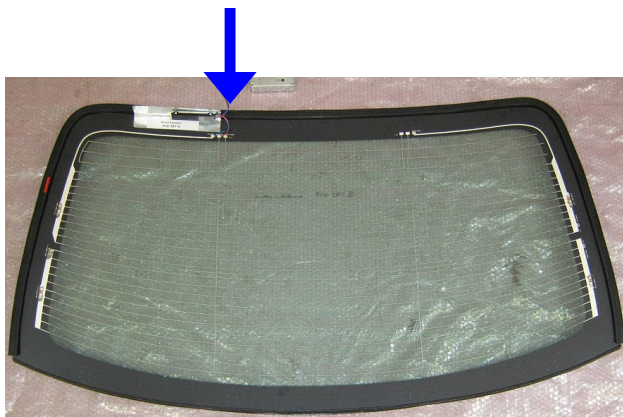


**920287B antenna variants  
significant differences 315**

## Differences

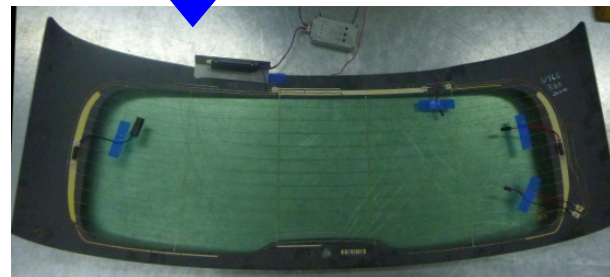
- Most significant difference is the shape of each backscreen variant
- Location of the antenna connection varies slightly



Ant\_01

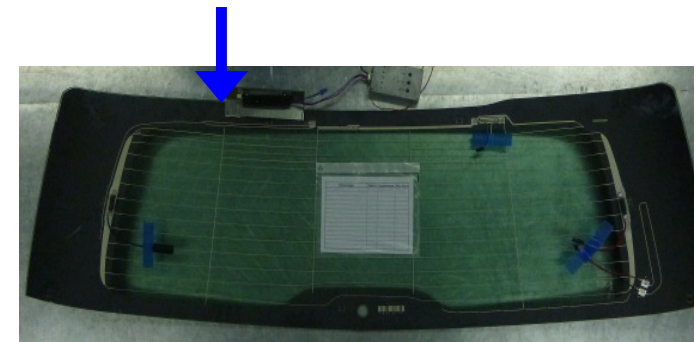
**already certified antenna**

Antenna connection



Ant\_02

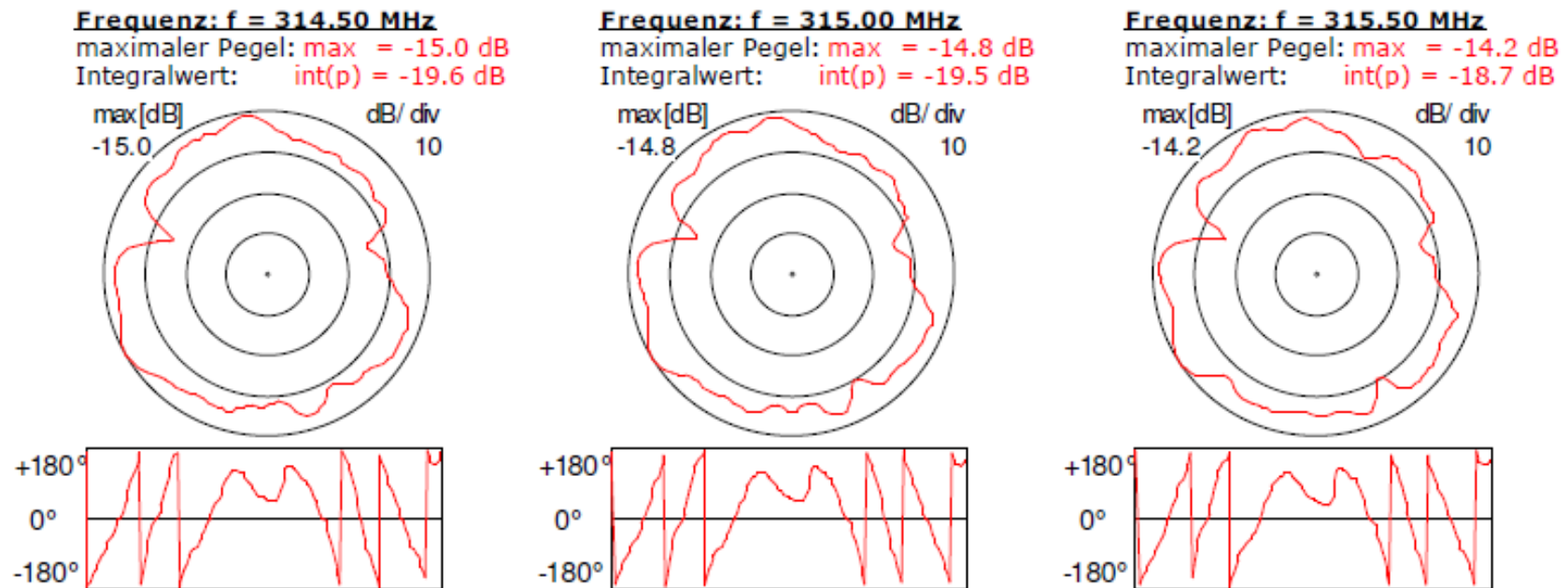
**to be certified**



Ant\_03

**to be certified**

## Antenna diagram 315 MHz horizontal polarisation Ant\_01 [dBi]



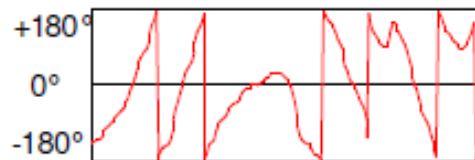
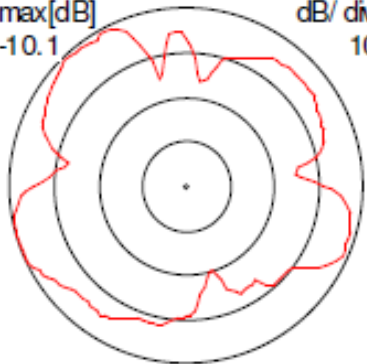
# Antenna diagram 315 MHz vertical polarisation Ant\_01 [dBi]

**Frequenz: f = 314.50 MHz**

maximaler Pegel: max = -10.1 dB

Integralwert: int(p) = -15.2 dB

max[dB]      dB/ div  
-10.1            10

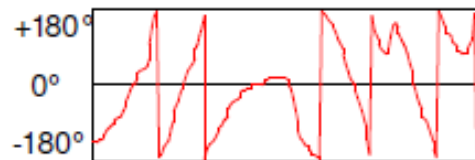
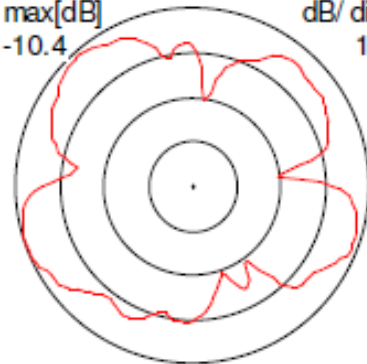


**Frequenz: f = 315.00 MHz**

maximaler Pegel: max = -10.4 dB

Integralwert: int(p) = -15.8 dB

max[dB]      dB/ div  
-10.4            10

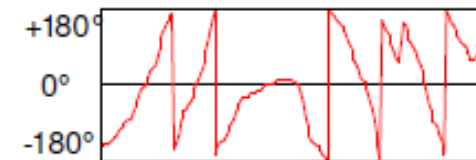
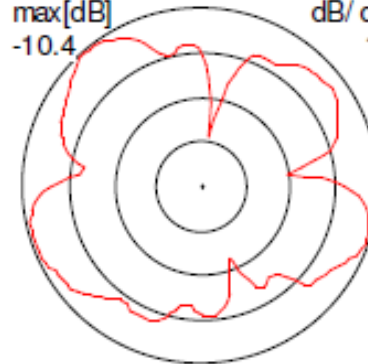


**Frequenz: f = 315.50 MHz**

maximaler Pegel: max = -10.4 dB

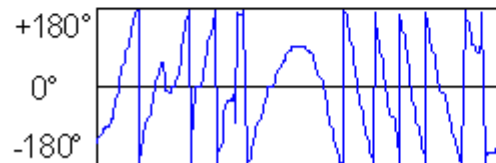
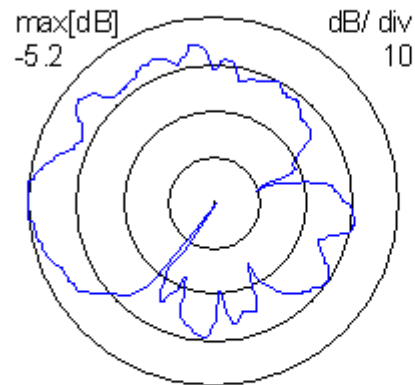
Integralwert: int(p) = -15.5 dB

max[dB]      dB/ div  
-10.4            10

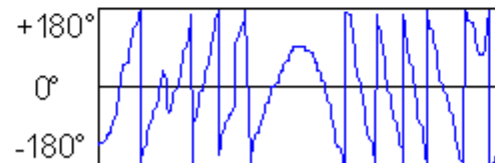
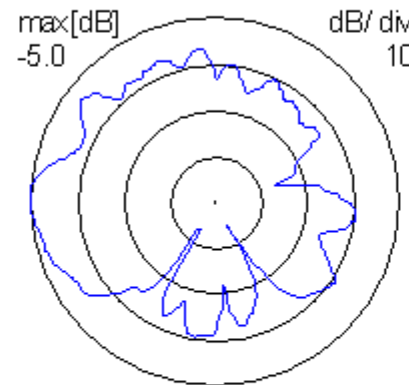


## Antenna diagram 315 MHz horizontal polarisation Ant\_02 [dBi]

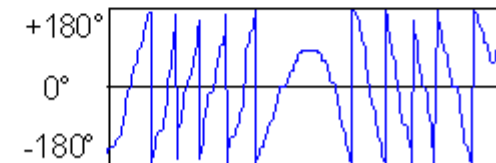
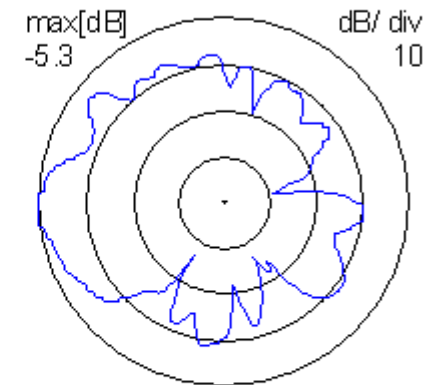
**Frequenz: f = 314.00 MHz**  
 maximaler Pegel:  $\max = -5.2 \text{ dB}$   
 Integralwert:  $\text{int}(p) = -12.9 \text{ dB}$



**Frequenz: f = 314.50 MHz**  
 maximaler Pegel:  $\max = -5.0 \text{ dB}$   
 Integralwert:  $\text{int}(p) = -13.0 \text{ dB}$



**Frequenz: f = 315.00 MHz**  
 maximaler Pegel:  $\max = -5.3 \text{ dB}$   
 Integralwert:  $\text{int}(p) = -13.1 \text{ dB}$

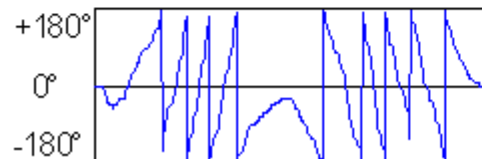
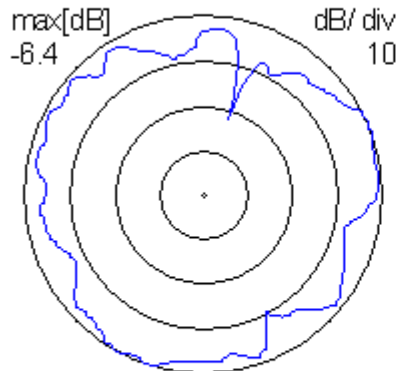


## Antenna diagram 315 MHz vertical polarisation Ant\_02 [dBi]

**Frequenz: f = 314.00 MHz**

maximaler Pegel: max = -6.4 dB

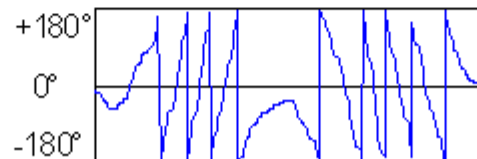
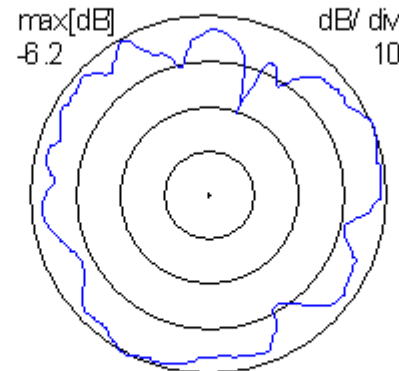
Integralwert: int(p) = -9.8 dB



**Frequenz: f = 314.50 MHz**

maximaler Pegel: max = -6.2 dB

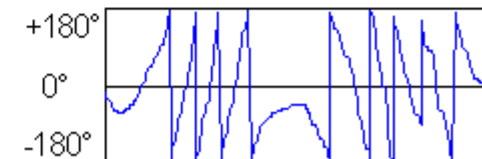
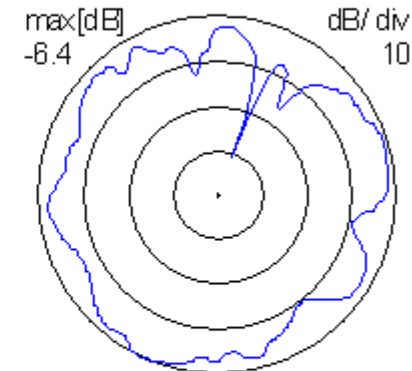
Integralwert: int(p) = -9.9 dB



**Frequenz: f = 315.00 MHz**

maximaler Pegel: max = -6.4 dB

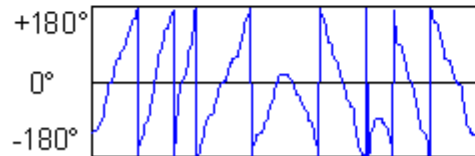
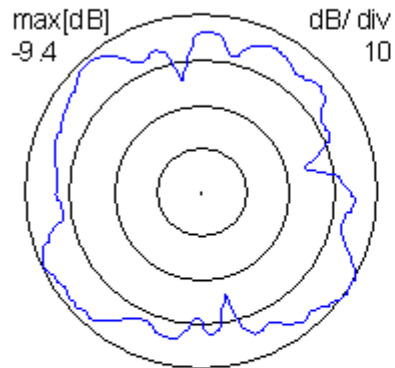
Integralwert: int(p) = -10.4 dB



# Antenna diagram 315 MHz horizontal polarisation Ant\_03 [dBi]

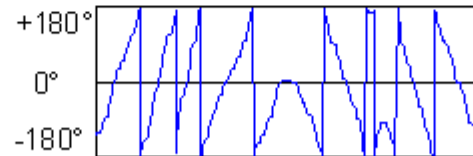
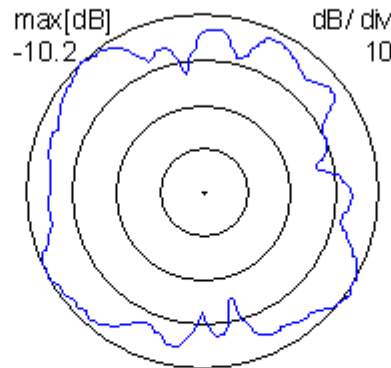
**Frequenz: f = 314.50 MHz**

maximaler Pegel: max = -9.4 dB  
Integralwert: int(p) = -14.2 dB



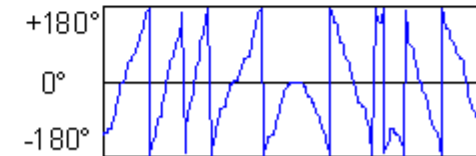
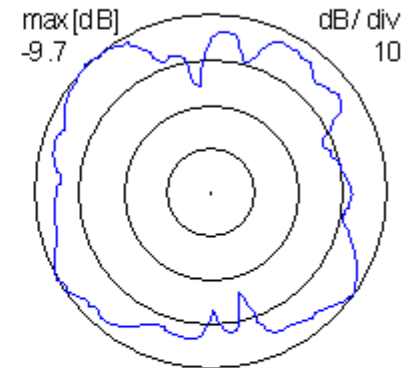
**Frequenz: f = 315.00 MHz**

maximaler Pegel: max = -10.2 dB  
Integralwert: int(p) = -14.2 dB



**Frequenz: f = 315.50 MHz**

maximaler Pegel: max = -9.7 dB  
Integralwert: int(p) = -14.0 dB

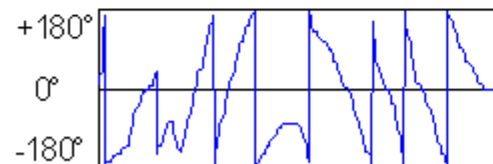
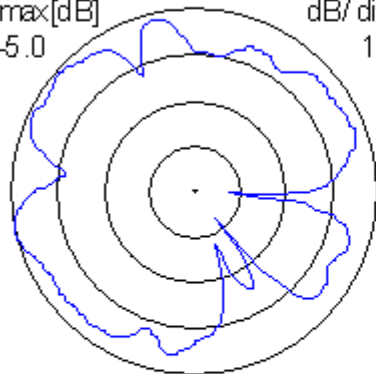


## Antenna diagram 315 MHz vertical polarisation Ant\_03 [dBi]

**Frequenz: f = 314.50 MHz**

maximaler Pegel:  $max = -5.0$  dB  
Integralwert:  $int(p) = -9.9$  dB

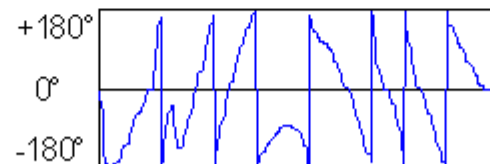
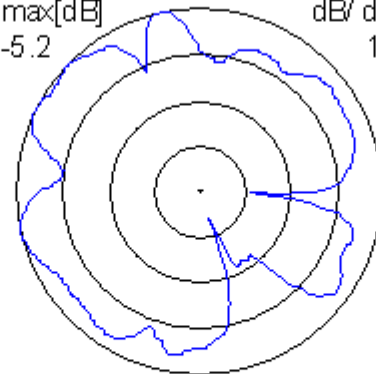
max[dB] -5.0      dB/div 10



**Frequenz: f = 315.00 MHz**

maximaler Pegel:  $max = -5.2$  dB  
Integralwert:  $int(p) = -9.8$  dB

max[dB] -5.2      dB/div 10



**Frequenz: f = 315.50 MHz**

maximaler Pegel:  $max = -4.8$  dB  
Integralwert:  $int(p) = -9.7$  dB

max[dB] -4.8      dB/div 10

