

Antenna Datasheet

1. General Information

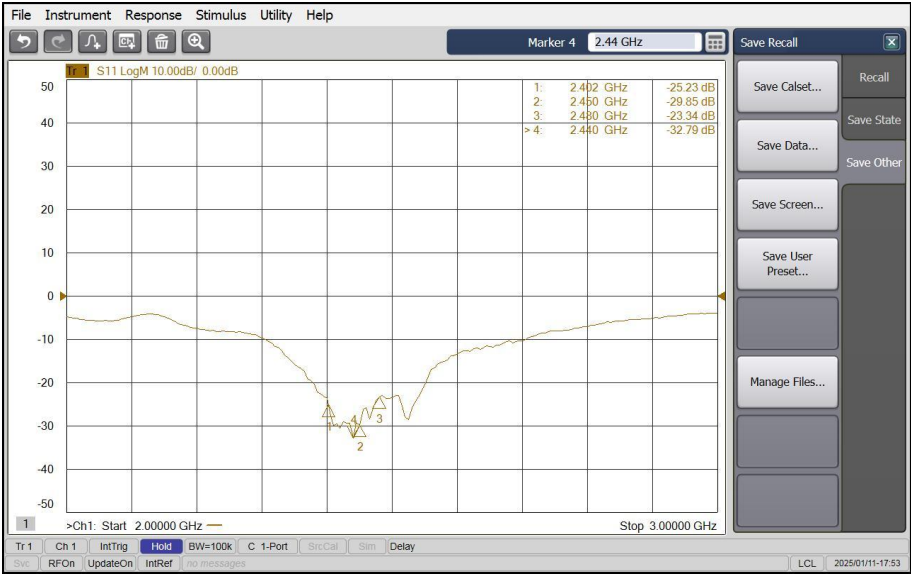
Manufacturer	Senso4s d.o.o., Motnica 7, 1236 Trzin, Slovenia
Model Number	PCB IFA
Antenna Type	PCB Antenna
Frequency Range	2402 ~ 2480 MHz
Datasheet Date	15-Jan-25

2. Max. Peak Antenna Gain

Test Frequency (MHz)	Max. Peak Antenna Gain (dBi)
2402	3.98
2450	3.28
2480	3.74

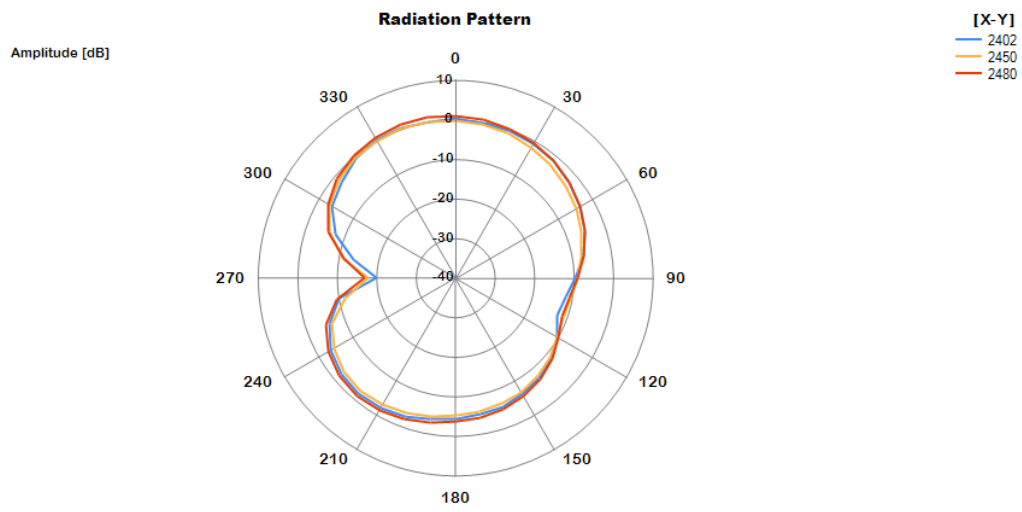
3. Return Loss

Test Frequency (MHz)	Return Loss (dB)
2402	-25.23
2450	-29.85
2480	-23.34

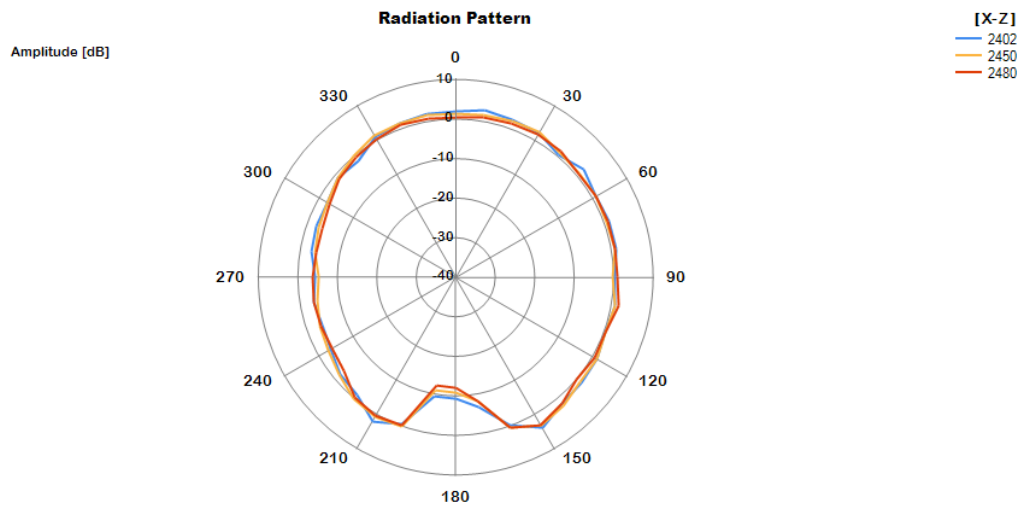


4. Antenna Radiation Pattern

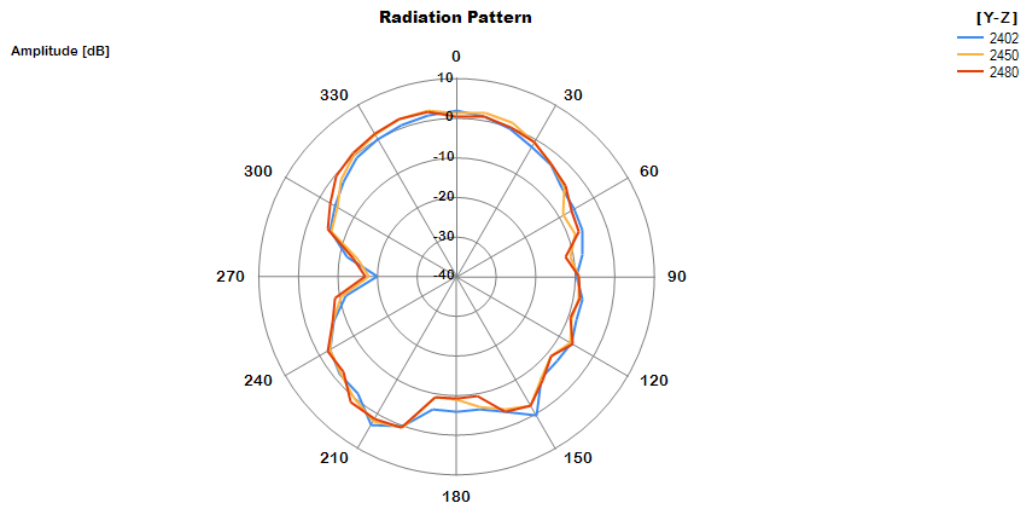
X - Y Plane



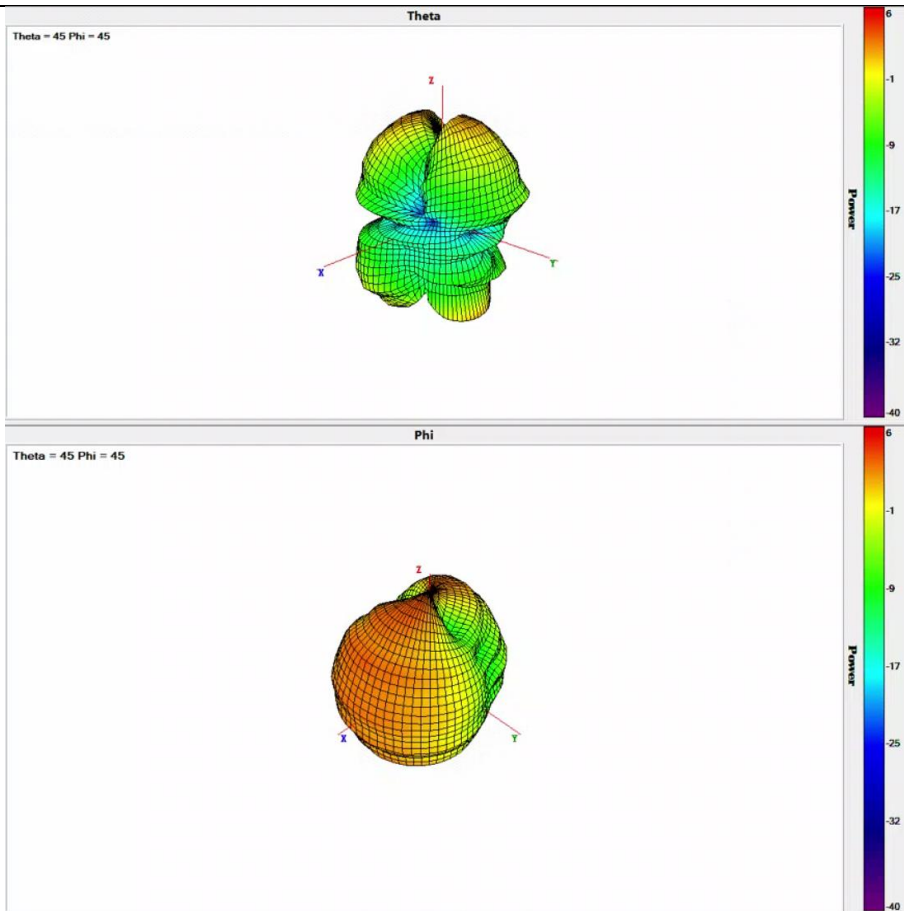
X - Z Plane



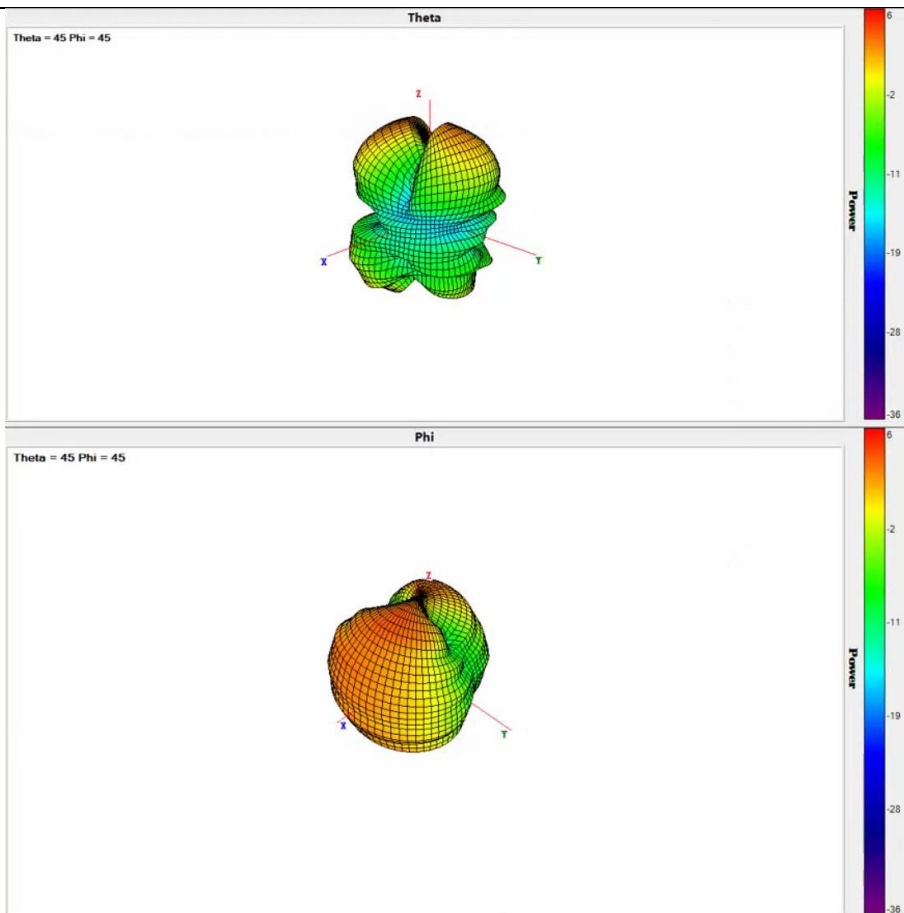
Y - Z Plane



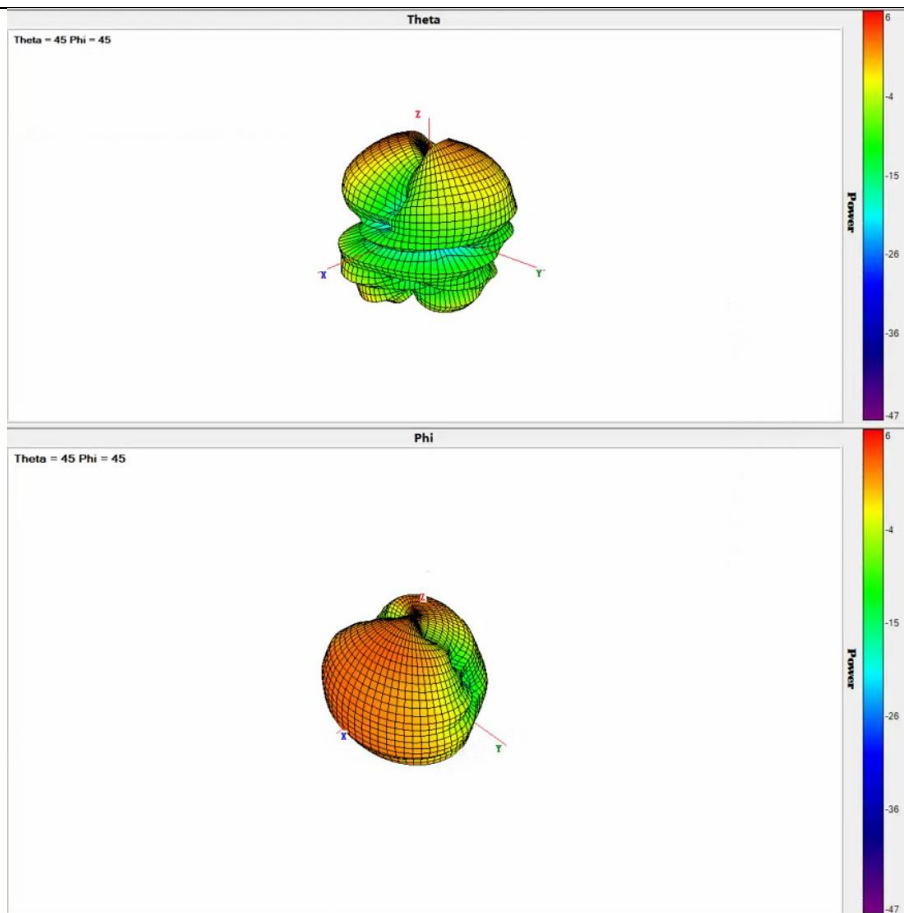
3D Radiation Pattern - 2402 MHz



3D Radiation Pattern - 2450 MHz



3D Radiation Pattern - 2480 MHz



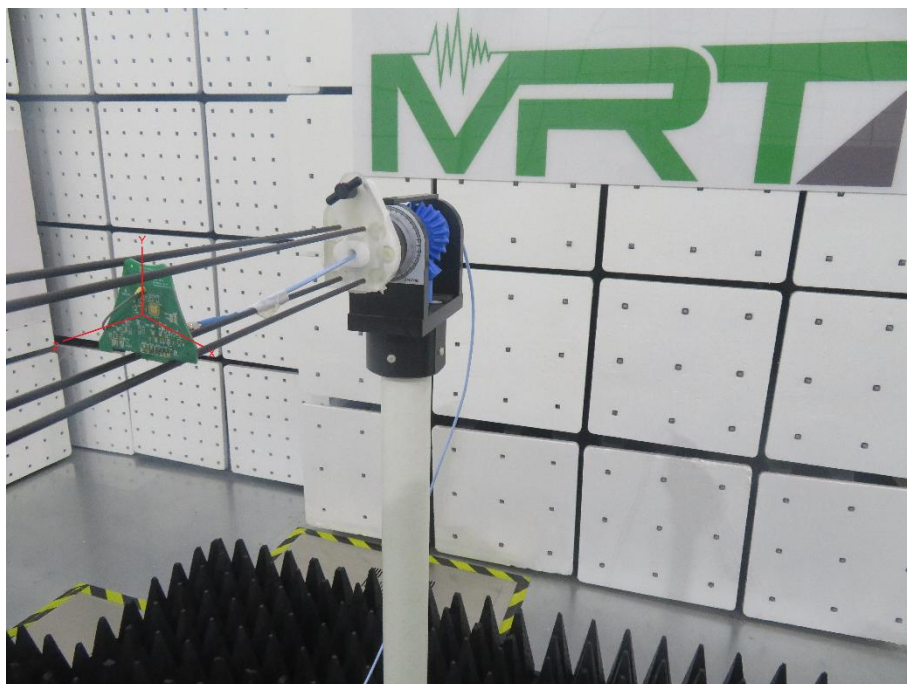
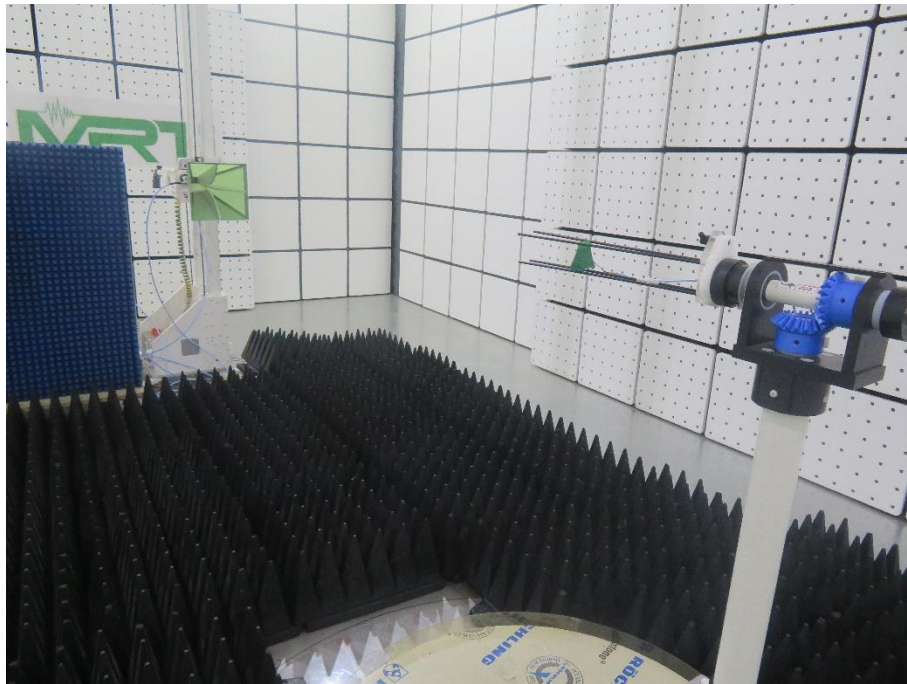
5. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
PNA-L Microwave Network Analyzer	Keysight	N5234B	MRTSUE06454	1 year	2025/5/8	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE11255	1 year	2025/7/30	SIP-AC3
Dual Polarised Broadband Horn Antenna	Schwarzbeck	BBHX 9120 E	MRTSUE07195	1 year	2025/6/5	SIP-AC3
Positioning Controller	MaxFull	MF-7802	MRTSUE07209	/	/	SIP-AC3
RF Switch	WAVECO SOLUTION	TM-02T18MC	MRTSUE07210	/	/	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	/	/	SIP-AC3
OTA Measurement Turntable	MaxFull	3DGCC-Theta/Phi	MRTSUE07211	/	/	SIP-AC3

Software	Version	Function
RP 3D	V 1.0.3.8.5	OTA
RP 3D Viewer	V 1.0.1.7	OTA

6. Test Setup Photograph

Description: Antenna Pattern Test Setup



7. Antenna Photograph

