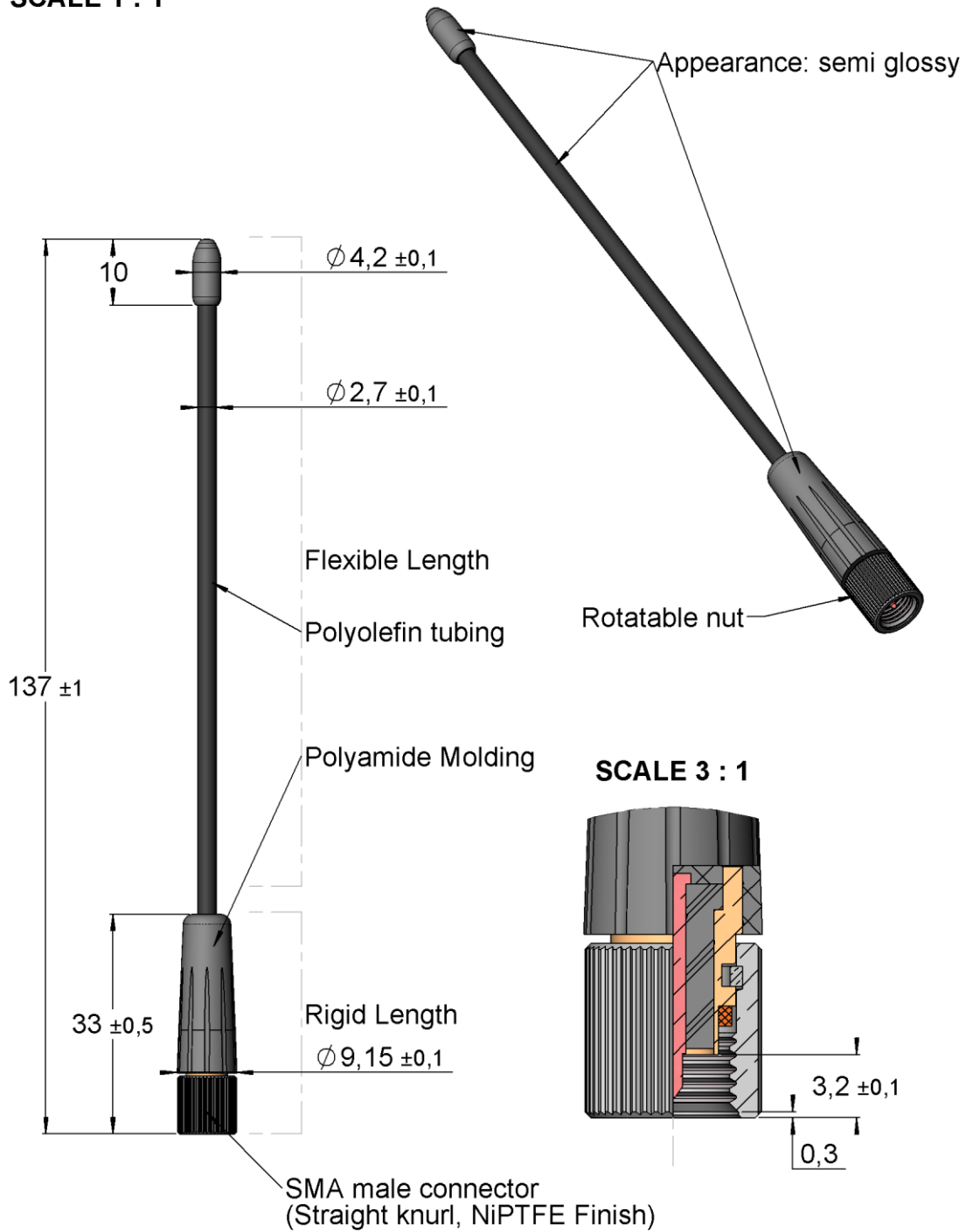


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SCALE 1 : 1



All dimensions are in mm

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ELECTRICAL CHARACTERISTICS

Frequency :	470-654	MHz
Nominal Impedance :	50	Ω
VSWR :	2.0:1	Max
Peak Gain :	1	dBi
Radiation Pattern	Horizontal Plane : Omni-directional Vertical Plane : Dipolar	
Polarization :	VERTICAL	
(Power rating) :	(5	W max)
Connector type :	SMA Plug (Male)	

Electrical Performance is defined by Customer Radio (89 x 104 x 25 mm) assembled with 2 antennas (Distance between both: 58 mm) in free space. Second antenna is not active during measurement.

MECHANICAL CHARACTERISTICS

Material :	Black Polyamide
Radome :	Black Polyamide
Cap :	Black polyolefin
Tubing:	Black polyolefin
Connector material:	Dark Grey Nickel-PTFE
Nut :	Gold plated brass
Body:	Black polyamide
Insulator:	Gold plated brass
Center contact :	Gold plated brass
Durability:	>500 cycles
Weight :	8.5 g typical
Overall dimensions :	Ø9 x 137 Mm
Sennheiser bending test:	1000 Cycles
Sennheiser vibration test: (SNP54/5-5.1)	3 Directions
Sennheiser climate test	SNP 51

ENVIRONMENTAL CHARACTERISTICS

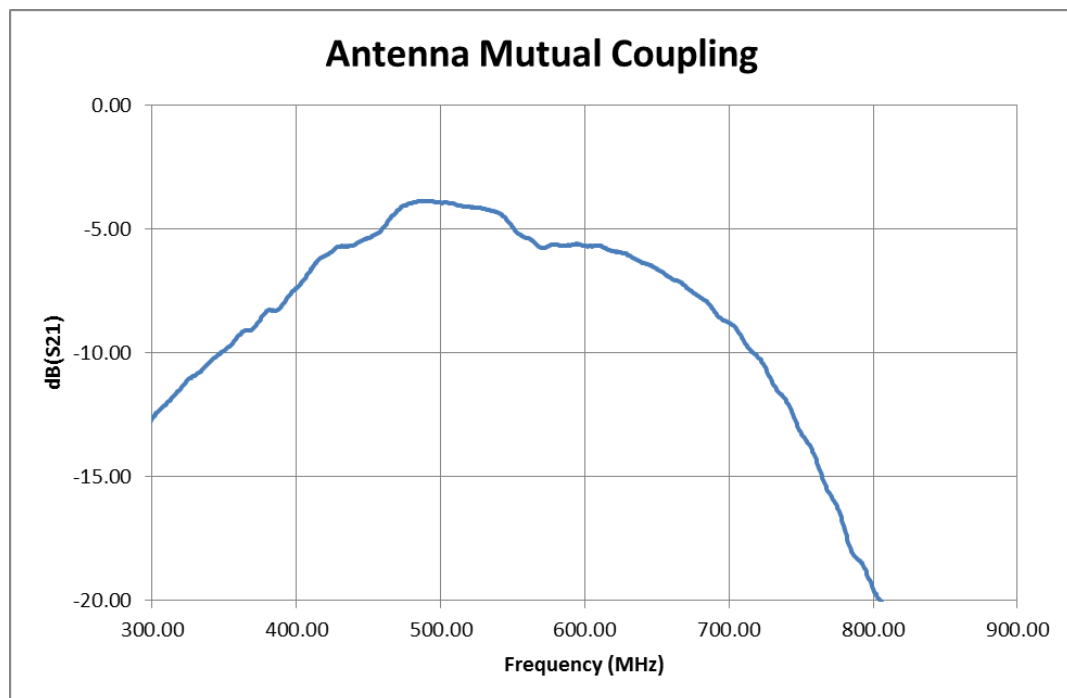
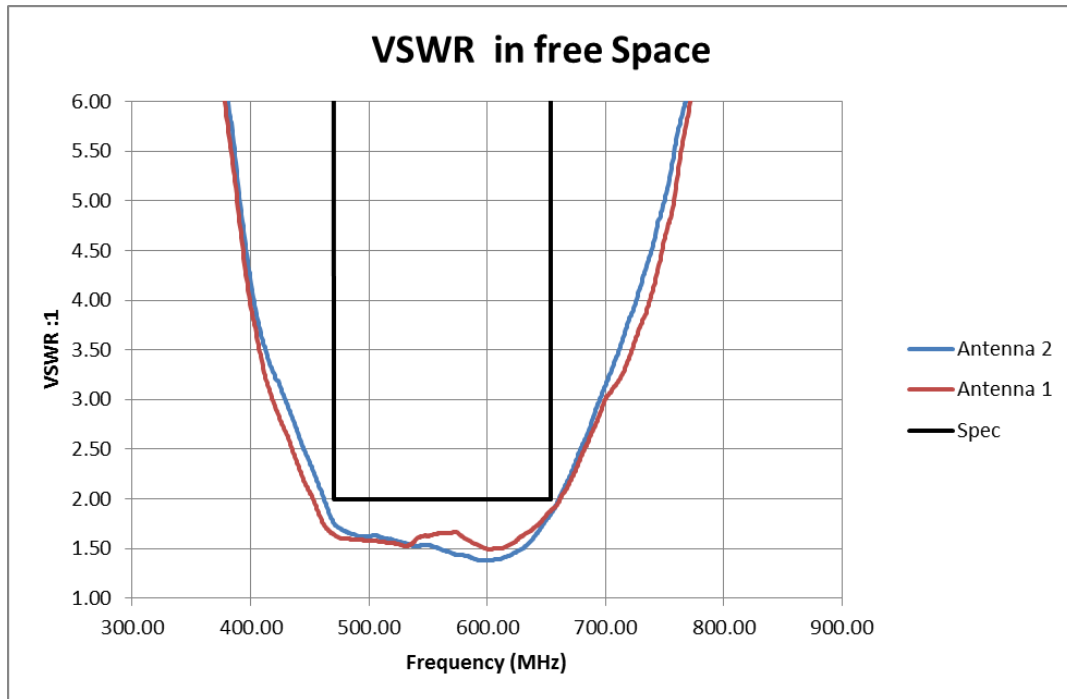
Operating temperature :	-30/+70 ° C
Storage temperature :	-40/+85 ° C
ROHS compliant	
REACH compliant	
China ROHS compliant	

PACKAGING

20 antennas packed in a antistatic plastic "ZIP" bag.
1 label on each bag with qty, part number, date code, batch number.
10 bags of 20 antennas packed in a 5L cardboard box (approximate weight 3Kg)
1 label on each box with qty, part number, date code, batch number.

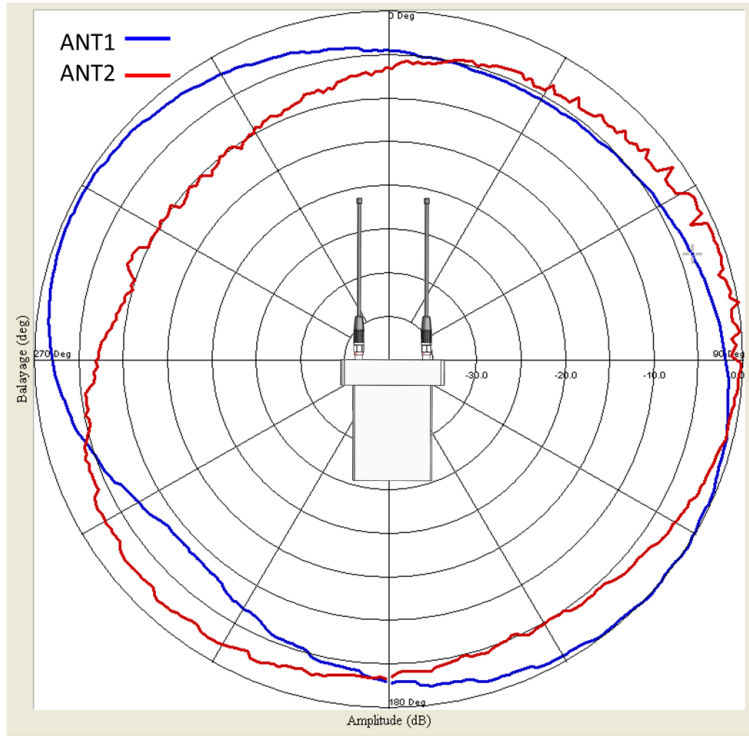
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ELECTRICAL CHARACTERISTICS

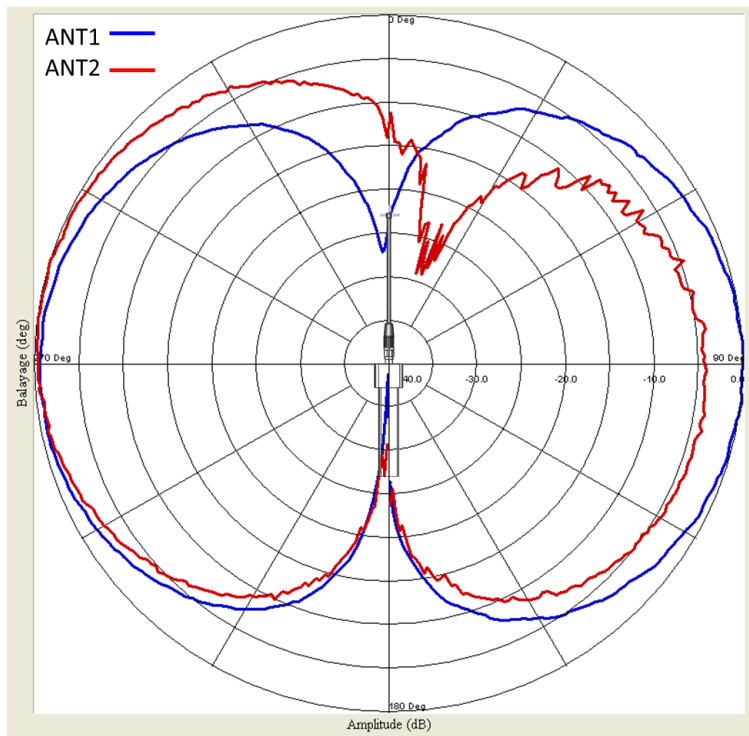


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RADIATION PATTERNS (TYP.)

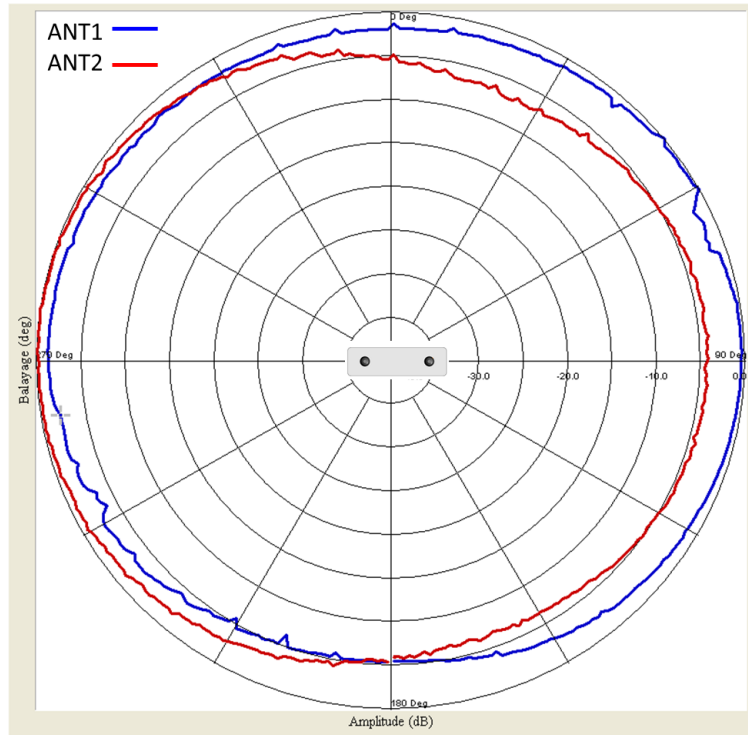


Normalized plots – Elevation plane 1

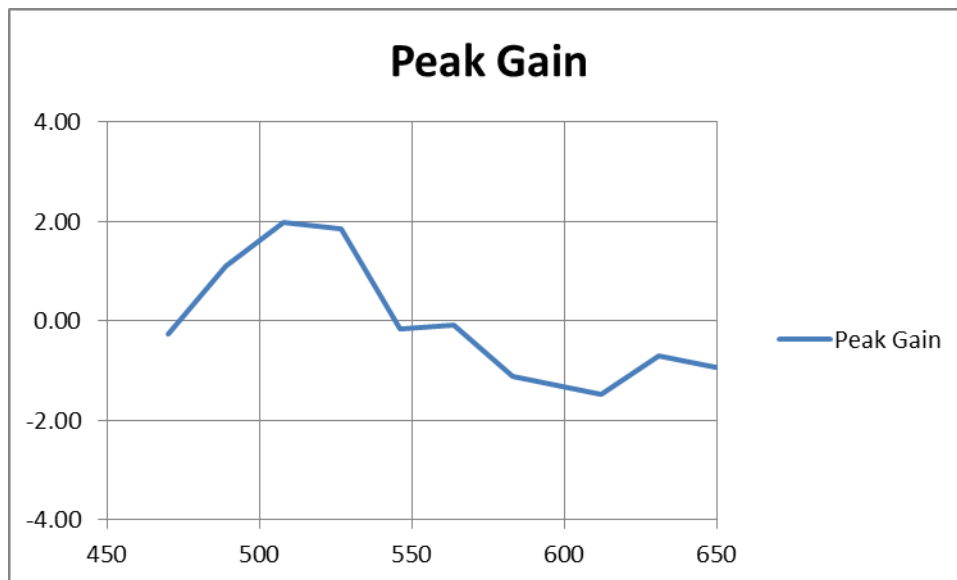


Normalized Plots – Elevation plane 2

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Normalized plots - Horizontal plane



Peak Gain of Antenna on the Radio (Free Space)