

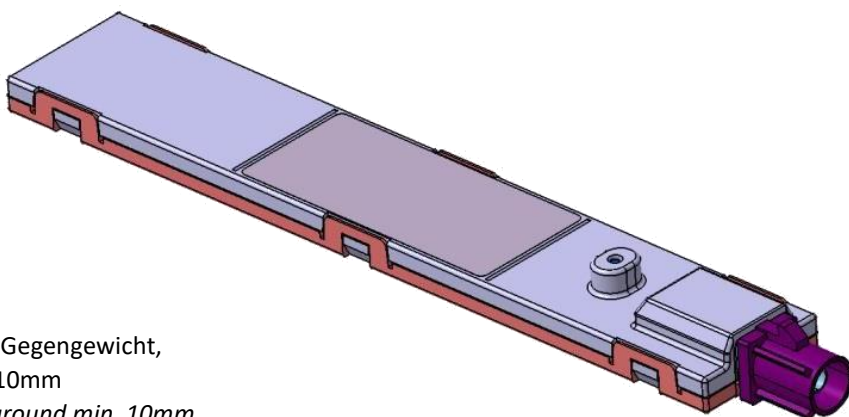
Datenblatt

Datasheet

5G-Ecall/Blade Antenne *5G-Ecall/Blade Antenna*

Molex CVS P/N: 6_40_18
VW/Audi: 4M0.035.504.A

5G weltweit
5G worldwide



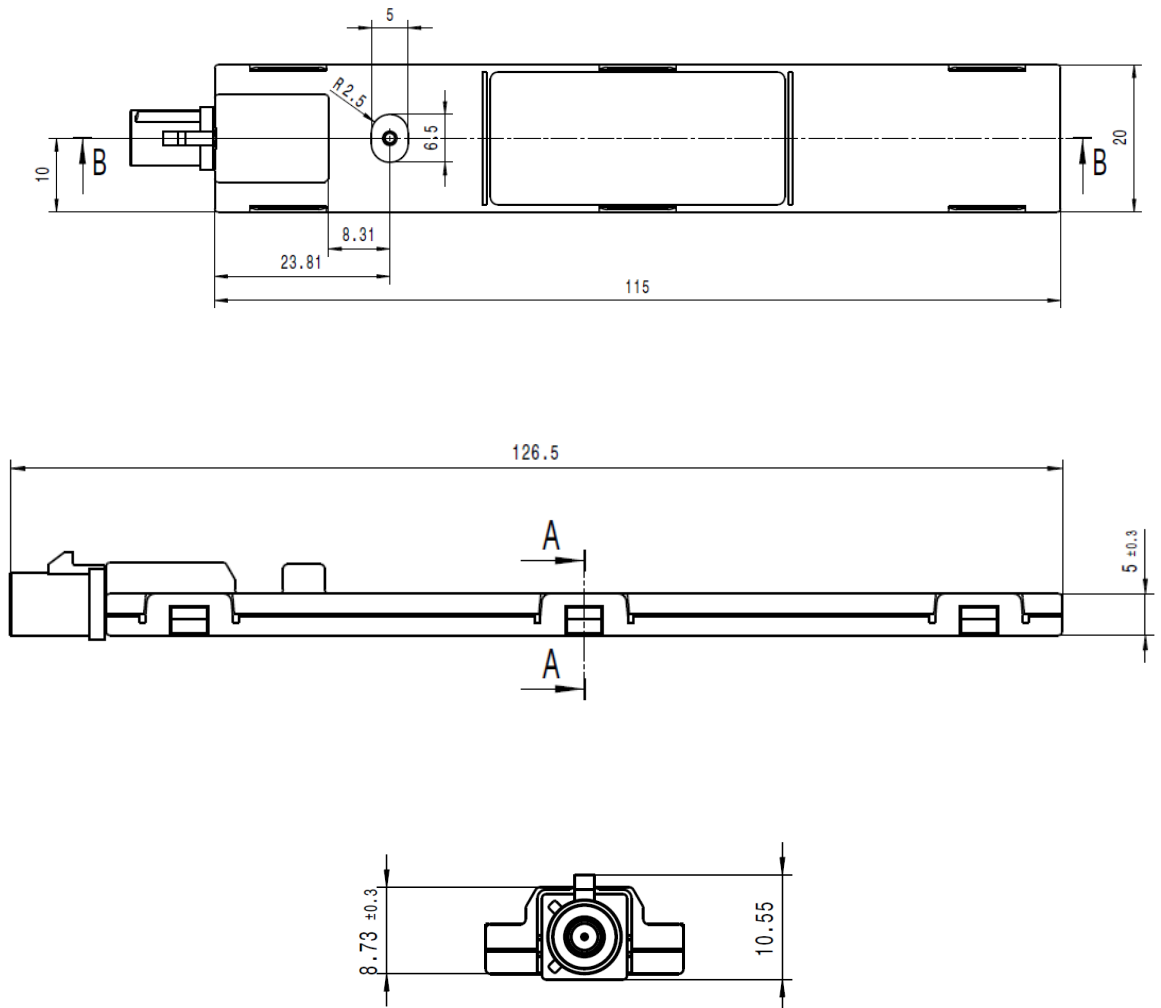
- Montage ohne elektrischem Gegengewicht,
Mindestabstand zur Masse 10mm
- *free air mount, distance to ground min. 10mm*

Änderungen vorbehalten / *Subject to alterations*

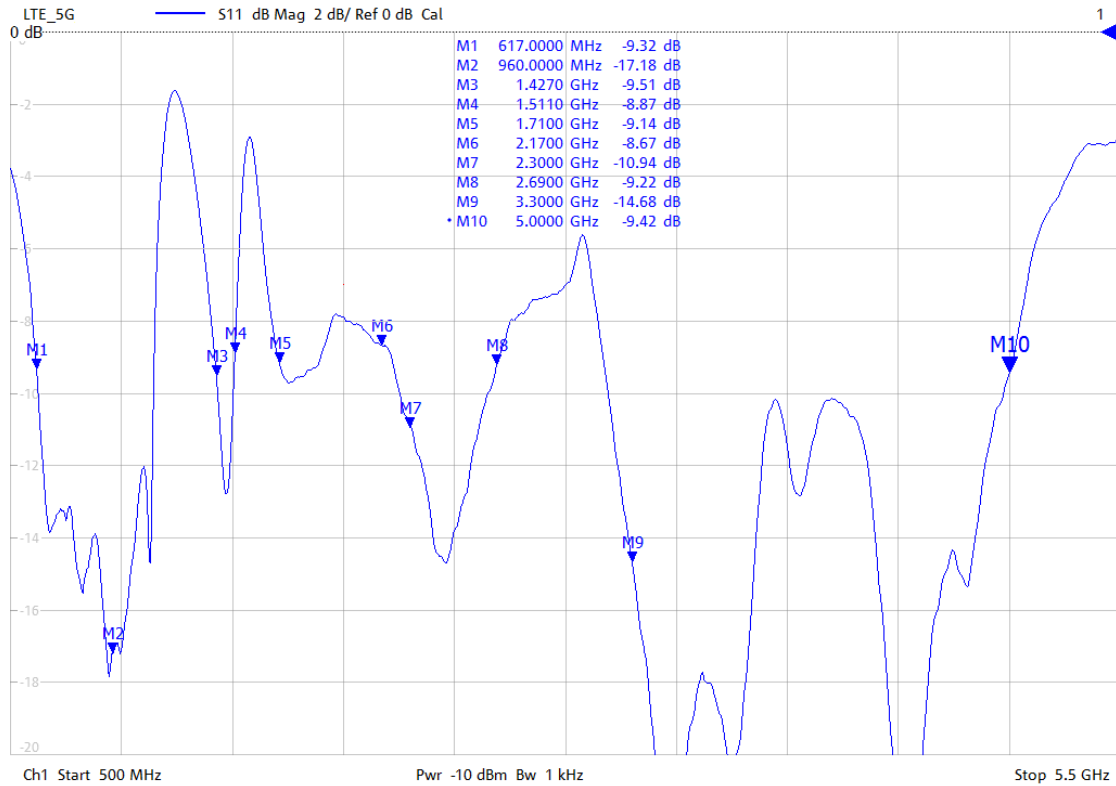
Technische Daten / *Technical Data*

Frequenzbereich / <i>Frequency Range</i>	617 – 5000 MHz
Impedanz / <i>Impedance</i>	50Ω
Gewinn / <i>Gain</i>	0,6dB
Max. Gewinn / <i>Peak Gain</i>	3,7dBi
Belastbarkeit / <i>Max. Power</i>	10W gepulst / <i>pulsed</i>
Dimensionen der Antenne / <i>Dimensions of Antenna</i>	126,50 x 20,00 x 10,55mm
Anschluss / <i>Connector</i>	Fakra Kodierung A / <i>code A</i>

Mechanische Zeichnungen / Mechanical Drawings

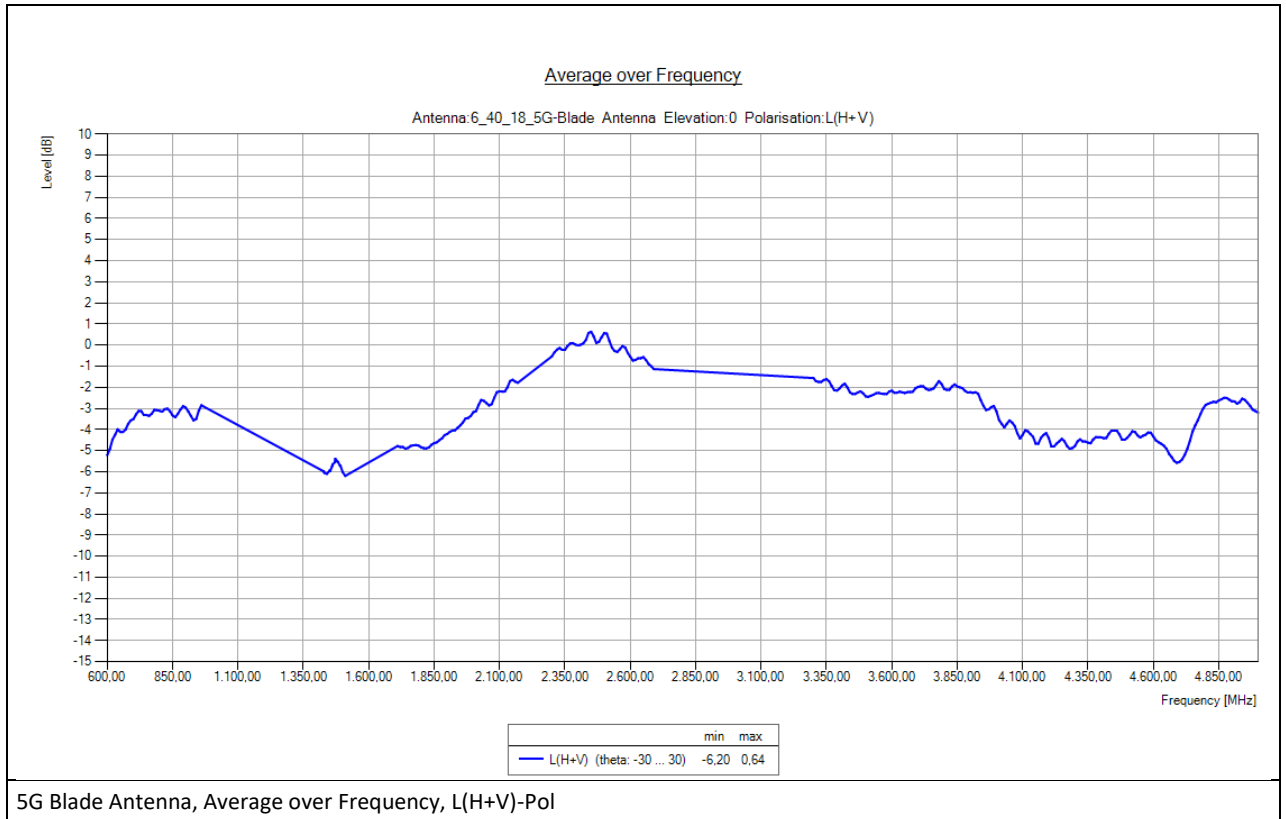


Antennenanpassung / Antenna Return Loss

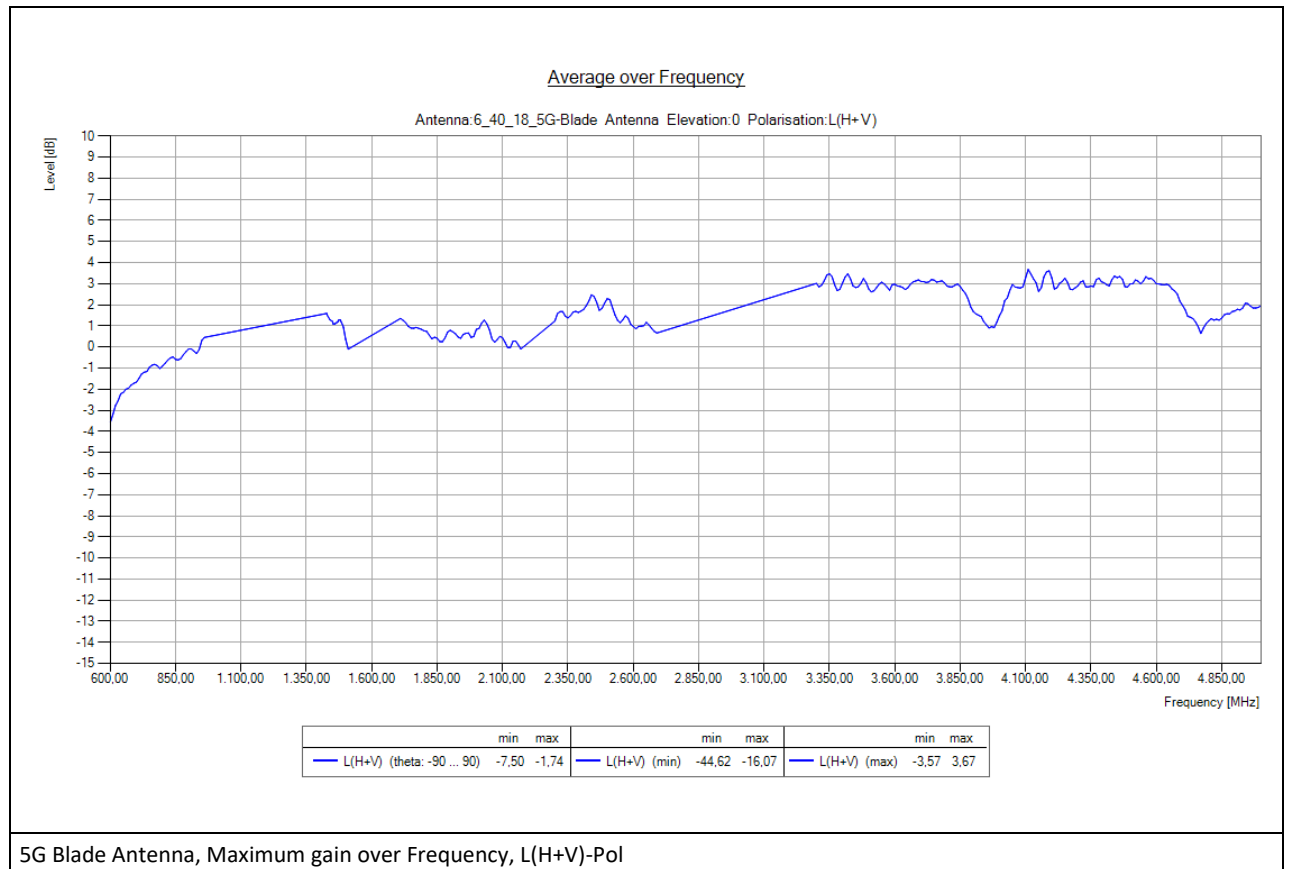


Antennengewinn / Antenna Gain

Average over Frequency, (VP + HP), Theta $\pm 30^\circ$



Maximum Gain over Frequency, (VP + HP), Theta $\pm 90^\circ$

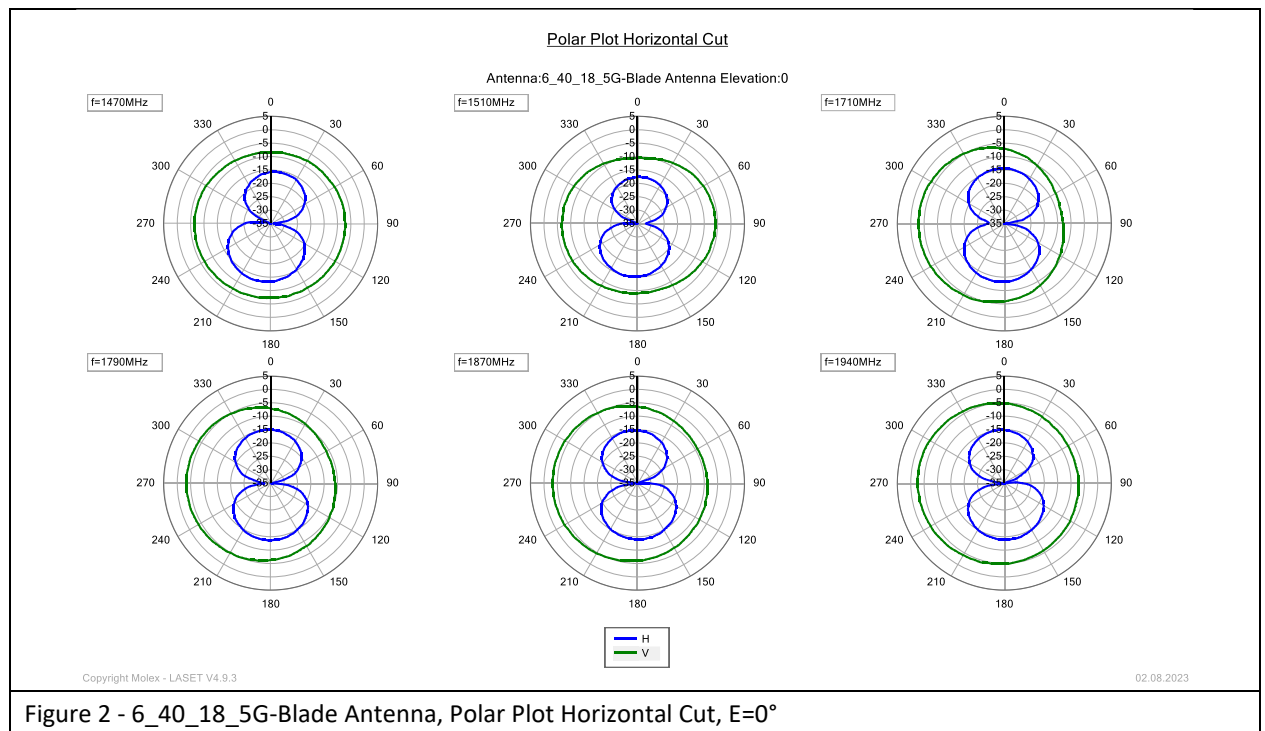
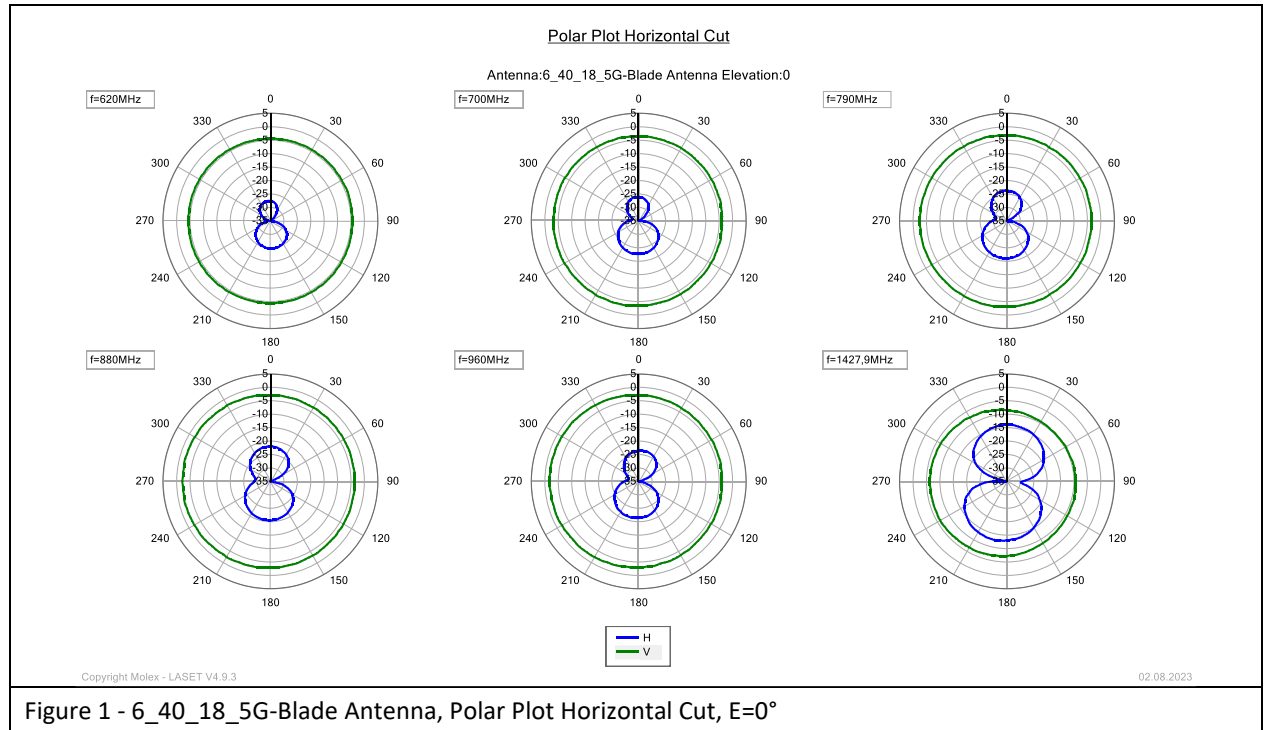


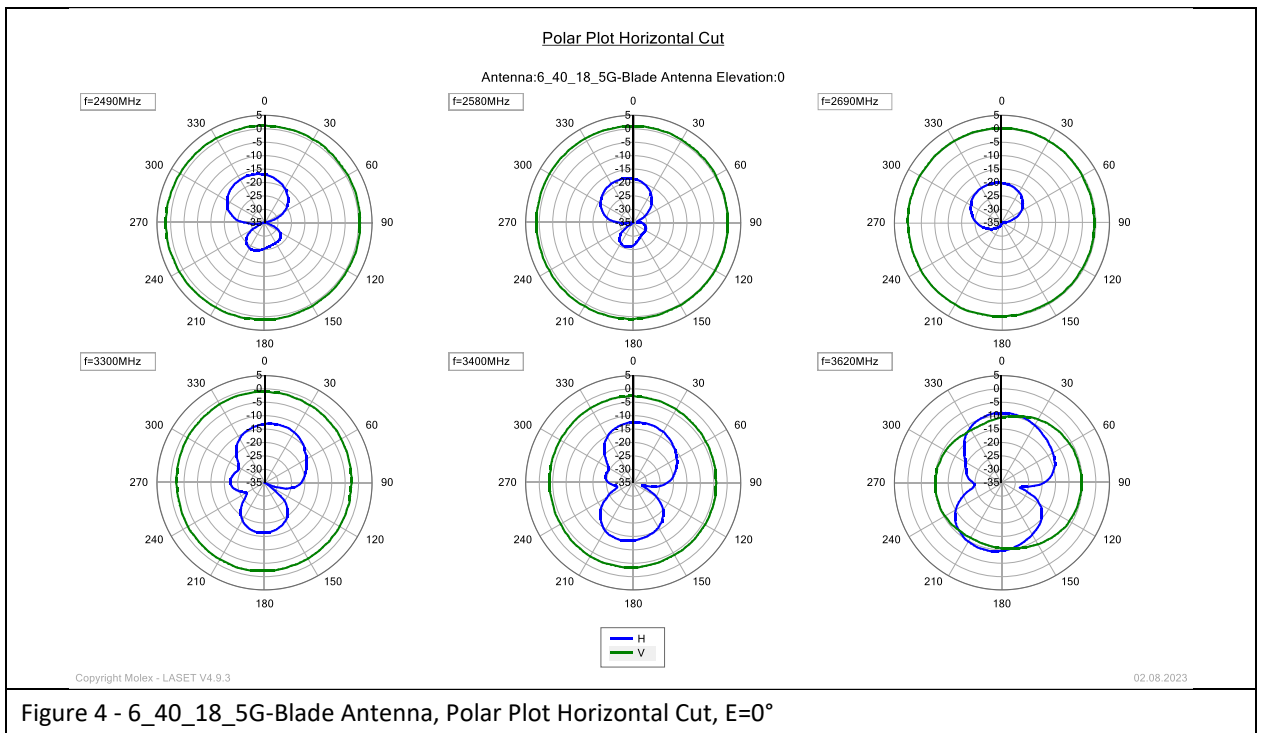
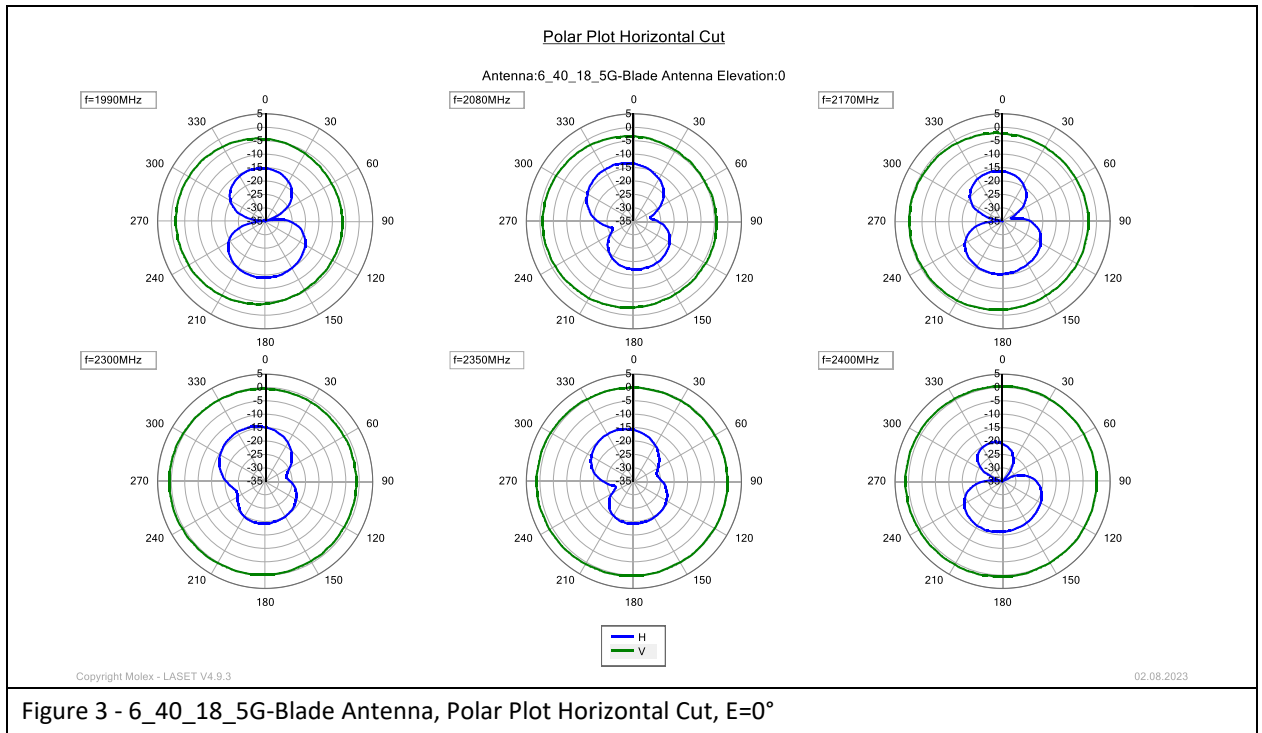
Antennengewinn / Antenna gain

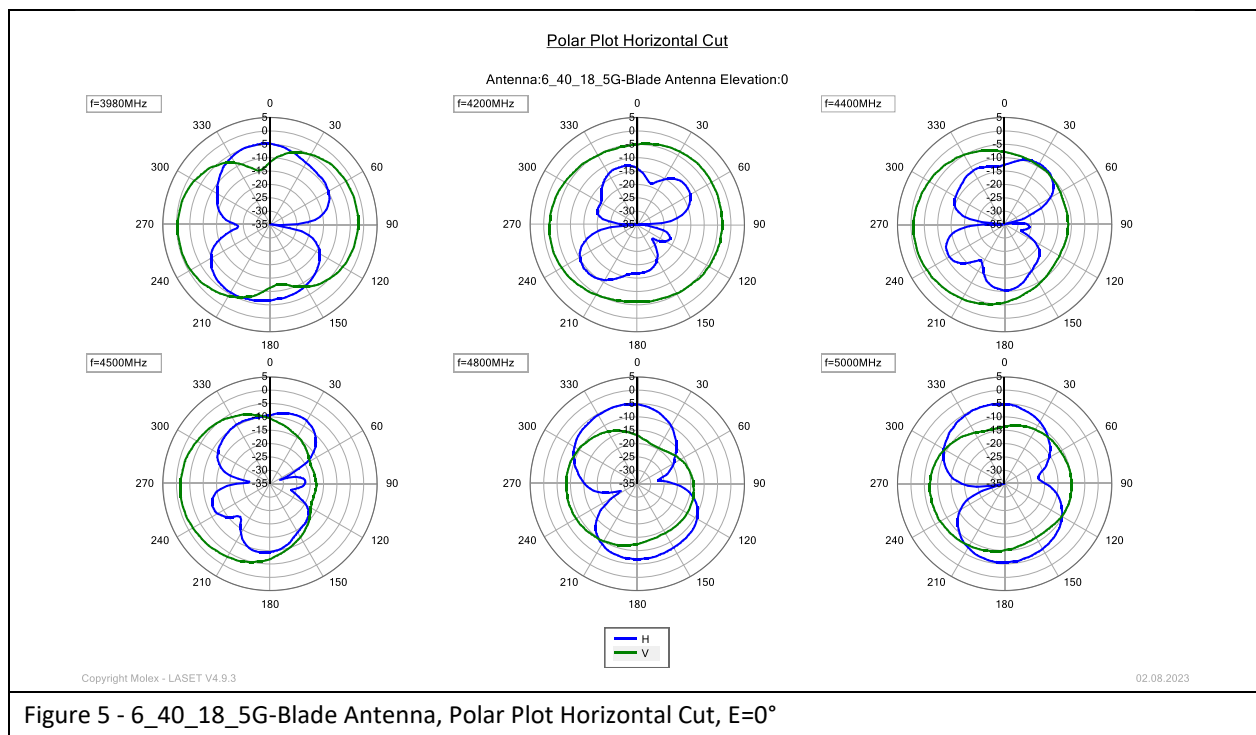
Mounted on 1m groundplane measured direct at Fakra connector.

frequency band in MHz		partial average gain of freq. band in dBi (Theta=[60-120]°)		max. gain in partial area (Theta=[60-120]°)	absolut maximum gain (Theta=[0-180]°)
begin	end	in freq. band in dBi	maximum	in freq. band in dBi	in freq. band in dBi
617	698	-4,02	-3,57	-1,72	-1,72
698	960	-3,19	-2,85	-0,04	0,46
1427,9	1510,9	-5,80	-5,38	-0,80	1,59
1710	1990	-4,38	-3,35	-0,89	1,36
1990	2170	-2,41	-1,64	0,13	1,27
2300	2690	-0,14	0,64	2,48	2,48
3300	4200	-2,52	-1,56	3,18	3,67
4400	5000	-3,75	-2,50	1,79	3,36

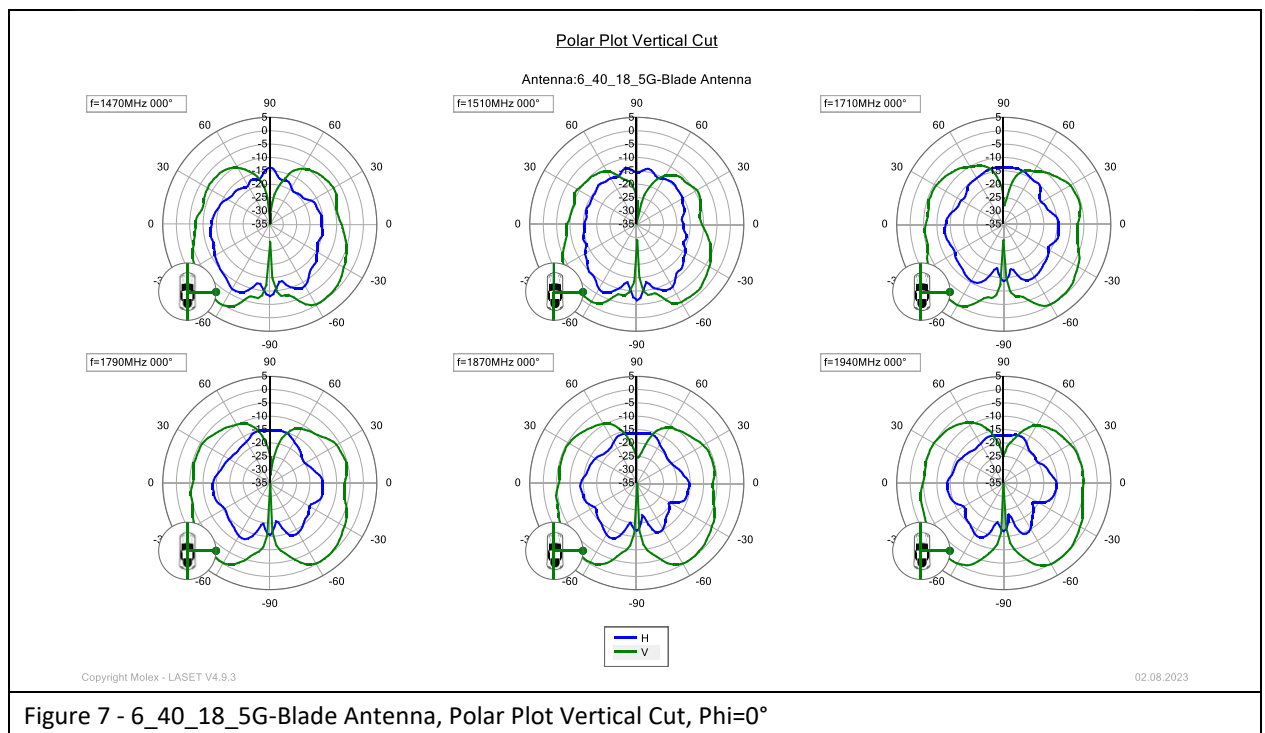
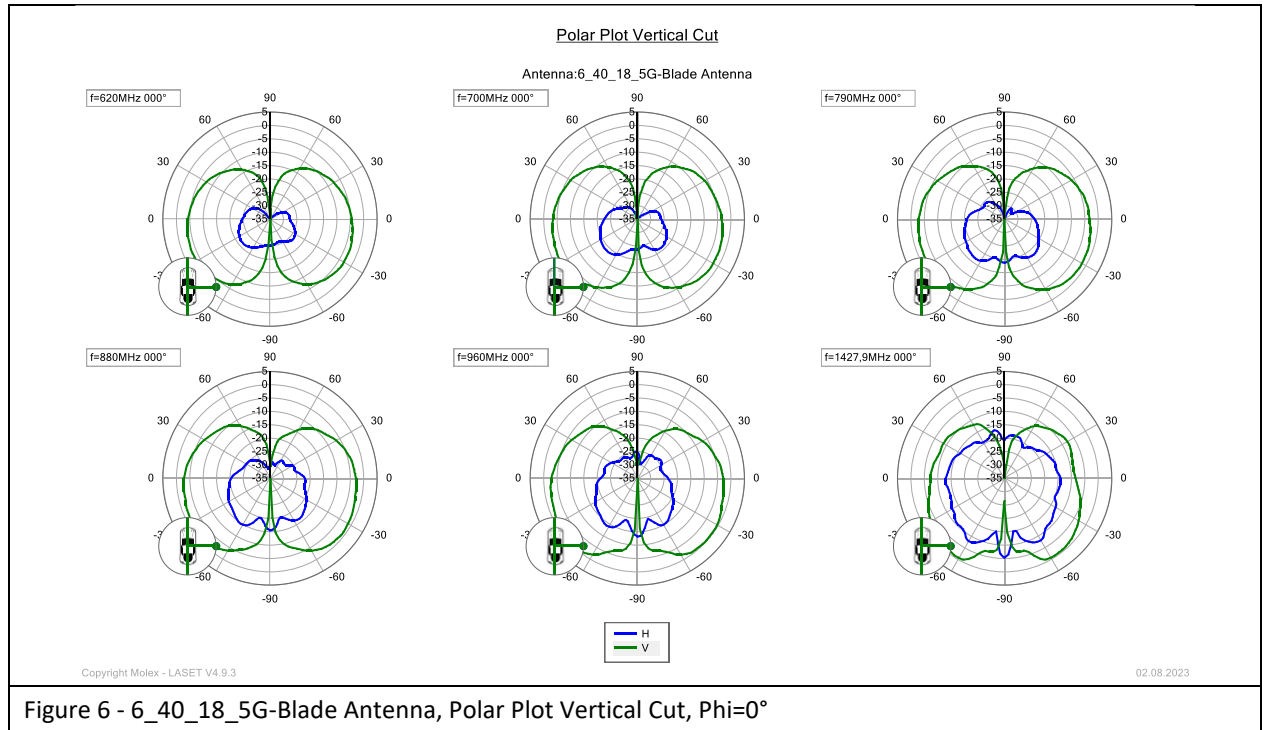
Polar Plot Horizontal Cut

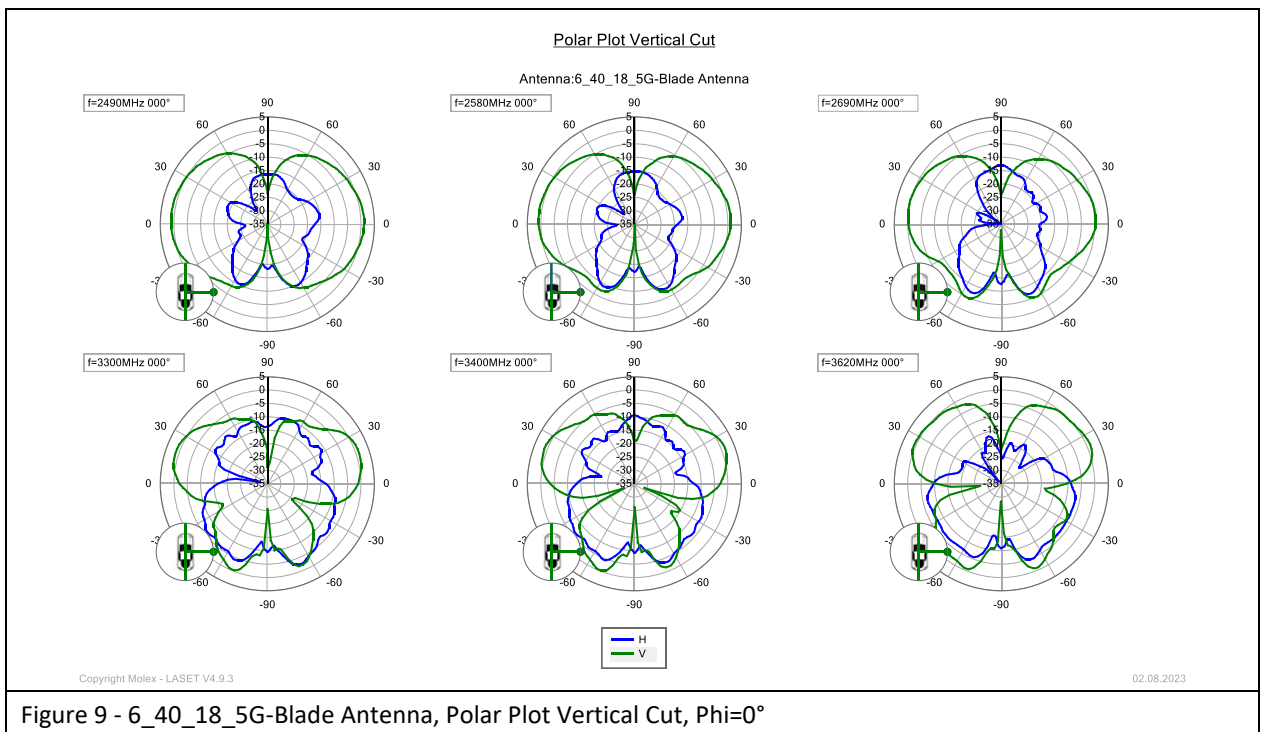
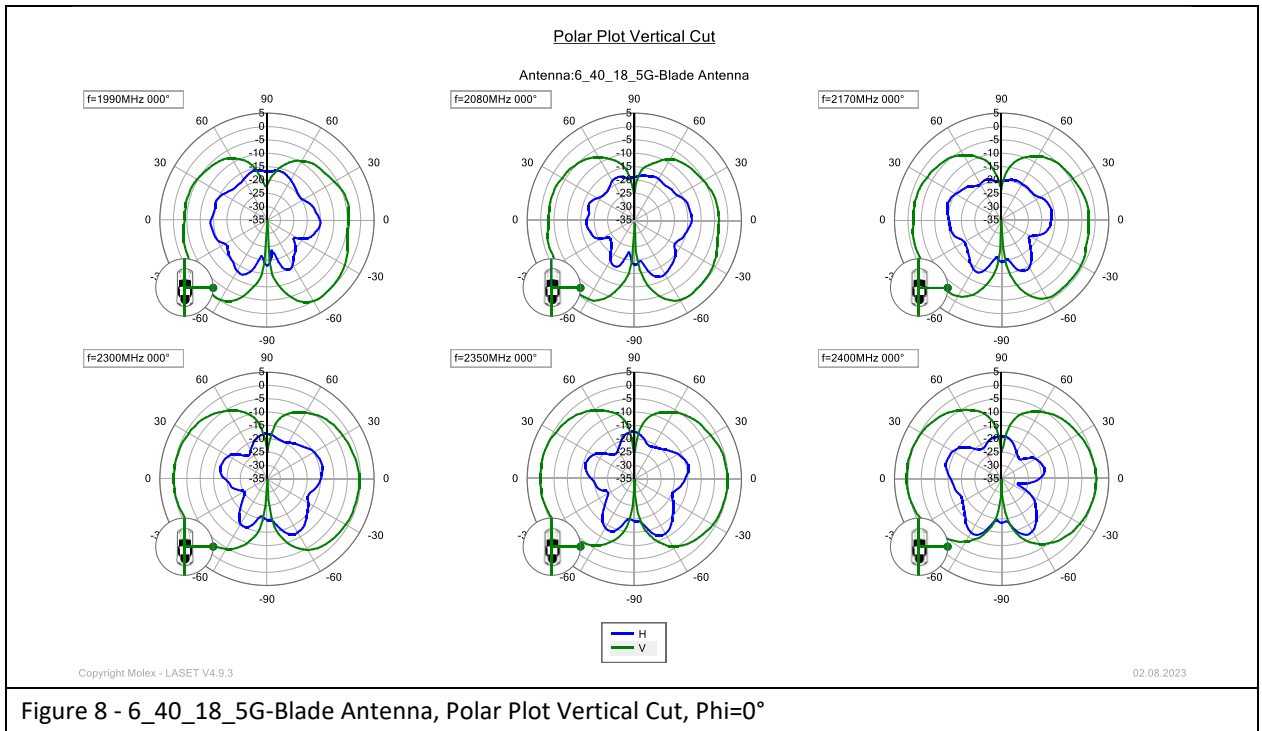


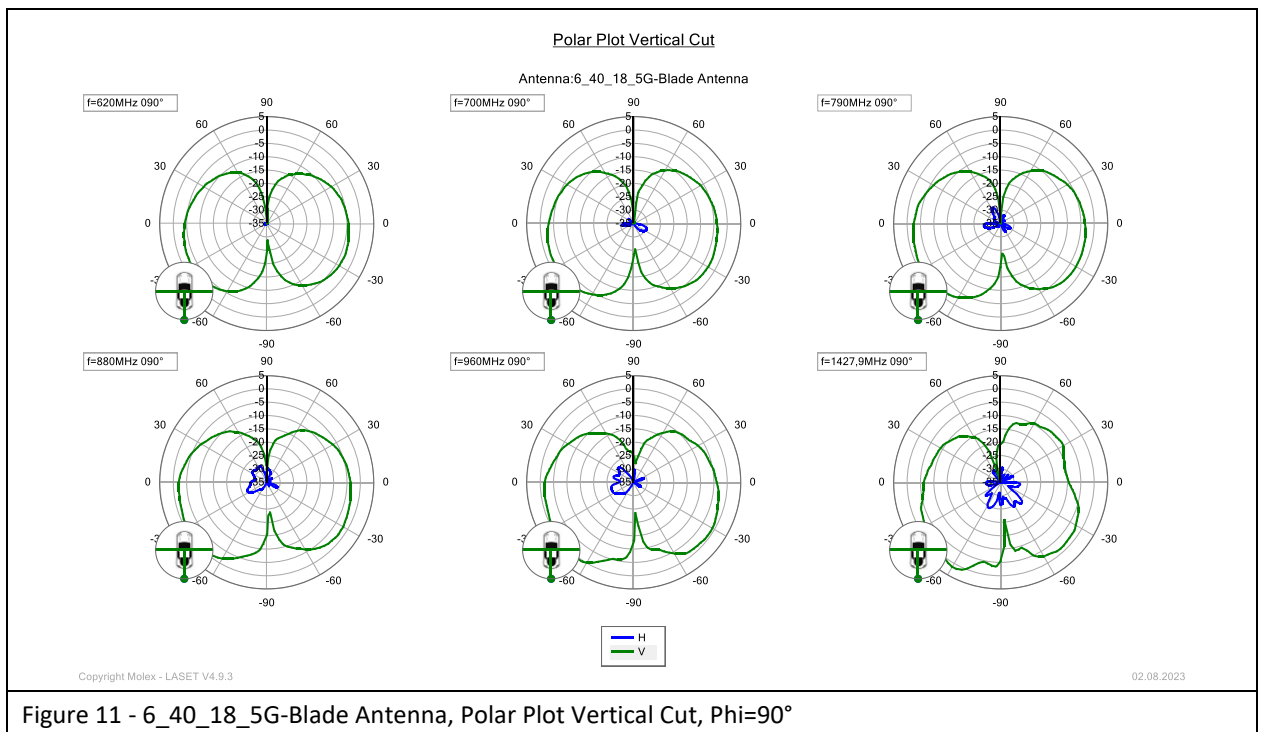
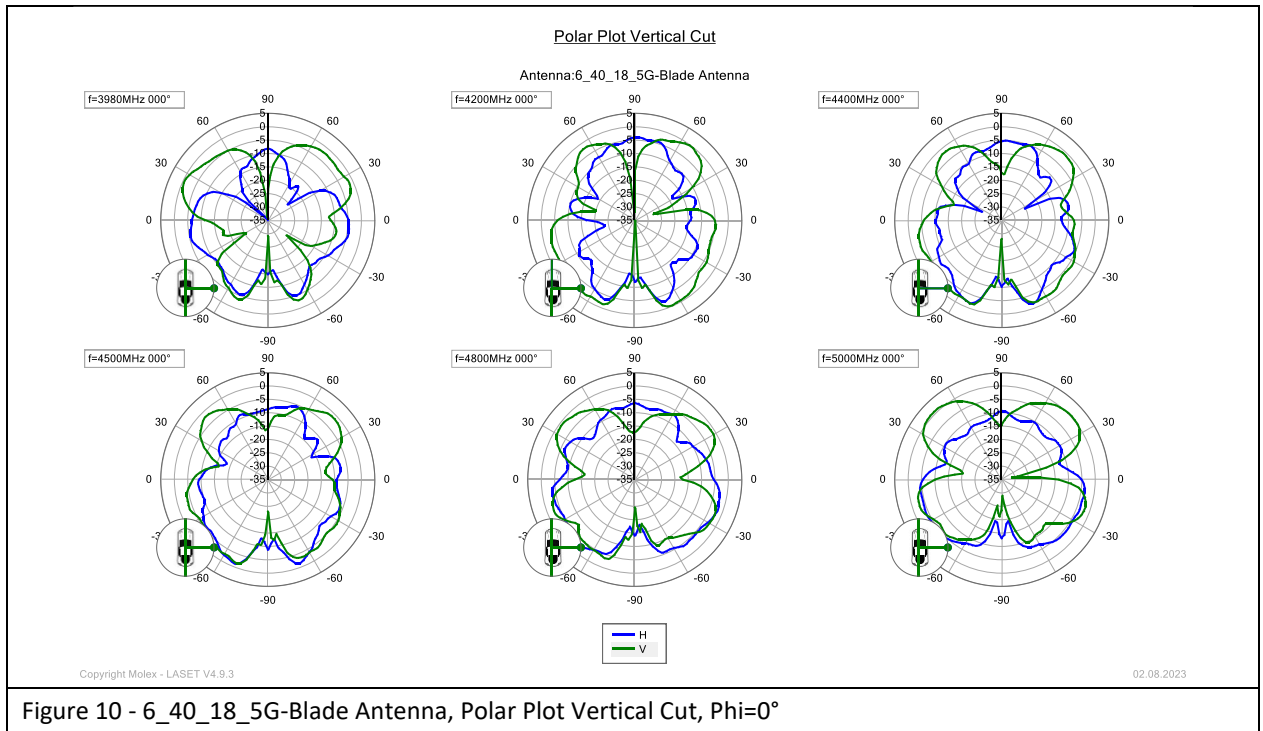


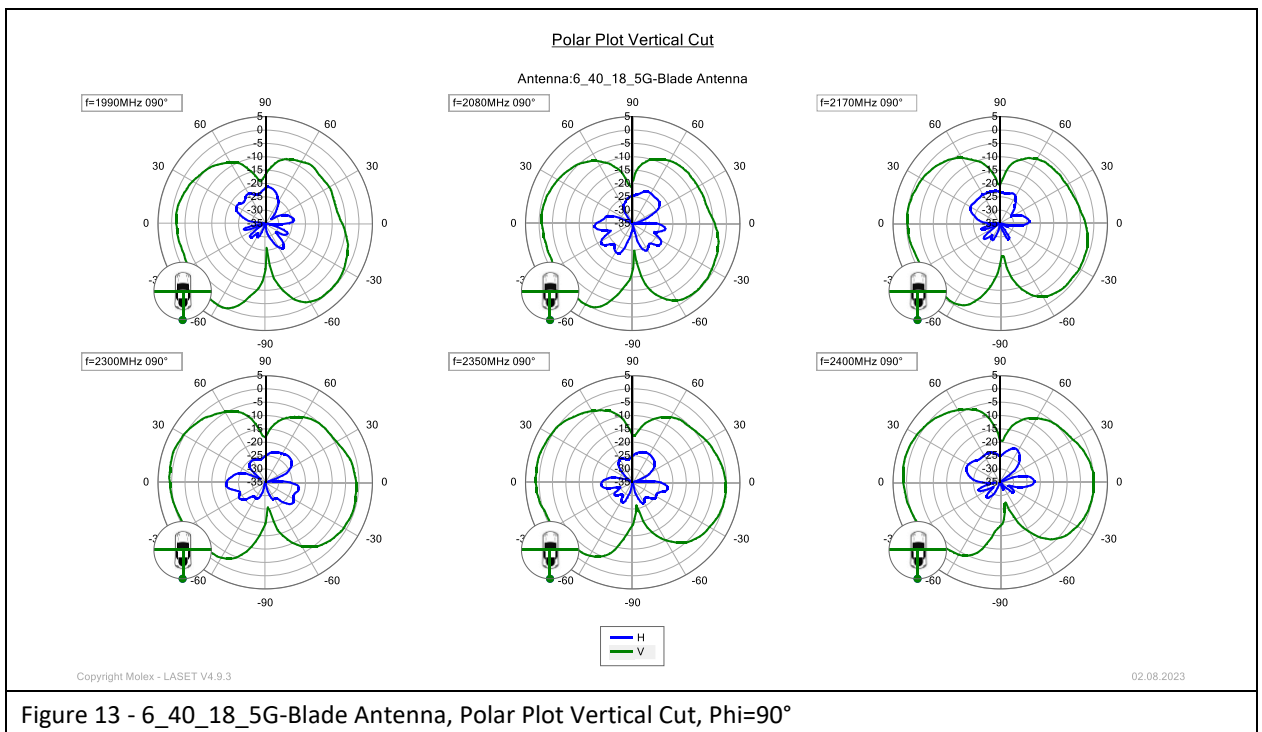
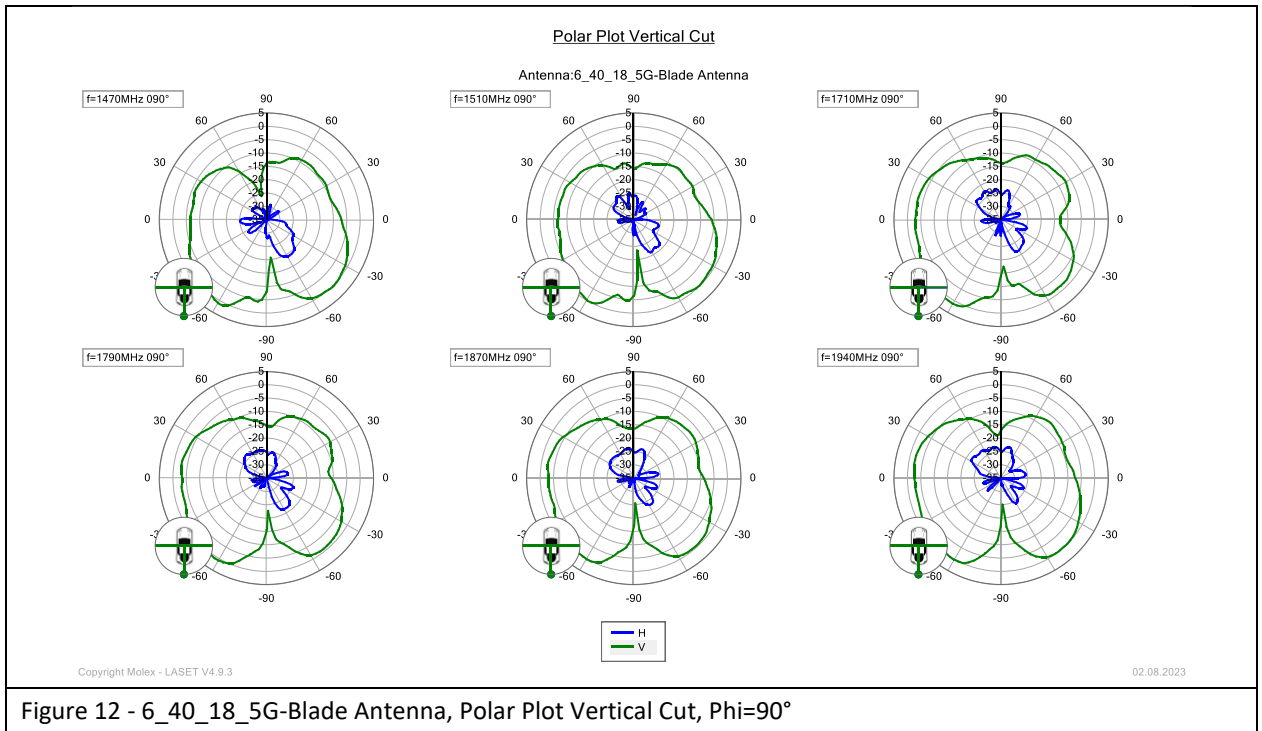


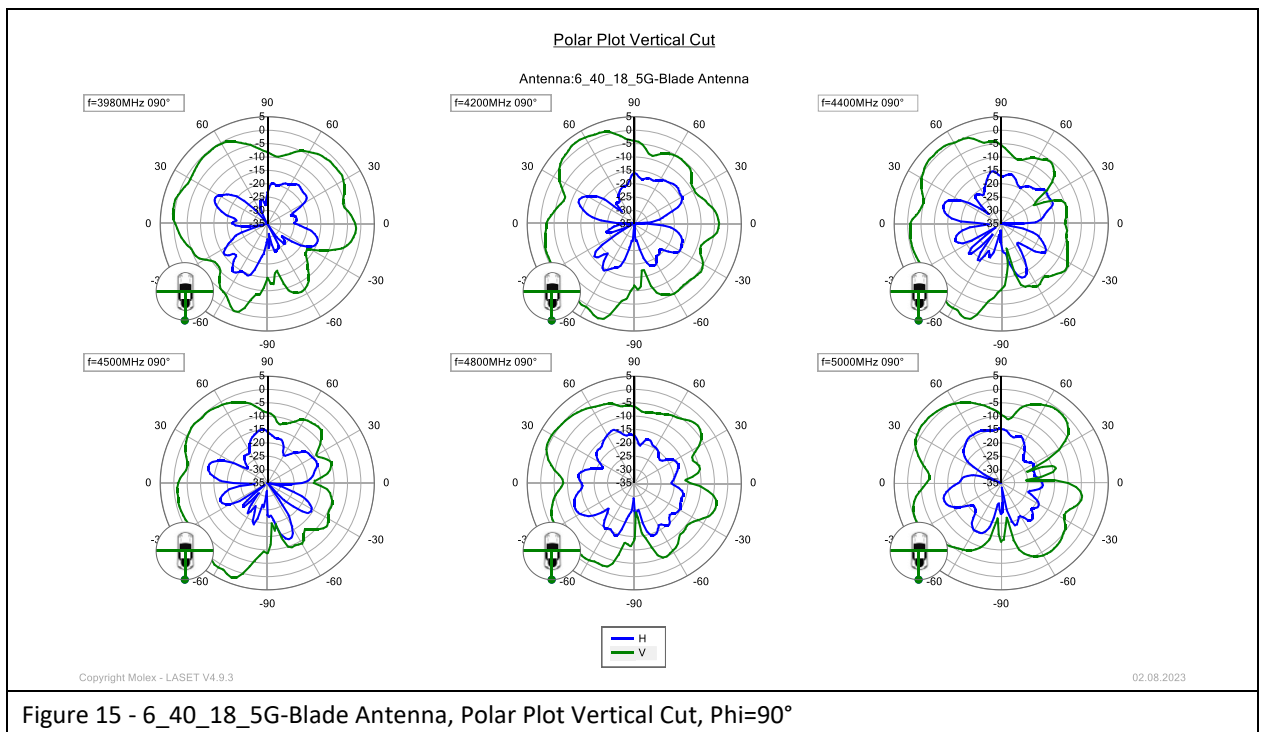
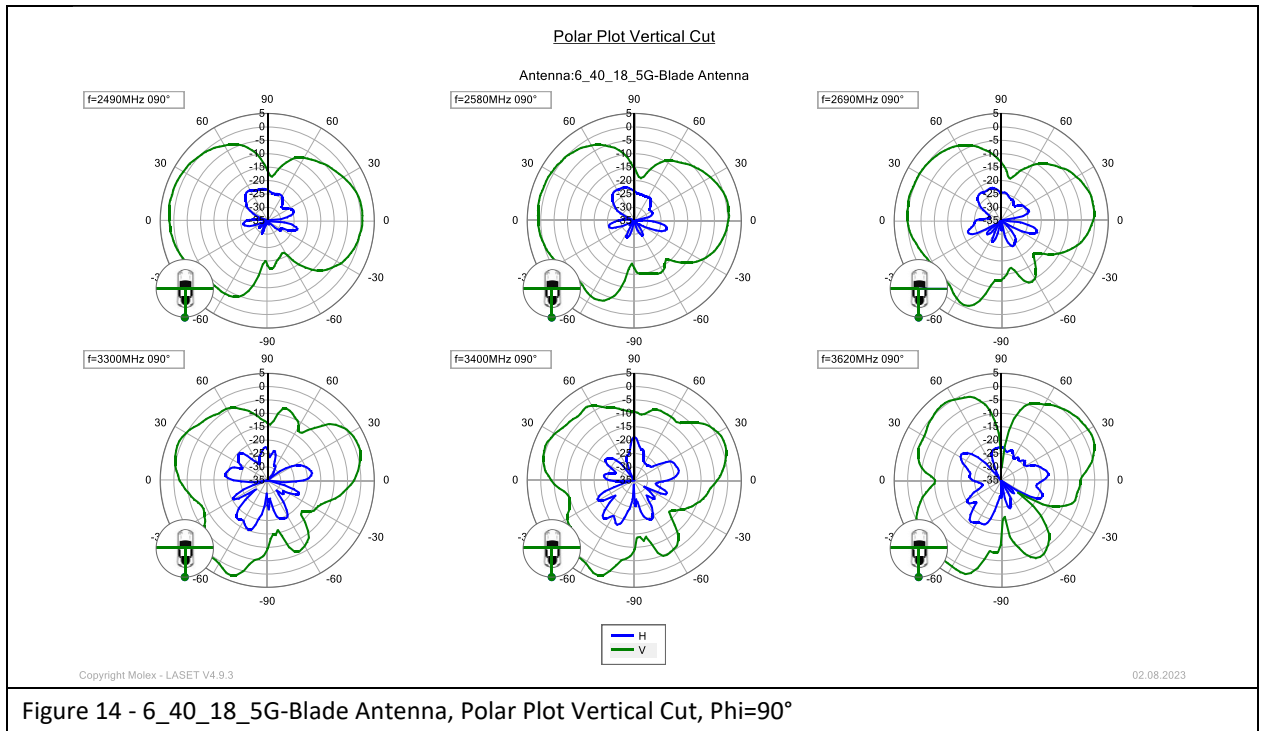
Polar Plot Vertical Cut



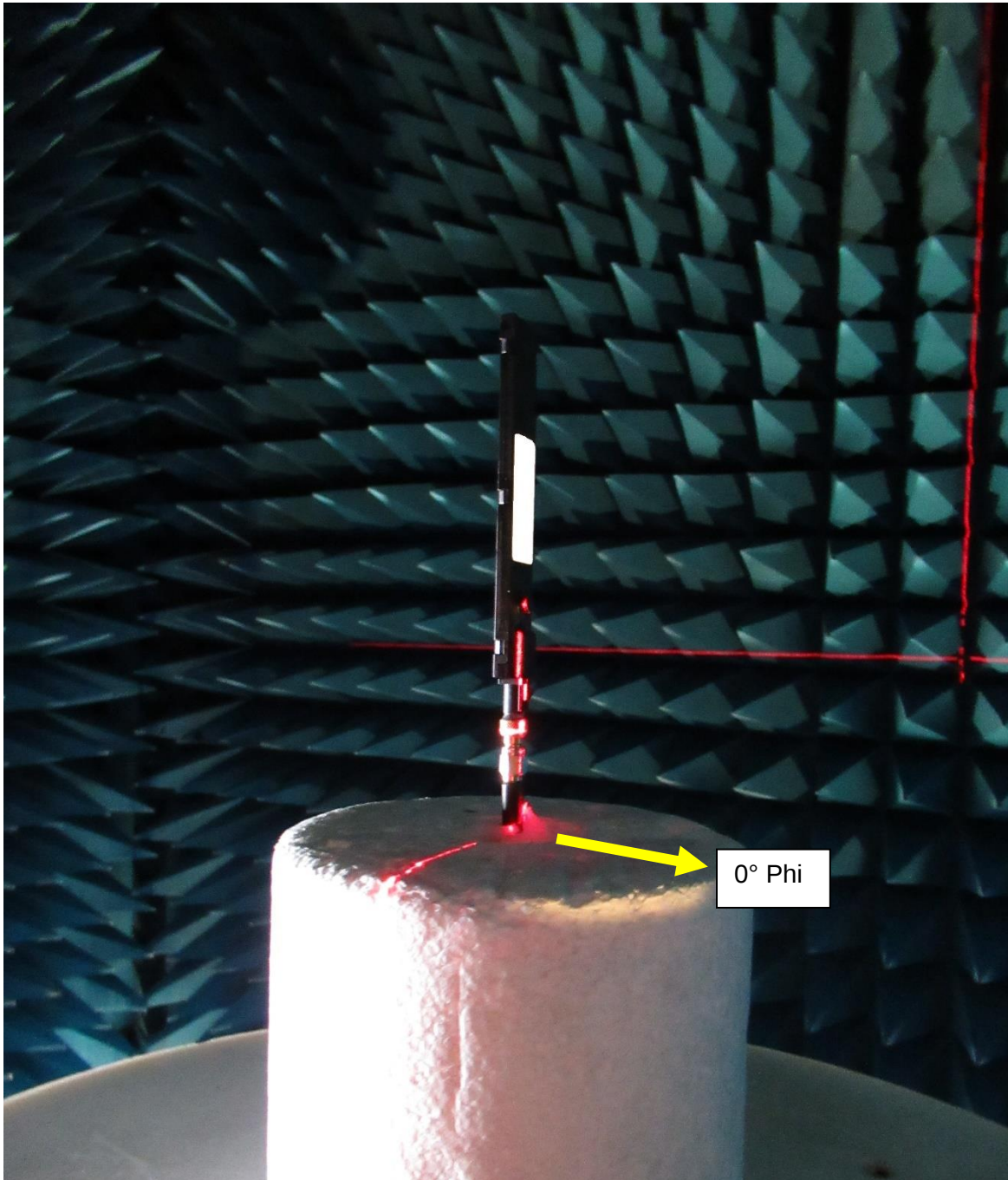








Messaufbau / Measurement Setup



Antenna measured inside Satimo SG64 anechoic chamber