

The Antenna report for SC1233AR3

1、Antenna Section

Antenna Section							
Parameter		Symbol	Conditions	Limits			Unit
				Min	Typ	Max	
E1	RX antenna Gain	Grxa	f _{RF} =24.15GHz				2 dBi
E2	TX antenna Gain	Gtxa	f _{RF} =24.15GHz				2 dBi

2、LO Section

LO Section							
Parameter		Symbol	Conditions	Limits			Unit
				Min	Typ	Max	
E3	L O frequency	fLO		24.06		24.24	GHz
E4	P LL lock-up time	Tlock	$\Delta f<1\text{MHz}$			30	μs

3、Antenna pattern (Reference)

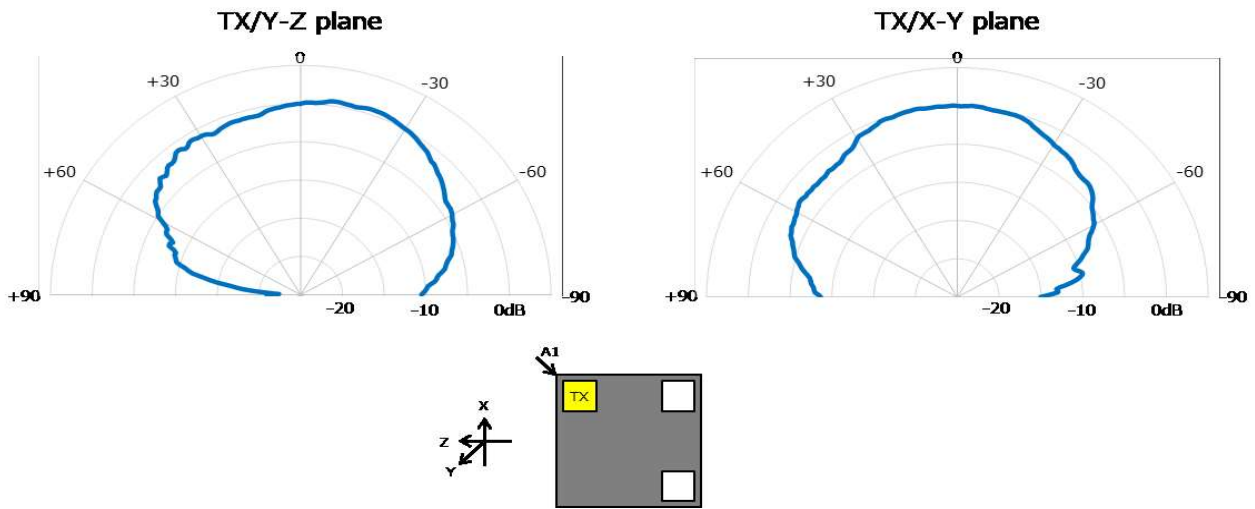


Figure A-1 Measured TX antenna pattern at 24.15GHz

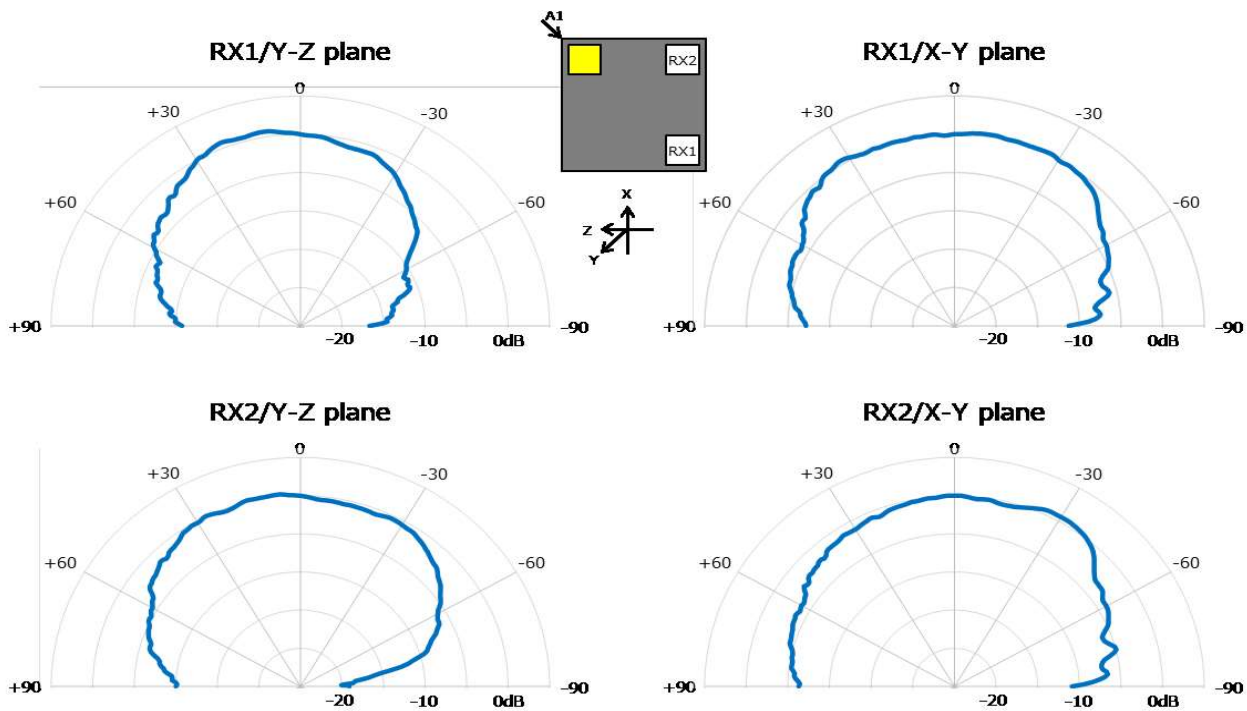


Figure A-2 Measured RX antenna pattern at 24.15GHz