

Approval sheet

1. GENERAL DESCRIPTION

P/N
MT-300(our part NO. UF-007

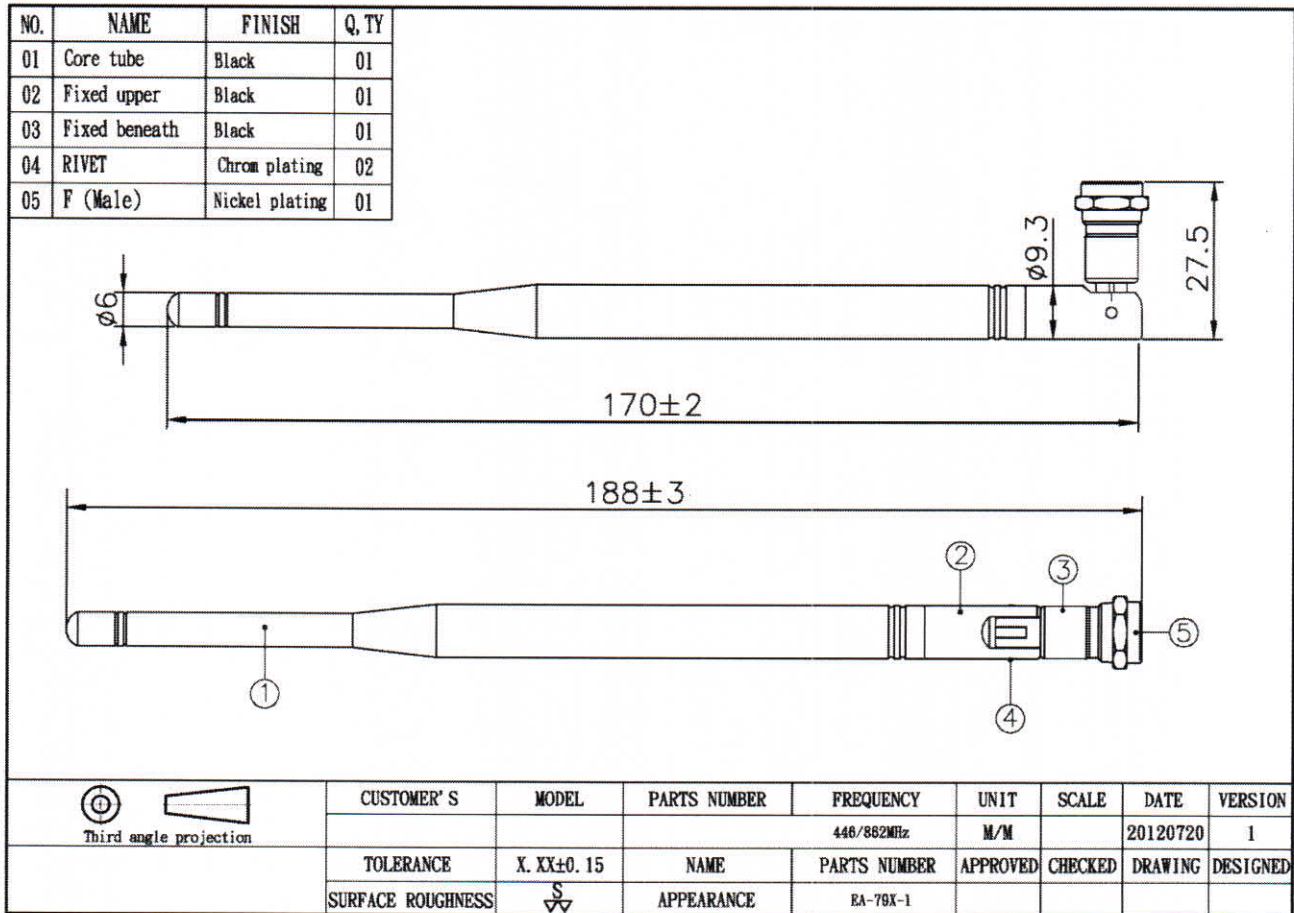
1.1 Electrical Properties

Parameter	Description
Frequency Band	446/862 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.3:1

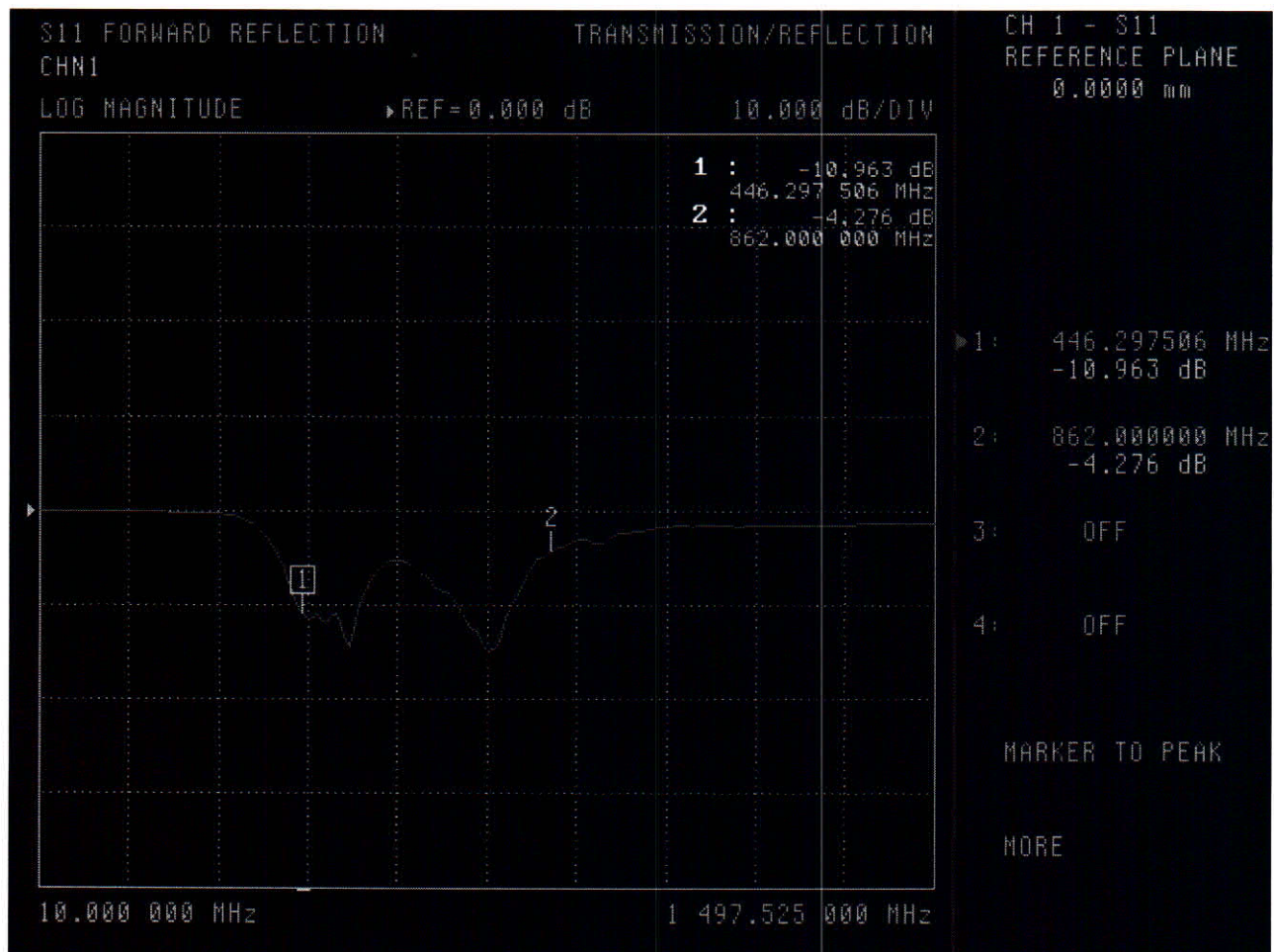
1.2 Mechanical Properties

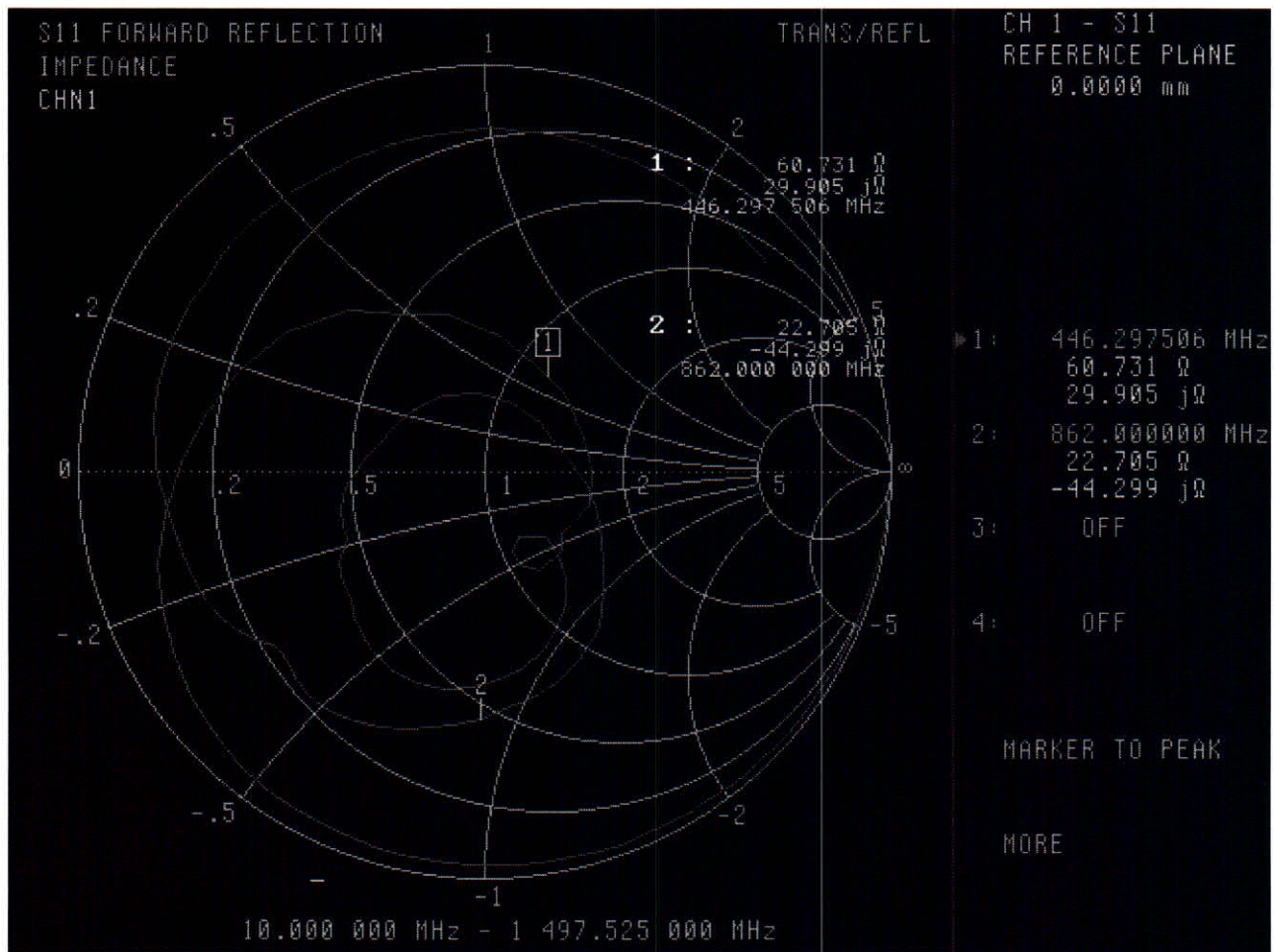
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	TPE
Touch Type	Screw Type
Connector Type	F 180°
Antenna Dimensions	188mm±3
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

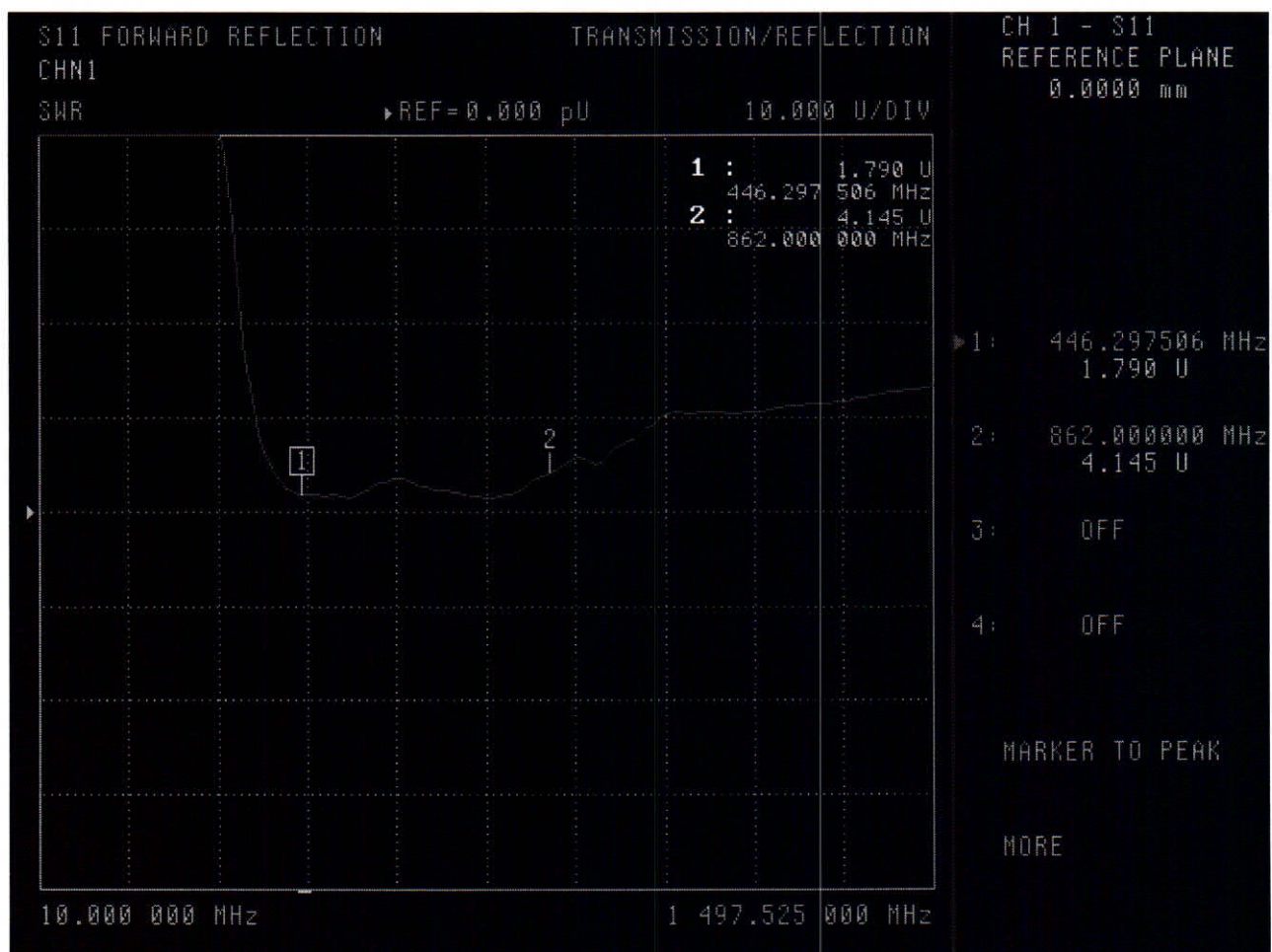
2. APPEARANCE:



3. Return Loss, V.S.W.R. and Smith Chart









CTIA OTA Performance Test Record

Model	MT-300_3D_FS_446-862MHz				
Test / Position	Gain /Free Space				
Frequency	446	654	862		
Ant. Port Input Pwr. (dBm)	0	0	0		
Tot. Rad. Pwr. (dBm)	-16.80	-7.53	-3.82		
Peak EIRP (dBm)	-14.21	-4.84	-0.84		
Directivity (dBi)	2.60	2.68	2.98		
Efficiency (dB)	-16.80	-7.53	-3.82		
Efficiency (%)	2.09	17.67	41.53		
Gain (dBi)	-14.21	-4.84	-0.84		
NHPRP $\pm\pi/4$ (dBm)	-18.31	-9.02	-5.39		
NHPRP $\pm\pi/6$ (dBm)	-19.91	-10.57	-6.78		
Boresight Phi (°)	16.20	14.11	14.89		
Boresight Th. (°)	2.51	2.63	2.76		
Note					