

In response to your questions concerning the Certification Application for Cellular Specialties I have the following answers:

Question:

1. Power output (power rating per channel) measured or calculated?

Answer:

1. The power ratings per channel are calculated by the manufacturer using a de-rating guideline issued by the EIA. Rather than simply dividing the power output by the number of channels additional consideration is made for the interactions of multiple signals. The formula is:

Power per channel (dBm) = Power (1 channel) (dBm) - 13.29 log NdB

Where N is the number of channels

Where Power 1 channel = 23dBm (200mW)

Question:

2. Tests performed with the EUT @maximum power (2W) or granted power (200mW)?

Answer:

2. Testing is performed utilizing input levels necessary to achieve maximum power output.

Question:

3. Frequency stability test?

Answer:

3. The frequency stability tests have been repeated while varying the input voltage 85% to 115%. Test Data is attached.

Question:

4. Occupied bandwidth was some type of external attenuation used during testing?

Answer:

4. On the occupied bandwidth test 20dB of external attenuation was used in the test setup.

Question:

5. Spurious Radiated Emissions data shows measurements to 10GHz instead of 20GHz.

Answer:

5. Spurious Radiated emissions testing was performed to 20GHz. The data sheet shows the correct range in the heading but contained an error on the left column and only showed 10GHz instead of 20. A corrected data sheet is attached.

Question:

6. Users manual is not consistent with the frequency ranges on the application.

Answer:

6. Also attached is a revised user manual which corrects the uplink frequency range.