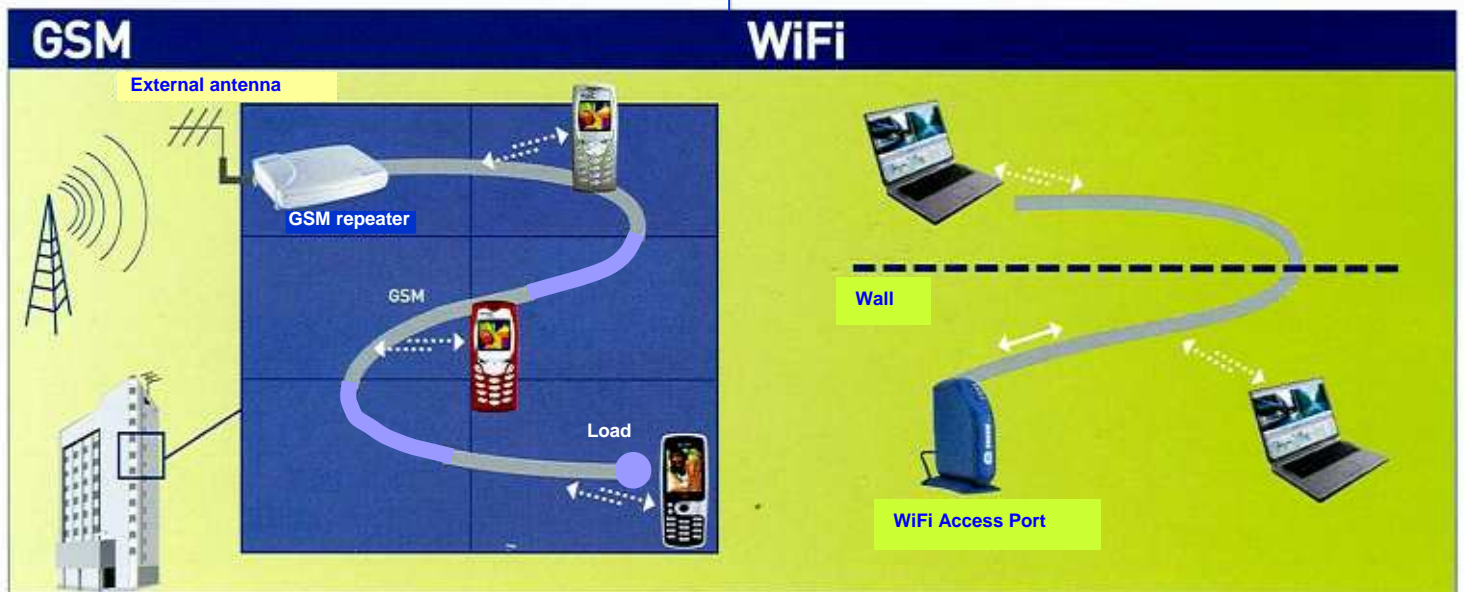


# «RADIATING QUAD» KITS

THE SMART SOLUTION FOR THE RADIO COVERAGE OF DARK AREAS



# “RADIATING QUAD” KITS

THE SMART SOLUTION FOR RADIO COVERAGE OF DARK AREAS

## Product



**Silec Cable** RADIATING QUAD is a new and unique leaky feeder concept specially designed for optimal of in-building radio coverage (GSM, UMTS, WiFi, DECT, etc...).

Small, modular and versatile SAGEM “RADIATING QUAD” KITS are particularly suited for the coverage of dark areas where solutions with traditional antennas fail. The low emission level together with a very good radiated field stability, allows a high level of confidentiality.

This product is designed to ensure a line-of-site coverage of approximately 6 m from the cable. (\*)

(\*) This characteristic depends on the environment, the cable position and the output power of the access point.

## Main transmission characteristics of the “Radiating Quad”

Applications	Impedance (Ohm)	Coupling loss (dB)		Attenuation (dB/100 m)	Return loss <sup>(2)</sup> [dB]
		C50 <sup>(1)</sup>	C95 <sup>(1)</sup>		
GSM 900 MHz	50	68	72	35	14
GSM dual-band and 1800 MHz	50	56	68	71	14
WiFi 2400 MHz	50	60	74	77	14

(1) C50, C95 : Coupling loss @ probability of 50% and 95%.

(2) Between 30 and 2400 MHz except for the rejection frequencies, i.e. : 600 / 1300 / 1700 MHz

## KITS

Application	Quad length (m)
GSM 900	100
GSM 1800	50
GSM dual-band	50
WiFi and DECT	30

**Please consult us for other applications operating with other frequencies (FM, security protocols, UMTS, etc...)**

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