### RF Safety Exposure Categorization

<table>
<thead>
<tr>
<th>Exposure Conditions</th>
<th>Control Measures</th>
<th>Signage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operational of the source(s) or locations where RF fields are too weak to cause</td>
<td>• RF Safety Guideline/NIER report must be submitted to RFSO for approval.</td>
<td><em>the antenna owner information and Antenna Structure Registration Number and must be displayed on the sign.</em></td>
</tr>
<tr>
<td>exposures greater than General Public limit.</td>
<td>• No special EME safety practices required in these areas.</td>
<td>INFORMATION sign for access to rooftop/access door.</td>
</tr>
<tr>
<td>Green zone is where the time and spatial-average is below 20% of Occupational</td>
<td>• No signage required except Information sign.</td>
<td></td>
</tr>
<tr>
<td>Worker limit or &lt;100% of General Public limit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cat. Occupational Worker</td>
<td>General Public</td>
<td>1</td>
</tr>
<tr>
<td>Operational of the source(s) or locations where RF exposure could exceed the</td>
<td>• RF Safety Guideline/NIER report must be submitted to RFSO for approval.</td>
<td>NOTICE signage shall be posted on the barriers/stanchion to prevent anyone from entering into the area (must be cordon off around the antennas - 4 posts /3 signs).</td>
</tr>
<tr>
<td>General Public limit but not the Occupational Worker limit to be exceeded in</td>
<td>• Recommended RF safety awareness training for all workers in this area.</td>
<td>Or must be posted in location that can be easily viewed by individuals that enter the areas of concerns.</td>
</tr>
<tr>
<td>accessible areas.</td>
<td>• Controlled areas with barriers and/or signage required in these area.</td>
<td></td>
</tr>
<tr>
<td>Blue zone is where the spatial average is between 20%-100% of Occupational Worker</td>
<td>• Do not walk in front of the antenna face or no loitering in this controlled</td>
<td></td>
</tr>
<tr>
<td>limit. This limit MUST be less than the Occupational limit.</td>
<td>area.</td>
<td></td>
</tr>
<tr>
<td>Cat. Occupational Worker</td>
<td>General Public</td>
<td>2</td>
</tr>
<tr>
<td>Operational of the source(s) or locations where RF exposure exceeded the Occup</td>
<td>• Individual shall not enter and work in these areas without RS approval</td>
<td>CAUTION signage shall be posted on the barriers/stanchion to prevent anyone from entering into the area (must be cordon off around the antennas - 4 posts /3 signs).</td>
</tr>
<tr>
<td>tional Worker limit in accessible areas.</td>
<td>• Required RF safety training and access area is restricted only for authorized</td>
<td></td>
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<tr>
<td>Yellow zone is where the spatial average is above 100% of Occupational Worker</td>
<td>worker.</td>
<td></td>
</tr>
<tr>
<td>limit.</td>
<td>• Controlled areas with barriers and signage required in these area.</td>
<td></td>
</tr>
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<td>Cat. Occupational Worker</td>
<td>General Public</td>
<td>3</td>
</tr>
<tr>
<td>Exposure will exceed exposure limit in accessible areas.</td>
<td>• Do not walk in front of the antenna face.</td>
<td></td>
</tr>
<tr>
<td>Red zone is where the time and spatial-averaged levels fall above 500% of</td>
<td>• Require reduction of RF power and approval from Radiation Safety prior any</td>
<td></td>
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<tr>
<td>Occupational Worker limit or is not feasible to prevent exposures.</td>
<td>work on the antennas.</td>
<td></td>
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<tr>
<td>Cat. Occupational Worker</td>
<td>General Public</td>
<td>4</td>
</tr>
<tr>
<td>• RF Safety Guideline/NIER report must be submitted to RFSO for approval.</td>
<td>• Must re-engineer site to reduce the EME fields.</td>
<td>RF WARNING &amp; Pacemaker DANGER signage or appropriate DANGER sign shall be posted very near radiation RF sources or if appropriate DANGER sign.</td>
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<td>• No access allowed-Prohibited access! There must be controls to detect any</td>
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<td>unauthorized enter and terminate the RF energy in the area.</td>
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<tr>
<td>• Lock out/tag out of transmitters during the maintenance of the antenna system.</td>
<td>• PPE is not sufficient.</td>
<td></td>
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<td>• PPE is not sufficient.</td>
<td>• Special RF training and PPE are required. (Applies only to individuals trained by RS).</td>
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