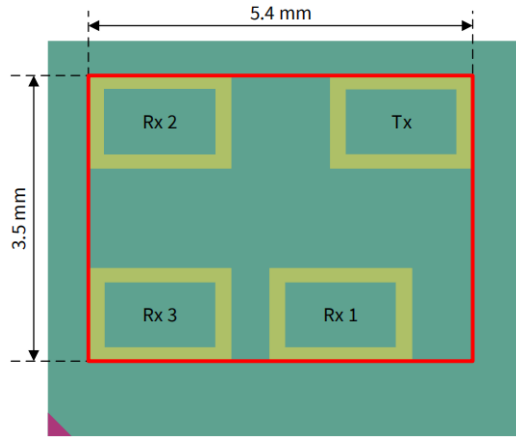


Antenna manufacturer: Infineon Technologies AG
 Address: IFAG CP CC, Am Campeon 1-15, 85579 Neubiberg, Germany
 Antenna model : BGT60TR13C-AIP
 Antenna Type: AIP
 Antenna Dimension: 3.5 mm X 5.4 mm



Radar chip BGT60TR13C antenna specification:

Table 30 Antennas In Package Specifications

Spec	Unit	Value			Condition
		Min	Typ	Max	
Parameter		Min	Typ	Max	
RX_BW, TX_BW	GHz	57		61.56	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

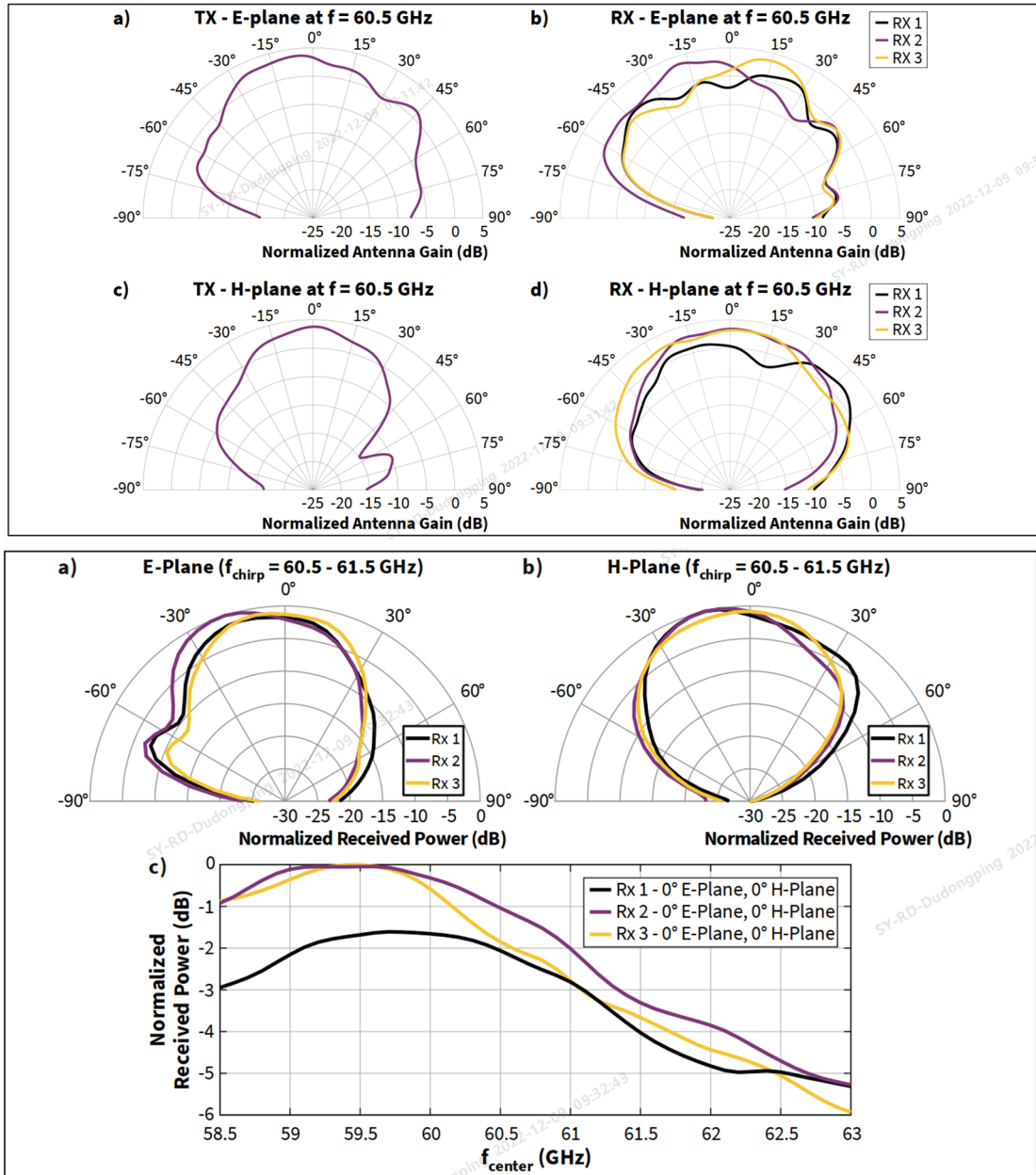


Figure 14 Radiation pattern measurements of a typical sample for a chirp from 60.5 to 61.5 GHz of E-plane (a) and H-plane (b) as well as the received power in dependence of the frequency (c).