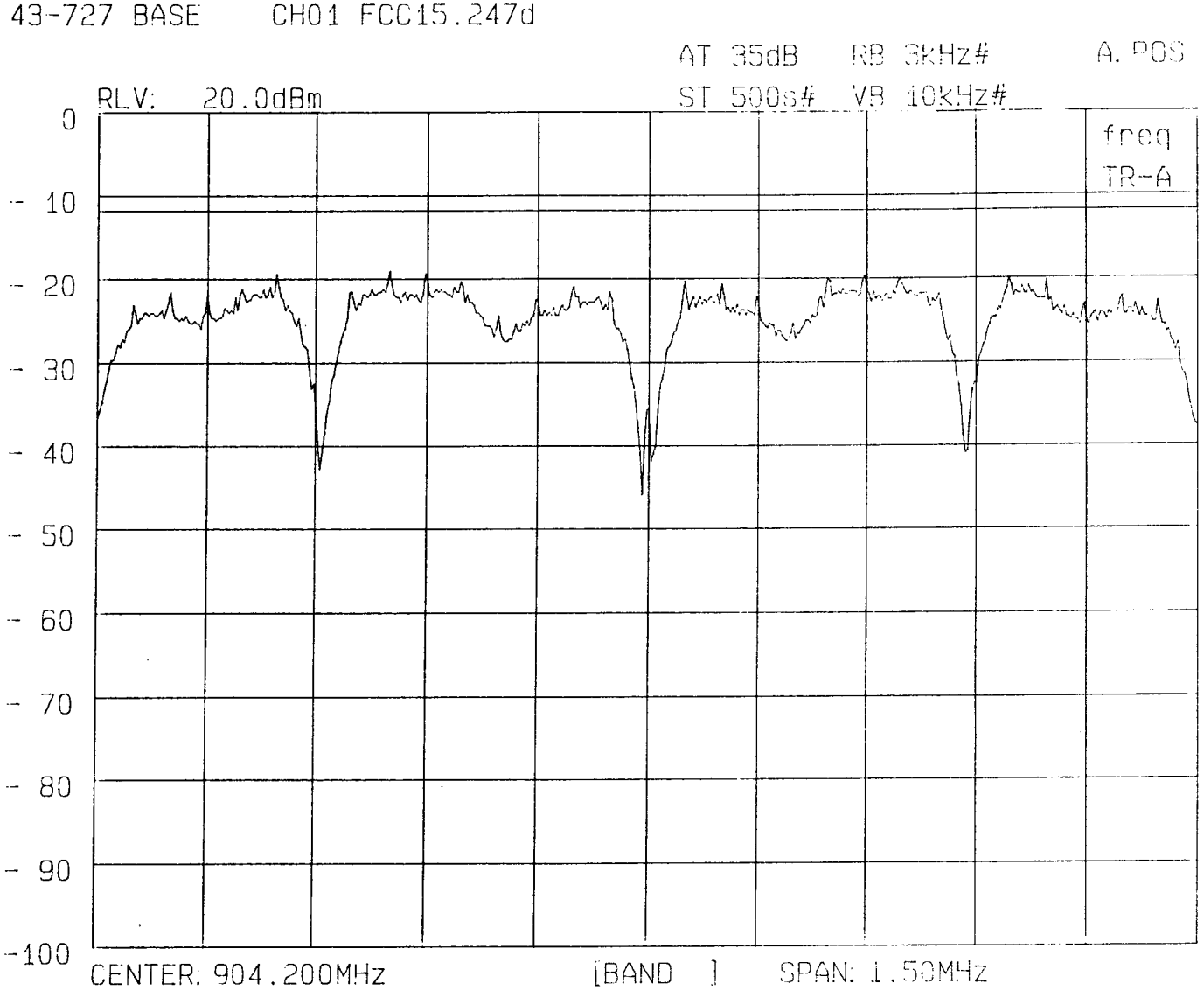
15.247 (d) **POWER DENSITY**

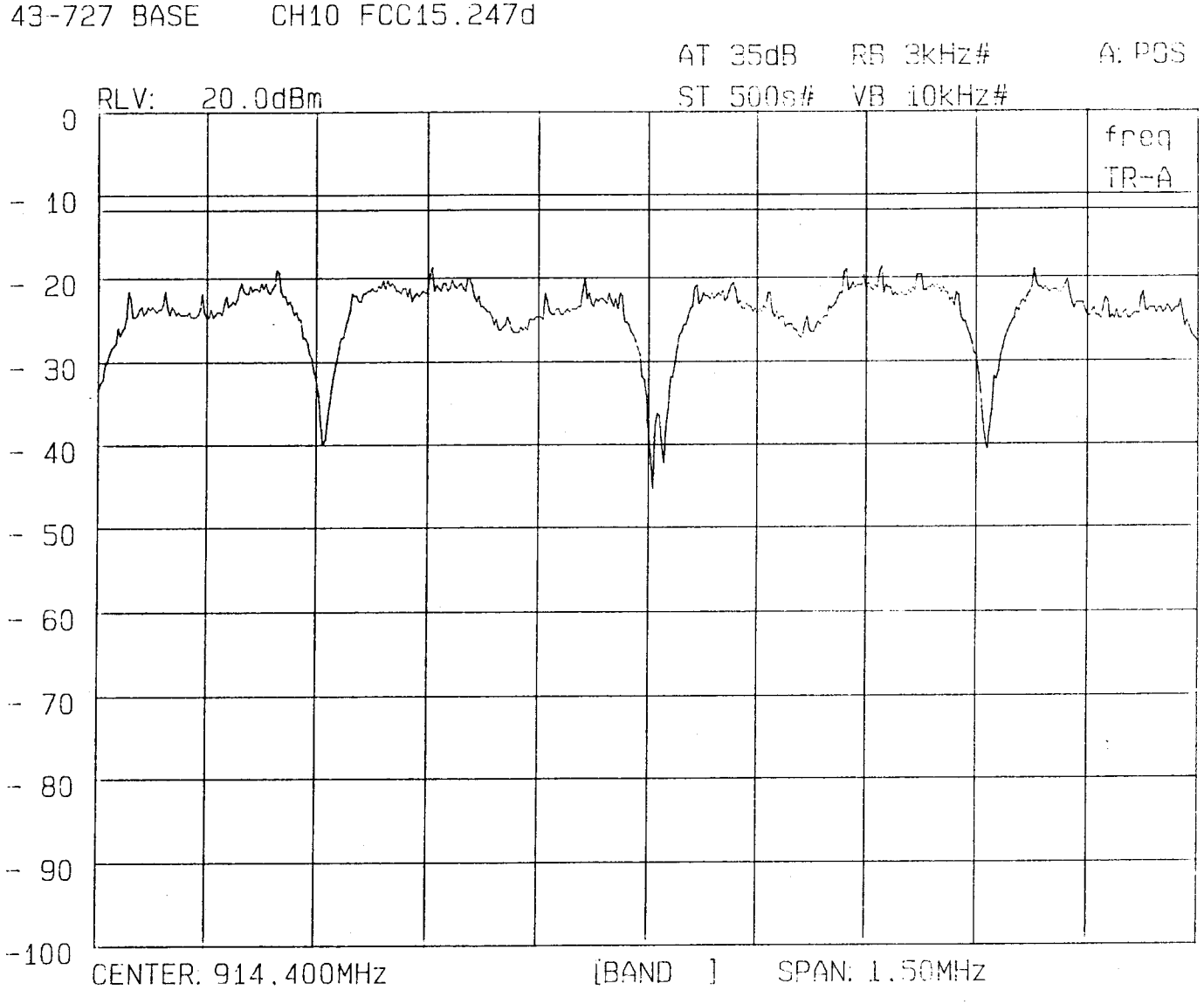
The transmitted power density averaged over any one second interval from the base unit was +3 dBm on Channel 20. The transmitted power density from the handset was +3 dBm on Channel 20.

The limit is +8 dBm.

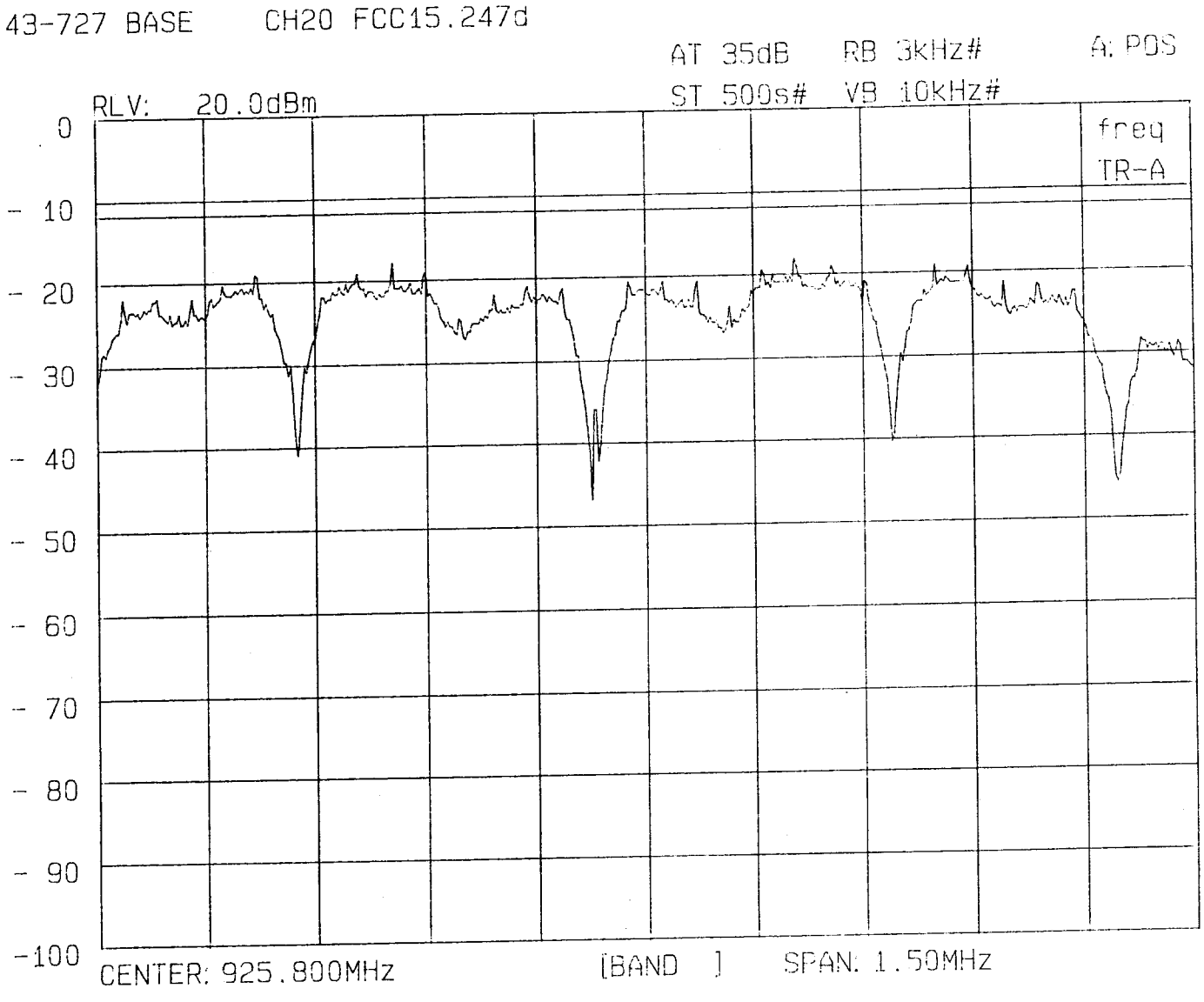
PART 15.247(d) POWER SPECTRAL DENSITY



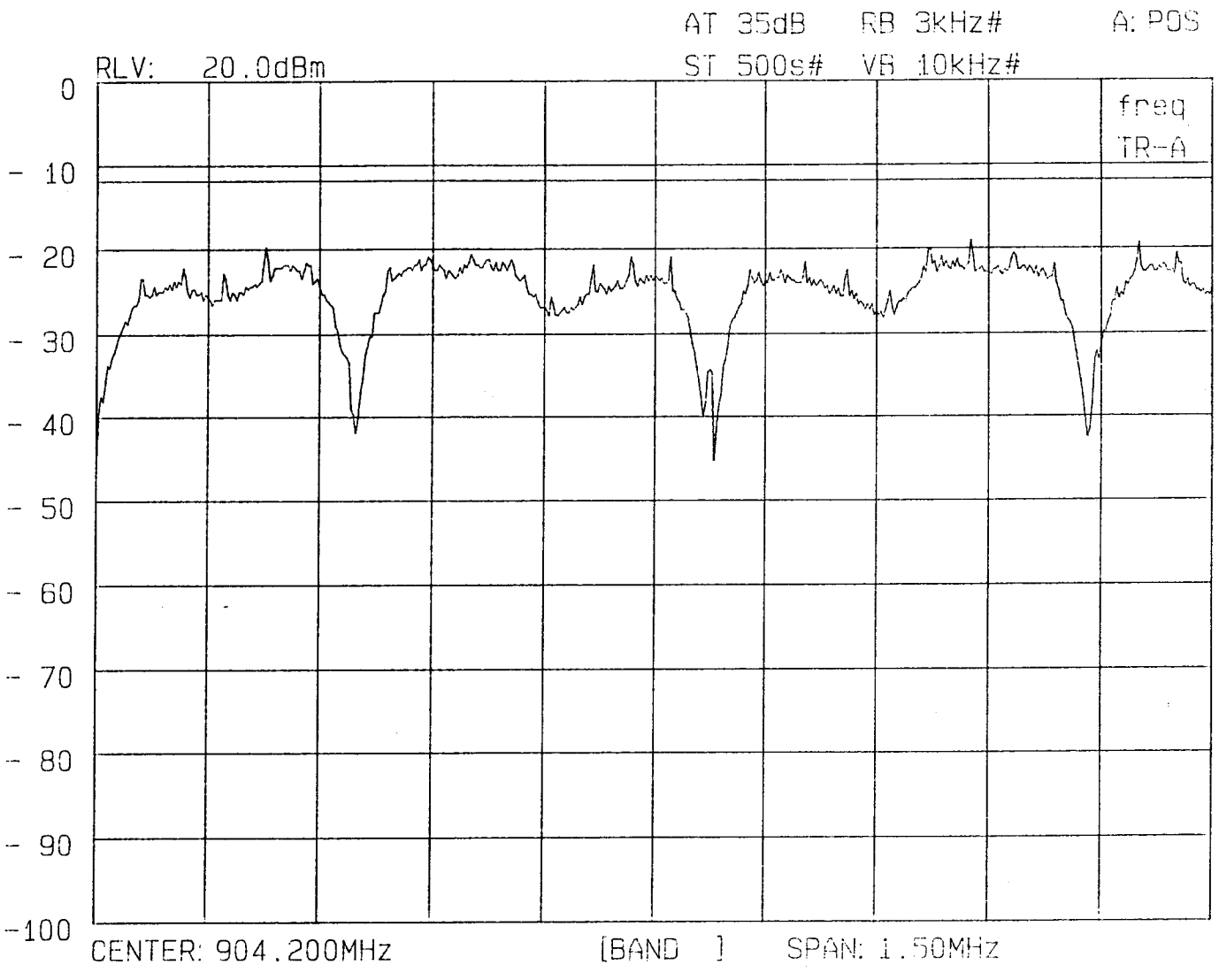
PART 15.247(d) POWER SPECTRAL DENSITY



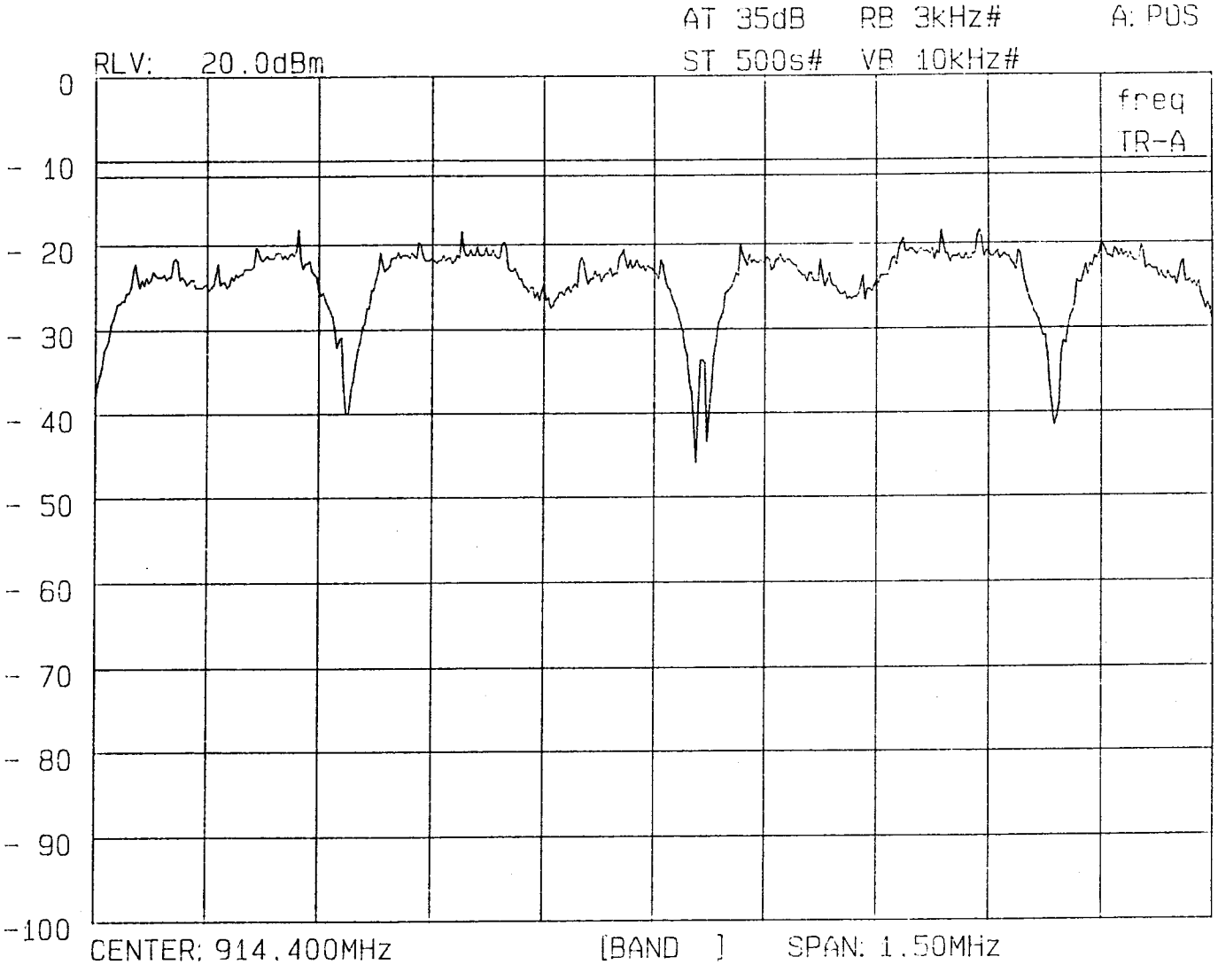
PART 15.247(d) POWER SPECTRAL DENSITY



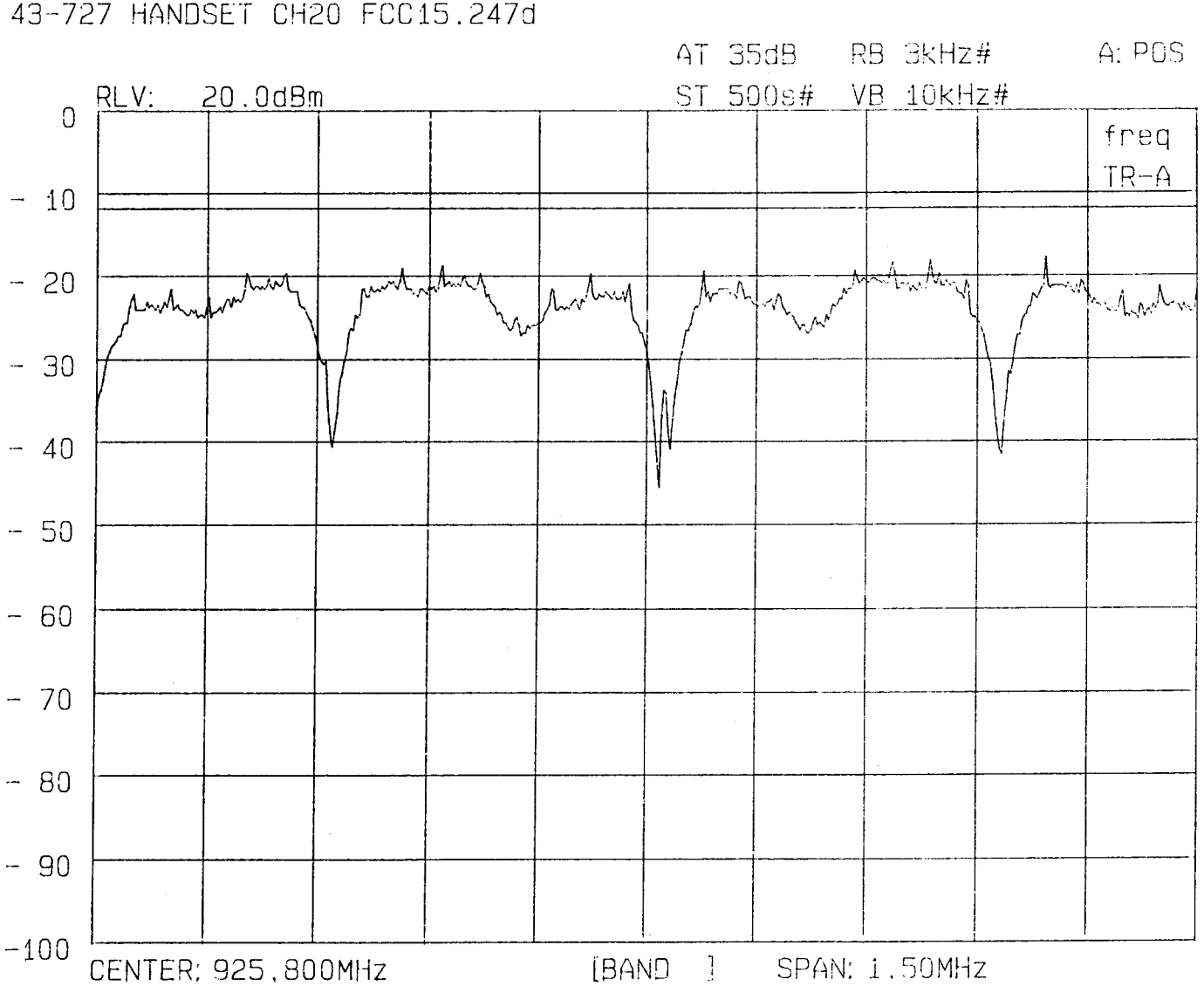
PART 15.247(d) POWER SPECTRAL DENSITY



PART 15.247(d) POWER SPECTRAL DENSITY



PART 15.247(d) POWER SPECTRAL DENSITY

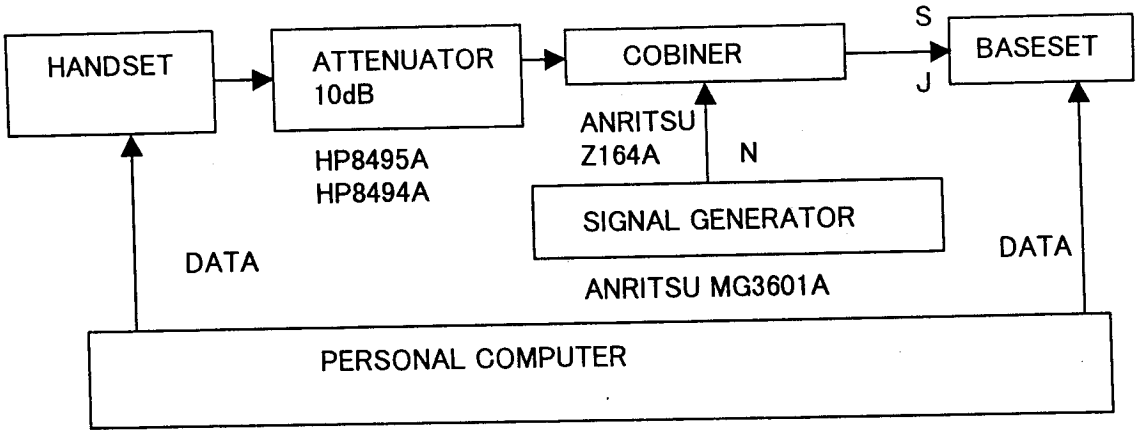


15.247(e) **PROCESSING GAIN**

The minimum processing gain was 21.5 dB at 904.45 MHz.

FCC PART 15.247(e)
PROCESSING GAIN MEASUREMENT DATA

Radioshack 43-727



Gp=(S/N)o+Mj+Lsys
(S/N)o=Signal to Noise Ratio reqd @BER of 1e-3=8.0dB for DBPSK
Mj=Jamming Margin (J/S) in dB Mj=J-S dB
Lsys=System Implementation Losses=2dB
S=Signal Power at BASE STATION
=Signal Power -Attn-Combiner loss(with cable loss)=-26 S=-26dBm
J=Sig Gen output level(N)-POWER COMBINER LOSS(with cable loss)

JAMMER FREQ	S(dBm)	N(dBm)	J(dBm)	Mj(dB)	Pg(dB)
903.60	-20.0	-0.5	-7.5	12.5	22.5
903.65	-20.0	-0.5	-7.5	12.5	22.5
903.70	-20.0	-0.5	-7.5	12.5	22.5
903.75	-20.0	2.0	-5.0	15.0	25.0
903.80	-20.0	-0.5	-7.5	12.5	22.5
903.85	-20.0	-1.0	-8.0	12.0	22.0
903.90	-20.0	-1.0	-8.0	12.0	22.0
903.95	-20.0	-1.0	-8.0	12.0	22.0
904.00	-20.0	-0.5	-7.5	12.5	22.5
904.05	-20.0	-1.5	-8.5	11.5	21.5
904.10	-20.0	-2.0	-9.0	11.0	21.0
904.15	-20.0	-2.5	-9.5	10.5	20.5
904.20	-20.0	-2.0	-9.0	11.0	21.0
904.25	-20.0	-2.0	-9.0	11.0	21.0
904.30	-20.0	-1.5	-8.5	11.5	21.5
904.35	-20.0	-0.5	-7.5	12.5	22.5
904.40	-20.0	0.5	-6.5	13.5	23.5
904.45	-20.0	-1.5	-8.5	11.5	21.5
904.50	-20.0	-1.0	-8.0	12.0	22.0
904.55	-20.0	-1.0	-8.0	12.0	22.0
904.60	-20.0	0.0	-7.0	13.0	23.0
904.65	-20.0	2.5	-4.5	15.5	25.5
904.70	-20.0	-1.0	-8.0	12.0	22.0
904.75	-20.0	-0.5	-7.5	12.5	22.5
904.80	-20.0	-1.0	-8.0	12.0	22.0