

Electrical Specifications

Frequency Range (MHz)	1710~2690 (x2)	
	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
Horizontal Pattern		
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	
Vertical Pattern		
Half-Power Beamwidth (±5°)	12.5°	10°
Electrical Downtilt Range (°)	0° ~ 10°	0° ~ 10°
1st Upper Sidelobe Suppression±30°	<-19dB	<-19dB
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

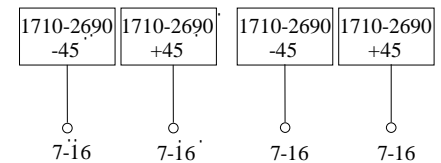
Connector	4 x 7-16 DIN(F)
Connector Position	Bottom
Radome Material	ASA
Radome Color	Gray
Operating Temperature	-40 °C~65 °C
Humidity	95% RH@+30 °C
Rated Wind Speed	201 km/h, 125 mph
Rated Wind Loading (Rear)	360 N@200 mph
Mounting Hardware	Ø50~115 mm
Mechanical Downtilt Range (°)	0° ~ 20°
Antenna Weight	9.9Kg
Packing Weight	15.2Kg
Height/Width/Depth	850 / 319 / 127 mm
Packing Size	996 / 437 / 295 mm

Options

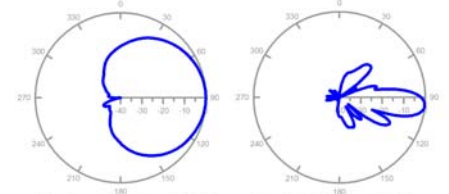
Internal RET	
Input voltage range	10-30 V
Power Consumption	<1 watt (standby) <8.5 watts (motor activated)
Protocols Compliant	3GPP / ASIG 2.0 / ASIG 1.1
Mounting kit models	MKT20-E66

Internal Mounted Smart Bias "T"

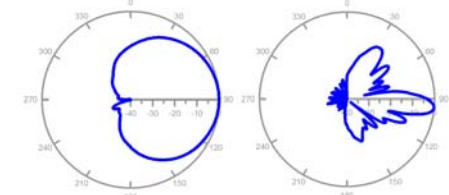
Note: F: For antenna with fixed tilt.
R: For antenna with remote adjustable.
M: For antenna with manual adjustable.



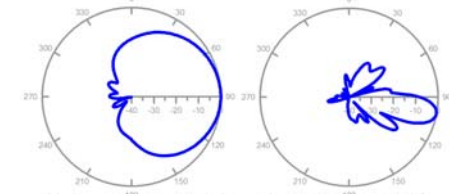
1710-2690 MHz +45° / -45° Polarization (1800MHz)



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