

1) Please confirm that this device/system does not connect to base station via an over-the-air link.

The base station does not connect to the system via an over-the-air link.

2) User manual and operational description mentions indoor and outdoor use of remote antenna. Please update grant comment accordingly.

Action for TCB.

3) Please discuss if and how this device will be used in accordance with section 90.219.

The amplified signal is retransmitted only on the exact frequencies of the originating base station. It will only fill in weak signal areas and cannot extend the system's normal signal coverage area.

4) Please confirm TDMA and CDMA use for this system under Part 90. These standards are typically are related to Part 22 or 24 applications.

The system does not care which modulation is used. I used the CW, FM, TDMA, and CDMA carriers as that is just the way I've done it in the past on other amplifiers. Do you want me to test with a IDEN modulation to show compliance? Or is the submitted data sufficient to show what comes in is what comes out?

5) Please retest intermodulation using at least three signals at maximum drive level.

Two level method was used per TCB training slide from FCC (attached). 3 signal method data is attached.

6) Please detail input drive and resulting output levels for all tests.

The input to the system is a nominal -40 dBm. The software in the system allows for additional (computer software added) attenuation of up to 30 dB, which in turn allows for a maximum drive level of -10 dBm. The input is a wash between the two signals, just depends on if you have any added attenuation. The output of the system is around +41 dBm (+43.5 dBm max).

7) Please detail how maximum drive level is controlled to prevent saturation in the system for both single and multiple signal scenarios.

The maximum drive level is controlled by the micro processor. Our system measures output power at a composite level. It doesn't matter if there is one carrier, or 15. The total output power is what is measured. This is also along the same line of information as explained in question "6".

8) Power stated is 1000 W on Form 731. This does not appear to agree with measurements. Update accordingly.

1000 W per rf exposure evaluation with 43.5 dBm max output, 16.5 dB maximum gain antenna.

9) Please detail what is the equipment configuration inside the box labeled EUT in the last pages of the EMC test report.

See attached.

10) Please clarify the location for the FCC ID label. Will both host and remote be labeled?

Just the LPA (remote unit) - the FCC label is attached at the remote units. The remote units are the only components where cellular/pcs/smr antenna radiation occurs.