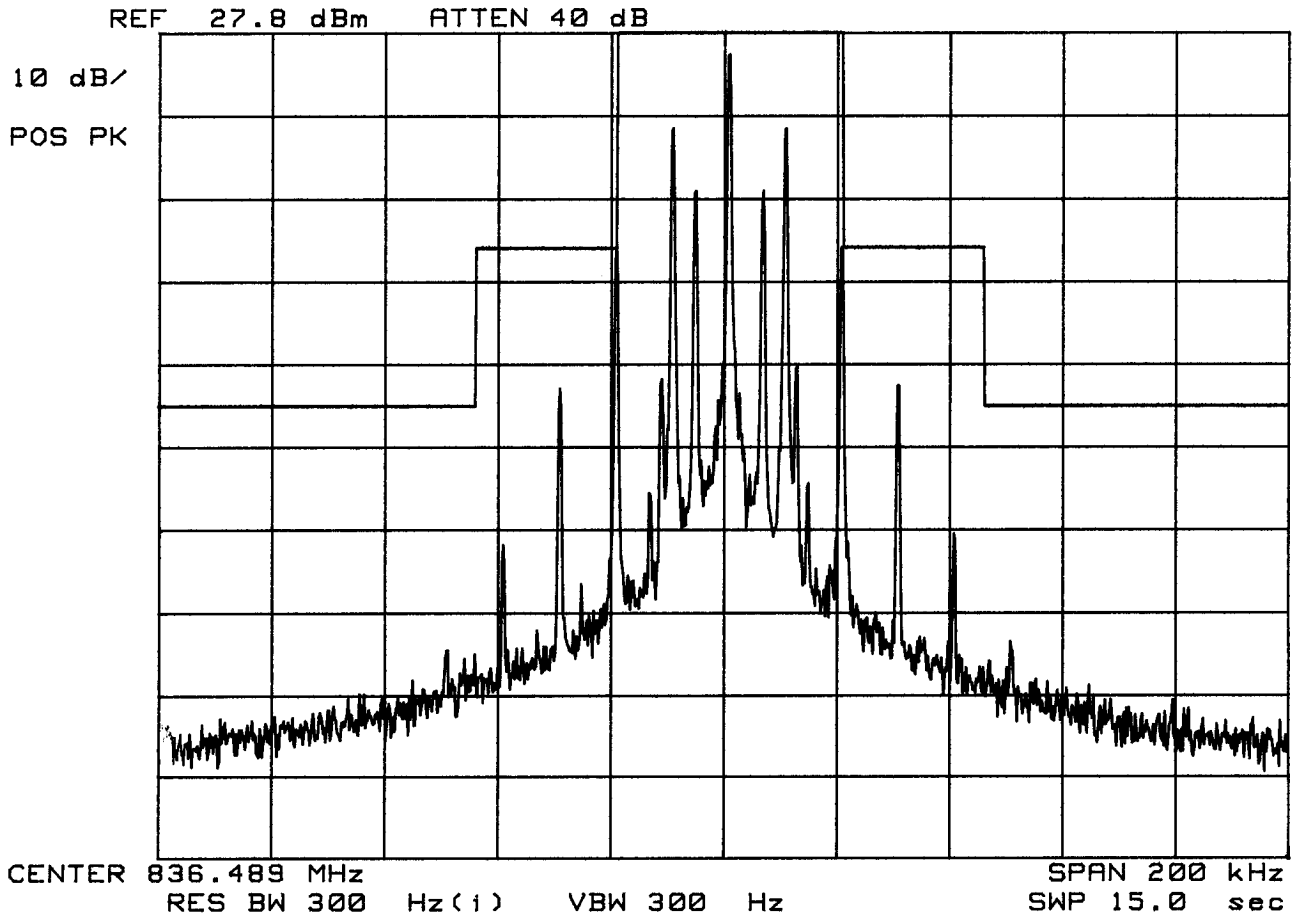


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370
SAMSUNG DUAL MODE
FM Mode
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode:SAT + ST

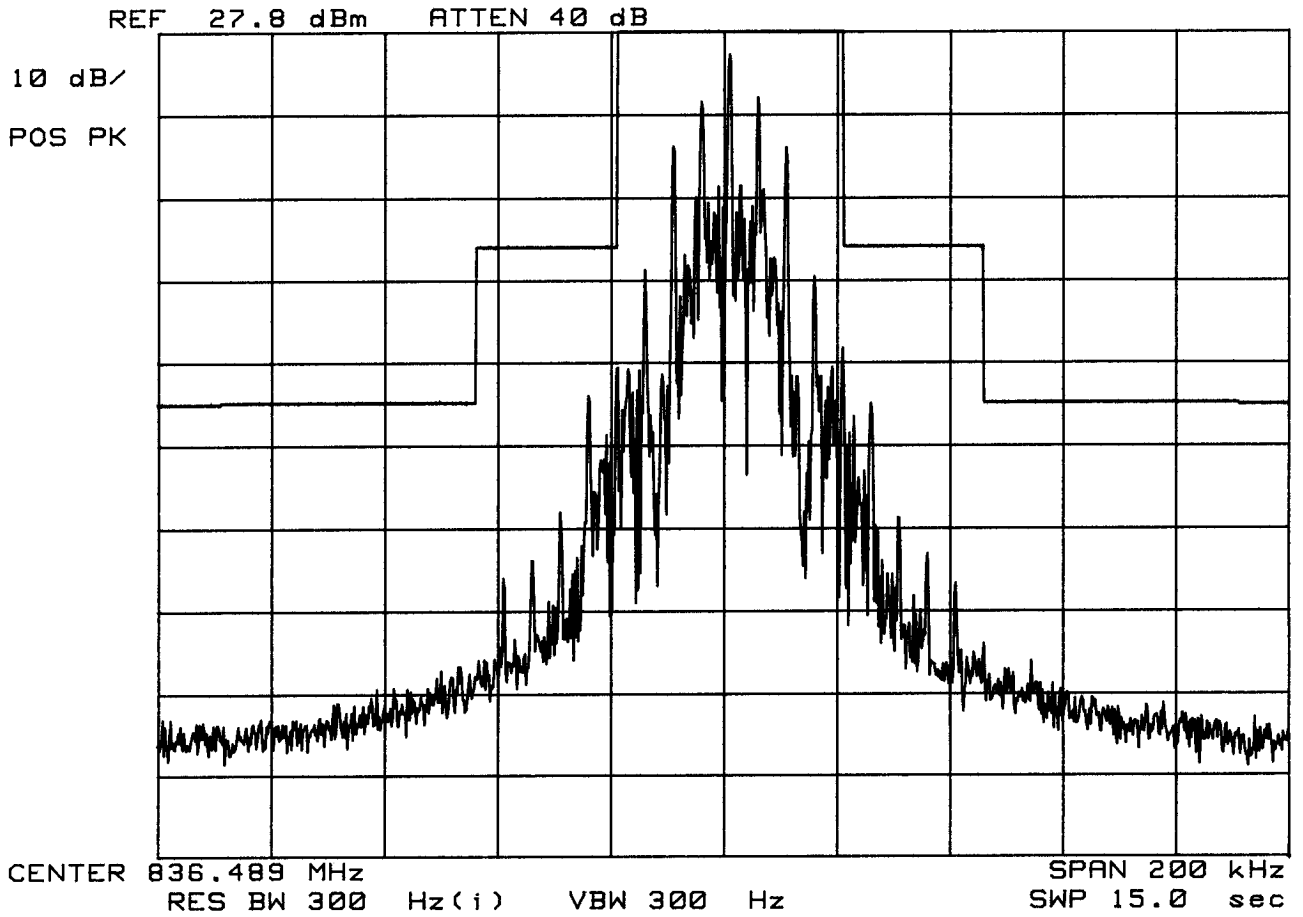


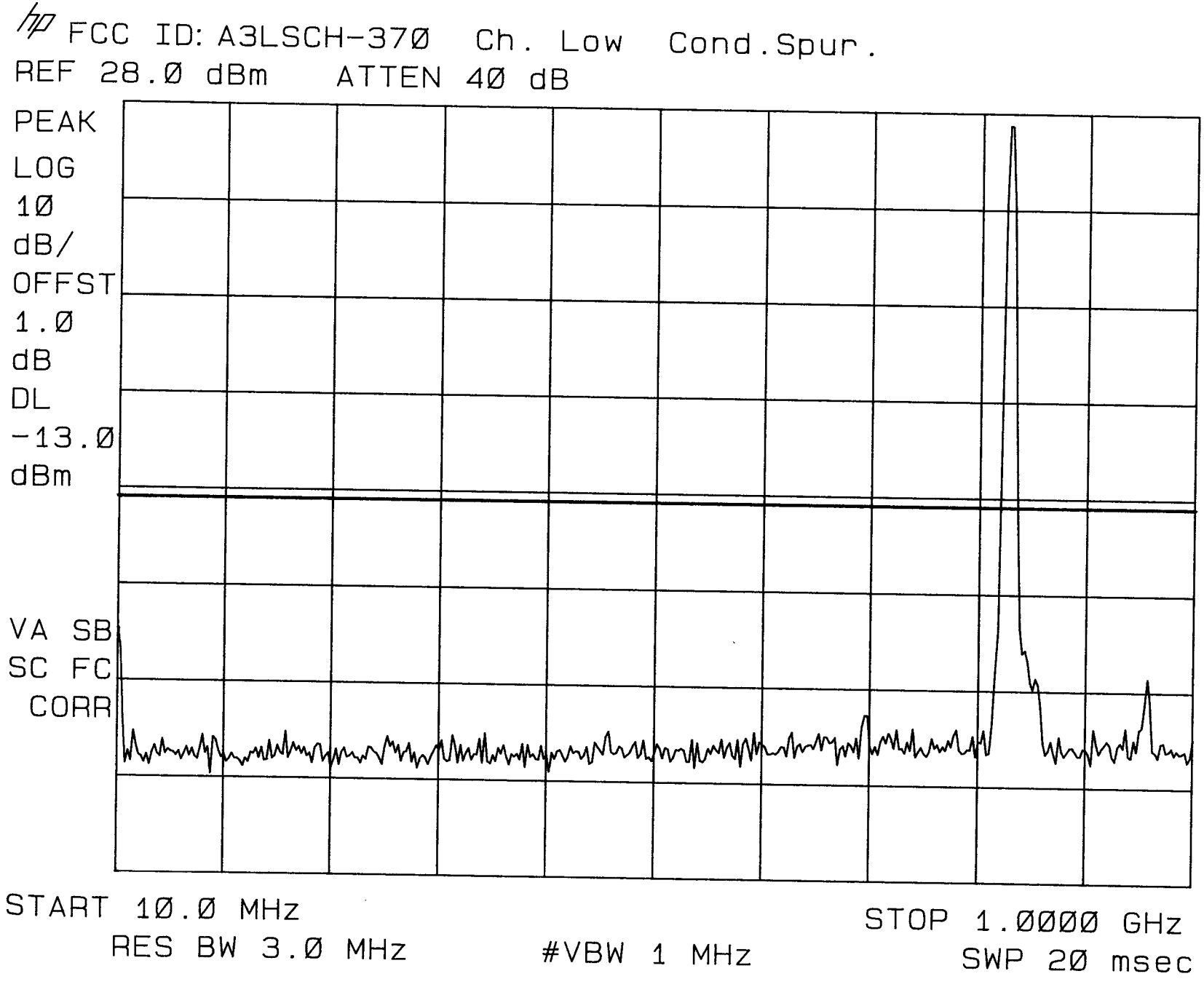
PCTEST Engineering Lab.

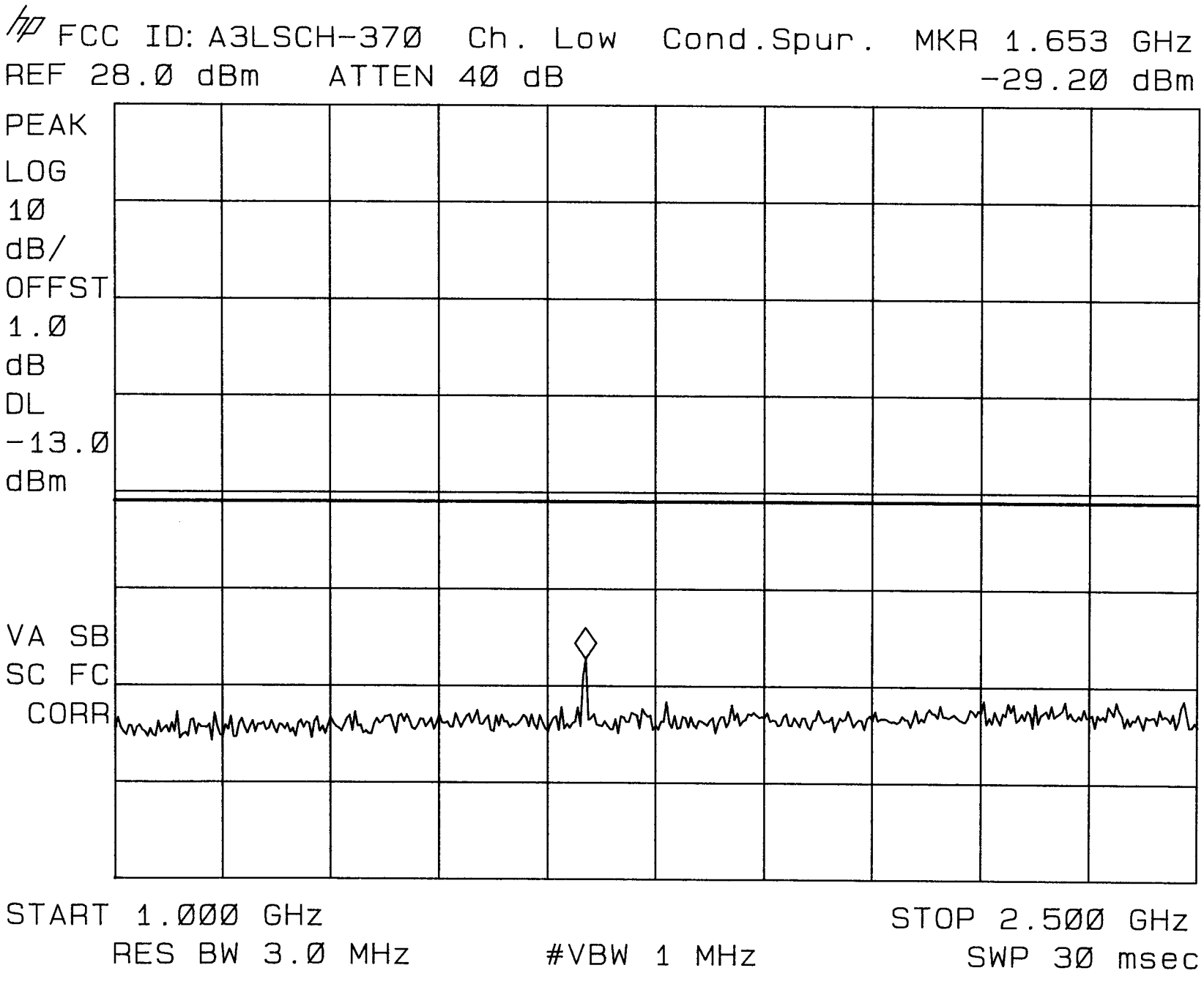
SPECTRUM ANALYZER PRESENTATION

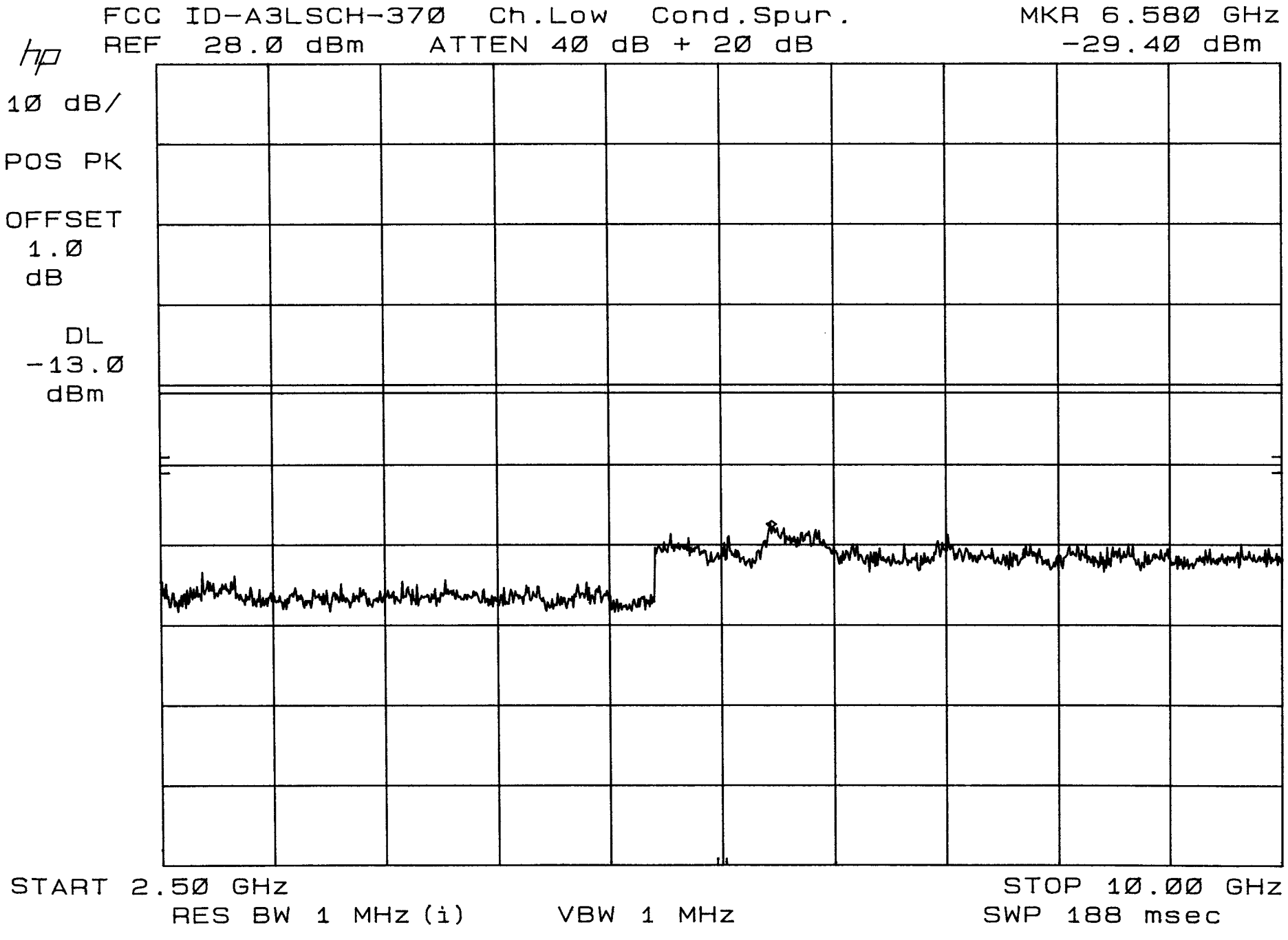
FCC ID:A3LSCH-370
SAMSUNG DUAL MODE
FM Mode
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

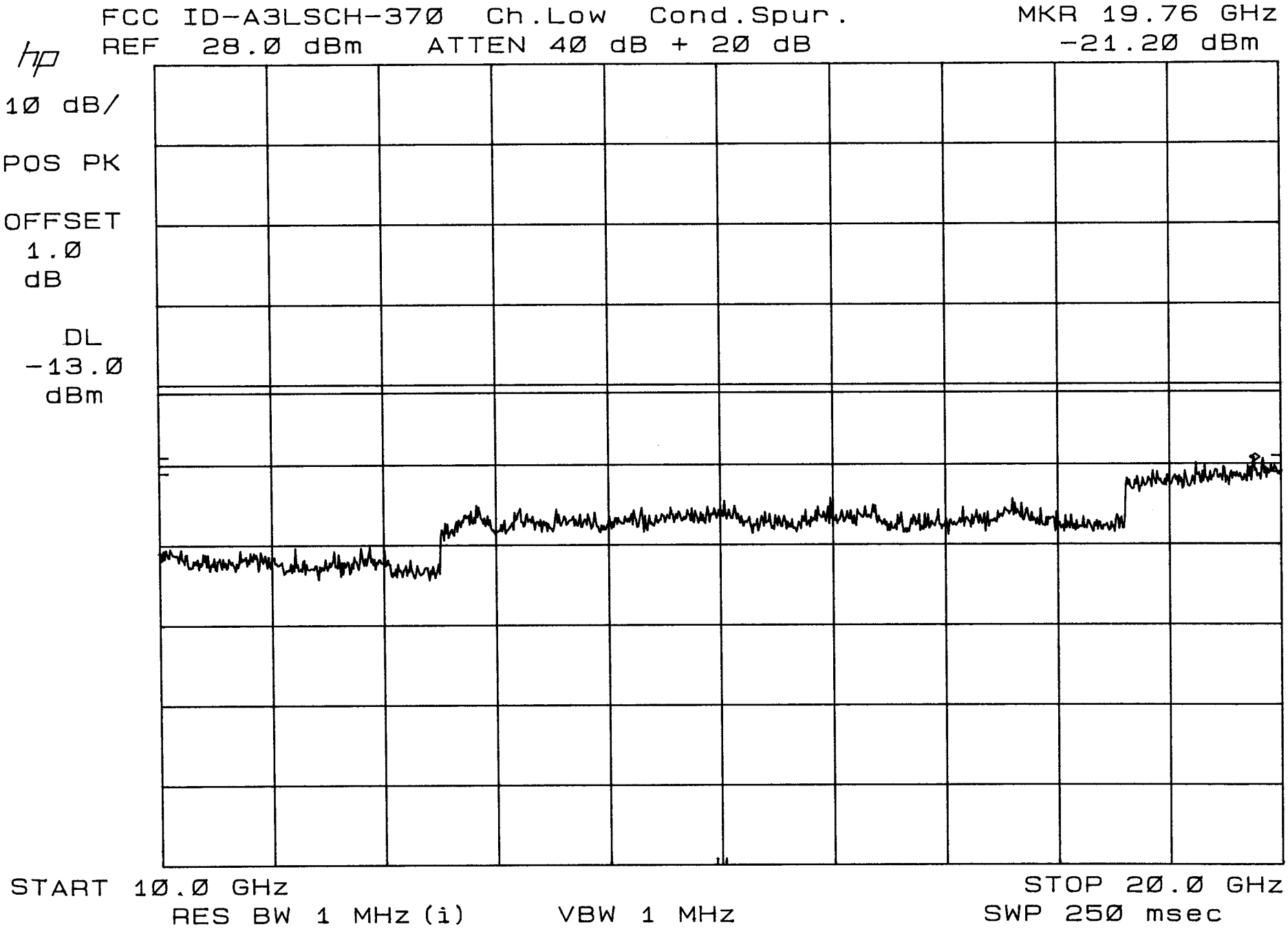
Test Mode:Wide Band Data

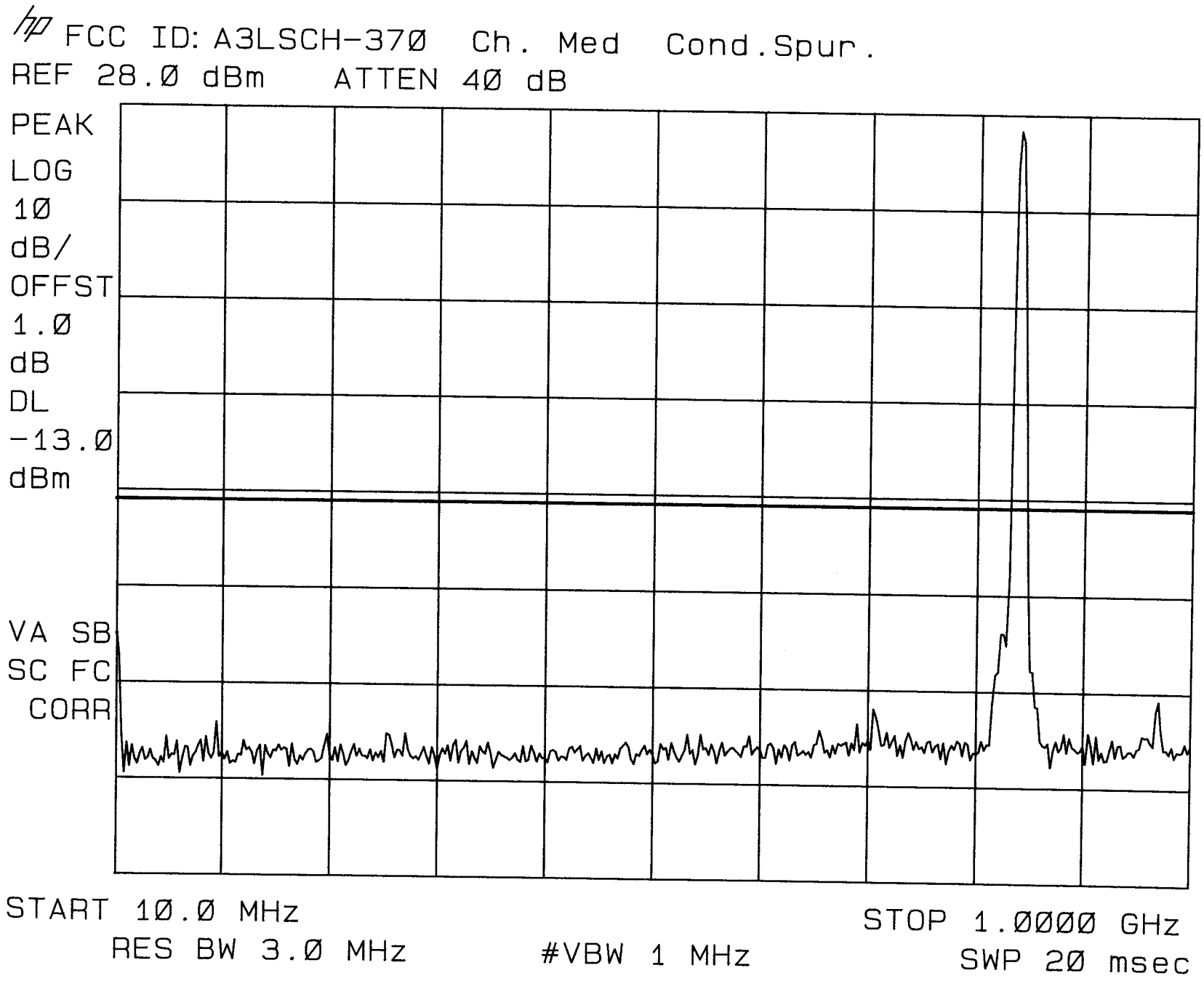


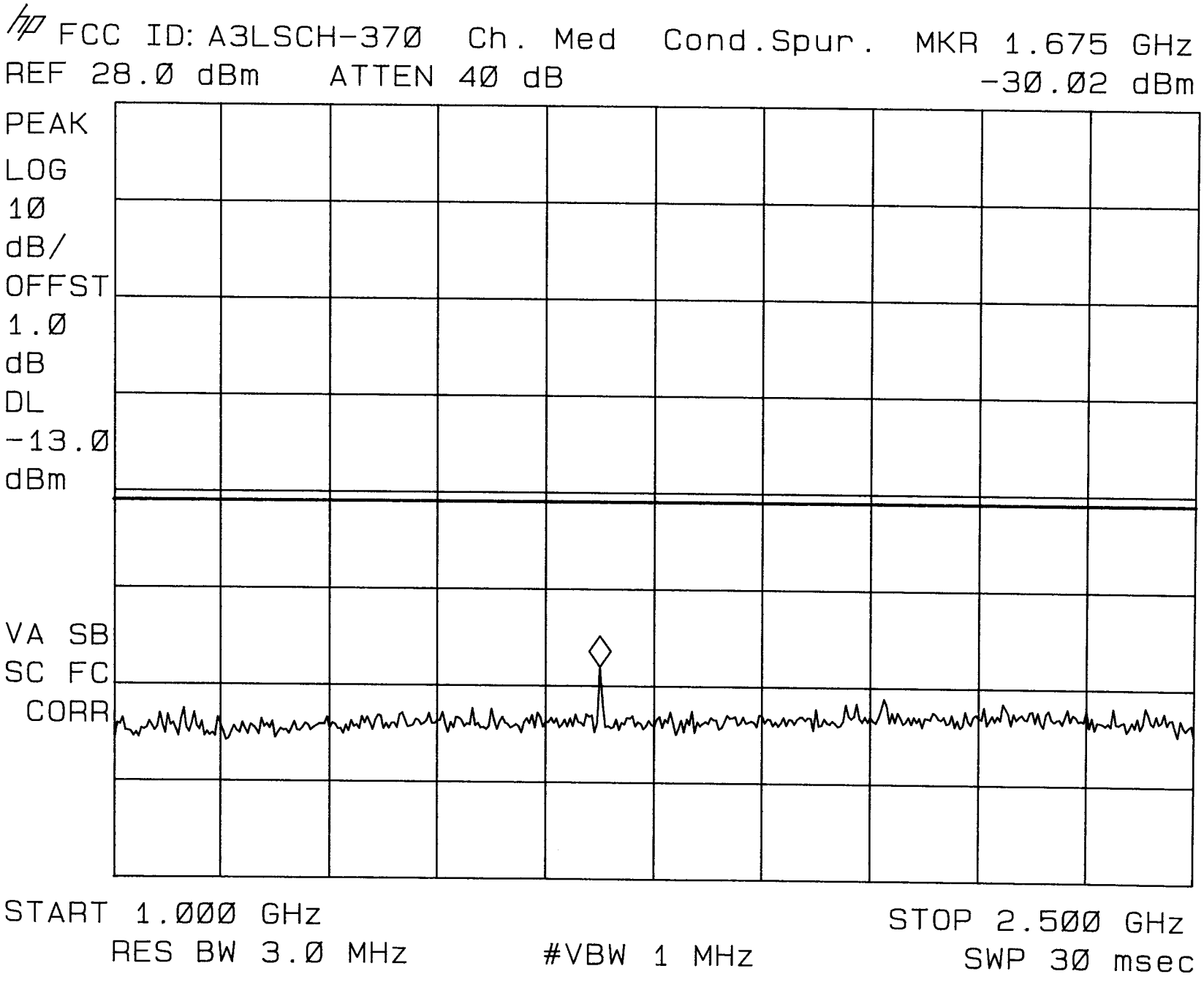

FCC ID: A3LSCH-370 Ch. Low Cond.Spur.
REF 28.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 10.0 MHz
RES BW 3.0 MHz
#VBW 1 MHz
STOP 1.0000 GHz
SWP 20 msec

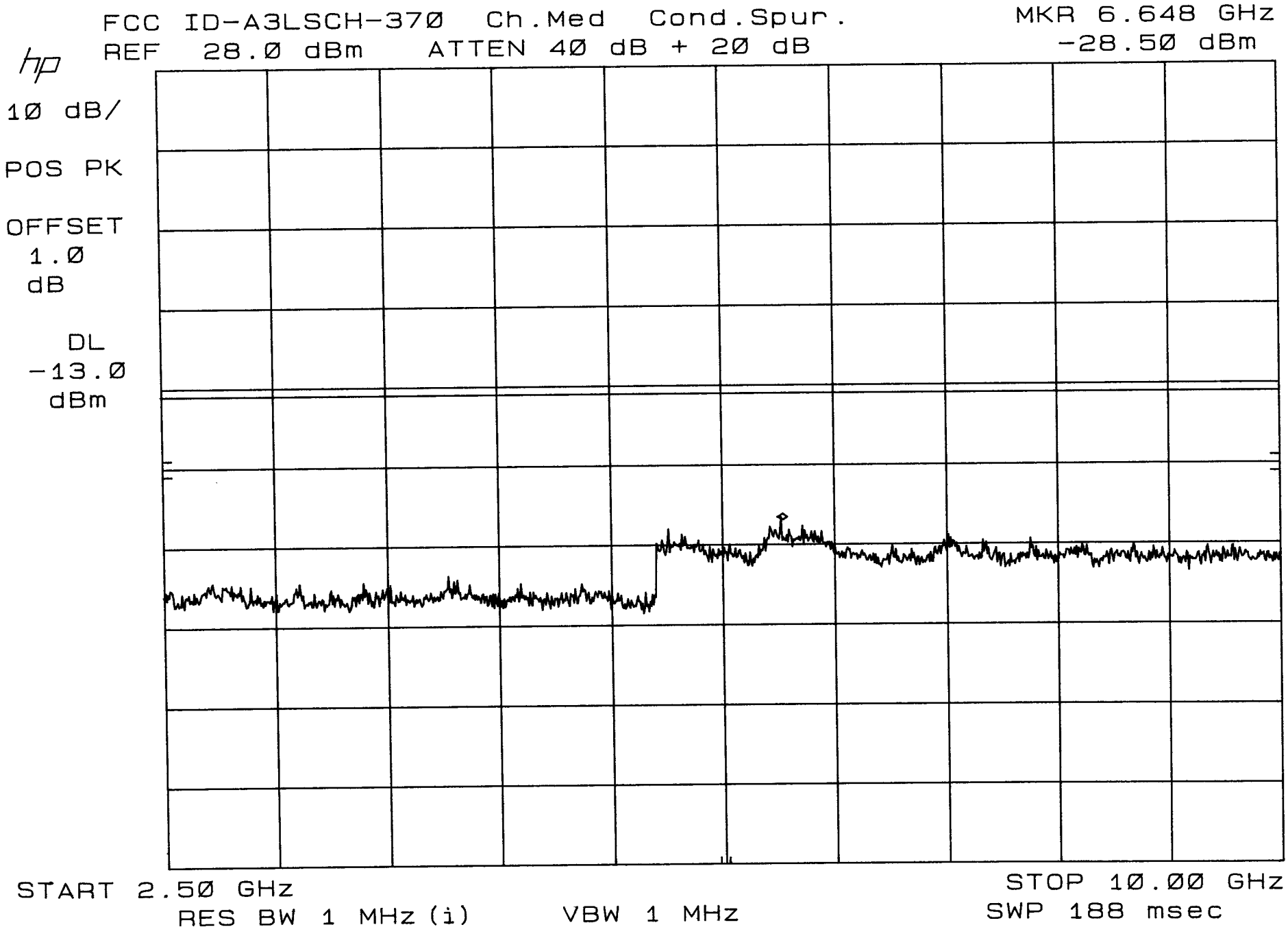

FCC ID: A3LSCH-370 Ch. Low Cond.Spur. MKR 1.653 GHz
REF 28.0 dBm ATTEN 40 dB -29.20 dBm
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 1.000 GHz
STOP 2.500 GHz
RES BW 3.0 MHz
#VBW 1 MHz
SWP 30 msec

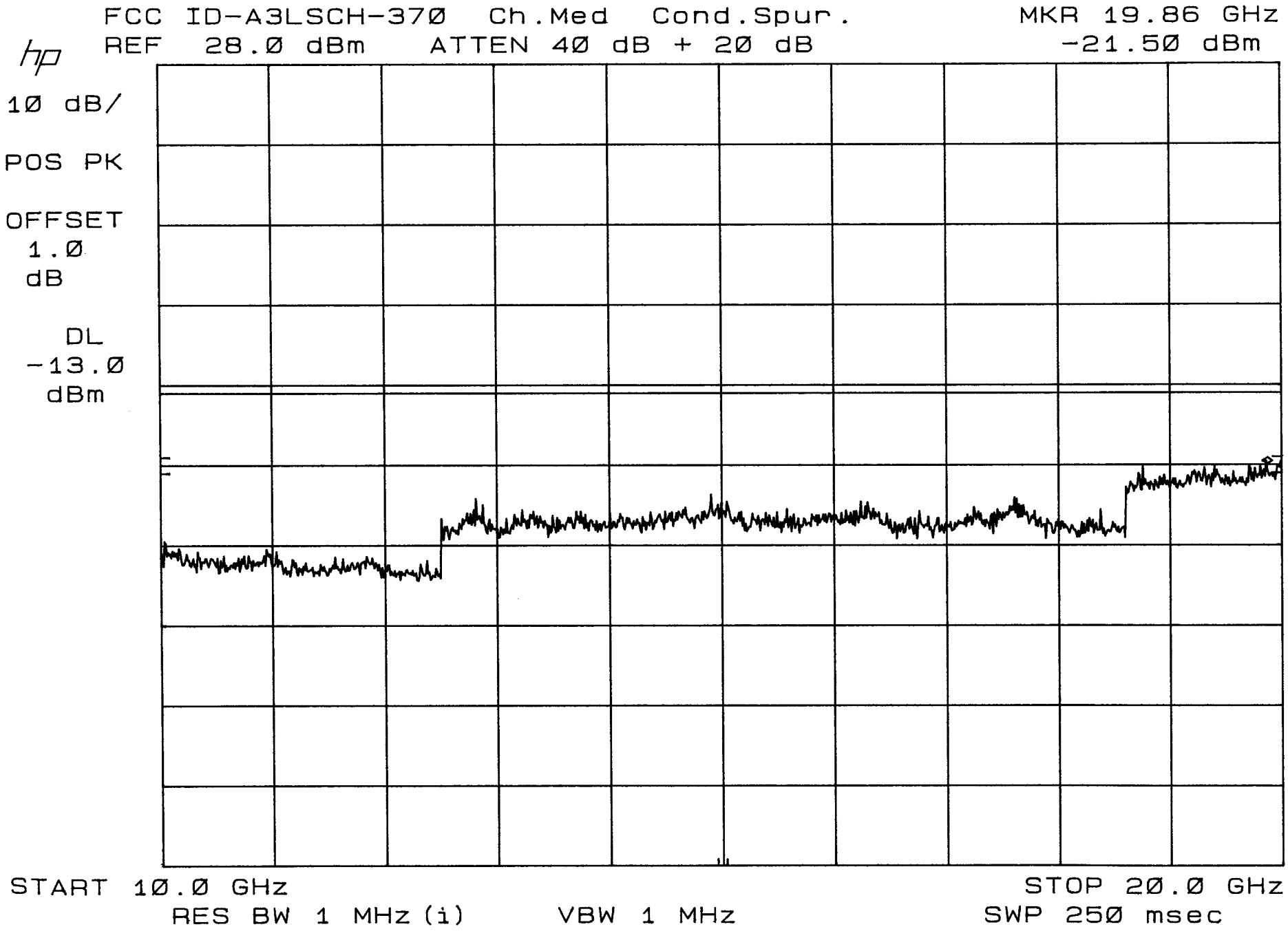

FCC ID-A3LSCH-370 Ch.Low Cond.Spur.
MKR 6.580 GHz
REF 28.0 dBm
ATTEN 40 dB + 20 dB
-29.40 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 2.50 GHz
STOP 10.00 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 188 msec

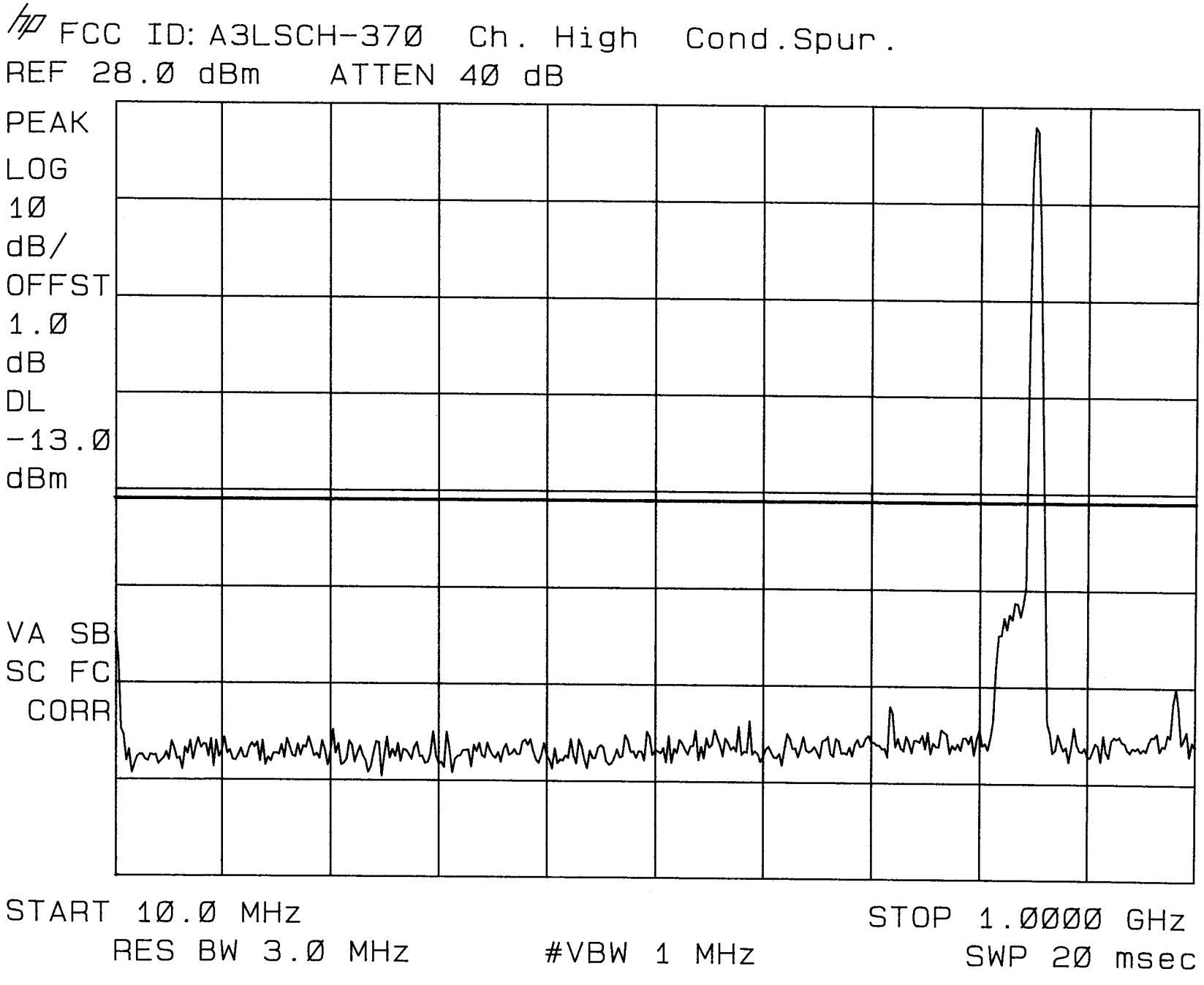

FCC ID-A3LSCH-370 Ch.Low Cond.Spur.
MKR 19.76 GHz
REF 28.0 dBm ATTEN 40 dB + 20 dB
-21.20 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 10.0 GHz
STOP 20.0 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 250 msec

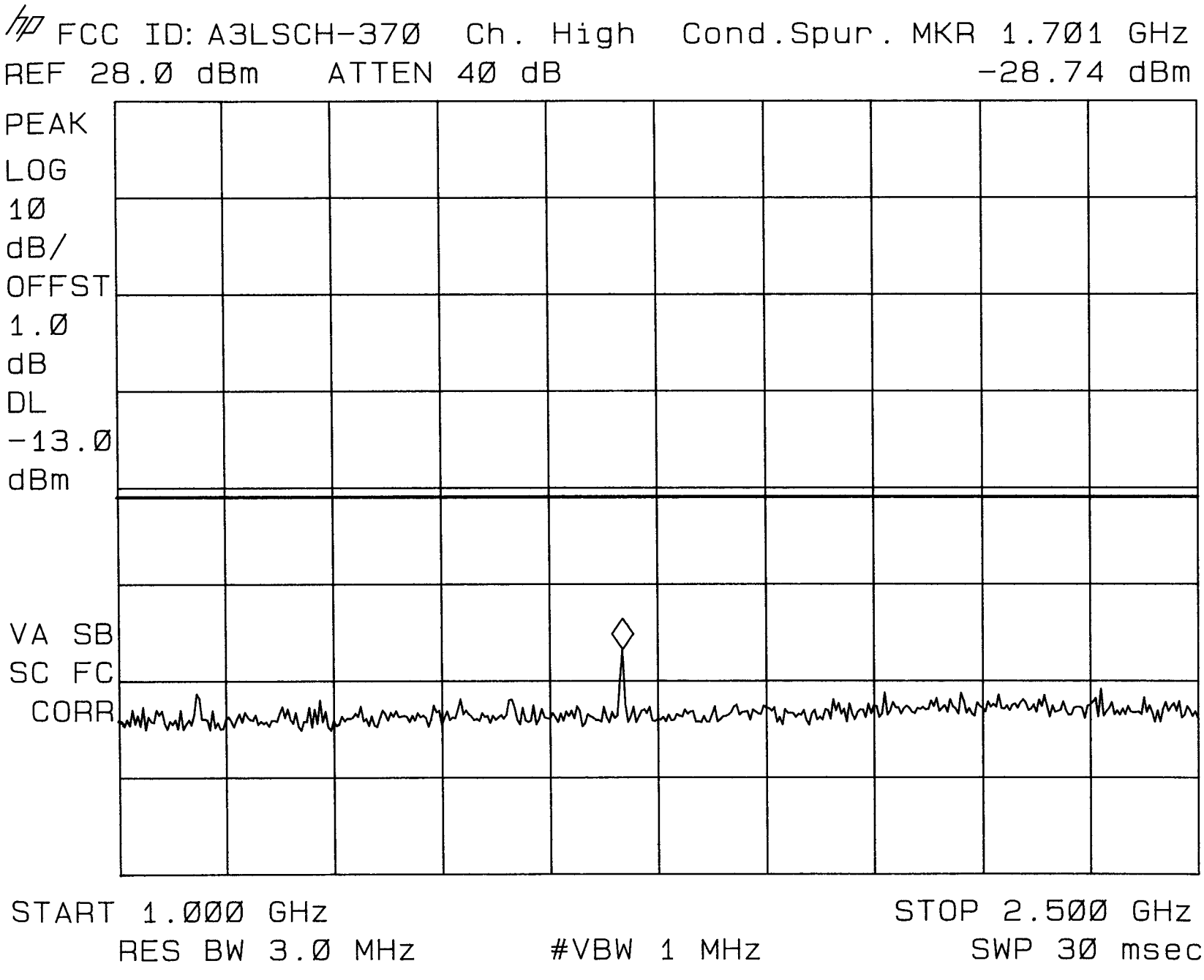

FCC ID: A3LSCH-370 Ch. Med Cond.Spur.
REF 28.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 10.0 MHz
RES BW 3.0 MHz
#VBW 1 MHz
STOP 1.0000 GHz
SWP 20 msec

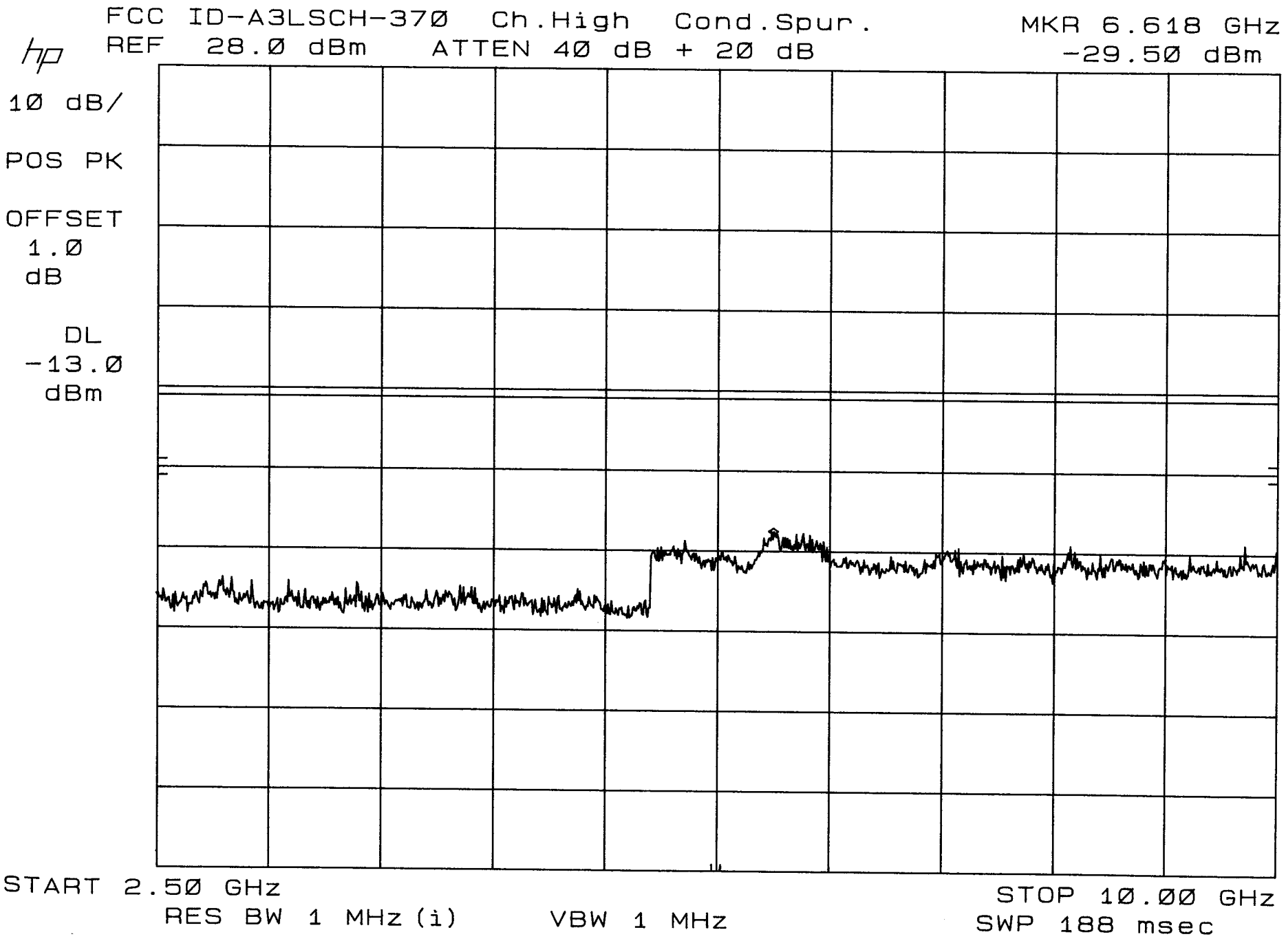

FCC ID: A3LSCH-370 Ch. Med Cond.Spur. MKR 1.675 GHz
REF 28.0 dBm ATTEN 40 dB -30.02 dBm
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 1.000 GHz
STOP 2.500 GHz
RES BW 3.0 MHz
#VBW 1 MHz
SWP 30 msec

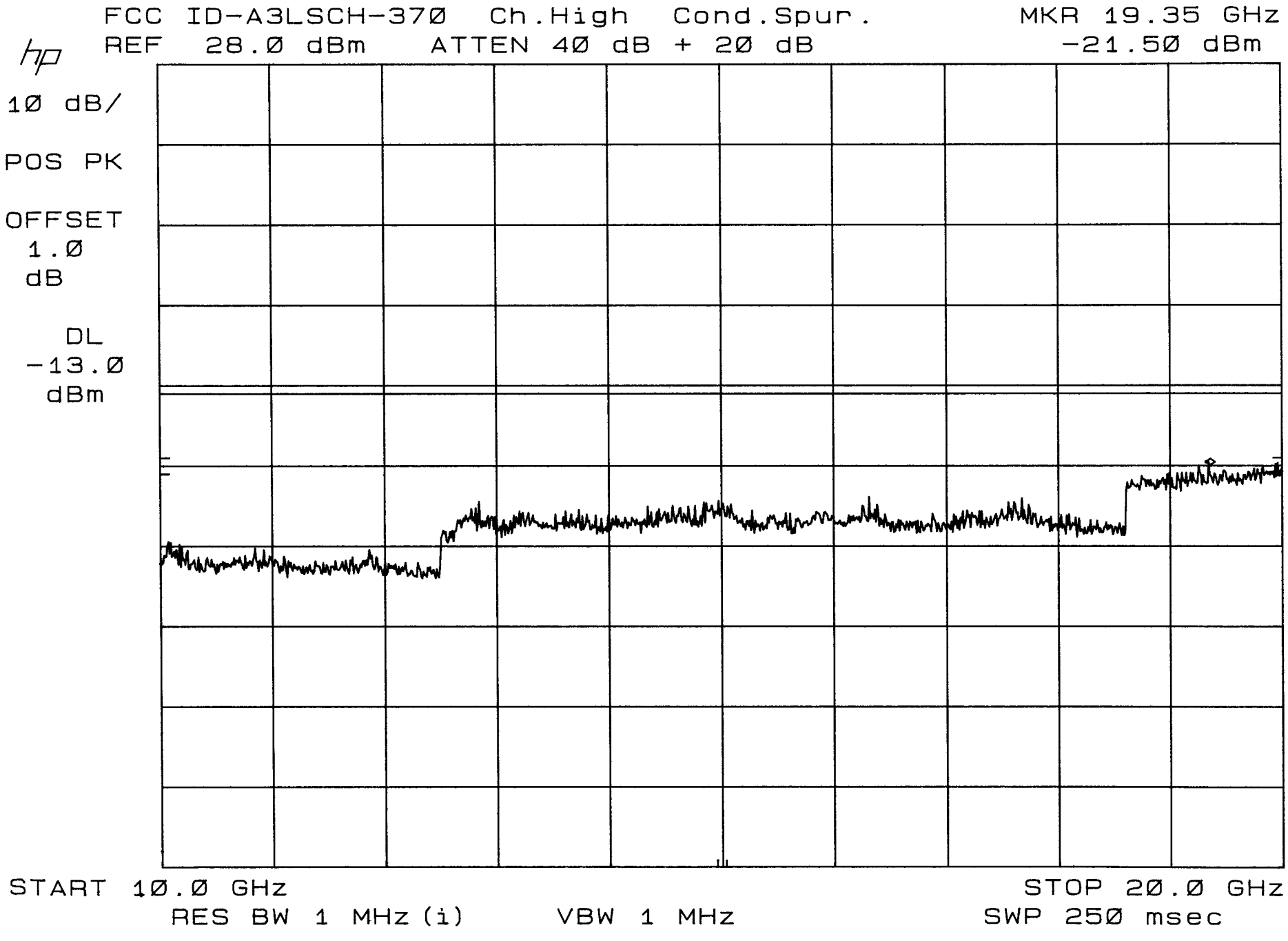

FCC ID-A3LSCH-370 Ch.Med Cond.Spur.
REF 28.0 dBm ATTEN 40 dB + 20 dB
MKR 6.648 GHz
-28.50 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 2.50 GHz
RES BW 1 MHz (i)
VBW 1 MHz
STOP 10.00 GHz
SWP 188 msec

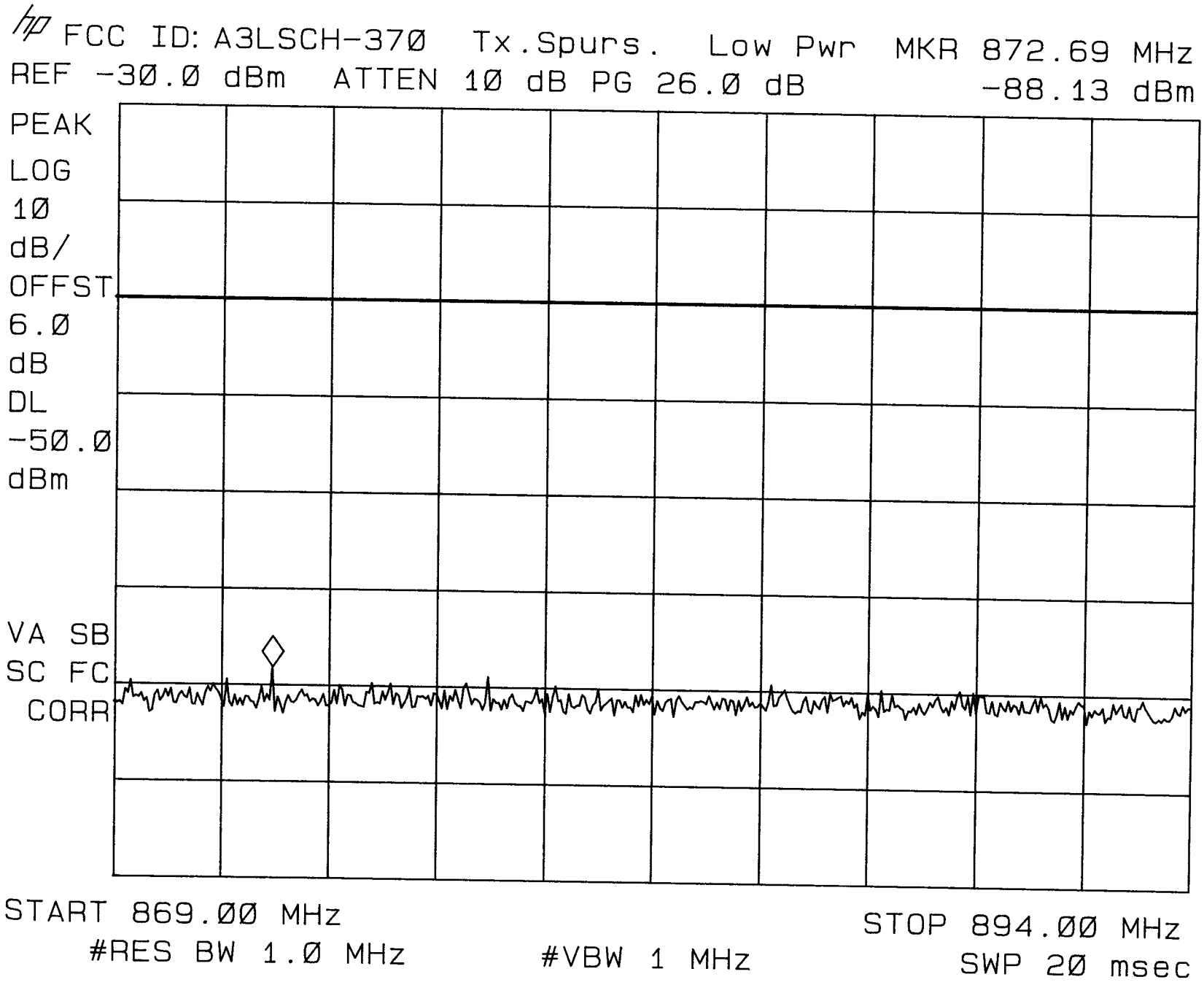

FCC ID-A3LSCH-370 Ch.Med Cond.Spur.
MKR 19.86 GHz
REF 28.0 dBm ATTEN 40 dB + 20 dB
-21.50 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 10.0 GHz
STOP 20.0 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 250 msec

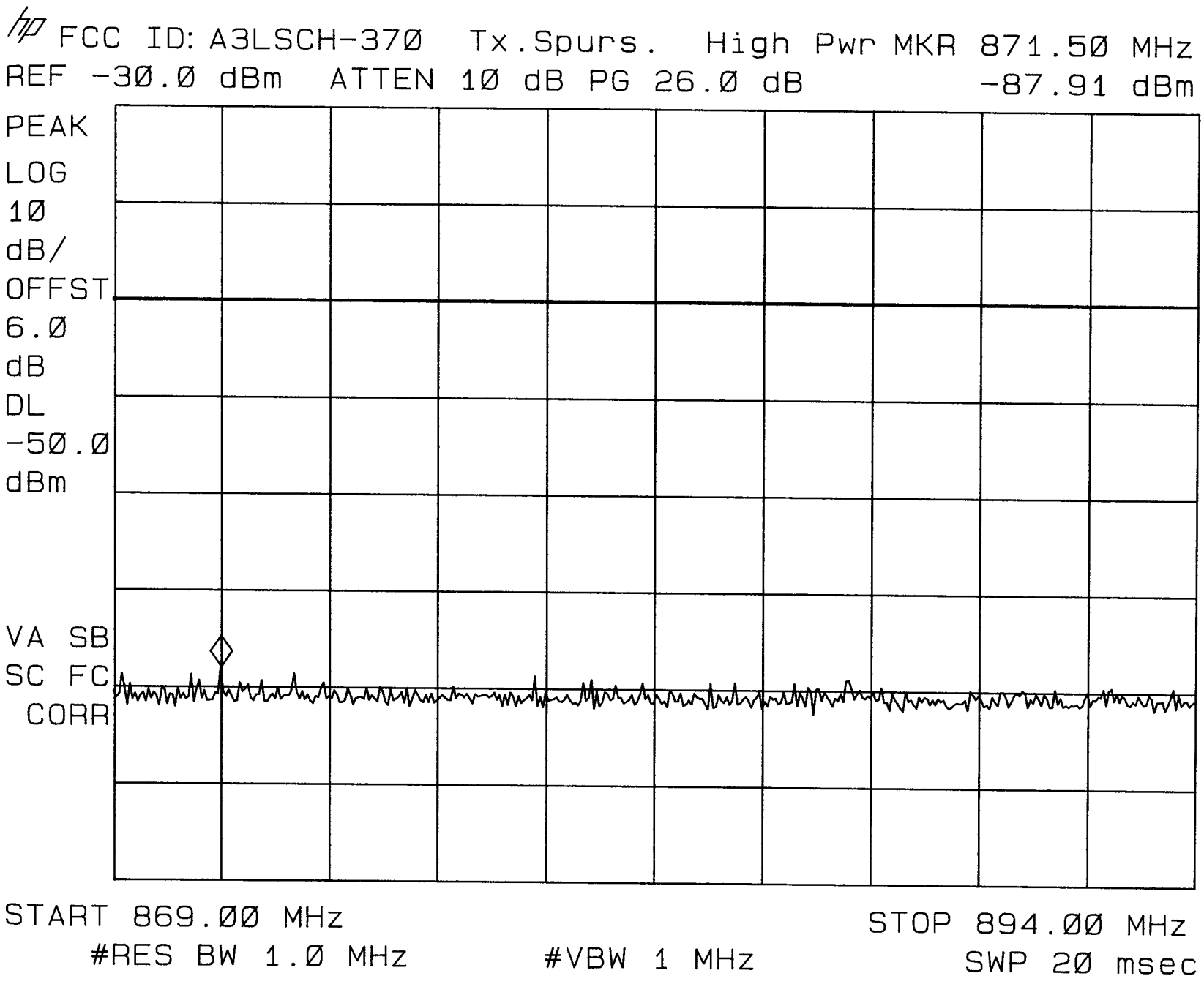

FCC ID: A3LSCH-370 Ch. High Cond.Spur.
REF 28.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 10.0 MHz
RES BW 3.0 MHz
#VBW 1 MHz
STOP 1.0000 GHz
SWP 20 msec

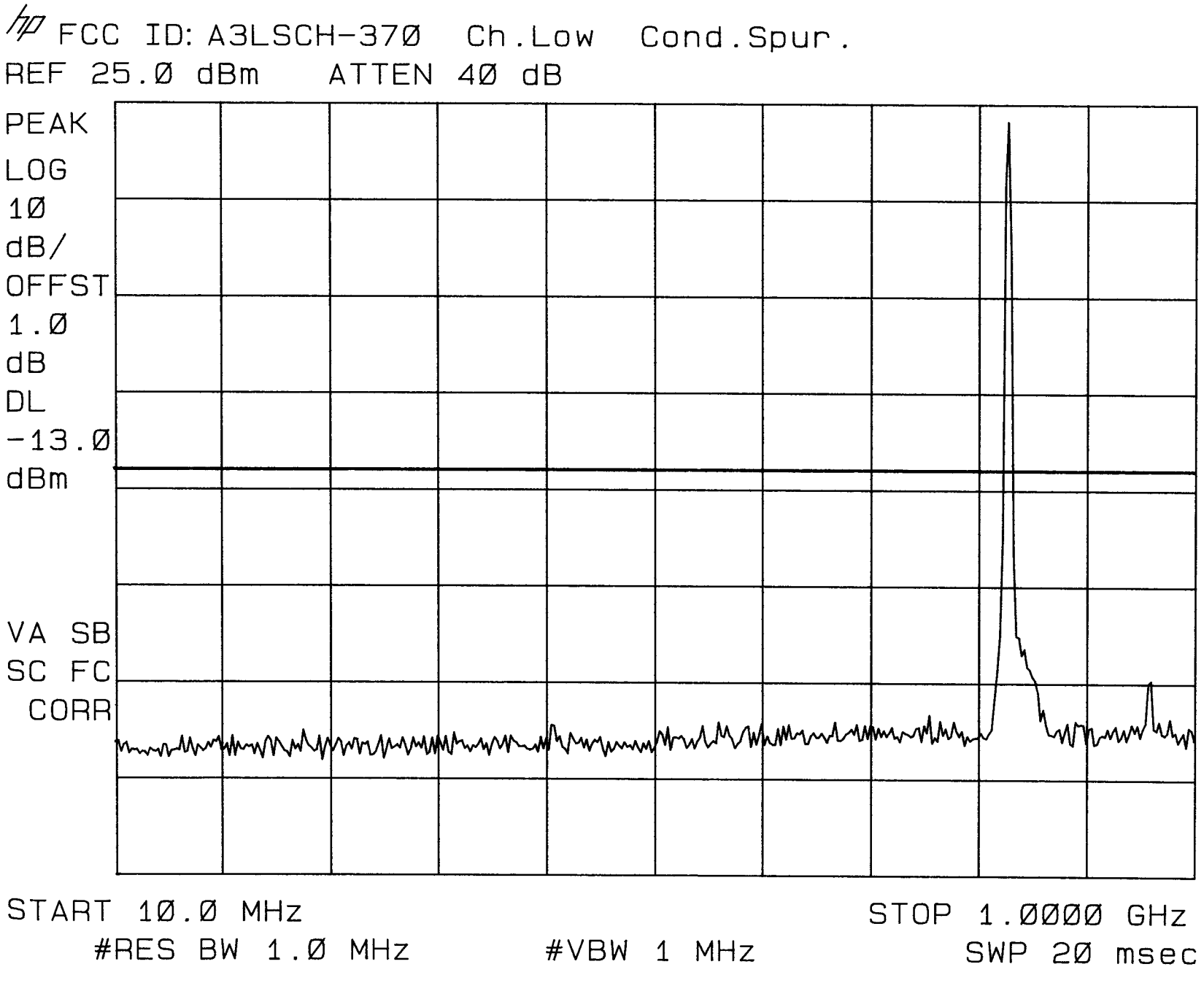

FCC ID: A3LSCH-370 Ch. High Cond.Spur. MKR 1.701 GHz
REF 28.0 dBm ATTEN 40 dB -28.74 dBm
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 1.000 GHz
STOP 2.500 GHz
RES BW 3.0 MHz
#VBW 1 MHz
SWP 30 msec

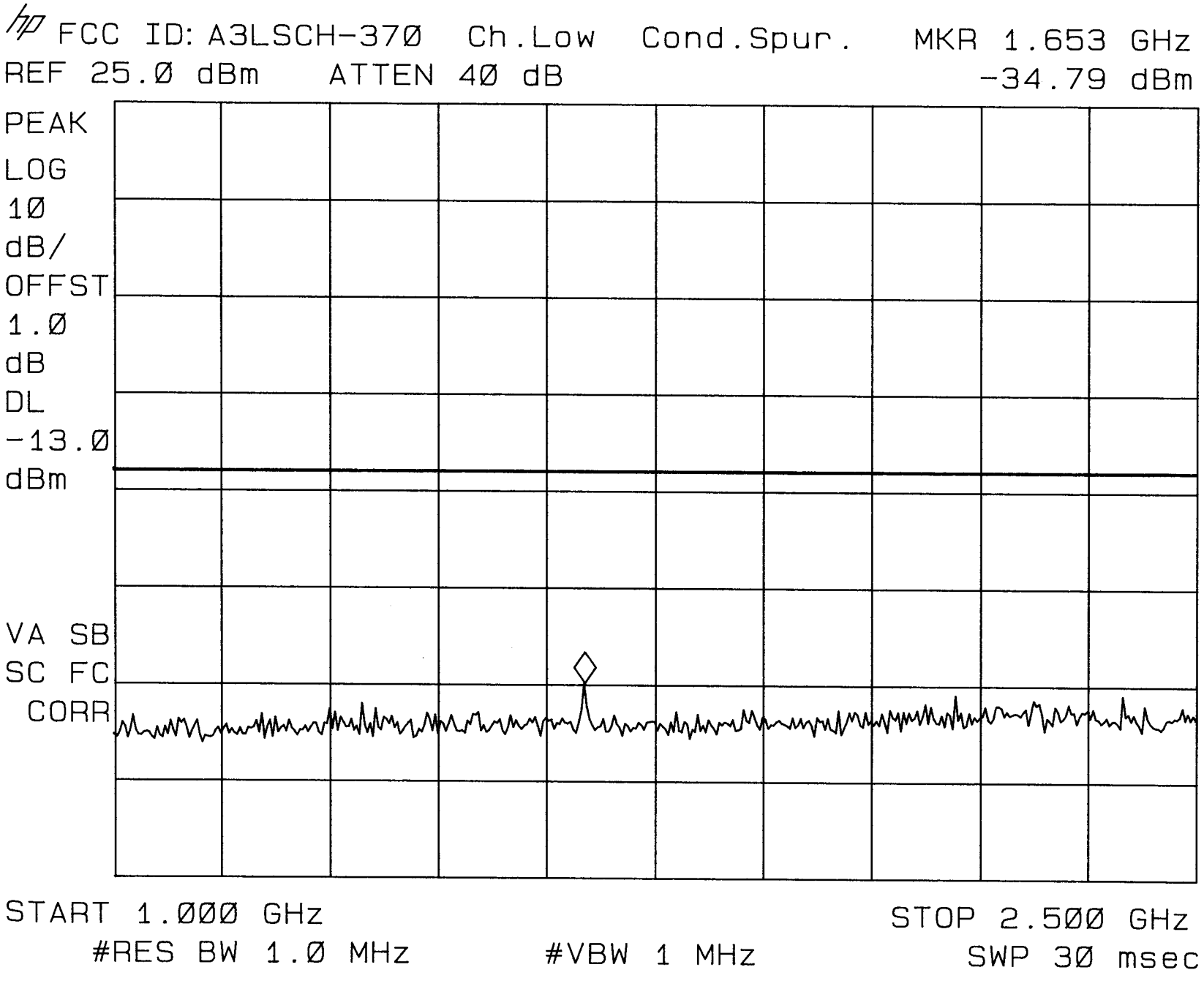

FCC ID-A3LSCH-370 Ch.High Cond.Spur.
MKR 6.618 GHz
REF 28.0 dBm ATTEN 40 dB + 20 dB
-29.50 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 2.50 GHz
STOP 10.00 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 188 msec

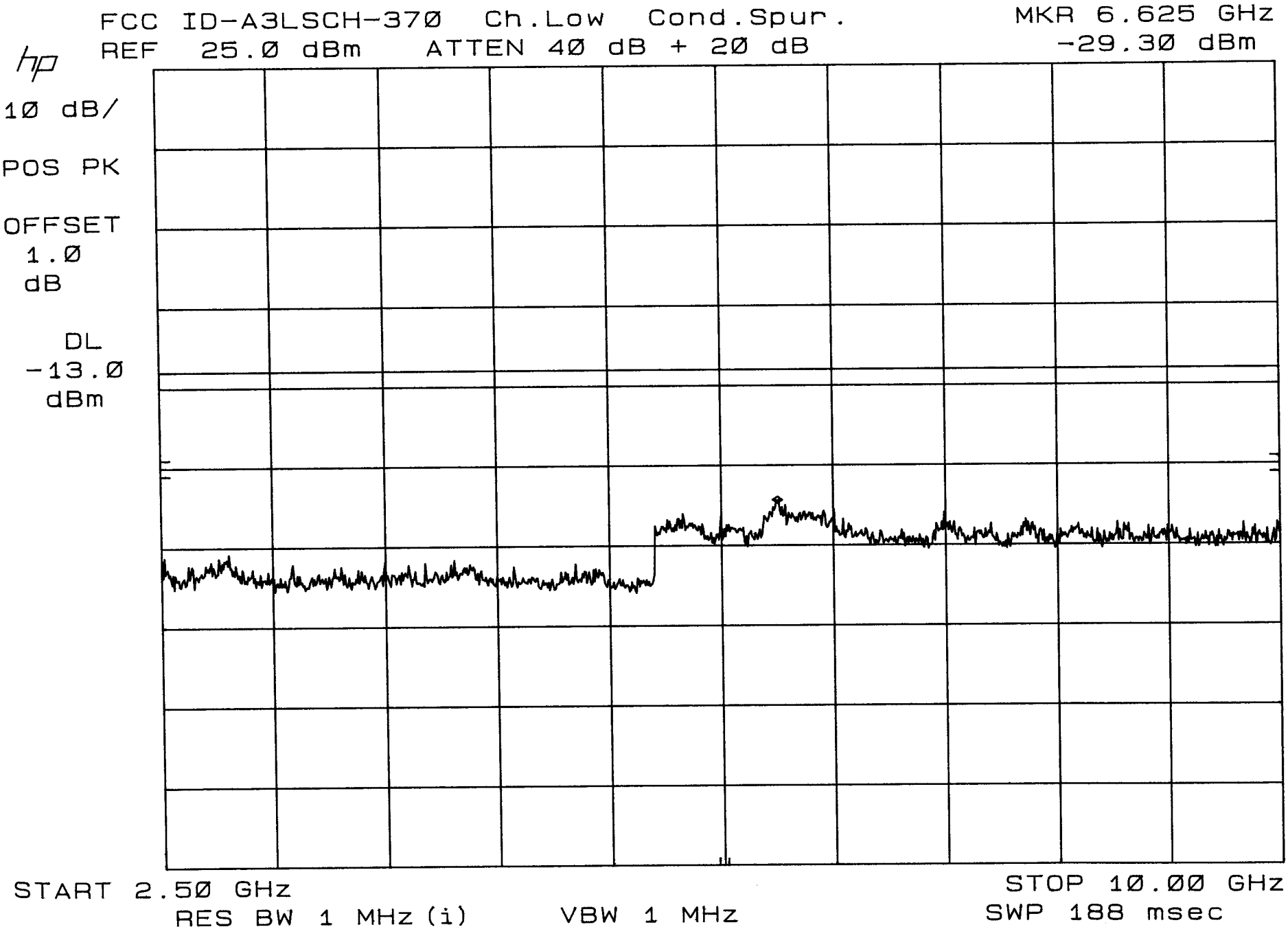

FCC ID-A3LSCH-370 Ch.High Cond.Spur.
MKR 19.35 GHz
REF 28.0 dBm
ATTEN 40 dB + 20 dB
-21.50 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 10.0 GHz
STOP 20.0 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 250 msec

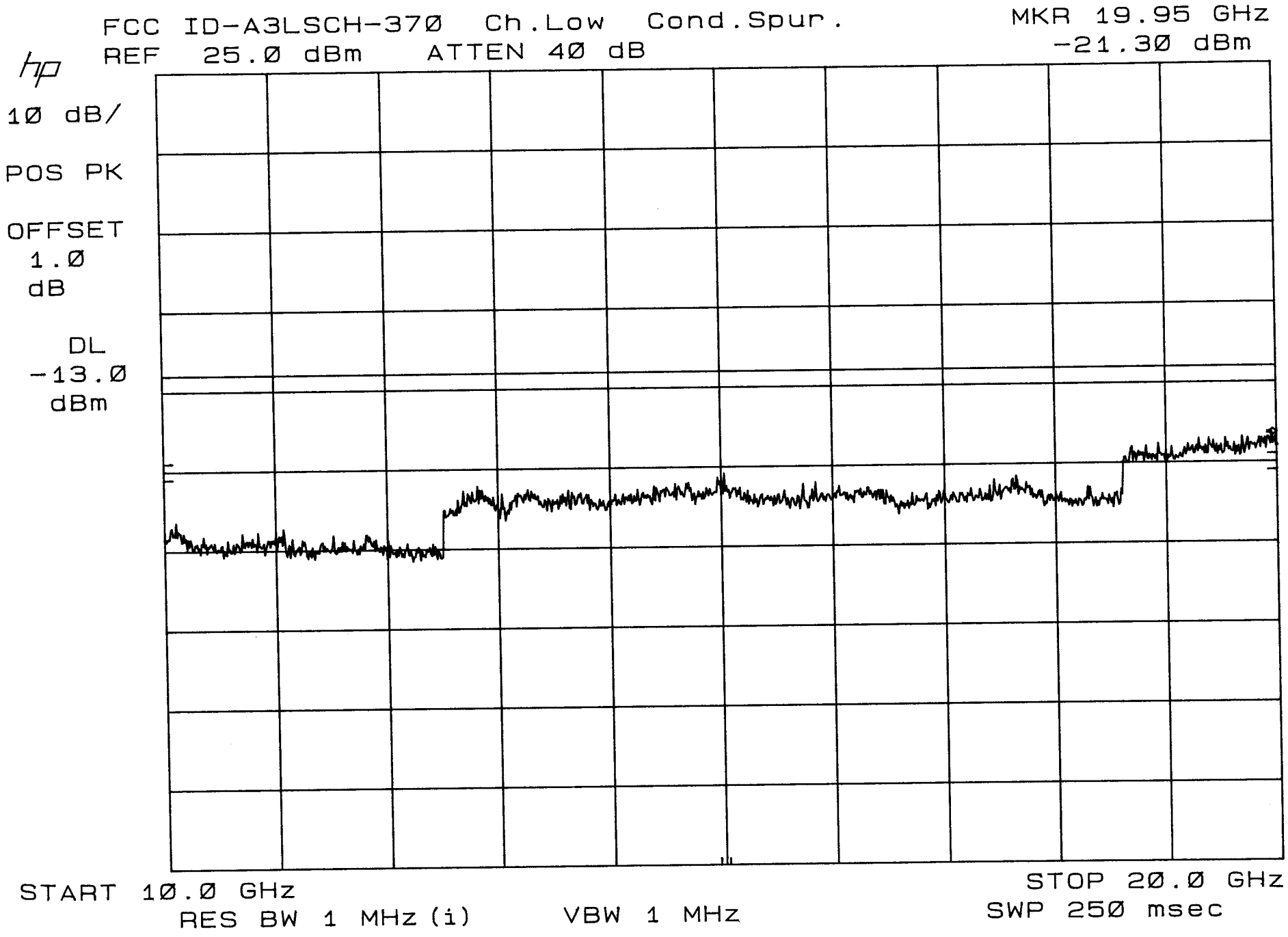

FCC ID: A3LSCH-370 Tx.Spurs. Low Pwr MKR 872.69 MHz
REF -30.0 dBm ATTEN 10 dB PG 26.0 dB -88.13 dBm
PEAK
LOG
10
dB/
OFFST
6.0
dB
DL
-50.0
dBm
VA SB
SC FC
CORR
START 869.00 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 894.00 MHz
SWP 20 msec

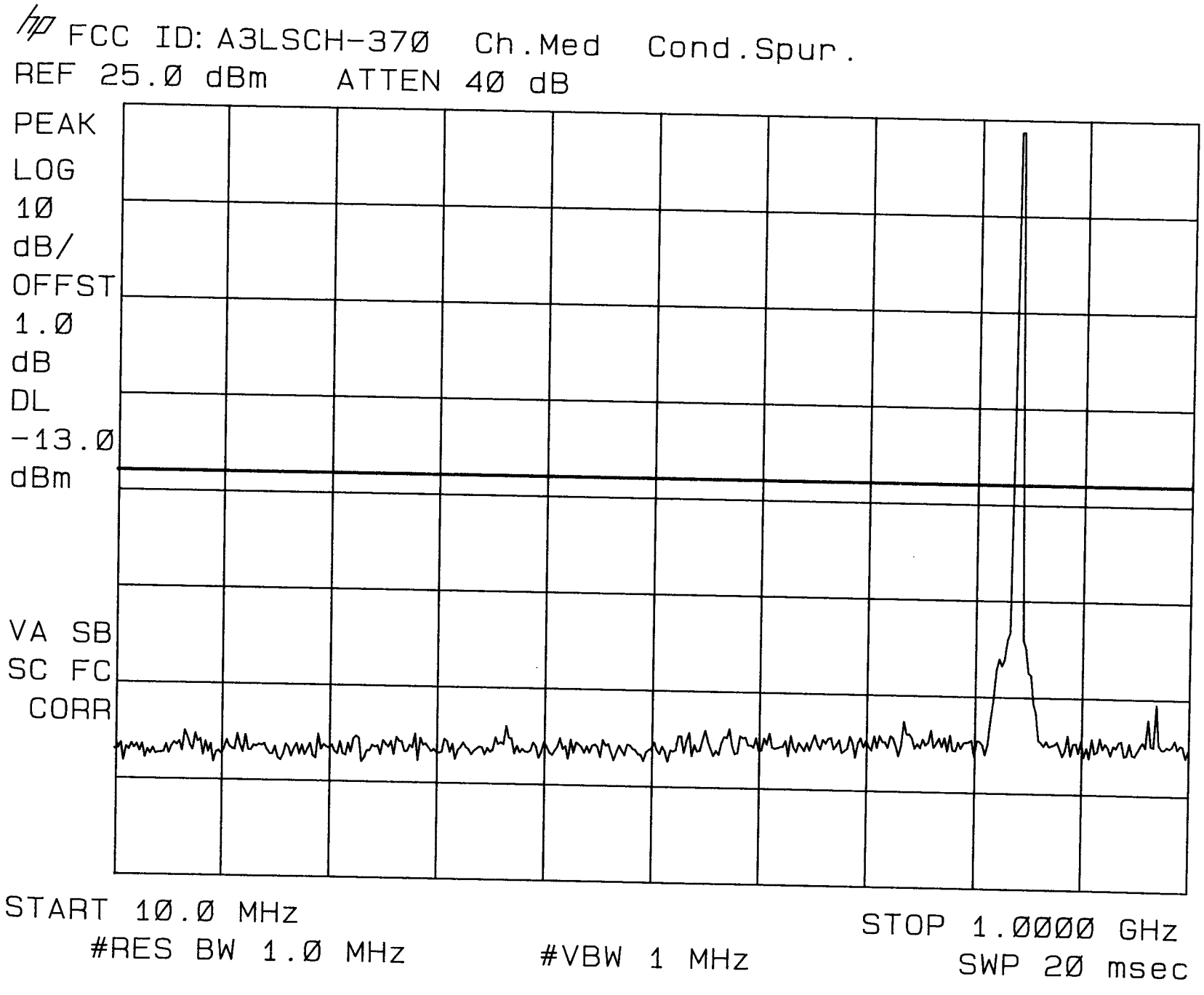

FCC ID: A3LSCH-370 Tx.Spurs. High Pwr MKR 871.50 MHz
REF -30.0 dBm ATTEN 10 dB PG 26.0 dB -87.91 dBm
PEAK
LOG
10
dB/
OFFST
6.0
dB
DL
-50.0
dBm
VA SB
SC FC
CORR
START 869.00 MHz
STOP 894.00 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
SWP 20 msec

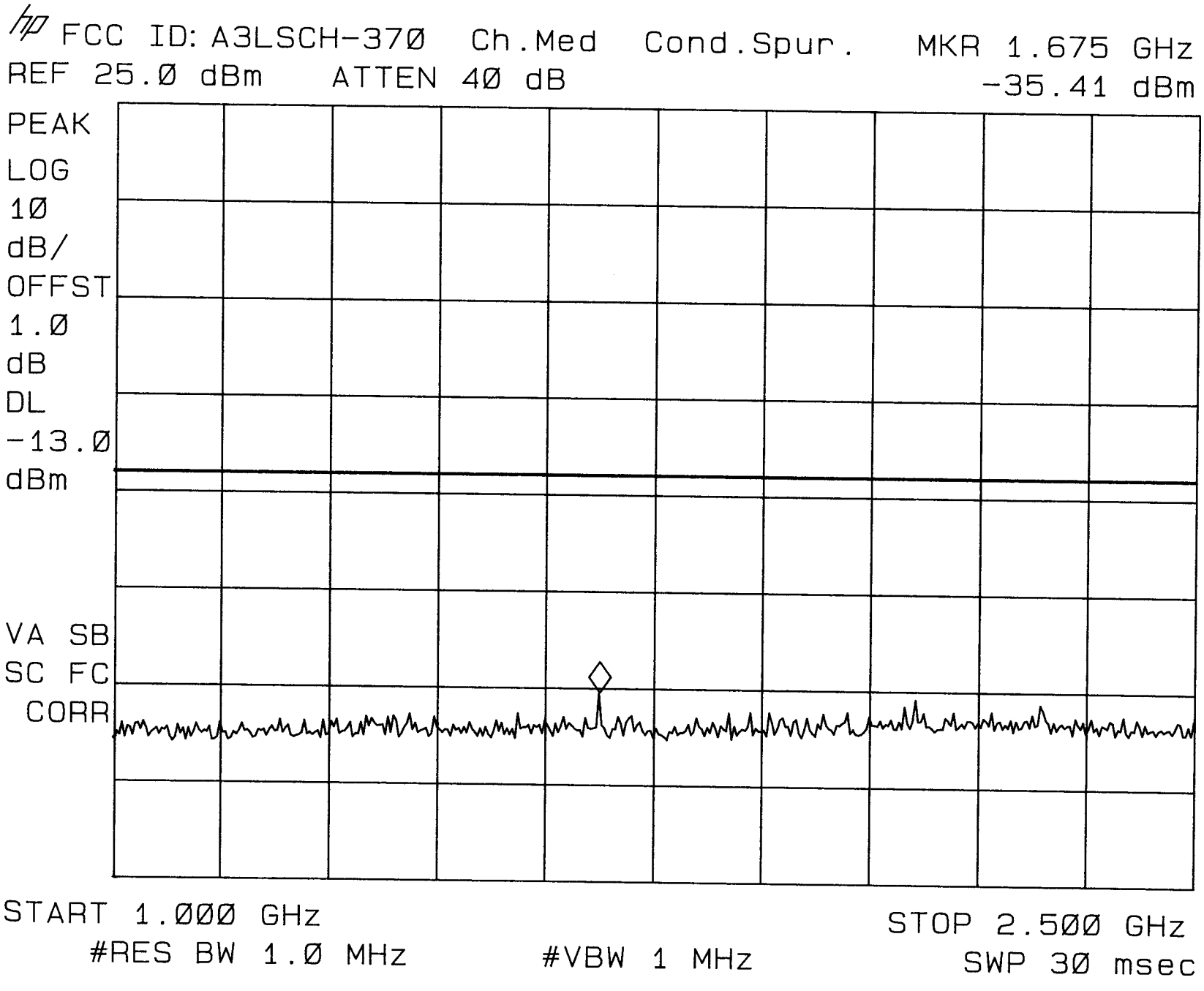

FCC ID: A3LSCH-370 Ch.Low Cond.Spur.
REF 25.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 10.0 MHz
STOP 1.0000 GHz
#RES BW 1.0 MHz
#VBW 1 MHz
SWP 20 msec

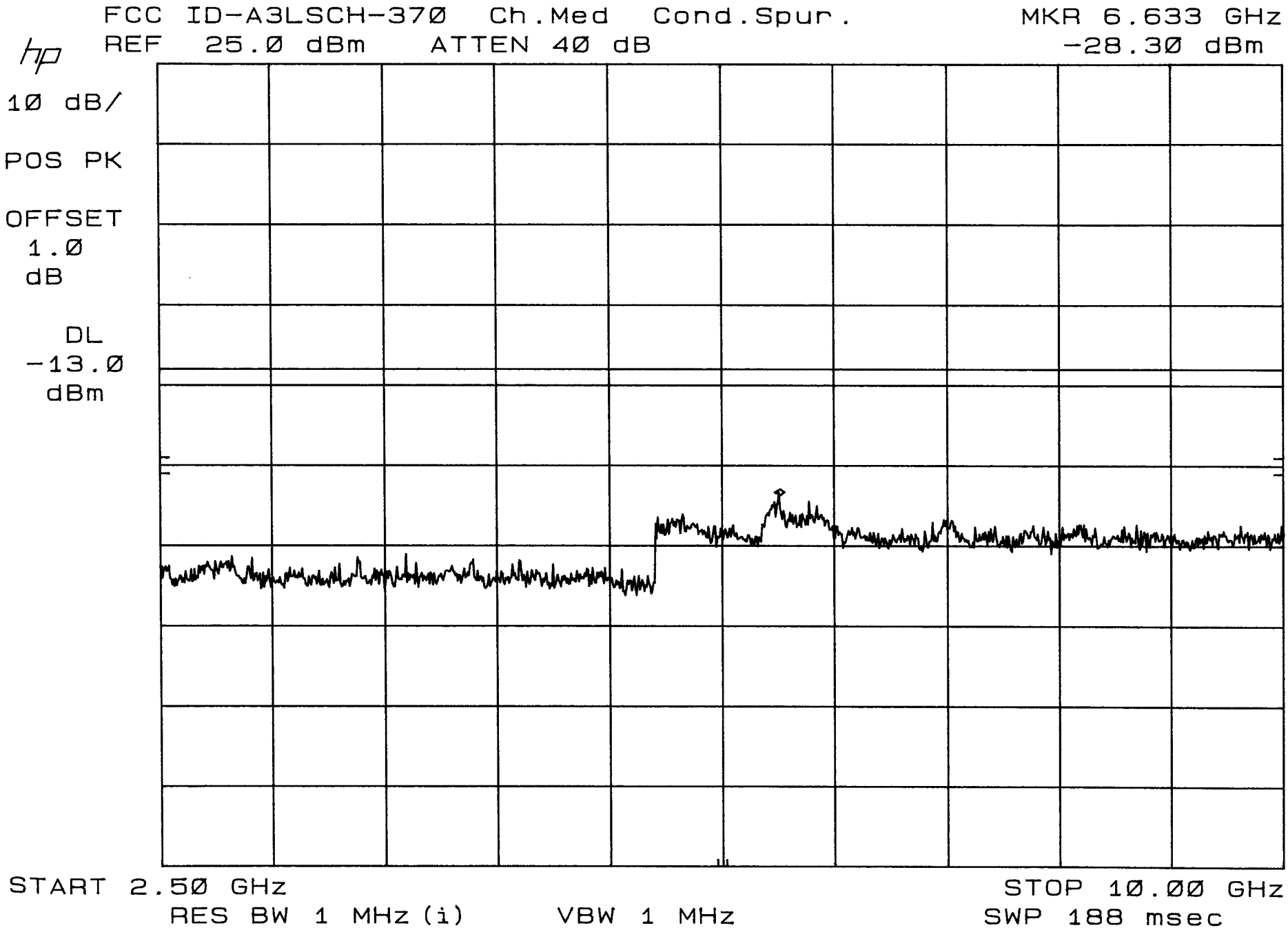

FCC ID: A3LSCH-370 Ch.Low Cond.Spur.
MKR 1.653 GHz
REF 25.0 dBm
ATTEN 40 dB
-34.79 dBm
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 1.000 GHz
STOP 2.500 GHz
#RES BW 1.0 MHz
#VBW 1 MHz
SWP 30 msec

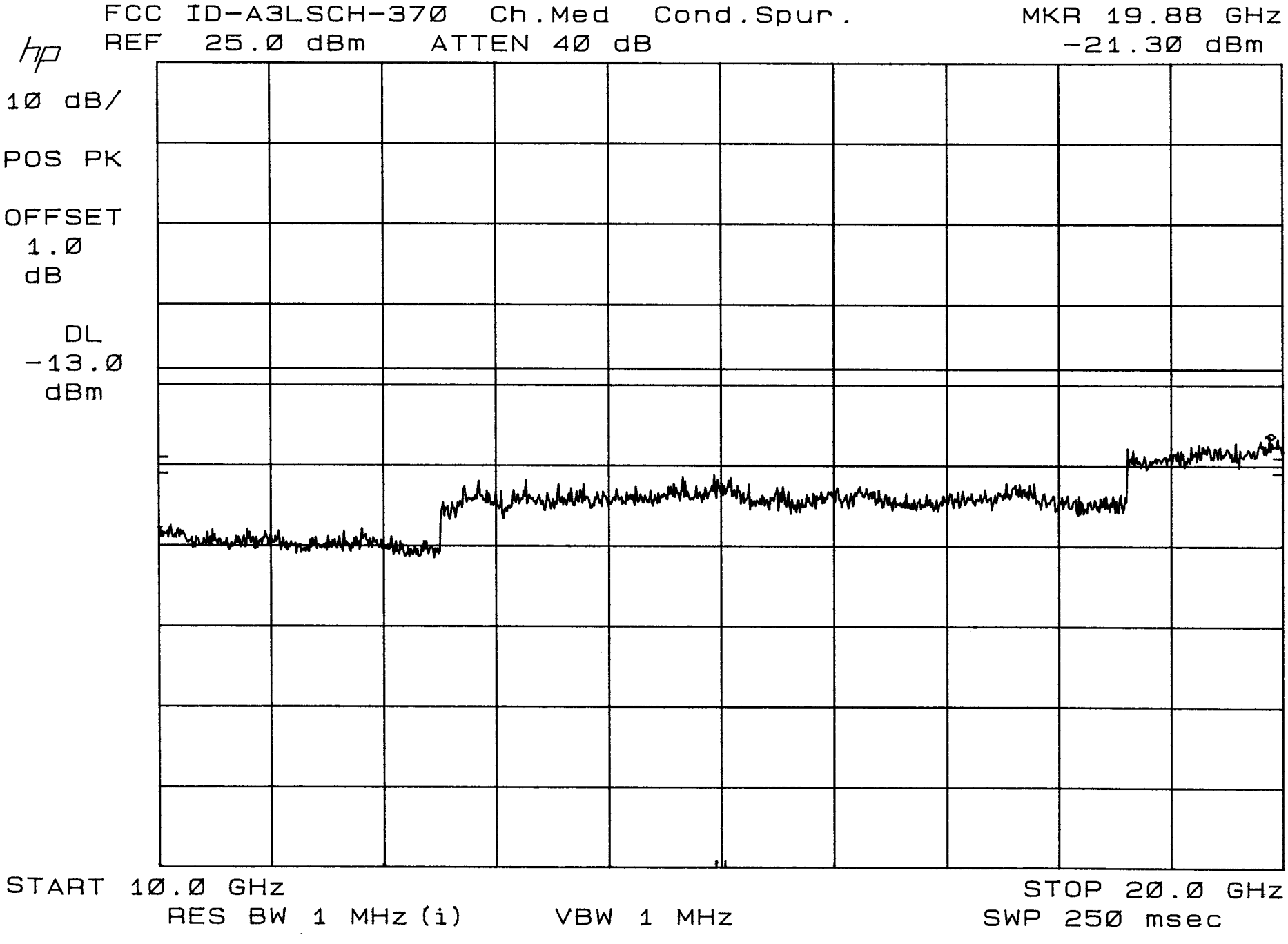

FCC ID-A3LSCH-370 Ch.Low Cond.Spur.
MKR 6.625 GHz
REF 25.0 dBm ATTEN 40 dB + 20 dB
-29.30 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 2.50 GHz
STOP 10.00 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 188 msec

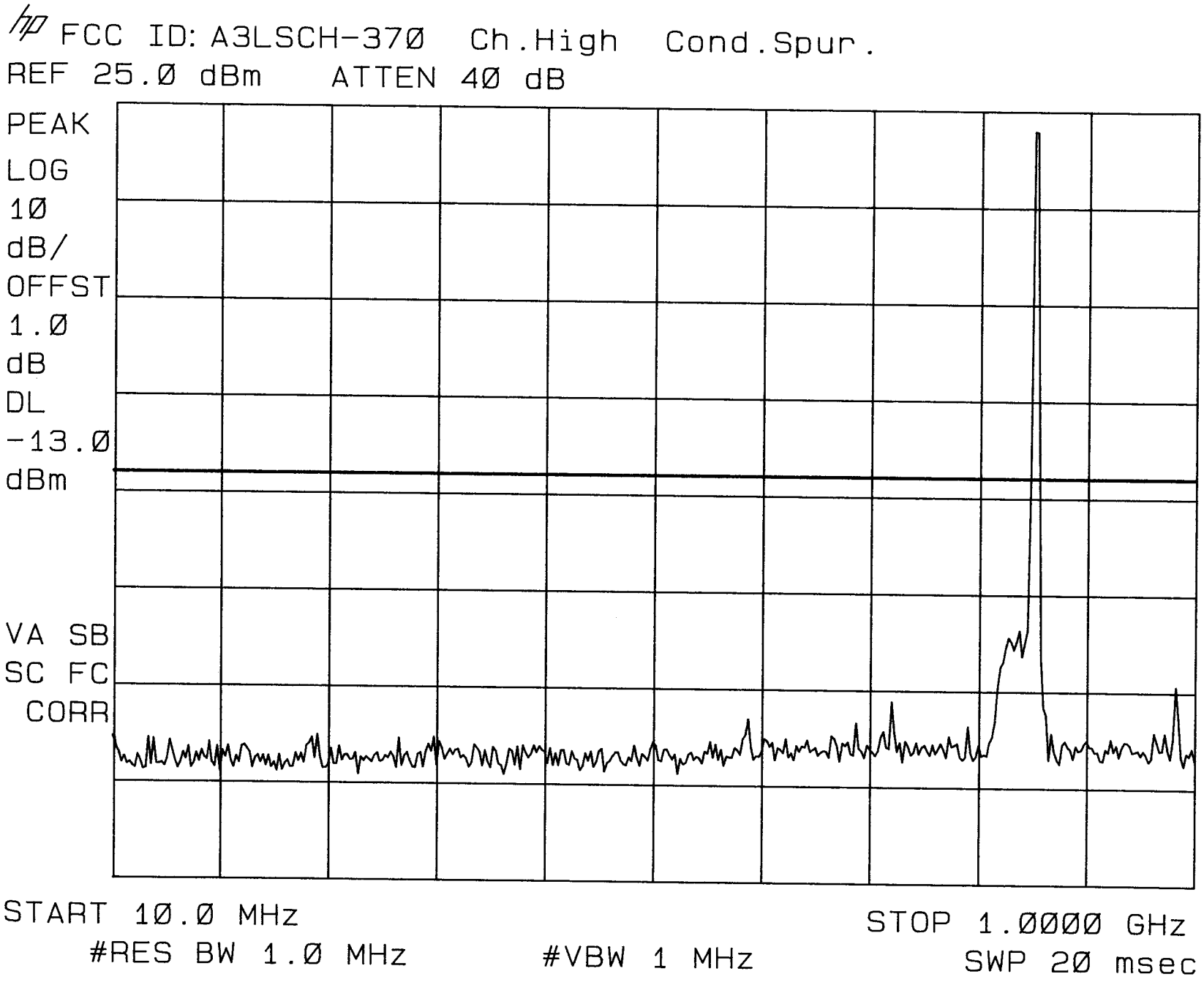

FCC ID-A3LSCH-370 Ch.Low Cond.Spur.
MKR 19.95 GHz
REF 25.0 dBm ATTEN 40 dB
-21.30 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 10.0 GHz
STOP 20.0 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 250 msec

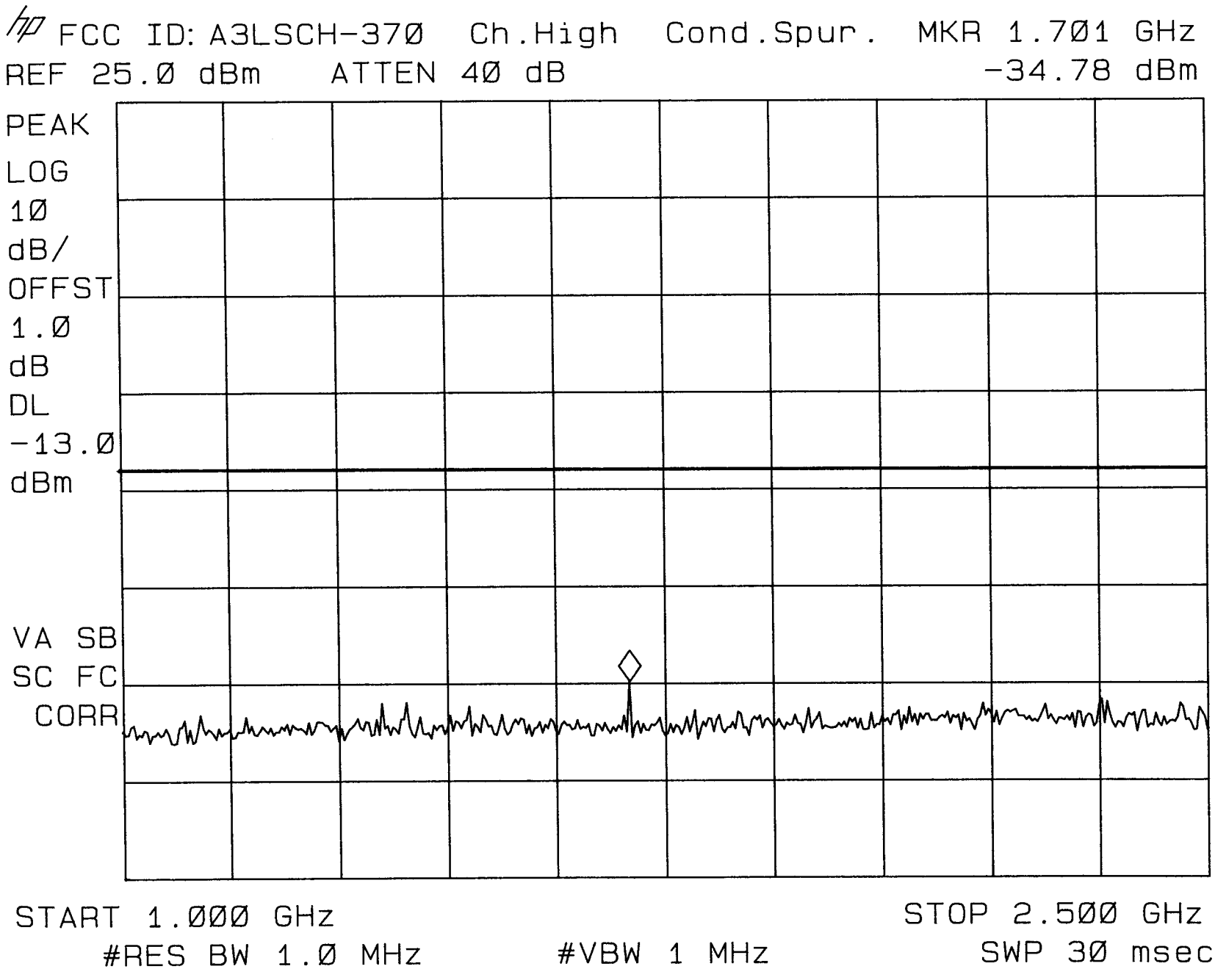

FCC ID: A3LSCH-370 Ch.Med Cond.Spur.
REF 25.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 10.0 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 1.0000 GHz
SWP 20 msec

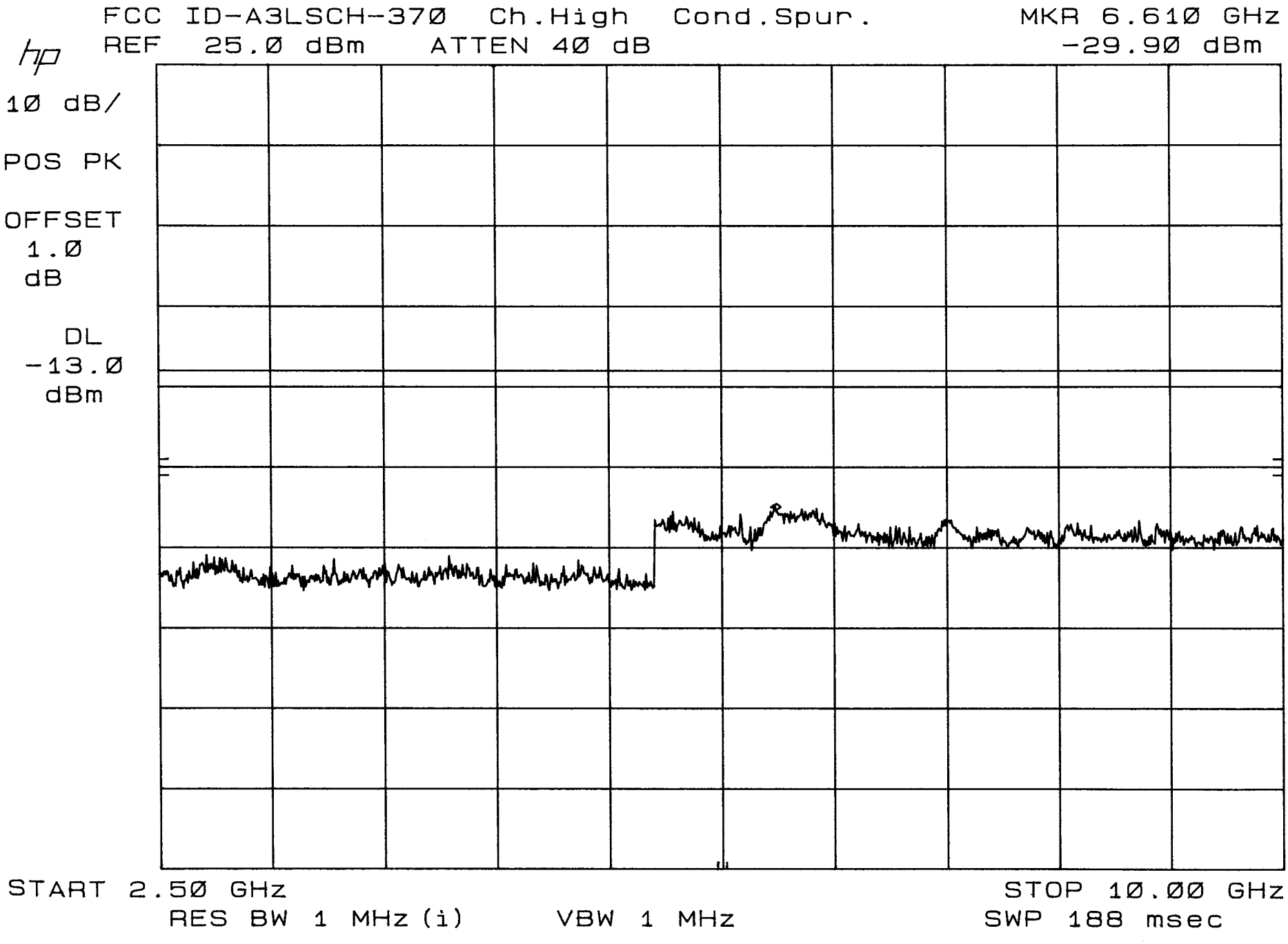

FCC ID: A3LSCH-370 Ch.Med Cond.Spur.
MKR 1.675 GHz
REF 25.0 dBm
ATTEN 40 dB
-35.41 dBm
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 1.000 GHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 2.500 GHz
SWP 30 msec

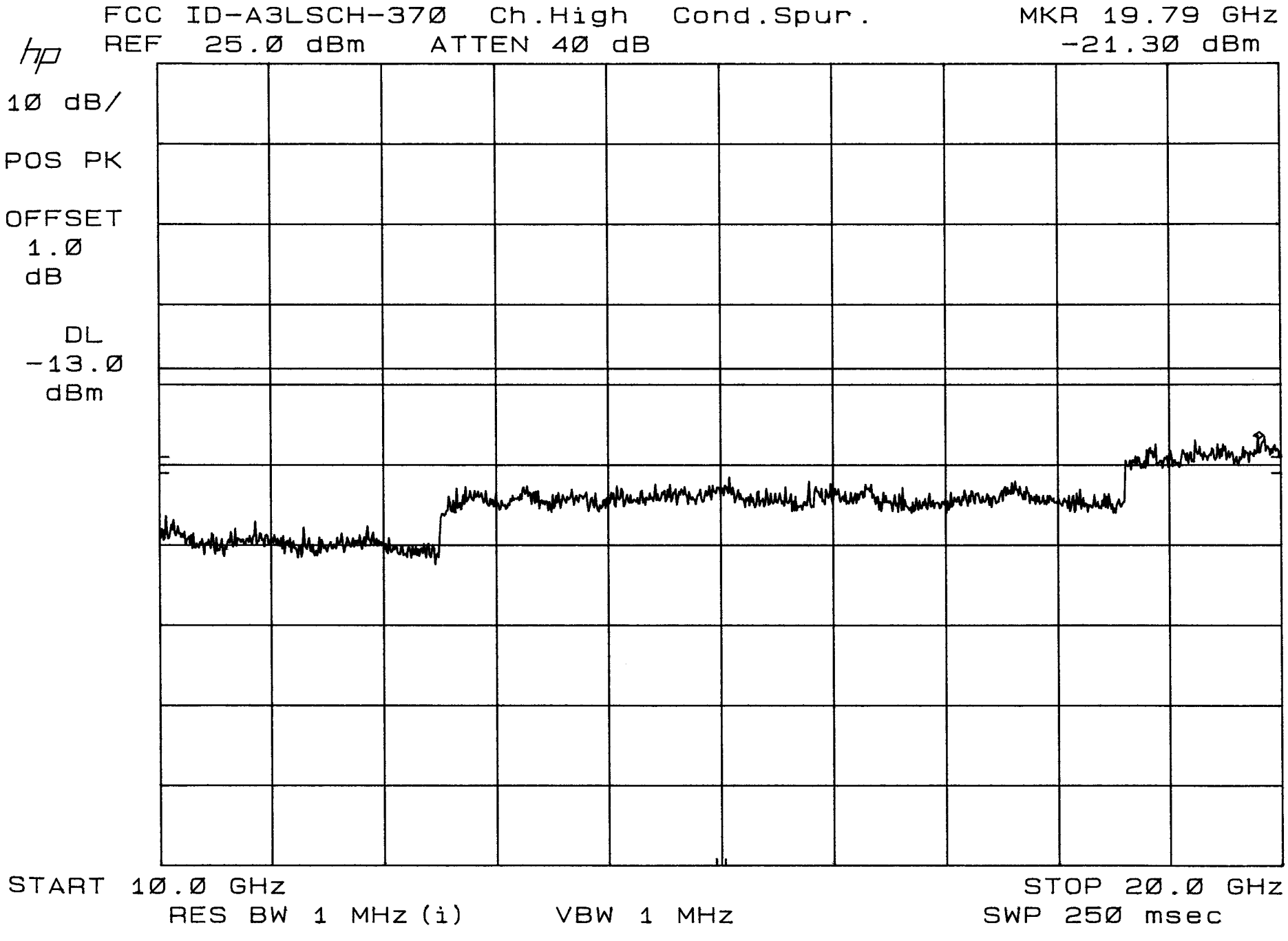

FCC ID-A3LSCH-370 Ch.Med Cond.Spur.
MKR 6.633 GHz
REF 25.0 dBm ATTEN 40 dB
-28.30 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 2.50 GHz
STOP 10.00 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 188 msec

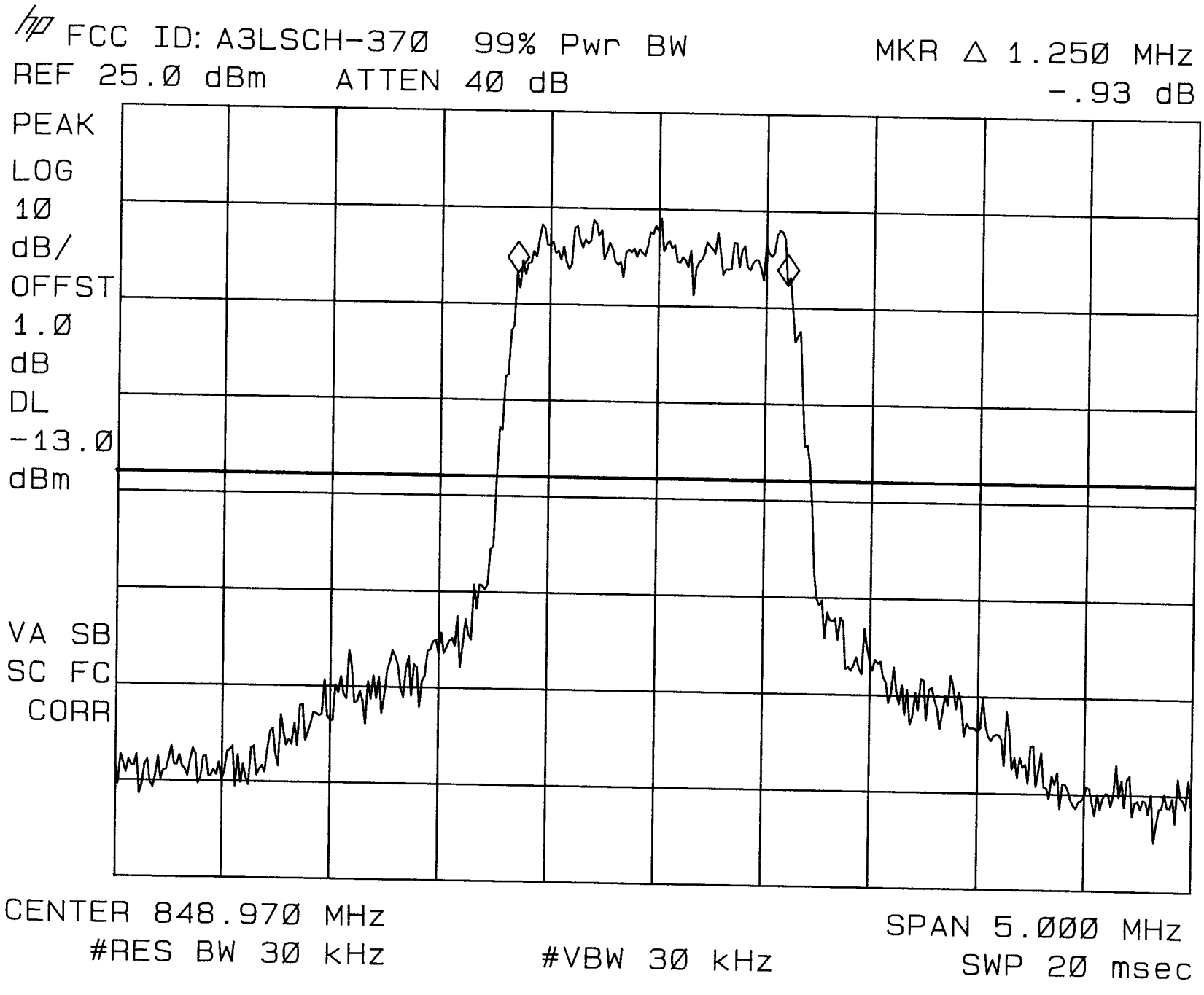

FCC ID-A3LSCH-370 Ch.Med Cond.Spur.
MKR 19.88 GHz
REF 25.0 dBm ATTEN 40 dB
-21.30 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 10.0 GHz
STOP 20.0 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 250 msec

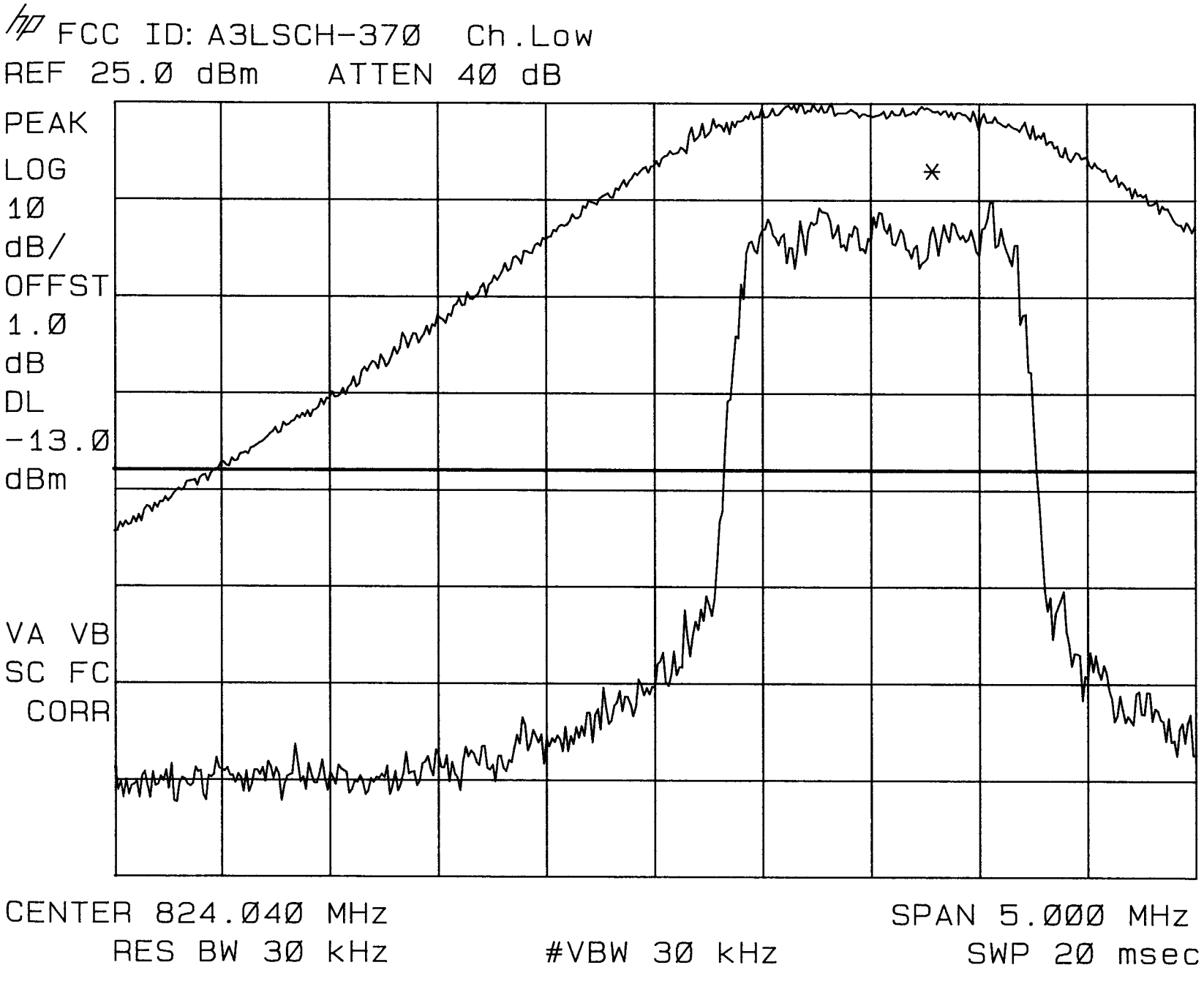

FCC ID: A3LSCH-370 Ch.High Cond.Spur.
REF 25.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 10.0 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 1.0000 GHz
SWP 20 msec

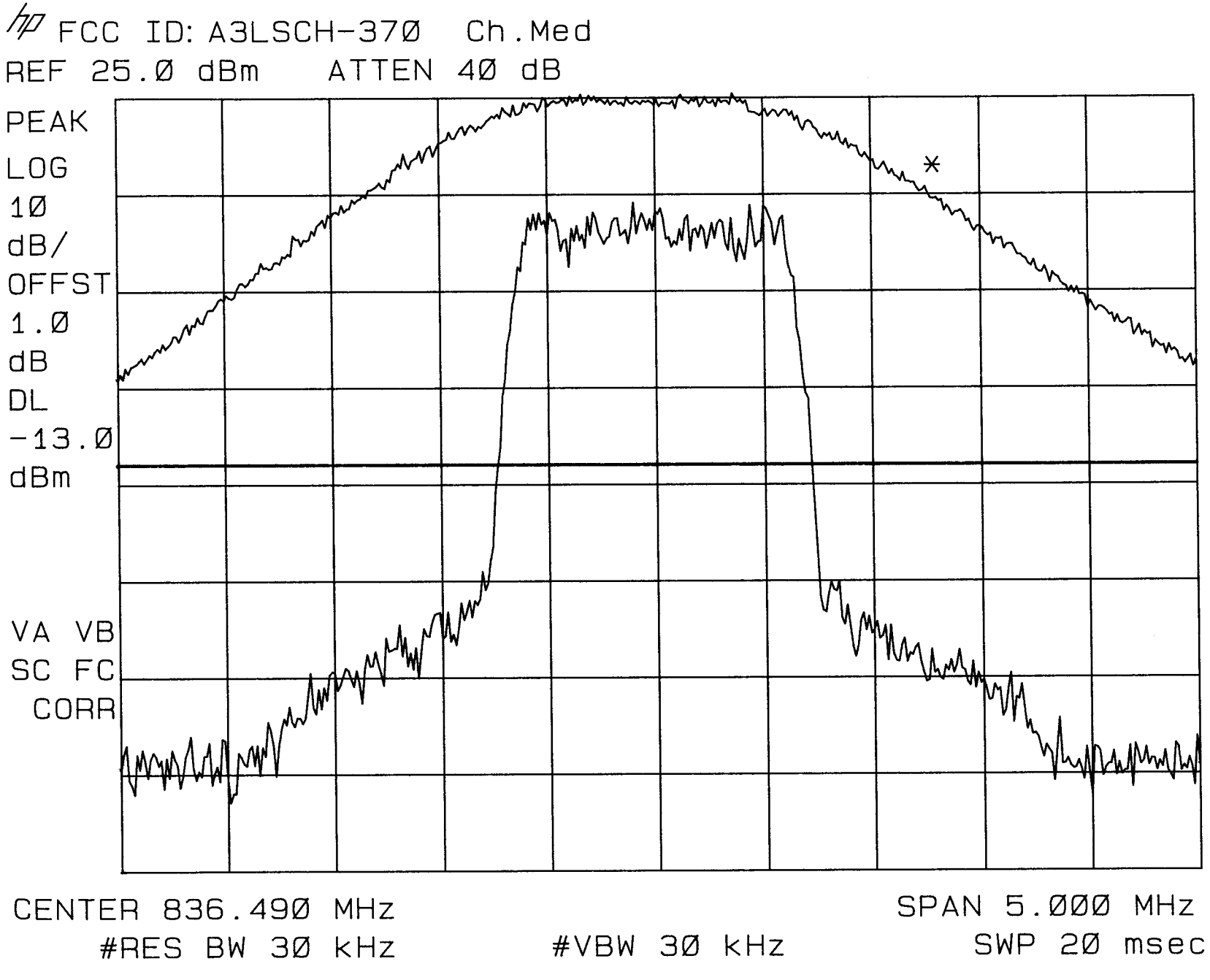

FCC ID: A3LSCH-370 Ch.High Cond.Spur. MKR 1.701 GHz
REF 25.0 dBm ATTEN 40 dB -34.78 dBm
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
START 1.000 GHz
STOP 2.500 GHz
#RES BW 1.0 MHz
#VBW 1 MHz
SWP 30 msec

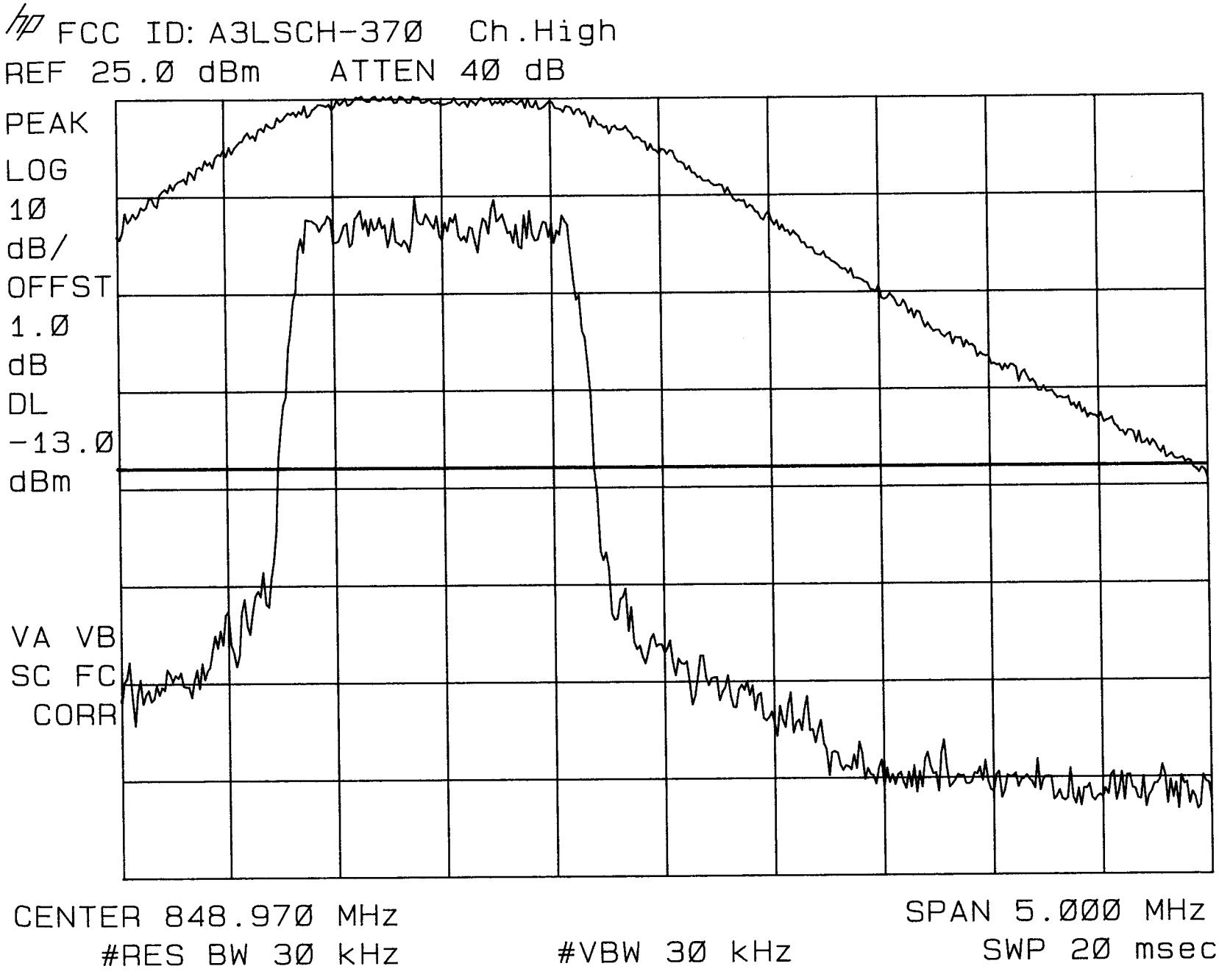

FCC ID-A3LSCH-370 Ch.High Cond.Spur.
MKR 6.610 GHz
REF 25.0 dBm
ATTEN 40 dB
-29.90 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 2.50 GHz
STOP 10.00 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 188 msec


FCC ID-A3LSCH-370 Ch.High Cond.Spur.
MKR 19.79 GHz
REF 25.0 dBm
ATTEN 40 dB
-21.30 dBm
10 dB/
POS PK
OFFSET
1.0
dB
DL
-13.0
dBm
START 10.0 GHz
STOP 20.0 GHz
RES BW 1 MHz (i)
VBW 1 MHz
SWP 250 msec


FCC ID: A3LSCH-370 99% Pwr BW
MKR Δ 1.250 MHz
REF 25.0 dBm ATTEN 40 dB
-.93 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA SB
SC FC
CORR
CENTER 848.970 MHz
#RES BW 30 kHz
#VBW 30 kHz
SPAN 5.000 MHz
SWP 20 msec


FCC ID: A3LSCH-370 Ch.Low
REF 25.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA VB
SC FC
CORR
CENTER 824.040 MHz
SPAN 5.000 MHz
RES BW 30 kHz
#VBW 30 kHz
SWP 20 msec


FCC ID: A3LSCH-370 Ch.Med
REF 25.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA VB
SC FC
CORR
CENTER 836.490 MHz
#RES BW 30 kHz
#VBW 30 kHz
SPAN 5.000 MHz
SWP 20 msec


FCC ID: A3LSCH-370 Ch.High
REF 25.0 dBm ATTEN 40 dB
PEAK
LOG
10
dB/
OFFST
1.0
dB
DL
-13.0
dBm
VA VB
SC FC
CORR
CENTER 848.970 MHz
#RES BW 30 kHz
#VBW 30 kHz
SPAN 5.000 MHz
SWP 20 msec