

Experiment

Description: To demonstrate various mobile applications to the developers and get their feed back in performance/portability and provide information related to upcoming products.

Venue:

Radisson Resort at the Port
8701 Astronaut Boulevard
Cape Canaveral
Florida 32920

2G Information

Freq MHz UPLINK	Freq MHz DOWNLINK	DCS1800 Channel Number
1751.80	1846.80	720 Recommended
1752.00	1847.00	721 Not used
1752.20	1847.20	722 Not used
1752.40	1847.40	723 Not used
1752.60	1847.60	724 Recommended

The reason for channel numbers and frequencies being requested, i.e. 720 and 724, is because we need a minimum of 3 channels between live transceivers and they are below the USA's PCS1900 channels. The frequencies quoted are "centre frequency" with a spread of 100kHz either side making each channel allocation 200kHz.

The output power (ERP) will be +30dBm or 1 Watt. The modulation will be GMSK and the tolerance will be to 3GPP specifications. The station class will be "fixed".

3G Information

Lower Frequency	Upper Frequency	Power	ERP	Mean/Peak	Tolerance	Station Class
2124.9MHz	2129.9MHz	+37dBm	+30dBm	N/A W-CDMA	To 3GPP spec	Fixed

In this case the ERP of +30dBm equates to 1 Watt.

Antenna

Both base stations will use a common antenna connected via combiners. See details in attachment to accompanying email.