



SPECIFICATIONS

Smarteq™ AllDisc Combi MIMO WiFi-7, GNSS Antenna Platform

Combination Antennas – GNSS + Cellular + MIMO 2x2 WiFi

Standard Configurations

Model	Elements	Cable	Cable Length	Code	Connector	Housing Color	Mount	Accessories
710260	LTE	RG316, grey	0.20m	D	FAKRA-Male	Black	Hole mount with center screw and adhesive tape	710452 – AllDisc bracket 710598 – Slitted nut 710206 – Extension nut
	GNSS	RG316, grey	0.25m	C				
710261	LTE	RG316, grey	0.20m	D	FAKRA-Male	Black		
	GNSS	RG316, grey	0.25m	C				
	WiFi-7 (1)	RG316, grey	0.30m	I				
710501	LTE	RG316, grey	0.20m	D	FAKRA-Male	Black		
	GNSS	RG316, grey	0.25m	C				
	WiFi-7 (1)	RG316, grey	0.30m	I				
	WiFi-7 (2)	RG316, grey	0.35m	I				
710280	LTE	RG316, grey	2.5m		SMA-m	Black		
	GNSS	RG316, grey	2.5m		RP SMA-m			
710450	LTE	RG316, grey	2.5m		SMA-m	Black		
	GNSS	RG316, grey	2.5m					
710478	LTE	RG316, grey	5m		SMA-m	Black		
	GNSS	RG316, grey	5m					

Electrical Specifications – RF Antennas (All Models)

Frequency Ranges	VSWR ¹	Peak Gain ²	Efficiency ³	Correlation Factor	Nominal Impedance	Polarization	Radiation Characteristics	Max. Power ⁴	DC Short
LTE / 5G									
617 - 698 MHz	< 3:1	1 dBi	~40%	<0.02	50Ω	Linear, vertical	Omnidirectional	10 watts	Yes
698 - 960 MHz	< 2.7:1	5.5 dBi	~65%						
1710 - 2690 MHz	< 2.1:1	4.5 dBi	~77%						
3300 - 3800 MHz	< 1.9:1	6.5 dBi	~66%						
WiFi-7 (1 & 2)									
2400 - 2485 MHz	1.5:1	8.5 dBi	85%	<0.02	50Ω	Linear, vertical	Omnidirectional	10 watts	
4900 - 6000 MHz	2:1	10.5 dBi	75%						
6000 - 7200 MHz	2,5:1	10 dBi	60%						

Electrical Specifications – GNSS Antennas (All Bands)

Frequency Range	VSWR ¹	Peak Gain ²	Gain Active	Nominal Impedance	Polarization	DC Voltage	DC Current
1575 - 1610 MHz	≤ 2.0:1	-3.5dBic @ fc	30+2dB	50Ω	Right Hand Circular	2.8-5.5V	15-25mA

¹ VSWR values are measured at the end of 0.5m cable without a ground plane.

² Peak Gain values measured on ground plane (excluding cable)

³ Antenna efficiency measured ?

⁴ Maximum power measured at ambient temperature of 25°C