KY-LOC 1D.02.03 Antenna Description

Document Status

<table>
<tr><td>Doc - ID</td><td></td><td colspan="3">Doc.- No.: KY.REP.0436
Version: 1.0</td></tr>
<tr><td rowspan="11">Document Status</td><td></td><td colspan="3">Draft</td></tr>
<tr><td>X</td><td colspan="3">Finished</td></tr>
<tr><td rowspan="2"></td><td colspan="2">Name / Function</td></tr>
<tr><td>Date</td><td>Signature</td></tr>
<tr><td rowspan="2">Document prepared by</td><td colspan="2">Elefsiniotis, Molzberger / Technical Team</td></tr>
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<tr><td>28.08.2023</td><td>  </td></tr>
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<tr><td>28.08.2023</td><td>  </td></tr>
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Documents Cancellation Notification:

The following documents/versions are cancelled and no longer valid with the release of this document/version.

Doc Number	Version	Name

Document Change Details

Change			Changed Chapters	Description of Change
No.	Date	Version		
1	28.08.2023	1.0	All	Initial Version

Reference Documents

Siglum	Doc Number	Version	Title
RD1			
RD2			
RD3			
RD4			
RD5			

*Appropriate version to be obtained from supplier

1 General Information

1.1 Antenna

The device has 3 TX and 4 RX patch antennas as shown in Figure 1. From the 3 TX Antennas only TX1 or TX2 or TX3 or the combination of TX1 and TX3 is used.

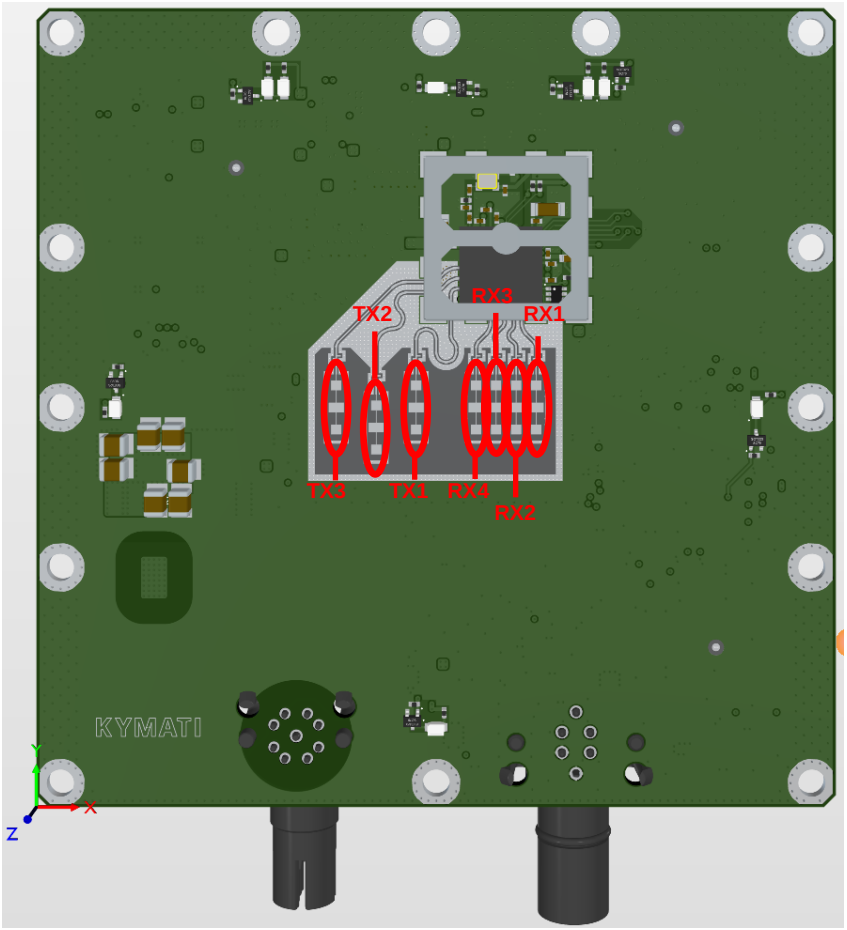

Figure 1: Patch Antennae

The following pictures shows the antenna pattern for TX1 to TX3 antenna and the combination off TX1 and TX3.

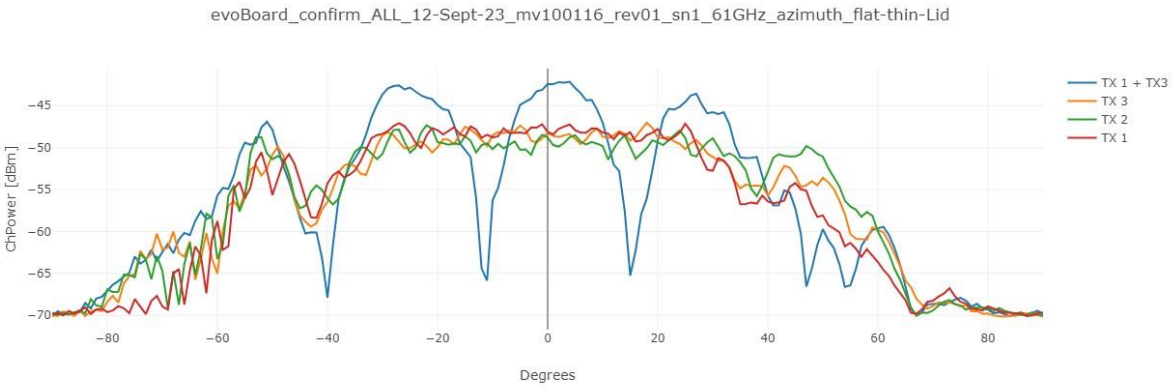

Figure 2: Azimuth Antenna Pattern

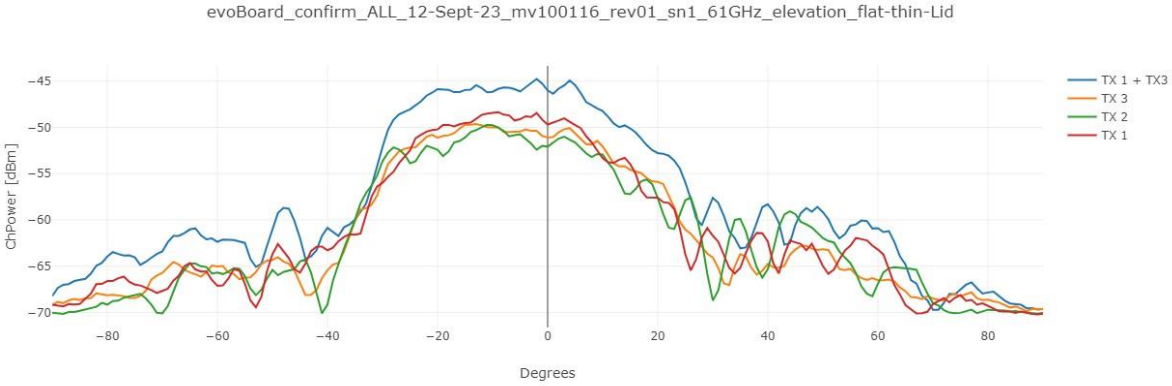

Figure 3: Elevation Antenna Pattern

1.2 Antenna Gain

All antennae have a gain of 7 dBi based on measurements.