

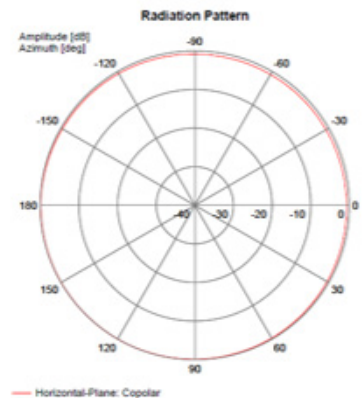
TECHNICAL DATASHEET



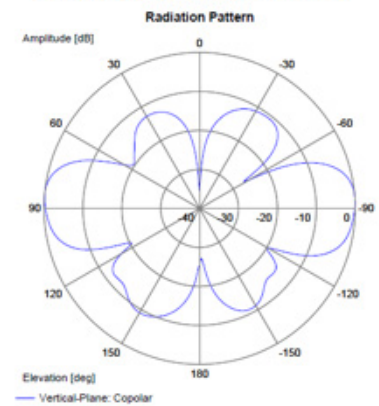
iANT 213



2.4GHz Horizontal-Plane: Copolar



2.4GHz Vertical-Plane: Copolar



Omnidirectional simple apparatus Wi-Fi and GSM antenna.

Safe to use in hazardous areas when connected to an intrinsically safe RF output, such as the iWAP series or other solutions using the iSOLATE501

Optimised for use in 2.4/5.8GHz WLAN installations, wireless mesh Ethernet networks, and GSM applications

Ideal for Wi-Fi applications needing good general coverage

Assessed by Extronics engineers as simple apparatus

Available as 2.4GHz, 5GHz, and GSM options

Rugged with wide temperature range - use indoors or outdoors

Omnidirectional coverage with up to 2.6 dBi gain

Supplied with 316L stainless steel mounting bracket

Suitable for Groups I, II, III

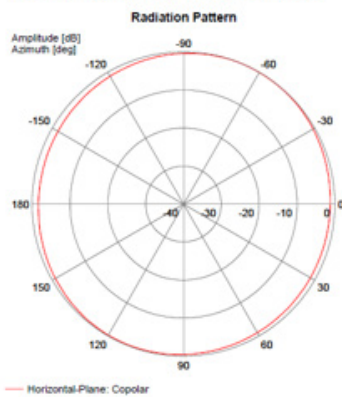
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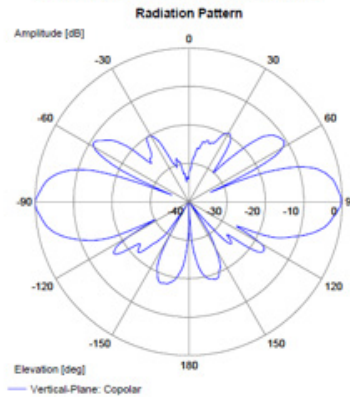
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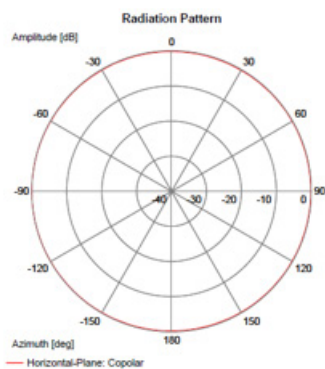
5 GHz Horizontal-Plane: Copolar



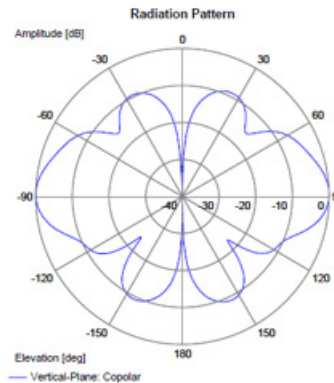
5 GHz Vertical-Plane: Copolar



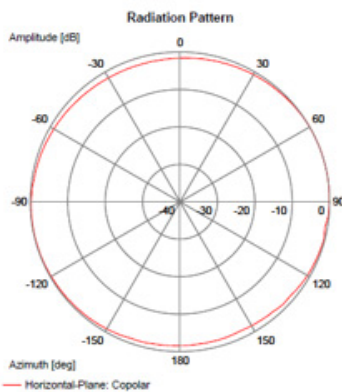
GSM Quad Band (900MHz) Horizontal-Plane: Copolar



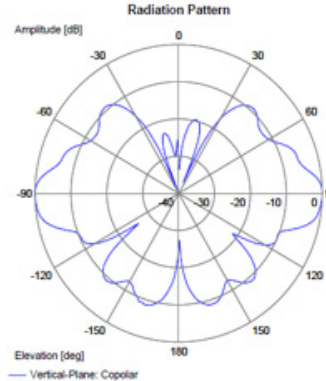
GSM Quad Band (900MHz) Vertical-Plane: Copolar



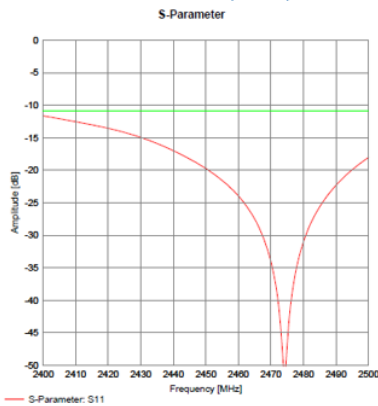
GSM Quad Band (1800MHz) Horizontal-Plane: Copolar



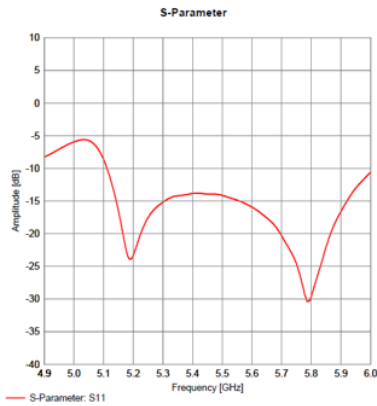
GSM Quad Band (1800MHz) Vertical-Plane: Copolar



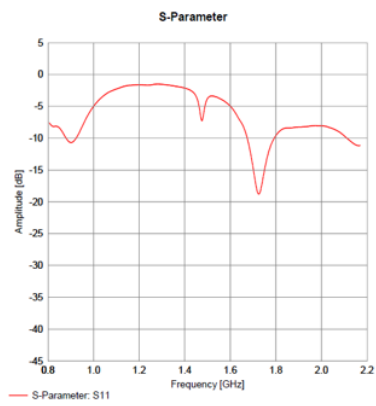
S Parameter: S11 (2.4GHz)



S Parameter: S11 (5GHz)



S Parameter: S11 (GSM Quad Band)



SPECIFICATION



	iANT213-2400	iANT213-5000	iANT213-QB
Frequency band	2400-2500 MHz	5170-5875 MHz	790-960, 1710-2690 MHz
Gain	6 dBi	5 dBi	2.3 dBi
VSWR	1.8	1.7	2.0, 1.9
Polarisation	Vertical	Vertical	Vertical
Horizontal 3dB beam width	360°	360°	360°
Vertical 3dB beam width	30°	25°	-
Mast diameter	-	38.1-76.2 mm	25-101 mm
Isolation between port	-	25 dB	-
Radome colour	RAL 7037 light grey	RAL 9002 grey-white	RAL 9003 signal white
Radome material	Glass fibre	Polypropylene	Glass fibre
Dimensions	H250 x D22 mm	H160 x D16 mm	H263 x D32 mm
Weight	30g	30g	40g
Operating temperature	-40°C to +80°C	-40°C to +70°C	-45°C to +85°C
Storage temperature	-40°C to +80°C	-40°C to +70°C	-55°C to +85°C
Composite power max	25W @ 25°C	20W @ 25°C	25W @ 25°C
Wind load	3N	7N	7N
	All variants:		
Wind speed	Operational: 160 km/h, Survival: 220 km/h		
Nominal impedance	50 Ohms		
Ingress protection	IP67		
RF connections	N jack (female). Also includes adaptor to give N plug (male)		
Mounting	Supplied with 316L stainless steel wall/pole bracket mount kit or can be fitted directly to equipment such as iWAP107 using supplied adaptor		

ORDERING INFORMATION

iANT213-2400
iANT213-5000
iANT213-QB

iANT213 omni-directional antenna 2400MHz
iANT213 omni-directional antenna 5000MHz
iANT213 omni-directional antenna GSM Quad Band

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