

Through research in **basic materials and technologies**,
we develop innovative products and reliable solutions to create value for our customers.



Antenna for certification & swivel antenna gain



Antenna gain data

- The gain data of the two antennas are shown below:
 - Summary: the gain of the swivl antenna is smaller than the maximum gain of the antenna for certification.

Frequency Range	6.25GHz~6.75GHz		
Support Channel	CH5		
Polarization Mode	Circular Polarization		
Gain	Min	Max	
	3.09dBi	3.71 dBi	
Beam Width(3dB)	120°		
Return Loss	<-10dB		
Isolation	>22dB		
Input Impedance	50Ω		
Total efficiency	Min	Avg	Max
	-3.69dB	-3.27dB	-3.02dB

Antenna for certification

antenna-1		antenna-2	
Freq(MHz)	Gain(dBi)	Freq(MHz)	Gain(dBi)
6250	3.00	6250	1.76
6275	3.09	6275	1.94
6300	3.09	6300	2.06
6325	3.01	6325	2.08
6350	3.02	6350	2.11
6375	3.07	6375	2.19
6400	2.92	6400	2.00
6425	2.99	6425	2.02
6450	3.07	6450	2.14
6475	3.20	6475	2.31
6500	3.10	6500	2.27
6525	3.29	6525	2.47
6550	3.28	6550	2.44
6575	3.31	6575	2.51
6600	3.32	6600	2.54
6625	3.27	6625	2.55
6650	3.18	6650	2.55
6675	3.13	6675	2.60
6700	3.05	6700	2.65
6725	3.09	6725	2.72
6750	3.13	6750	2.82
Max	3.32	Max	2.82

Swivl antenna



The End