


# Pulse mLUX Translucent Flex Antenna

## Technical Profile

- Translucent flex antenna
- Assembled with adhesive to the mobile device display or cover (plastic or metal)
- Flex total thickness 130-185 $\mu$ m
- Cu thickness 12 $\mu$ m
- Mesh: Cu line width 12-20 $\mu$ m, pitch 300 $\mu$ m
- Transmittance 79.5 $\pm$ 3%
- Suitable for cellular and complementary applications
- Compatible with all radiator RF concepts
- Applicable to all mobile connected devices
  - Mobile phones, smartphones and tablets
- Ready for mass manufacturing



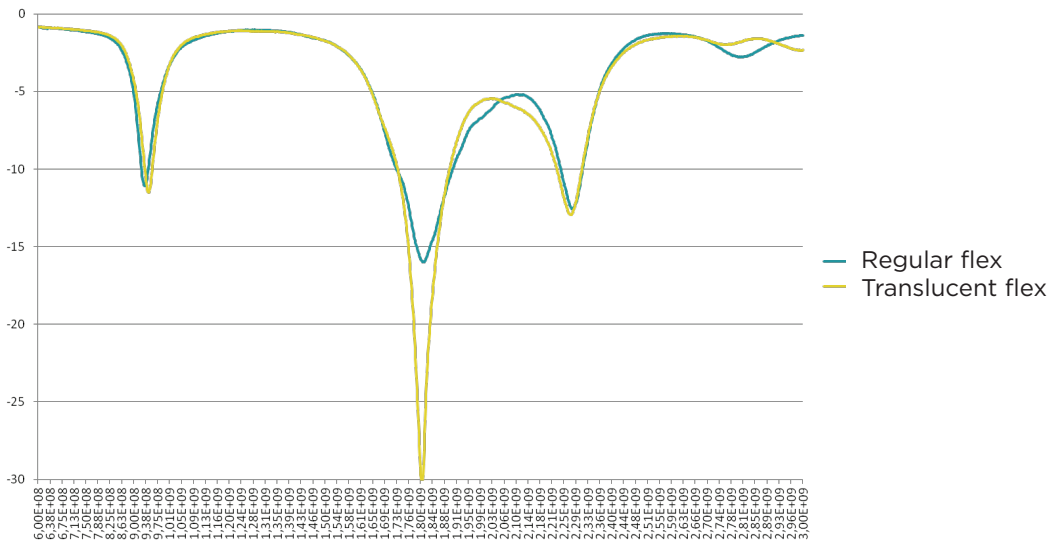
## Benefits

- Impressive design effects
    - Invisible flex radiator reflects light and color through
      - Antenna assembled to transparent visual mechanics or separate carrier
      - Possible to insert mold between clear and opaque plastics
  - Increased use of metal on B-cover and walls
    - Display integrated antenna
  - Numerous integration and assembly possibilities
  - Equally reflective surface
    - Non-pattern areas filled with mesh
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- Smaller feeding elements
    - Antenna near to Gorilla glass
  - State-of-the-art RF performance
    - Antenna placed as far as possible from the ground plane and handor
    - Thinner devices with same performance as with typical flex antenna solutions
  - Easily customized

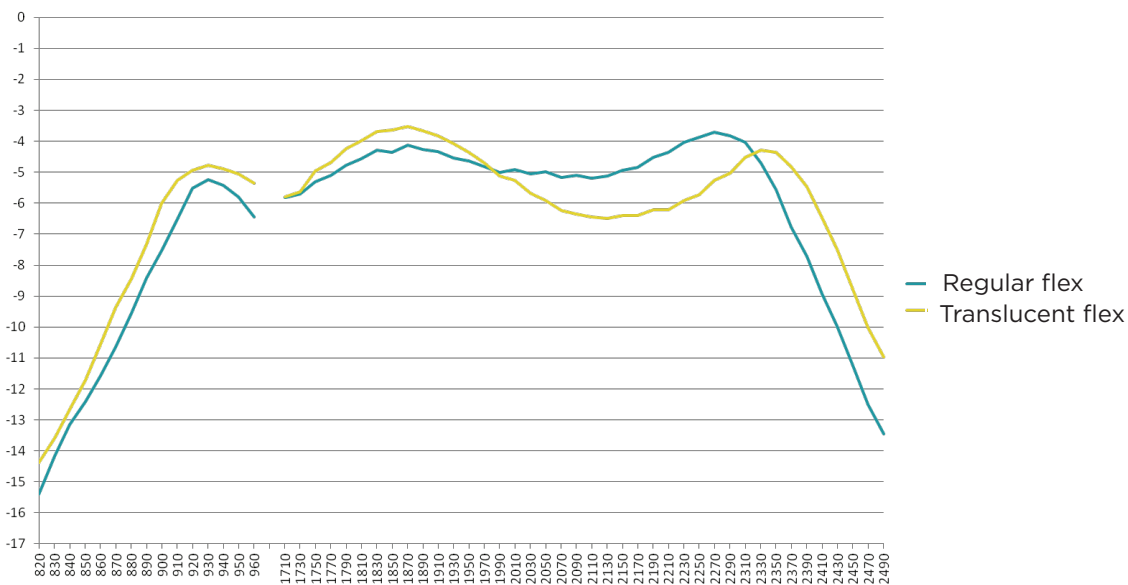
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## Real-Life Comparison: Return Loss



## Real-Life Comparison: Total Efficiency in FS



## For More Information

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