

## FCC Application for Experimental License

File Number: 0396-EX-ST-2014

### Exhibit 1: Information on Experiment

SRC respectfully requests to the Federal Communications Commission to grant us an Experimental License for the operation of four *SRC Experimental Transmitters* for conducting propagation experiments for the period of 3 months.

#### Operating Parameters:

SRC Inc., will conduct propagation experiments using the SRC Experimental Transmitter within the following parameters:

| Parameter               | Metric            |
|-------------------------|-------------------|
| Number of Transmitters  | Up to 4           |
| Tunable Frequency Range | 175 MHz - 225 MHz |
| Channel Bandwidth       | 12 MHz            |
| Emission Designator     | 12M00M1D          |
| Peak Transmit Power     | 50 Watts          |
| Antenna Gain            | 2.0 dBi           |
| EIRP                    | 79.2 Watts        |

#### Operating Location

Each SRC Experimental Transmitter will be operated within the following constraints over the radius of operation with the antenna 2 m above ground level.

The coordinate center SRC will use is:

| Location | Latitude   | Longitude  | Elevation<br>(Above mean<br>Sea Level) | Radius of<br>Operation |
|----------|------------|------------|----------------------------------------|------------------------|
| SRC      | 43° 7'50"N | 76° 5'24"W | 121 m                                  | 3 km                   |

#### Operating Schedule

SRC will operate the SRC Experimental Transmitter on the following schedule over the period of the Experimental License grant:

| Parameter     | Metric                               |
|---------------|--------------------------------------|
| Hours per day | Intermittently up to 8 hours per day |
| Days per week | 5                                    |
| Start date    | 6/1/2014                             |
| Stop date     | 8/31/2014                            |