

An aerial night view of a city skyline, likely Singapore, with numerous skyscrapers illuminated. Overlaid on the city is a complex, glowing blue network of lines and nodes, resembling a global communication or data network. The network is denser in the upper half of the image and fades towards the bottom.

QUECTEL

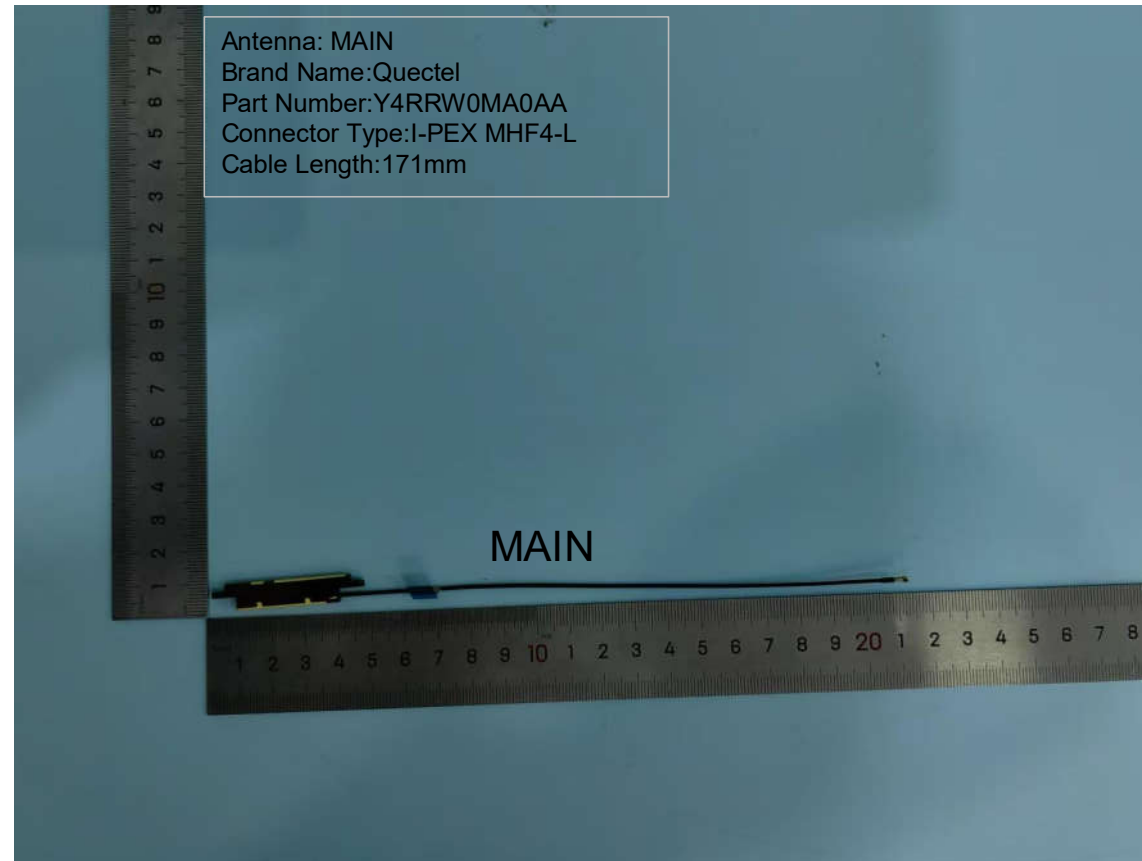
Quectel

Y4RRW0MA0AA

2024/12/18

Build a Smarter World

MAIN Antenna Photos



MAIN Antenna Specification



Antenna vendor Part Number (Main & Aux parts)	Type	Antenna Vendor	2.4GHz	5.15-5.35GHz	5.47-5.725GHz	5.725-5.850GHz	5.925-7.125GHz	Cable loss (dB)	Connector Type	Cable length
Main : Y4RRW0MA0AA	PIFA	Quectel	2.84	3.23	3.84	2.85	3.92	0.45dB @ 2.4GHz 0.72dB @ 5GHz 0.78dB @ 5.925~6.425GHz 0.80dB @ 6.425~6.525GHz 0.84dB @ 6.525~6.875GHz 0.87dB @ 6.875~7.125GHz	I-PEX MHF4-L	171mm

MAIN Antenna Data



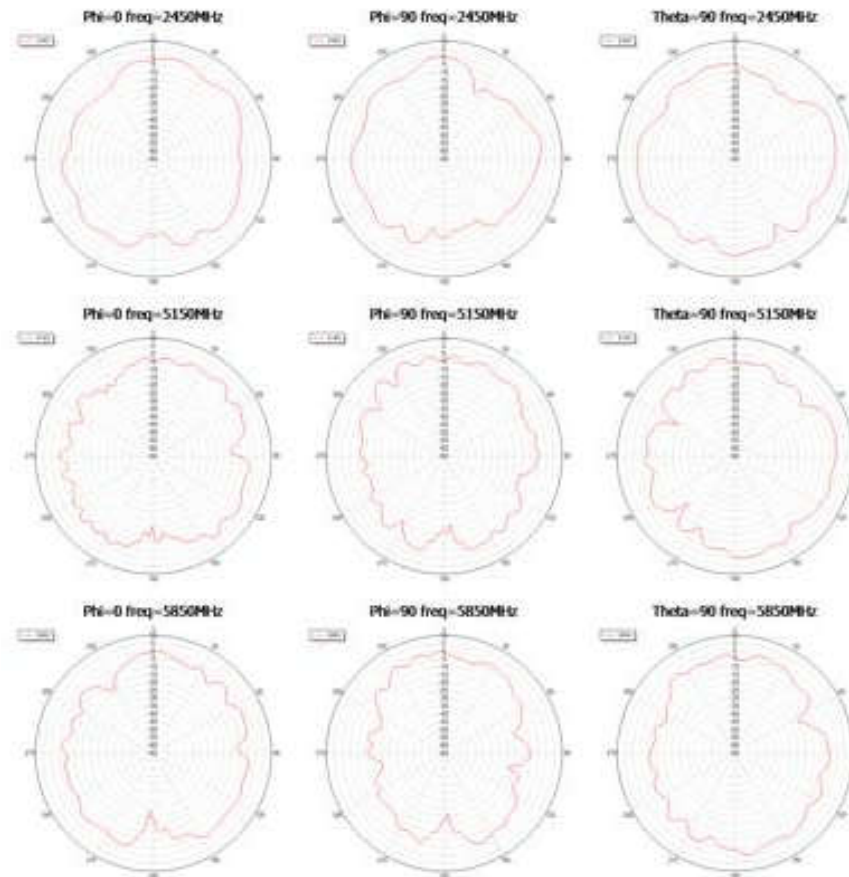
Antenna Data			
Frequency (MHz)	Efficiency (dB)	Gain(dBi)	Efficiency (%)
2400	-3.85	1.90	41.17
2450	-3.41	2.84	45.57
2500	-4.03	2.03	39.55
5150	-4.52	2.45	35.30
5250	-4.66	2.19	34.18
5350	-4.30	3.23	37.14
5450	-3.93	3.63	40.49
5550	-4.19	3.84	38.09
5650	-4.38	2.79	36.46
5750	-4.37	2.85	36.54
5850	-4.51	2.09	35.39
5925	-4.98	2.41	31.73
6125	-4.13	3.89	38.62
6425	-3.96	3.92	40.21
6525	-4.55	3.26	35.10
6725	-4.60	3.04	34.71
6825	-4.77	2.82	33.31
7025	-4.90	2.54	32.36
7125	-4.98	2.53	31.75

MAIN Antenna Data

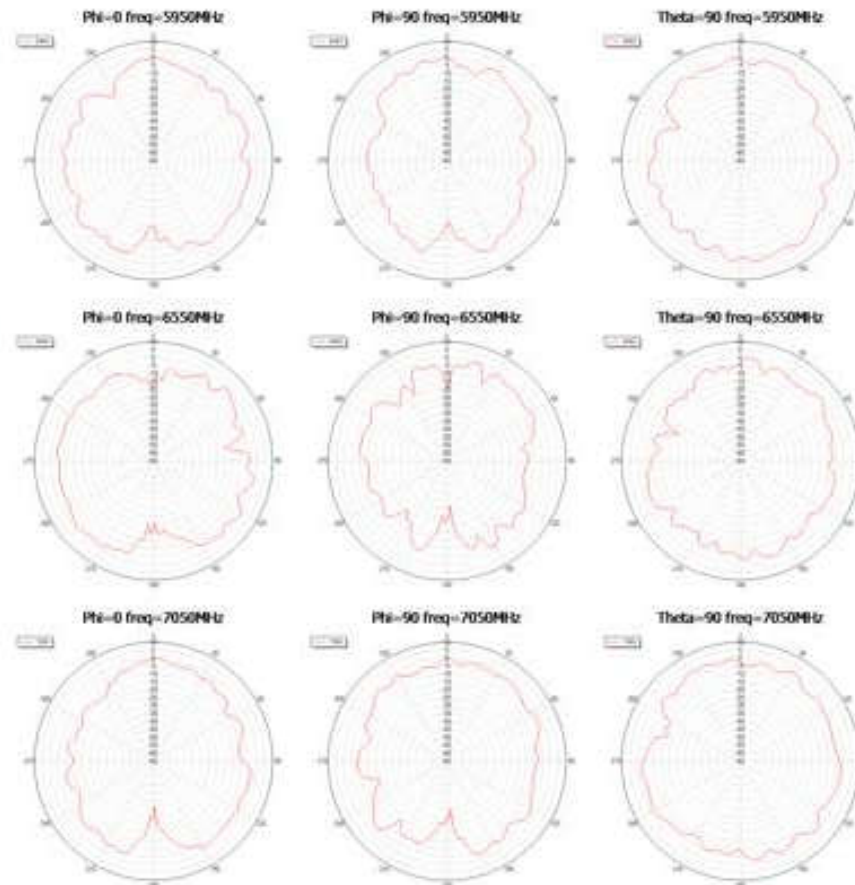


Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
Quectel	Main	Y4RRW0MA0AA	2.84dBi @ 2.4GHz 3.84dBi @ 5GHz 3.89dBi @ 5.925~6.425GHz 3.92dBi @ 6.425~6.525GHz 3.26dBi @ 6.525~6.875GHz 2.54dBi @ 6.875~7.125GHz	0.45dB @ 2.4GHz 0.72dB @ 5GHz 0.78dB @ 5.925~6.425GHz 0.80dB @ 6.425~6.525GHz 0.84dB @ 6.525~6.875GHz 0.87dB @ 6.875~7.125GHz	PIFA	I-PEX MHF4-L	171

MAIN Antenna 2D Radiation Pattern



MAIN Antenna 2D Radiation Pattern





We are a global IoT solutions provider, backed by outstanding support and services, to deliver a smarter world.

- Unbeatable choice from the broadest module portfolio in the world
- High quality range of off-the-shelf and customized antennas
- Superb support with the largest R&D team in the industry
- Continuous innovation – in 5G, LPWA, Automotive, Smart module technology
- A passionate, dedicated team of "Quectelers" ensures our customers always come first

Thank You

Build a Smarter World

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