

18-May-23

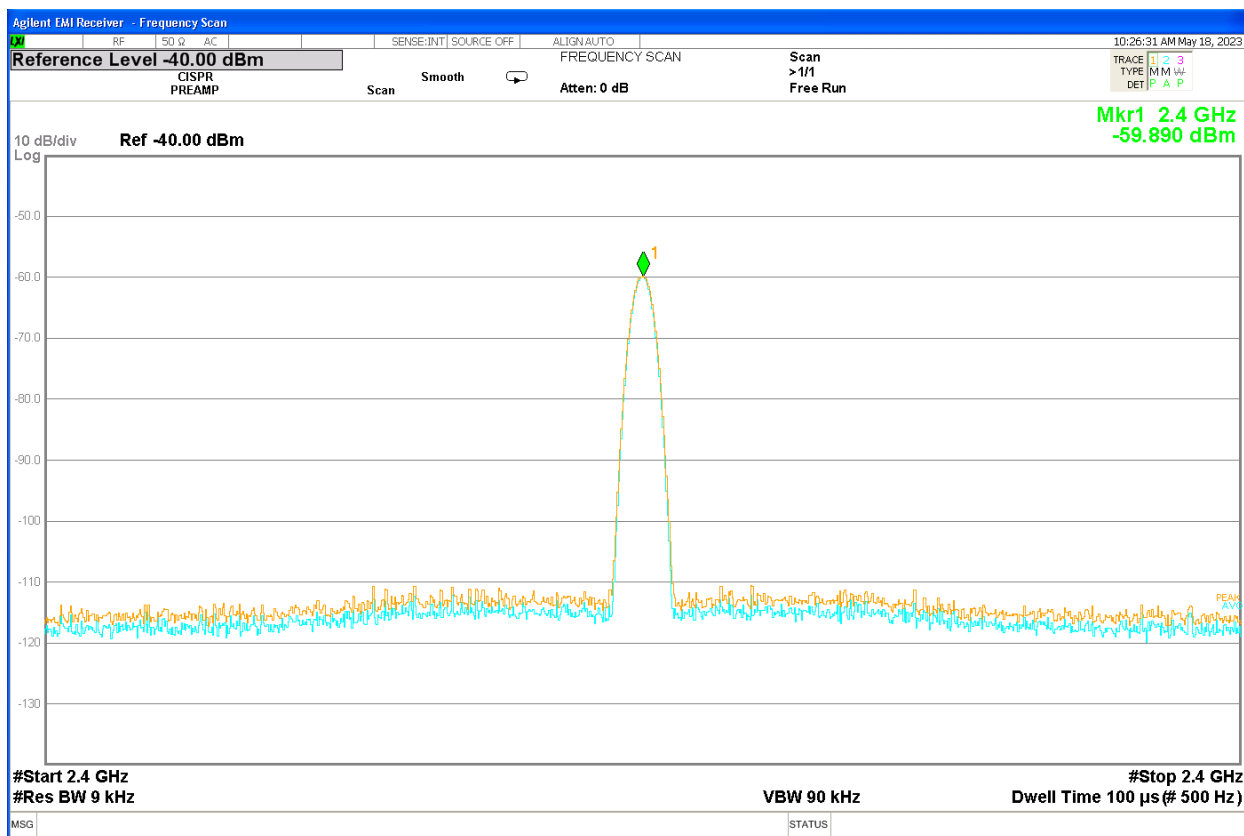
Tested by: Eng. Vitaly Nazarov

Date	18.05.23
Temp	22°
Humidity	46%
Atm. pressure	1006 mbar

Test	Antenna Gain
Test method	Substitution
Project No	7212322306
Company	Theranica
EUT	Antenna MIFA on PCB

Reference Horn Antenna SII3117 s/n 139055

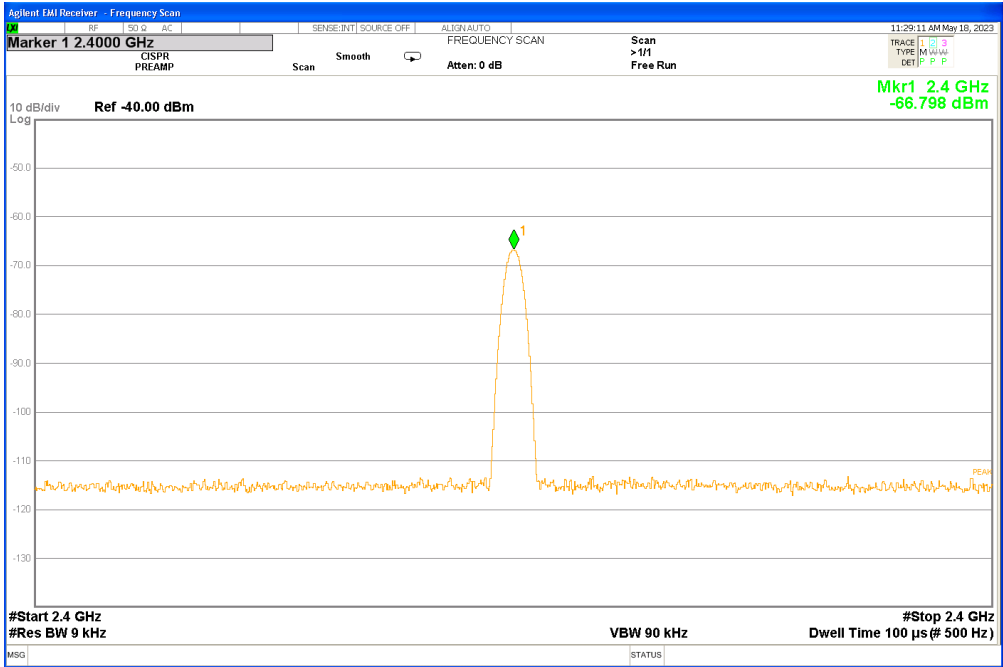
Freq	Gain	Generator	Rad. Meas
GHz	dBi	dBm	dBm
2.4	5.76	-10	-59.89



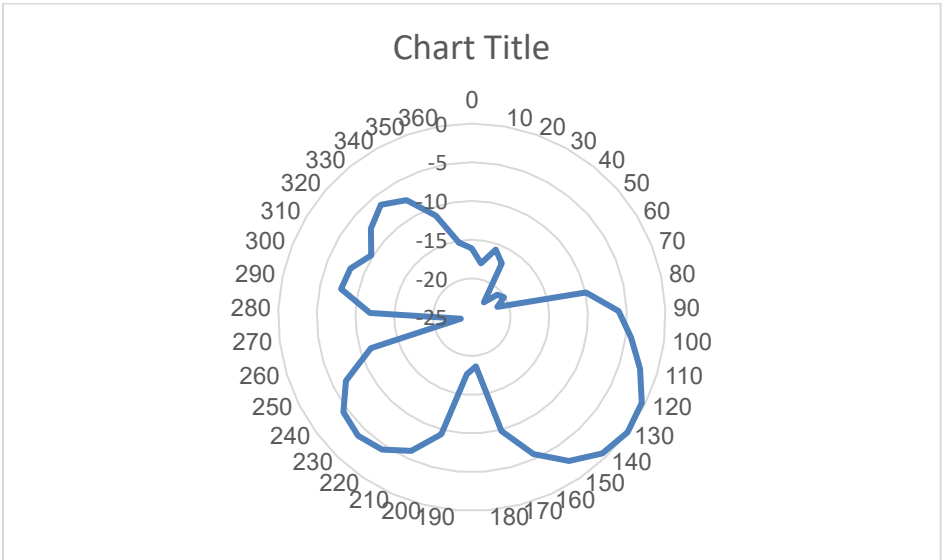
Double Ridged Waveguide Antenna 1-18 GHz	ETS Lindgren	3117	00139055	08/21	08/23
MXG Analog Microwave Signal generator 100 KHz - 40 GHz	Agilent	N5183A	MY50141773	12/22	12/23
EMI RECEIVER-MXE 20Hz-26.5 GHz	Keysight	N9038A	MY52130048	12/22	12/23

Tested Antenna
Antenna MIFA on PCB printed
Manufacturer: Cypress

Freq	Gain	Polarization	Generator	Rad. Meas
GHz	dBi	-	dBm	dBm
2.4	-1.148	H	-10	-66.798

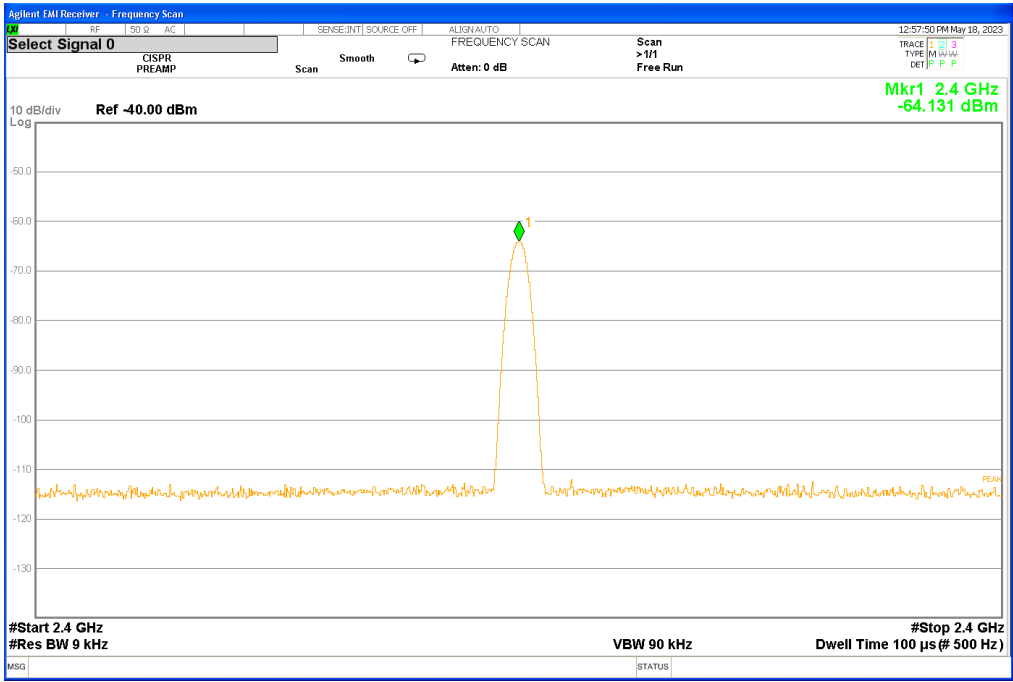


Gain measurements results

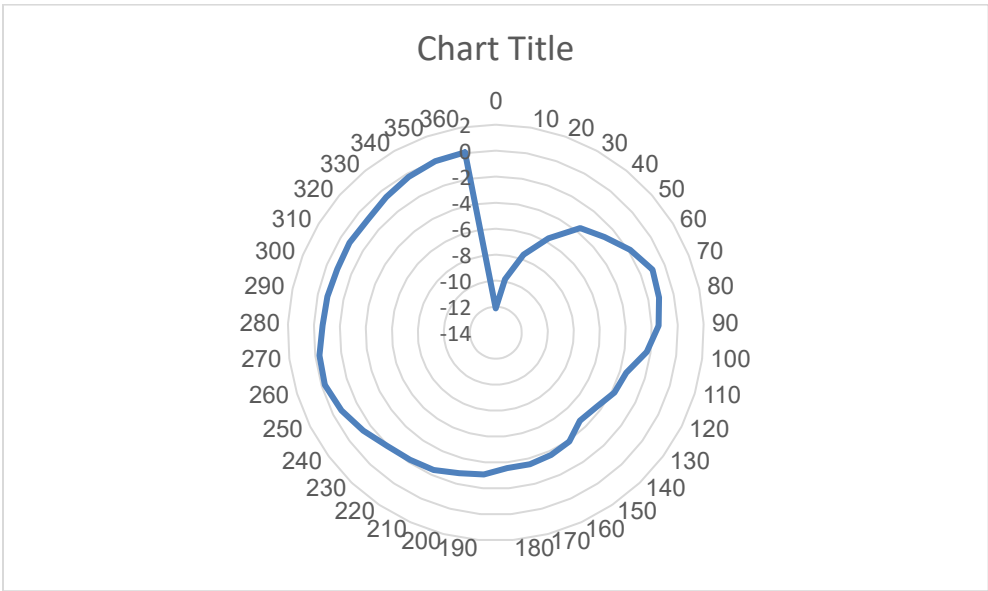


Antenna radiation pattern

Freq	Gain	Polarization	Generator	Rad. Meas
GHz	dBi	-	dBm	dBm
2.4	1.5	V	-10	-64.131



Gain measurements results



Antenna radiation pattern