

Feature

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

Application

※GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B26/B28A/B28B/B38/B41/B66

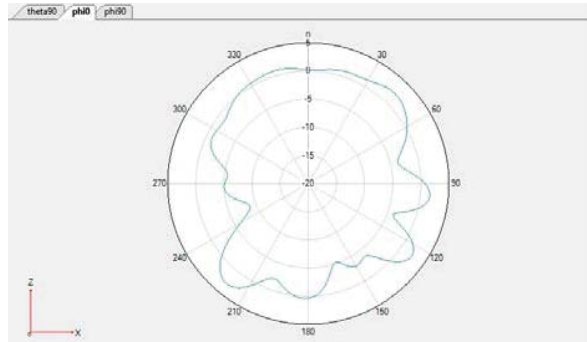
Name and address of the antenna manufacturer	Model number of the antenna
Zhejiang Haitong Communication Electronic Ltd. Co., Chongqing Branch Add: Room 304, Building 27, Fire Chain Digital Innovation Base, Xiantao Data Valley, Yubei District, Chongqing	S688LN-ANT0 S688LN-ANT1 S688LN-ANT2 S688LN-ANT3 S688LN-ANT12 S688LN-ANT13 S688LN-ANT14

TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5/B26: 814 - 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 B7:2496-2565MHz
	LTE B38/B41 :2565-2645MHz
	LTE B20 :832-862MHz
	LTE B12 :699-716MHz
	LTE B17 :704-716MHz
LTE B28 :710-755MHz	
Receiver Frequency	GSM 850/WCDMA B5/LTE B5/B26 : 859 - 894 MHz
	GSM 900/WCDMA B8/LTE B8 : 925 - 960 MHz
	DCS/LTE B3: 1805 - 1880 MHz
	WCDMA 4/LTE B4 : 2110-2155 MHz
	PCS/WCDMA B2/LTE B2:1930-1990MHz
	WCDMA B1/LTE B1/B66 : 2110 - 2170MHz
	LTE B7:2620-2690MHz
	LTE B38/41 :2565-2645MHz
	LTE B20:791-821MHz
	LTE B12:729-746MHz
LTE B17:734-746MHz	
LTE B28 :758-803MHz	
RF-Output Power (E.I.R.P)	GSM850/900: 32+/-2dBm
	DCS/PCS: 30+/-2dBm
	LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B26/B28/B38/B41/B66: 23+/-2dBm
	WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm

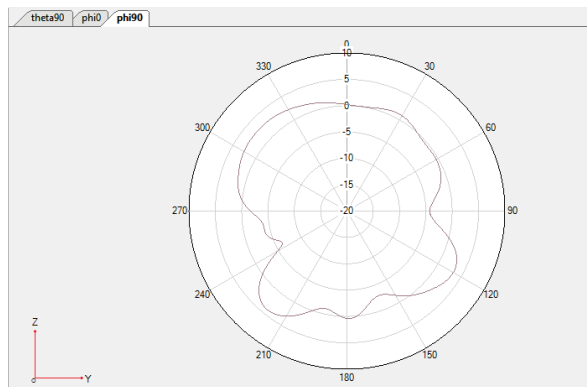
Antenna Gain	ANT0 (LB-PRX)	GSM 850/WCDMA B5/LTE B5/B26: -5.21
		GSM 900/WCDMA B8/LTE B8: -6.08
		LTE B20 :-5.84
		LTE B12/B17/B28 :-5.41
	ANT1 (MHB-PRX)	DCS /WCDMA B4/LTE B3/B4/B66 :-1.25
		PCS/WCDMA B2/LTE B2: -2.43
		WCDMA B1/LTE B1 : -2.65
		LTE B7/B38/B41 : -0.44
	ANT2 (LB-DRX)	GSM 850/WCDMA B5/LTE B5/B26: -5.79
		GSM 900/WCDMA B8/LTE B8: -5.15
		LTE B20 :-4.72
		LTE B12/B17/B28A :-5.98
		LTE B28B :-6.15
	ANT3 (MHB-DRX)	DCS/LTE B3 : -3.99
		PCS/WCDMA B2/LTE B2: -1.78
		WCDMA B1/LTE B1 : -1.93
WCDMA B4 LTE B4/B66:-7.93		
LTE B7/B38/B41 :-0.95		
ANT12	GPS(L1):-1.39	
ANT13	WIFI 2.4G:-1.59	
ANT14	BT/WIFI 2.4G:-1.43 5G: -1.39	

※ Antenna Gain

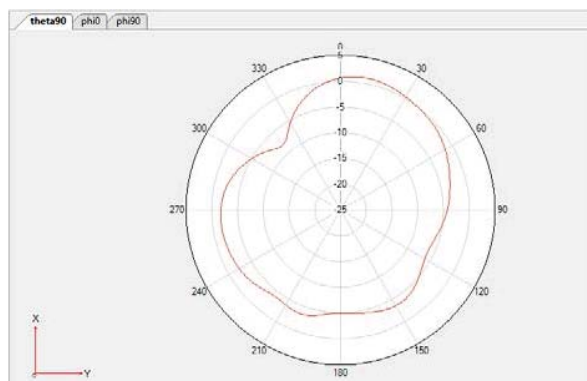
ANT12



GPS Phi=0deg



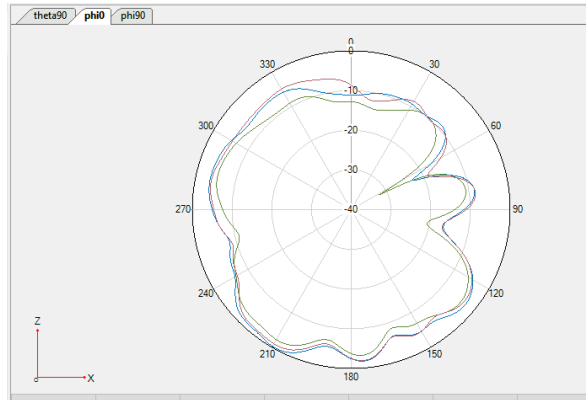
GPS Phi=90deg



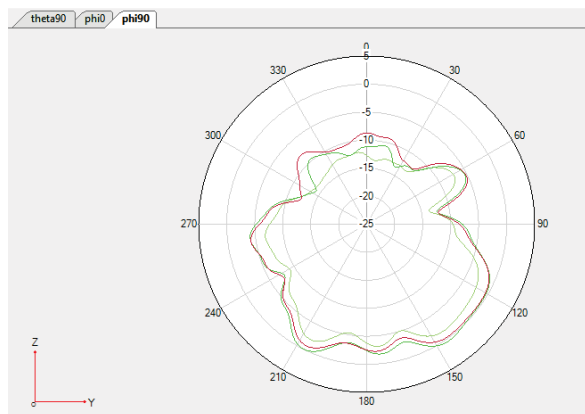
GPS Theta=90deg

※ Antenna Gain

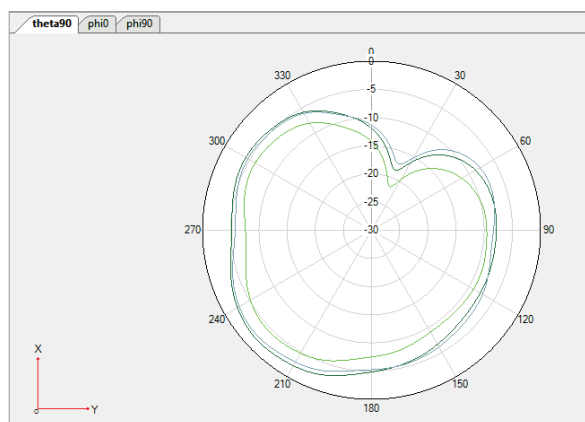
ANT13



2.4G WIFI&BT Phi=0deg



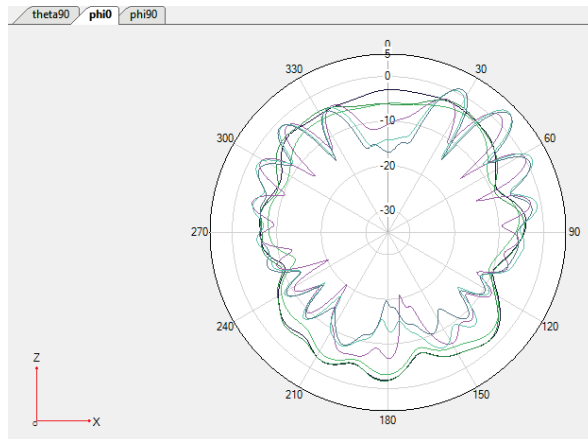
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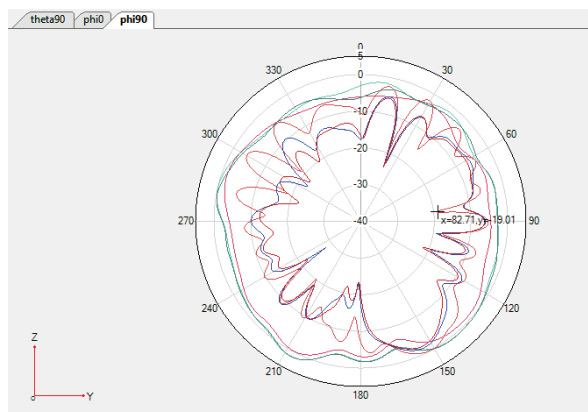
2.4G WIFI&BT Theta=90deg

※ Antenna Gain

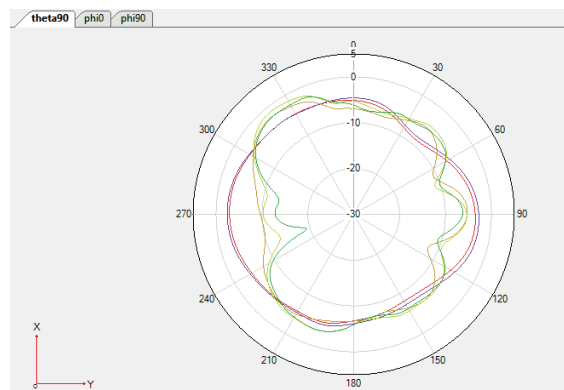
ANT14



2.4G WIFI&BT& 5G WIFI Phi=0deg

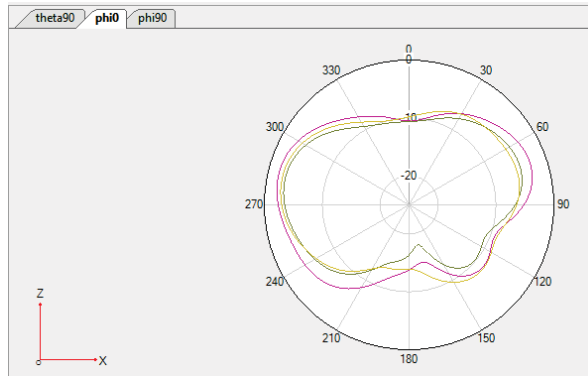


2.4G WIFI&BT& 5G WIFI Phi=90deg

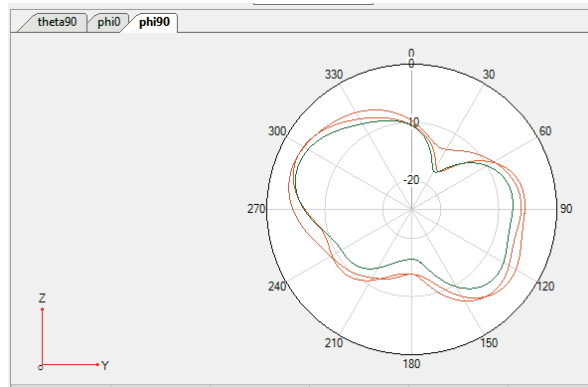


2.4G WIFI&BT& 5G WIFI Theta=90deg

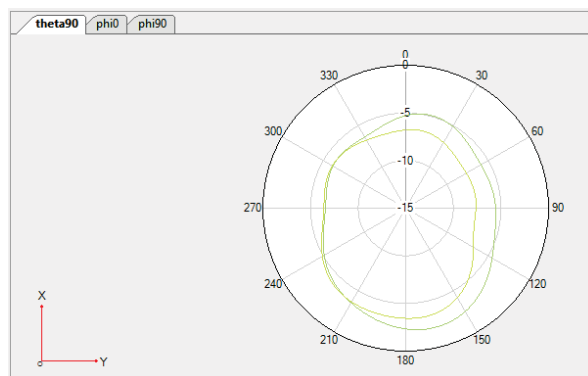
※ Antenna Gain
ANT0



B12/17/B28 Phi=0deg



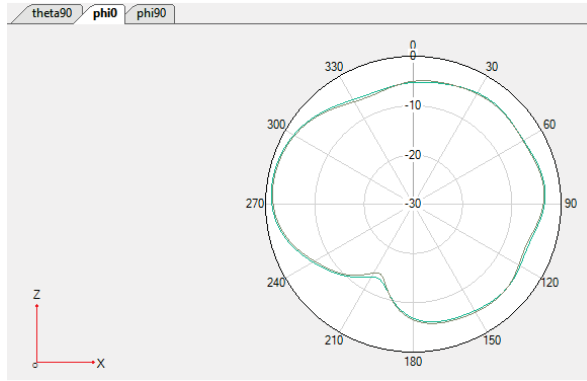
B12/17/B28 Phi=90deg



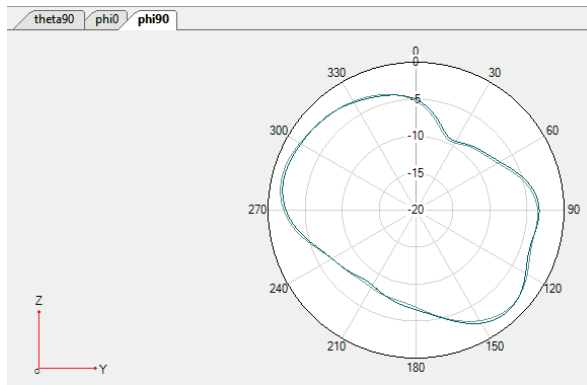
B12/17/B28 Theta=90deg

※ Antenna Gain

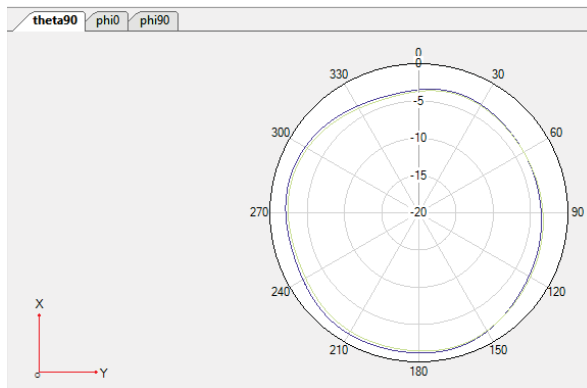
ANT0



B20 Phi=0deg



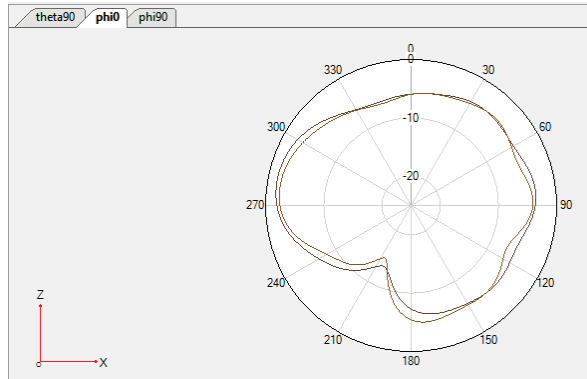
B20 Phi=90deg



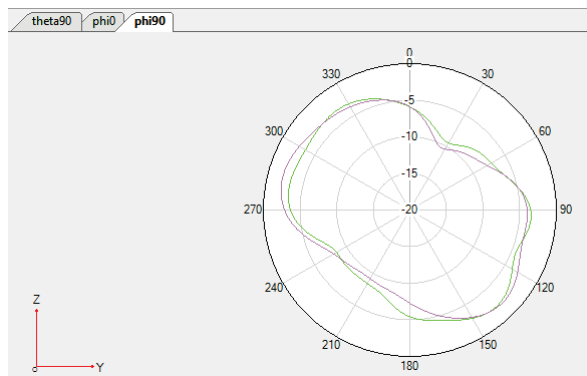
B20 Theta=90deg

※ Antenna Gain

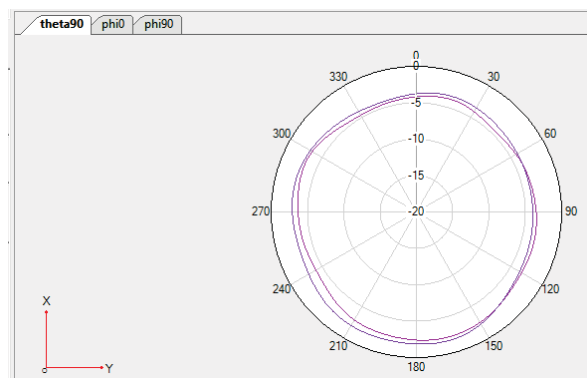
ANT0



GSM850/WCDMA B5/LTE B5/B26 Phi=0deg



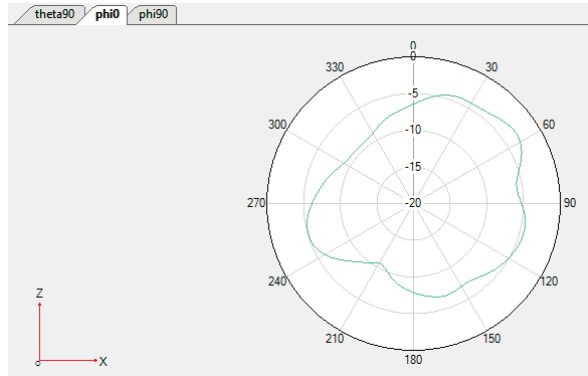
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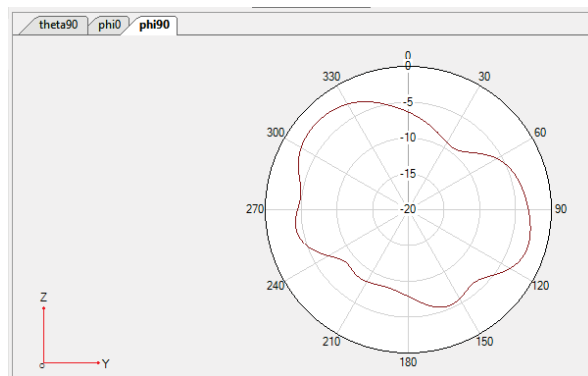
GSM850/WCDMA B5/LTE B5/B26 Theta=90deg

※ Antenna Gain

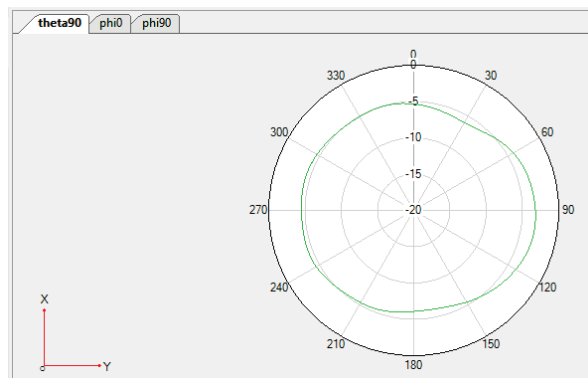
ANT0



GSM900/WCDMA B8/LTE B8 Phi=0deg



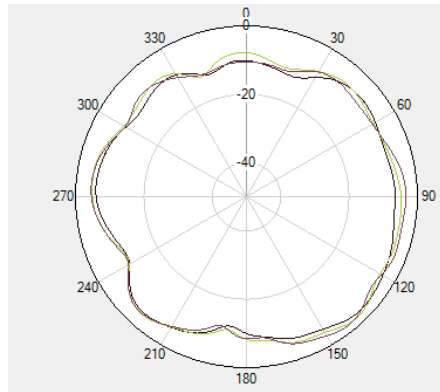
GSM900/WCDMA B8/LTE B8 Phi=90deg



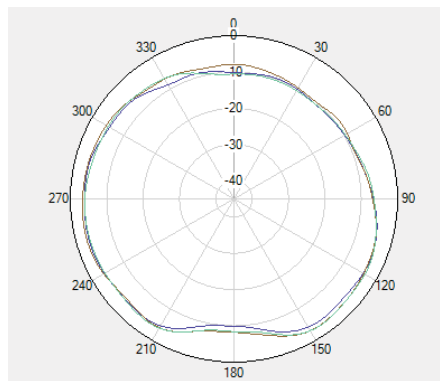
GSM900/WCDMA B8/LTE B8 Theta=90deg

※ Antenna Gain

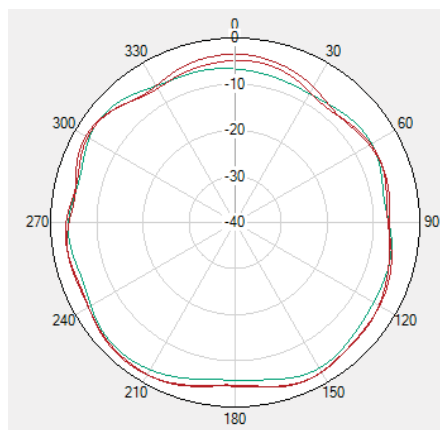
ANT1



LTE B7/B38/B41 $\Phi = 0^\circ$



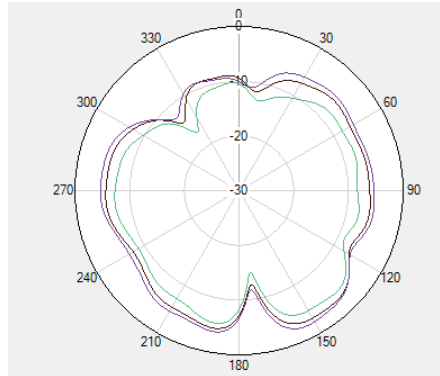
LTE B7/B38/B41 $\Phi = 90^\circ$



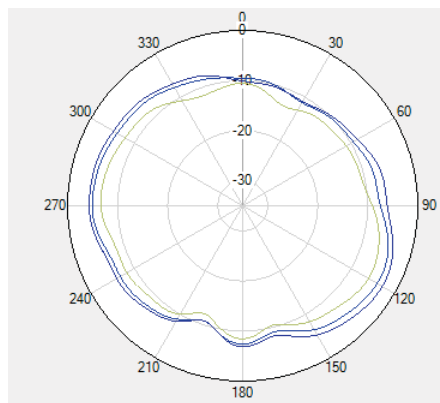
LTE B7/B38/B41 $\Theta = 90^\circ$

※ Antenna Gain

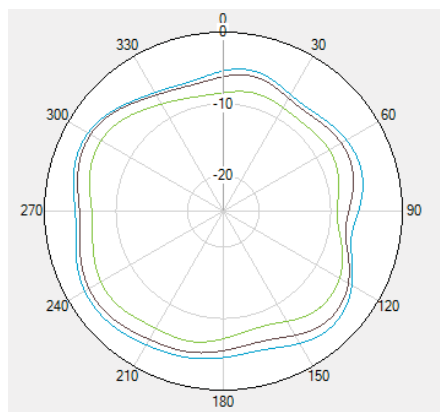
ANT1



DCS/PCS/WCDMA B2/LTE B2/B3 Phi=0deg



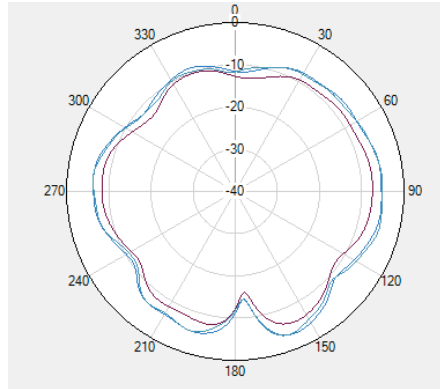
DCS/PCS/WCDMA B2/LTE B2/B3 Phi=90deg



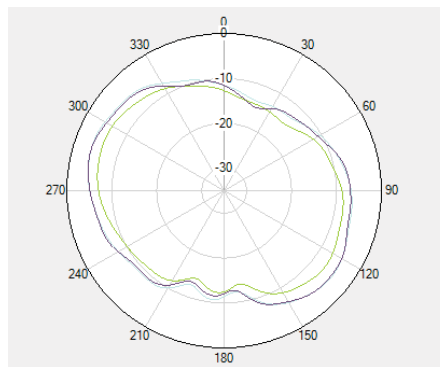
DCS/PCS/WCDMA B2/LTE B2/B3 Theta=90deg

※ Antenna Gain

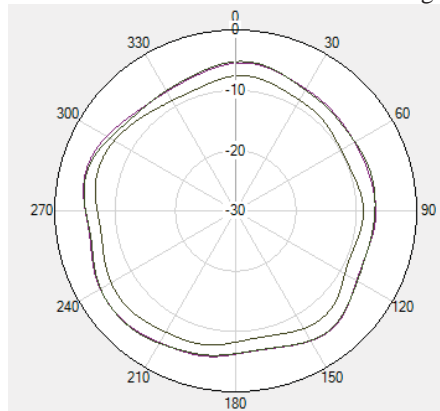
ANT1



WCDMA B1/LTE B1/B4 Phi=0deg

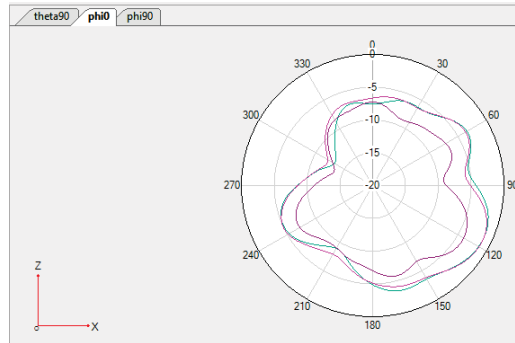


WCDMA B1/LTE B1/B4 Phi=90deg

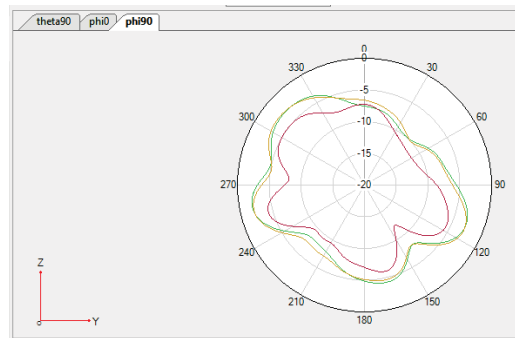


WCDMA B1/LTE B1/B4 Theta=90deg

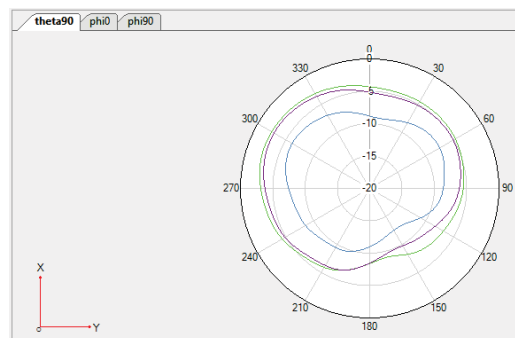
※ Antenna Gain
ANT2



GSM900/WCDMA8/LTE B8 Phi=0deg



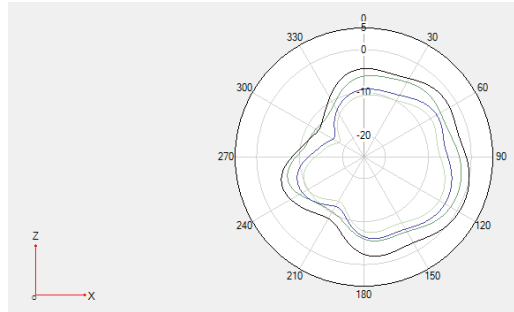
GSM900/WCDMA8/LTE B8 Phi=90deg



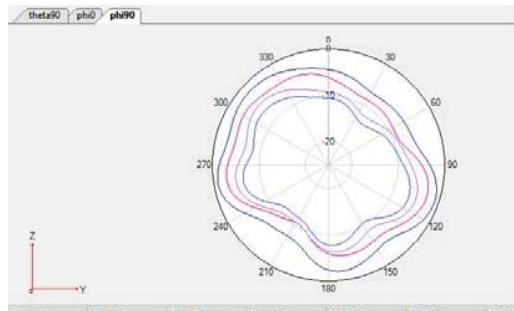
GSM900/WCDMA8/LTE B8 Theta=90deg

※ Antenna Gain

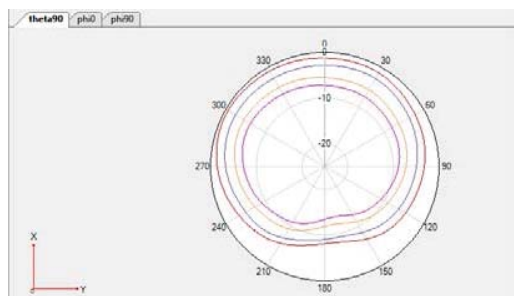
ANT2



GSM850/WCDMA B5/LTE B5 Phi=0deg



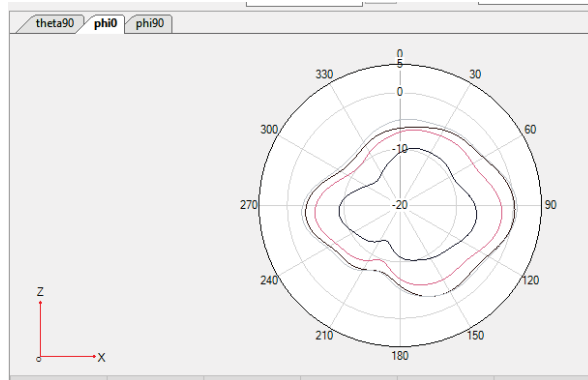
GSM850/WCDMA B5/LTE B5 Phi=90deg



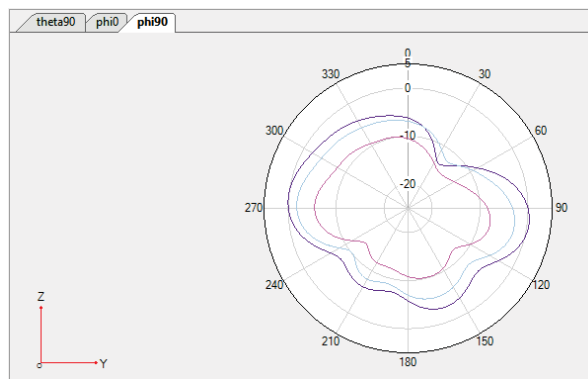
GSM850/WCDMA B5/LTE B5 Theta=90deg

※ Antenna Gain

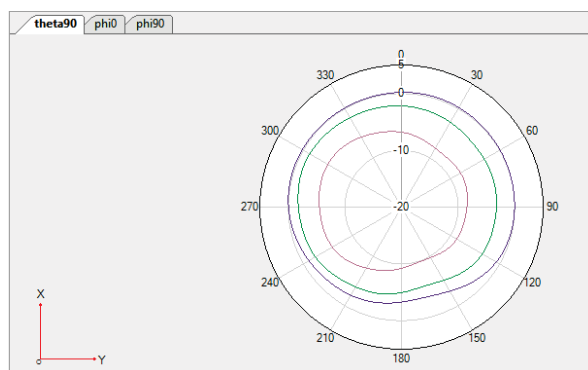
ANT2



LTE B28A Phi=0deg



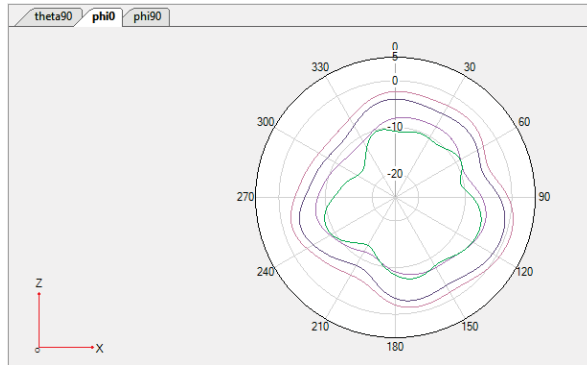
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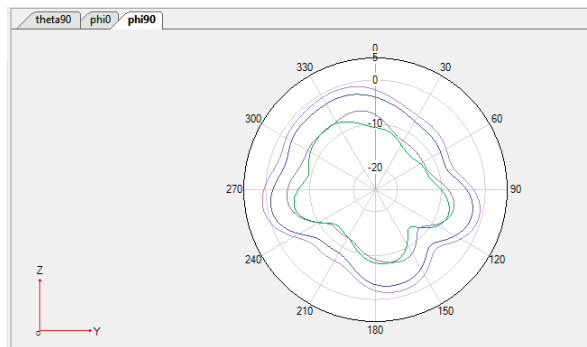
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※ Antenna Gain

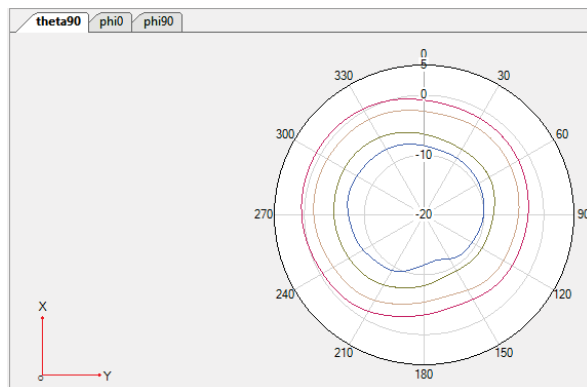
ANT2



LTE B20 Phi=0deg



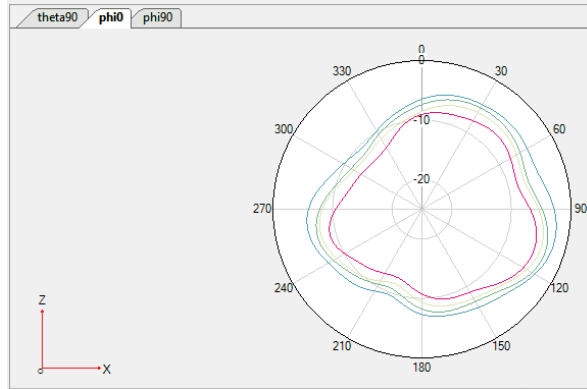
LTE B20 Phi=90deg



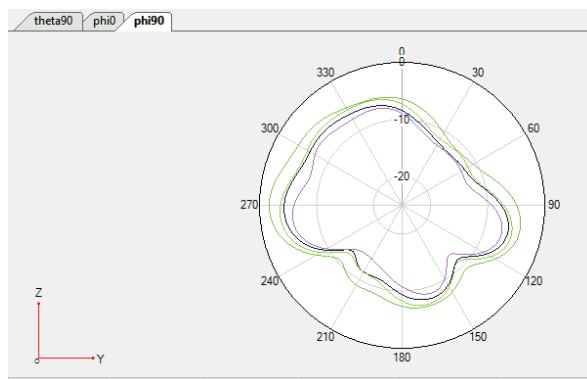
LTE B20 Theta=90deg

※ Antenna Gain

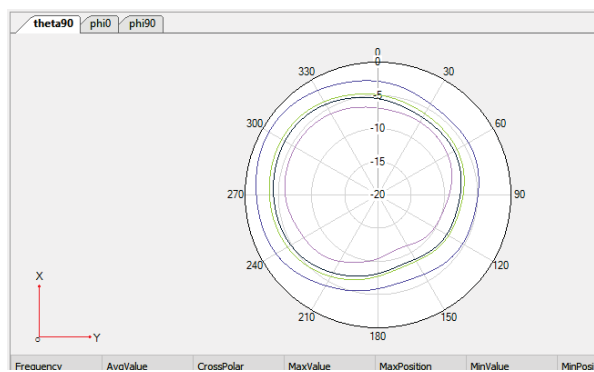
ANT2



LTE B28B Phi=0deg



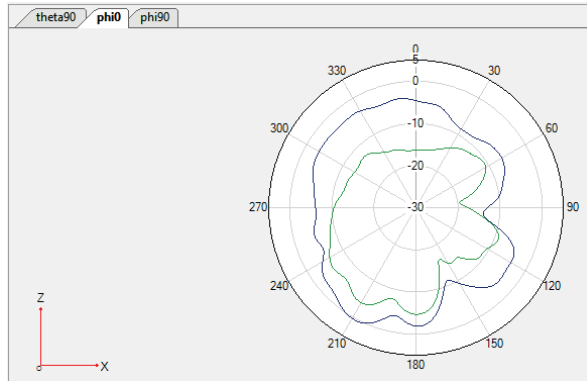
LTE B28B Phi=90deg



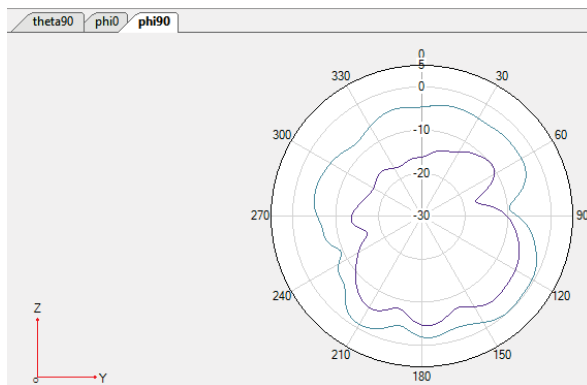
LTE B28B Theta=90deg

※ Antenna Gain

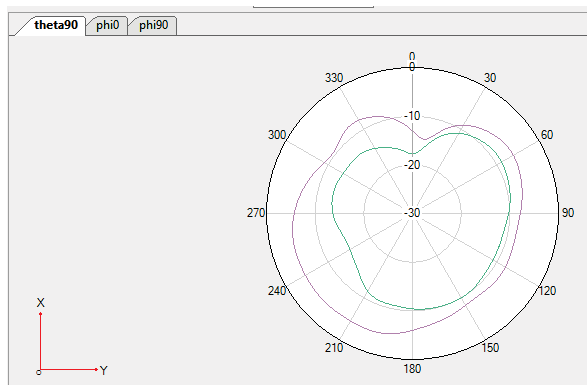
ANT3



DCS/PCS/WCDMA B2/LTE B2/B3 Phi=0deg



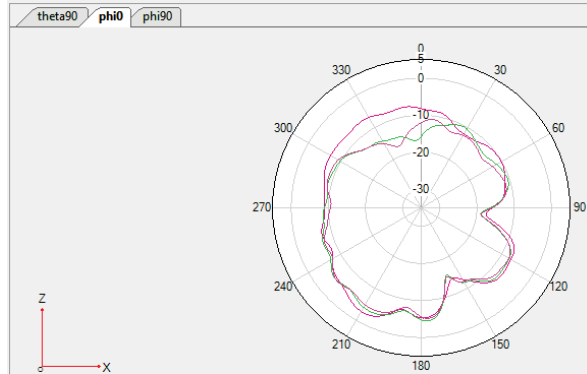
DCS/PCS/WCDMA B2/LTE B2/B3 Phi=90deg



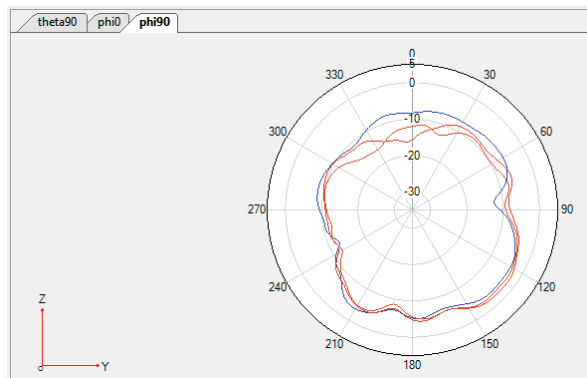
DCS/PCS/WCDMA B2/LTE B2/B3 Theta=90deg

※ Antenna Gain

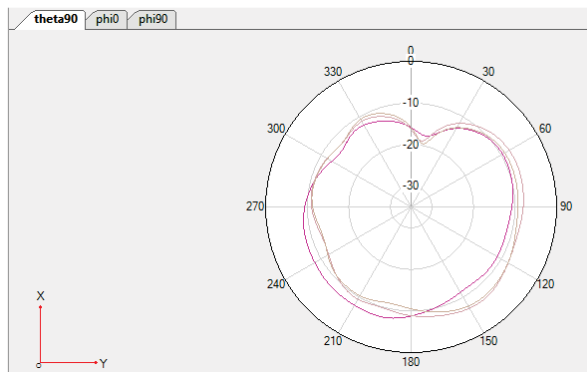
ANT3



WCDMA B1/B4/LTE B1/B4 Phi=0deg



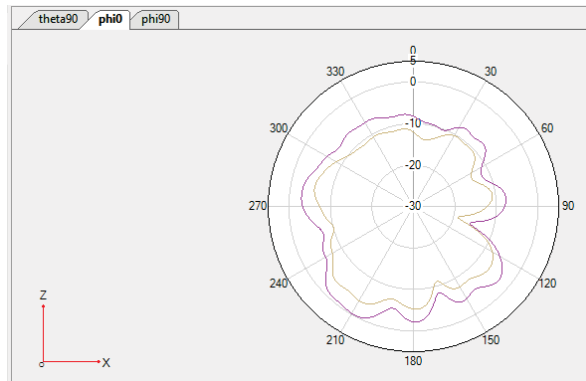
WCDMA B1/B4/LTE B1/B4 Phi=90deg



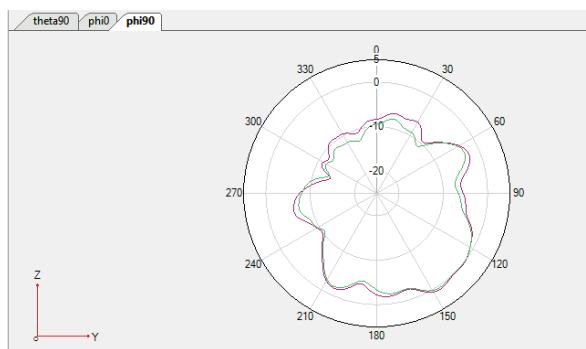
WCDMA B1/B4/LTE B1/B4 Theta=90deg

※ Antenna Gain

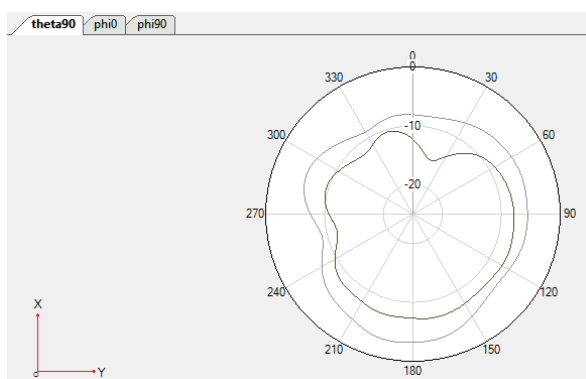
ANT3



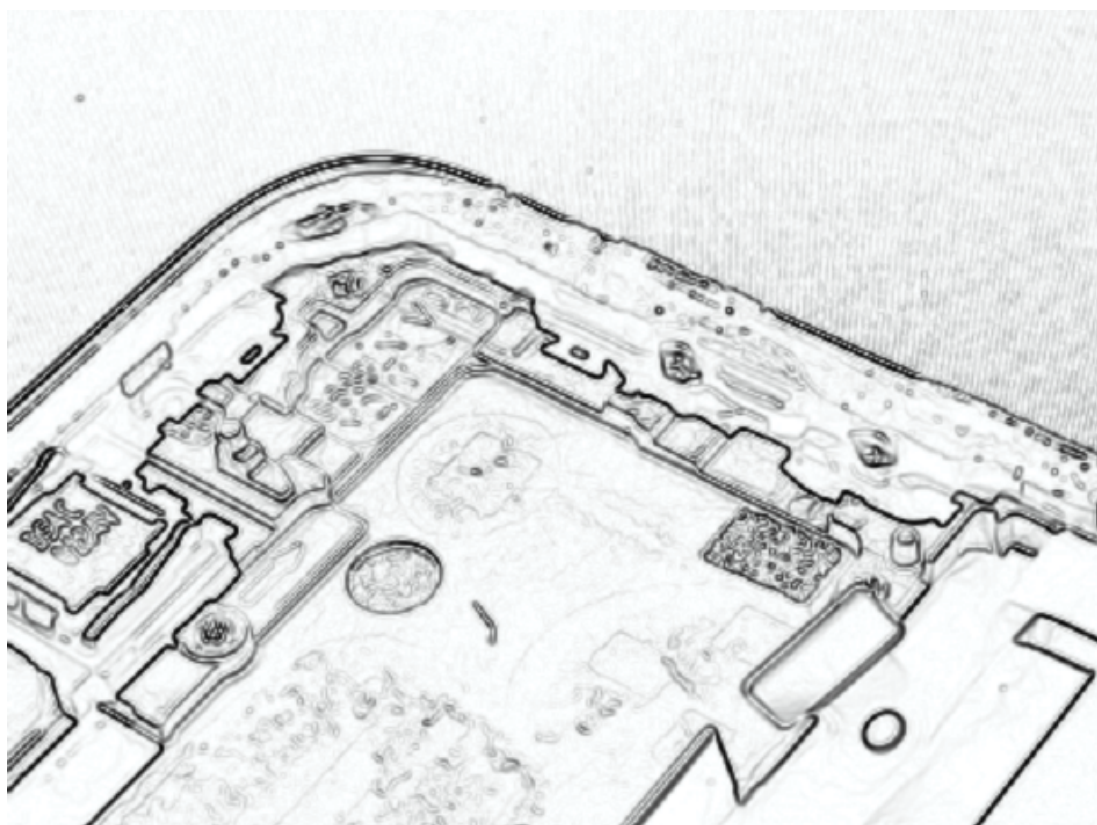
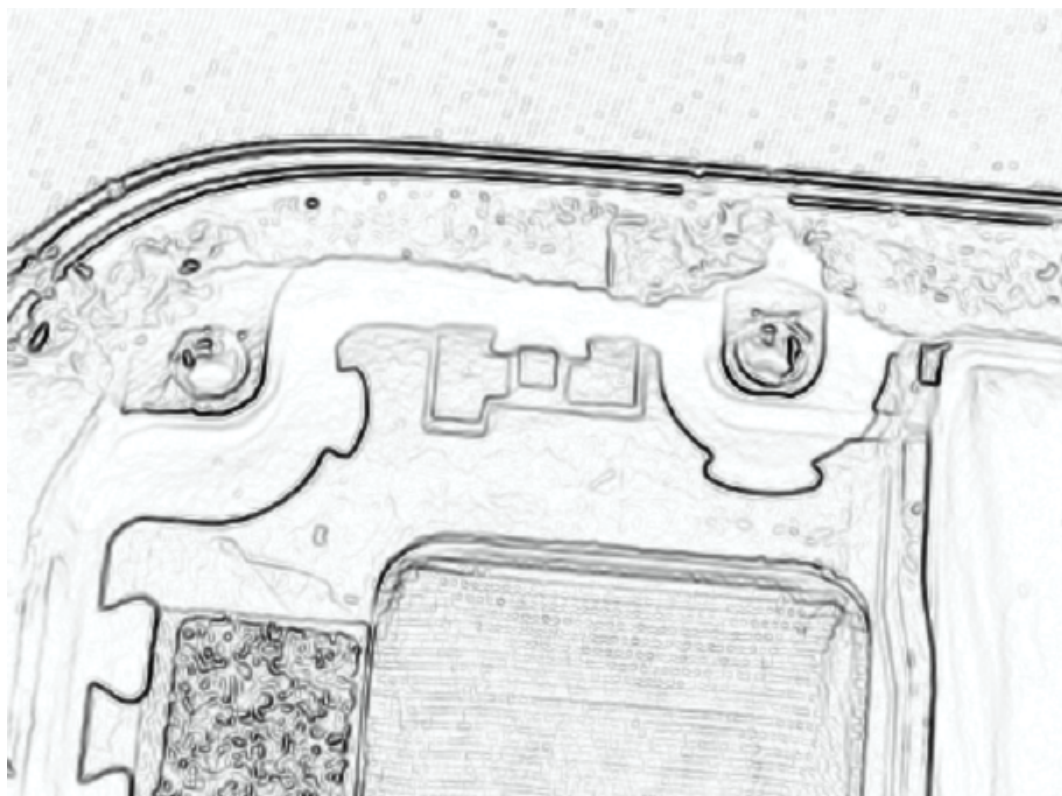
LTE B7/B38/B41 Phi=0deg

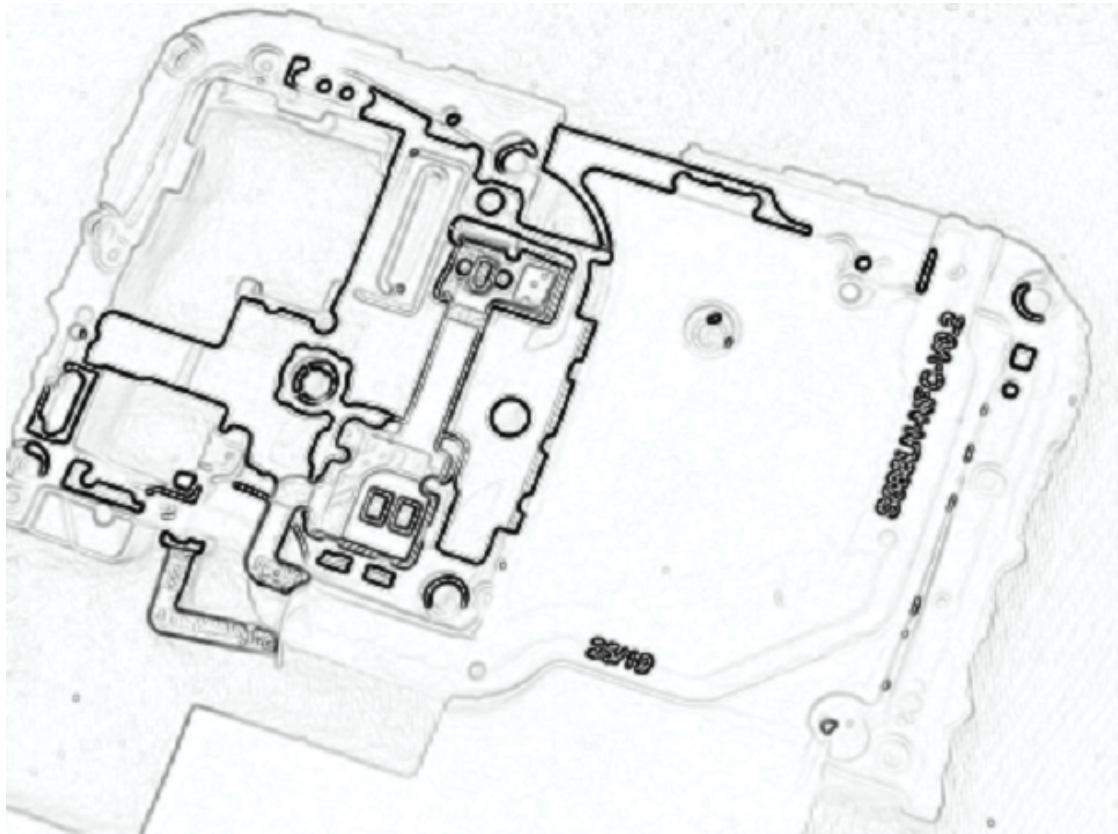
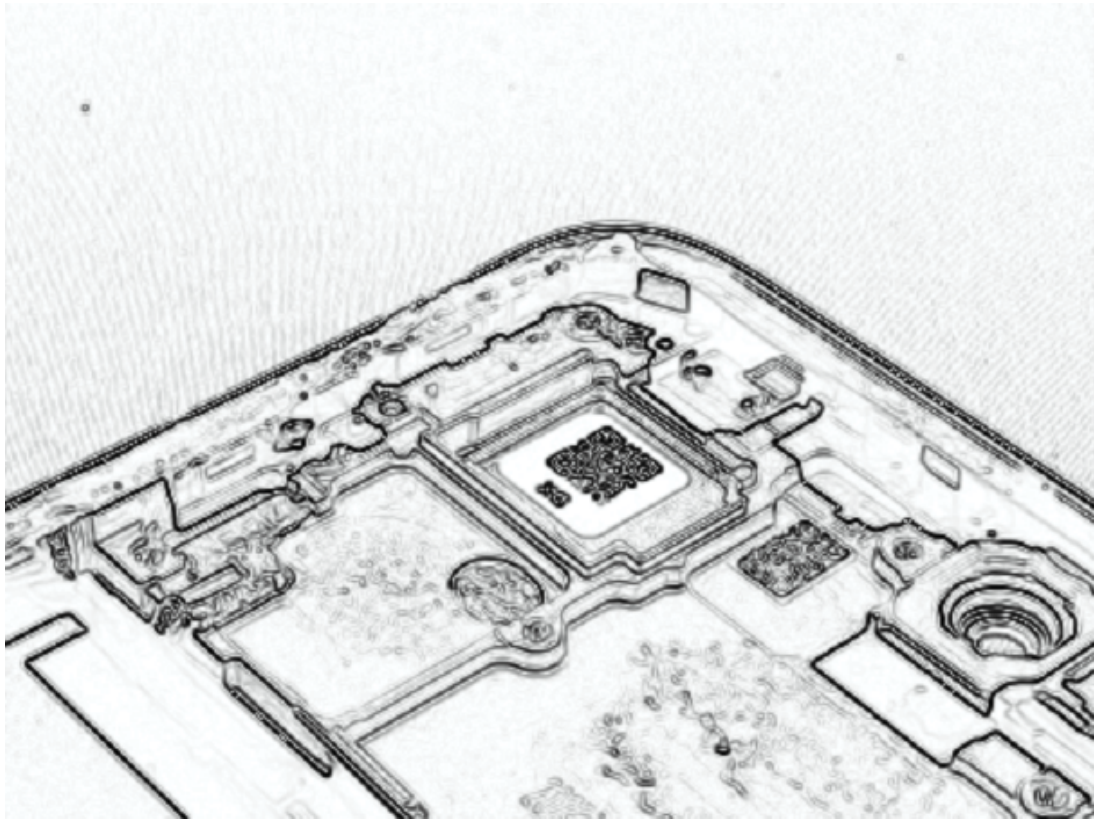


LTE B7/B38/B41 Phi=90deg



LTE B7/B38/B41 Theta=90deg





PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2025/05/14