

Test Report Additional Information_2:

Alternative to Conducted Output Power Measurements:

Required conducted power output measurements at low, medium, and high channels (per 15.247(b) and (c)) could not be performed directly since the transmit antenna is integrated onto the printed circuit board. However, compliance with these requirements has been achieved by way of performing and passing the radiated tests described in the ALTERNATIVE TEST PROCEDURES in Public Notice DA 00-705, March 30, 2000.

Specifically, all radiated emissions shown in the test report are less than 119.2 dBuV/m at 3 meters. This is the field strength limit corresponding to the maximum fundamental power output of 0.25 watts from an isotropic antenna per 15.247 (b) (2) for systems employing between 25 and 49 hopping channels.

The calculation as detailed in the above Public Notice is as follows:

$$E = \text{Square Root of } (30PG) \text{ all divided by } d$$
$$E = 912,871 \text{ uV/m} = 119.21 \text{ dB uV/m}$$

where

E is the maximum allowable fundamental field strength in uV/m

P is the maximum allowable fundamental radiated power = 0.25 watts

G is the antenna gain = 1 (Assume 1 for the worst case (lowest allowable) final field strength.)

d is the measured distance = 3 meters