

Re: FCC ID: BBOPR2000WX, EA98128
Correspondence Reference #15305/15306

Per your 7/28 email inquiry, response follows:

1.) Because this unit is used with a specific antenna provided with the unit, the tests for power output should be performed as radiated to determine ERP via the substitution method:

ERP (d) based on substitution of a dipole: 1.89 W.

2.) Likewise, the tests for radiated spurious emissions should be performed with the unit operating with it's normal antenna connected:

Spurious emissions w/ short helical antenna:

	<u>dBc</u>
462.588	0
925.176	64V
1387.764	49V
1850.352	55V
2312.940	56V
2775.526	73H
3238.114	75H
3700.702	65H
4163.288	65H
4625.878	77H

(a) the type and number of antenna(s) to be used for this device and a detailed description of the antenna connector, if any.

SUPPLIED ANTENNA IS A HELICALLY WOUND ELECTRICAL QUARTER WAVE. CONNECTOR IS A STANDARD "SMA" SERIES. RADIO IS FEMALE, ANTENNA HAS INTEGRAL MALE SMA.

(b) maximum antenna gain for antenna(s) indicated in (a)

GAIN FOR HELICALLY SHORTENED QUARTER WAVE IS TYPICALLY NO MORE THAN 1 dbi.

(c) can this device sustain continuous operation with respect to its hardware capabilities and allowable operating functions ?

THERE ARE NO TIMERS OR OTHER LIMITING DEVICES. CONTINUOUS TRANSMISSION IS POSSIBLE, BUT DEVICE IS PTT OPERATED AND HEAT-SINK LIMITED.

(d) are there any other hardware or operating restrictions that could limit a person's RF exposure

NO

(e) is source-based time-averaging (see 2.1093 of rules) applicable to reduce the average output power ?

DEVICE IS FM. POWER OUTPUT IS INVARIANT DURING KEYDOWN PERIODS.

(f) this device has headset and belt-clip accessories that would allow body-worn operations, what is the minimum separation distance between the antenna and the user's body in this operating configuration ?

WITH RADIO ON THE BELT CLIP, ANTENNA CENTER-LINE IS OFFSET 2.4 CM FROM BELT CLIP ATTACHMENT SURFACE. DISTANCE TO USER'S BODY IS A FUNCTION OF USER'S SHAPE. HEADSET OR REMOTE MIKE IS NOT A SUPPLIED ACCESSORY.

(g) can this device access wire-line services to make phone calls, either directly or through an operator

NO

(h) can specific operating instructions be given to users to eliminate any potential RF exposure concerns for both front-of-the-face and body-worn operating configurations ?

YES, DRAFT OF INSTRUCTIONS FOLLOW.

(i) any other applicable information the applicant may provide that can serve as effective means for ensuring RF exposure compliance.

NONE

Safety Information

Your wireless handheld portable transceiver contains a low power transmitter. When the PTT button is pushed it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

Important: To maintain compliance with the FCC s RF exposure guidelines hold the transmitter at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. If you wear the handset on your body while using the headset accessory, use only the (BRANDNAME) supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting. If the distance between the antenna and the body is LESS THAN 1.0"(2.5cm) *DO NOT USE THIS DEVICE IN THE BODY WORN CONFIGURATION.* Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

Normal Position: Hold the transmitter approximately 1" from your face and speak in a normal voice, with the antenna pointed up and away.