



Hella KGaA Hueck & Co.
59552 Lippstadt, Germany

Sample Documentation

Homologation BMW IDGNG1 (RID)
Document Revision 1.4

Project: IDGNG

Platform: XNF
MINI
MCV

2.5 Transceiver Antenna

The transceiver antenna is implemented as a loop made of copper at the border of the printed circuit board. The PCB loop is depicted in the following figure as a bright green line.

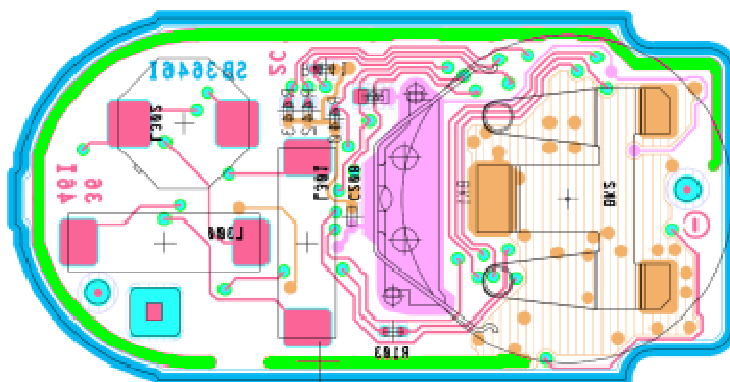


Figure 4: PCB Loop Antenna

The average antenna gain is approx. -17 dB for 434 MHz. The horizontal antenna radiation pattern is depicted below.

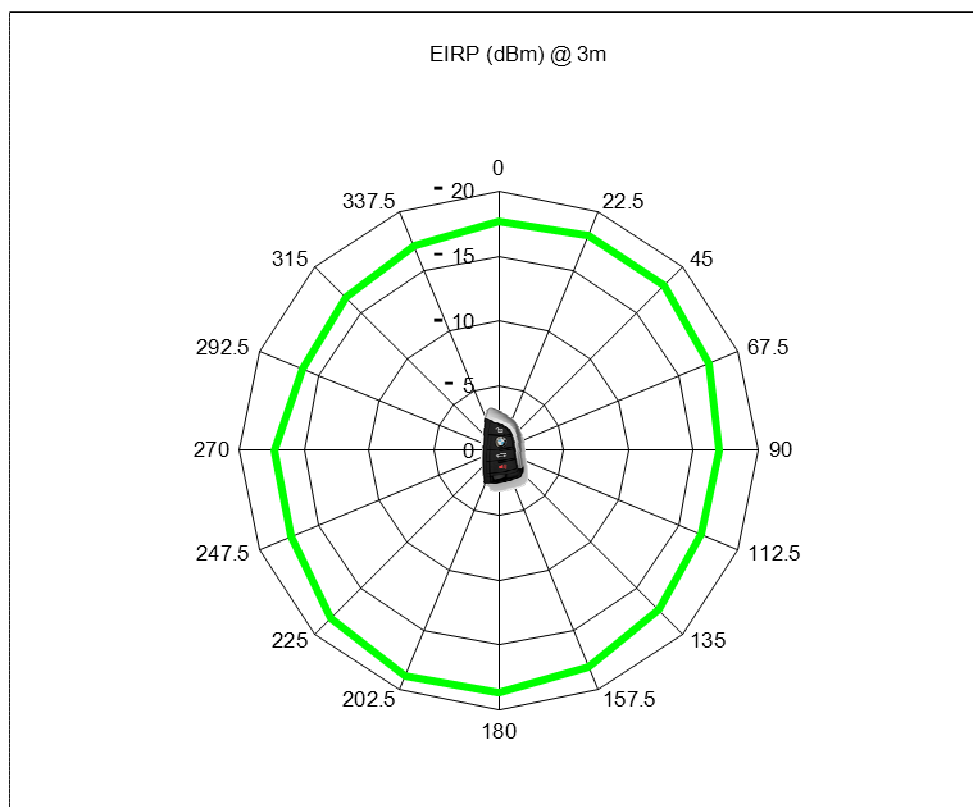


Figure 5: Horizontal radiation pattern 434 MHz antenna

Date:
2013-19-02

Processed:
E-B-D2-HW1 Kampa
E-B-D2-HW1 Von Mack

File:
BMW_IGDNG_SampleDoc_Homologation_RDW.pdf

Page 11 of 22