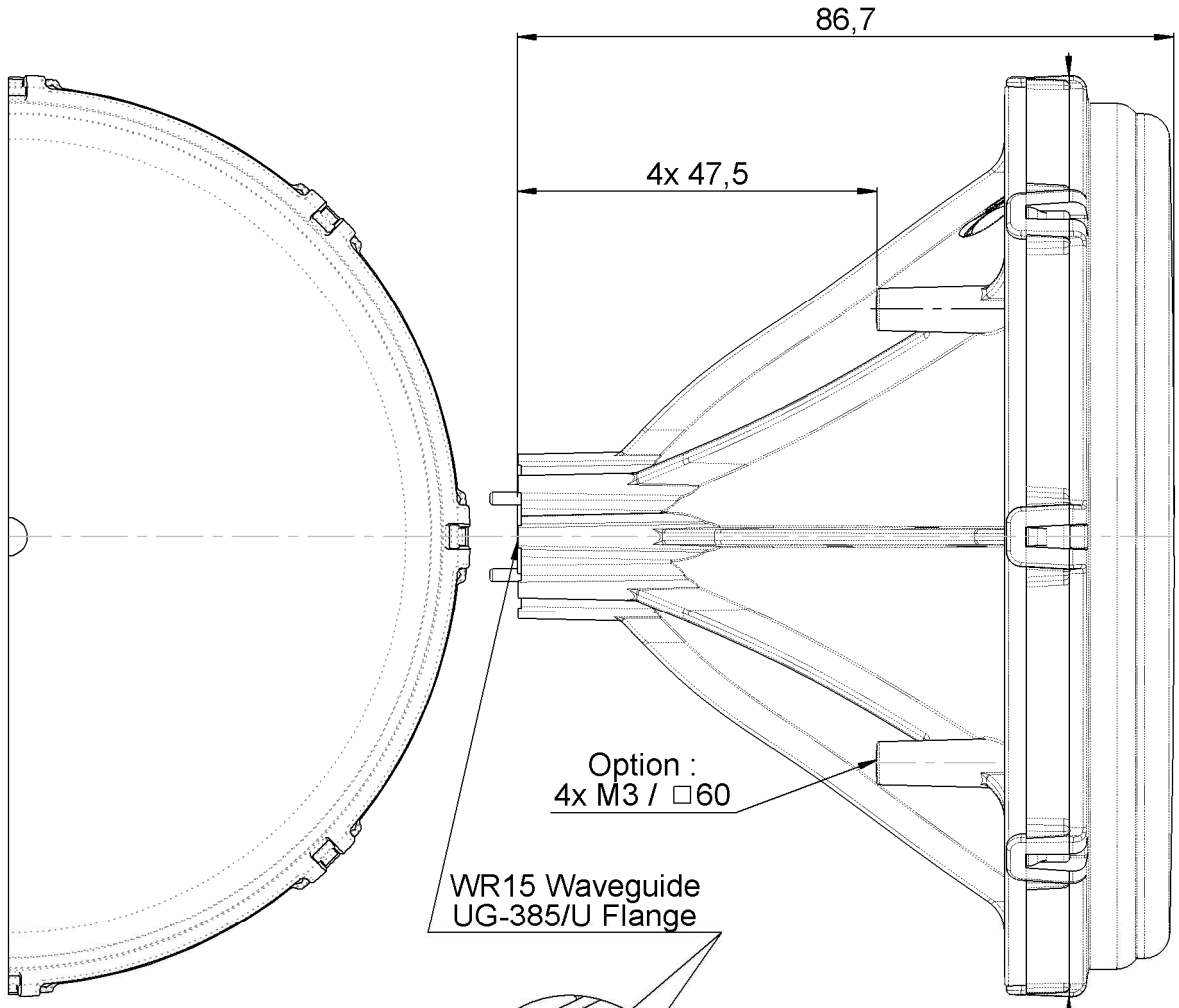
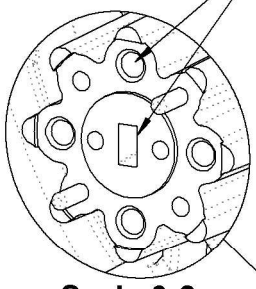
PAGE **1/4**	ISSUE **06-01-17A**	SERIES **ANTENNA**	PART NUMBER **R380.840.000**





Scale 3:2

Scale 1:2

Scale 1:2

All dimensions are in mm

ELECTRICAL CHARACTERISTICS

Frequency :		**57-66**	GHz
Flange Type :		**WR15 (UG-385/U)**	
VSWR :		**1.5:1**	max
Gain:			
	Mid-Band :	**32**	dBi typ.
	Full-Band :	**31**	dBi min
Radiation Pattern			
	3 dB beamwidth :	**3.5° x 3.5°**	typ.
	Side Lobe Level :	**ETSI Class 2 EN 302 217-4 v2.0.3**	
Polarization :			
	Type :	**Linear**	
	Orientation :	**90° twist relative to waveguide E-Plane**	
	Cross Polarization Discrimination (XPD):	**25**	dB min
	XPD Compliance :	**ETSI Category 1**	
Power withstanding :		**40**	dBm

MECHANICAL CHARACTERISTICS

Antenna Chassis Color :	**Zinc**	
Antenna Radome color	**White**	
Radome Material	**Polypropylene, hydrophobic**	
Dimensions:		
Diameter	**121**	mm
Length	**86.2**	mm
Weight:	**380**	g max
Solar Loading	**UV resistant**	

ENVIRONMENTAL CHARACTERISTICS

Temperature:	**-55 / +60**	°C
	IEC 60068-2-1 & 2 Methods Ab/Ad & Bb/Bd	
Temperature Cycles (1,2) :	**-10/+45°**	°C
	IEC 60068-2-30 Method Db	
Salt Fog (1)	**48**	h
	IEC 68-2-11	
Humidity (1,2):	**90-100%**	HR
	IEC 60068-2-30	
Shock Stability (Functional) :	**Half sine, 30**	g
	11	ms
	IEC 60068-2-29, method Ea	
Vibration :(Random)	**condition II curve E**	
	IEC 60068-2-64, Method Fh	
Vibration :(Sinusoidal)	**±3mm/10g**	
	IEC 60068-2-6, Method Fc	
Ingress Protection (*)	**IP67**	

Note (1): Tests conducted with antenna mated to vented waveguide adapter.
Note (2): Antenna is not equipped with pressure compensation element. Pressure compensation shall be provided by customer equipment.

CURVES

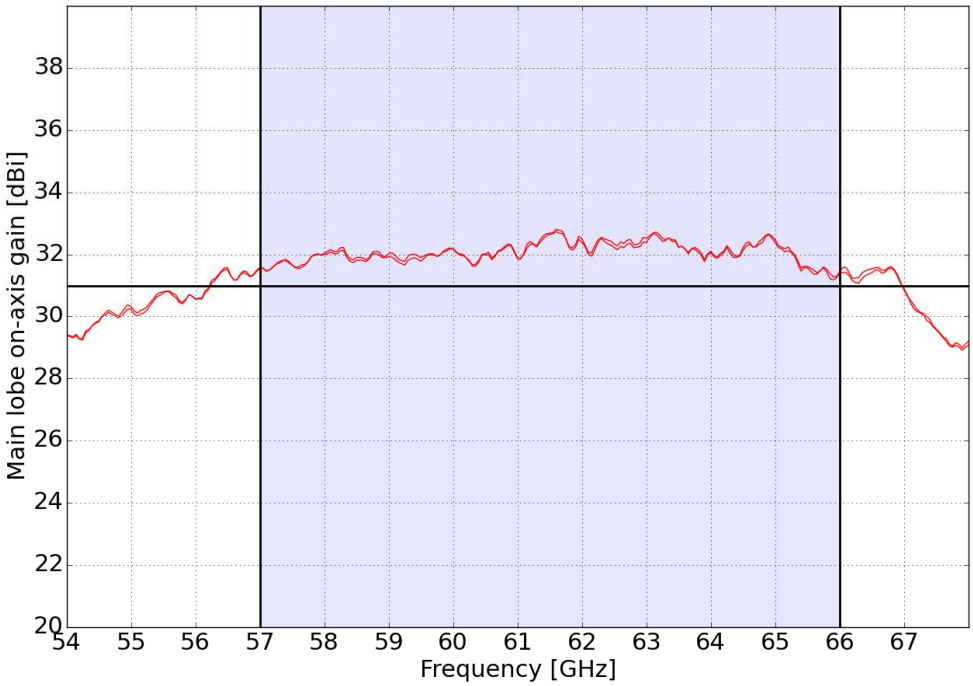


Figure 1 *: Typical Gain vs Frequency*

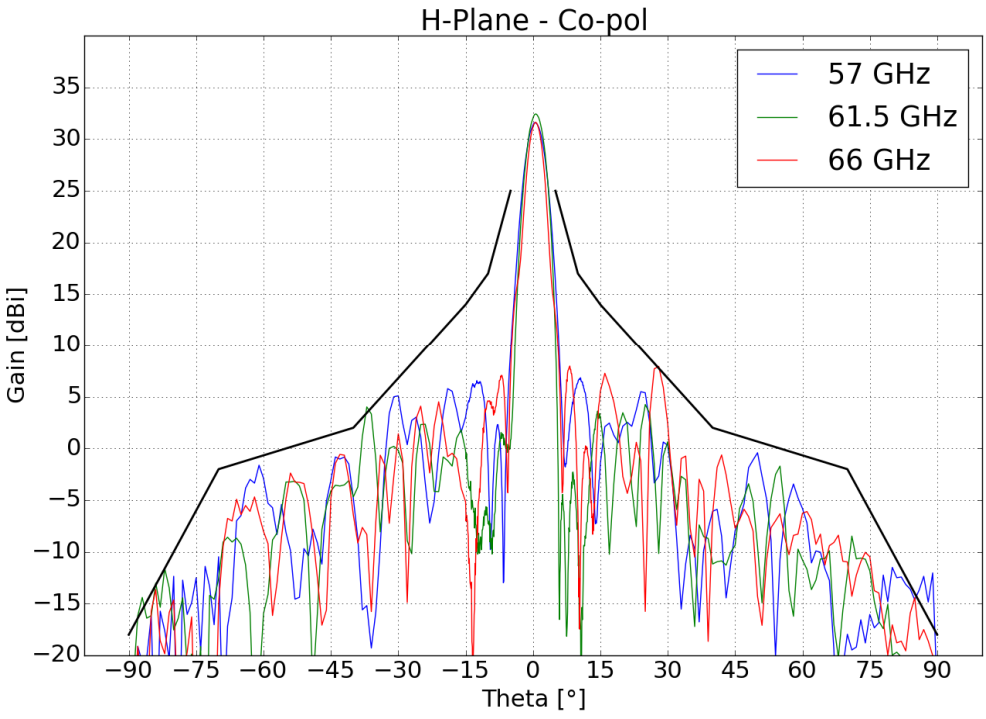


Figure 2 *: Typical Radiation Patterns – H Plane*

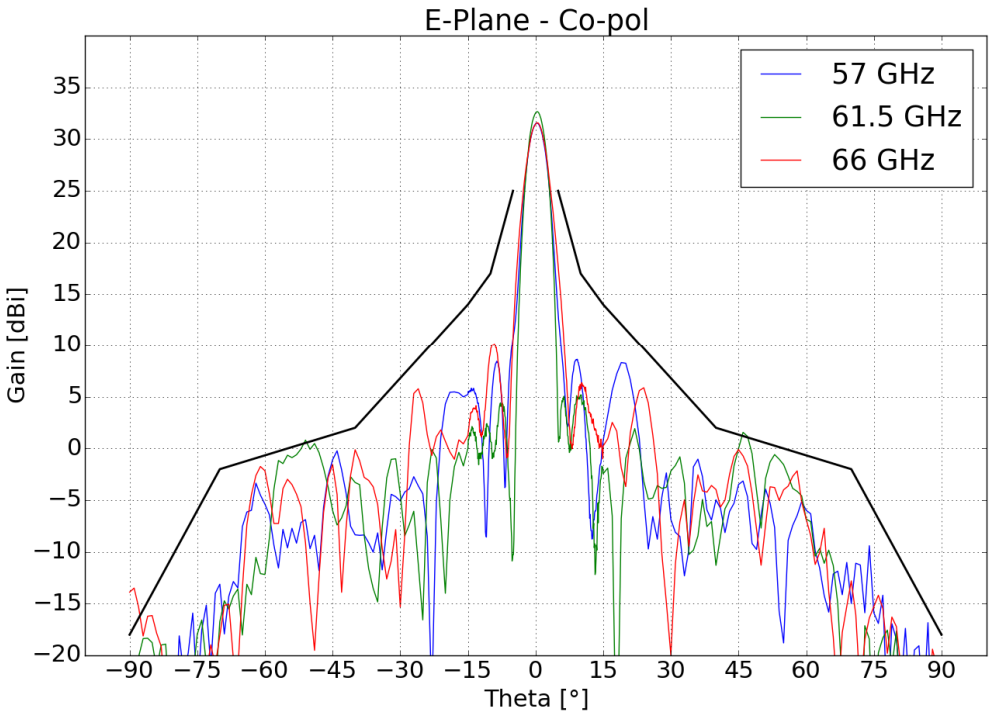
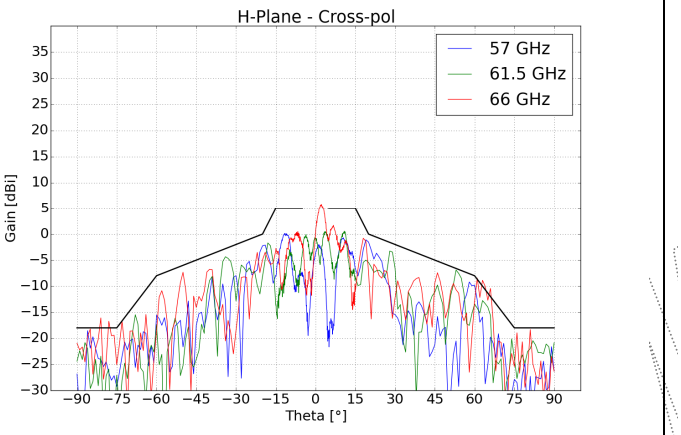


Figure 3 *: Typical Radiation Patterns – H Plane*



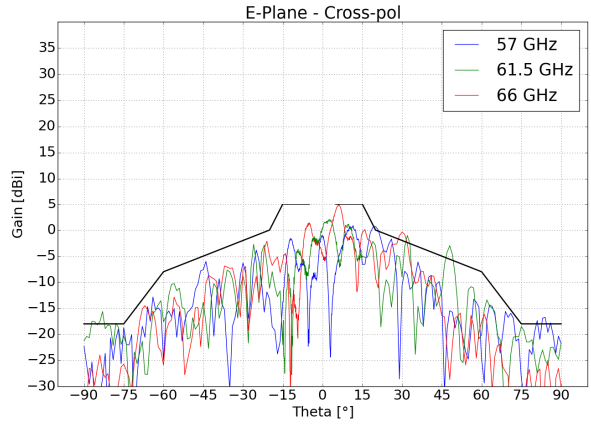


Figure 4 *: Typical Cross-Polarization Levels*