

hp

REF -20.0 dBm

AT 10 dB

MKR 502.50 msec

.07 dB

PEAK

LOG

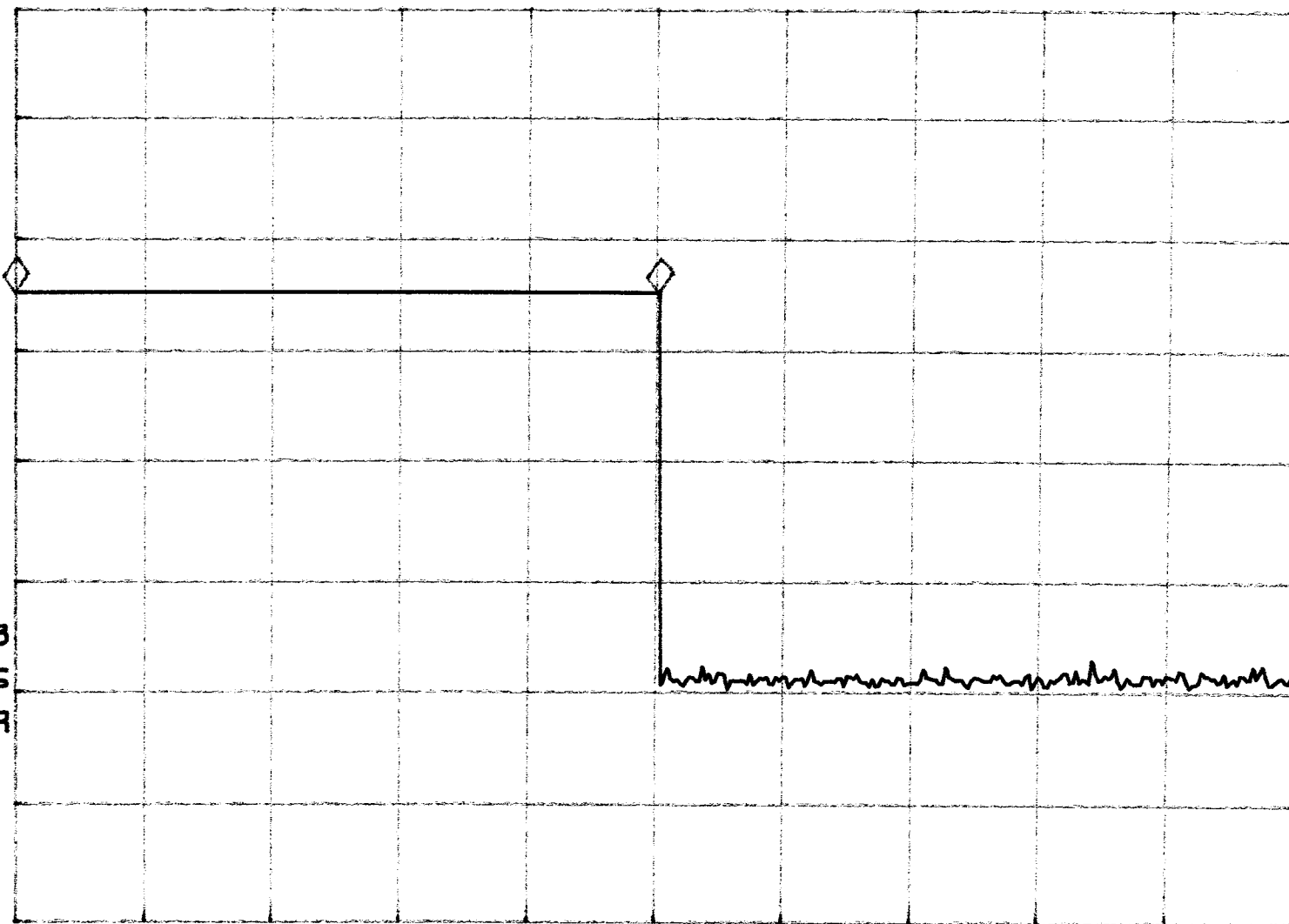
10

dB/

WA SB

SC VS

CORR



CENTER 312.000 MHz

SPAN 0 Hz

#RES BW 1.0 MHz

#VBW 100 KHz

#SWP 1.00 sec

Attn: Ms Cecilia

Data protocol in Remote control of 8082C

- In each cycle of data transmission & receiver, it consists of 4 exactly the same data string with details of each string as follows:

	Description	No. of cycles	Data format (binary)
A	Data Header	8	0101
B	Pre-command code	1	1101
C	Data command - RESET	1	0100
	Data command - UP	1	0101
	Data command - Down	1	0110
D	Offset temperature	1	0b2 b1 b0
E	Channel - 1	1	0001
	Channel - 2	1	0010
	Channel - 3	1	0100
F	Checksum - total number of '1' within (C) to (E) in MOD16	1	S3 S2 S1 S0

Note: MSB will be transmitted & receiver first for all nibbles of data

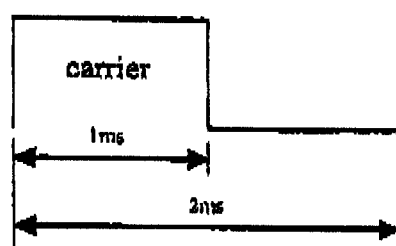
Worst Case : 0101 (0101)x7 1101 0110 0110 0001 0101

100ms

Remark:

When a '1' is transmitted & receiver,

- Carrier of 312MHz is transmitted & receiver for 1 ms and inhibited for 1 ms

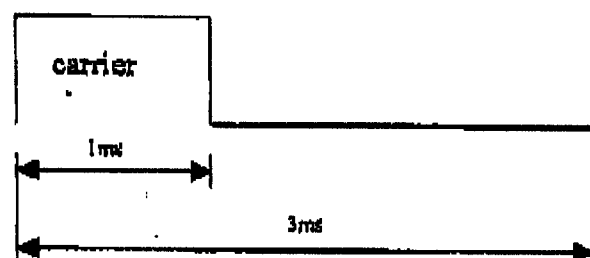


$$D.C. = (22+19) / 100 = 0.41$$

$$A.F. = -7.7 \text{ dB}$$

When a '0' is transmitted & receiver,

- Carrier of 312MHz is transmitted & receiver for 1 ms and inhibited for 2 ms



EXPLANATION OF THE B2, B1, B0 : 4° FOR B2, 2° FOR B1, 1° FOR B0,

MAXIMUM DATA FORMAT (BINARY) 0110.