(Cos(w\*x)\*(sin(w\*x)\*cos(p)+cos(w\*x)\*sin(p))/(sin(w\*x)\*(A\*cos(p)-B\*cos(p))+cos(w\*x)\*(B\*cos(p)+A\*sin(p))))^2

(Cos(x)\*(sin(x)\*cos(p)+cos(x)\*sin(p))/(sin(x)\*(A\*cos(p)-B\*cos(p))+cos(x)\*(B\*cos(p)+A\*sin(p))))^2

(ArcTanh[(-a + b\*Tan[(p + w\*x)/2])/Sqrt[a^2 + b^2]]\* Sin[p])/(Sqrt[a^2 + b^2]\*w) + ((-2\*b\*Cos[w\*x])/(a^2\*w + b^2\*w) + (2\*Sqrt[(-I)\*a + b]\*ArcTanh[ (Sqrt[(-I)\*a + b]\*Sec[(w\*x)/2]\*(I\*Cos[p] + Sin[p])\*(a\*Cos[p + (w\*x)/2] - b\*Sin[p + (w\*x)/2]))/((a + I\*b)\* Sqrt[I\*a + b]\*Sqrt[(Cos[p] - I\*Sin[p])^2])]\* (I\*Cos[p] + Sin[p])\*(2\*a\*b\*Cos[p] + (a^2 - b^2)\*Sin[p]))/((a - I\*b)\*(a + I\*b)^2\* Sqrt[I\*a + b]\*w\*Sqrt[(Cos[p] - I\*Sin[p])^2]) + (2\*a\*Sin[w\*x])/(a^2\*w + b^2\*w))/2

Numerator

Denominator

Combination:

At

Power factor:

Integral:

A:

B:

Integrated expression:

Now for another calculation