2.1049 (h) Occupied Bandwidth

Pages 2 through 13 are the Occupied Bandwidth plots for the Part 22 .917 (c) (Subpart H Cellular Radiotelephone Service). All plots are modulated with 48.6 kbs Pseudorandom Data.

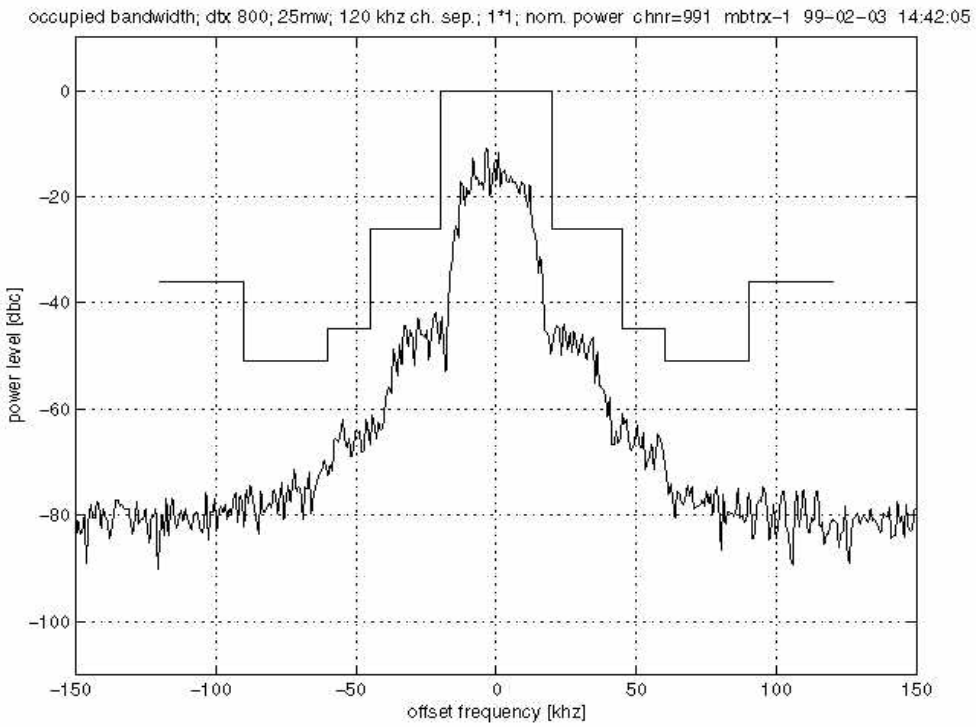
Page number	Transmitter	Channel	Power Level
Page 2	TX 1	Ch. 991	High power.
Page 3	TX 1	Ch. 383	High power.
Page 4	TX 1	Ch. 799	High power.
Page 5	TX 1	Ch. 991	Low power.
Page 6	TX 1	Ch. 383	Low power.
Page 7	TX 1	Ch. 799	Low power.
Page 8	TRX 3	Ch. 991	High power.
Page 9	TRX 3	Ch. 383	High power.
Page 10	TRX 3	Ch. 799	High power.
Page 11	TRX 3	Ch. 991	Low power.
Page 12	TRX 3	Ch. 383	Low power.
Page 13	TRX 3	Ch. 799	Low power.

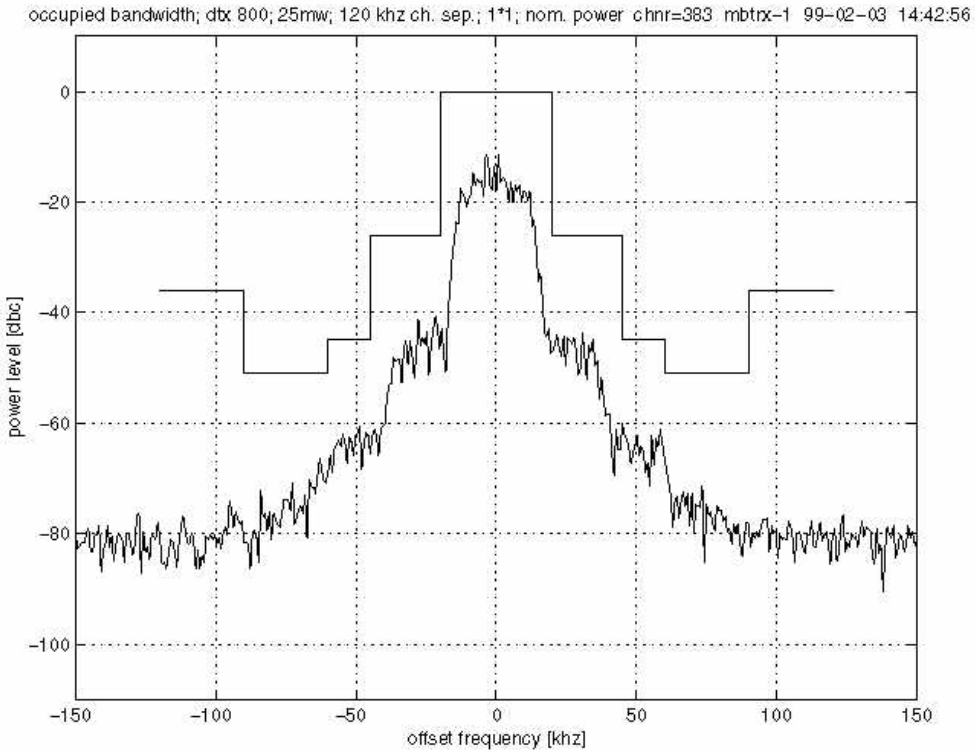
Pages 14 through 33 are Occupied Bandwidth plots for Part 24.238 Emission Limits (Subpart E Broadband PCS). All plots are modulated with 48.6 kbs Pseudorandom Data.

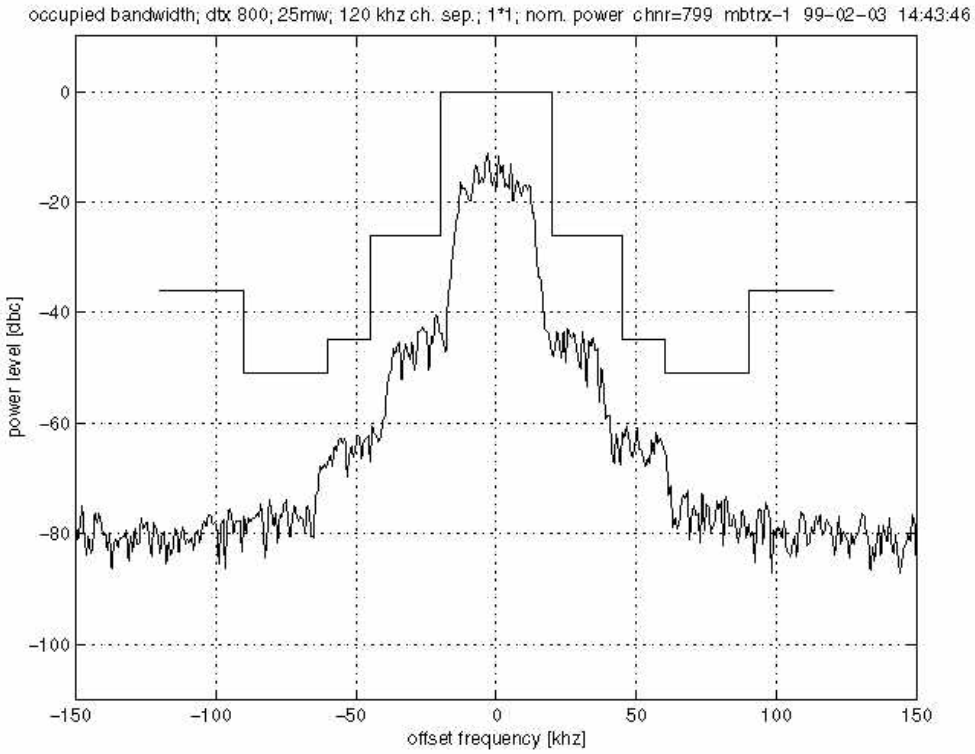
Page number	Transmitter	Channel	Power Level	Type of plot
Page 14	TX 1	Ch. 2	High power	Reference.
Page 15	TX 1	Ch. 2	High power	Emission BW.
Page 16	TX 1	Ch. 2	High power	Block Edge.
Page 17	TX 1	Ch. 2	Low power	Reference.
Page 18	TX 1	Ch. 2	Low power	Block Edge.
Page 19	TX 1	Ch. 1998	High power	Reference.
Page 20	TX 1	Ch. 1998	High power	Emission BW.
Page 21	TX 1	Ch. 1998	High power	Block Edge.
Page 22	TX 1	Ch. 1998	Low power	Reference.
Page 23	TX 1	Ch. 1998	Low power	Block Edge.
Page 24	TRX 3	Ch. 2	High power	Reference.
Page 25	TRX 3	Ch. 2	High power	Emission BW.
Page 26	TRX 3	Ch. 2	High power	Block Edge.
Page 27	TRX 3	Ch. 2	Low power	Reference.
Page 28	TRX 3	Ch. 2	Low power	Block Edge.
Page 29	TRX 3	Ch. 1998	High power	Reference.
Page 30	TRX 3	Ch. 1998	High power	Emission BW.
Page 31	TRX 3	Ch. 1998	High power	Block Edge.
Page 32	TRX 3	Ch. 1998	Low power	Reference.
Page 33	TRX 3	Ch. 1998	Low power	Block Edge.

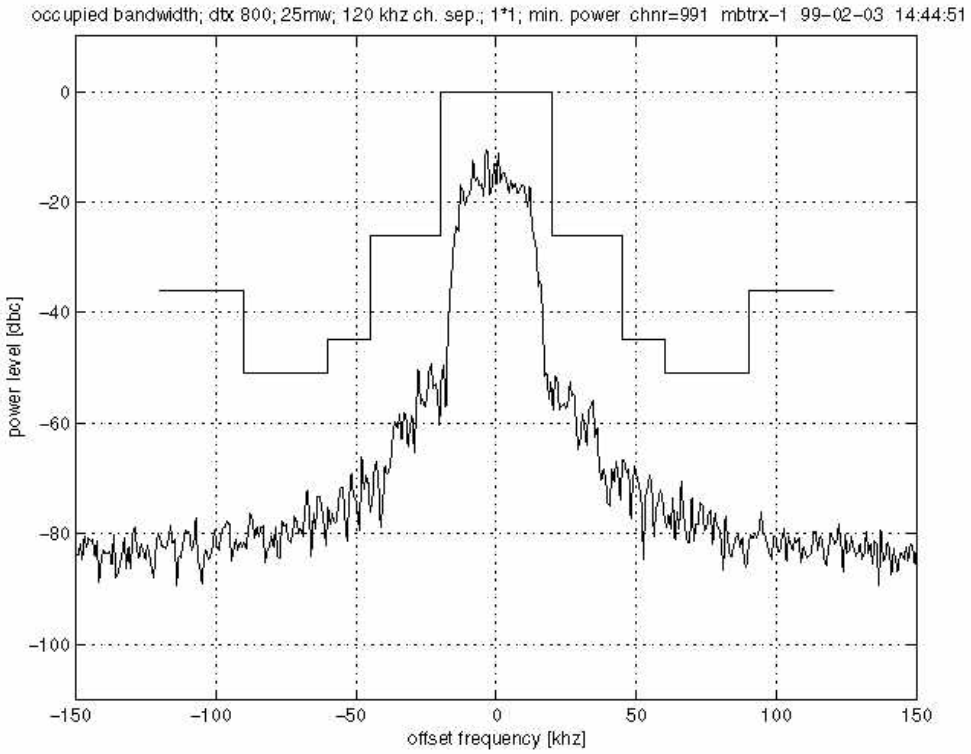
Equipment Used:

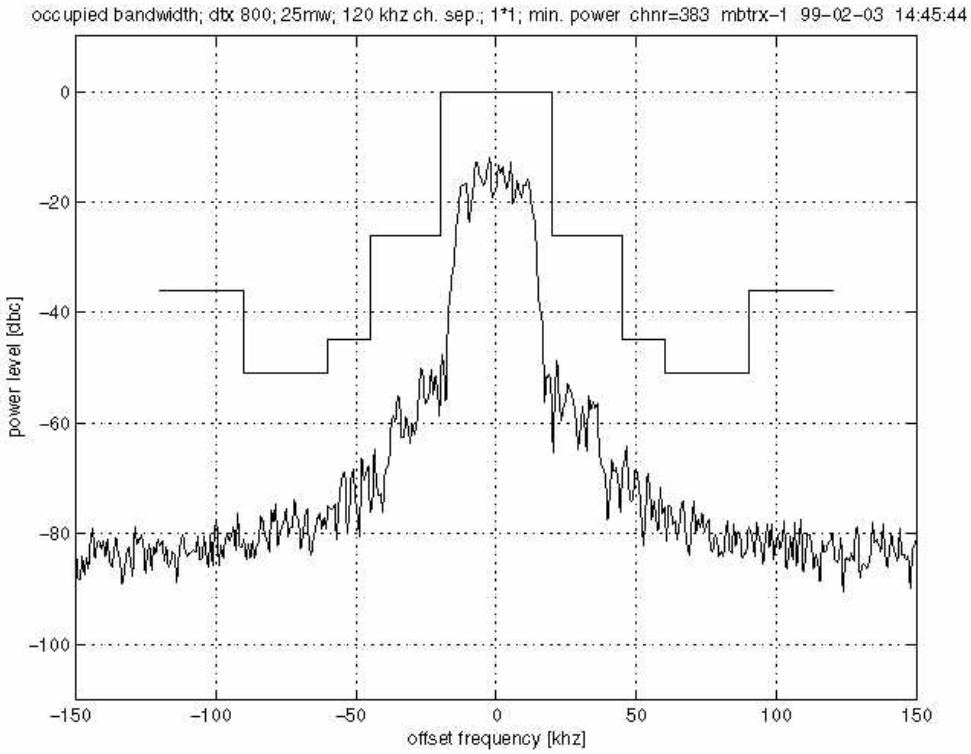
Part 22 plots	HP 89441A	Hewlett Packard RF Vector Signal Analyzer
Part 24 plots	HP 8563E	Hewlett Packard Spectrum Analyzer

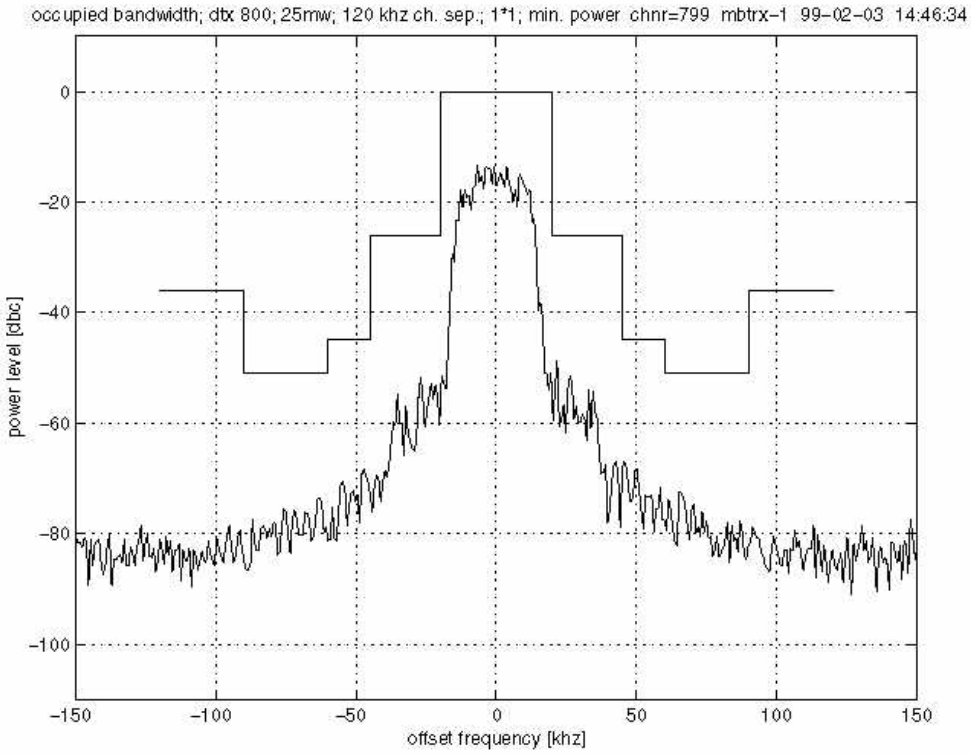

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; nom. power chnr=991 mbtrx-1 99-02-03 14:42:05
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

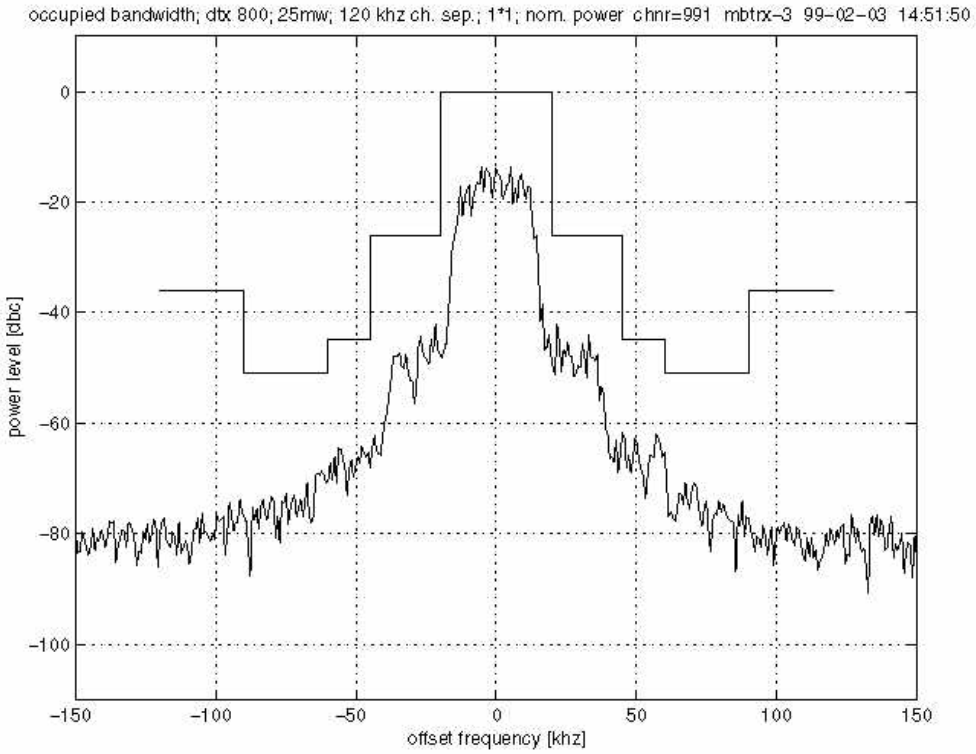

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; nom. power chnr=383 mbtrx=1 99-02-03 14:42:56
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

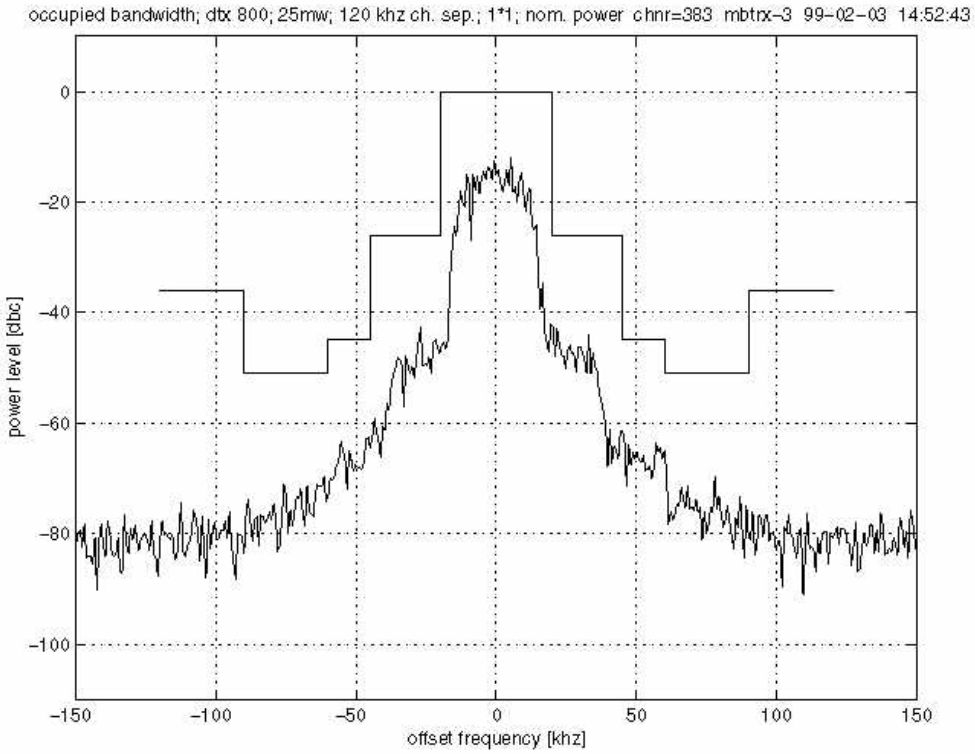

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; nom. power chnr=799 mbtrx=1 99-02-03 14:43:46
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

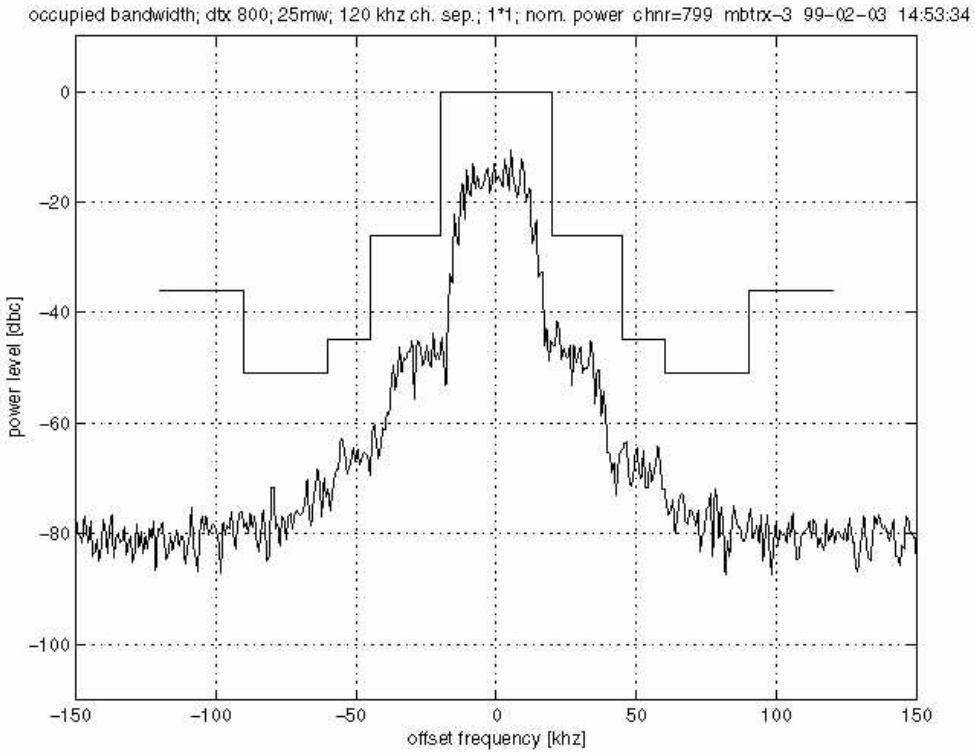

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; min. power chnr=991 mbtrx-1 99-02-03 14:44:51
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

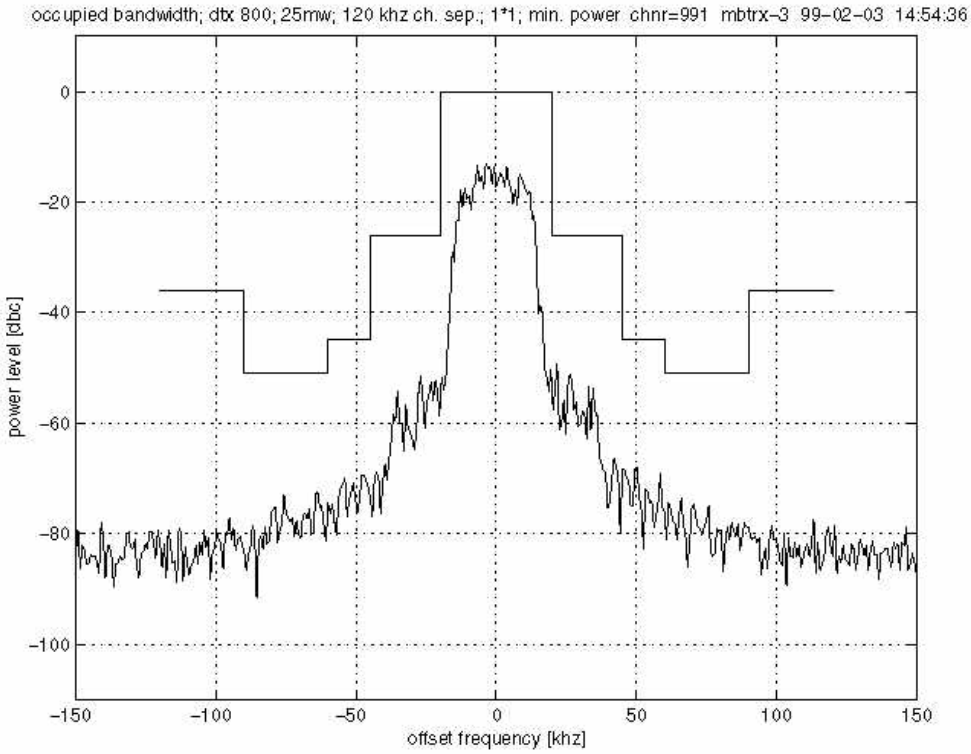

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; min. power chnr=383 mbtrx=1 99-02-03 14:45:44
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

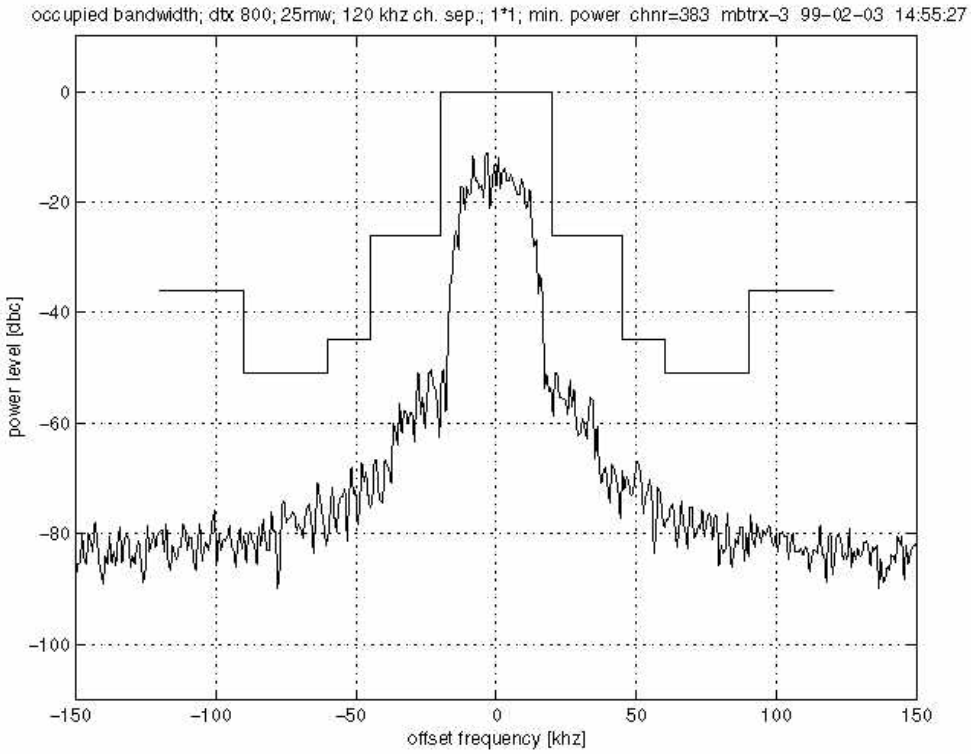

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; min. power chnr=799 mbtrx-1 99-02-03 14:46:34
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

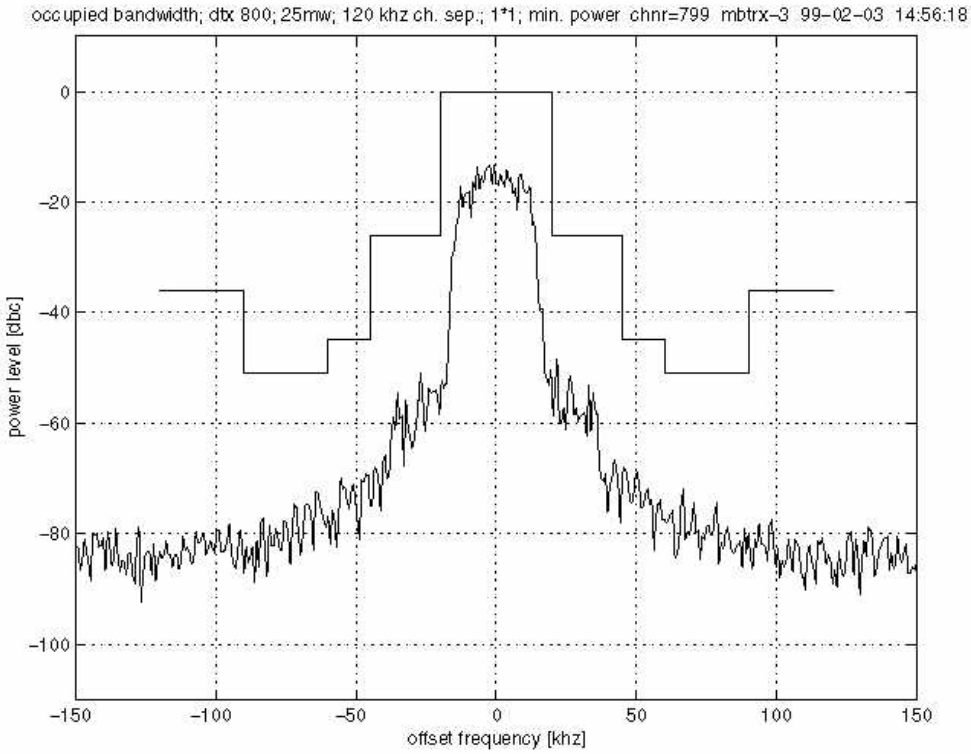

occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; nom. power chnr=991 mbtrx-3 99-02-03 14:51:50
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]


occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; nom. power chnr=383 mbtrx-3 99-02-03 14:52:43
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]


occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; nom. power chnr=799 mbtrx-3 99-02-03 14:53:34
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]


occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; min. power chnr=991 mbtrx-3 99-02-03 14:54:36
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]


occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; min. power chnr=383 mbtrx=3 99-02-03 14:55:27
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]


occupied bandwidth; dtx 800; 25mw; 120 khz ch. sep.; 1*1; min. power chnr=799 mbtrx=3 99-02-03 14:56:18
power level [dbc]
0
-20
-40
-60
-80
-100
-150
-100
-50
0
50
100
150
offset frequency [khz]

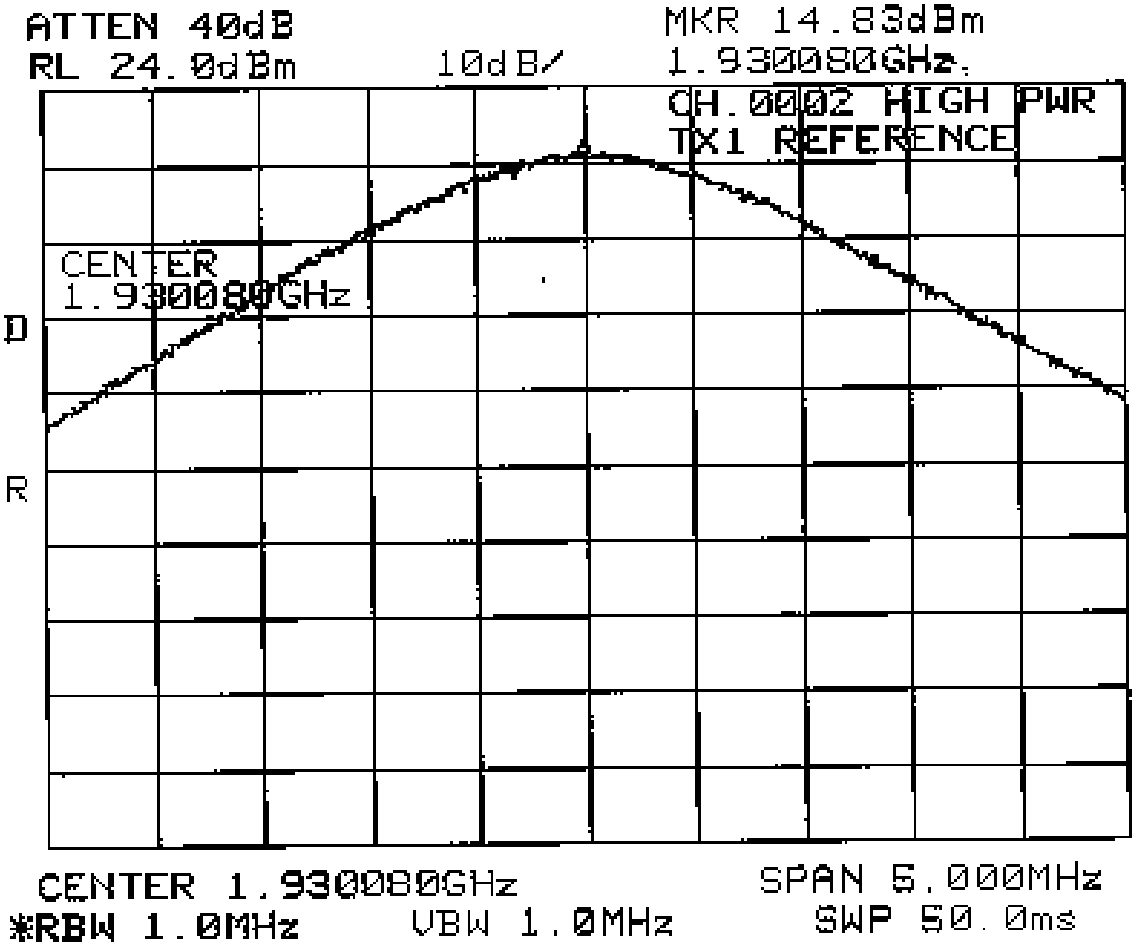
1900 MHz Frequency Band for PCS

The measurement methods according to CFR title 47 Part 24.238 were used to obtain the following results:

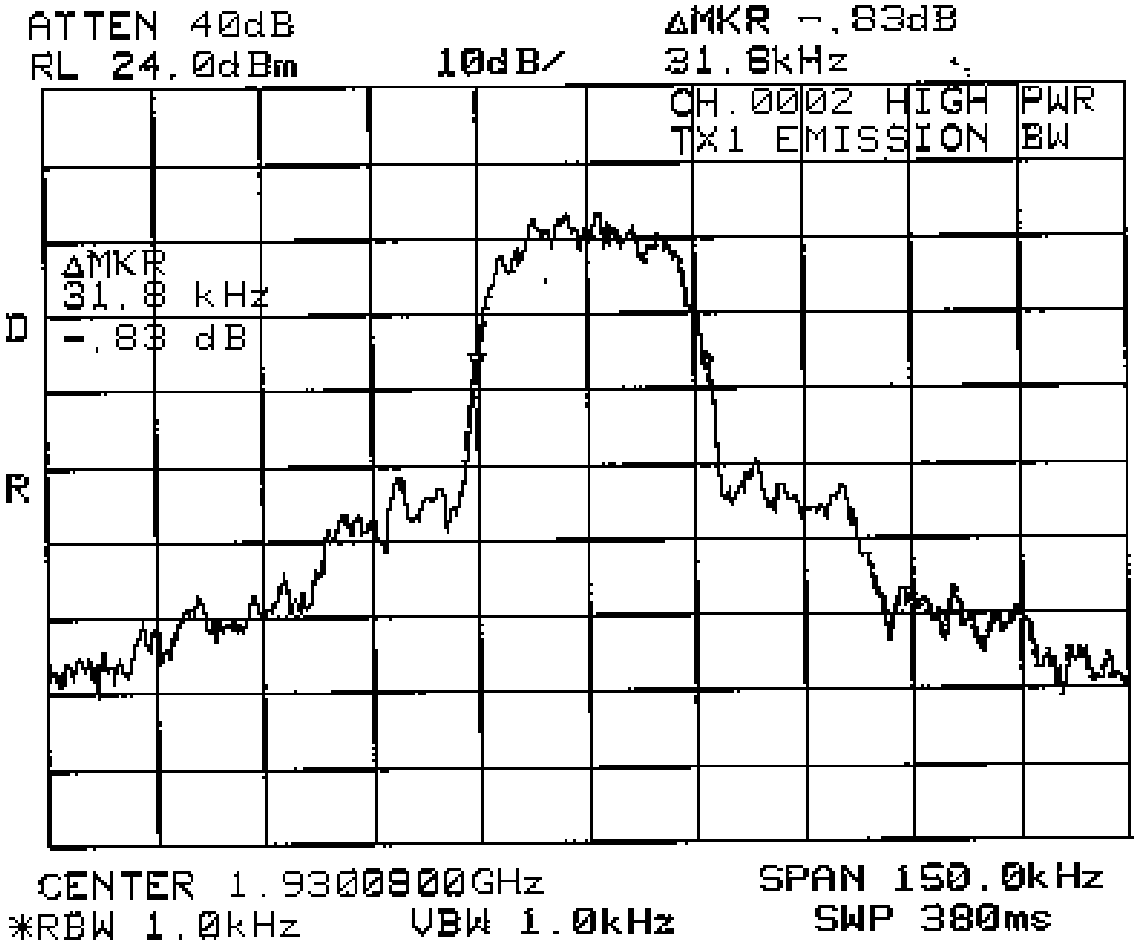
24.238 (b) Transmitter 1

High Power (Attenuation = 0) Ch. 2 (1.93008 GHz)

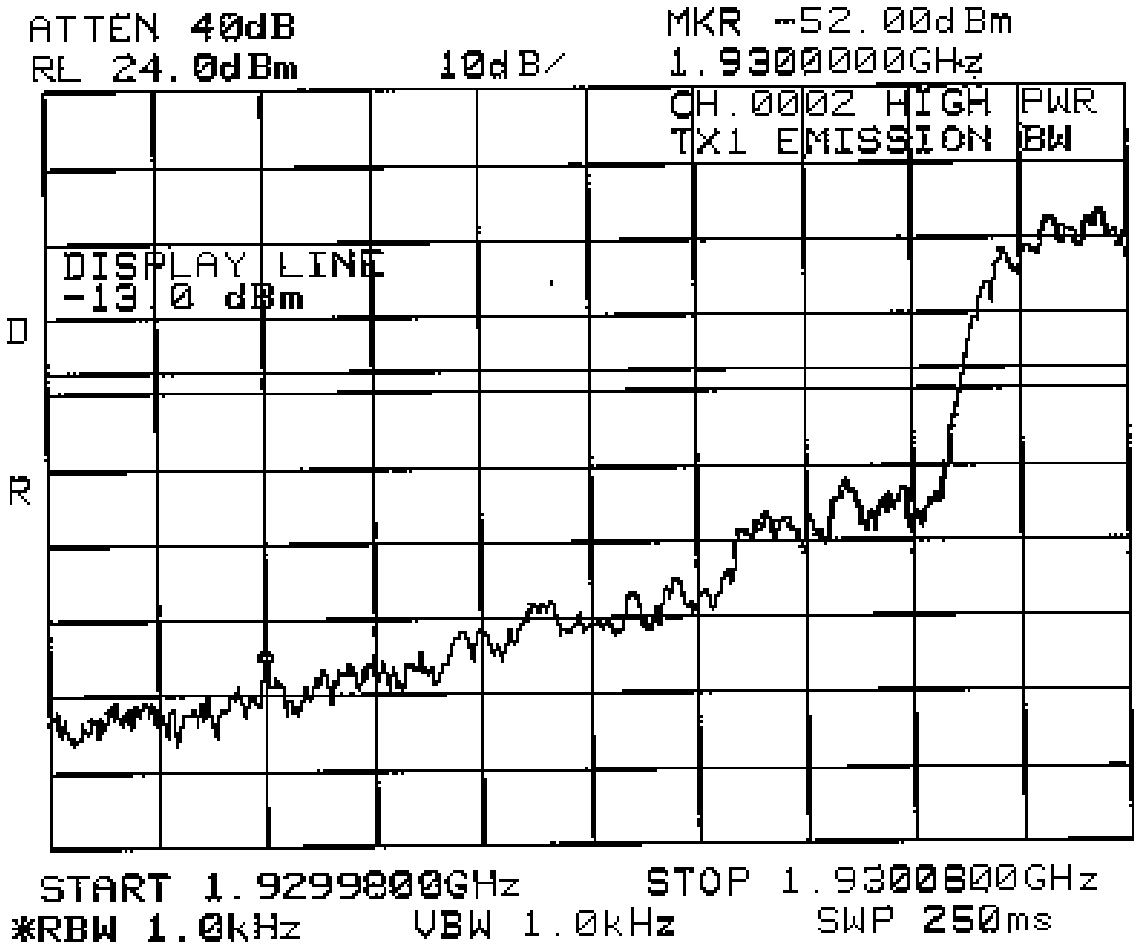
24.238 (b) Reference plot:



24.238 (b) Emission Bandwidth (26 dBc method): 48.6 kbs Pseudorandom Data.

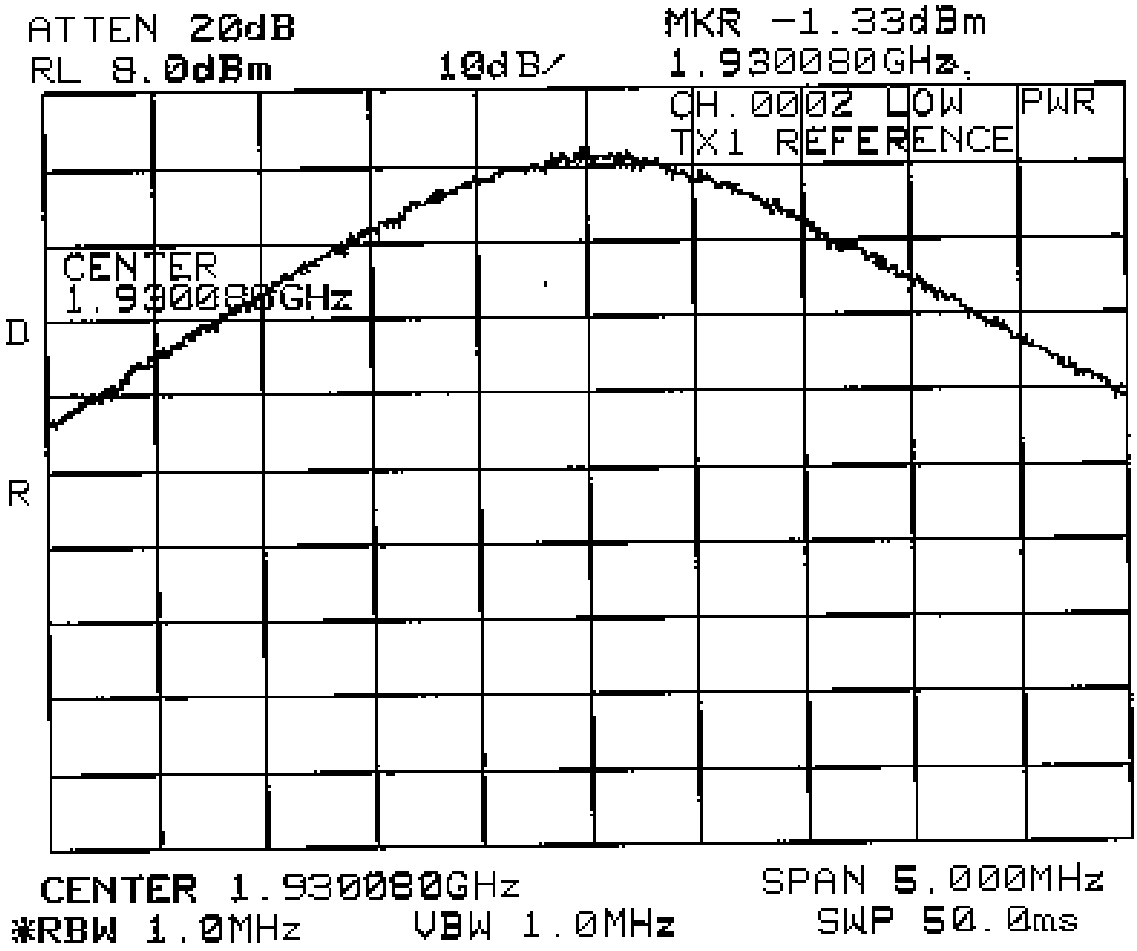


24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.

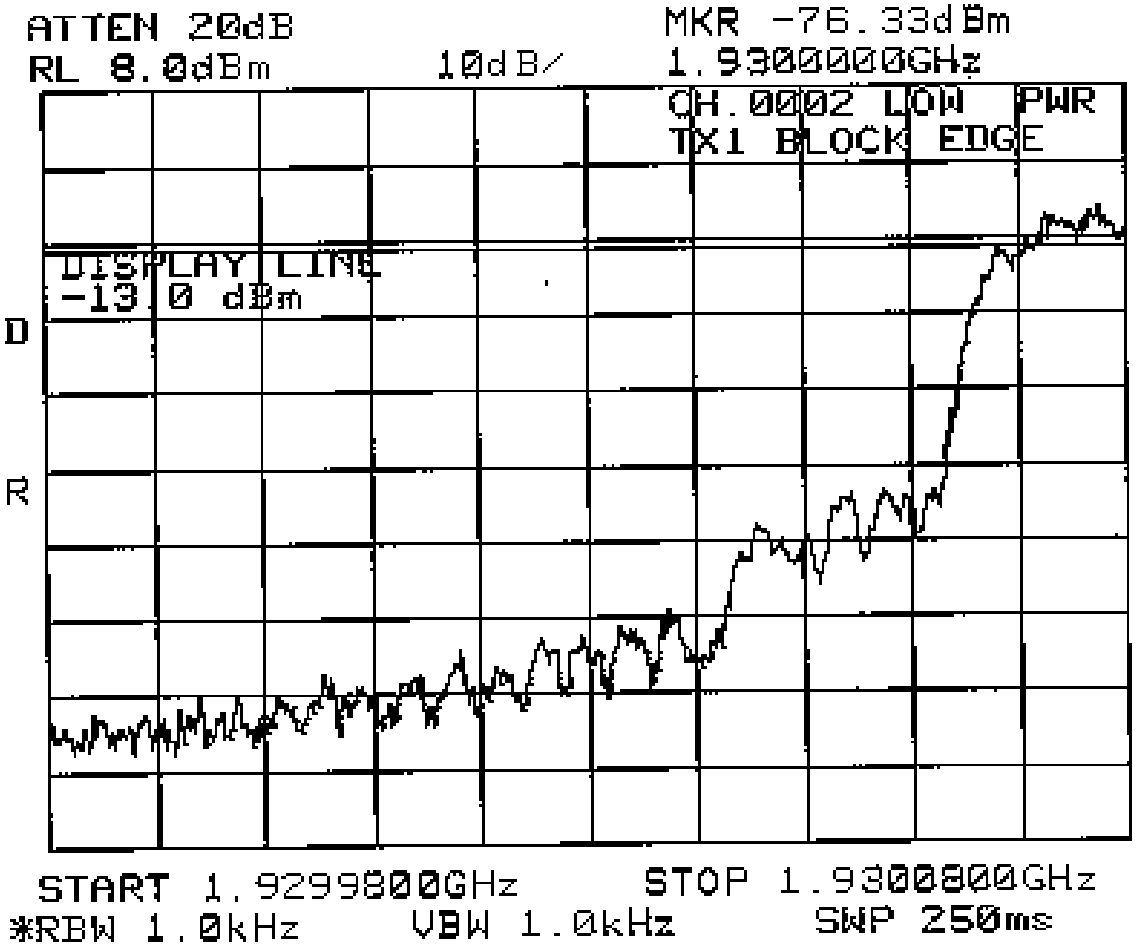


Low Power (Attenuation = 20) Ch. 2 (1.93008 GHz)

24.238 (b) Reference plot:

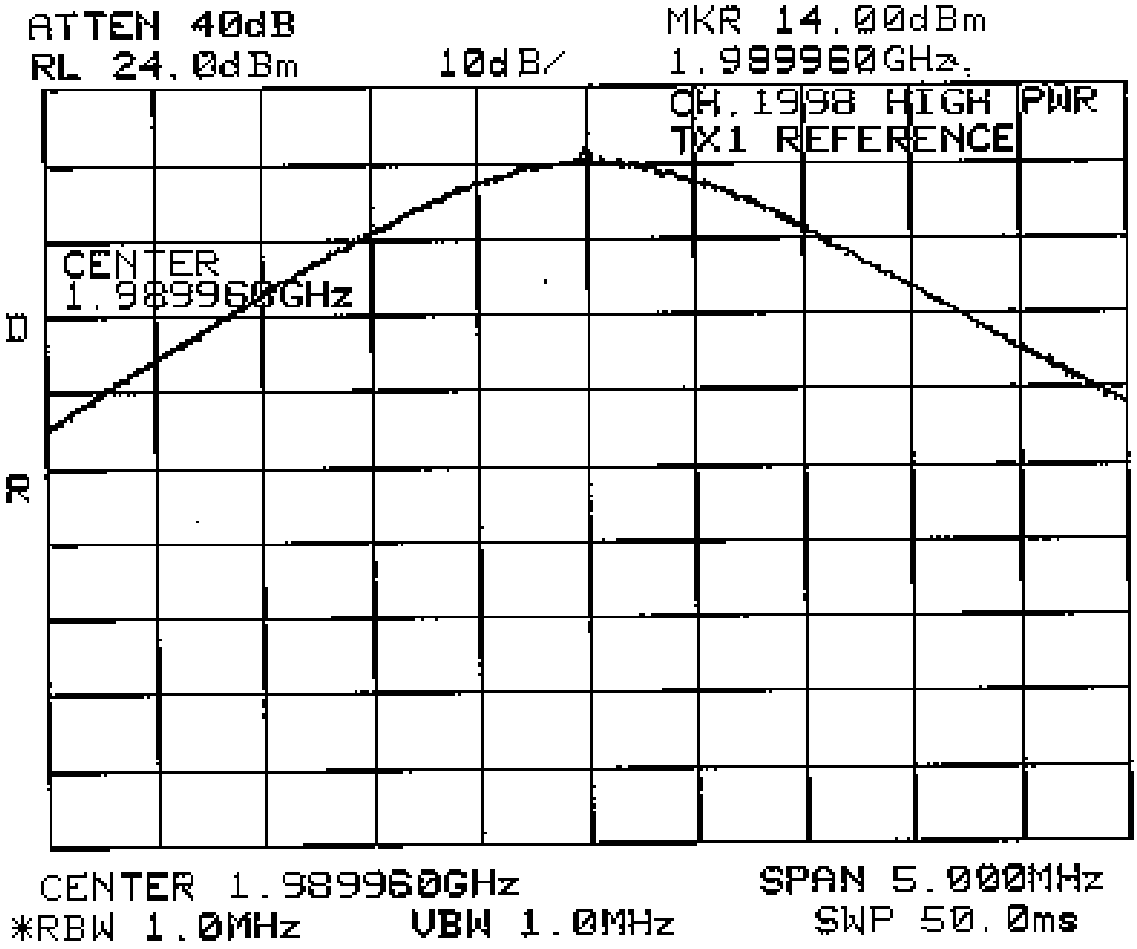


24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.

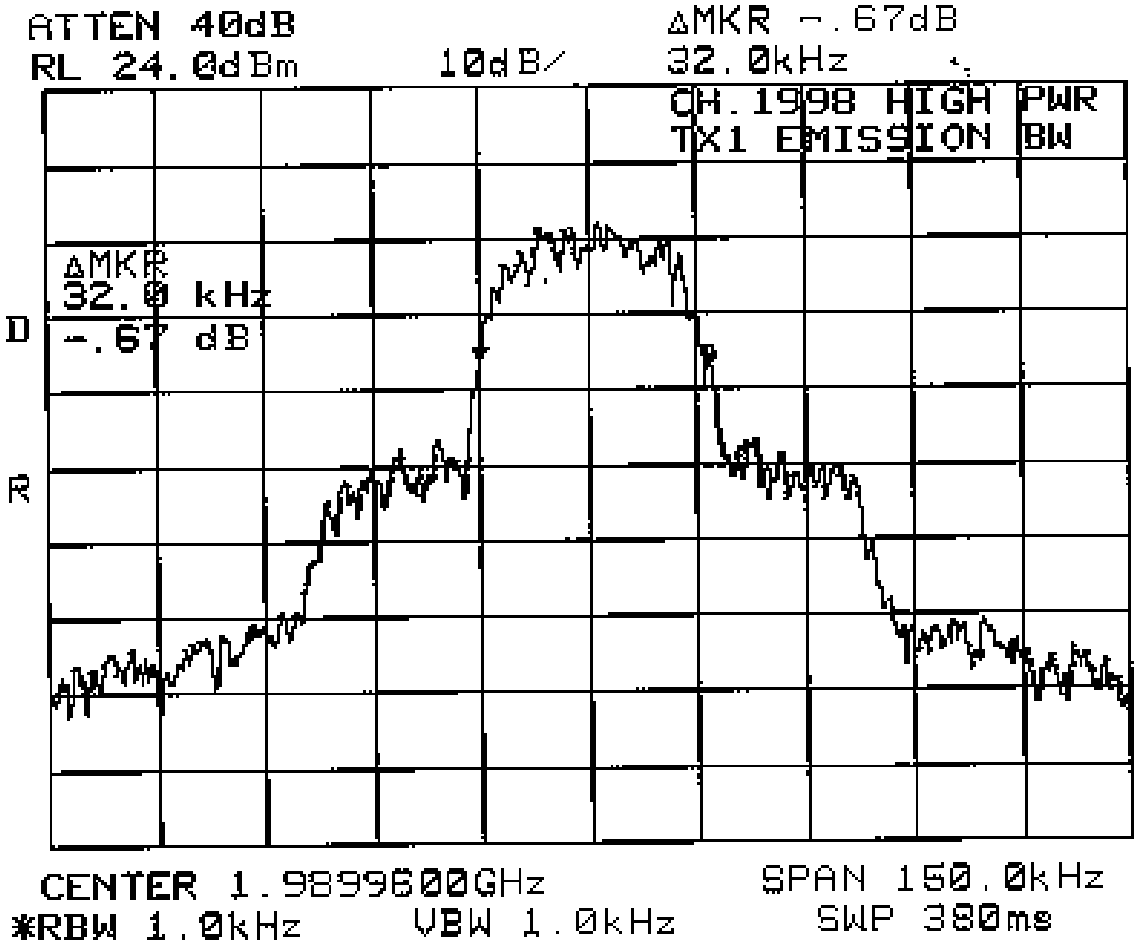


Transmitter 1 continued;

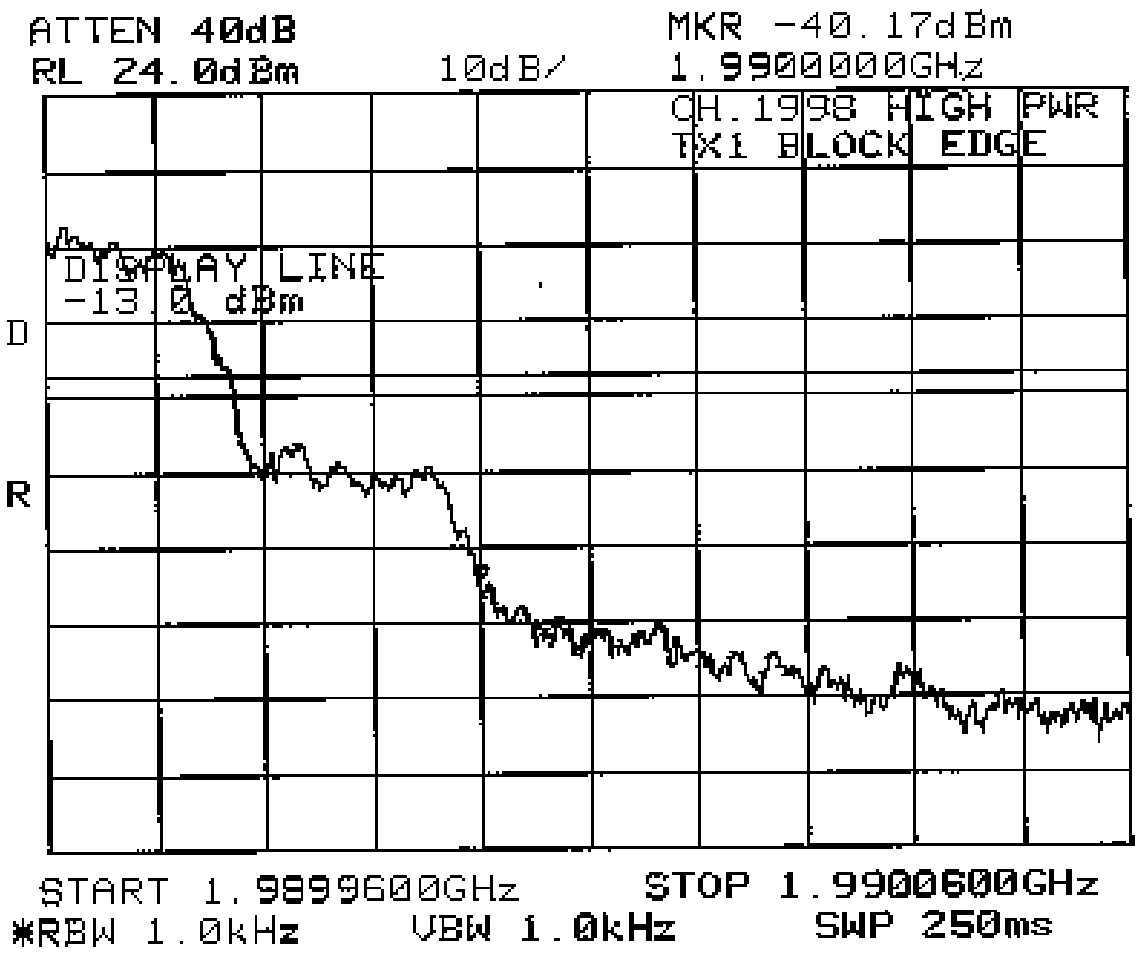
High Power (Attenuation = 0) Ch. 1998 (1.98996 GHz)
24.238 (b) Reference plot:



24.238 (b) Emission Bandwidth (26 dBc method): 48.6 kbs Pseudorandom Data.

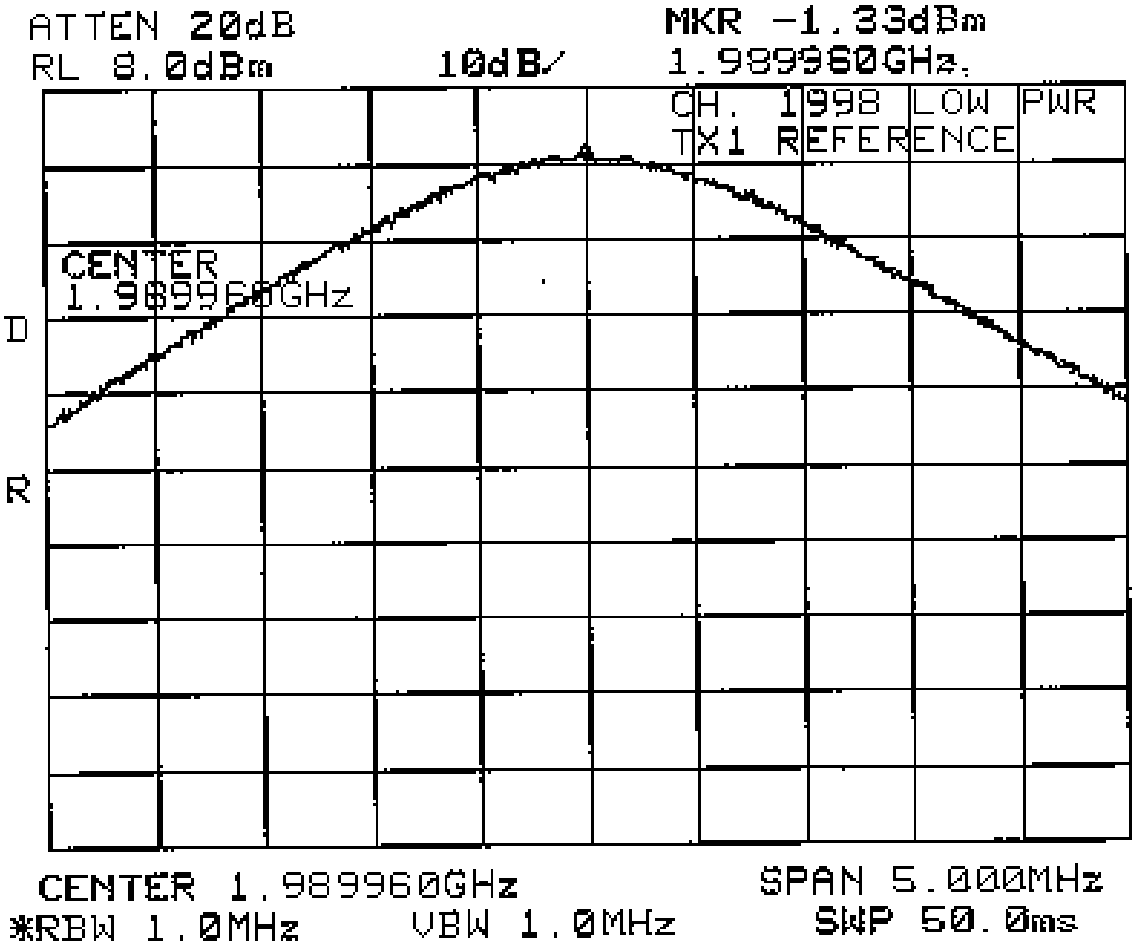


24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.

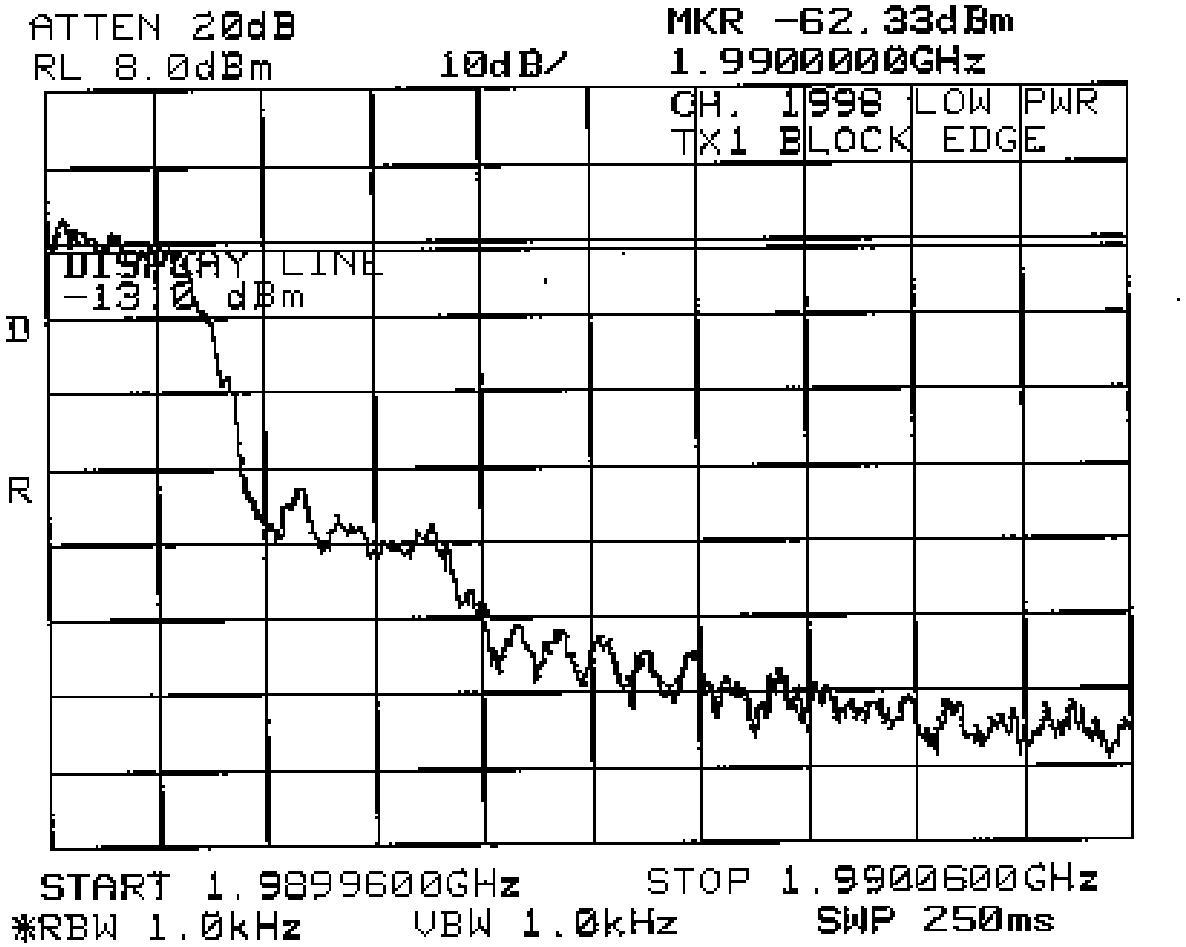


Low Power (Attenuation = 20) Ch. 1998 (1.98996 GHz)

24.238 (b) Reference un-modulated carrier:



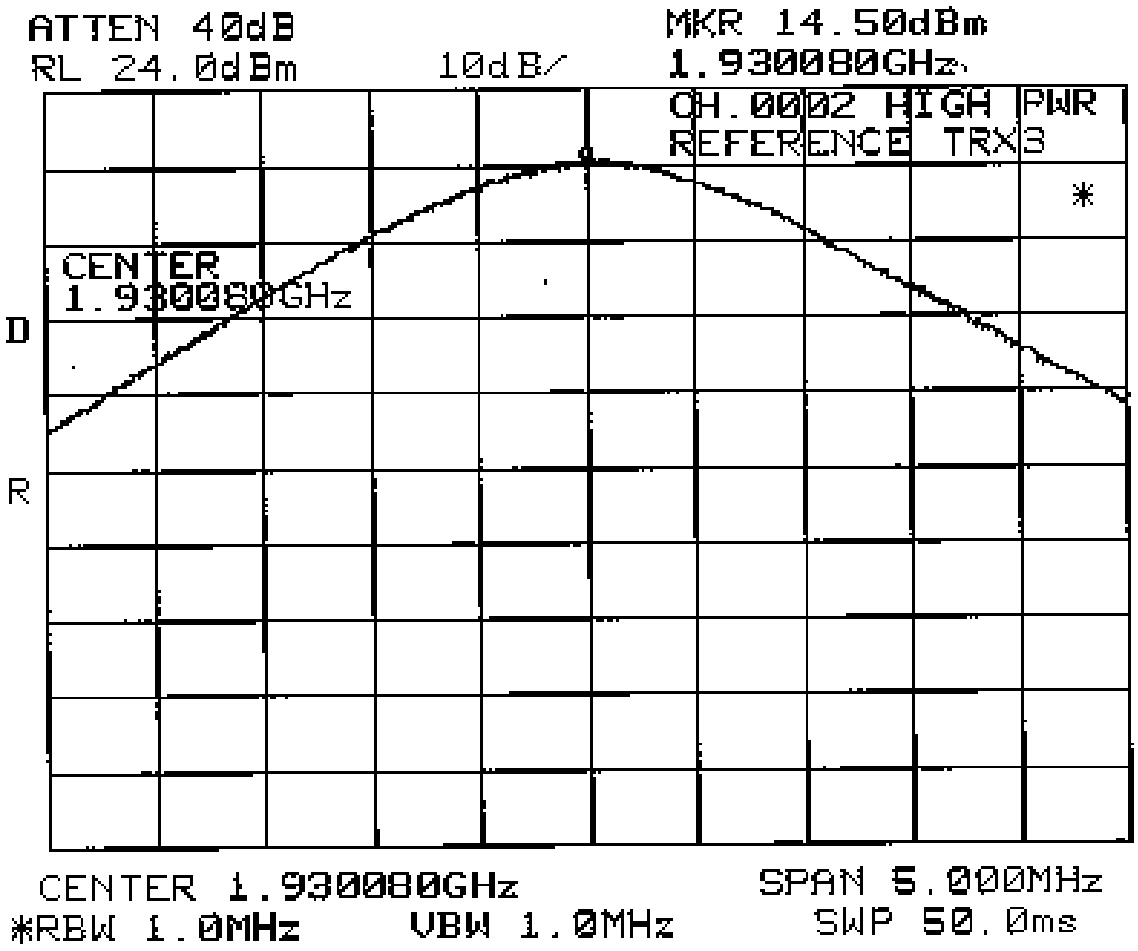
24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.



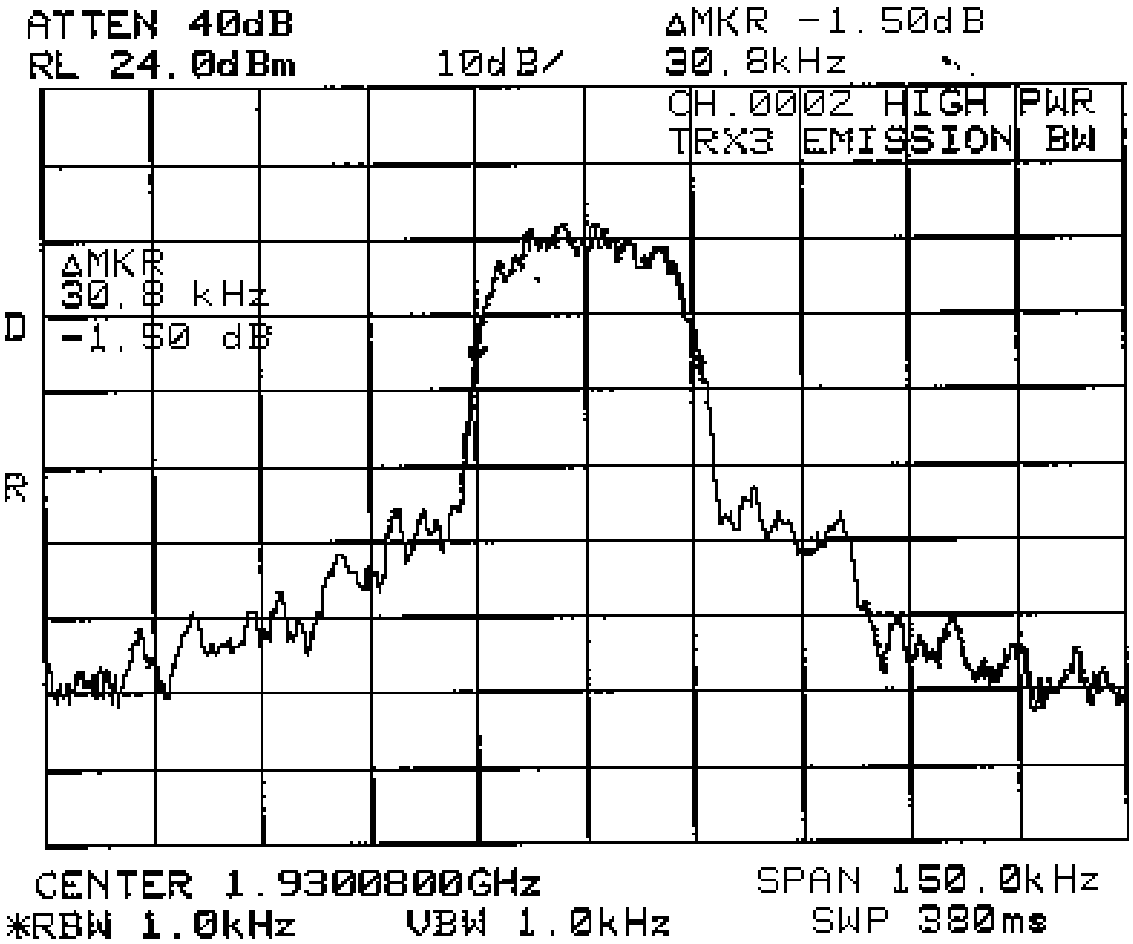
Transceiver 3

High Power (Attenuation = 0) Ch. 2 (1.93008 GHz)

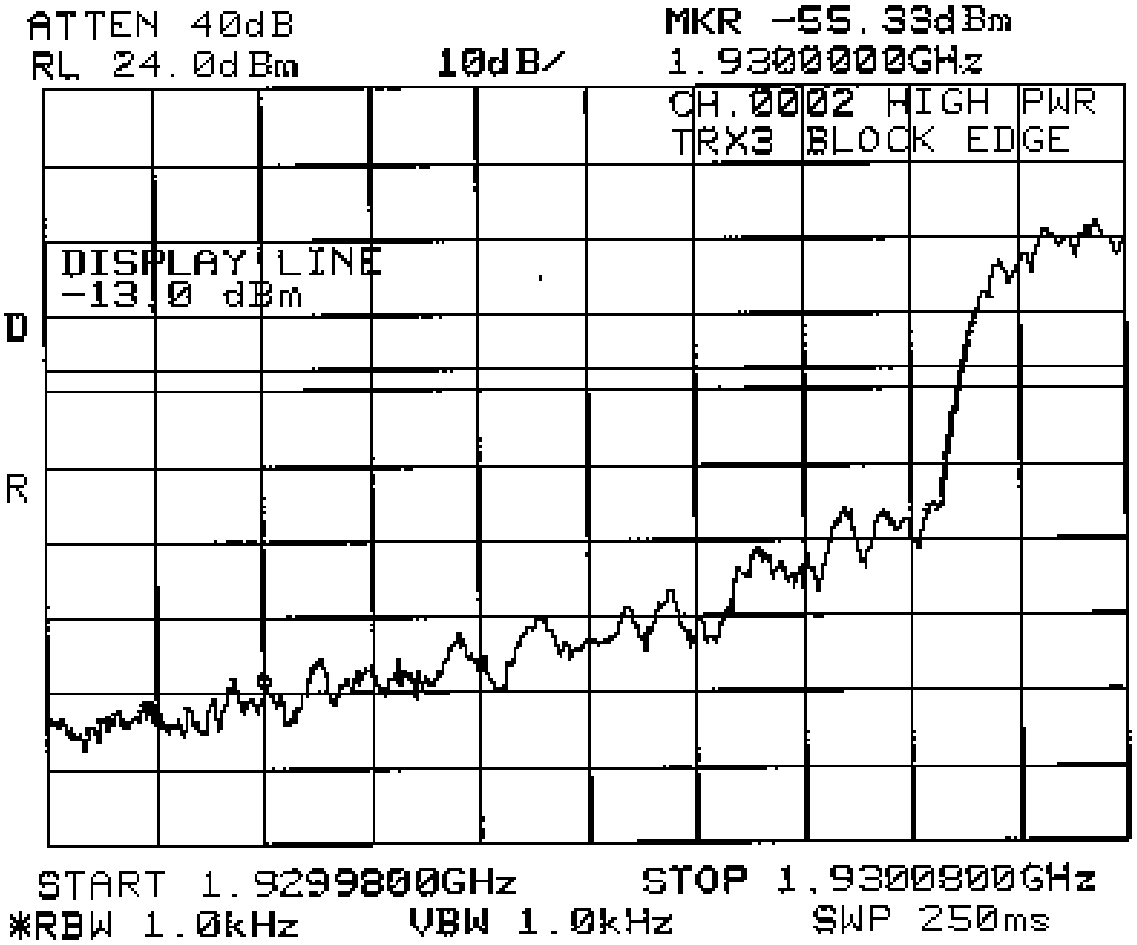
24.238 (b) Reference plot:



24.238 (b) Emission Bandwidth (26 dBc method): 48.6 kbs Pseudorandom Data.

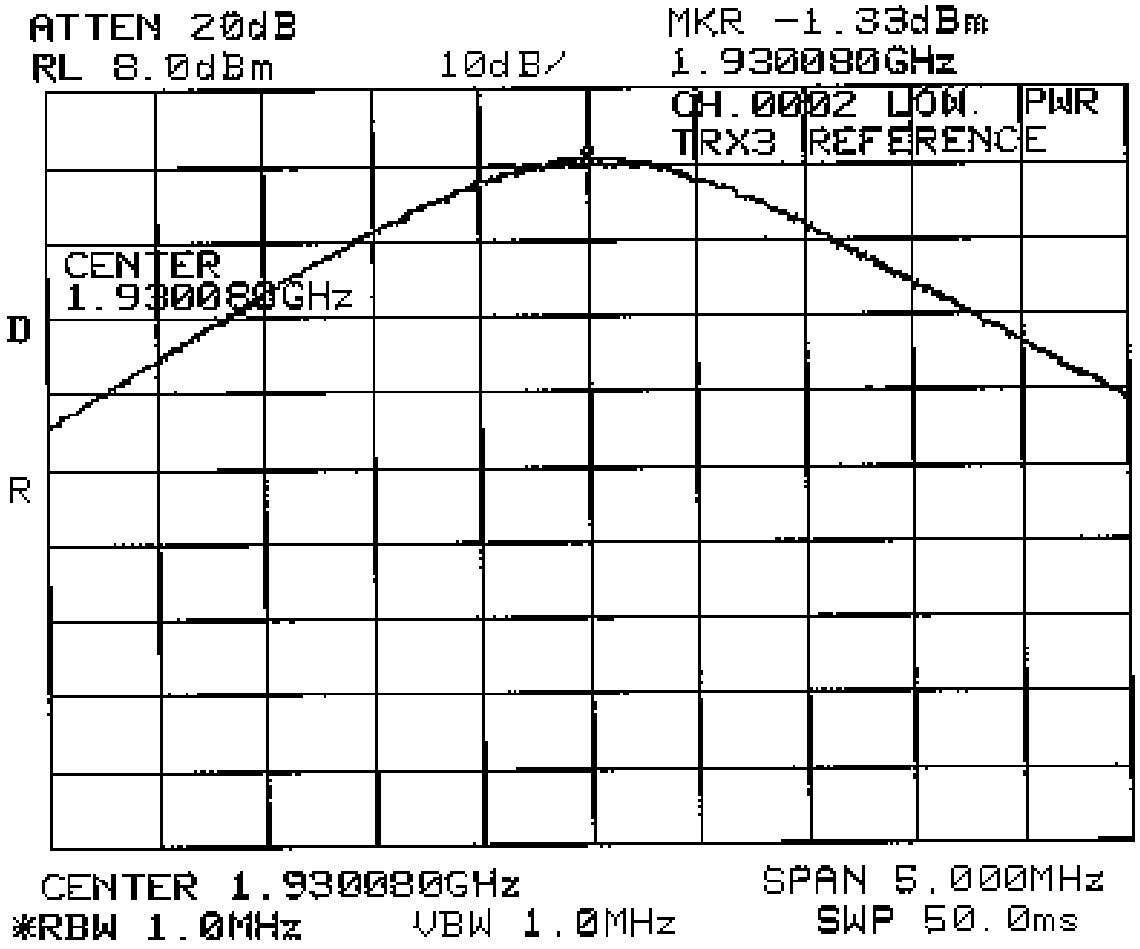


24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.

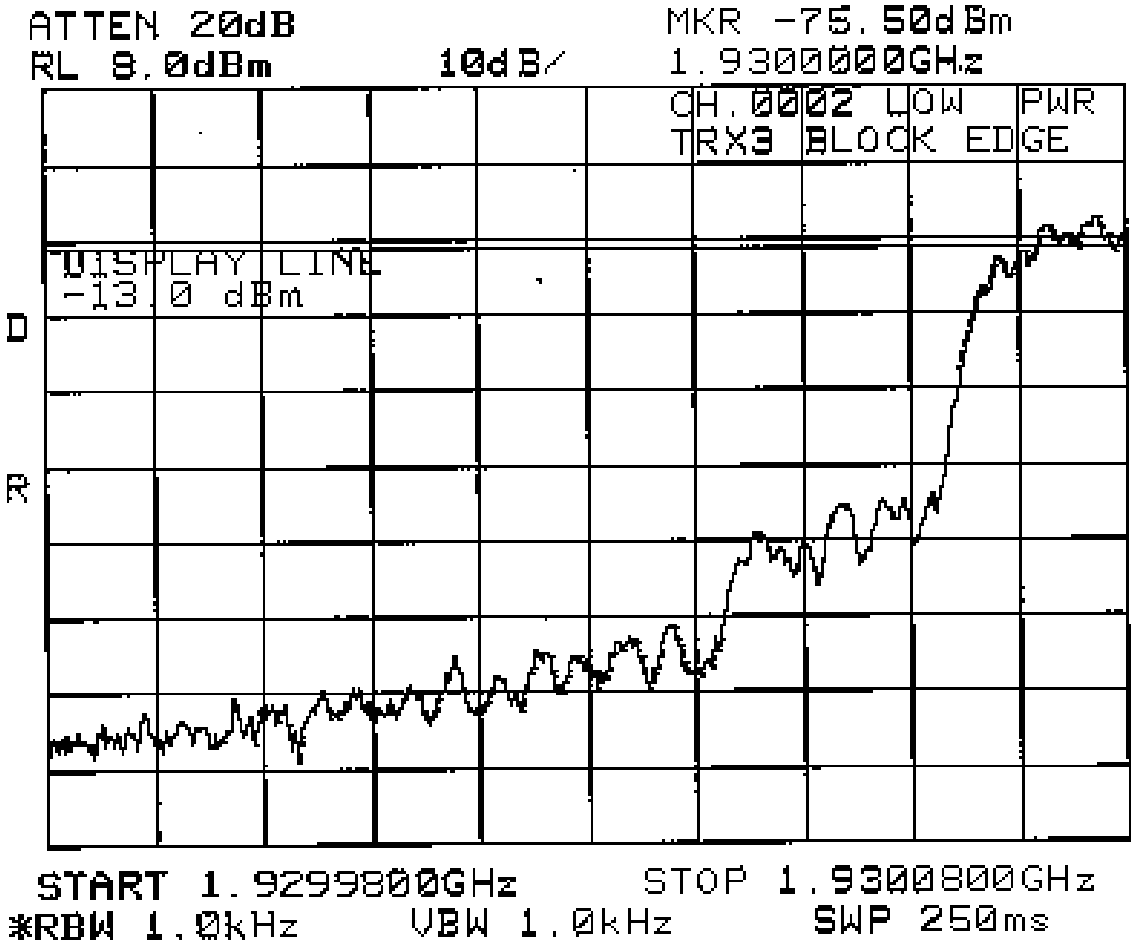


Low Power (Attenuation = 20) Ch. 2 (1.93008 GHz)

24.238 (b) Reference plot:

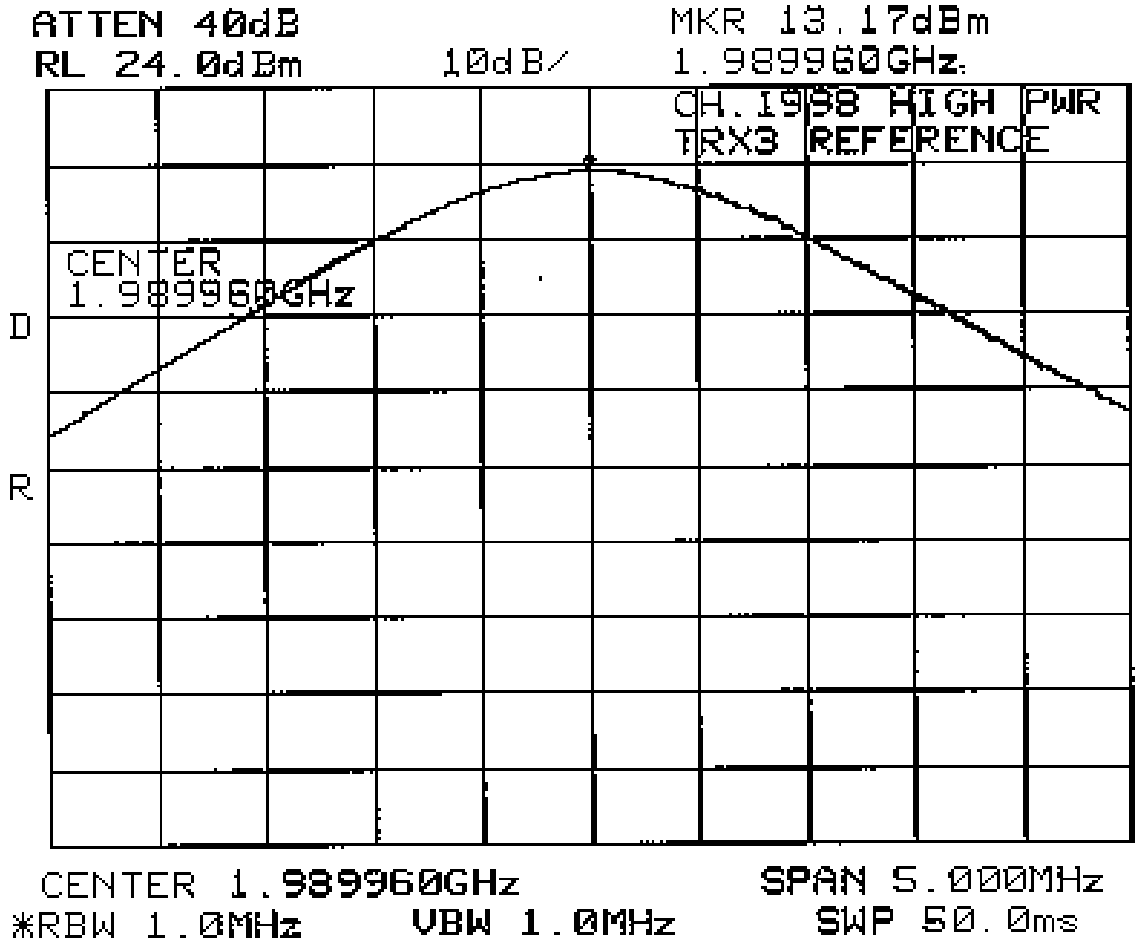


24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.

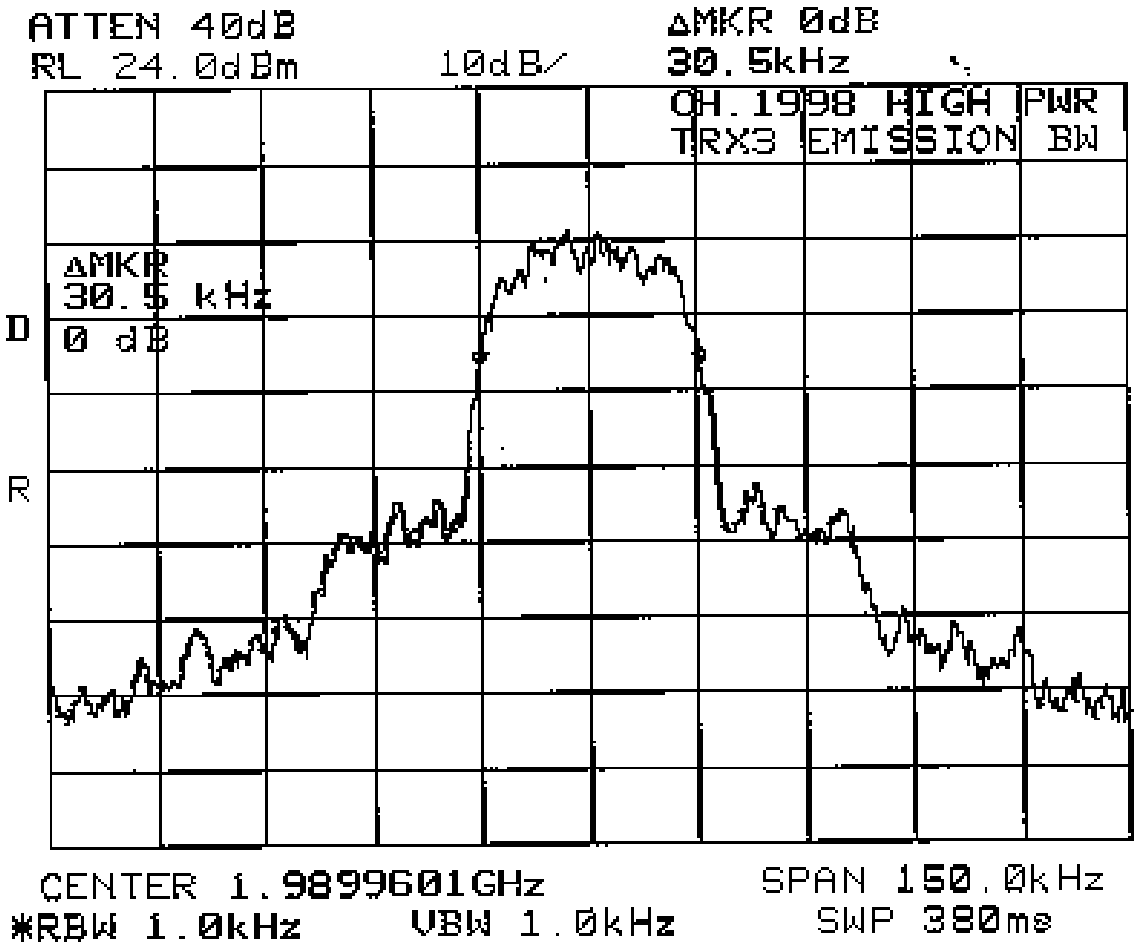


High Power (Attenuation = 0) Ch. 1998 (1.98996 GHz)

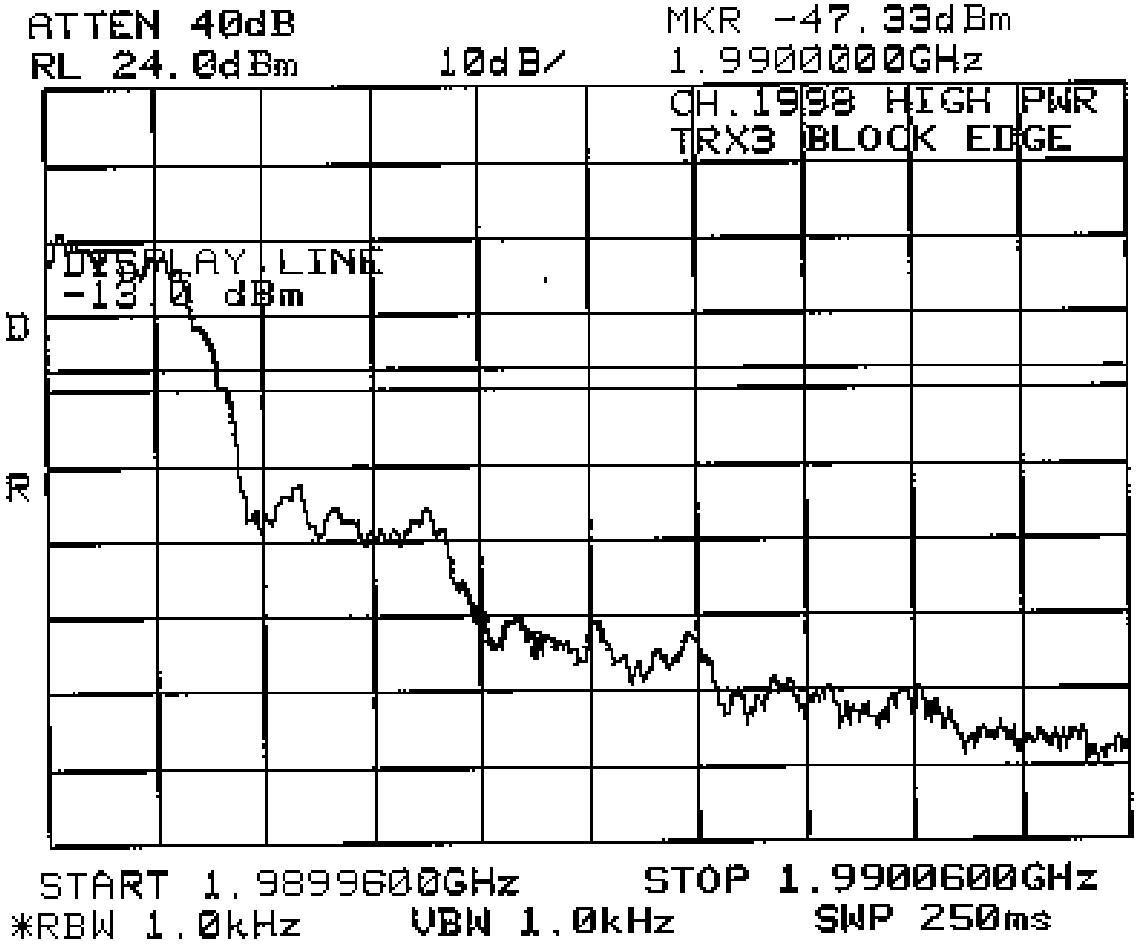
24.238 (b) Reference plot:



24.238 (b) Emission Bandwidth (26 dBc method): 48.6 kbs Pseudorandom Data.

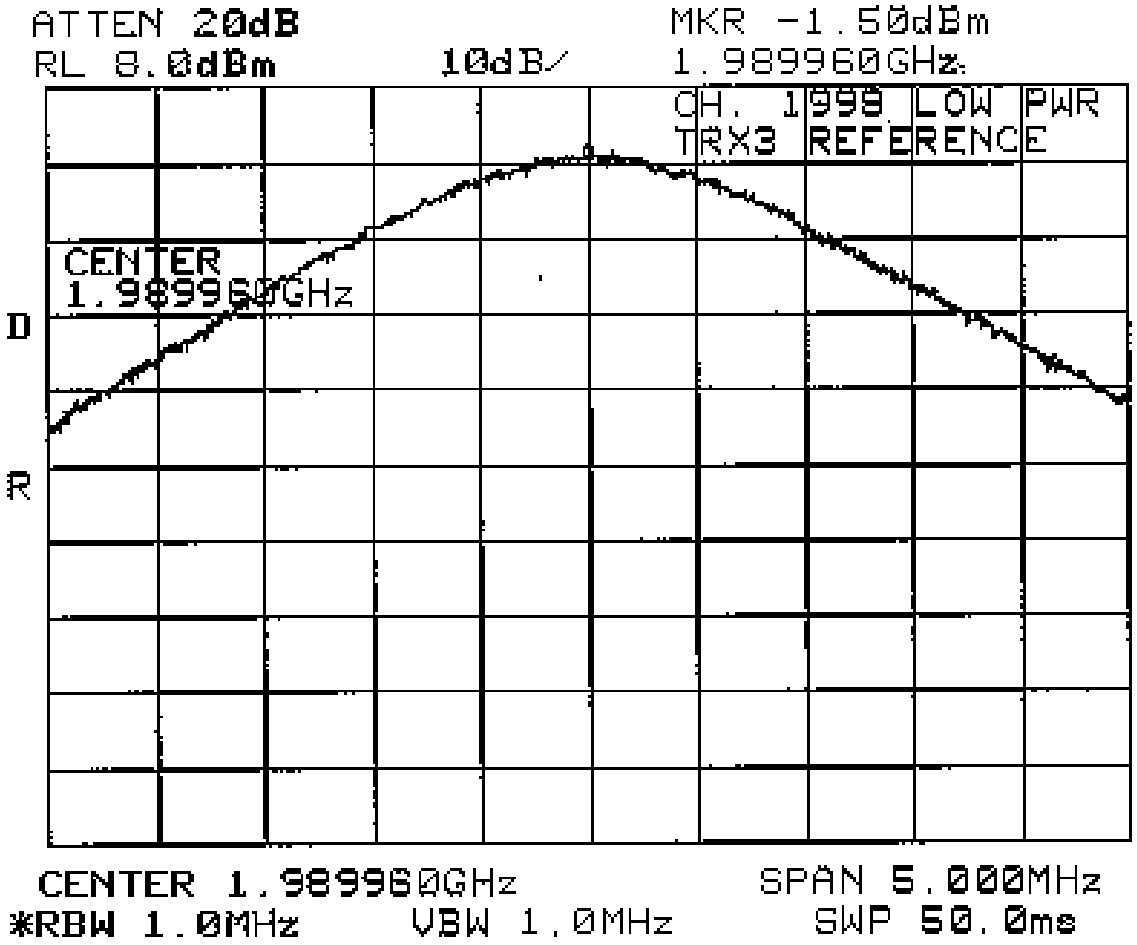


24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.



Low Power (Attenuation = 20) Ch. 1998 (1.98996 GHz)

24.238 (b) Reference plot:



24.238 (c) Block Edge: 48.6 kbs Pseudorandom Data.