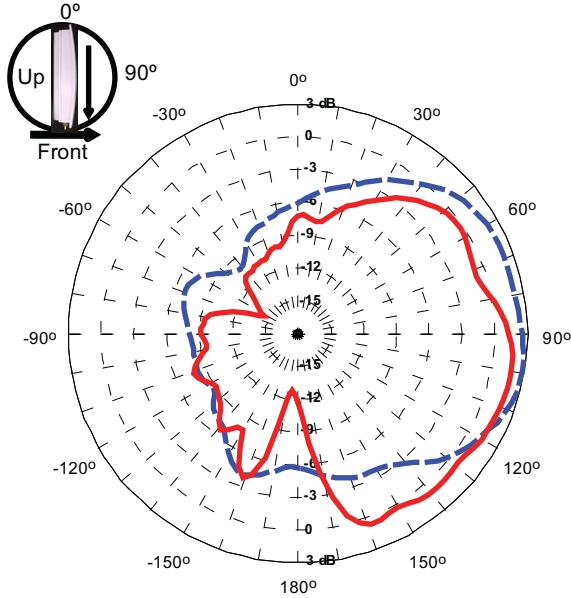


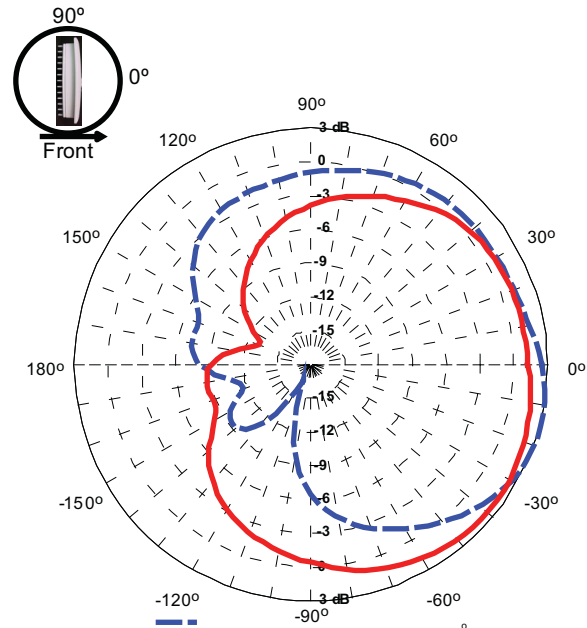
Appendix, Antenna Patterns

UMTS Band Antenna Patterns



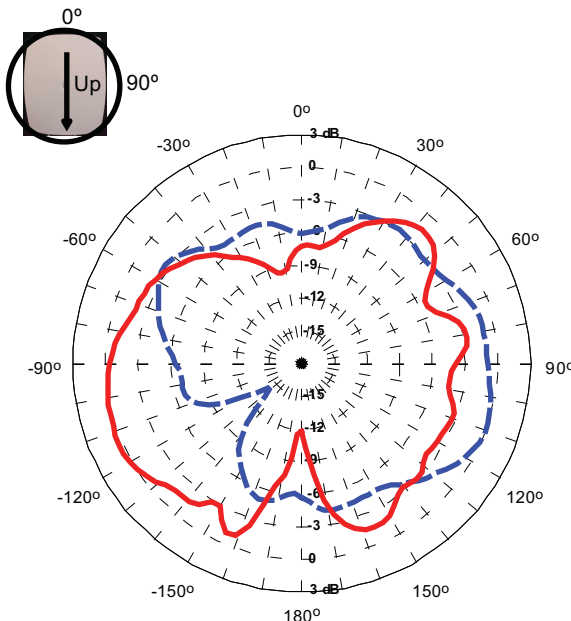
— AUT₁=2140 MHz | Max Gain₁= 2.84 dBi at 99°
— AUT₂=2140 MHz | Max Gain₂= 1.82 dBi at 102°

EL1 Cut (Front-to-Back)



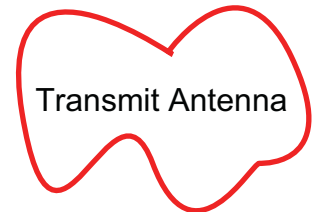
— AUT₁=2140 MHz | Max Gain₁= 3.13 dBi at -15°
— AUT₂=2140 MHz | Max Gain₂= 2.46 dBi at -36°

AZ Cut



— AUT₁=2140 MHz | Max Gain₁= 0.02 dBi at 111°
— AUT₂=2140 MHz | Max Gain₂= 0.38 dBi at -117°

EL2 Cut (Side-to-Side)



Transmit Antenna