



Feature

- ※ High gain
- ※ Omani-directional
- ※ Wide bandwidth

Main Antenna

Application

※GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8
LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28/B38/B41/B66 communication applications

Name and address of the antenna manufacturer	Model number of the antenna
Etheta Communication Technology (ShenZhen) Co.Ltd Zone B and Zone D, 3/F, Building 1, Baisha Science and Technology Industrial Park, No. 3011, Shahe West Road, Nanshan District, Shenzhen	BT/2.4G-WIFI/5G-WIFI-antenna:LH6N-ANT1-RD-V0.2; DIV-antenna: LH6N-ANT2-RD-V0.2; Main-antenna:LH6N-ANT3-RD-V0.2;



Transmitter Frequency	GSM 850/WCDMA B5/LTE B5: 824 - 849 MHz
	GSM 900/WCDMA B8/LTE B8: 880 - 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66: 1710 - 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1: 1920 - 1980MHz
	LTE B7:2500-2570MHz
	LTE B40:2300-2400MHz
	LTE B38:2570-2620MHz
	LTE B41:2496-2690MHz
	LTE B20:832-862MHz
	LTE B12:699-716MHz
	LTE B17:704-716MHz
	LTE B28:710-755MHz
Receiver Frequency	GSM 850/WCDMA B5/LTE B5: 869 - 894 MHz
	GSM 900/WCDMA B8/LTE B8: 925 - 960 MHz
	DCS/LTE B3/B66: 1805 - 1880 MHz
	WCDMA 4/LTE B4: 2110-2155 MHz
	PCS/WCDMA B2/LTE B2:1930-1990MHz
	WCDMA B1/LTE B1: 2110 - 2170MHz
	LTE B7:2620-2690MHz
	LTE B40:2300-2400MHz
	LTE B38:2570-2620MHz
	LTE B41:2496-2690MHz
	LTE B20:791-821MHz
	LTE B12:729-746MHz
	LTE B17:734-746MHz
LTE B28:758-803MHz	
Main Antenna Gain (Peak Gain)	GSM 850/WCDMA B5/LTE B5: -4.1dBi
	GSM 900/WCDMA B8/LTE B8: -3.9dBi
	DCS/WCDMA B4/ LTE B3/B4/B66: -0.8dBi
	PCS/WCDMA B2/LTE B2: -0.1dBi
	WCDMA B1/LTE B1: -0.1dBi
	LTE B7/B38/B41: -0.8dBi
	LTE B20:-4.1dBi
	LTE B12/B17/B28:-4.7dBi
2in1 Antenna Gain (Peak Gain)	2.4G Wi-Fi,Bluetooth/BLE:0.8dBi
5G Wi-Fi Antenna	5G Wi-Fi: -0.4dBi



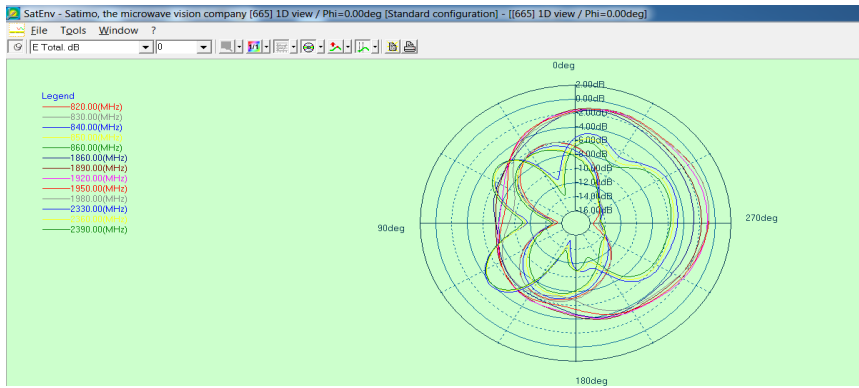
※ Antenna Gain

GSM 850 average: -4.1dBi;
EGSM 900 average: -3.9dBi;
DCS1800 average: -0.8dBi;
PCS1900 average: -0.1dBi
WCDMA850 average: -4.1dBi
WCDMA900 average: -3.9dBi
WCDMA1700 average: -0.8dBi
WCDMA1900 average: -0.1dBi
WCDMA2100 average: -0.1dBi
LTE FDD B1 average: -0.1dBi;
LTE FDD B2 average: -0.1dBi;
LTE FDD B3 average: -0.8dBi;
LTE FDD B4 average: -0.8dBi
LTE FDD B5 average: -4.1dBi;
LTE FDD B7 average: -0.8dBi;
LTE FDD B8 average: -3.9dBi;
LTE FDD B12 average: -4.7dBi;
LTE FDD B17 average: -4.7dBi;
LTE FDD B20 average: -4.1dBi;
LTE FDD B28 average: -4.7dBi;
LTE FDD B38 average: -0.8dBi
LTE FDD B41 average: -0.8dBi
LTE FDD B66 average: -0.8dBi

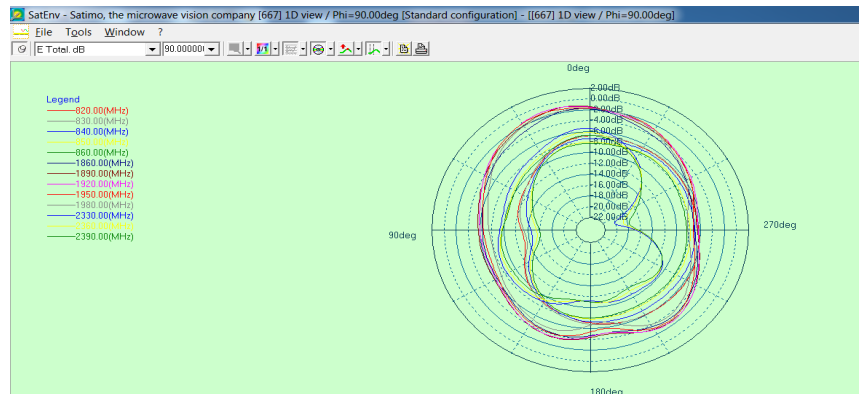
Bluetooth/2.4G Wi-Fi average: 0.8dBi
5G Wi-Fi average: -0.4dBi
GPS average: 0.7dBi



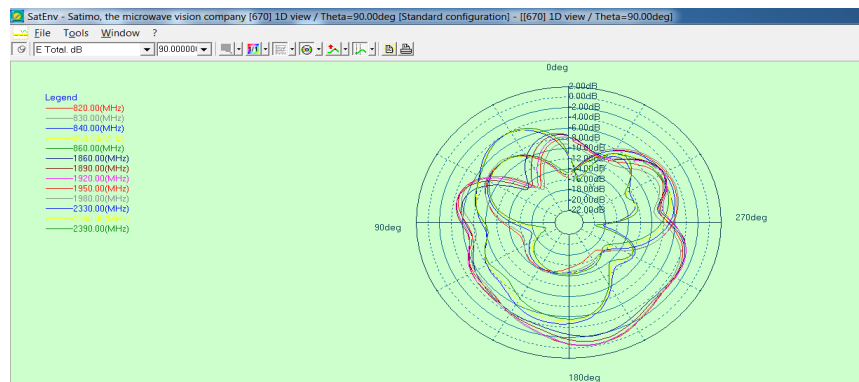
✧ Antenna Gain
Main Antenna



GSM850/PCS1900/WCDMA B1/B2/B5/LTE B1/B2/B5/B20/B66 Phi=0deg



GSM850/PCS1900/WCDMA B1/B2/B5/LTE B1/B2/B5/B20/B66 Phi=90deg

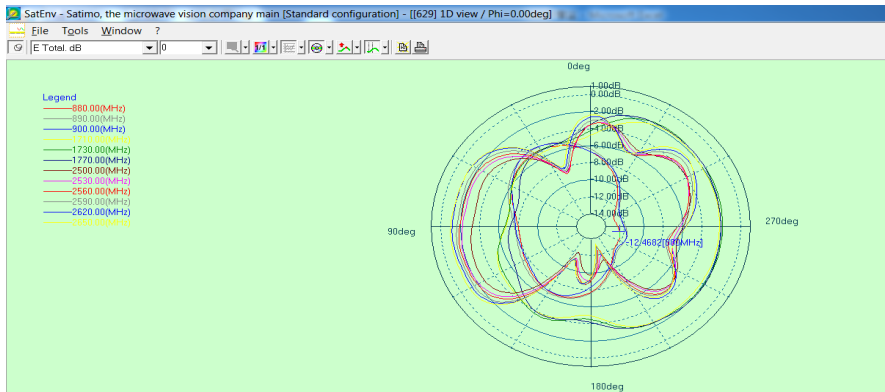


GSM850/PCS1900/WCDMA B1/B2/B5/LTE B1/B2/B5/B20/B66 Theta=90deg

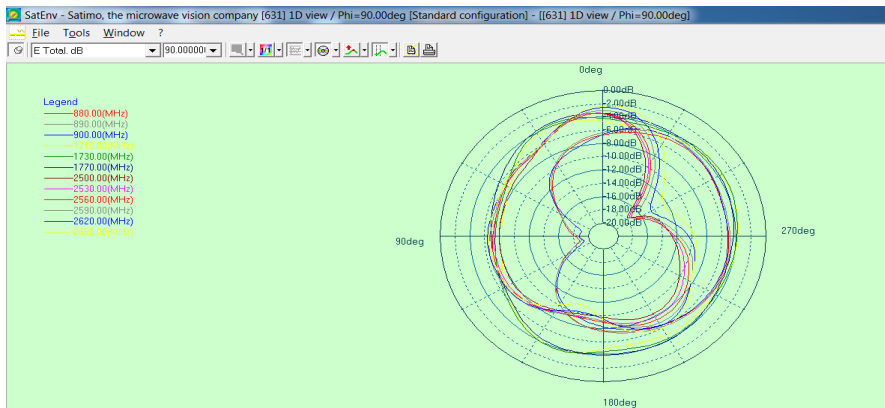


※ Antenna Gain

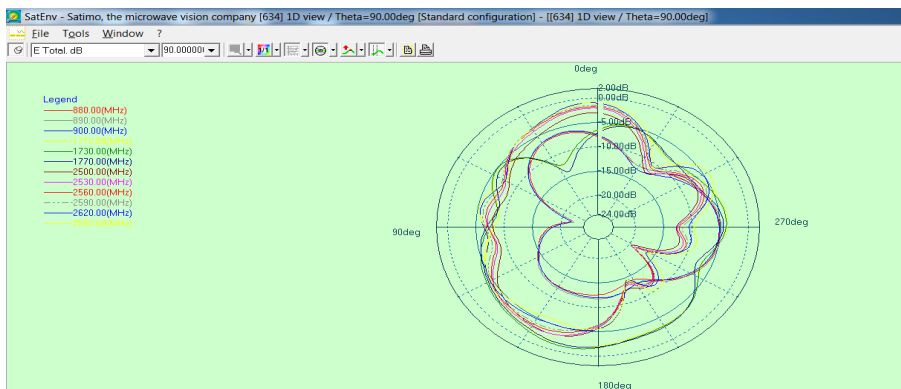
Main Antenna



GSM900 / DCS1800/ WCDMA B4/B8 / LTE B3/B4/B8 Phi=0deg

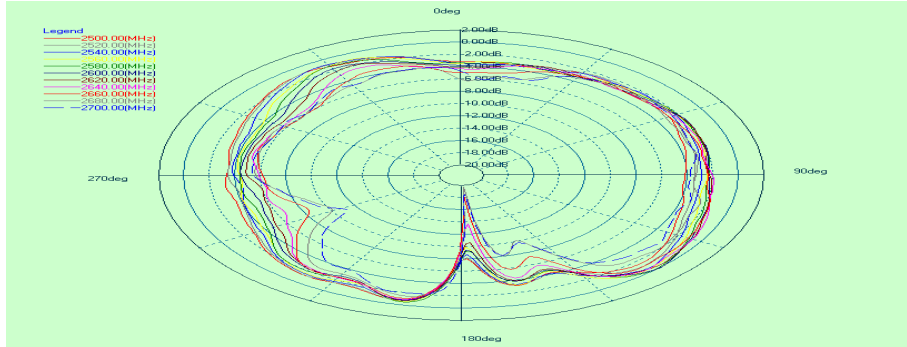


GSM900 / DCS1800/ WCDMA B4/B8 / LTE B3/B4/B8 Phi=90deg

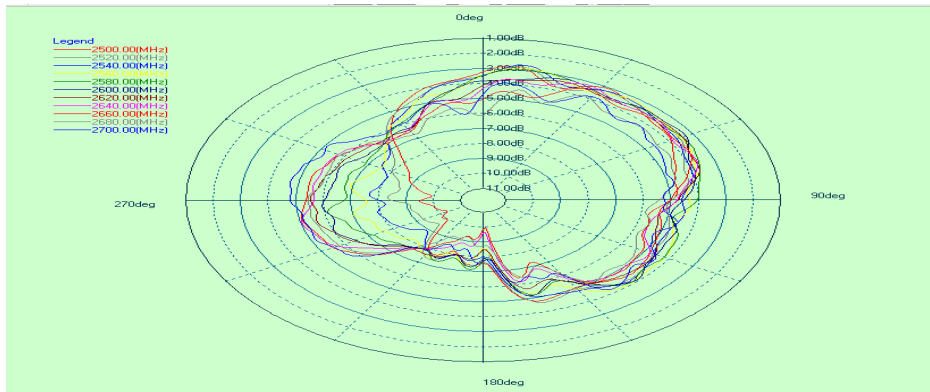


GSM900 / DCS1800/ WCDMA B4/B8 / LTE B3/B4/B8 Theta=90deg

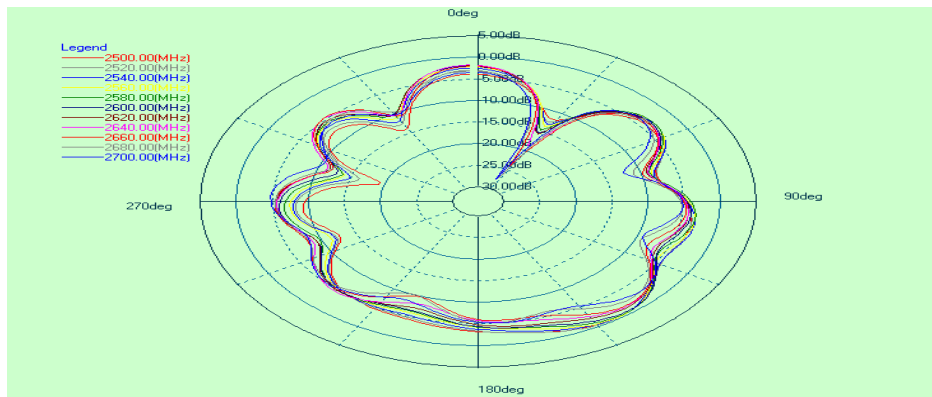
Main Antenna



LTE B7/B38/41 Phi=0deg



LTE B7/B38/41 Phi=90deg

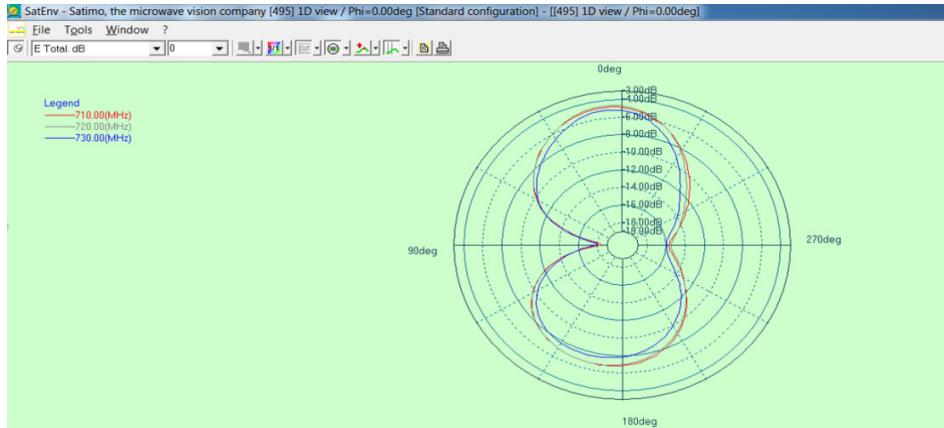


LTE B7/B38/41 Theta=90deg

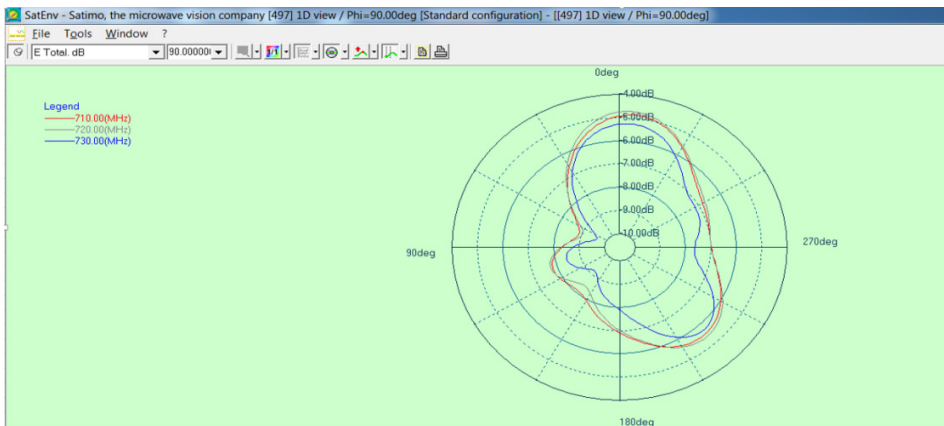


※ Antenna Gain

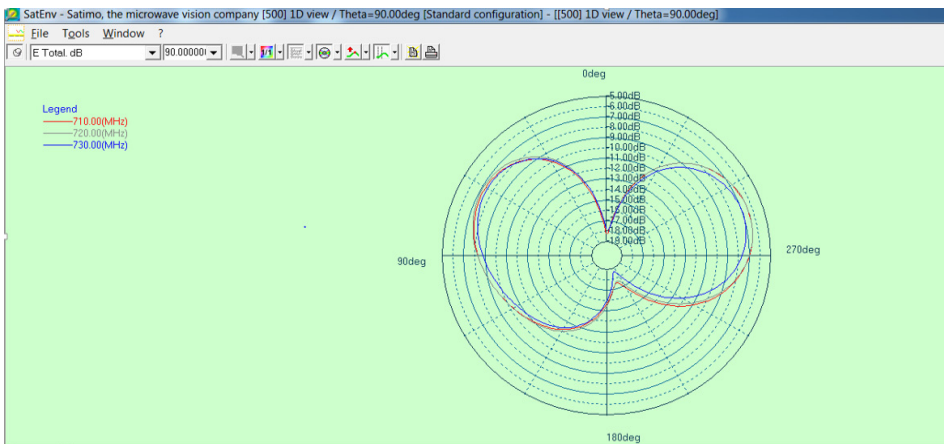
Main Antenna



LTE B12/B17/B28 $\Phi=0^\circ$



LTE B12/B17/B28 $\Phi=90^\circ$

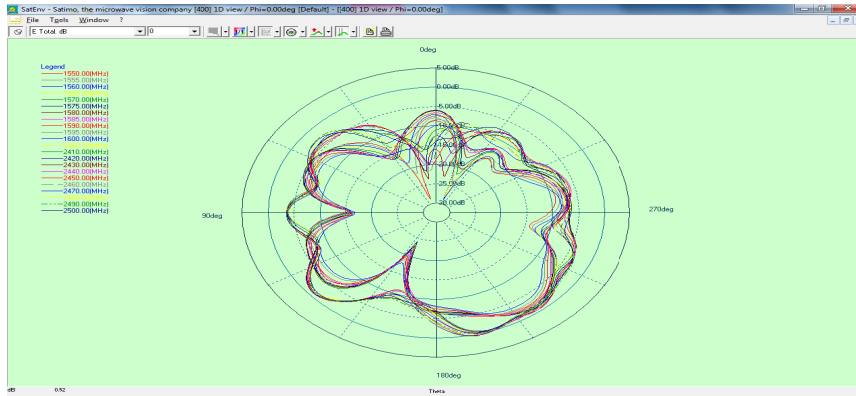


LTE B12/B17/B28 $\Theta=90^\circ$

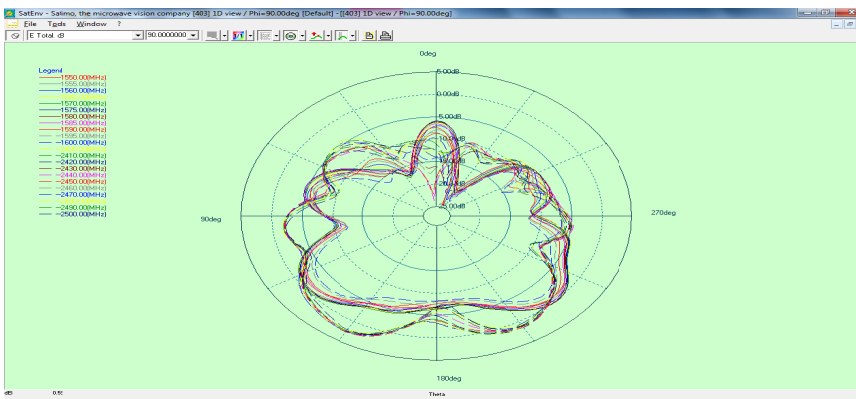


※ Antenna Gain

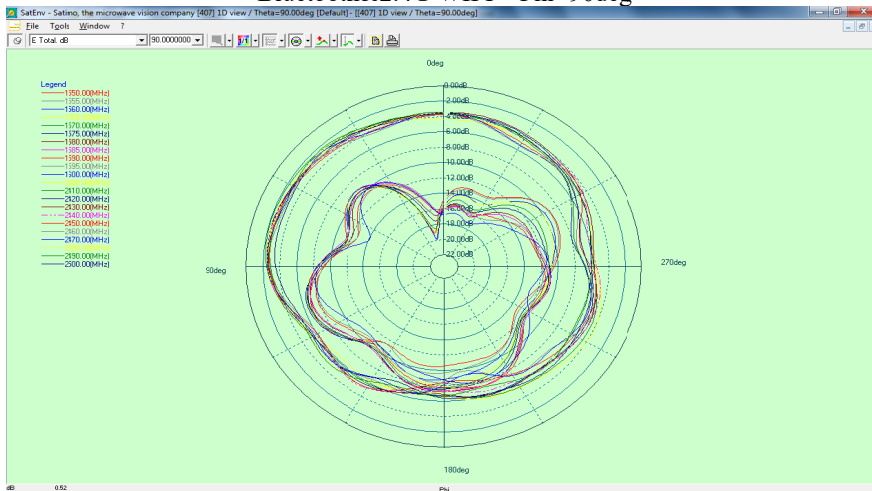
2in1 Antenna



Bluetooth&2.4G WIFI $\Phi=0^\circ$

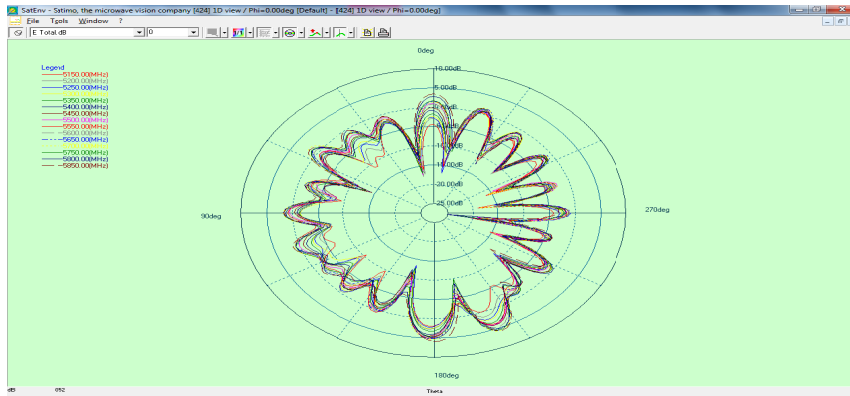


Bluetooth&2.4G WIFI $\Phi=90^\circ$

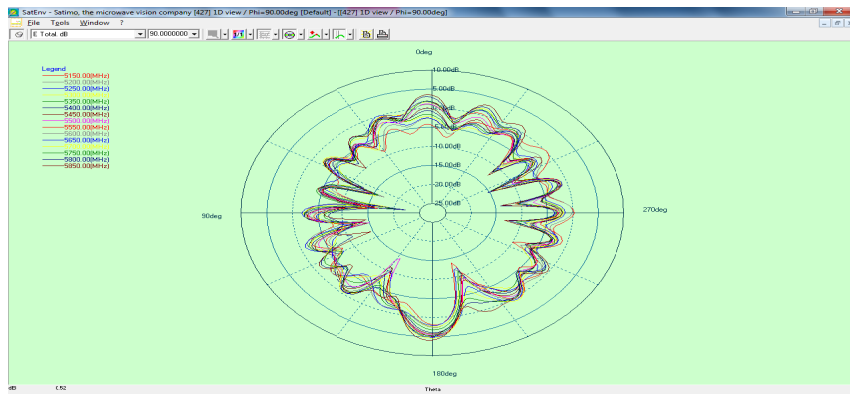


Bluetooth&2.4G WIFI $\Theta=90^\circ$

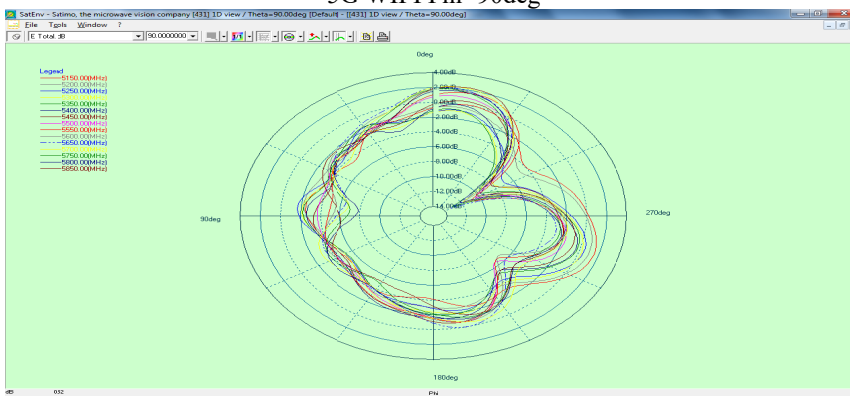
※ Antenna Gain
5G WIFI Antenna



5G WIFI Phi=0deg

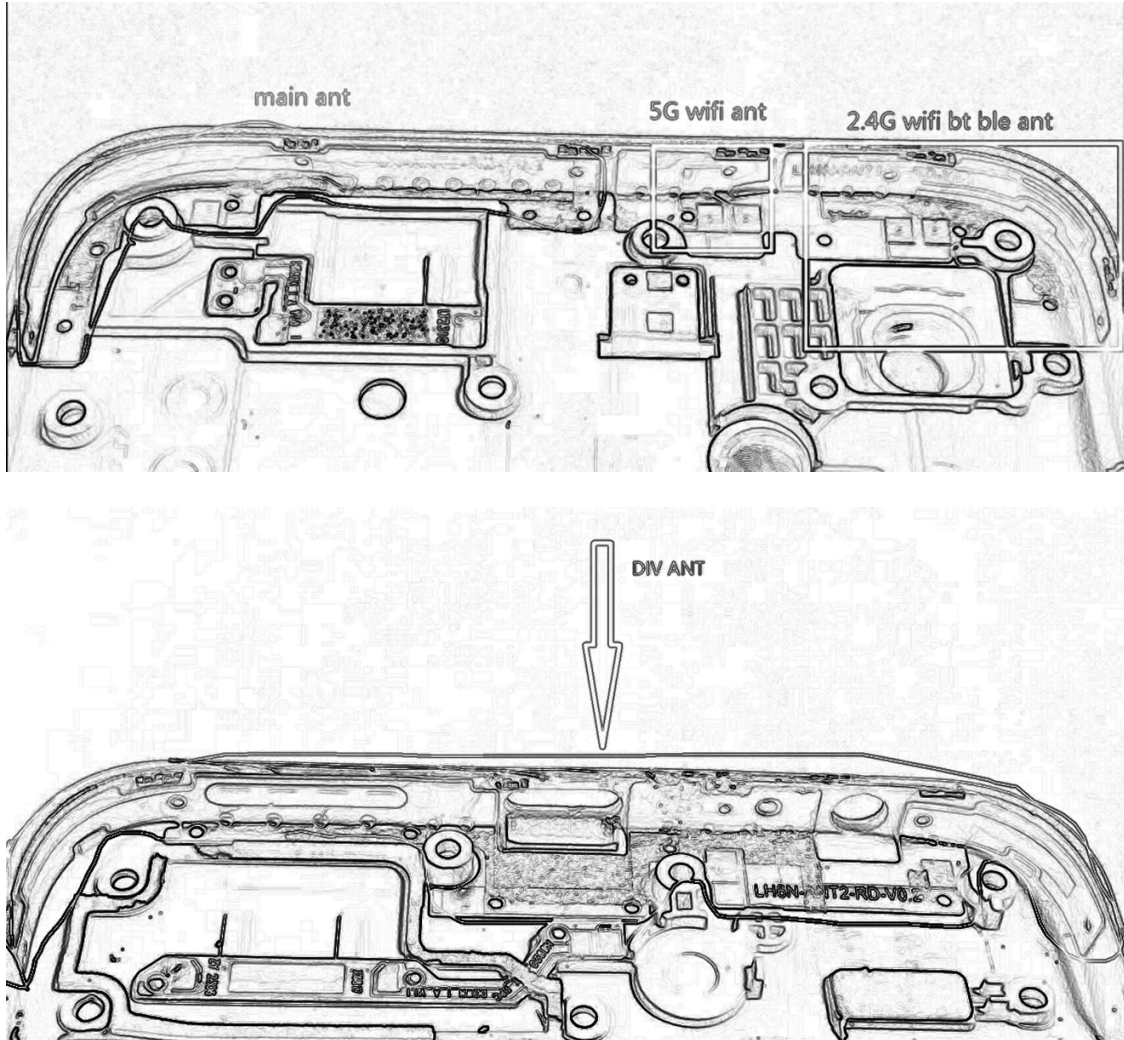


5G WIFI Phi=90deg



5G WIFI Theta=90deg

Antenna Photo:



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