



# Antennas

DATA SHEET

Radio Interconnect and Manifold

RM-02



- Interconnect system for Nokia AHEB Radio
- RoHS Compliant

## Overview

Mechanical interface removes the need for RF and AISG cable jumpers between radio and antenna.



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## SPECIFICATIONS

### Radio Interconnect and Manifold

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#### Electrical

Parameter	Ports	Frequency	Value*
Return Loss	INPUT FROM RADIO / OUTPUT TO FILTER	1710-1880 MHz	> 25 dB
	SMA MONITOR PORT	1805-1880 MHz	> 16 dB
Insertion Loss	INPUT FROM RADIO / OUTPUT TO FILTER	1710-1880 MHz	< 0.3 dB
Coupling	INPUT FROM RADIO / SMA MONITOR PORT	1805-1880 MHz	39.0-41.0 dB
Isolation	OUTPUT TO FILTER / SMA MONITOR PORT	1805-1880 MHz	> 55 dB

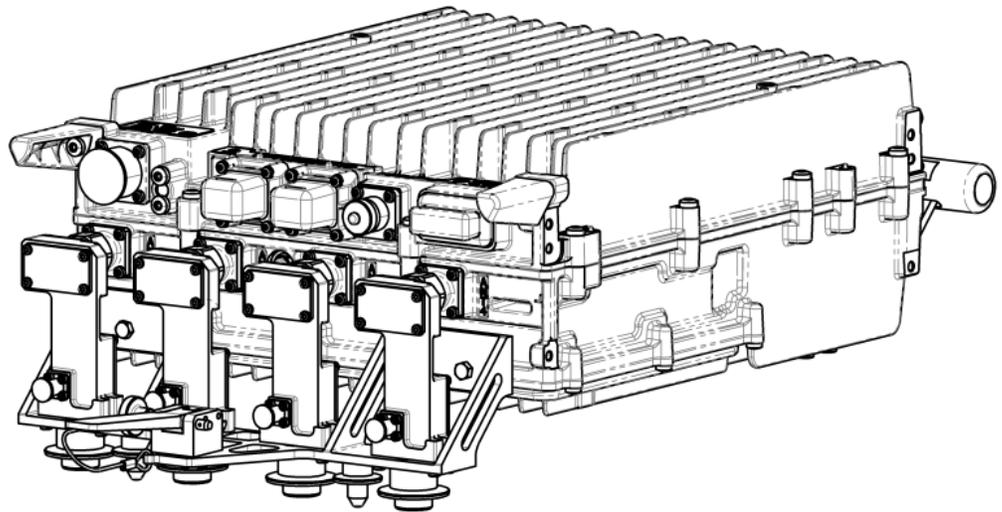
\*Requirements above must use a 50 Ohm load that has a Return Loss >35 dB from 1805 – 1880 MHz.

Parameter	Input Frequency	Input Power	Measured Port	Measured Frequency	Requirement
IMD 1800 MHz 3 <sup>rd</sup> Order	1880 MHz	43 dBm	SMA MONITOR PORT	1730-1785 MHz	< -120 dBm
	1805-1832.5 MHz	43 dBm			

\*Perform test as described in 740-0003-01 IMD Test Procedure for Inline Passive Device Setup For Couplers & Power Dividers.

#### Mechanical

Model Number	RM-02
Fits Radio	Nokia AHEB Radio
For Antenna Models	QPA65R-W3B and QPA65R-W4B
Overall Weight	3.5 lbs. (1.6 kg) not including radio



Radio installed to Manifold and Mount

#### Environmental Specifications

Model Number	RM-02
Temperature Range	-45° to 70° C



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ORDERING

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Parts

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**Overall Weight** 3.5 lbs (1.6 kg) not including radio