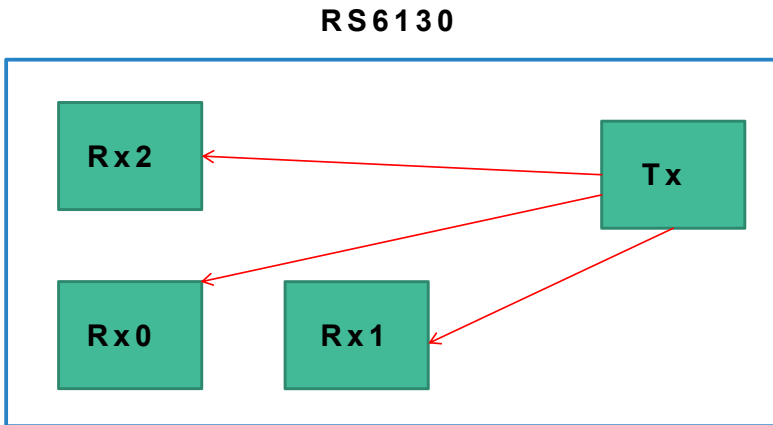


RS6130 A n t e n n a r e p o r t

2024/09/10

Possumic Technology Co. Ltd.
No. 58 Wanchuang Road, Tangjiawan Town, High tech Zone,
Zhuhai City, Guangdong Province

RS6130 1T3R(Tx→Rx0, Tx→Rx1, Tx→Rx2)Antenna gain and direction diagram

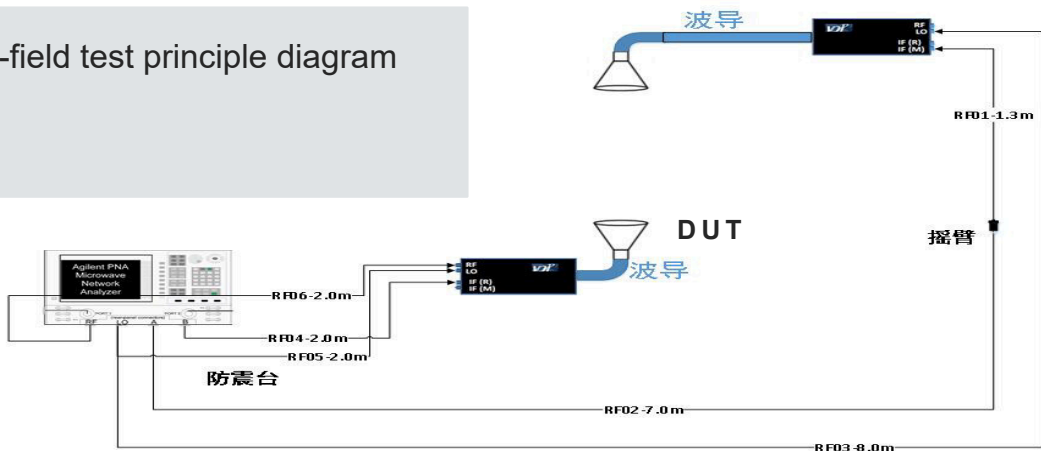


Principle: Energy conservation, that is, the signal power received by Rx is equal to the transmitted power of Tx minus the power of space loss;

Gain : comparison method, using the space loss power is equal, the Rx antenna is replaced by the horn antenna to receive and then the Rx antenna gain is obtained;

Pattern test method: using the Angle reflection to collect the level values in different directions, and then get the normalized pattern;

Far-field test principle diagram



ANT Gain=EIRP-Tx Output Power

Frequency	EIRP	Tx output power	Gain
60GHz	17.29	12.6dbm	4.69dB
61GHz	17.53	12.5dbm	5.03dB
62GHz	17.31	12.4dbm	4.91dB

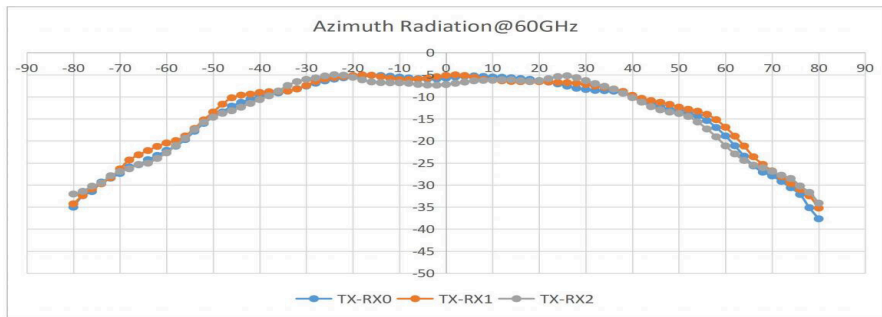


Figure 5-2 Antenna Azimuth(XOZ) Radiation Pattern^{1,2}

Y = energy
amplitude
(dB).

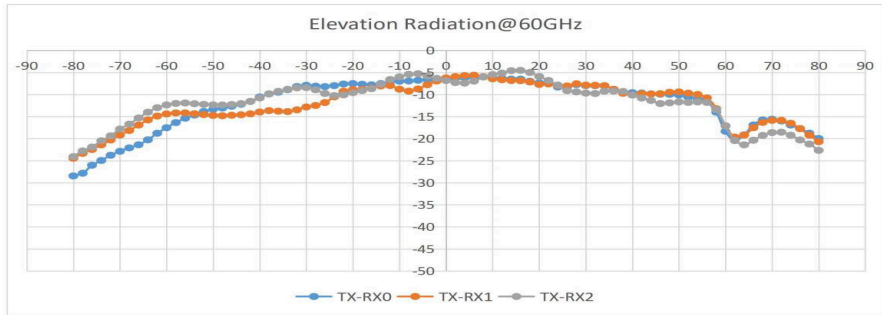


Figure 5-3 Antenna Elevation(YOZ) Radiation Pattern^{1,2}