

Node-C 19xx TCB Questions

Item 1. Per 2.1033(c)(6) Please supply a description of the means provided for varying the power output. Please describe how the maximum power output is set within the device. -- The users manual provided is not sufficiently clear with respect to this purpose and is not a suitable substitute.

Answer: The unit has two different modes of operation. In the power mode the output power of the Node C is controlled in order to keep the pilot power at the output of the Node C forward link constant. In the gain mode the gain of both paths is kept constant. In both cases the maximum output power is limited to the max. average power capabilities of the PA. An ALC circuit in the DCM is used together with a calibrated gain value for the following stages will limit the max. average power out of the Node C.

Item 2. Per 2.1033(c)(13), please provide a detailed description of the modulation circuitry and filters as described in the users manual. -- The users manual describes the use of filter sets to block or use specific channel bands (see section 5.2.1 in users manual), no information was provided with this filing regarding filter characteristics or responses. Please provide.

Answer: No modulation is applied to the incoming signal. The filter characteristics exhibit a rejection of 40dBc at a frequency offset of $\pm 1.25\text{MHz}$ from the edges of the passband.