



REGULATORY TESTING FROM START TO CERTIFICATE

Intro

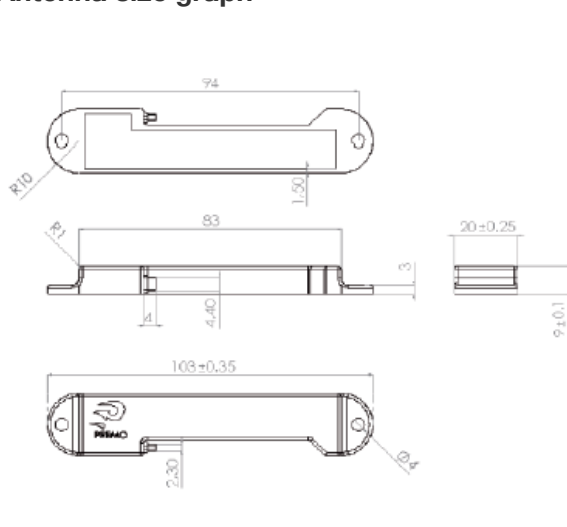
Antenna gain documentation required for all FCC Part 15 devices. Must provide either an antenna datasheet/ specification or a test report with gain measurements and plots. This Information cannot be held confidential. Additionally, proprietary information of the design itself can remain confidential in either the ‘ operational description’ or ‘schematic’.

Antenna specification:

1. **Company: Mernok**
2. **Antenna description**

Antenna type	125KHz RFID Antenna
Antenna manufacturer	Premo
Frequency range	125 KHz
Modulation	OOK
Antenna gain max (peak)	0dBm
Connector type	Uses a Phoenix Contact connector (Part number: 1552243)

3. Antenna size graph



4. VSWR



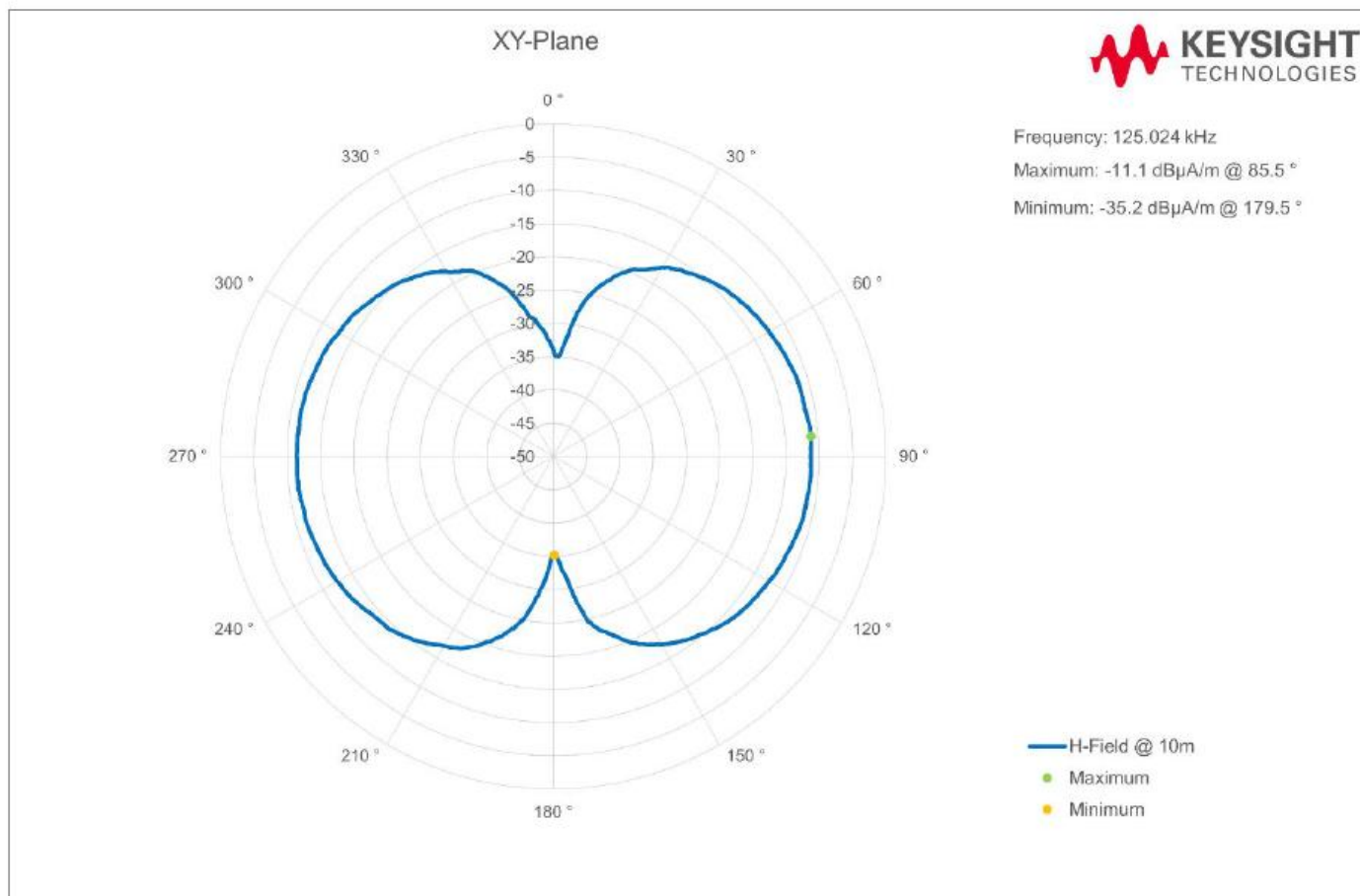
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5. Gain:

6.2. RESULTS

Table 6: Radiated H-field Results

Plane	Peak H-Field (dB μ A/m @ 10m)	Average H-Field (dB μ A/m @ 10m)
XY	-11.1	-16.9
XZ	-11.1	-17.0
YZ	-30.7	-32.0





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