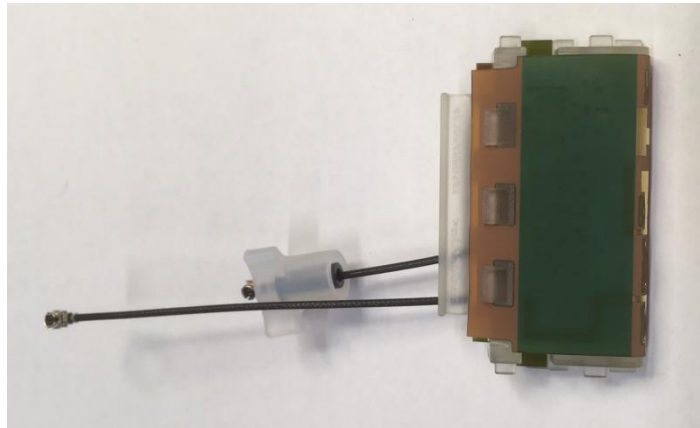


453564521801, 453564682561, 453564817421, and 453564682551 Antenna Specification



This antenna combines two antennas on one flexible base PCB. For mechanical stability the flexible PCB is wrapped around a plastic holder. The 2.4 GHz / 5 GHz dual band antenna is meant to be used with WLAN or 2.4 GHz IIT radios. The antenna cables are permanently attached (soldered). To allow for different configurations of the host device the antenna can be configured with different antenna cables (see Partnumbers / Configurations in the table below). The actual flexible PCB antenna is identical for all configurations.



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Registergericht Stuttgart Reg.-Nr. HRB 245187, Sitz der Gesellschaft: Böblingen

www.philips.com/healthcare

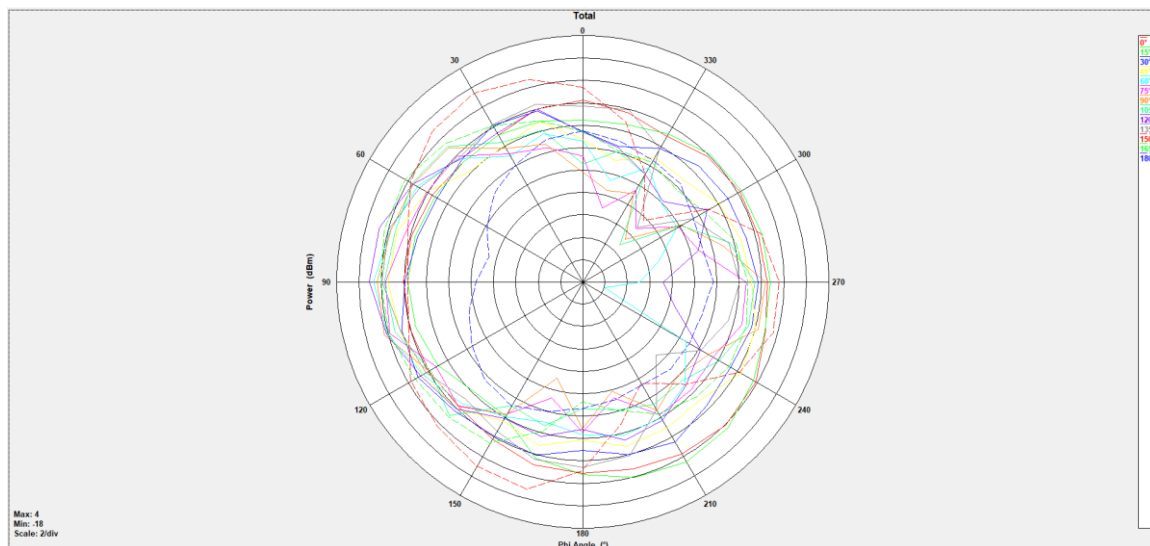
453564521801, 453564682561, and 453564682551 Antenna
Specification Rev. 1646

Specifications

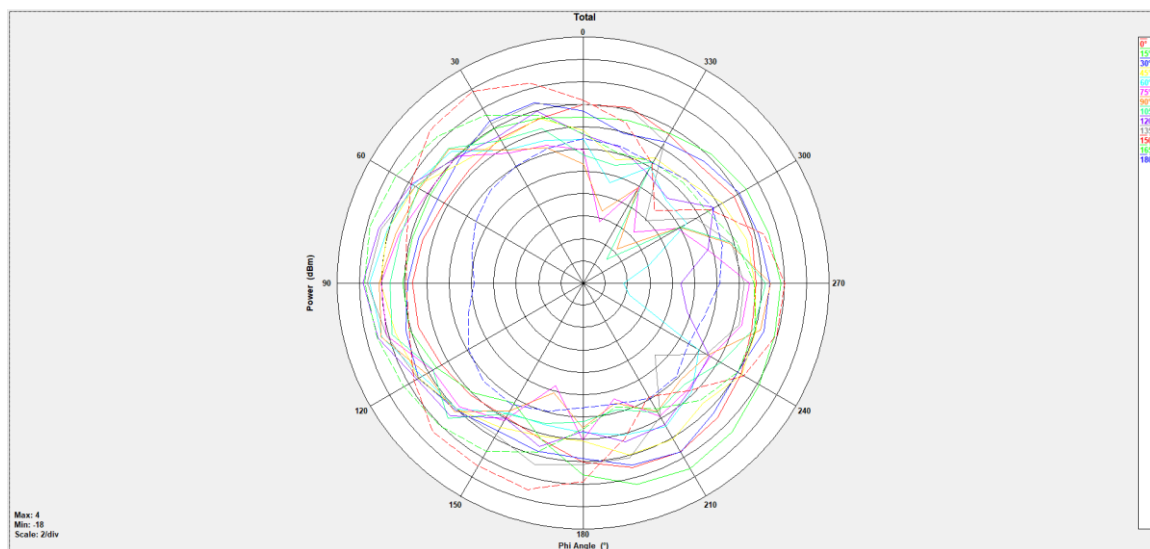
Part numbers / Configuration	Cables for both antennas attached: 453564521801 Rev. 1646 Single antenna cable 54mm for 2.4 GHz (/ 5 GHz) dual band antenna attached: 453564682561 Rev. 1646 Single antenna cable 85mm for 2.4 GHz / 5 GHz dual band antenna attached: 453564817421 Rev. 1829 Single antenna cable 1.4 GHz antenna attached: 453564682551 Rev. 1646
Manufacturer	Philips
Type	Internal PCB antenna
Gain 2.4GHz / 5GHz dual band antennas	-0.8 dBi @ 2400 MHz 0.5 dBi @ 2440 MHz 0.2 dBi @ 2480 MHz 5.5 dBi @ 5200 MHz 5.2 dBi @ 5300 MHz 3.4 dBi @ 5600 MHz 4.4 dBi @ 5800 MHz
Gain 1.4GHz antenna	-8.7 dBi @ 1400 MHz
Nominal impedance	50 Ohm
Connector	coaxial antenna cable with female U.FL connector, permanently attached
Size w/o cables	41.5 mm x 22.8 mm x 5.5 mm

453564682561 Antenna Radiation Pattern (2.4 GHz Band)

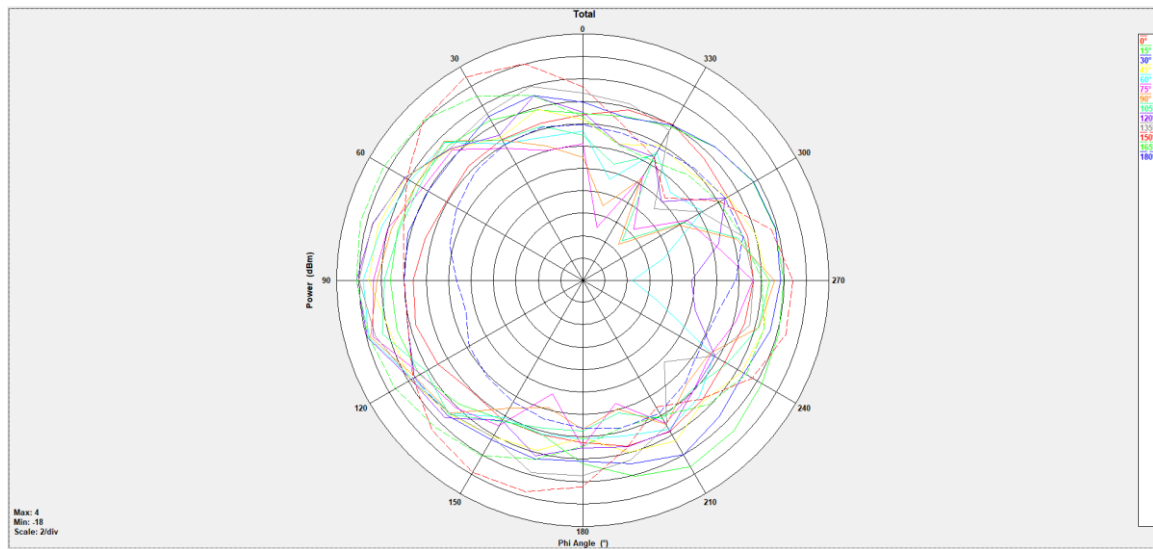
2400 MHz



2440 MHz

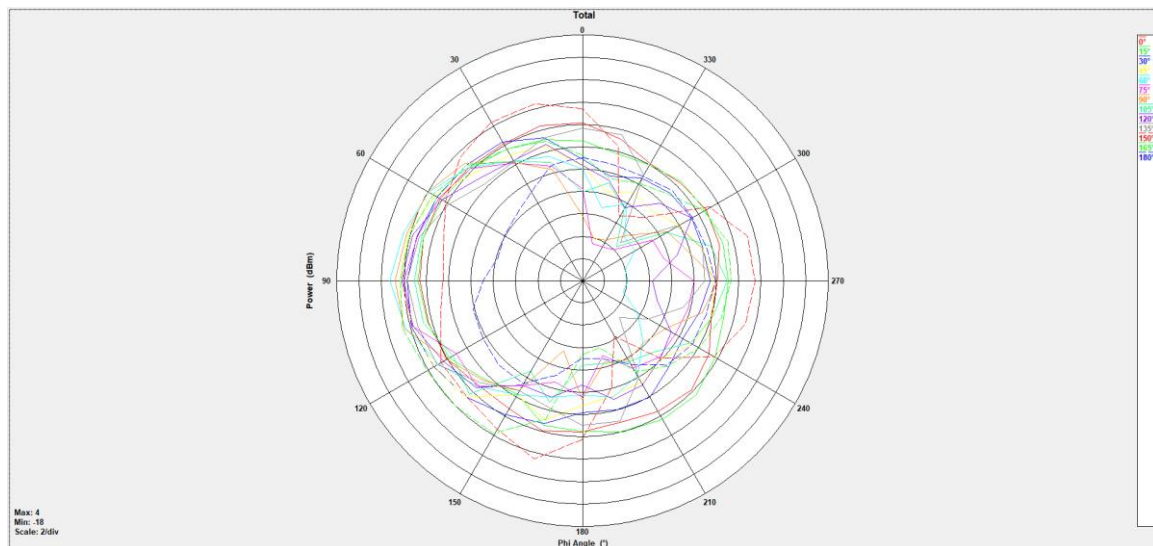


2480 MHz

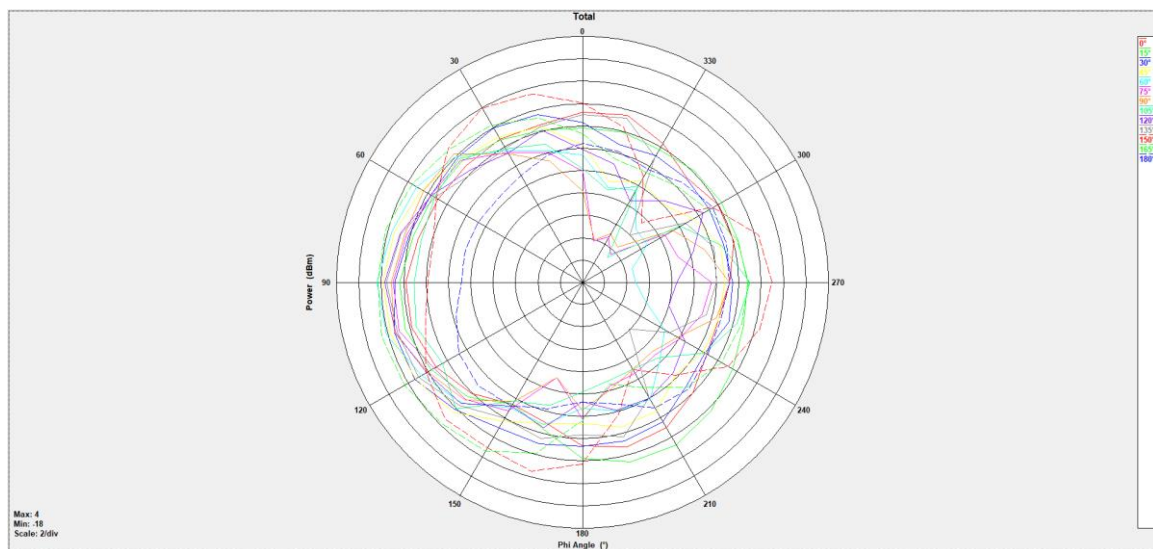


453564521801 / 453564817421 Antenna Radiation Pattern (2.4 GHz Band)

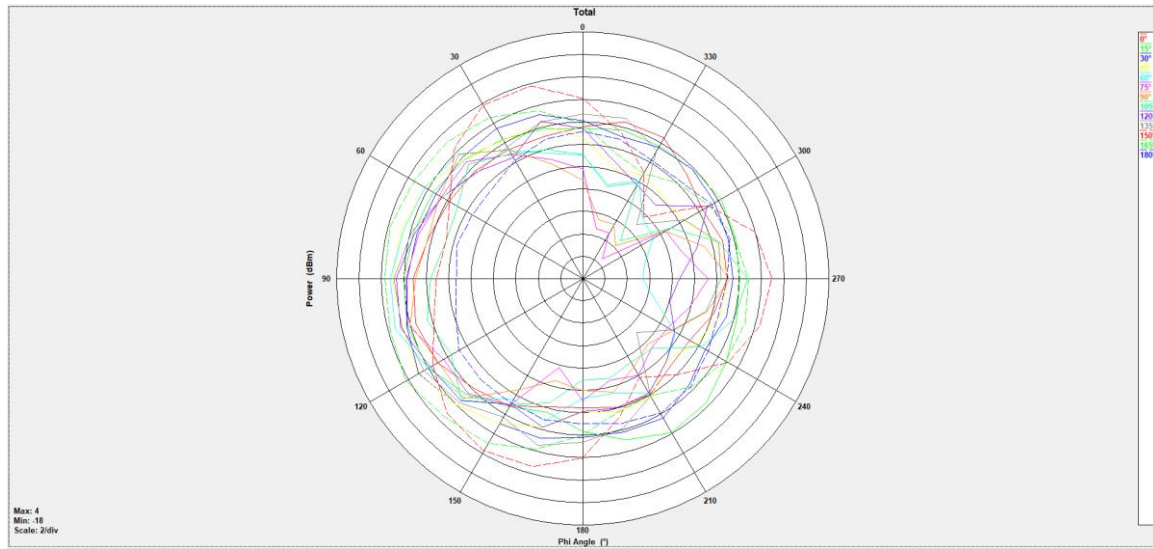
2400 MHz



2440 MHz

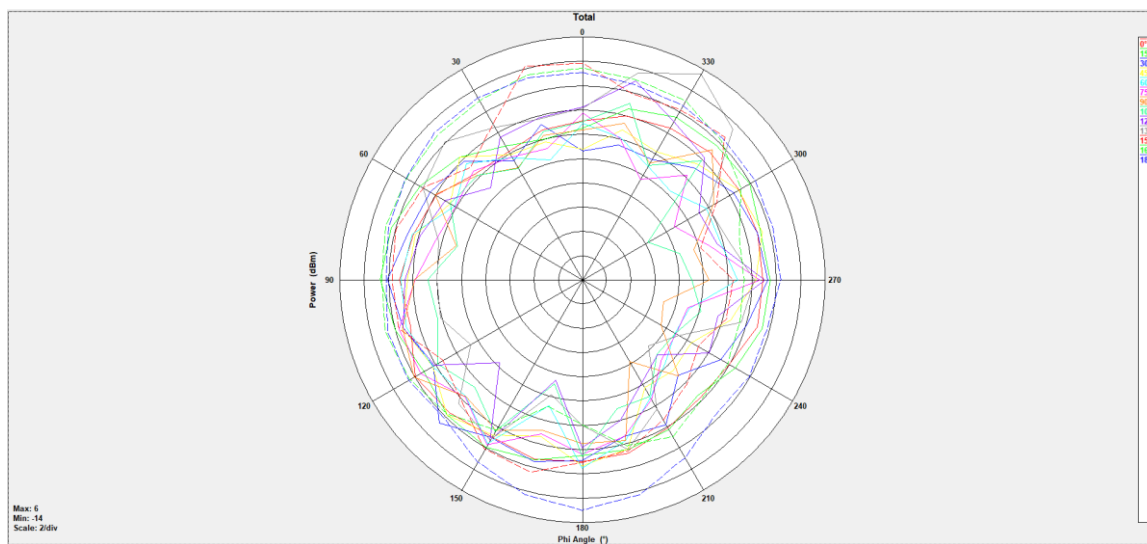


2480 MHz

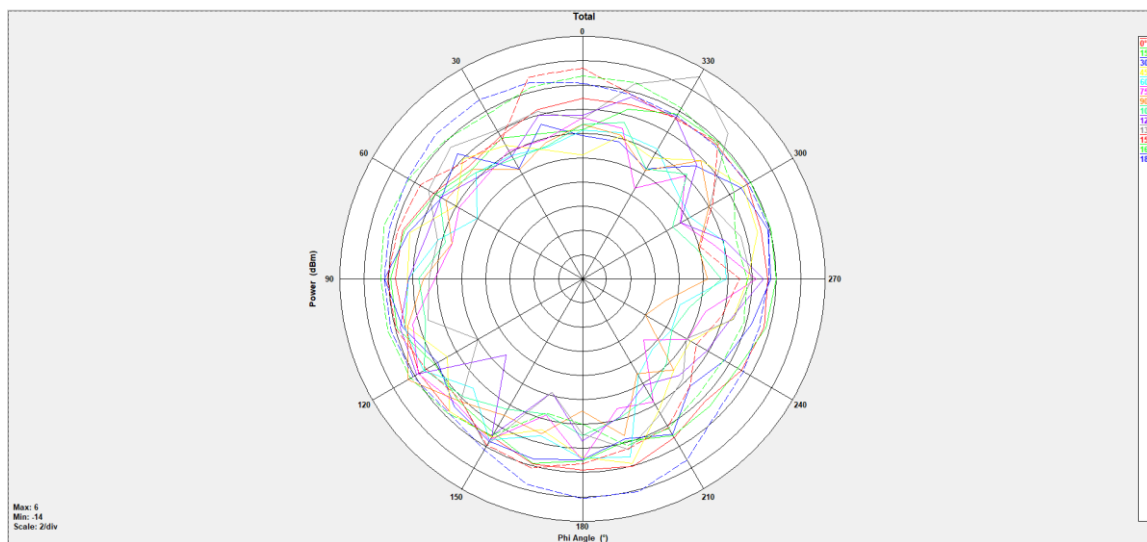


453564521801 / 453564817421 Antenna Radiation Pattern (5 GHz Band)

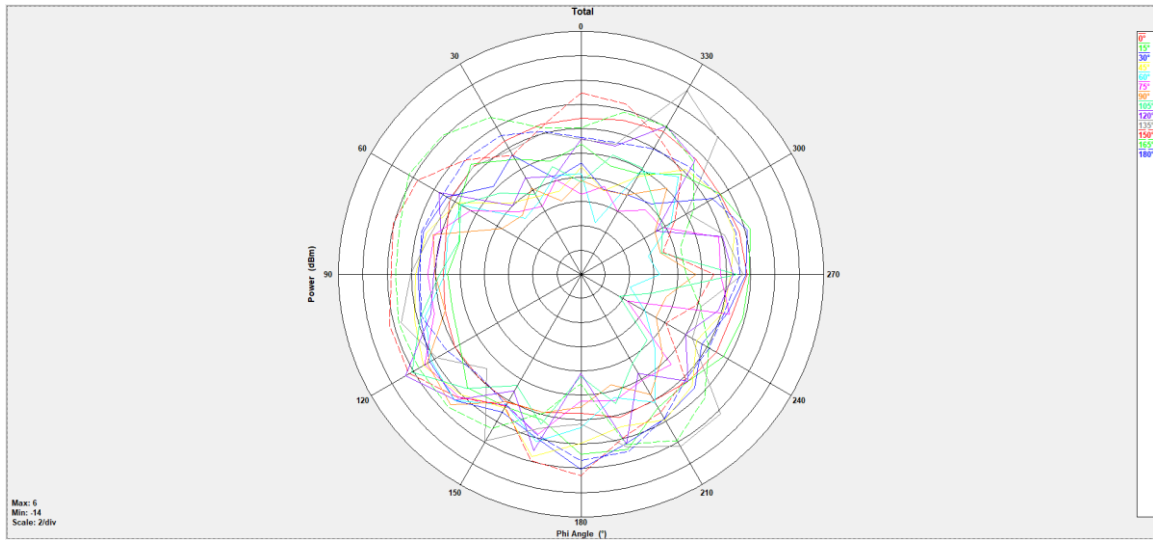
5200 MHz



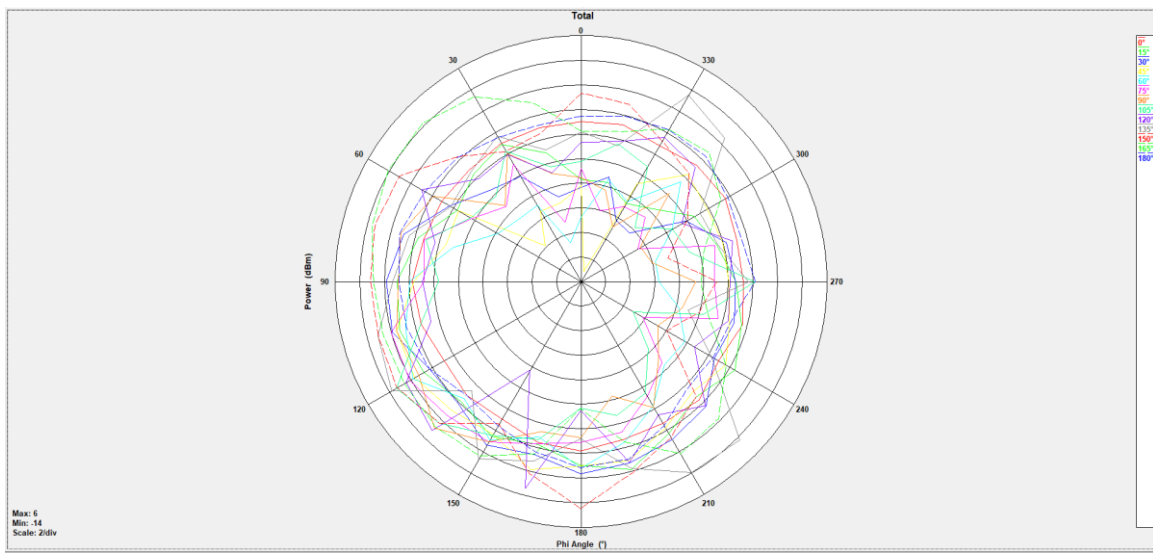
5300 MHz



5600 MHz



5800MHz



453564682551 Antenna Radiation Pattern (1.4 GHz Band)

1400 MHz

