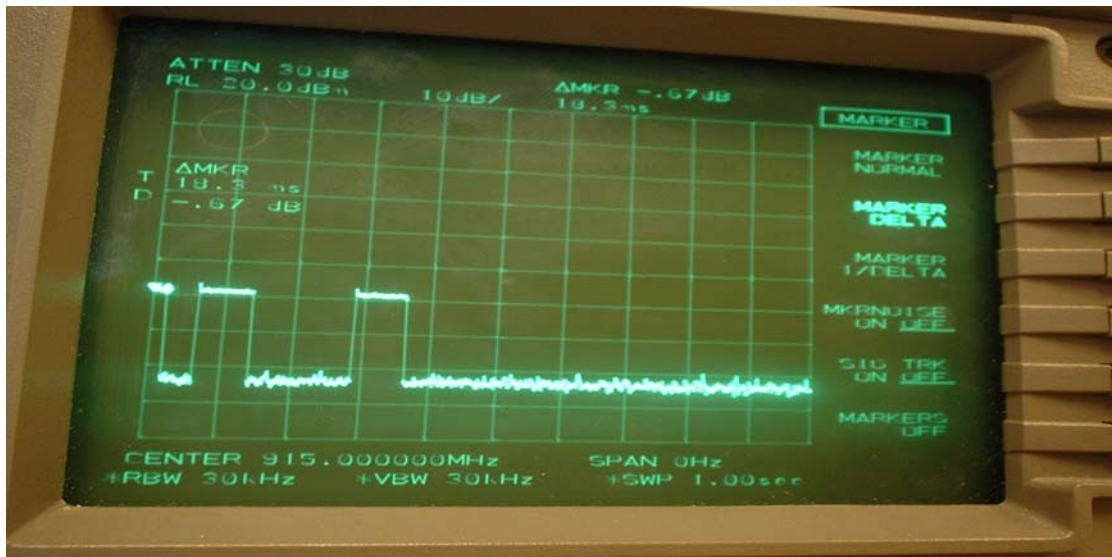


1) Maximum channel occupancy in 1 second

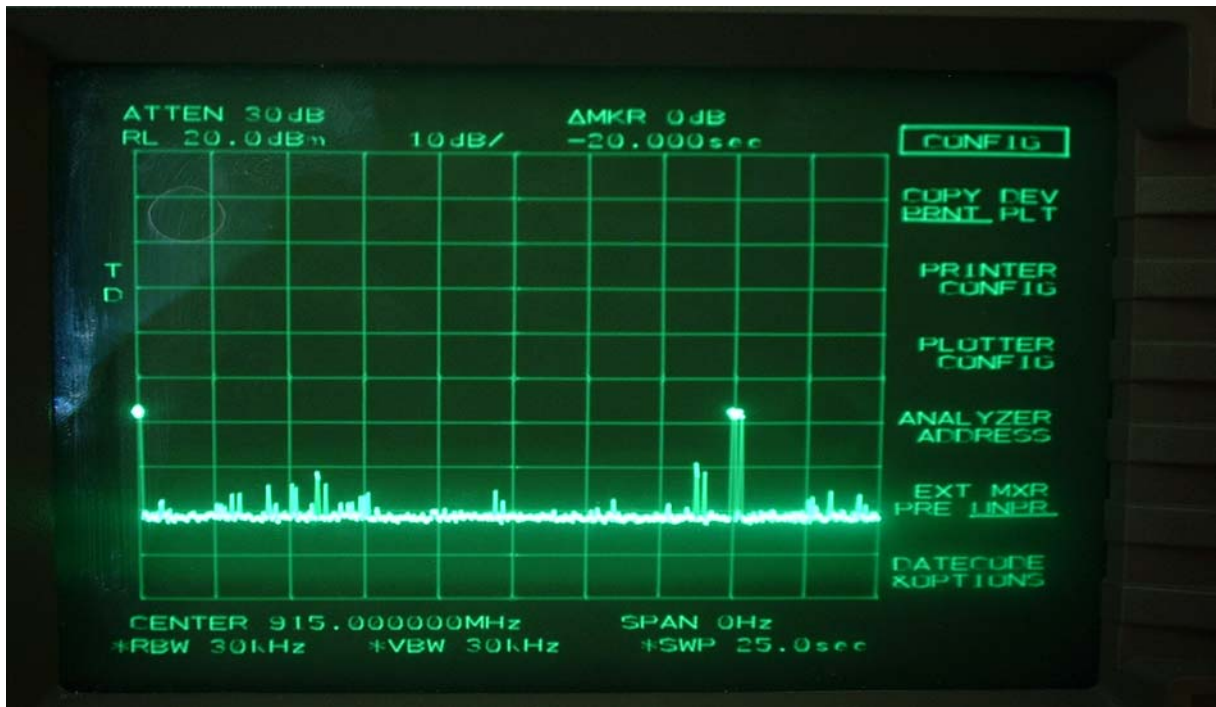


Three rf pulses :-

- 1) Beacon frame 18mS
- 2) Wait 45mS (transmitter off)
- 3) Maximum payload data packet 75mS
- 4) Wait 148mS (transmitter off)
- 5) Maximum payload data packet 75mS (retry)
- 6) Total maximum ON time per TX: $75+75+18 = 168$ max msec per transmission

2) Channel occupancy in 25 seconds

The hop sequence repeats every 20 seconds. Spectrum analyzer plot below show 1 transmission sequence every 20 seconds, so maximum channel occupancy will be no greater than 168 msec in 20 seconds.

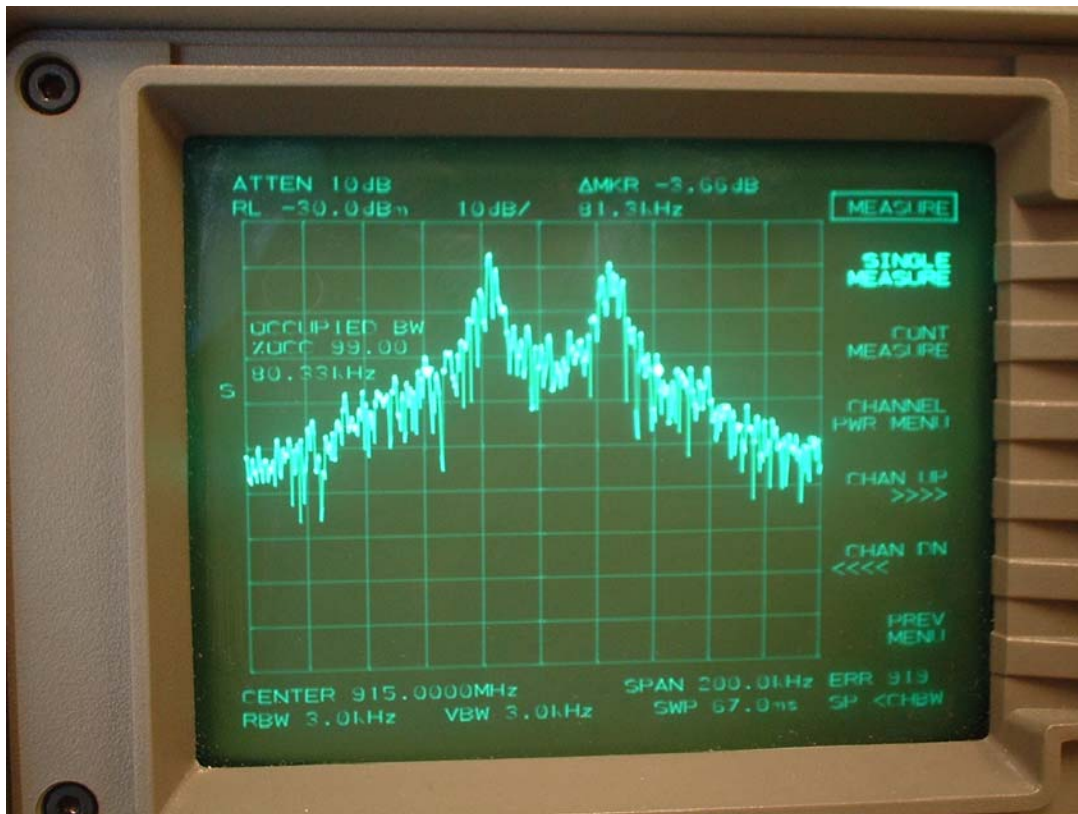


Hop sequence repeats every 20 seconds.

3) Occupied Bandwidth

Transmitting a BER511 pattern

3.1) Bandwidth for 99% of power = 80 kHz



3.2) 20 dB bandwidth = 88 kHz

