

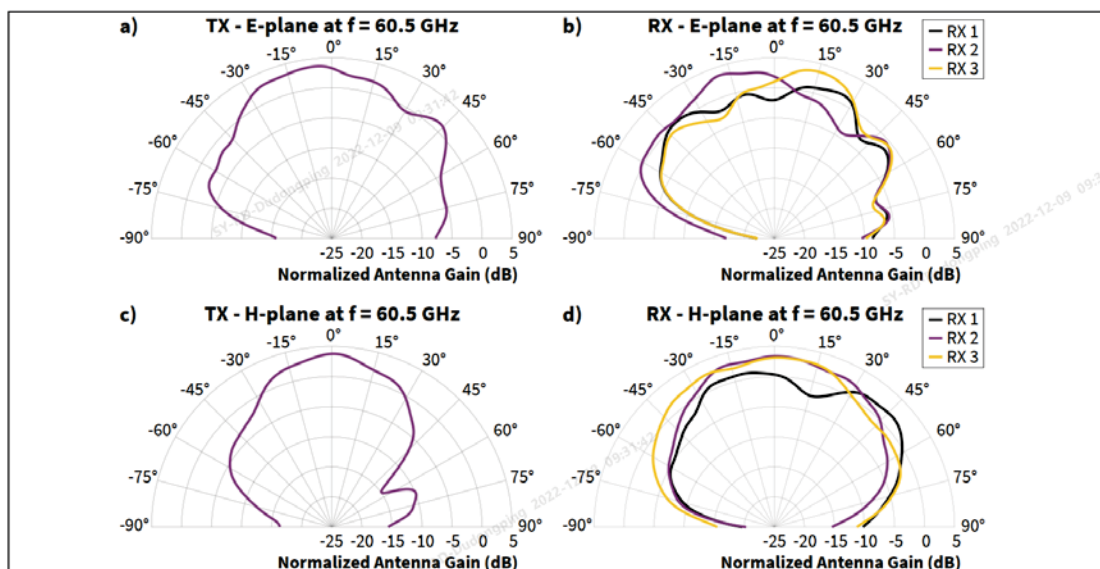
Radar chip BGT60TR13C antenna specification:

Manufacturer: Infineon Technologies (China) Co., Ltd.

Address: 2-4 Floor, No. 4, Lane 55, Chuanhe Road, China (Shanghai) Pilot Free Trade Zone

Table 30 Antennas In Package Specifications

Spec	Unit	Value			Condition
Parameter		Min	Typ	Max	
RX_BW, TX_BW	GHz	58.0		63.5	Antenna bandwidth
GTX	dBi	2.0	3.5	5.0	Antenna gain of a single TX antenna
GRX	dBi	2.0	3.5	5.0	Antenna gain of a single RX antenna
HPBW_RX_E	Deg	50	65	80	Half-power beam width of a single RX antenna in the E-plane direction
HPBW_RX_H	Deg	20	35	50	Half-power beam width of a single RX antenna in the H-plane direction.
HPBW_TX_E	Deg	50	65	80	Half-power beam width of a single TX antenna in the E-plane direction
HPBW_TX_H	Deg	25	40	55	Half-power beam width of a single TX antenna in the H-plane direction
D_RX_RX	mm		2.5		Center-to-center distance between RX antennas in X and Y direction



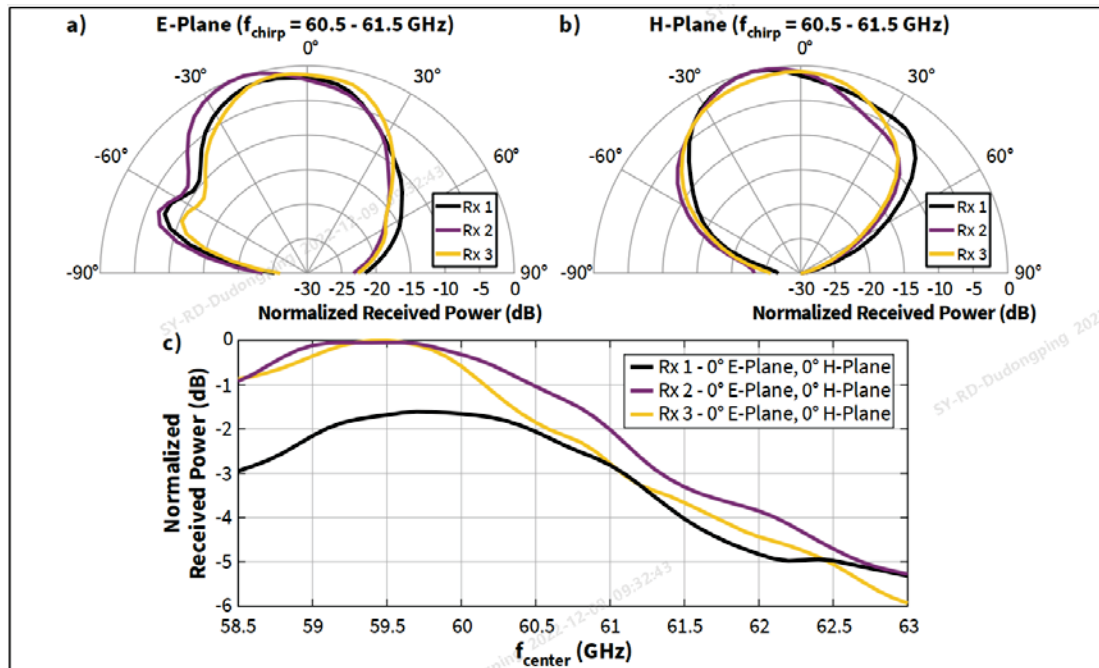


Figure 14 Radiation pattern measurements of a typical sample for a chirp from 60.5 to 61.5 GHz of E-plane (a) and H-plane (b) as well as the received power in dependence of the frequency (c).

Antenna: 6.1mmH*4mmW*0.5mmH

