

TECHNICAL SPECIFICATIONS

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# IQ5041

## 5G FR1 NSA RF Test Enclosure

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## Overview

The IQ5041 RF enclosure is an accessory to enable 5G FR1 radiated measurements in a controlled test environment. Sold as an option to LitePoint's IQcell-5G signaling test system, the RF fixture includes an integrated antenna coupler and a positioning grid to enable repeatable user equipment (UE) measurements. Suitable for use in lab, manufacturing & service center environments a single IQcell-5G system can support up to four IQ5041 fixtures enabling multi-device testing for enhanced test throughput.



## Port Descriptions

### Rear Panel



I/O	Function	Type
N-SMA1	RF Connection	N-Female (exterior) SMA -Female (Interior)
N-SMA2	RF Connection	N-Female (exterior) SMA -Female (Interior)
N-SMA3	RF Connection	N-Female (exterior) SMA -Female (Interior)
N-SMA4	RF Connection	N-Female (exterior) SMA -Female (Interior)

## General Hardware Specifications

Parameter	Value
Frequency Range	600 – 6000 MHz (all ports)
RF Isolation (Typical)	>60 dB
Antenna Coupler Loss (Typical)	10 dB to 13 dB
VSWR (Typical)	< 1.2:1 (RL > 20 dB)

## General and Environmental

Parameters	Value
Outside Dimensions	20" L x 14" W x 7" H (491 mm x 356 mm x 178 mm)
Internal Dimensions	13" L x 11" W x 5" H (324 mm x 269 mm x 114 mm)
Open Door Dimensions	16" L x 14" W x 20" H (409 mm x 356 mm x 513 mm)
Opening Angle	48°
Net Weight	20 lb. (9 Kg)
Main Structure	Sheet Metal
Operating temperature	+10°C to +50°C
Warranty	Provided through original manufacturer

## Configuration



## Order Codes

Code	Product
0100-5GSG-001	IQcore-5G Signaling Baseband Unit
0100-5GSG-003	IQFR1-5G Sub-6GHz Test System
0100-CELL-005	IQcell LTE - (2 port) test system
0100-CELL-006	IQcell LTE - (8 port) test system
0150-5GSG-001	IQ5041 FR1 NSA RF Chamber
0300-5GSG-001	5G Non-Standalone Mode License
0300-5GSG-005	5G 3GPP SW License

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## LITEPOINT TECHNICAL SUPPORT

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Doc: 1075-0175-001  
July 2022 Rev 1