



QUECTEL

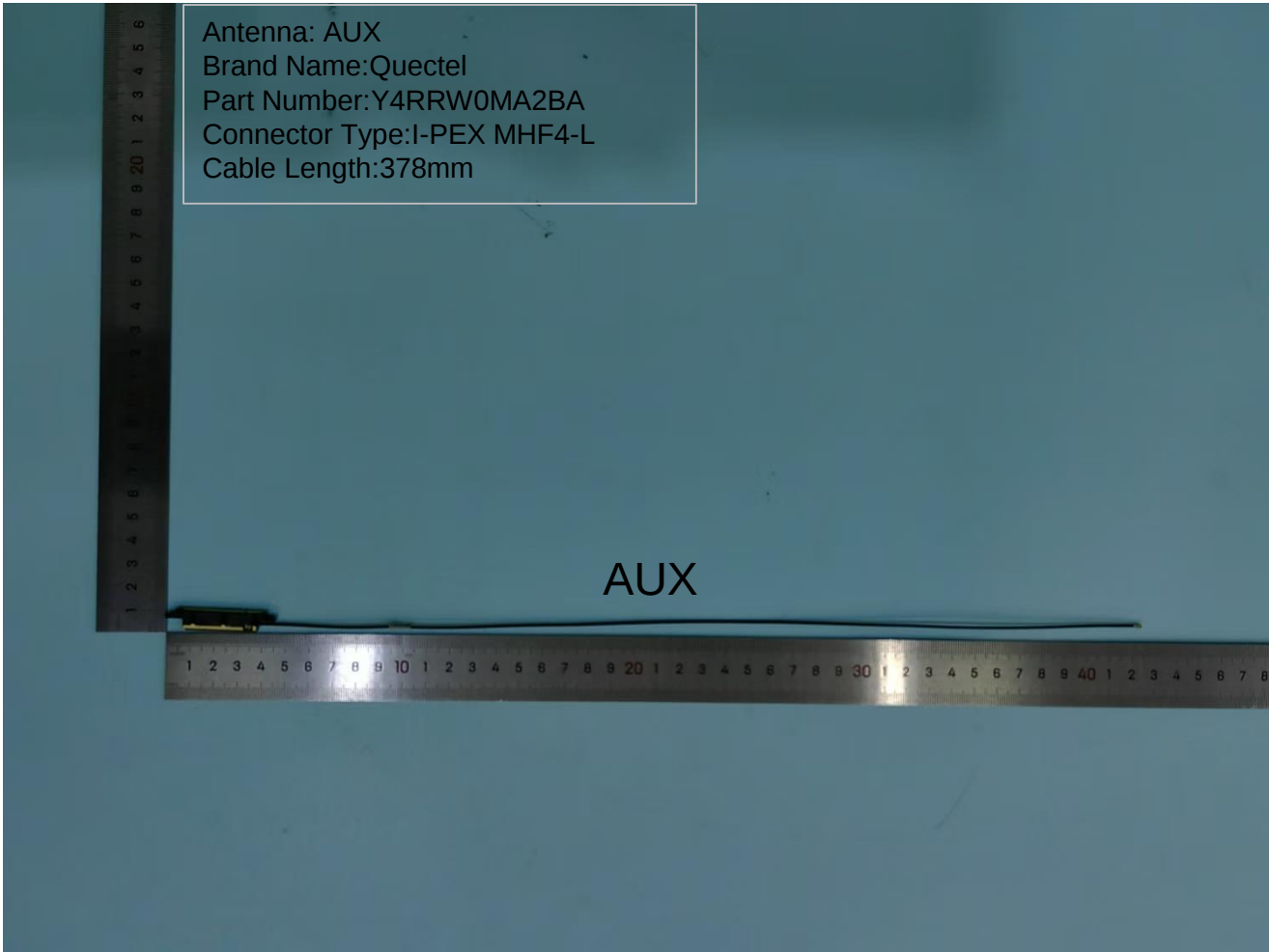
Quectel

Y4RRW0MA2BA

2024/12/02

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 : Y4RRW0MA2BA	PIFA	Quectel	2.62	3.47	3.43	3.46	3.28	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



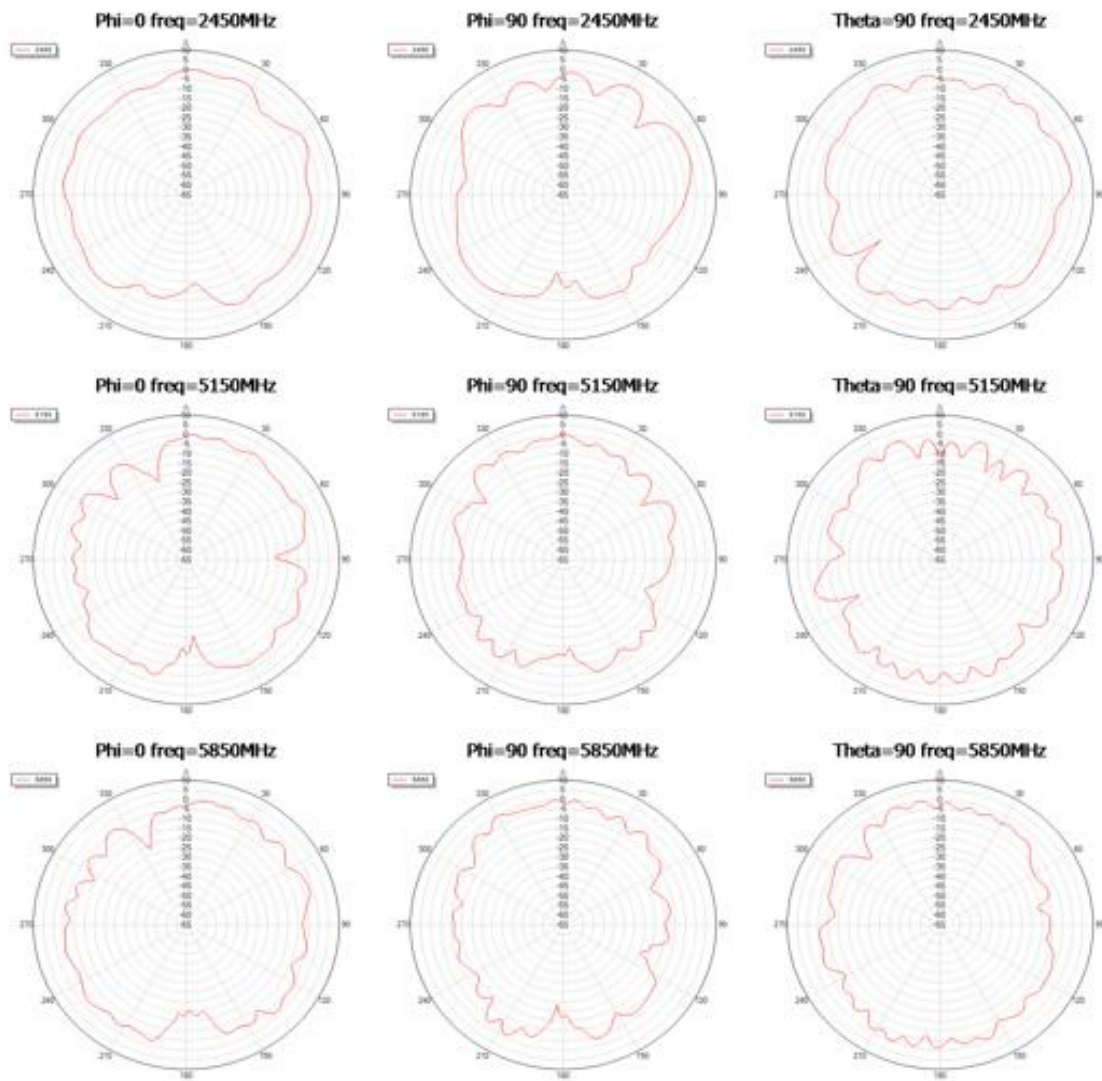
Antenna Data			
Frequen cy(MHz)	Efficiency(dB)	Gain(dBi)	Efficienc y(%)
2400	-4.07	2.21	39.17
2450	-3.51	2.31	44.60
2500	-3.91	2.62	40.61
5150	-4.10	3.01	38.89
5250	-4.22	2.76	37.84
5350	-4.49	3.47	35.60
5450	-4.89	3.43	32.43
5550	-4.78	3.33	33.24
5650	-4.78	3.22	33.27
5750	-4.66	3.46	34.23
5850	-4.71	3.26	33.83
5925	-4.61	3.28	34.63
6125	-4.63	3.16	34.44
6425	-4.74	3.11	33.56
6525	-4.71	3.02	33.79
6725	-4.90	2.86	32.35
6825	-5.01	2.93	31.55
7025	-5.17	2.85	30.39
7125	-5.21	2.84	30.16

AUX Antenna Data

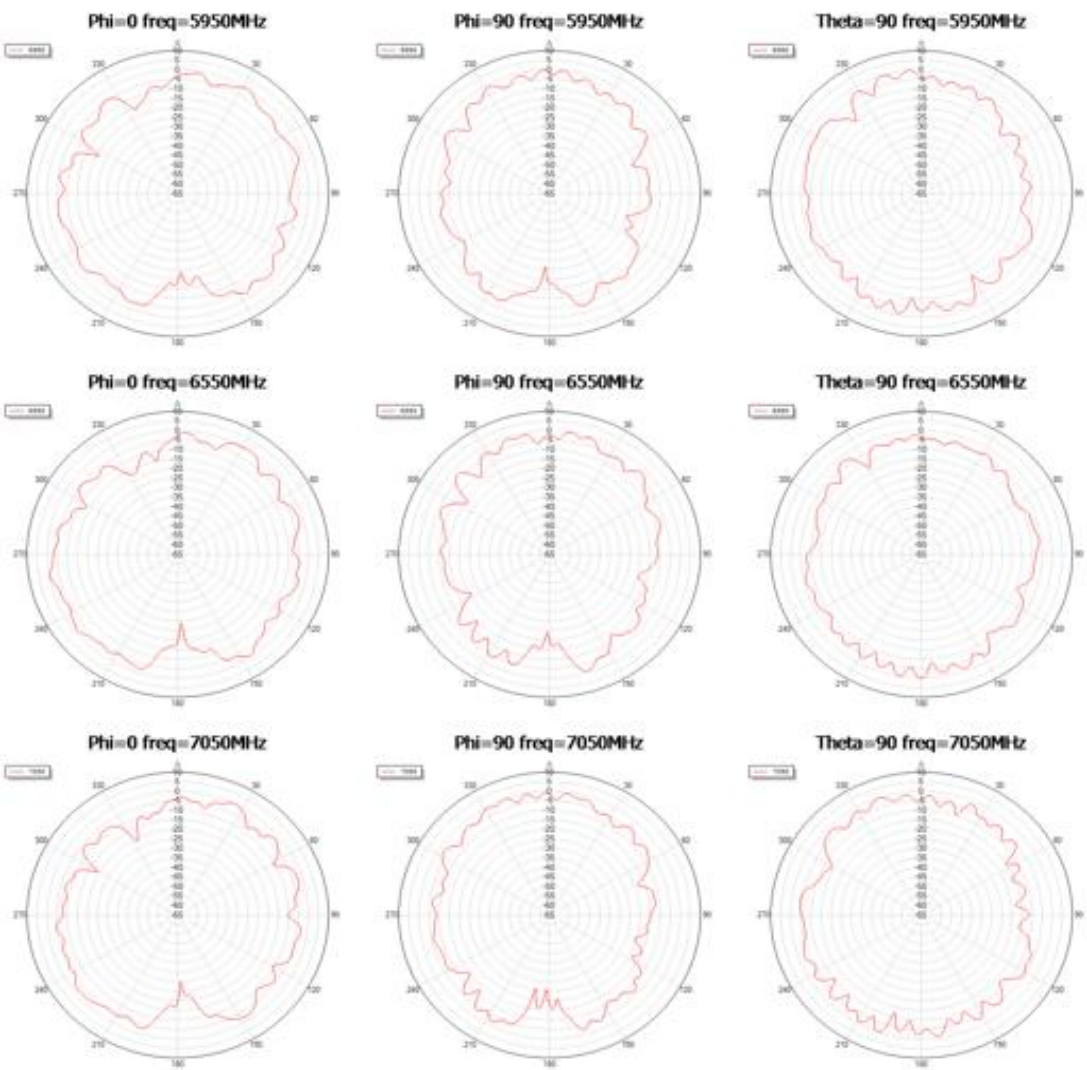


Brand	Main/Aux	Model	Peak gain with cable loss	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
Quectel	AUX	Y4RRW0MA2BA	2.62dBi @ 2.4GHz 3.47dBi @ 5GHz 3.28dBi @ 5.925~6.425GHz 3.11dBi @ 6.425~6.525GHz 3.02dBi @ 6.525~6.875GHz 2.85dBi @ 6.875~7.125GHz	0.96dB @ 2.4GHz 1.53dB @ 5GHz 1.66dB @ 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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