



QUECTEL

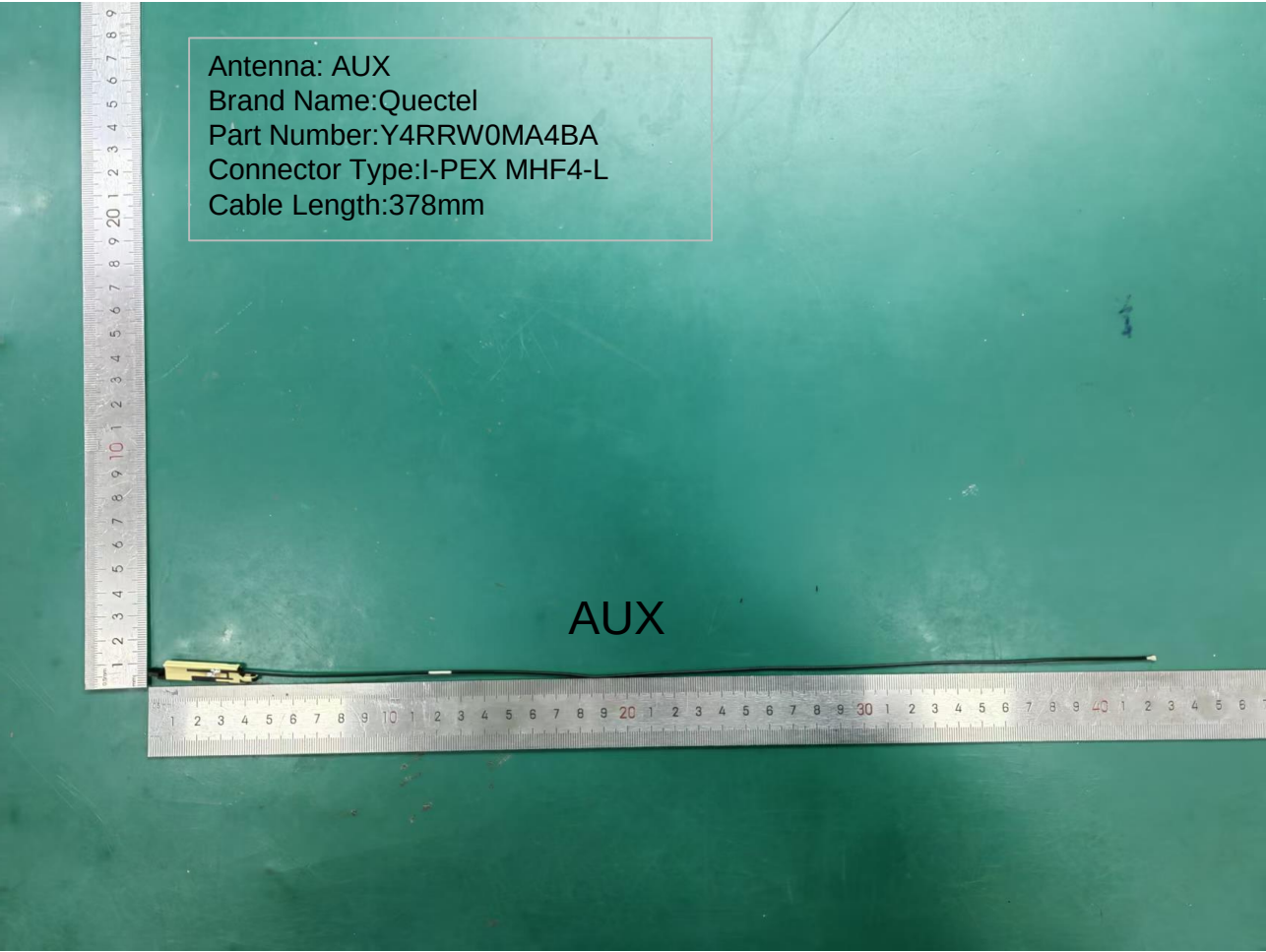
Quectel

Y4RRW0MA4BA

2025/12/05

Build a Smarter World

AUX Antenna Photos



AUX 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
Aux : Y4RRW0MA4BA	PIFA	Quectel	2.58	2.46	2.77	3.59	3.8	0.96dB @ 2.4GHz 1.53dB @ 5GHz 1.66dB @ 5.925~6.425GHz 1.70dB @ 6.425~6.525GHz 1.78dB @ 6.525~6.875GHz 1.84dB @ 6.875~7.125GHz	I-PEX MHF4-L	378mm

AUX Antenna Data



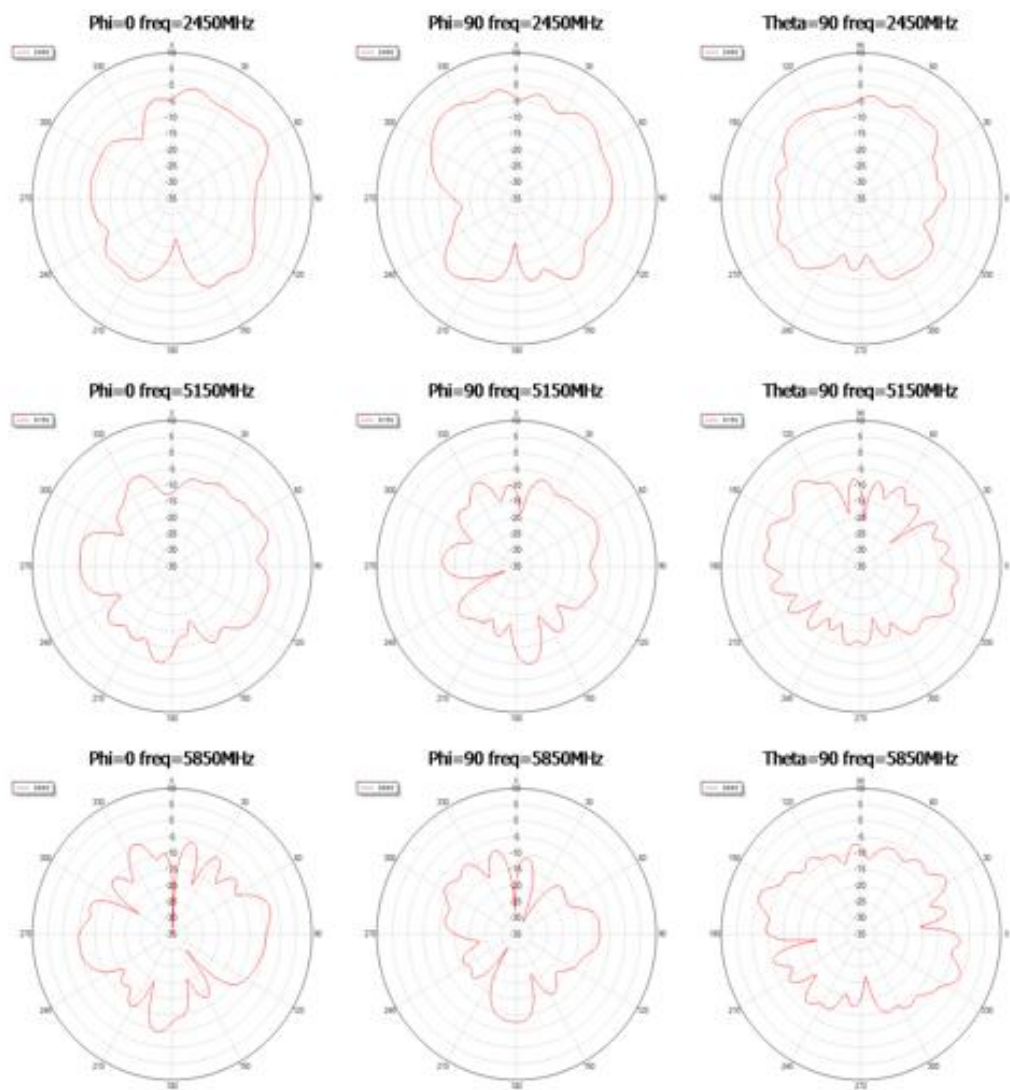
Antenna Data			
Frequency (MHz)	Efficiency (dB)	Gain(dBi)	Efficiency (%)
2400	-4.15	2.1	38.46
2450	-3.76	2.58	42.12
2500	-4.05	2.23	39.32
5150	-4.34	2.21	36.85
5250	-4.15	2	38.43
5350	-4.1	2.46	38.87
5450	-3.75	2.99	42.19
5550	-4.36	2.44	36.68
5650	-4.14	2.77	38.59
5750	-3.94	3.59	40.39
5850	-4.34	3.54	36.85
5925	-4.65	2.64	34.31
6125	-4.49	3.18	35.55
6425	-4.54	3.48	35.12
6525	-4.51	3.64	35.38
6725	-4.73	3.8	33.68
6825	-4.53	3.64	35.24
7025	-4.66	2.87	34.22
7125	-4.71	2.57	33.82

AUX Antenna Data

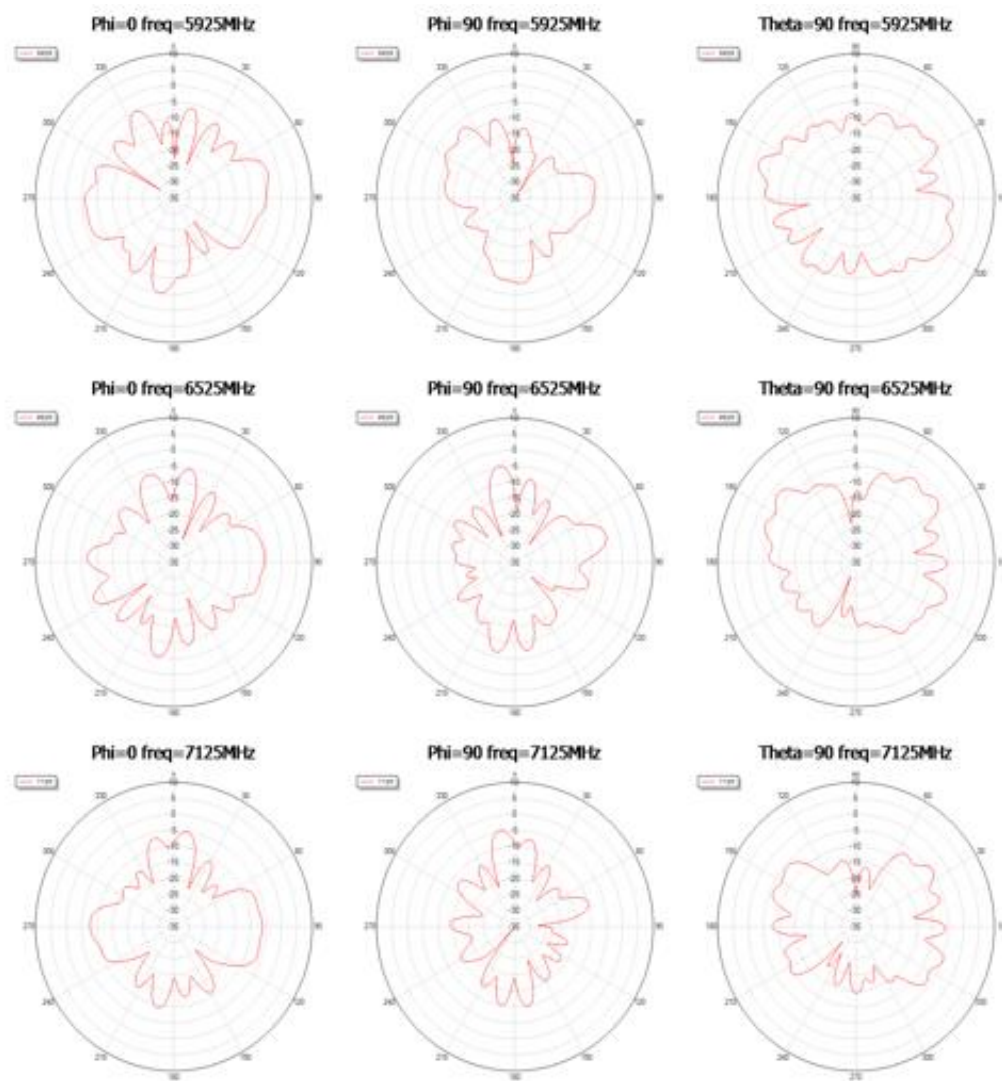


Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
Quectel	AUX	Y4RRW0MA4BA	2.58dBi @ 2.4GHz 3.59dBi @ 5GHz 3.48dBi @ 5.925~6.425GHz 3.64dBi @ 6.425~6.525GHz 3.8dBi @ 6.525~6.875GHz 2.87dBi @ 6.875~7.125GHz	0.96dB @ 2.4GHz 1.53dB @ 5GHz 1.66dB @ 5.925~6.425GHz 1.70dB @ 6.425~6.525GHz 1.78dB @ 6.525~6.875GHz 1.84dB @ 6.875~7.125GHz	PIFA	I-PEX MHF4-L	378

AUX Antenna 2D Radiation Pattern



AUX 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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