

EMISSIONS, FREQUENCY RANGE, POWER LEVEL

SECTION 2.1033 (c) (4), (5), (6) and (7)

EMISSIONS, FREQUENCY RANGE, POWER LEVEL

SECTION 2.1033 (c) (4)

Type or types of emission:

RESPONSE:

The AS5BTS2K-01 is capable of amplifying transmission involving the following types of emissions:

244KGXW

(See Test report Measurement 3A for 99% power bandwidth. The Measured Bandwidth is 244 kHz)

SECTION 2.1033 (c) (5)

Frequency Range

RESPONSE:

1930.4 – 1989.6 MHz

SECTION 2.1033 (c) (6)

Range of operating power values or specific operating power levels, and description of any means provided for variation of operating power.

RESPONSE:

The AS5BTS2K-01 “GSM 1900 Transceiver” is capable of operating from 0.002 to 27 watts. The combined RF output for a single carrier. Two GSM 1900 transceivers using a combiner is 34 watts for two carriers. The output power is measured at the J4 output connector of the cabinet in which AS5BTS2K-01 is mounted. The power is under continuous software control. The short term peak power due to channel activity fluctuations is 27W +0.5/-2dB for a single carrier and 34 watts 34W +0.5/-2dB for two carriers combined.

SECTION 2.1033 (c) (7)

Maximum power rating as defined in the applicable part(s) of the rules.

RESPONSE:

The maximum average power output of the AS5BTS2K-01 at cabinet output J4 connector is 34 watts.