



Single band kit for mobile signals

art. 39-001K
T-KIT 700

Kit equipped with an amplifier ideal for the amplification of the mobile phone signal in band 28 (700 MHz) inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak or absent, provided that a good quality signal is received outside.
Ideal for amplifying the signal in areas up to 250 m².

The kit includes:

- no.1 outdoor antenna
- no.1 amplifier
- no.1 10 mt. coaxial cable with an SMA connector and a N connector
- no.2 adapters N male/SMA female
- no.1 indoor whip antenna
- no.1 switching power supply
- no.1 fixing accessories kit

Code	39-001K	
Item	T-KIT 700	
OUTDOOR ANTENNA		
Type	directional, logarithmic shape	
Frequencies	MHz	880+960 + 1710+2700
Gain	dB	12
Connector	female N type	
Fixing clamp for masts Ø	mm	25÷42
INDOOR ANTENNA		
Type	omnidirectional, whip	
Frequencies	MHz	900+2500
Connector	male SMA type	
AMPLIFIER		
Band name	28	
Band	MHz	700 MHz
Uplink frequencies	MHz	703 + 733
Downlink frequencies	MHz	758 + 788
Bandwidth	MHz	30
Max gain	dB	Uplink: ≥65 / Downlink: ≥70
Max output power	dBm	Uplink: ≥15 / Downlink: ≥20
Coverage area	m²	250
AGC control range	dB	≥25
Manual gain adjustment	dB	31 (1 dB per time)
Max input power	dBm	-25
Impedance	Ω	50
Noise figure	dB	≤6
Group delay time	µs	≤1
VSWR	dB	≤2
Spurious emissions 9 kHz - 1 GHz	≤-36 dBm	
Spurious emissions 1 GHz - 12.75 GHz	≤-30 dBm	
Consumption	W	12
Connectors	female N type	
Operating temperature	°C	-10 ÷ +50
Environmental conditions	IP40	
Wall fixing accessory	included	
Dimensions (LxWxH)	mm	128x170x65
Weight	Kg	2,2
Packaging dimensions (LxWxH)	mm	440x310x260
Packaging weight	Kg	2,9
POWER SUPPLY		
Power supply	Vdc	6
Max power consumption	A	3
AC main tension	100-240 V~ 50/60Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	90x40x50
Weight	Kg	0,135
COAXIAL CABLE		
Length	mt.	10
Diameter	Ø	6,1
Connectors	male SMA type and male N type	
Impedance	Ω	50

In order to obtain the maximum output power of the amplifier (+20 dBm = 127 dBμV), the input signal to the amplifier must be at least -50 dBm (57 dBμV).

Amplifier characteristics

- Max gain 70 dB with Automatic Gain Adjustment (AGC)
- Detection functions for self-oscillation and overpower
- LED indicators for status, power, alarms
- Compliant to:
2014/53/UE/RED; 2011/65/UE (RoHS)
EN 301 489-50 V2.1.1; EN 301 489-50 V2.3.1;
EN 301 489-1 V2.1.1; EN 301 489-1 V2.2.3;
EN 301 908-11 V11.1.2; EN 301 908-1 V.13.1.1;
EN 301 908-15 V15.1.1; EN 303 609 V12.5.1;
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013; EN 62368-1:2014+A11:2017;
EN 50385:2017; EN 62311:2020

Example of application

