

## TS Dual Polarized Antenna

**4.9 - 5.875 GHz 23dBi**



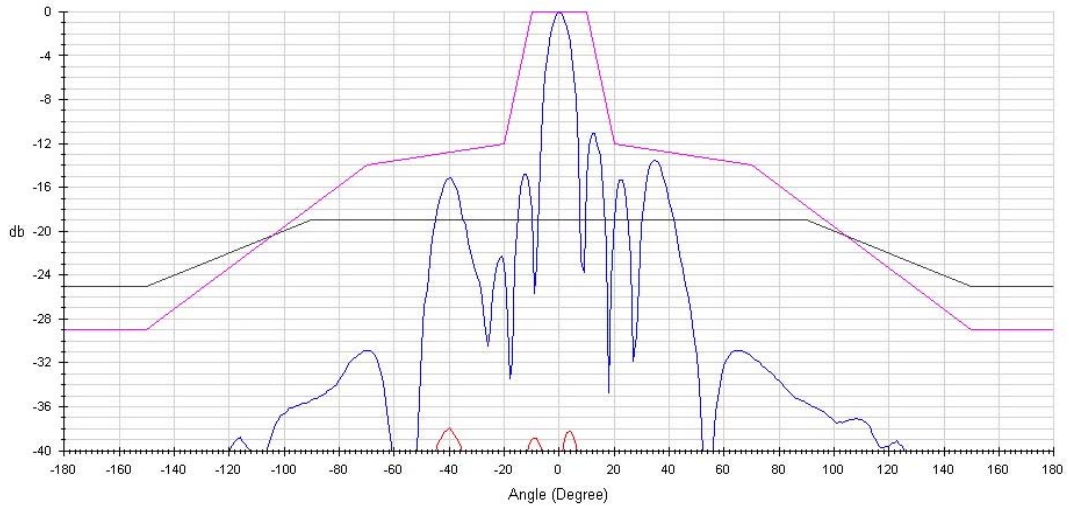
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.2.2 (2003-08) Range 1 RoHS Compliance
<b><u>ELECTRICAL</u></b>	
FREQUENCY RANGE	4.9 – 5.875 GHz
GAIN @ Port H	21.5 dBi @ 4.9 - 5.0 GHz 22.0 dBi @ 5.0 - 5.35 GHz 23.0 dBi @ 5.35 - 5.8 GHz 22.0 dBi @ 5.8 - 5.875 GHz
GAIN @ Port V	23.0 dBi @ 4.9 - 5.0 GHz 24.0 dBi @ 5.0 - 5.875 GHz
VSWR	2.3:1 (max) @ 4.9 - 4.95GHz 2.0:1 (max) @ 4.95 - 5.80 GHz 1.7:1 (typ) 2.5:1 (max) @ 5.8 - 5.875 GHz
3 dB BEAMWIDTH	8° (typ)
POLARIZATION	Dual Linear (Vertical & Horizontal)
SIDELOBES LEVEL	ETSI EN 302 085 V1.2.2 TS1-TS3 @4.9-5.875GHz
CROSS POLARIZATION	ETSI EN 302 085 V1.2.2 TS1-TS3
Port to Port Isolation	- 40 dB (max)
F/B RATIO	- 35 dB (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded

<b><u>MECHANICAL</u></b>	
DIMENSIONS (LxWxD)	371 x 371 x 40mm (max)
WEIGHT	2.0 Kg (max)
CONNECTORS	N-Type Female
RADOME	Plastic P.C (RAL 9002)
BASE PLATE	Aluminum with chemical conversion coating
<b><u>ENVIRONMENTAL</u></b>	
TEMP. CYCLING	IEC 68-2-14 -45°C to +70°C
VIBRATION	IEC 60721-3-4 Random 4M3
SHOCK MECHANICAL	IEC 60721-3-4 4M3
HUMIDITY	ETSI EN300-2-4 T4.1E 95%
WATER TIGHTNESS	IEC 529 IP-67
SOLAR RADIATION	ASTM G53
FLAMMABILITY	UL 94 Class HB
SALT SPRAY	IEC 68-2-11 Ka
ICE AND SNOW	25mm Radial
WIND SPEED: SURVIVAL OPERATION	220 Km/h 160 Km/h
WIND LOAD (SURVIVAL): FRONT THRUST SIDE THRUST	39.6 Kg 4.3 Kg

# ANTENNA PATTERNS

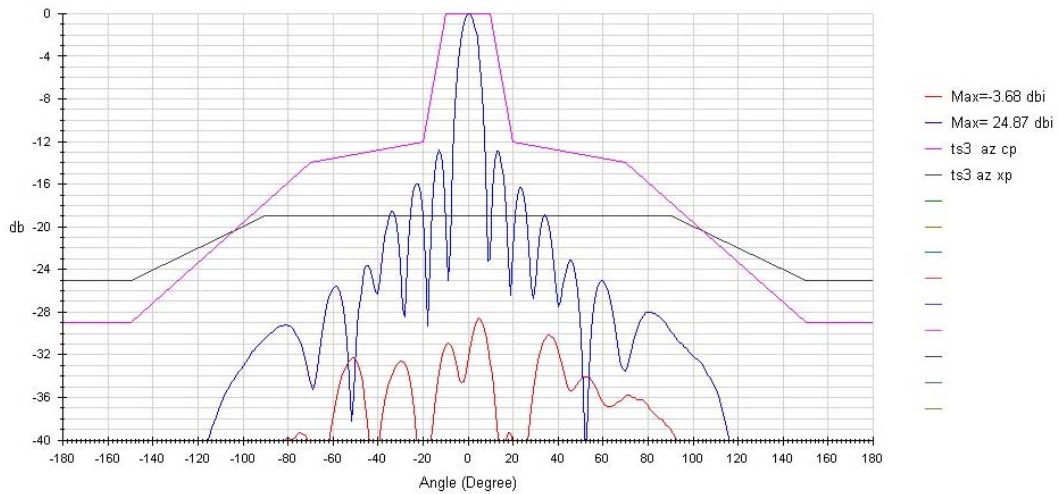
## Port V Elevation Pattern

Frequency 5.725GHz



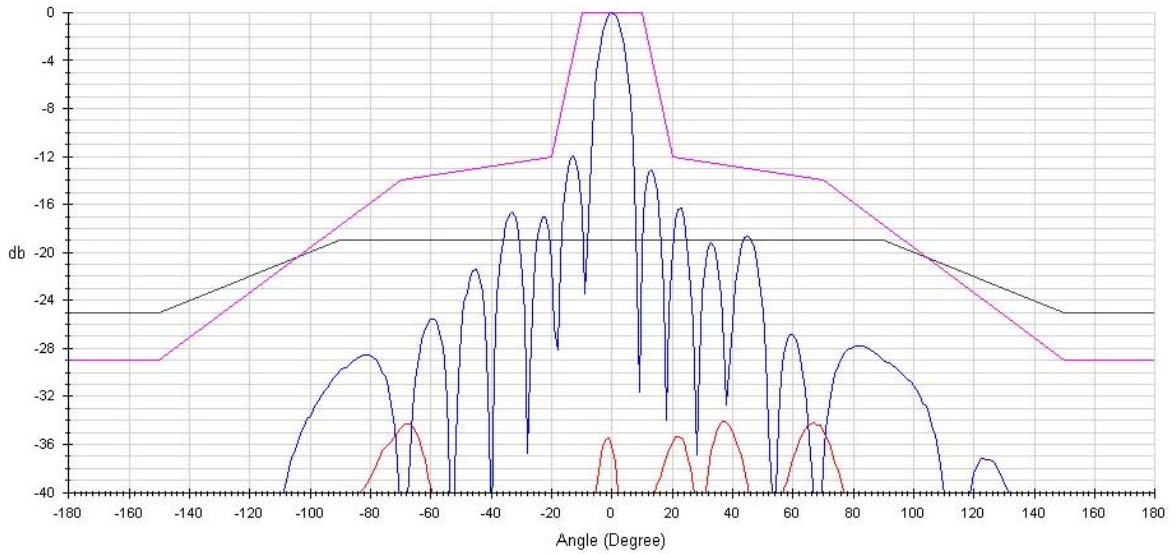
## Port V Azimuth Pattern

Frequency 5.725GHz



### Port H Elevation Pattern

Frequency 5.725GHz



### Port H Azimuth Pattern

Frequency 5.725GHz

