



Sensor Pattern

20250516 – 1537



16.05.2025 – 15 : 37



76297 Stutensee (D)



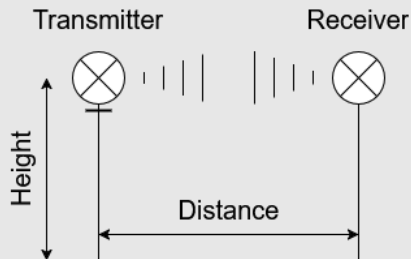
<http://www.wellenzahl.de>



info@wellenzahl.de

Description

For the measurement, two sensors are mounted at the same height on individual monopods. One sensor is statically installed as the receiver, while the second sensor, which is under test, functions as the transmitter and can rotate around the monopod axis using a turntable. Different lenses can be attached to the sensors for beam shaping. The transmitter should be aligned with the main beam direction of the receiver, and the zero position of the turntable should be oriented toward the receiver.



General

Logname:	20250516-1537
Date:	16.05.2025-15:37
Tester:	Robert Reinhardt

Test Environment

Temperature:	24.0 °C
Humidity:	25.0 %
Distance:	220.0 cm
Height:	120.0 cm

Configuration

Transmitter, Device under Test

Hardware:	TI IWRL6432AOPEVM Tx0
Software:	rfeval
Lens:	WZ PLA H090
Serial Number:	-

Receiver

Hardware:	RAPID v3_21t_wr10_EBG
Software:	l552
Lens:	Turned Lens
Serial Number:	-

Settings

Measured Plane:	E-Plane
Target IF:	300.0 kHz
Warmup Time:	300 s
Measurements per Point, Pattern:	35
Measurements per Point, Noise:	5
Angle Start:	-90.0°
Angle Stop:	90.0°
Angle Step:	0.5°

Measurement: 60000 MHz

Minimal IF:	297 kHz
Maximal IF:	315 kHz
Average IF:	306 kHz
Mainbeam Amplitude:	105.03 dB
Mainbeam Angle:	-5.0°
3dB Beamwidth:	11.5°
60° Sidelobes below -39.0 dB:	false

