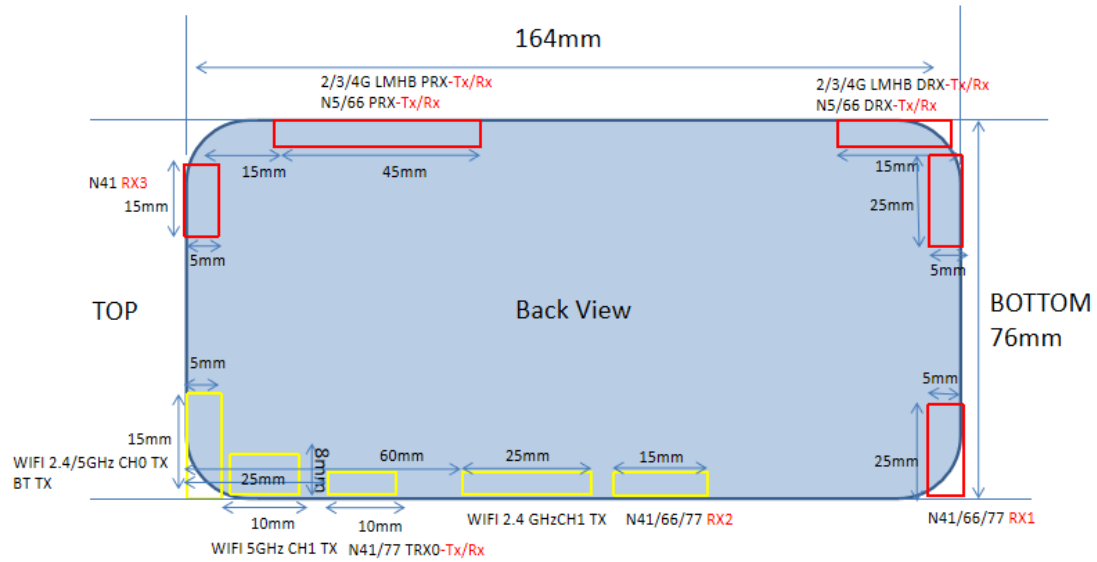


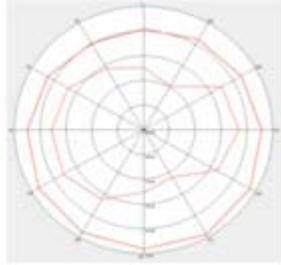
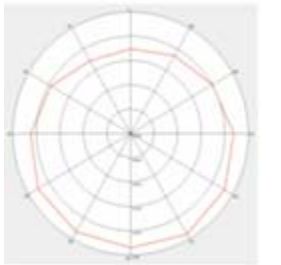
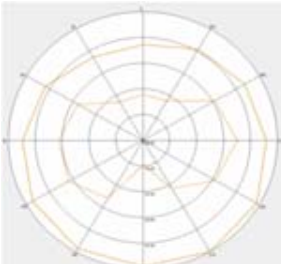
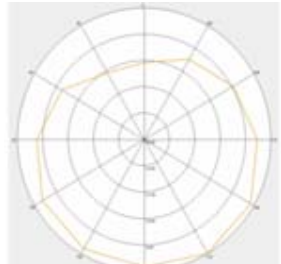
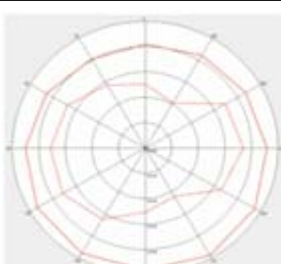
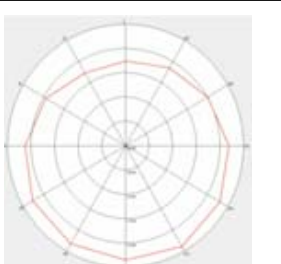

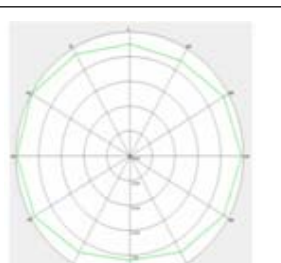

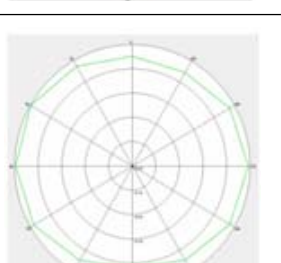
Shenzhen Tengfei Technology Management Ltd.

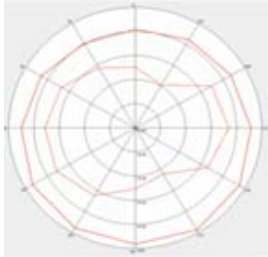
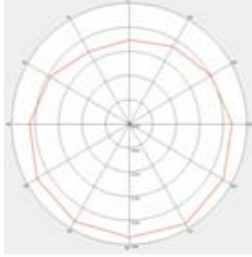
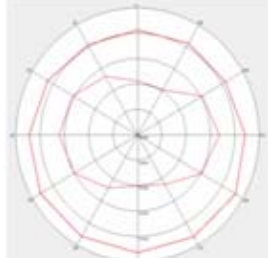
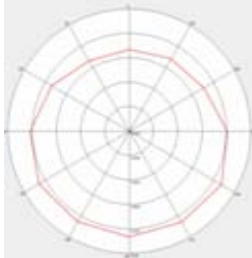
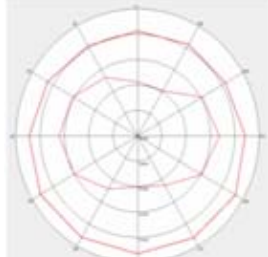
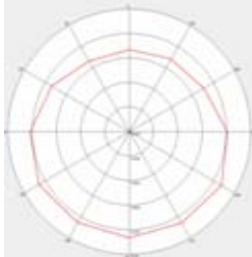

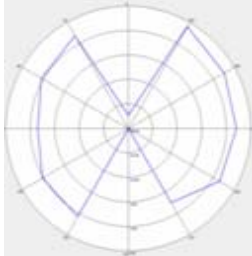
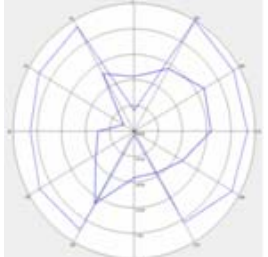

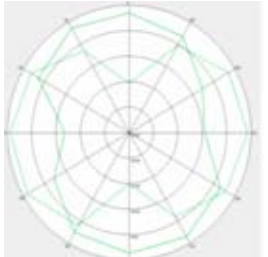
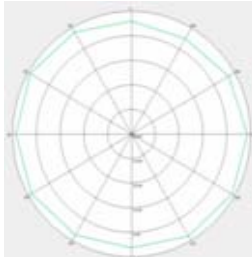
Antenna parameter sheet for NX729J

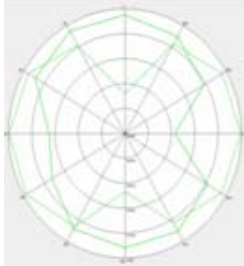
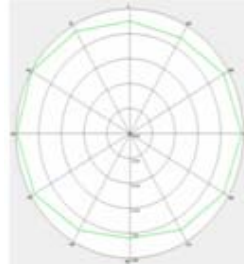
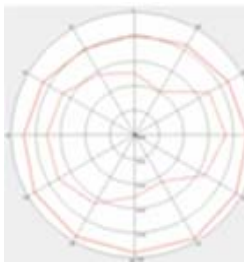
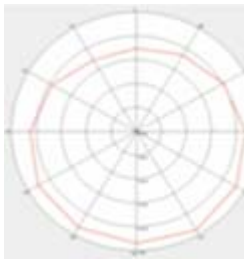
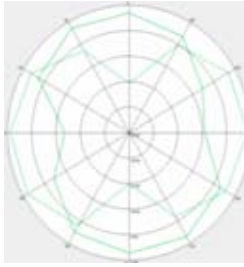
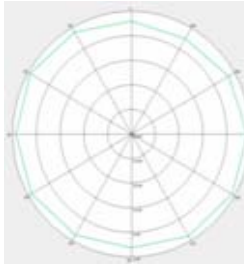
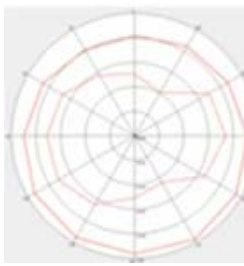
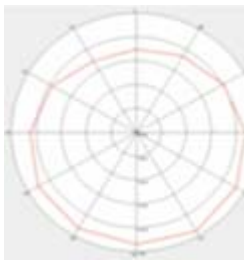
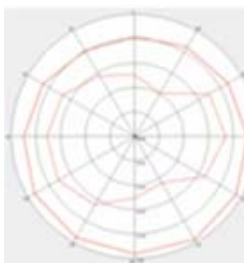
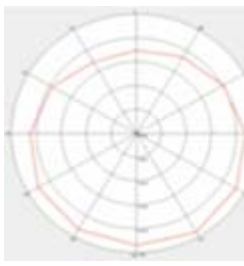
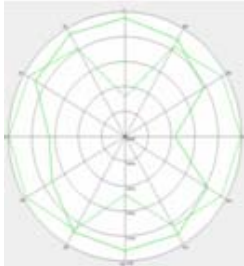
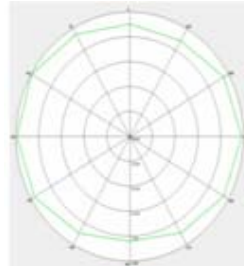
	Main antenna	Diversity antenna	GPS/WIFI/BT antenna	NR antenna
Antenna type	Internal PIFA	Internal PIFA	Internal PIFA	Internal PIFA
Model	NX729J_main antenna	NX729J_Diversity antenna	NX729J_GPS/WIFI/BT antenna	NX729J_NR antenna
Antenna manufacturer	Shenzhen Zhongtian Xun Communication Technology Shares Co., Ltd.			
Antenna position	up	bottom	up	up

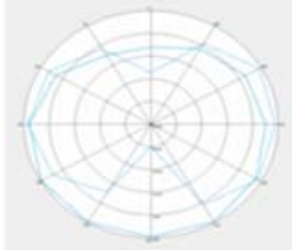
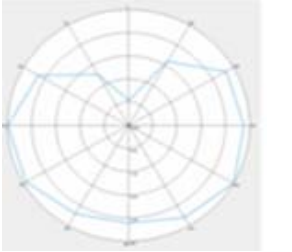
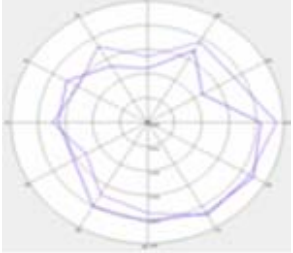



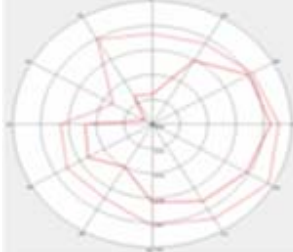
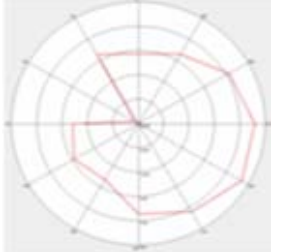
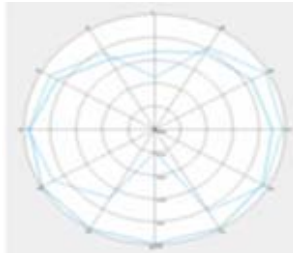
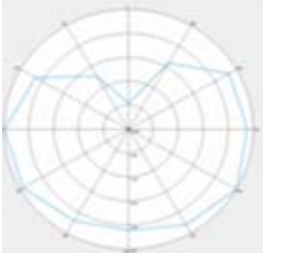

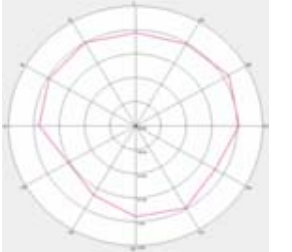




Radiated pattern diagram

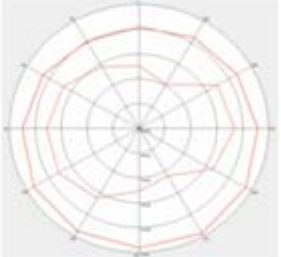
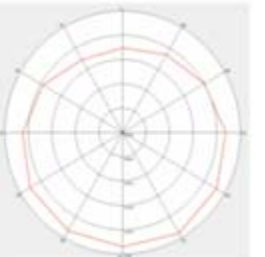
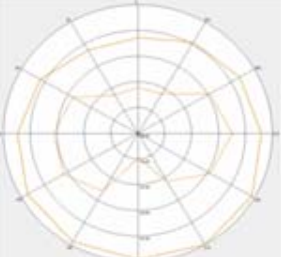
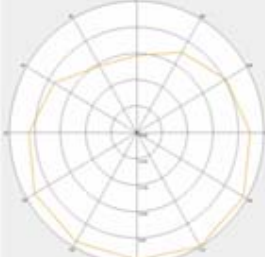
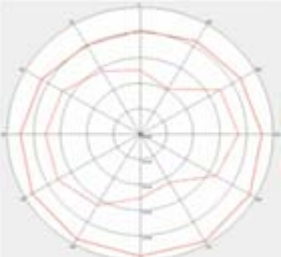
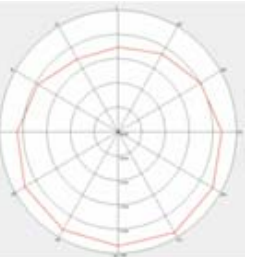
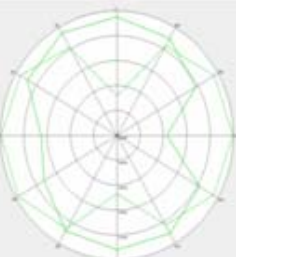
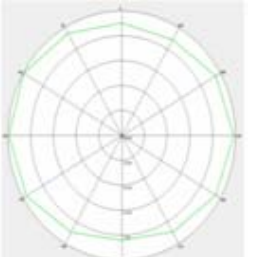
Antenna	PIFA Antenna (Main antenna)		
Band	Radiated pattern diagram		Gain data (dBi)
	H\V	H+V	
LTE B19 (834MHz)			-3.4
LTE B5 (840MHz)			-3.4
LTE B26 (831MHz)			-3.4
LTE B4 (1740MHz)			-1.5
LTE B2 (1850MHz)			-1.5

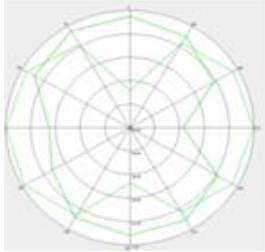
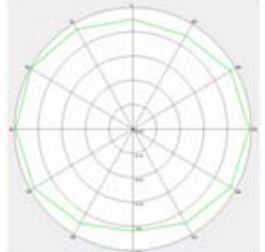
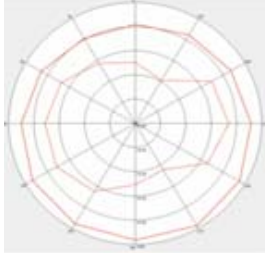
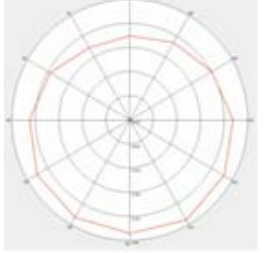
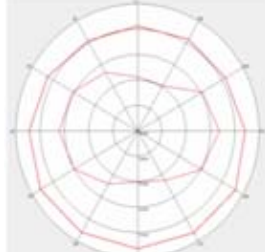
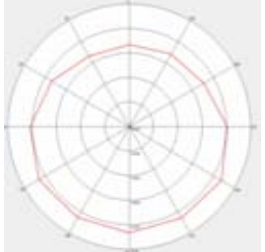
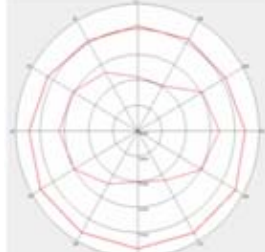
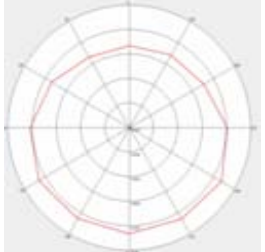

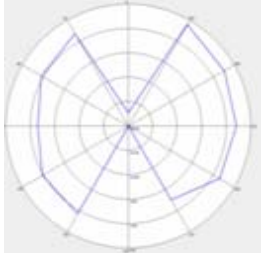
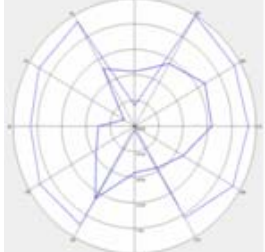
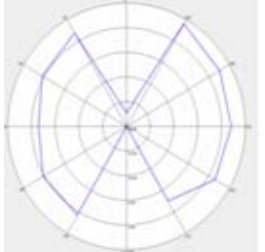
<p>LTE B18 (830MHz)</p>			<p>-3.4</p>
<p>LTE B17 (710MHz)</p>			<p>-4.7</p>
<p>LTE B12 (710MHz)</p>			<p>-4.7</p>
<p>LTE B66 (1740MHz)</p>			<p>-1.5</p>
<p>LTE B7 (2500MHz)</p>			<p>-1.5</p>
<p>WCDMA B2 (1850MHz)</p>			<p>-1.5</p>

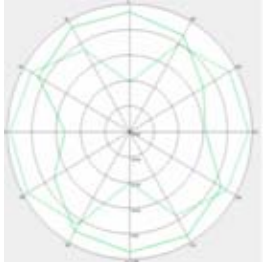
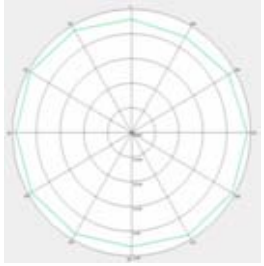
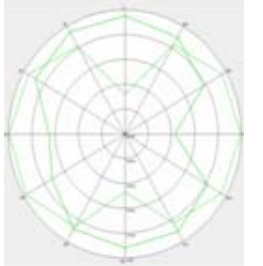
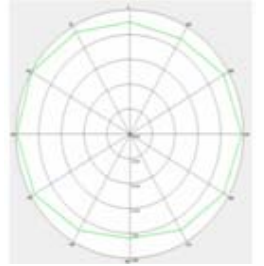
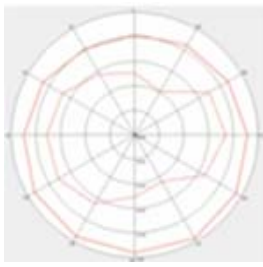
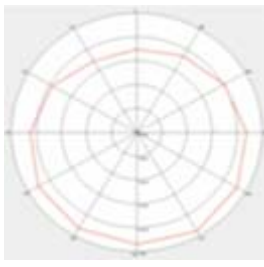
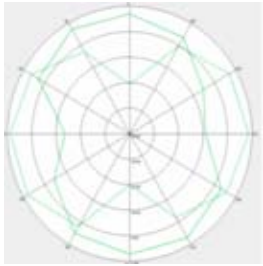
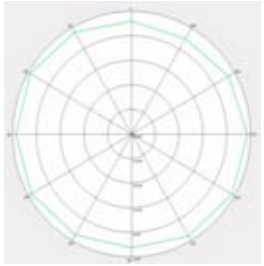
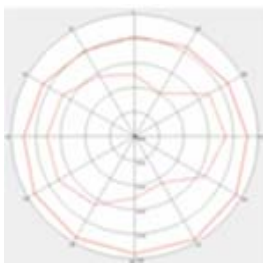
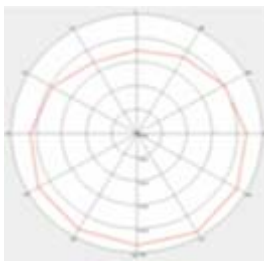
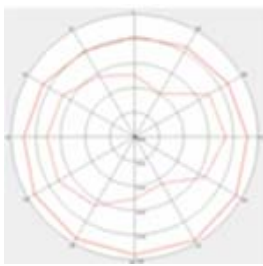
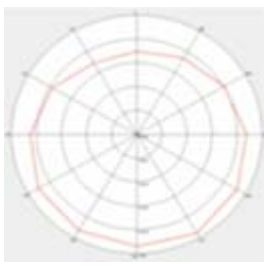
<p>WCDMA B4 (1740MHz)</p>			<p>-1.5</p>
<p>WCDMA B5 (835MHz)</p>			<p>-3.4</p>
<p>GSM B2 (1850MHz)</p>			<p>-1.5</p>
<p>GSM B5 (835MHz)</p>			<p>-3.4</p>
<p>CDMA BC0 (835MHz)</p>			<p>-3.4</p>
<p>CDMA BC1 (1850MHz)</p>			<p>-1.5</p>

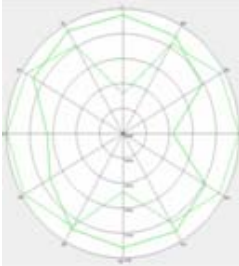
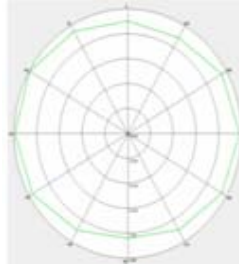
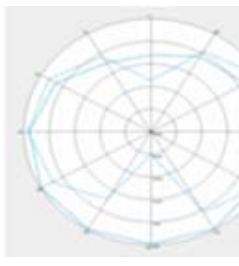
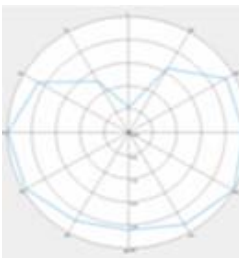
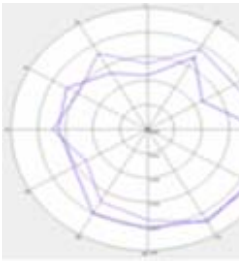
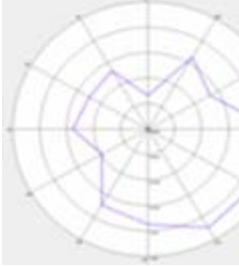
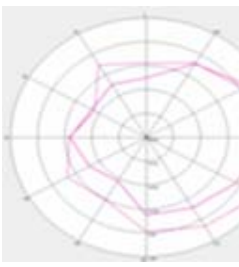

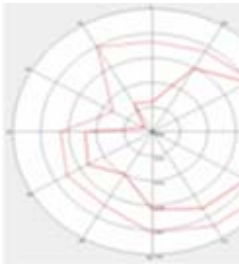
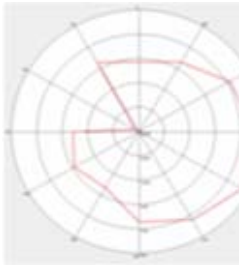
<p>WIFI 2.4G 11g (2420MHz) CHO</p>			<p>0.7</p>
<p>WIFI 5G 11a (5150MHz) CHO</p>			<p>-0.2</p>
<p>WIFI 5G 11a (5500MHz) CHO</p>			<p>-0.5</p>
<p>WIFI 5G 11a (5850MHz) CHO</p>			<p>-2</p>
<p>BT(2425MHz)</p>			<p>0.7</p>
<p>N66(1750MHz)</p>			<p>-0.5</p>

N41(2600MHz)			-1
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Antenna	PIFA Antenna (Diversity antenna)		
Band	Radiated pattern diagram		Gain data (dBi)
	H\V	H+V	
LTE B19 (834MHz)			-4.5
LTE B5 (840MHz)			-4.5
LTE B26 (831MHz)			-4.5
LTE B4 (1740MHz)			-3

<p>LTE B2 (1850MHz)</p>			<p>-3</p>
<p>LTE B18 (830MHz)</p>			<p>-4.5</p>
<p>LTE B17 (710MHz)</p>			<p>-4.9</p>
<p>LTE B12 (710MHz)</p>			<p>-4.9</p>
<p>LTE B66 (1740MHz)</p>			<p>-3</p>
<p>LTE B7 (2500MHz)</p>			<p>-2.2</p>

<p>WCDMA B2 (1850MHz)</p>			<p>-3</p>
<p>WCDMA B4 (1740MHz)</p>			<p>-3</p>
<p>WCDMA B5 (835MHz)</p>			<p>-4.5</p>
<p>GSM B2 (1850MHz)</p>			<p>-3</p>
<p>GSM B5 (835MHz)</p>			<p>-4.5</p>
<p>CDMA BC0 (835MHz)</p>			<p>-4.5</p>

<p>CDMA BC1 (1850MHz)</p>			<p>-3</p>
<p>WIFI 2.4G 11g (2420MHz) CH1</p>			<p>-0.5</p>
<p>WIFI 5G 11a (5150MHz) CH1</p>			<p>-0.8</p>
<p>WIFI 5G 11a (5500MHz) CH1</p>			<p>-1</p>
<p>WIFI 5G 11a (5850MHz) CH1</p>			<p>-0.5</p>

VSWR&Gain

Main antenna								
Freq(MHz)	703	824	960	1710	1990	2170	2500	2690
VSWR	3.5	3	3.2	1.5	1.2	2.4	1.8	2.3
Gain(dBi)	-4.7	-3.4	-3.6	-1.5	-1.3	-2	-1.5	-2.07
Diversity antenna								
Freq(MHz)	703	824	960	1710	1990	2170	2500	2690
VSWR	6	3.4	3.8	2.1	1.8	2	1.5	1.9
Gain(dBi)	-4.9	-4.5	-5	-3	-2.1	-2.1	-2.2	-2.2
GPS/WIFI CH0/BT antenna								
Freq(MHz)	1571	2400	2500	5200	5500	5800		
VSWR (MHz)	2	2.1	2.1	3	2.1	4		
Gain(dBi)	-1	0.7	0.7	-0.2	-0.5	-2		
WIFI CH1 antenna								
Freq(MHz)		2400	2500	5200	5500	5800		
VSWR (MHz)		2.6	2.6	2.8	3	2.5		
Gain(dBi)		-0.5	-0.5	-0.8	-1	-0.5		
NR antenna								
Freq(MHz)	1700	2500	2700					
VSWR (MHz)	2.6	2.4	2.6					
Gain(dBi)	-0.5	-0.5	-1					

TRP&TIS (Free Space)

Band	WCDMA B2			WCDMA B4			WCDMA B5		
TRP(dBm)	18.02	18.08	18.18	17.83	17.87	17.87	16.16	16.19	16.57
TIS(dBm)	-107.7	-107.8	-107	-106.8	-106.5	-106.7	-104.6	-104.2	-103.7
Band	LTE B7			LTE B4			LTE B2		
TRP(dBm)	17.80	18.11	18.48	18.55	18.42	18.61	18.24	18.15	17.87
TIS(dBm)	-90.3	-90.8	-91.2	-96.7	-96.8	-96.7	-95.8	-95.6	-95.9
Band	LTE B5			LTE B18			LTE B19		
TRP(dBm)	16.38	16.39	16.22	15.66	15.86	16	16.43	16.75	16.78
TIS(dBm)	-91.09	-91.21	-91.24	-91.05	-91.27	-90.8	-89.94	-90.5	-90.6
Band	LTE B26			LTE B12			LTE B66		
TRP(dBm)	15.47	16.06	16.5	16.95	16.88	16.82	17.84	17.63	17.81
TIS(dBm)	-93.24	-94.25	-93.33	-90.20	-90.03	-90.41	-96.3	-96.29	-96.38
Band	LTE B17			NR 66			NR 41		
TRP(dBm)	16.46	16.49	16.31	18.84	18.63	18.81	18.42	18.05	17.04
TIS(dBm)	-90.72	-92.1	-91.14	-86.38	-86.9	-86.3	-86.67	-86.39	-86.33
Band	GSM B2			GSM B5			CDMA BC0		
TRP(dBm)	24.5	24.9	25.1	25.4	25.4	25.2	17.3	17.2	17.4
TIS(dBm)	-105.7	-105.6	-105.2	-102.2	-102.4	-102	-102.3	-102.7	-102
Band	CDMA BC1								
TRP(dBm)	25.3	25.4	25.4						
TIS(dBm)	-105.6	105.47	105.38						

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Position: Regulatory Compliance Engineer