

Shenzhen cape deep communication technology co., LTD

BL2801 antenna specification

Brief description of the project

Machine type	Cell phone		
		Frequency band information	Match change
Antenna information	Main/AUX	GSM850/PCS 1900 WCDMA Band 2/5 LTE-FDD- B2/4/5/12/13/17/26/66/71 TDD-B41	
	BT&BLE	BT&BLE	

Skyline test data

		1#						1#			
Frequency band	Channel	TRP	TIS			Frequency band	Channel	TRP	TIS		
GSM 850	Low	27.1				WCDMA Band 2	Low	16.2			
	Mid	27.3					Mid	16.4			
	Hig	27.6	-101.0				Hig	16.5	-104.3		
PCS 1900	Low	23.4				WCDMA Band 5	Low	18.2			
	Mid	24.6					Mid	18.5			
	Hig	24.3	-102.0				Hig	18.7	-103.8		

Skyline test data

		1#						1#			
Frequency band	Channel	TRP	TIS			Frequency band	Channel	TRP	TIS		
LTE B2	Low	16.1				LTE B13	Low	16.3			
	Mid	16.2					Mid	16.4			
	Hig	16.3	-92.1				Hig	16.5	-92.8		
LTE B4	Low	16.4				LTE B17	Low	17.5			
	Mid	16.2					Mid	18.0			
	Hig	16.1	-93.1				Hig	18.2	-92.7		
LTE B5	Low	18.4				LTE B26	Low	17.9			
	Mid	18.7					Mid	18.3			
	Hig	18.8	-92.8				Hig	18.5	-93.1		
LTE B12	Low	17.3				LTE B66	Low	16.4			
	Mid	17.7					Mid	16.1			
	Hig	17.9	-92.6				Hig	15.9	-92.0		

Skyline test data

		1#						1#			
Frequency band	Channel	TRP	TIS			Frequency band	Channel	TRP	TIS		
LTE B71	Low	16.2									
	Mid	16.5									
	Hig	17.0	-90.1								
TDD B41	Low	17.2									
	Mid	17.0									
	Hig	16.8	-88.4								

Antenna gain

	GSM 850	PCS 1900	WCDMA Band 2	WCDMA Band 5	
Max Gain (dBi)	-3.1	-2.7	-2.7	-3.1	
	LTE-B2	LTE-B4	LTE-B5	LTE-B12	LTE-B13
Max Gain (dBi)	-2.7	-1.1	-3.1	-2.3	-3.1
	LTE-B17	LTE-B26	LTE-B41	LTE-B66	LTE-B71
Max Gain (dBi)	-2.3	-3.1	-2.2	-1.1	-3.1
	BT&BLE				
Max Gain (dBi)	2.5				

Frequency Range

GSM 850: 824-849MHz(TX); 869-894MHz(RX)

PCS 1900: 1850-1910MHz(TX); 1930-1990MHz(RX)

WCDMA Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX)

WCDMA Band 5: 824-849MHz(TX); 869-894MHz(RX)

LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX)

LTE Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX)

LTE Band 5: 824-849MHz(TX); 869-894MHz(RX)

LTE Band 12: 699-716MHz(TX); 729-746MHz(RX)

LTE Band 13: 777-787MHz (TX), 746-756MHz (RX)

LTE Band 17: 704-716MHz(TX); 734-746MHz(RX)

LTE Band 26(Part 22H): 824-849MHz(TX); 869-894MHz(RX)

LTE Band 26(Part 90): 814-824MHz(TX); 859-869MHz(RX)

LTE Band 41: 2535-2655MHz(TX/RX)

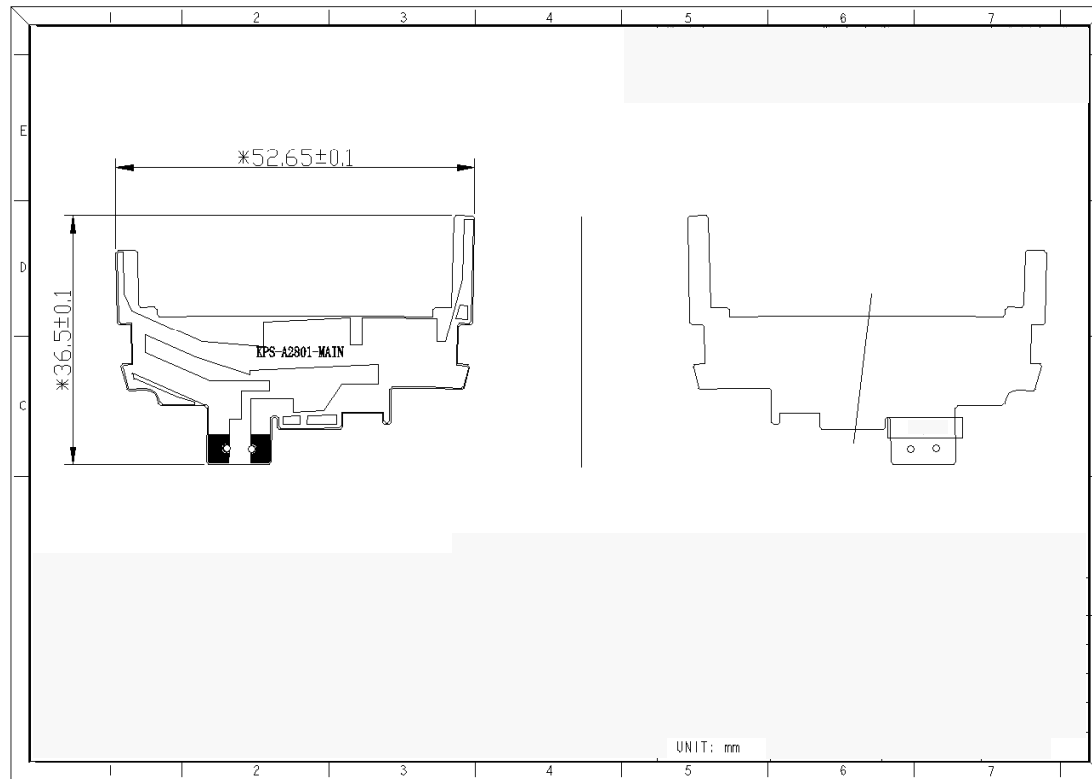
LTE Band 66: 1710-1780MHz(TX); 2110-2200MHz(RX)

LTE Band 71: 663-698MHz(TX); 617-652MHz(RX)

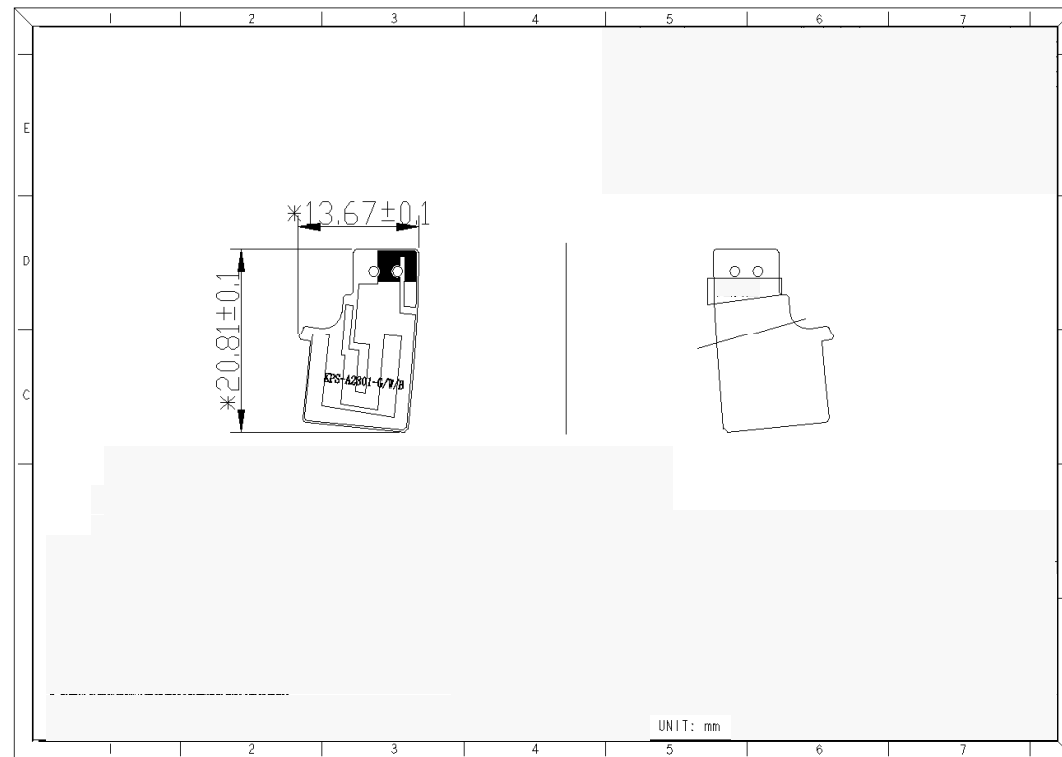
BT: 2402-2480MHz(TX/RX)

BLE: 2402-2480MHz(TX/RX)

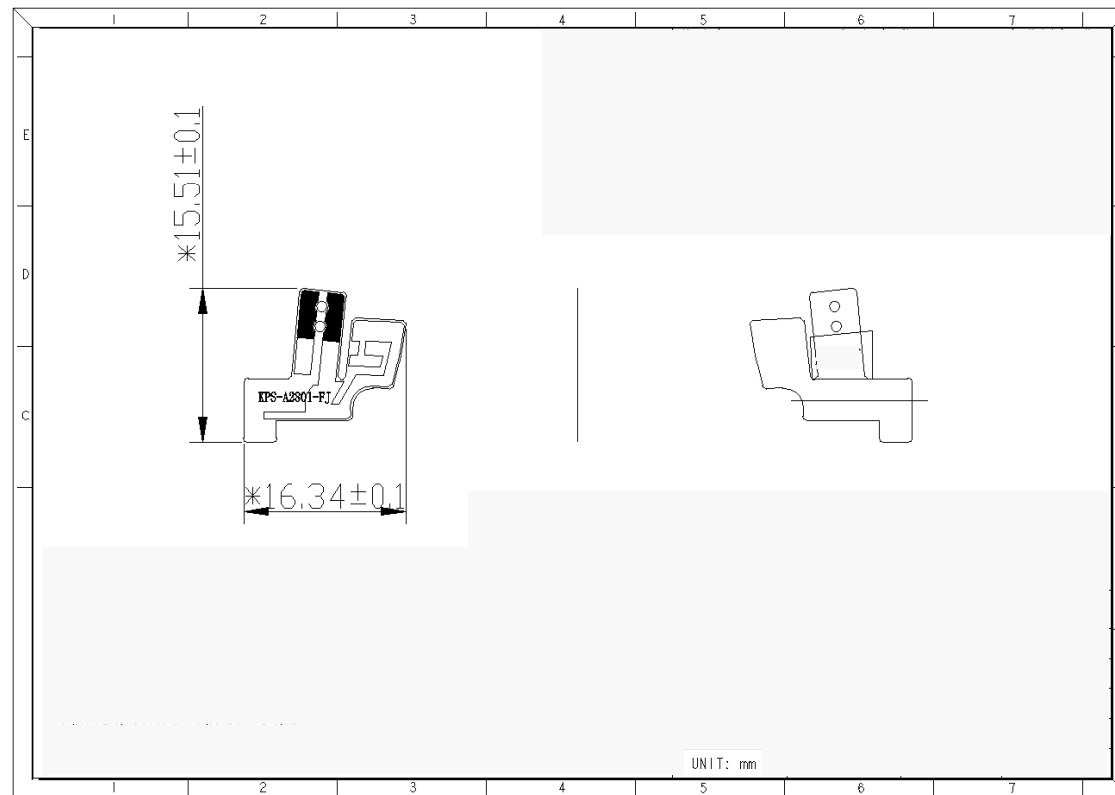
Antenna picture



Antenna picture



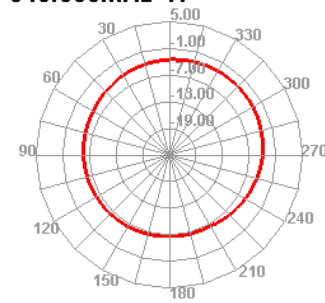
Antenna picture



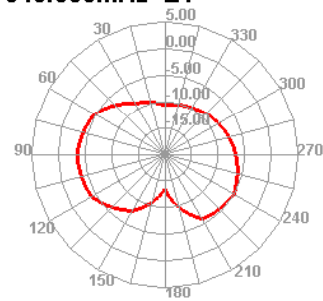
Passive Antenna Apple Diagram

Gain: -3.1 dBi

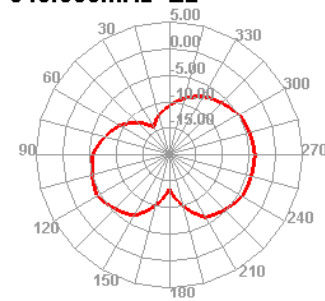
840.000MHz H



840.000MHz E1

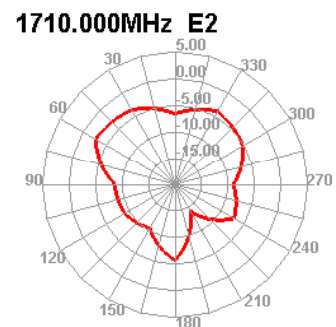
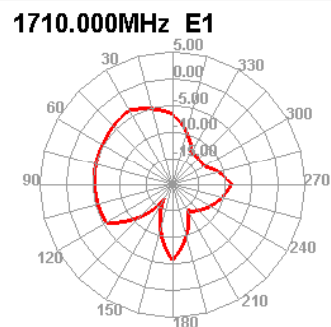
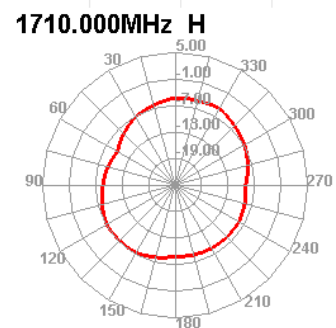


840.000MHz E2



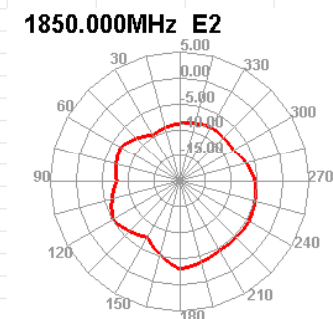
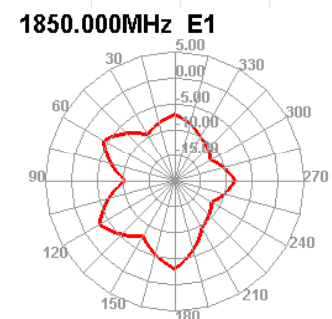
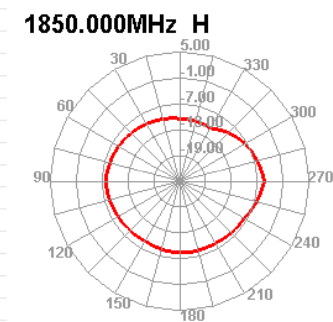
GSM850/WCDMA B5/LTE B5/LTE B26

Gain: -1.1dBi



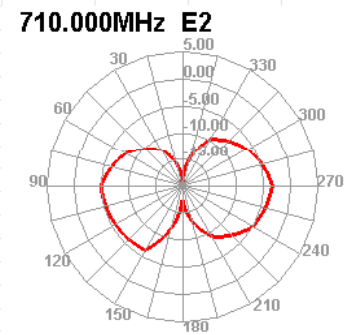
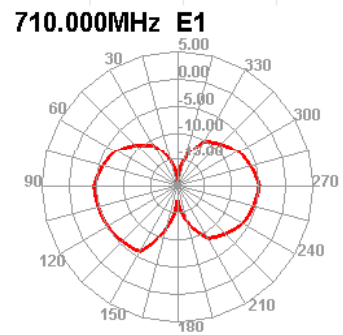
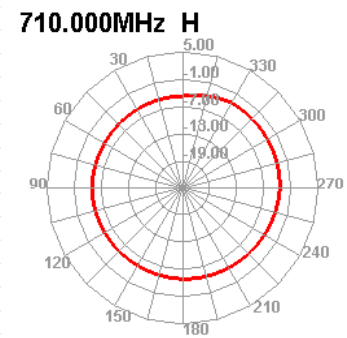
LTE B4/LTE B66

Gain: -2.7 dBi



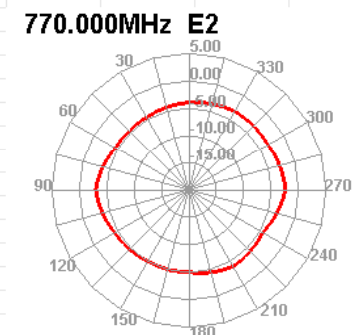
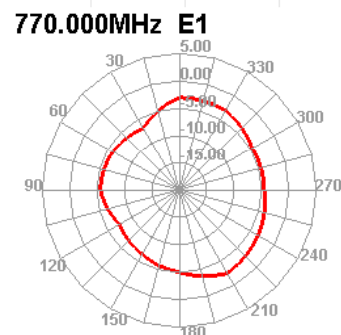
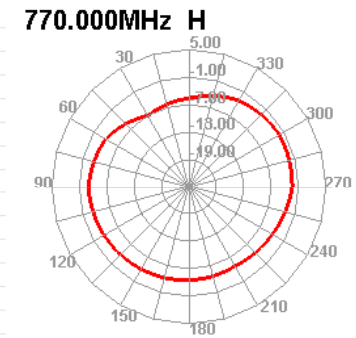
PCS1900/WCDMA B2/LTE B2

Gain: -2.3 dBi



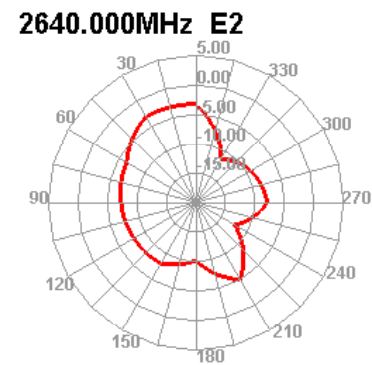
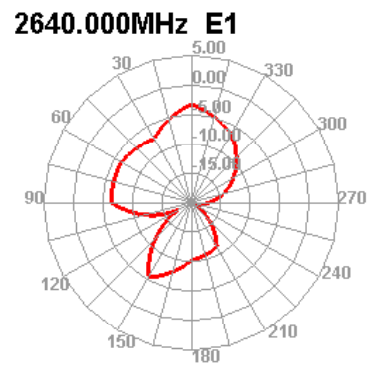
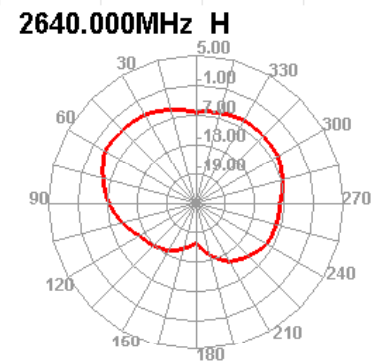
LTE B12/LTE B17

Gain: -3.1 dBi



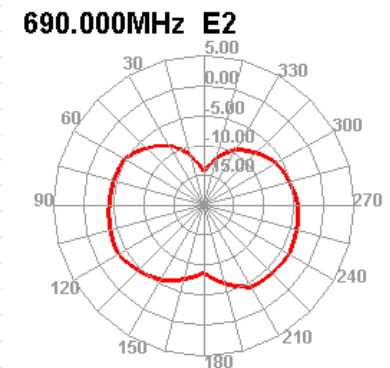
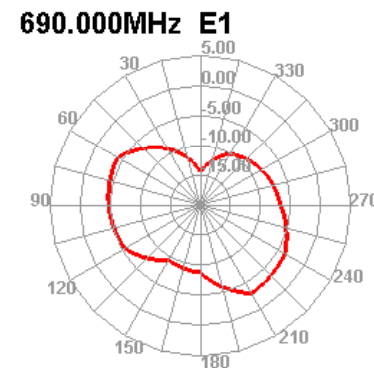
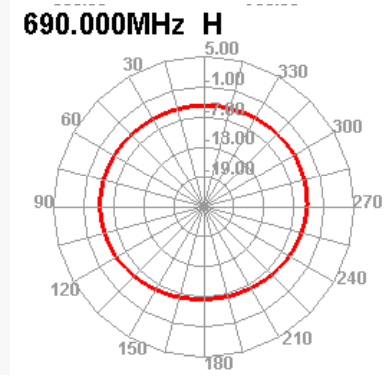
LTE B13

Gain: -2.2 dBi



LTE B41

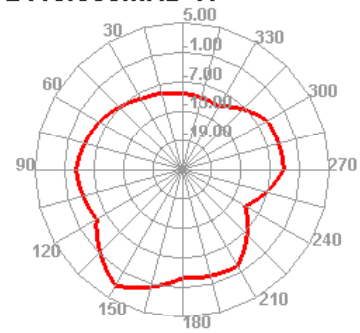
Gain: -3.1 dBi



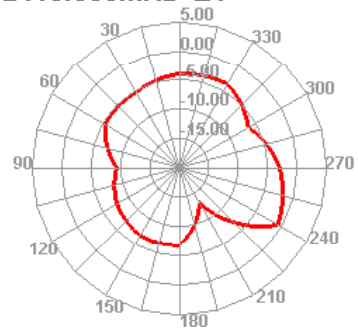
LTE B71

Gain: 2.5 dBi

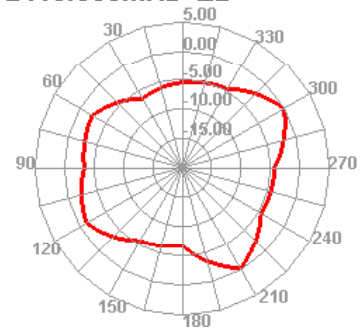
2410.000MHz H



2410.000MHz E1



2410.000MHz E2



BT&BLE

THE END

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