

Electrical Specifications

Frequency Range (MHz)	1710~2690 (x2)	
	1710~2170	2170~2690
Polarization	±45°	
Gain (dBi, ±1dB)	16.5	17.5
Gain with tilt (dBi, ±1dB)	0°... 5°... 10° 16.5 ... 16.5 ... 16	0°... 5°... 10° 17.5 ... 17.5 ... 17

Horizontal Pattern		
Half-Power Beamwidth (±5°)	66°	63°
Front-to-Back Ratio (180°±30°)	≥25 dB	≥25 dB
Cross-Pol Ratio(broadside) 0° Sector ±60°	≥15dB Typically:10dB	

Vertical Pattern		
Half-Power Beamwidth (±5°)	8.5°	6.5°
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	
Lightning Protection	DC ground	

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

Mechanical Specifications

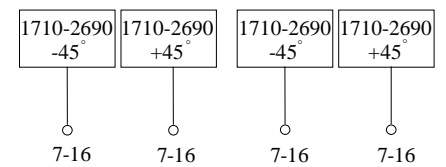
Connector	4 x 7-16 DIN(F)
Connector Position	Bottom
Radome Material	UV resistant
Radome Color	Gray
Operating Temperature	-40 °C~65 °C
Humidity	95% RH@+30 °C
Rated Wind Speed	201 km/h, 125 mph
Rated Wind Loading (Rear)	600 N@200 mph
Mounting Hardware	Φ50~115 mm
Mechanical Downtilt Range (°)	0° ~ 20°
Antenna Weight	16 kg
Packing Weight	21 kg
Height/Width/Depth	1380 /319 /127mm
Packing Size	1526 / 437 / 295mm

Options

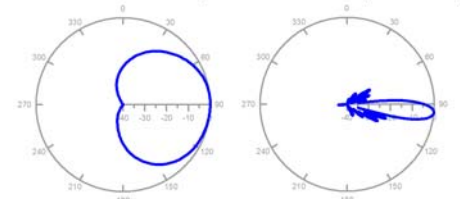
Internal RET	
Input voltage range	10-30 V
Power Consumption	<1 watt (standby) <8.5 watts (motor activated)
Protocols Compliant	3GPP /ASIG 2.0 /ASIG 1.1
Mounting kit models	MKT20-V100

Internal Mounted Smart Bias "T"	
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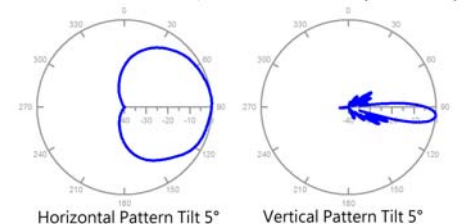
Note: F: For antenna with fixed tilt.
R: For antenna with remote adjustable.
M: For antenna with manual adjustable.



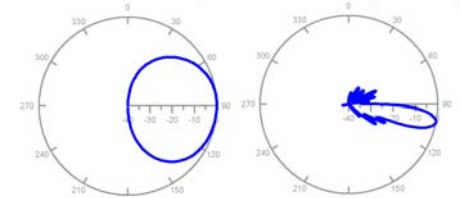
1710-2690 MHz +45° / -45° Polarization (1800MHz)



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