


**FCC
Occupied Bandwidth
Data Scans
of
Lucent Technologies Inc.**

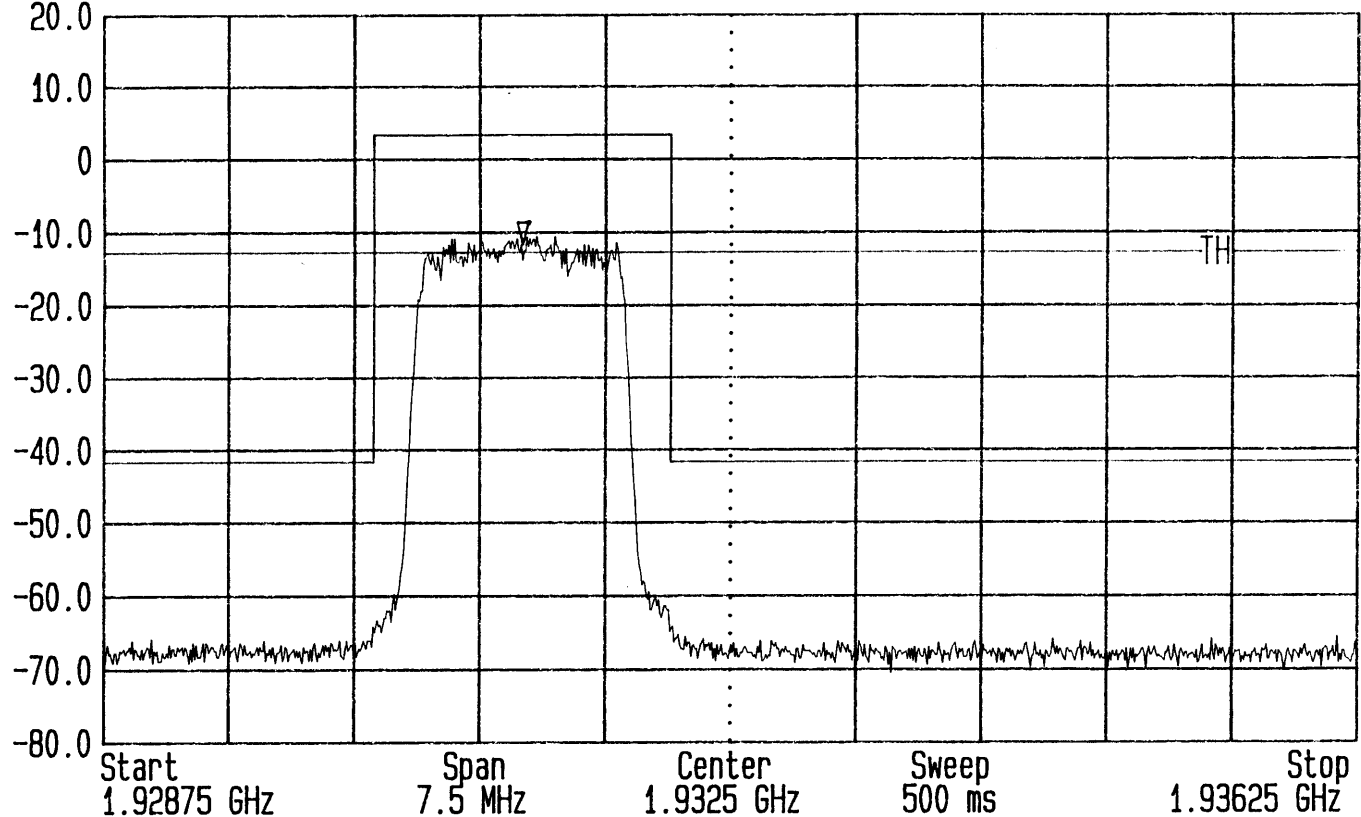
**PCS
Ultra Linear Amplifier Module /Multi Carrier Amplifier
(ULAM/ MCA)**

Block A Data

**Single, Dual and Three Carrier
MCA Configurations**

FCC Occupied Bandwidth: Input Chart - PCS A Block, Sub-Block A1, Single Carrier Configuration ULAM/MCA

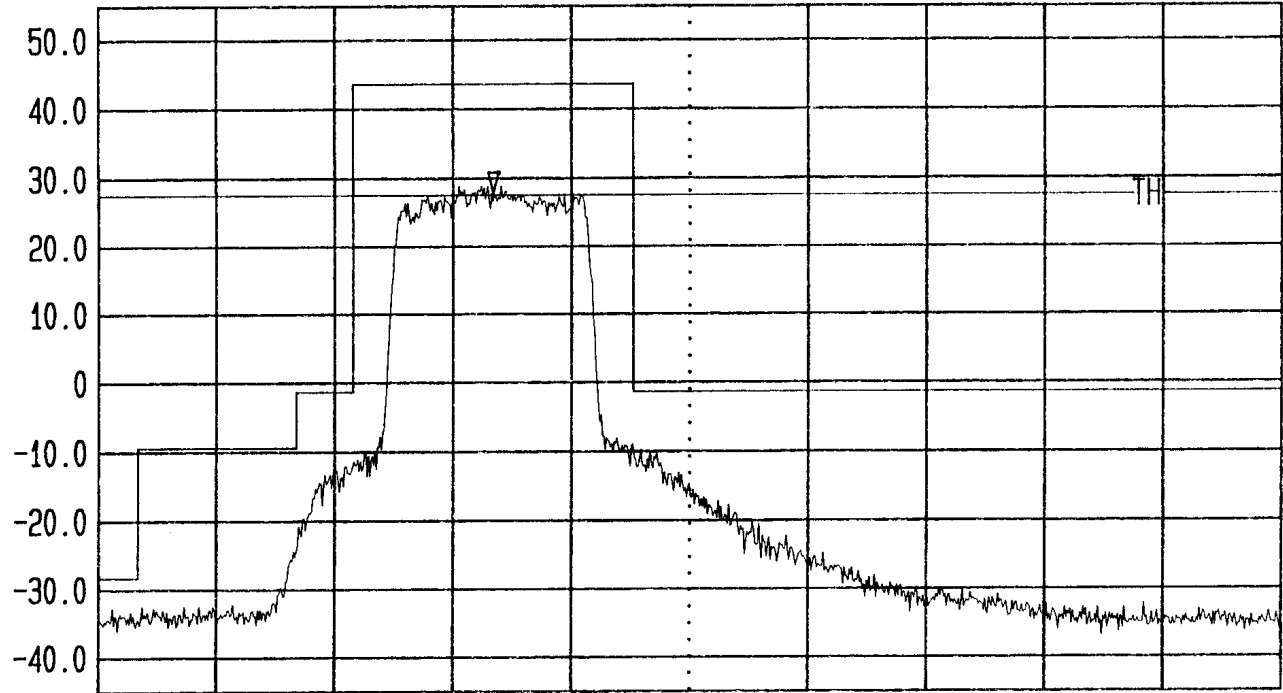

 LVLOFF
 Date 08.Sep.'99 Time 15:50:03
 Ref.Lvl 20.00 dBm Marker -11.56 dBm
 Res.Bw 30.0 kHz [3dB] TG.Lvl off
 CF.Stp 750.000 kHz RF.Att 10 dB
 Thresh -12.70 dBm Unit [dBm]



FCC Occupied Bandwidth; FLEXENT PCS ULAM/MCA Input @ 1 ULAM 24 W/c at J4
 AS5CMP-36 A Block Sub-Block A1, Channel 25 4.7dBm / 3.0 mW @ RF input

FCC Occupied Bandwidth: Output Chart - PCS A Block, Sub-Block A1, Single Carrier Configuration ULAM/MCA

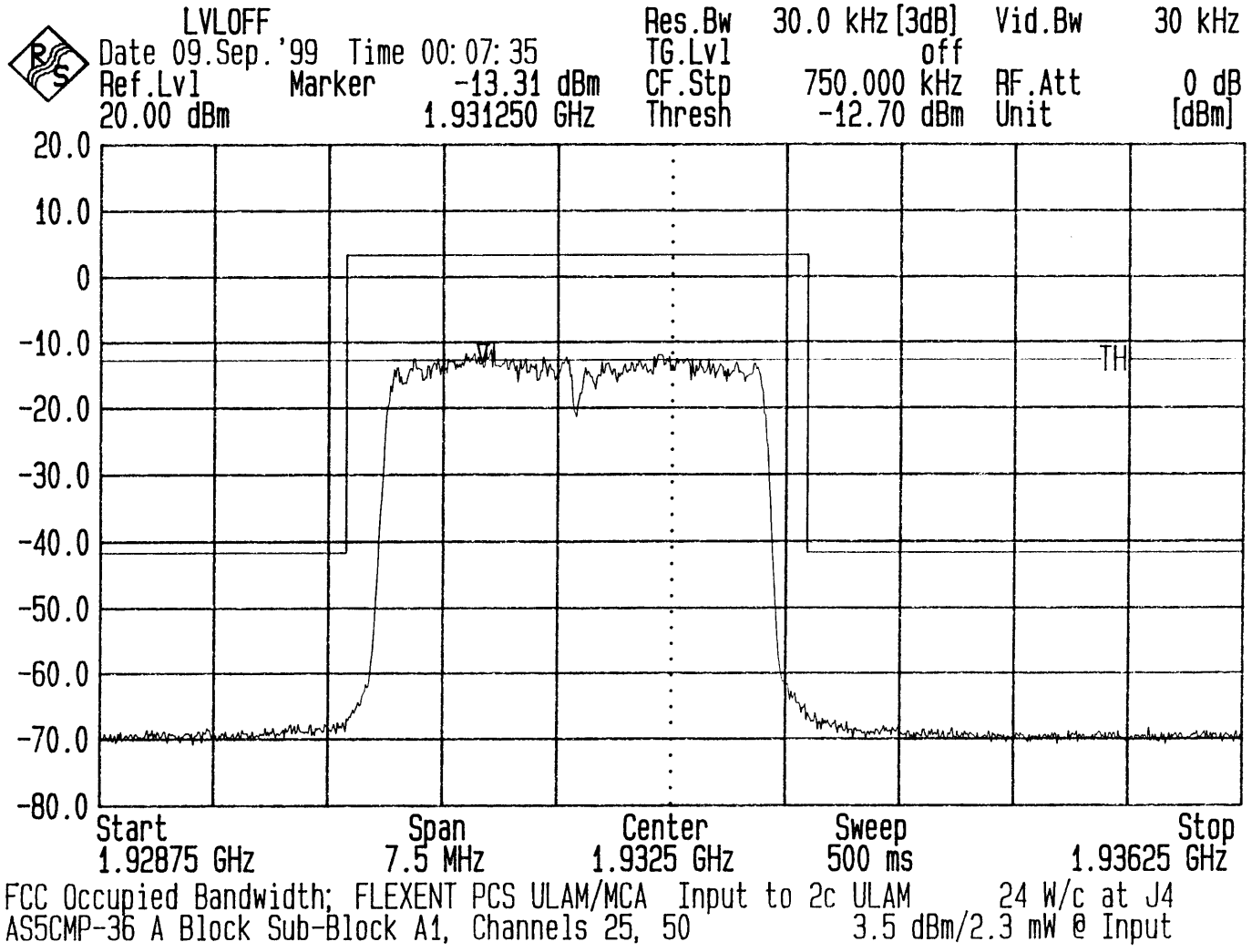
LVLOFF
Date 08.Sep.'99 Time 19:10:33
Ref.Lvl 55.00 dBm
Marker 28.01 dBm
1.931250 GHz
Res.Bw 30.0 kHz [3dB]
TG.Lvl off
CF.Stp 750.000 kHz
Thresh 27.50 dBm
Vid.Bw 1 MHz
RF.Att 0 dB
Unit [dBm]




Start 1.92875 GHz Span 7.5 MHz Center 1.9325 GHz Sweep 500 ms Stop 1.93625 GHz

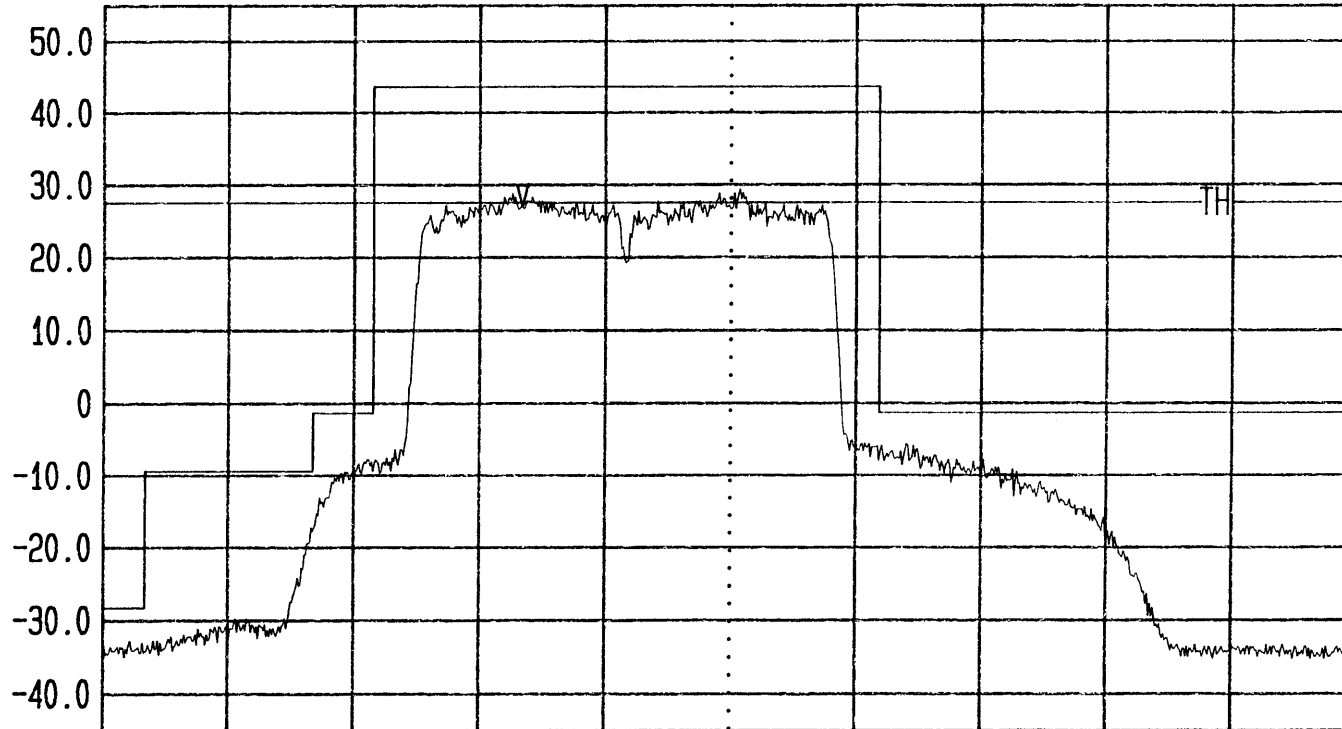
FCC Occupied Bandwidth; FLEXENT PCS ULAM/MCA 1 ULAM 24 W/c at J4
AS5CMP-36 A Block Sub-Block A1, Channel 25 43.97dBm/24.9 W @ J4

FCC Occupied Bandwidth: Input Chart - PCS A Block, Sub-Block A1, Dual Carrier Configuration ULAM/MCA



FCC Occupied Bandwidth: Output Chart - PCS A Block, Sub-Block A1, Dual Carrier Configuration ULAM/MCA



 LVLOFF Date 09.Sep.'99 Time 00:14:08 Res.Bw 30.0 kHz [3dB] Vid.Bw 30 kHz
 Ref.Lvl 55.00 dBm Marker 27.17 dBm TG.Lvl off
 1.931250 GHz CF.Stp 750.000 kHz RF.Att 0 dB
 Thresh 27.60 dBm Unit [dBm]

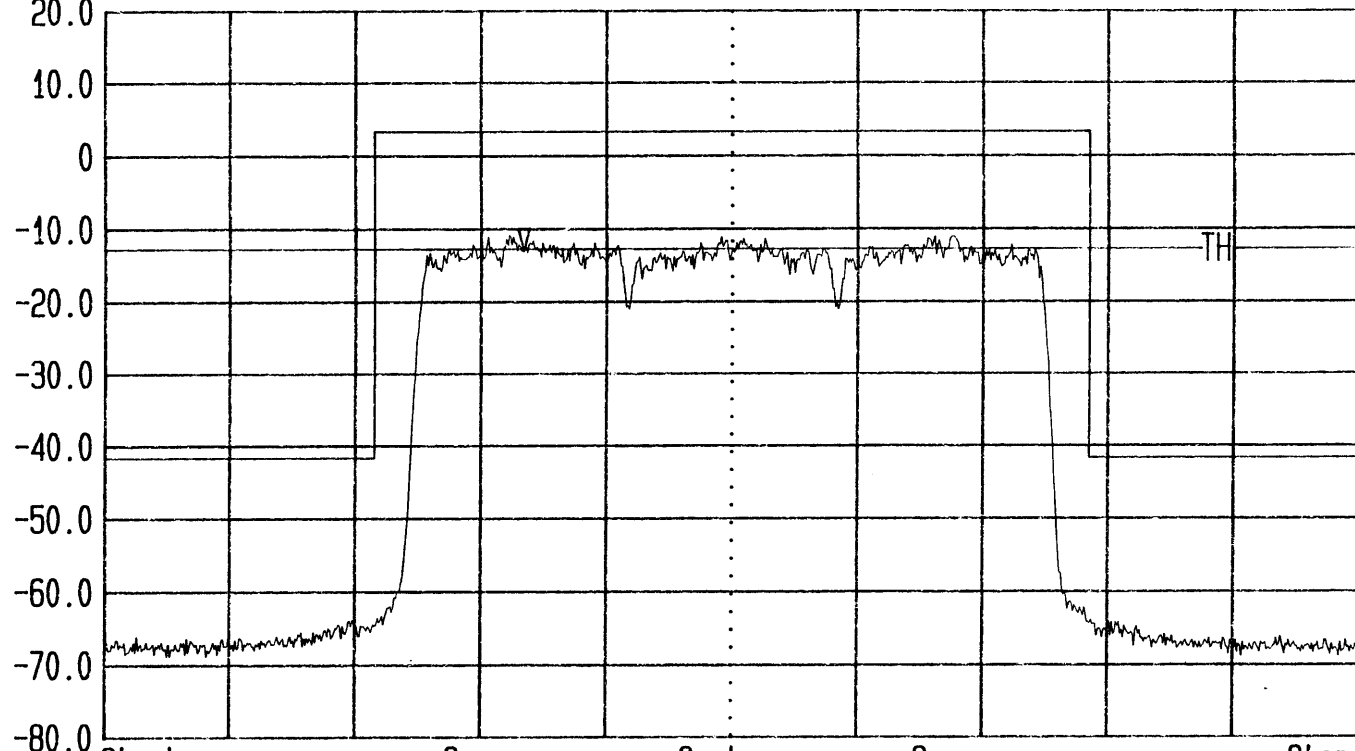


Start 1.92875 GHz Span 7.5 MHz Center 1.9325 GHz Sweep 500 ms Stop 1.93625 GHz

FCC Occupied Bandwidth; FLEXENT PCS ULAM/MCA 2c ULAM 24 W/c at J4
 AS5CMP-36 A Block Sub-Block A1, Channels 25, 50 46.8 dBm/48.1 W @ J4


FCC Occupied Bandwidth: Input Chart - PCS A Block, Sub-Block A1, Three Carrier Configuration ULAM/MCA

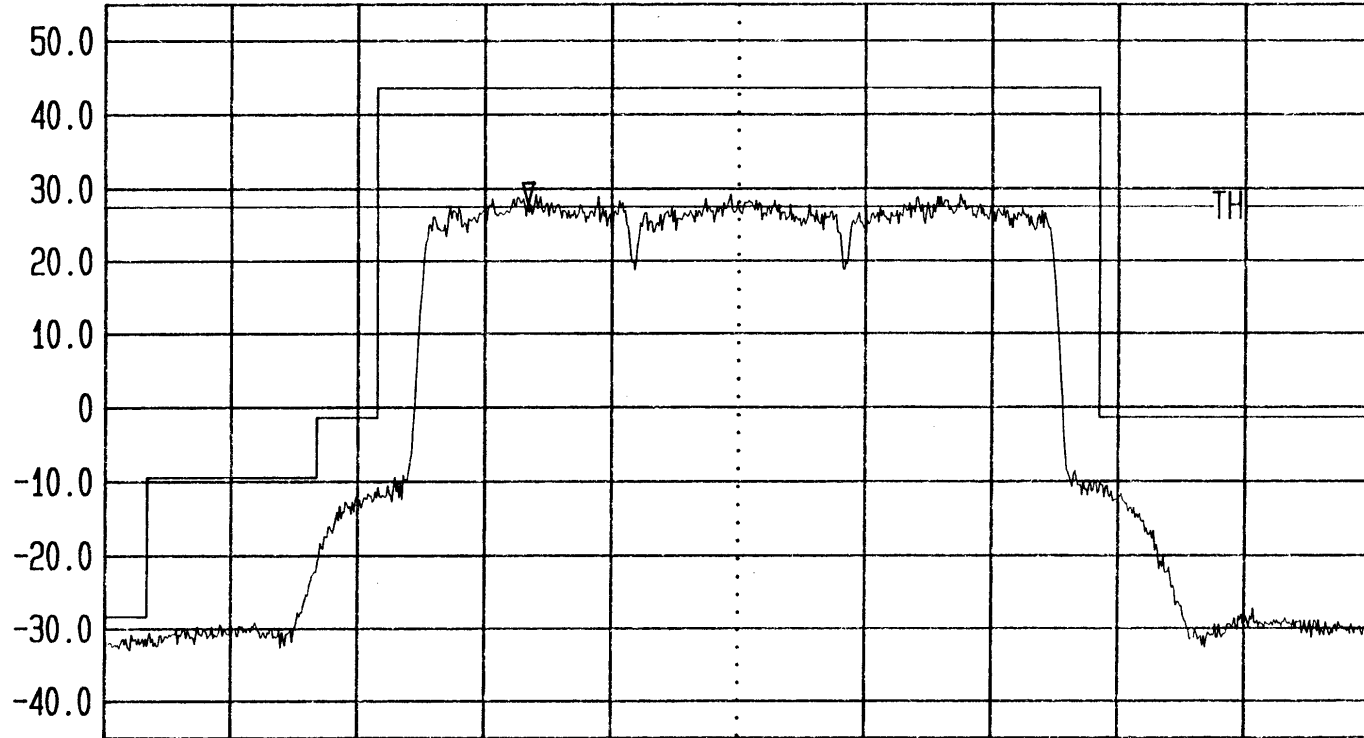

 LVLOFF
 Date 07.Sep.'99 Time 23:49:17
 Ref.Lvl 20.00 dBm Marker -13.01 dBm
 1.931250 GHz
 Res.Bw 30.0 kHz [3dB] TG.Lvl off
 CF.Stp 750.000 kHz RF.Att 10 dB
 Thresh -12.70 dBm Unit [dBm]



Start 1.92875 GHz Span 7.5 MHz Center 1.9325 GHz Sweep 280 ms Stop 1.93625 GHz
 FCC Occupied Bandwidth; FLEXENT PCS ULAM/MCA INPUT @ 1 ULAM 24 W/c at J4
 AS5CMP-36 A Block Sub-Block A1, Channels 25, 50, 75 3.5 dBm/ 2.2 mW @ RF input

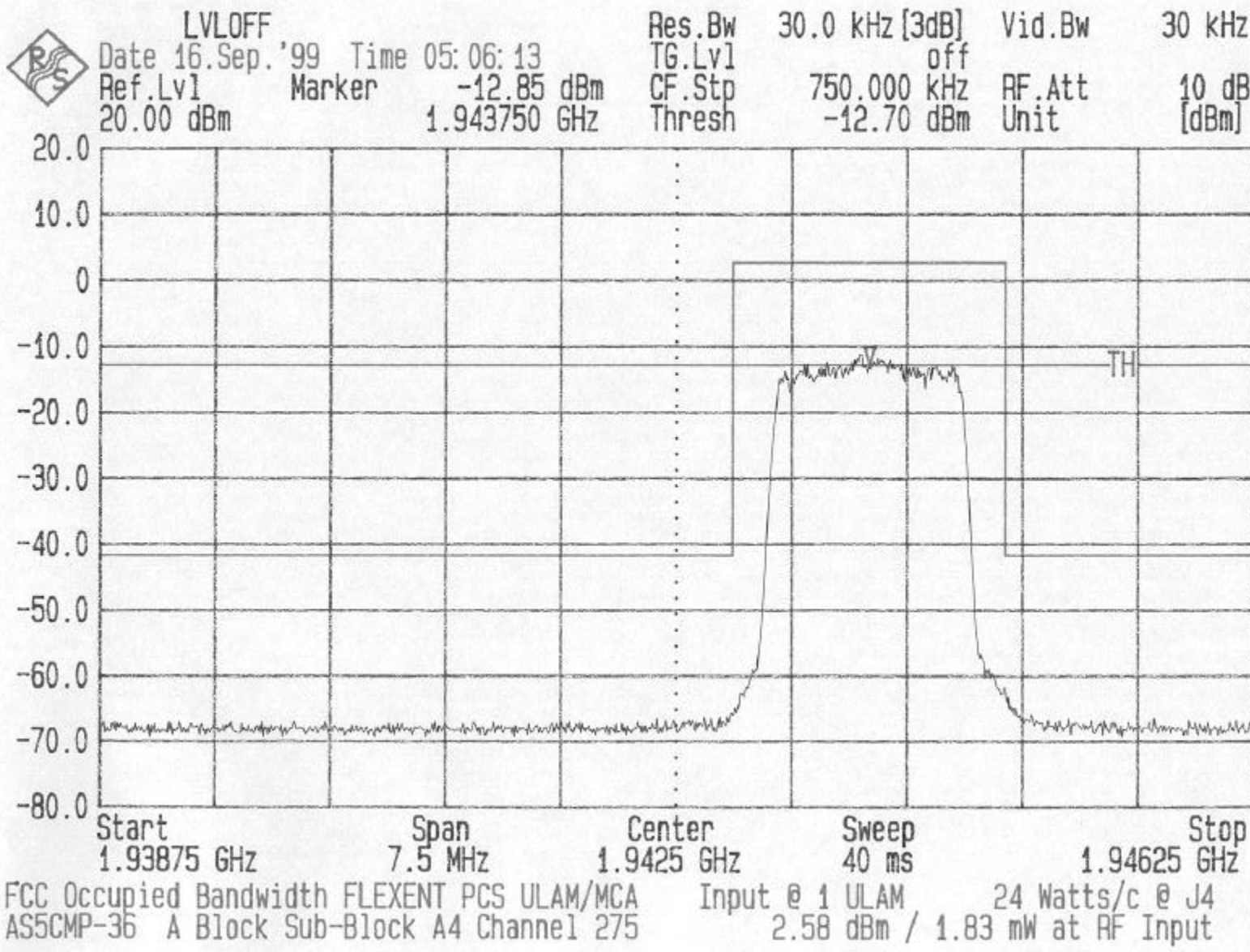
FCC Occupied Bandwidth: Output Chart - PCS A Block, Sub-Block A1, Three Carrier Configuration ULAM/MCA


 LVLOFF
 Date 07.Sep.'99 Time 23:28:44
 Ref.Lvl 55.00 dBm Marker 27.78 dBm
 1.931250 GHz
 Res.Bw 30.0 kHz [3dB]
 TG.Lvl off
 CF.Stp 750.000 kHz
 Thresh 27.60 dBm
 Vid.Bw 30 kHz
 RF.Att Unit
 10 dB [dBm]

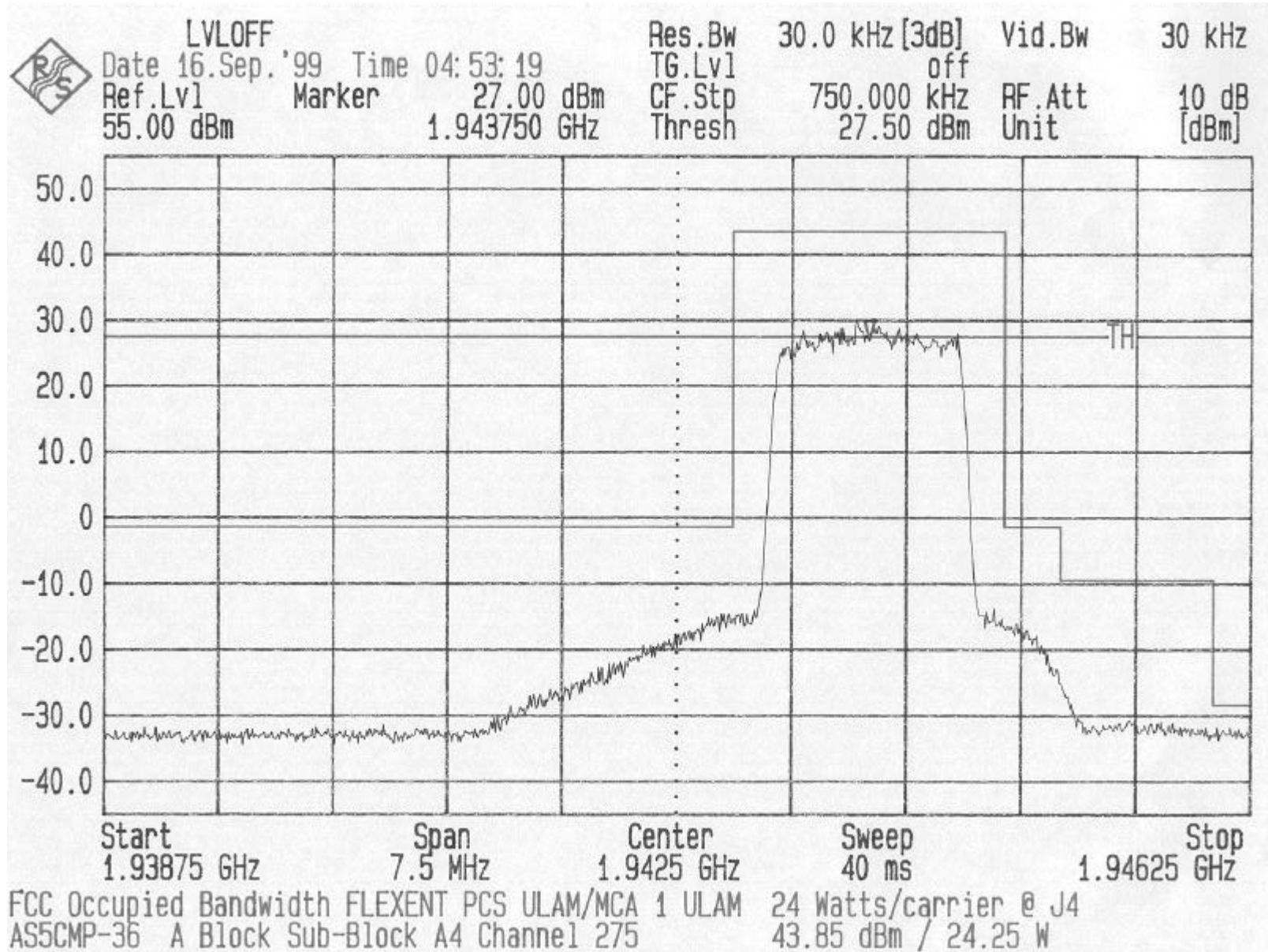


Start 1.92875 GHz Span 7.5 MHz Center 1.9325 GHz Sweep 280 ms Stop 1.93625 GHz
 FCC Occupied Bandwidth; FLEXENT PCS ULAM/MCA 24 W per carrier at J4
 AS5CMP-36 A Block Sub-Block A1, Channels 25, 50, 75 48.6 dBm/ 73.0 Watts total

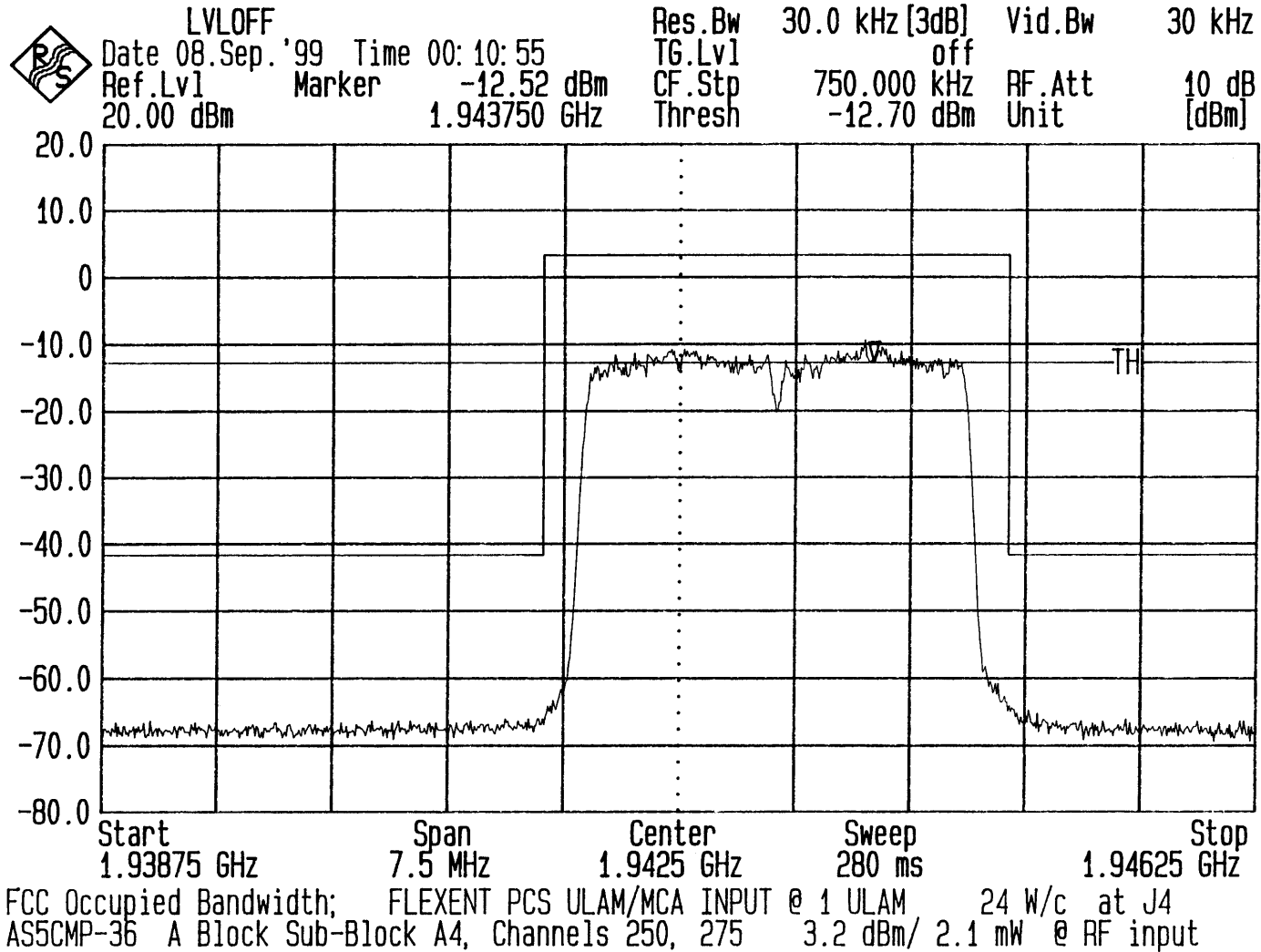
FCC Occupied Bandwidth: Input Chart - PCS A Block, Sub-Block A4, Single Carrier Configuration ULAM/MCA




FCC Occupied Bandwidth: Output Chart - PCS A Block, Sub-Block A4, Single Carrier Configuration ULAM/MCA

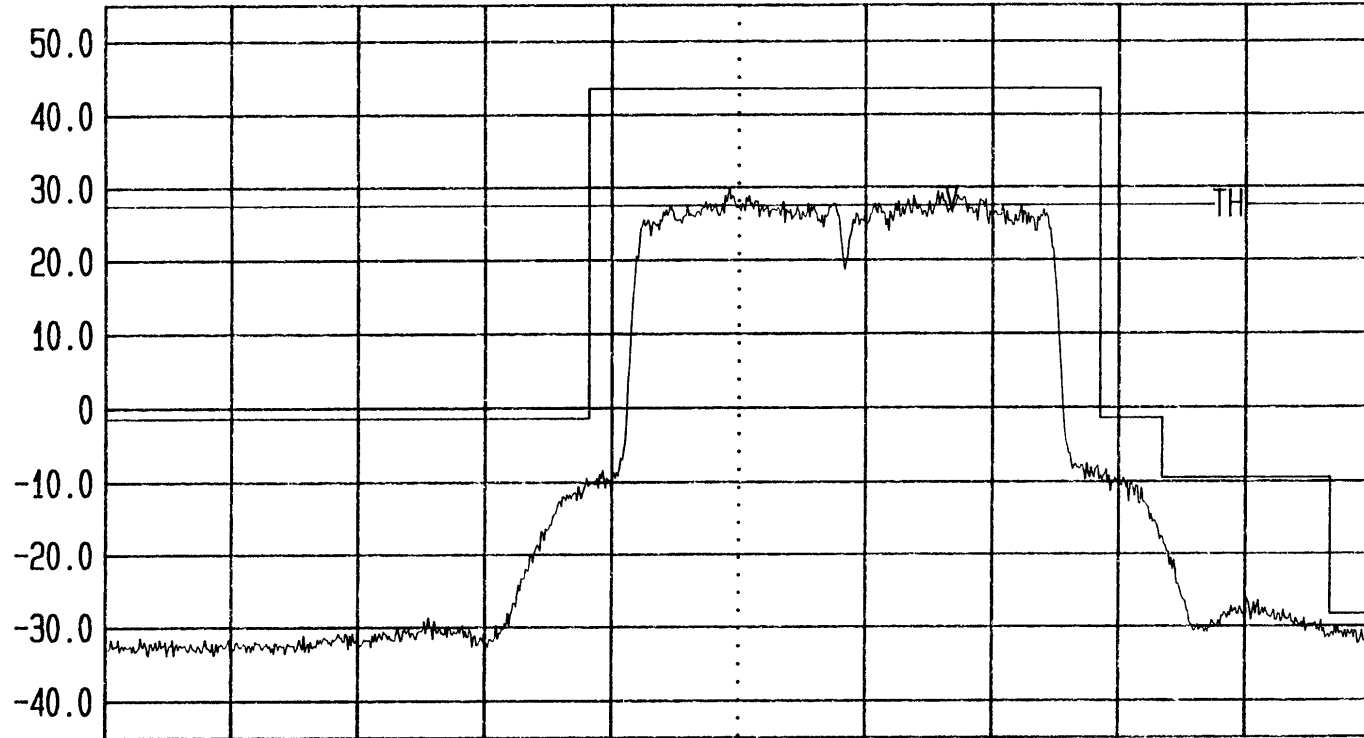


FCC Occupied Bandwidth: Input Chart - PCS A Block, Sub-Block A4, Dual Carrier Configuration ULAM/MCA



FCC Occupied Bandwidth: Output Chart - PCS A Block, Sub-Block A4, Dual Carrier Configuration ULAM/MCA

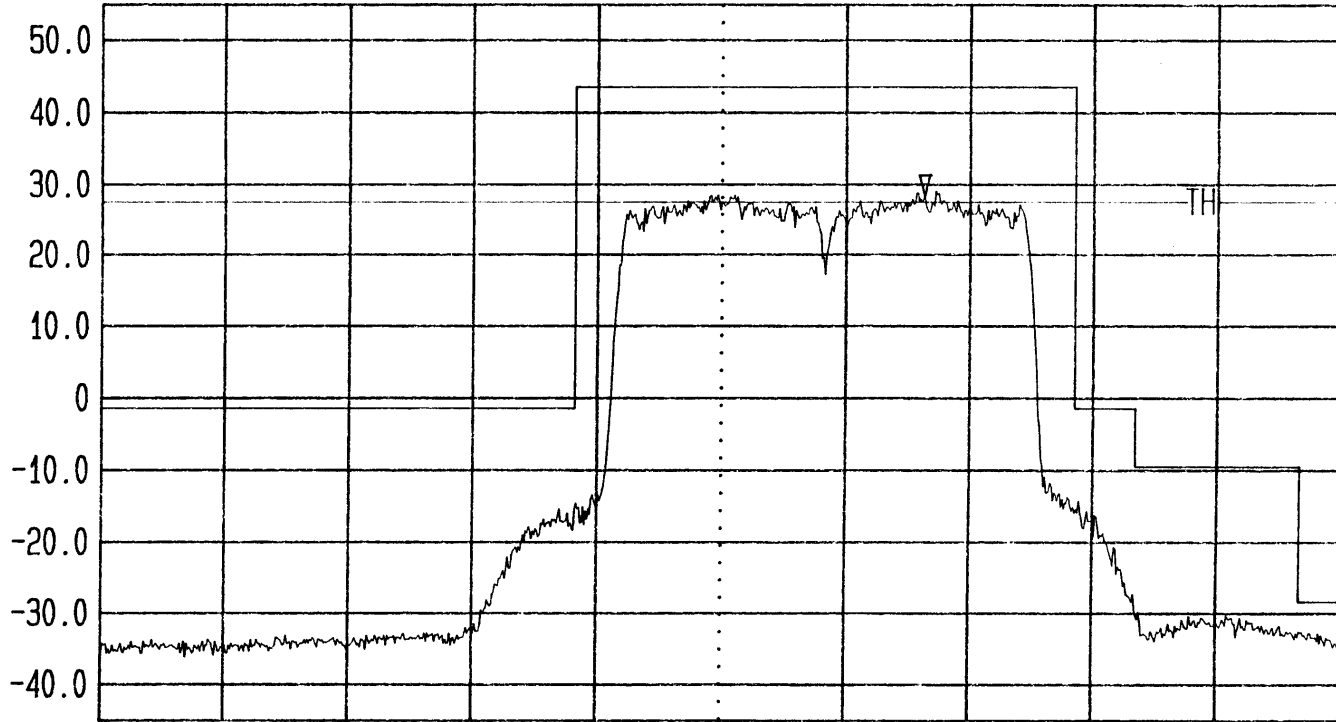

 LVLOFF
 Date 07.Sep.'99 Time 15:28:30 Res.Bw 30.0 kHz [3dB] Vid.Bw 30 kHz
 Ref.Lvl 55.00 dBm Marker 27.00 dBm TG.Lvl off
 CF.Stp 750.000 kHz RF.Att 10 dB
 Thresh 27.60 dBm Unit [dBm]



Start 1.93875 GHz Span 7.5 MHz Center 1.9425 GHz Sweep 280 ms Stop 1.94625 GHz
 FCC Occupied Bandwidth; FLEXENT PCS ULAM/MCA 24 W per carrier at J4
 AS5CMP-36 A Block Sub-Block A4, Channels 250, 275 46.8 dBm/ 48.3 Watts total

FCC Occupied Bandwidth: Input Chart - PCS B Block, Sub-Block B1, Single Carrier Configuration ULAM/MCA

LVLOFF
Date 01.Sep.'99 Time 03:21:50 Res.Bw 30.0 kHz [3dB] Vid.Bw 30 kHz
Ref.Lvl 55.00 dBm Marker 28.44 dBm TG.Lvl off
CF.Stp 1.000 GHz RF.Att 0 dB
Thresh 27.60 dBm Unit [dBm]



Start 1.95875 GHz Span 7.5 MHz Center 1.9625 GHz Sweep 40 ms Stop 1.96625 GHz
FCC Occupied Bandwidth FLEXENT PCS ULAM/MCA 24W per Carrier at J4
AS5CMP-36 B Block, B4 Sub-Block Channels 650, 675 46.9 dBm/ 49.3 Watts tota