

## Electrical Specifications

Frequency Range (MHz)	1710~2690 (x4)	
	1710~2170	2170~2690
Polarization	±45°	
Gain (dBi, ±1dB)	15	15.5
Gain with tilt (dBi, ±1dB)	0° ... 5° ... 10° 15 ... 14.8 ... 14.5	0° ... 5° ... 10° 15.5 ... 15.3 ... 15
<b>Horizontal Pattern</b>		
Half-Power Beamwidth (±5°)	68°	63°
Front-to-Back Ratio (180°±30°)	≥ 25 dB	≥ 25 dB
Cross-Pol Ratio(broadside) 0° Sector ±60°	≥ 15dB Typically:10dB	
<b>Vertical Pattern</b>		
Half-Power Beamwidth (±5°)	12.5°	10°
Electrical Downtilt Range ( °)	0° ~ 10°	0° ~ 10°
1st Upper Sidelobe Suppression±30°	<-18dB	<-18dB
VSWR/ReturnLoss	< 1.5/<-14dB	
In-Band Isolation Port to Port	≥ 25dB	
Inter-Band Isolation Port to Port	≥ 30dB	
Intermodulation (IMD3)	<-150dBc (2x43dBm carrier)	
Max. Power per Input	250 /250 W (at 50 °C ambient temperature)	
Impedance	50 Ω	
LightningProtection	DC ground	

Note: All the values are according to NGMN Alliance BTS Standards calculating recommendation.

## Mechanical Specifications

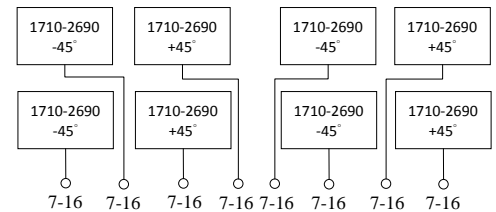
Connector	8 x 7-16 DIN(F)
Connector Position	Bottom
Radome Material	ASA
Radome Color	Gray
Operating Temperature	-40 °C~65 °C
Humidity	95% RH@+30 °C
Rated Wind Speed	201 km/h, 125 mph
Rated Wind Loading (Rear)	690 N@200 mph
Mounting Hardware	Ø50~115 mm
Mechanical Downtilt Range ( °)	0° ~ 20°
Antenna Weight	22Kg
Packing Weight	29Kg
Height/Width/Depth	1550 / 319 / 127 mm
Packing Size	1696 / 437 / 295 mm

## Options

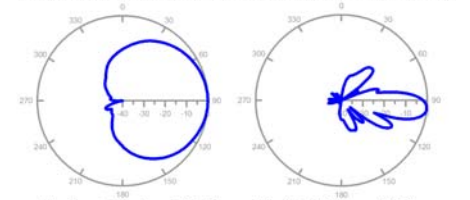
Internal RET	
Input voltage range	10-30 V
Power Consumption	<1 watt (standby) <8.5 watts (motor activated)
Protocols Compliant	3GPP / ASIG 2.0 / ASIG 1.1
Mounting kit models	MKT20-V100

### Internal Mounted Smart Bias "T"

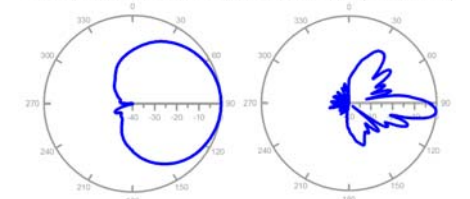
Note: F: For antenna with fixed tilt.  
R: For antenna with remote adjustable.  
M: For antenna with manual adjustable.



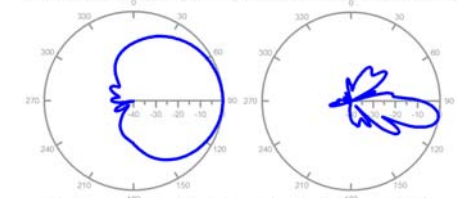
1710-2690 MHz +45° / -45° Polarization (1800MHz)



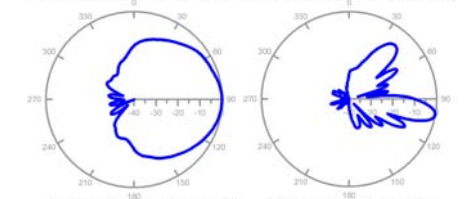
1710-2690 MHz +45° / -45° Polarization (2690MHz)



1710-2690 MHz +45° / -45° Polarization (1800MHz)



1710-2690 MHz +45° / -45° Polarization (2690MHz)



Horizontal Pattern Tilt 10° Vertical Pattern Tilt 10°