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Re: FCC ID PT9SDU-2000
Applicant: TecNet Global Corporation
Correspondence Reference Number: 21594
731 Confirmation Number: EA102679

Andy you have received the updated SDU-2000 product users manual page in my last note. It is marked exhibit 3 and was page two of my last note (I've included it again as page 4). I have excerpted both RF exposure statements and included the exposure statements from BOTH users manuals here (page 3). As to antenna specifications, I am under the understanding that at the time TecNet Global's customer obtains their license to use this radio, compliance with RF exposure will be addressed and that the manufacturer of the radio does not have to address the antenna issue. TecNet Global supplies only the radio and not an entire system to the customer. I am submitting a MPE calculation based on a worst case installation of this radio.

Sincerely,

Mario de Aranzeta

$W := 4.50$ power in Watts $D := 1$ Duty Factor in decimal % (1=100%)

$E := 1.2$ exposure time in minutes $U := 6$ (use 6 for controlled and 30 for uncontrolled)

$$Wexp := W \cdot D \cdot \left(\frac{E}{U}\right) \qquad PC := \frac{E}{U}$$

$PC = 0.2$ percent on time

$Wexp = 0.9$ Watts

Correction for ON Time in 6 Minutes

$Po := 900$ mWatts $dBd := 5$ antenna gain $f := 460$ Frequency in MHz

$G := dBd + 2.15$ gain in dBi

$Gn := 10^{\frac{G}{10}}$ gain numeric $S := \frac{f}{300}$ 1500 use for uncontrolled exposure

use 300 for controlled

$Gn = 5.188$ $S = 1.533$

$$R := \sqrt{\frac{(Po \cdot Gn)}{(4 \cdot \pi \cdot S)}}$$

$$inches := \frac{R}{2.54}$$

$R = 15.567$ distance in centimeters required for compliance

$inches = 6.129$

RF Exposure Assessment

Note: This device is a low power transmitter.
In August of 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for wireless devices. End users must ensure compliance with RF exposure guidelines at the time of licensing.

This is the statement in the SD2000 users manual.

Note: The antenna(s) used for this transmitter must be fixed-mounted on outside permanent structures. End users must ensure compliance with RF exposure guidelines at the time of licensing.

This is the statement in the SD7000 users manual.

1. Operating Guide.

Figure 1.1 is an appearance of TNET-44 UHF radio and figure 1.2 is detailed front panel view.

Connect an Antenna and VCC, GND, PTT and R/Tx voice(data) line accordingly as the figure 2 and table 1.

NOTE: This device is a low power transmitter. In August of 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for wireless devices. End users must ensure compliance with RF exposure guidelines at the time of licensing.

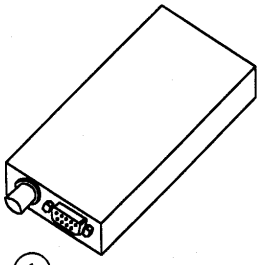

Figure 1.1

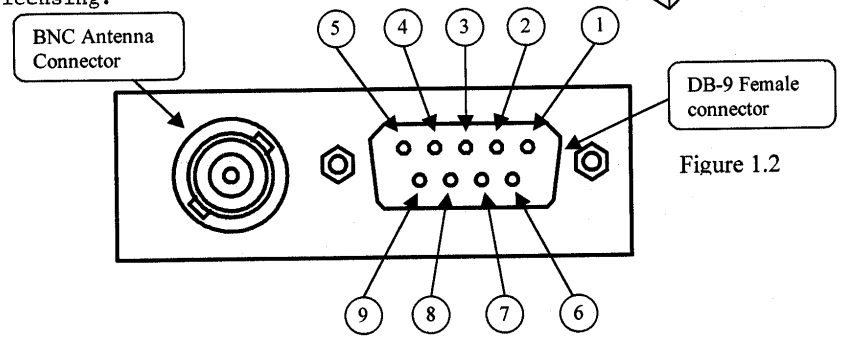

Figure 1.2

Table 1. DB-9 female connector terminal description

Terminal Number	Function
1	VCC(+7.5 ~ +13.5Volts)
2	GND
3	PTT(active low)
4	Audio(data) input
5	Audio(data) output
6	PIO for program
7	CH A/B(default A, Low=CH B)
8	CLK for program
9	CD(active low)

1.1 Signal reception :

Apply proper power to the DB-9 female connector terminal #1(VCC) and #2(GND) than connect antenna to BNC antenna connector to receive signal from DB-9 female connector terminal #5-Audio(data) output-.

1.2 Signal transmission:

On signal reception status, tie the DB-9 female connector terminal #3(PTT) and #2(GND) and supply a voice or data signal to the terminal #4-Audio(data) input-.

TecNET GLOBAL CORP.
FCC ID : PT9SDU-2000
JOB # : 665ZAU1
EXHIBIT # : 3