

Wisycom MTP61 Wireless Microphone - Antenna Characteristics



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Brief description:

The MTP61 is a wireless pocket transmitter specially designed for professional wireless microphone applications.

It operates in the UHF band (470-663 MHz + 940-1075 MHz).

To cover the whole frequency range of MTP61, the transmitter is supplied with the following whip antennas:

Code	Description
AWSS-507	Whip antenna with SSMA connector, range 470-547 MHz
AWSS-590	Whip antenna with SSMA connector, range 547-663 MHz
AWSS-950	Whip antenna with SSMA connector, range 940-960 MHz

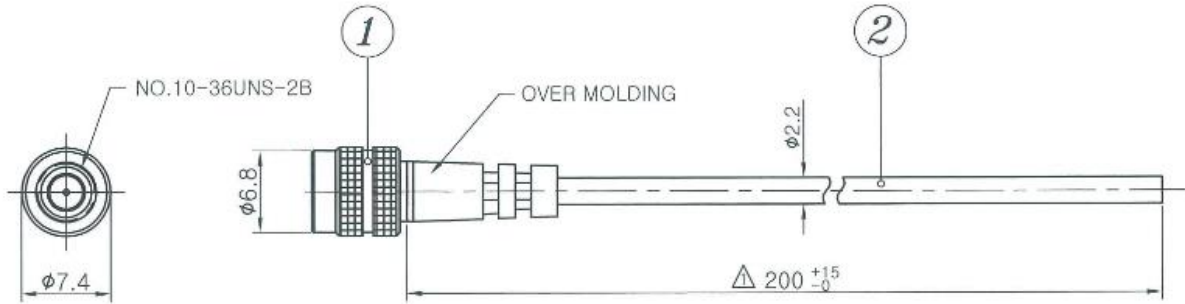
Each antenna is identified with the code (3 digit) which is approximatively the central frequency of the range.

According to the frequency set on the transmitter MTP61, the firmware of the transmitter suggests the right code of antenna to use.

The antenna must be attached directly to the SSMA connector on the MTP61 transmitter.



Antenna specifications:

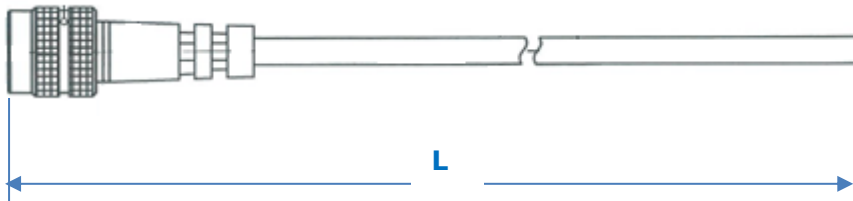


Index	Component	Material	Surface treatment
①	SSMA connector	brass	nickel
②	wire	stainless steel and urethane	black

The antenna is cut in Wisycom factory according to the operative frequency range:

Code	Length
AWSS-507	139 mm
AWSS-590	115 mm
AWSS-950	73 mm

The length of cuts is inclusive of the SSMA connector (as shown in the picture)



Radiation pattern:

Antenna code 507 (range 470- 547 MHz):

Wisycom code: AWSS-507

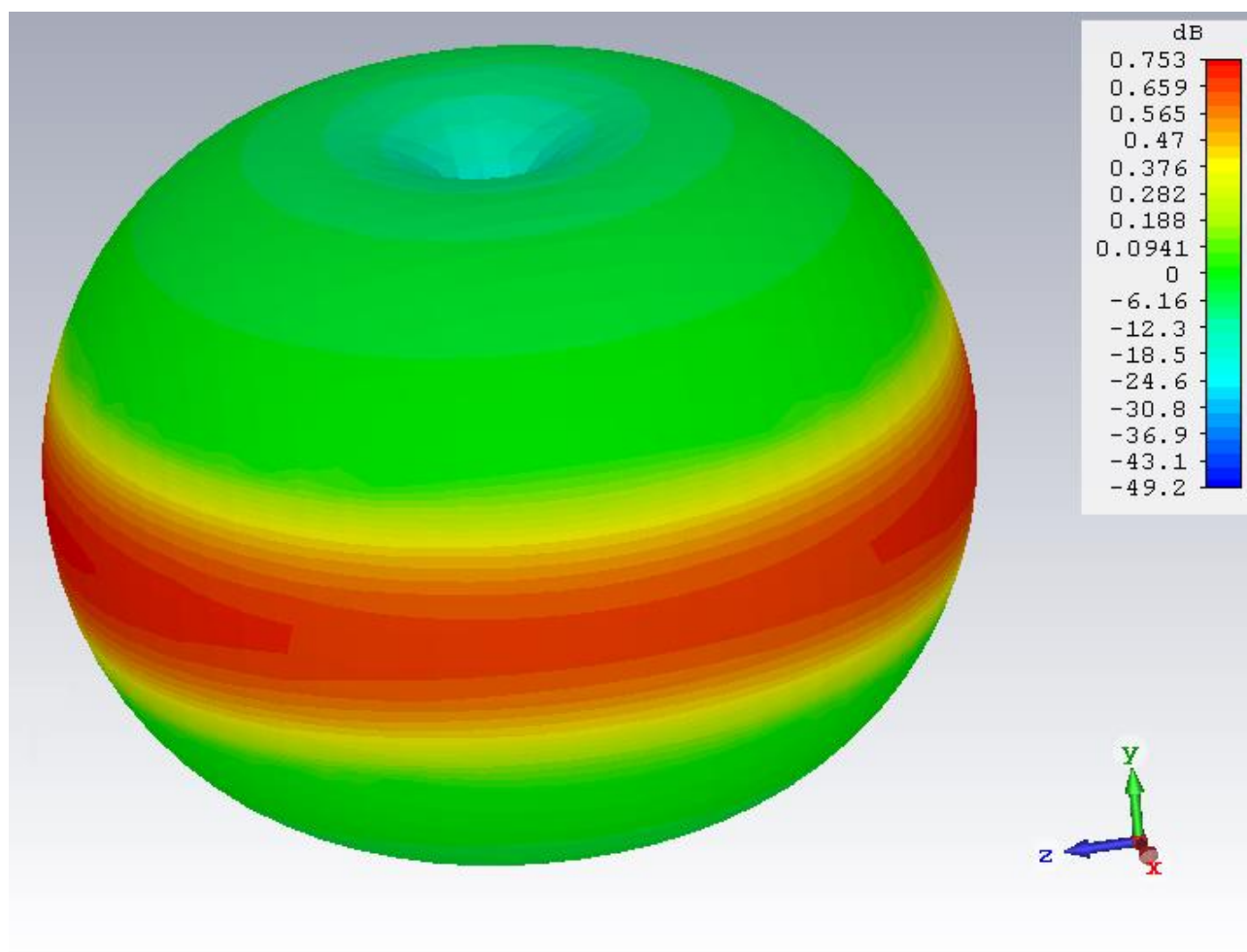


Max Gain [dBi]: +0.8

Temperature condition: +22°C

Voltage condition: 3.7V

Frequency: 510 MHz



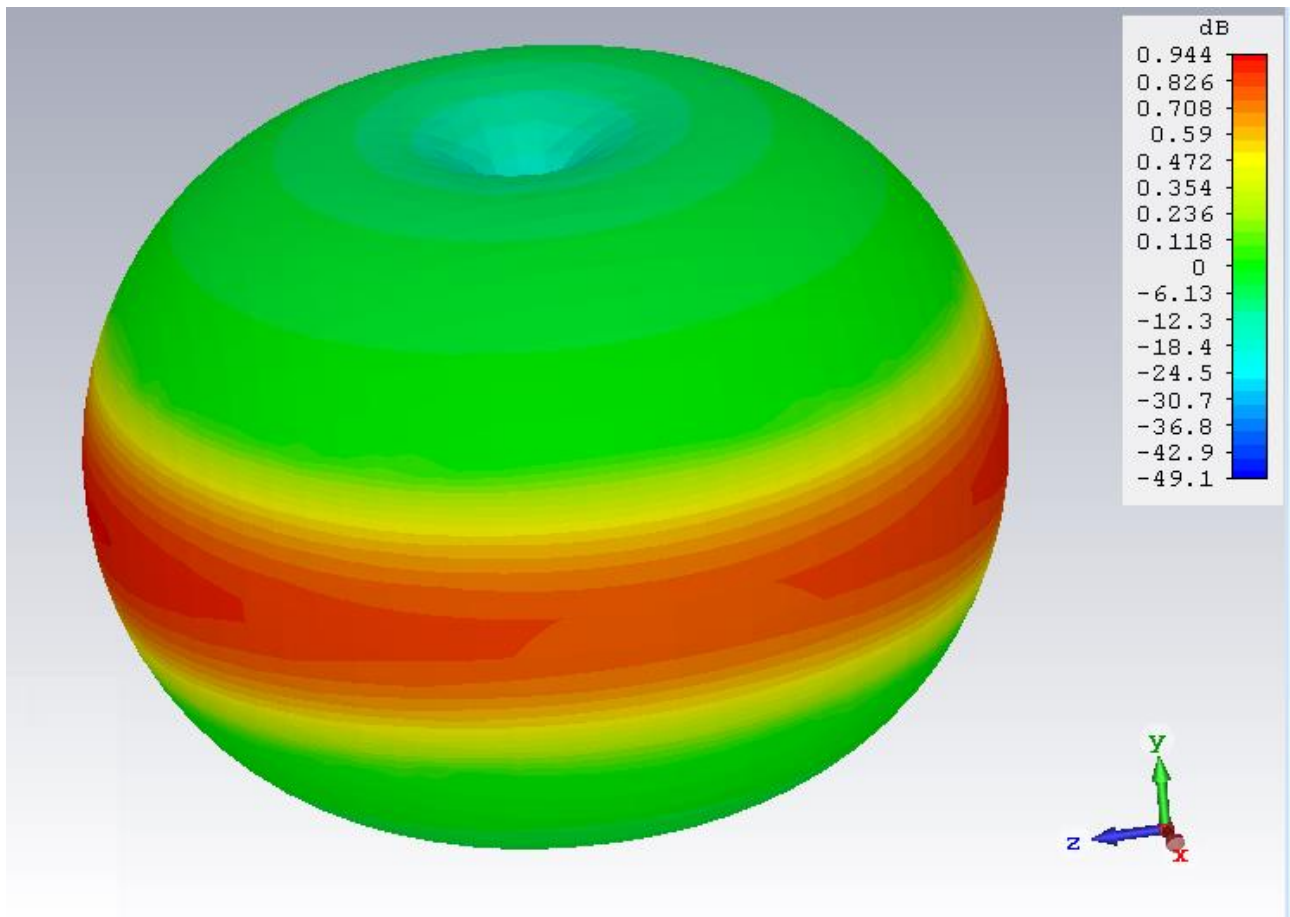
Antenna code 507 - 3D radiation patterns and scale

Antenna code 590 (range 547-663 MHz):

Wisycom code: AWSS-590



Max Gain [dBi]: +1
Temperature condition: +22°C
Voltage condition: 3.7V
Frequency: 600 MHz



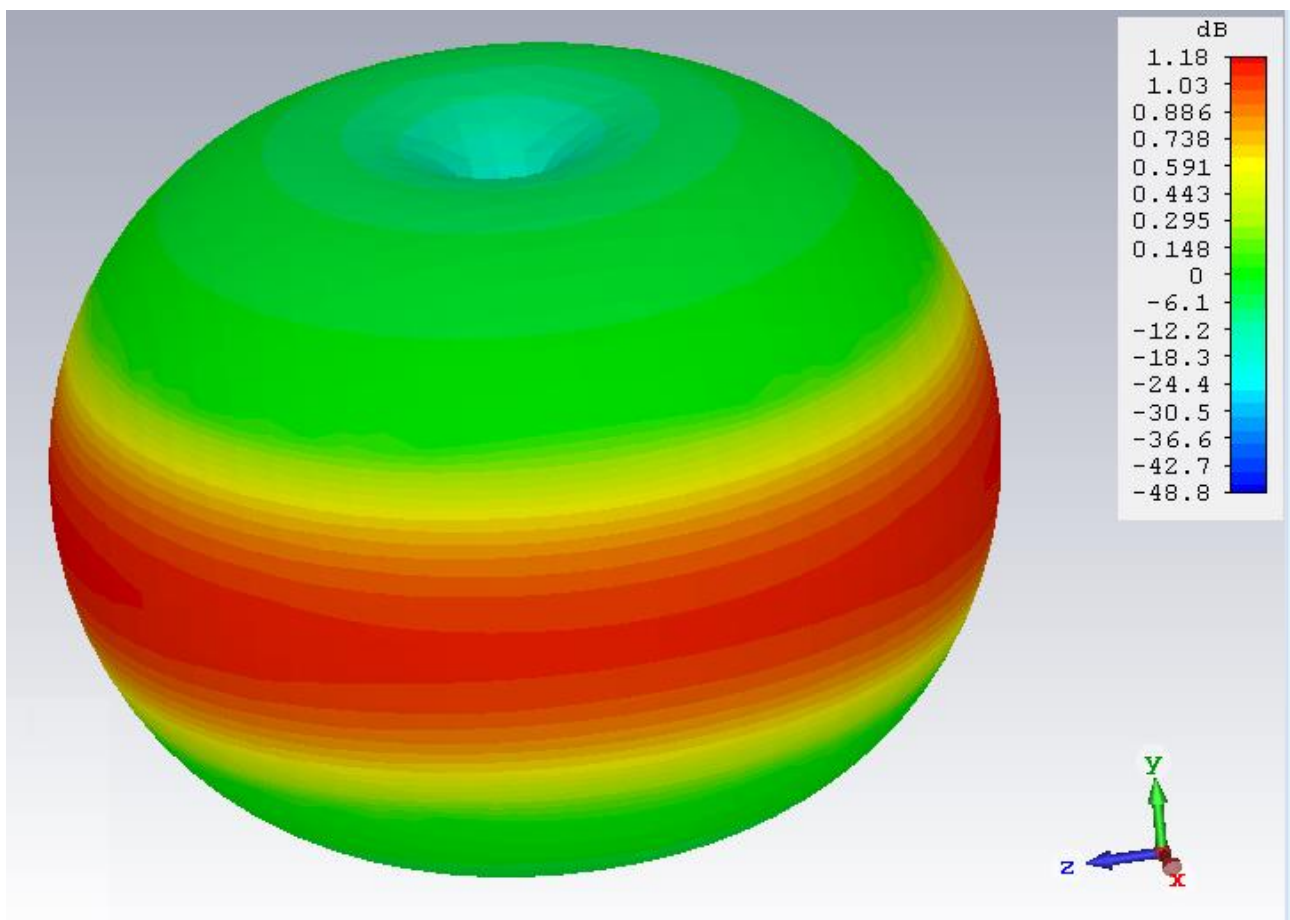
Antenna code 590 - 3D radiation patterns and scale

Antenna code 950 (range 940 - 960 MHz):

Wisycom code: AWSS-950



Max Gain [dBi]: +1.2
Temperature condition: +22°C
Voltage condition: 3.7V
Frequency: 950 MHz



Antenna code 950 - 3D radiation patterns and scale