PAGE 1/5	ISSUE 01-04-21A	SERIES ANTENNA	LEICA GEOSYSTEMS PART NUMBER 877520

ELECTRICAL CHARACTERISTICS

Frequency :	**2.4-2.485**	GHz
Nominal Impedance :	**50**	Ω
VSWR :	**2.5:1**	Max.
Gain (Overall Gain with filter losses) :	**0±1**	dBi
Antenna Peak Gain :	**<1**	dBi
Stand Alone, Out-of-Band Filter Rejection [(1)] :		
100 -2300 MHz	**35**	dB min
2300 – 2375 MHz	**43**	dB min
2505 -2620 MHz	**35**	dB min
2620-7500 MHz	**36**	dB min
Out of band Antenna Gain (see curves)	**-25**	dBi
Polarization :	**LINEAR VERTICAL**	
Radiation Pattern :	**OMNIDIRECTIONAL**	
Power withstanding :	**28**	dBm
Connector Type :	**KEY CODE**	

MECHANICAL CHARACTERISTICS

Radome material :	**POLYCARBONATE**	
Color :	**Jet Black RAL 9005**	
Weight :	**22**	g
Dimensions : (Length, Width, Height)	**141.2 x 21.5 x 19.6**	mm

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	**-20/+50**	° C
Storage temperature :	**-40/+70**	° C
Ingress Protection	**Sealed connector (up to 0.5 Bar)**	
RoHS & REACH	**See radiall.com/rohs**	
WEEE	**N/A**	

ELECTRICAL DATA

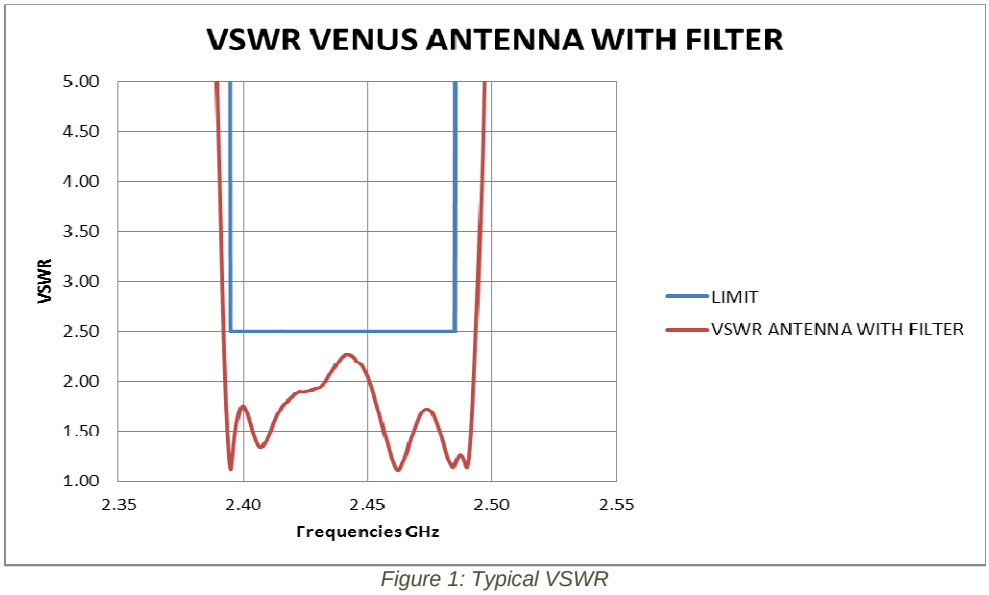

Figure 1: Typical VSWR

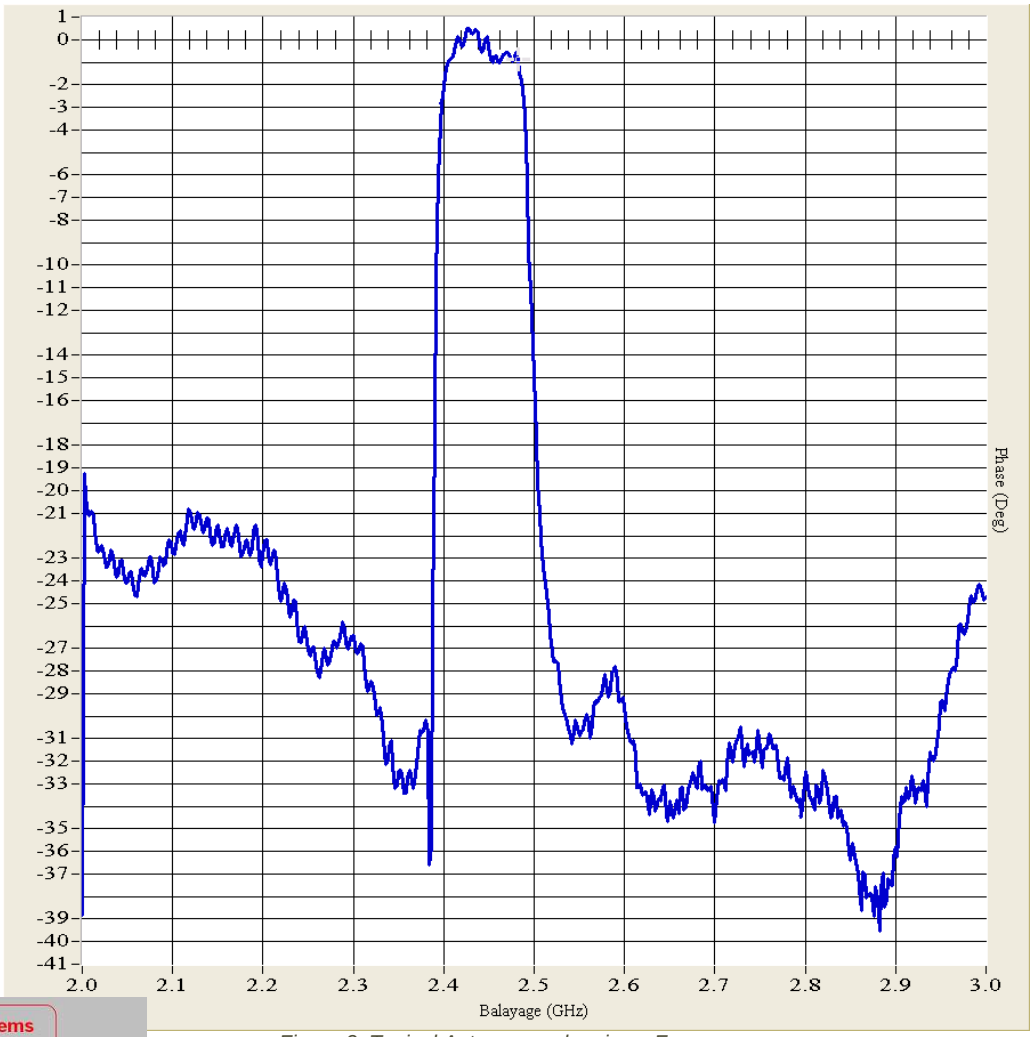

Figure 2: Typical Antenna peak gain vs Frequency

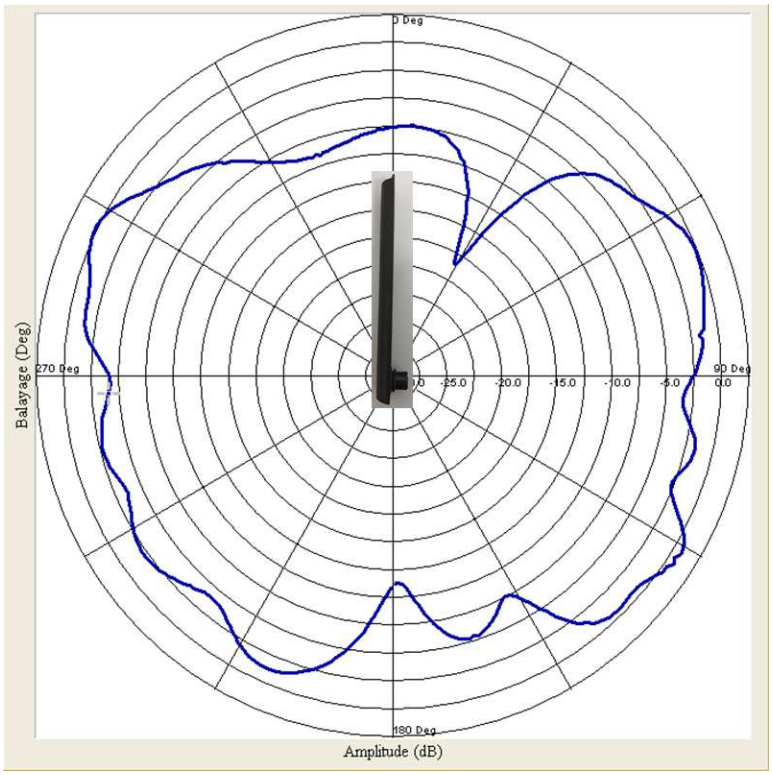

Figure 3: Typical Radiation Pattern in Elevation Plane at 2400 MHz (dBi plot)

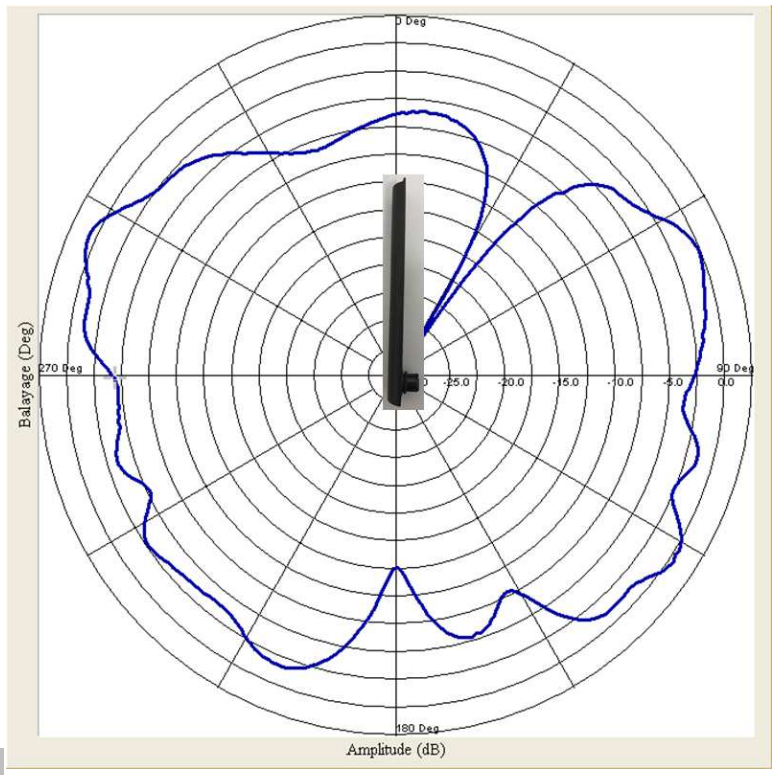

Figure 4: Typical Radiation Pattern in Elevation Plane at 2450 MHz (dBi plot)

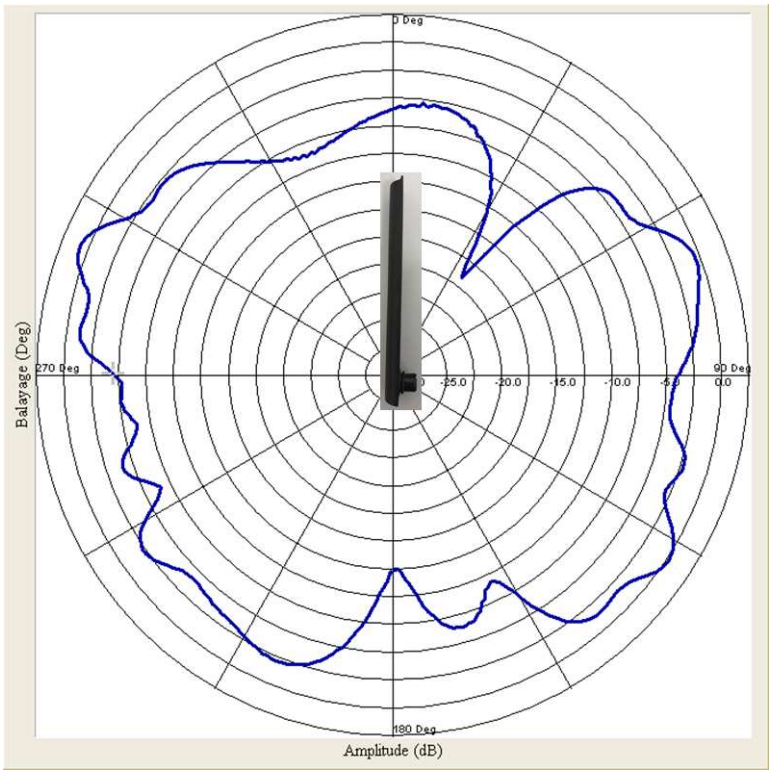

Figure 5: Typical Radiation Pattern in Elevation Plane at 2485 MHz (dBi plot)