

X4F103 Directional Antenna

TX Details

Antenna Datasheet By Novelda AS

Revision 1.0

12.12.22



Table of contents

| | |
|---|----------|
| 1TX Antenna Characteristics..... | 3 |
| 2Document History | 6 |



1 TX Antenna Characteristics

| Characteristic | |
|-------------------------|---|
| Antenna Type | Directional Patch |
| PCB Revision | 1.3 |
| Dimensions | 12.00 x 12.00 x 2.26 mm (PCB with solder balls) |
| Gain | -0.27 dBi |
| Center frequency | 7.5 GHz |
| Nominal -10dB bandwidth | 2.2 GHz |
| Input impedance | 100 Ω differential |
| Polarization | Linear |

Top view:



Bottom view:



**the whole back
side of the
module's PCB is
the antenna**

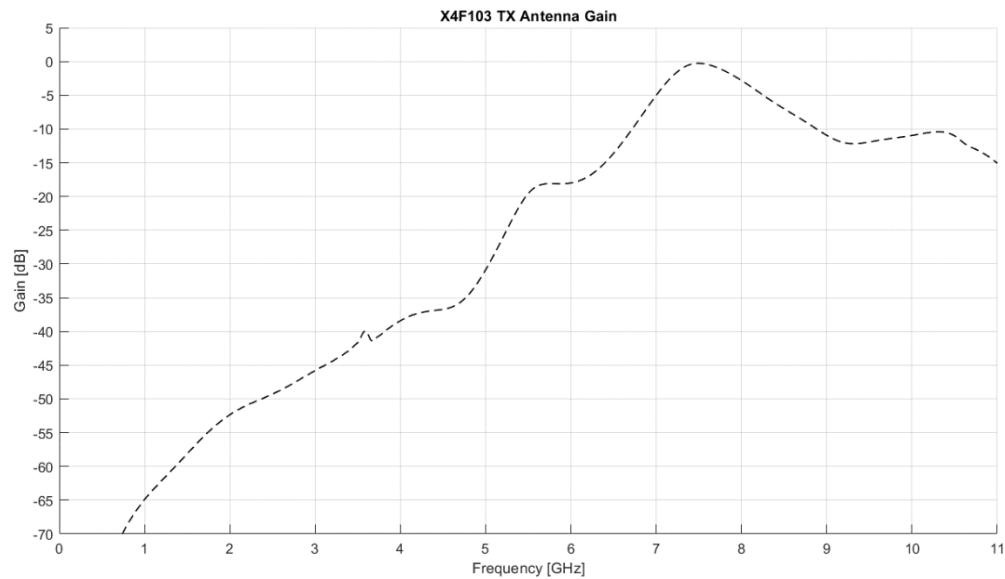


Figure 1. X4F103 boresight gain

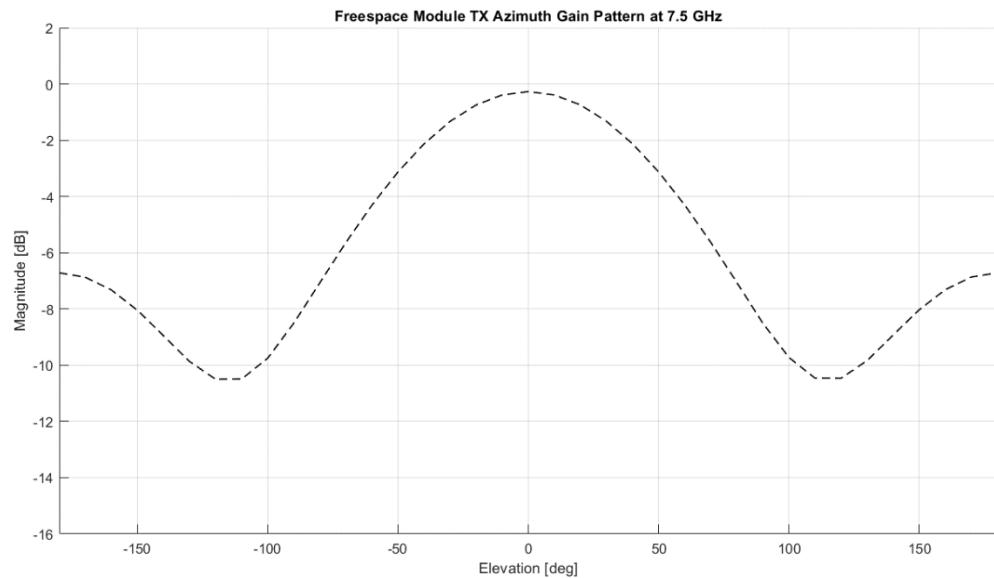


Figure 2. X4F103 TX azimuth gain.

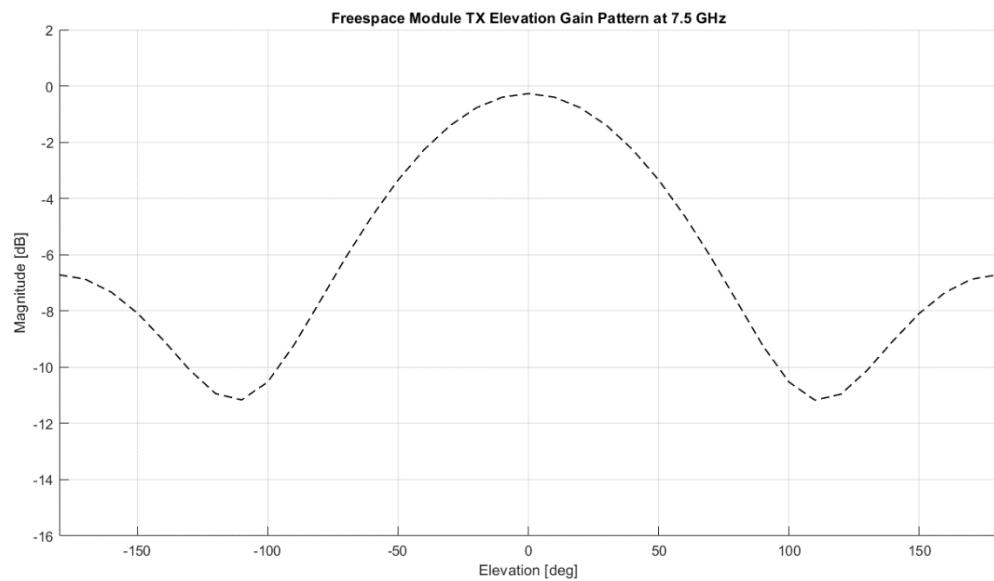


Figure 3. X4F103 TX elevation gain.



2 Document History

Revision Approved By Release Date Changes