

RADSEN05 ANTENNA GAIN REPORT

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1. IDENTIFICATION

Company Name:	Abel Sensors
Address:	Noordeinde 30
Postal Code:	2611KH
City	Delft
Contact person	R. Bolijn
FCC ID:	2BN57-RADSEN05

2. RADAR TX-ANTENNA'S ON THE PCB

2.1. DIMENSIONS

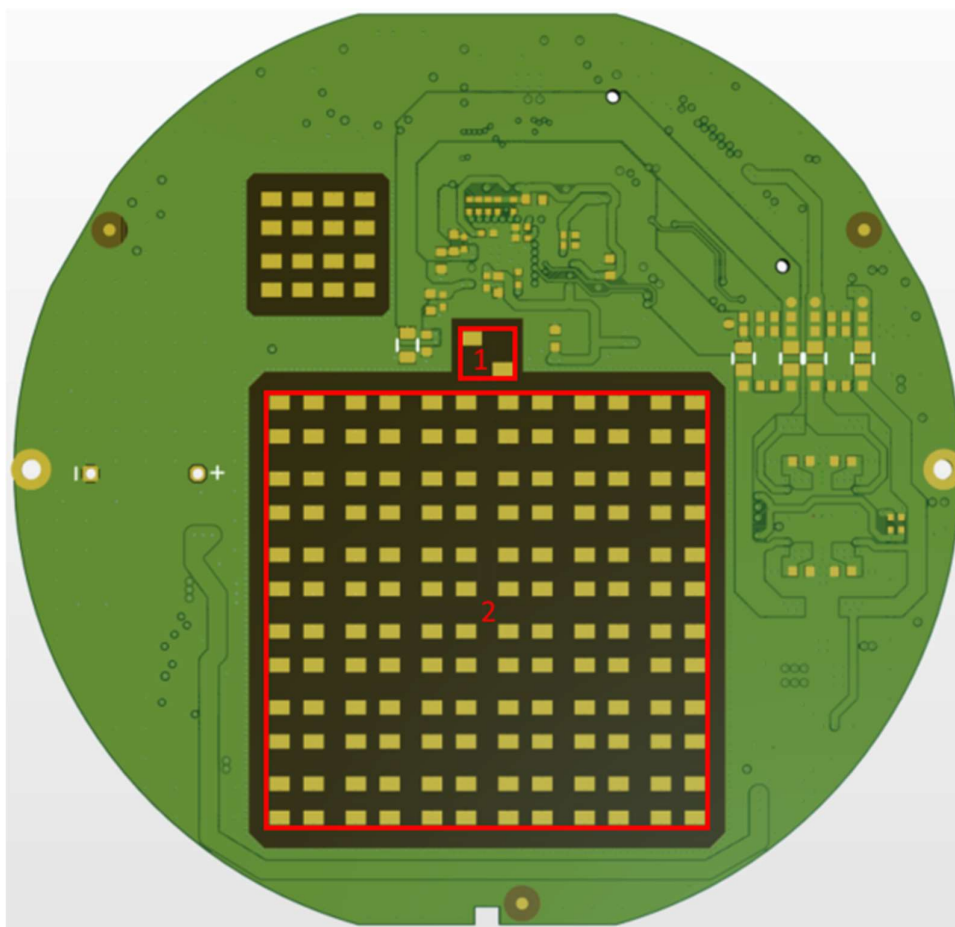
- Short range TX-Antenna: 4.3mm x 3.8mm
- Long range TX-Antenna: 36.5mm x 36.0mm

2.2. MATERIAL

- PCB material: ISOLA ASTRA MT77

2.3. LOCATION ON THE PCB

1. Short range TX-Antenna (small red rectangle)
2. Long range TX-Antenna (big red rectangle)



3. RADAR TX-ANTENNA GAIN (61.0-61.5GHZ)

Antenna:	TX power (dBm):	Peak EIRP (dBm):	Antenna gain (dBi):
Short range	12 ¹	21.74 ²	9.74
Long range	12 ¹	31.29 ³	19.29

1. Based on the datasheet of the used RADAR ASIC (TI IWR6843) the TX power coming from the RADAR ASIC is 12dBm.
2. Based on test report 24-1-0014701T009_TR1-R01
3. Based on test report 24-1-0014701T010_TR1-R01