



ALCATEL BUSINESS SYSTEMS

EBUSINESS NETWORKING DIVISION / CSBU

R&D – Illkirch

Specifications of IP Touch 4068 Bluetooth antenna

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Abstracts : : Specifications of IP Touch 4068 Bluetooth antenna

Doc. Plan : ComSets R D

Antenna Type : integrated Antenna

Max.Antenna Gain : 4dBi

Manufacture, Alcatel-lucent

Specifications of IP Touch 4068 Bluetooth antenna

Abstract : Specifications of IP Touch 4068 Bluetooth antenna

1 Specifications of IP Touch 4068 Bluetooth antenna

1.1 Electrical specifications

Electrical length	< $1/4 \lambda$ (integrated Antenna)
Operating frequency range	2400 MHz – 2484 MHz
Impedance	50Ω
Return Loss *	–27.1 dB typ. @ 2400 MHz –9.5 dB max. @ 2400 MHz
	–26.2 dB typ. @ 2442 MHz –9.5 dB max. @ 2442 MHz
	–17.2 dB typ. @ 2484 MHz –9.5 dB max. @ 2484 MHz
Polarization	Linear
Gain *	–1 dBi typ. @ 2400 MHz 2 dBi max. @ 2400 MHz
	–2 dBi typ. @ 2442 MHz 4 dBi max. @ 2442 MHz
	–5 dBi typ. @ 2484 MHz 0 dBi max. @ 2484 MHz
Radiation pattern	Omni directional
Input power (max.)	2.5 mW

* See attached figures for additional details.

1.2 Operating temperature range

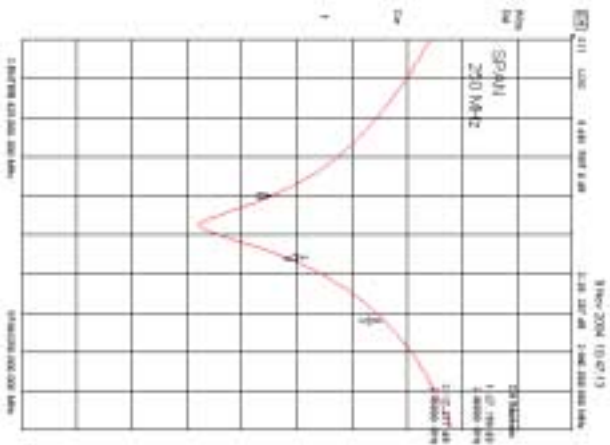
–20 °C ~ 55 °C

Electronic Appraisal by Document Manager

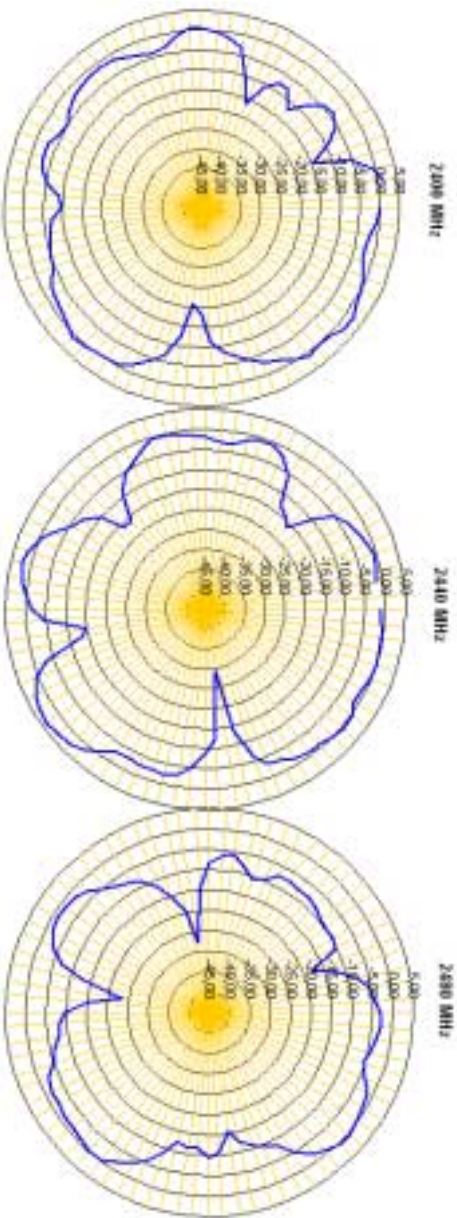
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1.3 Figures

1.3.1 Return Loss



1.3.2 Gain



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