

Electrical Specifications

Frequency Range (MHz)	1710-2690 MHz (x3)		
	1710-2200 MHz	2200-2490 MHz	2490-2690 MHz
Polarization	±45°		
Gain (dBi, ±1dB)	15.0	16.0	16.5
Gain with tilt (dBi, ±1dB)	0° 5° 10° 15 15 15	0° 5° 10° 16 16 16	0° 5° 10° 16.5 16.5 16.5

Horizontal Pattern

Half-Power Beamwidth (±6°)	66	64	61
Front-to-Back Ratio (180°±30°)	≥ 25dB	≥ 25dB	≥ 25dB
Cross-Pol Ratio(broadside) 0° Sector ±60°	15dB Typically : 10dB		

Vertical Pattern

Half-Power Beamwidth (±1°)	13.5	11	9.5
Electrical Downtilt Range (°)	0° ~ 10°		
1st Upper Sidelobe Suppression±30°	<-18dB	<-18dB	<-18dB
VSWR	< 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	6 x 7-16 DIN(F)
Connector Position	Bottom
Radome Material	UPVC/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)	460 N@200 mph
Mounting Hardware	Φ50~115 mm
Mechanical Downtilt Range (°)	0 ~ 20
Antenna Weight	18 Kg
Packing Weight	23.6 Kg
Antenna Size (LxWxH)	950 x 394x 144 mm
Packing Size (LxWxH)	1175 x 512 x 296 mm

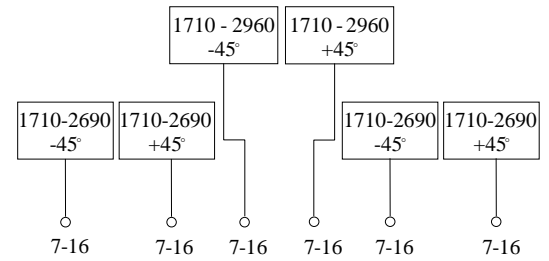
Options

Internal RET	
Input voltage range	10-30 V
Power Consumption	<1 watt (standby) <8.5 watts (motor activated)
Protocols Compliant	3GPP/ASIG2.0/ASIG 1.1
Mounting kit models	MKT20-V75

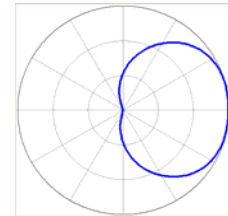
Note: F: For antenna with fixed tilt.

R: For antenna with remote adjustable.

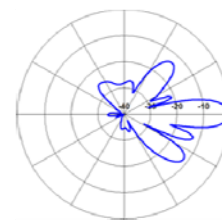
M: For antenna with manual adjustable.



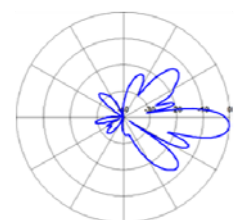
1710-2690 MHz +45°/ -45° Polarization



Horizontal Pattern Tilts 5°



Vertical Pattern Tilts 0°



Vertical Pattern Tilts 5°