

The output power was measured using the signal substitution method as follows. The transmitter field strength was measured at a distance of 1 m. The transmitter was replaced with a Gunn Oscillator and standard gain horn (17 dBi). The corrected level from the Gunn Oscillator was 22.3 dBm into the standard gain horn in order to obtain the same level as that which was produced by the transmitter. Add to this 17 dB and the resultant EIRP is $17 + 22.3 = 39.3$ dBm EIRP. The manufacturer states that the gain of their antenna is 20 dBi therefore the calculated power at the output of the transmitter is $39.3 - 20 = 19.3$ dBm. Based on this the power as stated in our report of measurements and on form 731 is conducted power. This is within 0.7 dB of the manufacturer's rating of RF power output. We are sorry for any confusion this may have created in your review of this report.