11dBi 65° Antenna (4port)

Electrical Specification

Product Number		FSM654H1
Frequency Range (MHz)		1730 ~ 1845
3 dB Beam-Width	Horizontal	65°
	Vertical	30°
Gain (dBi)		11.3
Fixed Down Tilt		0°
1st Upper Side Lobe Suppression		> 10 dB
Front-to-Back Ratio ± 30° (Total power)		> 25 dB
Polarization Type		Dual, Slant ± 45°
Cross-Polar Discrimination (XPD)	Boresight	> 15 dB
	± 60°	N/A
Input Maximum CW Power		50 W / Port (Total 200 W)
Impedance (Ω)		50
VSWR		< 1.5
Port Isolation	Intra Array	≥ 25 dB
	Inter Array	≥ 25 dB
Passive Intermodulation, IM9 (@2 x 20W)		≤ - 166 dBc

Mechanical Specification

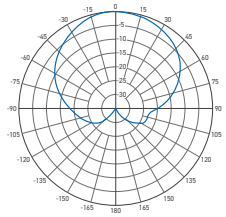
Dimension (W x D x L)	280 x 117 x 300mm (11 x 4.6 x 11.8 inch)
Antenna Weight	3.8 kg (8.4 lbs)
Wind Load (@90 m/s)	300 N (Front) / 391 N (Maximum)
Connector (Type / Position)	4 x 4.3-10 (Female, Bottom)
Radome Material	ASA + PC
Radome Color	Gray

Accessories (Mechanical Down-tilt KIT)

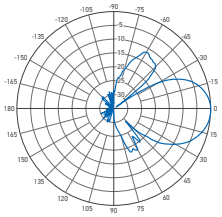
Weight	4.3 kg (9.5 lbs)
Material	Hot-dip galvanized steel [SS400]
Mounting Pole Diameter	Ø 89.1, Ø 101.6, Ø 114.3 mm

Pattern

1730 ~ 1845 MHz



Horizontal

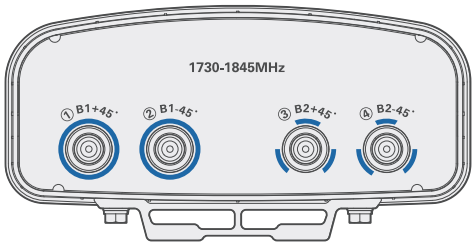


Vertical

Perspective View



Bottom View



Block Diagram



Antenna Bottom

Correlation Table

Frequency Range	Array	Connector
1730 ~ 1845 MHz	B1	4.3-10 Female
1730 ~ 1845 MHz	B2	4.3-10 Female

Note

- Value based on NGMN-P-BASTA(version 10.0) requirements
- RoHS compliance
- Gain can vary and the values stated are typical
- Accessory: standard Mounting Kit is included (Multi down Tilt, KCLDM6F460010 is sold separately)