



QUECTEL

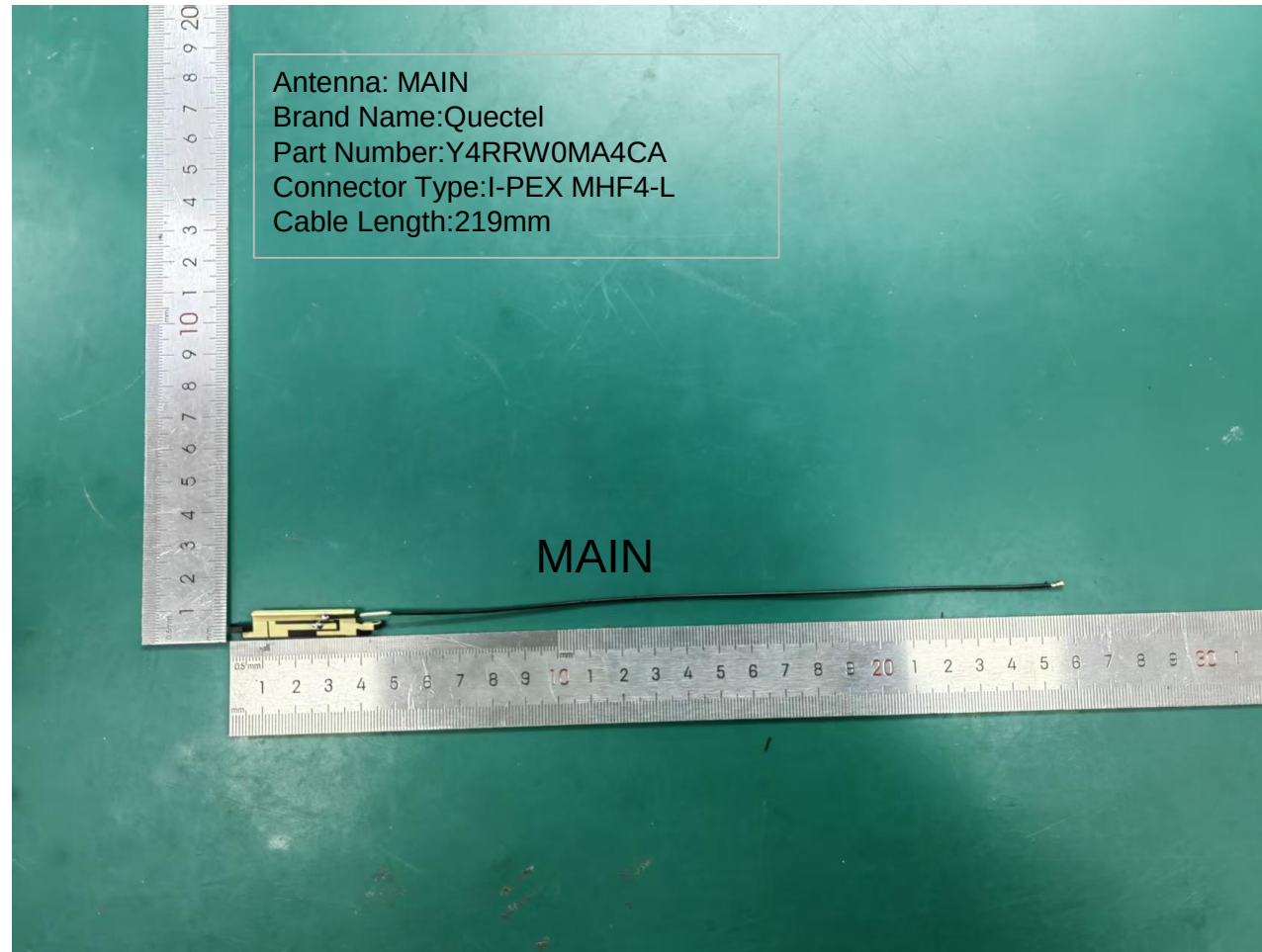
Quectel

Y4RRW0MA4CA

2025/12/05

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 : Y4RRW0MA4CA	PIFA	Quectel	2.58	3.55	3.45	3.70	3.31	0.55dB @ 2.4GHz 0.87dB @ 5GHz 0.95dB @ 5.925~6.425GHz 0.97dB @ 6.425~6.525GHz 1.02dB @ 6.525~6.875GHz 1.05dB @ 6.875~7.125GHz	I-PEX MHF4-L	219mm

MAIN Antenna Data



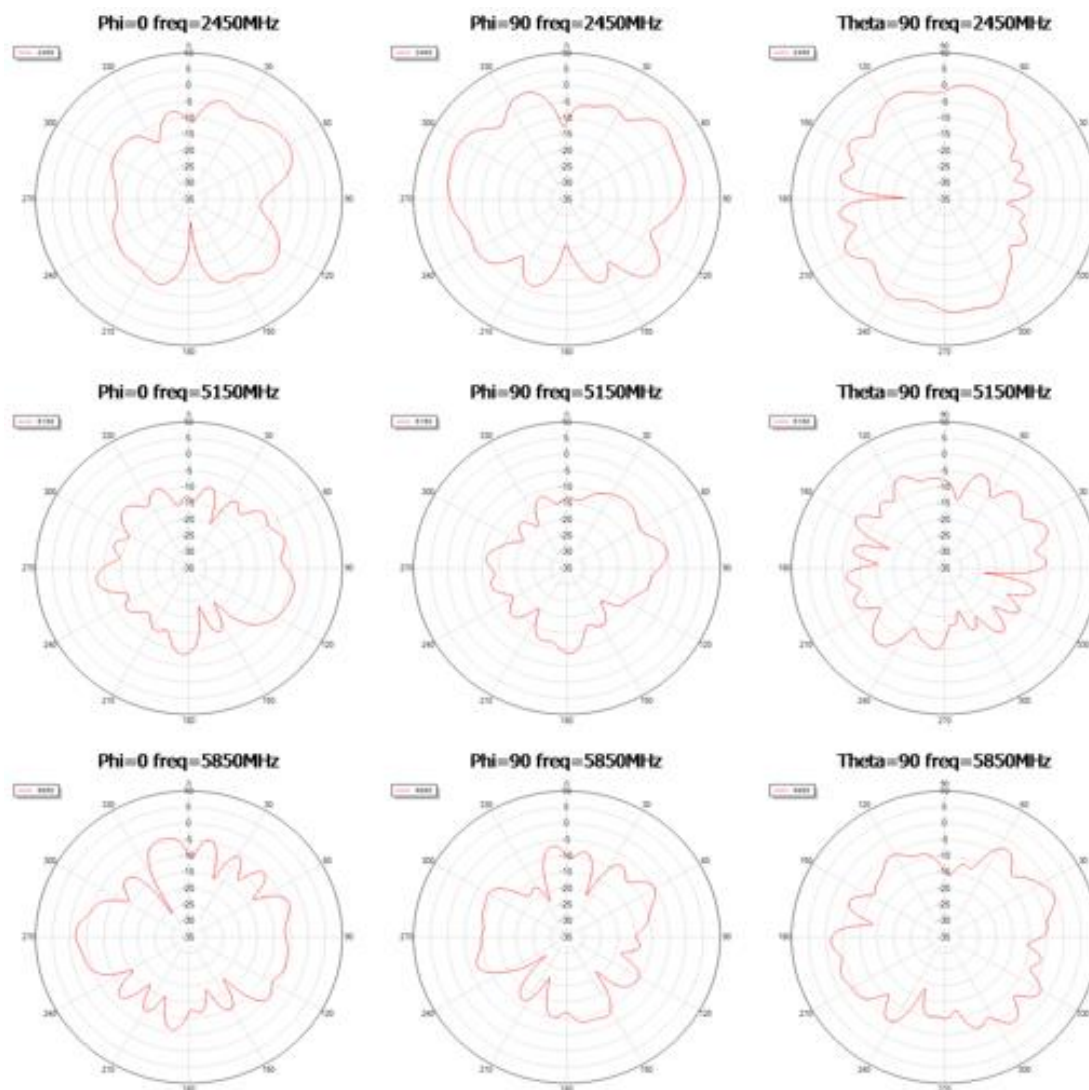
Antenna Data			
Frequency(MHz)	Efficiency (dB)	Gain(dBi)	Efficiency (%)
2400	-3.73	2.32	42.36
2450	-3.51	2.58	44.52
2500	-4	1.94	39.83
5150	-4.62	3.55	34.49
5250	-4.23	3.45	37.72
5350	-4.07	3.3	39.14
5450	-3.97	3.45	40.05
5550	-4.44	2.68	35.94
5650	-4.16	3.05	38.41
5750	-3.41	3.7	45.64
5850	-3.97	2.93	40.07
5925	-4.37	2.58	36.57
6125	-4.06	3.31	39.26
6425	-4.56	2.63	35.03
6525	-4.72	2.4	33.72
6725	-4.28	2.56	37.31
6825	-4.44	2.57	35.94
7025	-4.62	2.27	34.49
7125	-4.57	2.23	34.92

MAIN Antenna Data

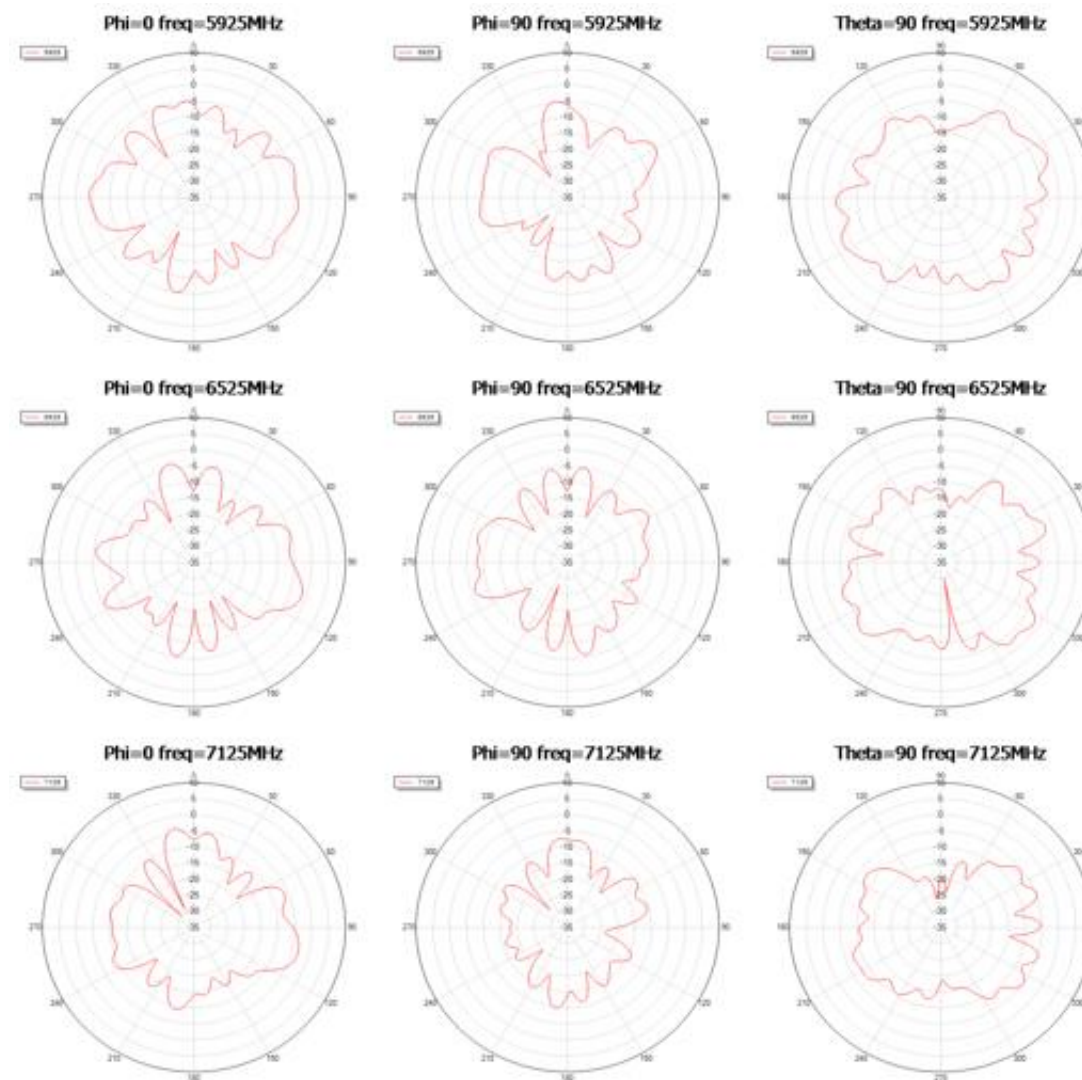


Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
Quectel	MAIN	Y4RRW0MA4CA	2.58dBi @ 2.4GHz 3.7dBi @ 5GHz 3.31dBi @ 5.925~6.425GHz 2.63dBi @ 6.425~6.525GHz 2.57dBi @ 6.525~6.875GHz 2.27dBi @ 6.875~7.125GHz	0.55dB @ 2.4GHz 0.87dB @ 5GHz 0.95dB @ 5.925~6.425GHz 0.97dB @ 6.425~6.525GHz 1.02dB @ 6.525~6.875GHz 1.05dB @ 6.875~7.125GHz	PIFA	I-PEX MHF4-L	219

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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