



QUECTEL

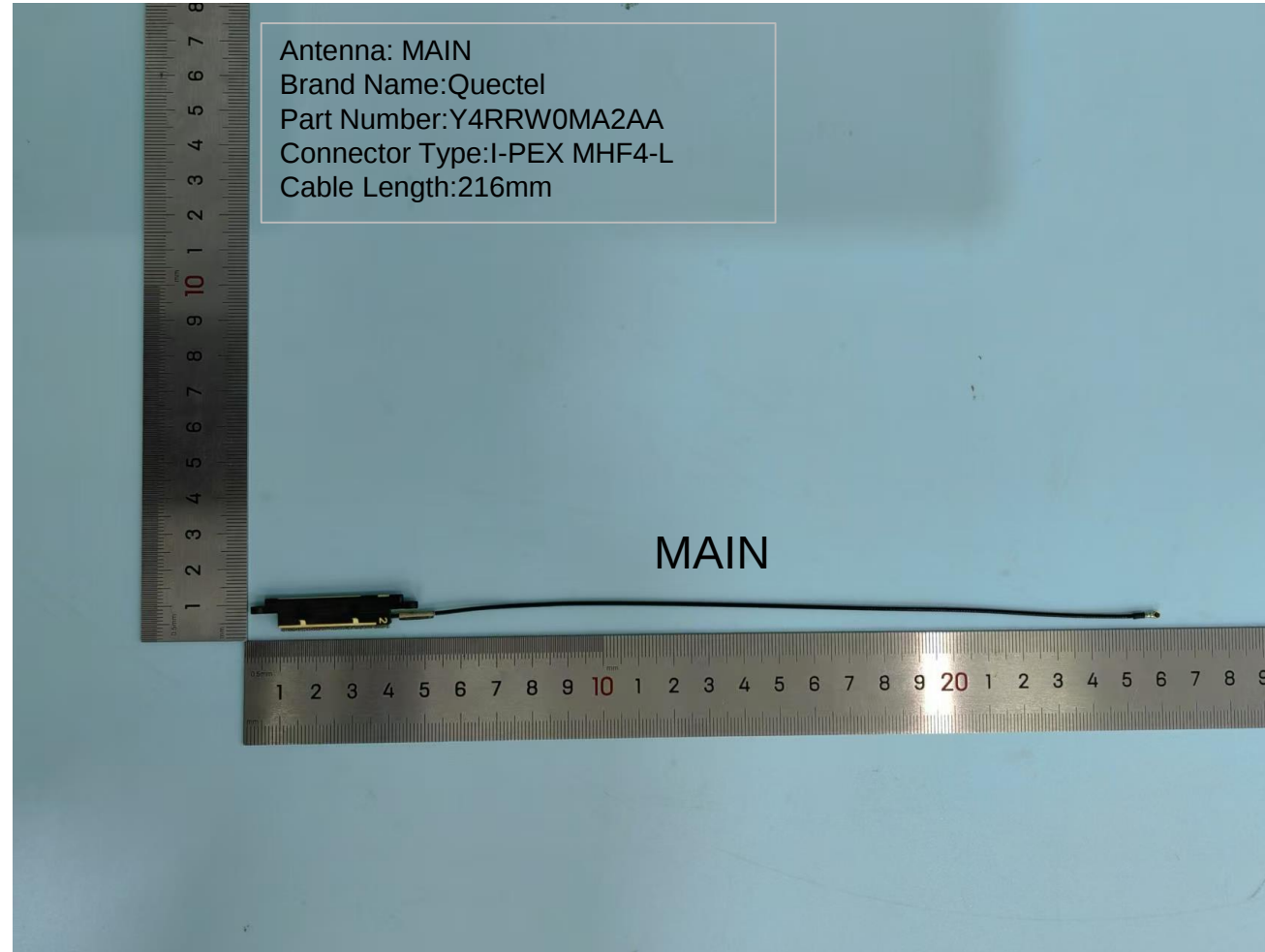
Quectel

Y4RRW0MA2AA

2024/12/02

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 : Y4RRW0MA2AA	PIFA	Quectel	2.80	3.62	3.81	3.44	3.13	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	216mm

MAIN Antenna Data



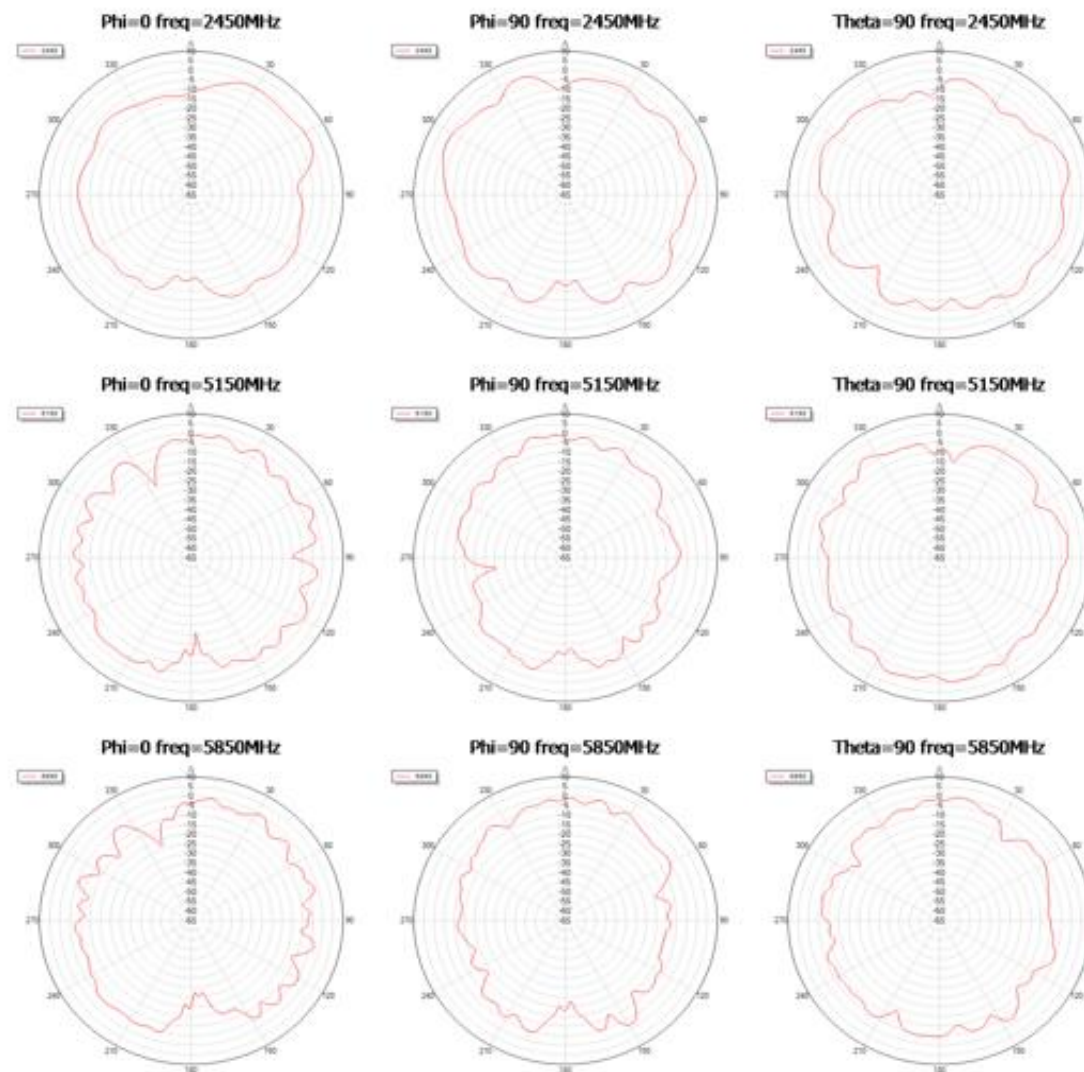
Antenna Data			
Frequency(MHz)	Efficiency(dB)	Gain(dBi)	Efficiency(%)
2400	-3.92	2.25	40.53
2450	-3.60	2.62	43.64
2500	-4.09	2.80	39.02
5150	-4.88	3.40	32.54
5250	-4.85	3.62	32.76
5350	-4.75	3.50	33.53
5450	-4.50	3.63	35.48
5550	-4.35	3.81	36.69
5650	-4.45	3.54	35.88
5750	-4.52	3.43	35.34
5850	-4.35	3.44	36.76
5925	-4.47	3.13	35.74
6125	-4.68	2.59	34.02
6425	-4.83	2.61	32.90
6525	-4.83	2.39	32.86
6725	-4.69	2.25	33.96
6825	-4.26	2.31	37.54
7025	-4.73	2.30	33.67
7125	-4.61	2.18	34.57

MAIN Antenna Data

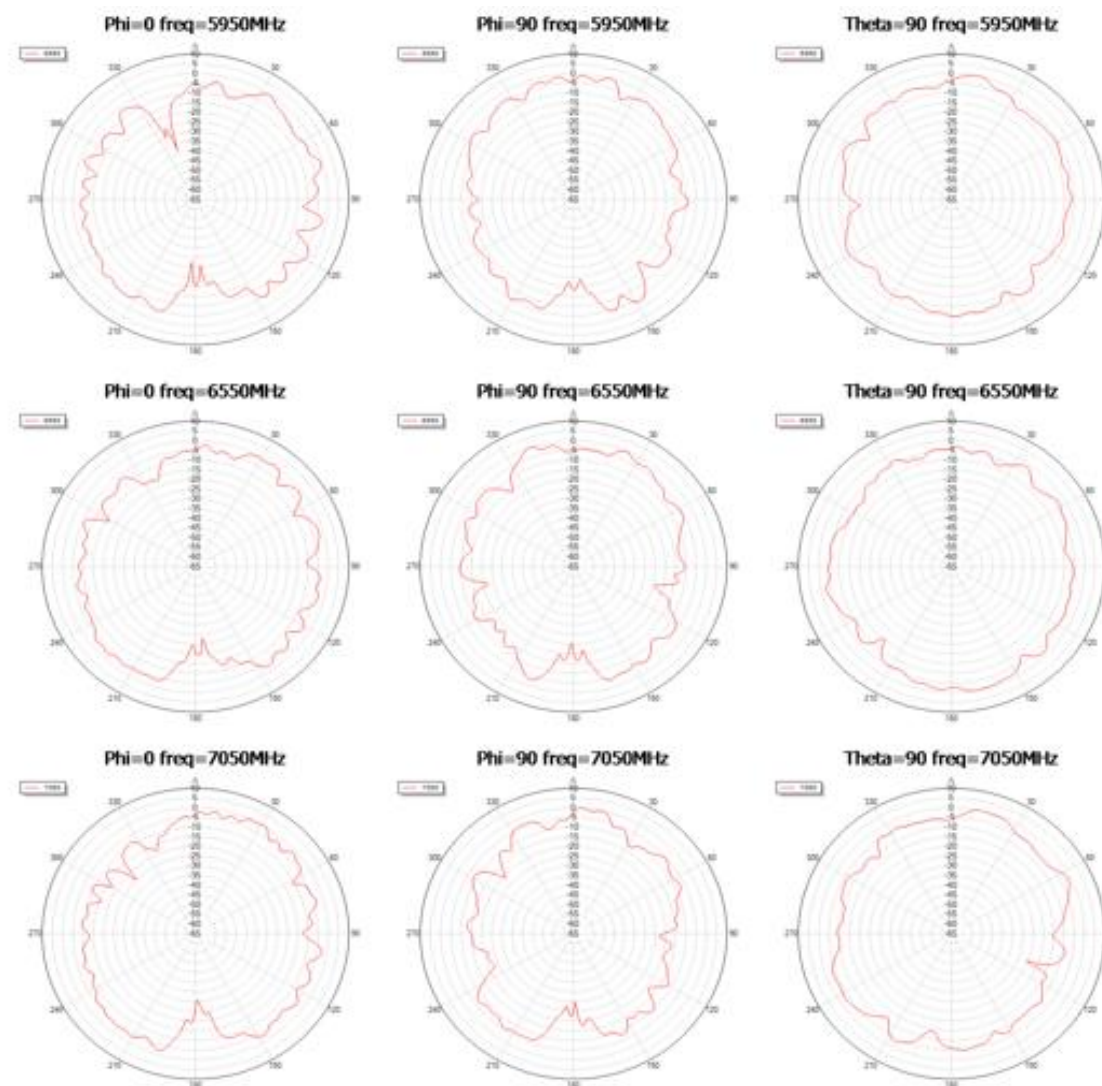


Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
Quectel	MAIN	Y4RRW0MA2AA	2.80dBi @ 2.4GHz 3.81dBi @ 5GHz 3.13dBi @ 5.925~6.425GHz 2.61dBi @ 6.425~6.525GHz 2.39dBi @ 6.525~6.875GHz 2.30dBi @ 6.875~7.125GHz	0.55dB @ 2.4GHz 0.87dB @ 5GHz 0.95dB @ 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	216

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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