



Antenna test data report

GSM	Channel	TRP (dBm)	TIS (dBm)
GSM 850	L	28.4	
	M	28.5	
	H	28.8	-102.1
EGSM900	L	29.0	
	M	29.3	
	H	29.5	-102.0
DCS1800	L	24.1	
	M	25.4	
	H	26.5	-104.2
PCS1900	L	26.5	
	M	26.7	
	H	26.8	-104.6

WCDMA	Channel	TRP (dBm)	TIS (dBm)
WCDMA1900	L	20.4	
	M	20.6	
	H	20.8	-106.8
WCDMA1700	L	18.3	
	M	18.6	
	H	19.4	-107.7
WCDMA850	L	19.2	
	M	19.3	
	H	19.5	-102.5

LTE-FDD	Channel	TRP (dBm)	TIS (dBm)
Band 2	L	20.3	
	M	20.6	
	H	20.7	-93.3
Band 4	L	18.3	
	M	18.8	
	H	19.5	-93.6
Band 5	L	20.3	
	M	20.4	
	H	20.6	-91.2
Band 7	L	18.0	
	M	18.6	
	H	17.0	-93.5

Antenna radiation test data

LTE-FDD	Channel	TRP (dBm)	TIS (dBm)
Band 17	L	18.3	
	M	18.3	
	H	18.2	
Band 28A	L	17.5	
	M	18.5	
	H	18.3	-89.0
Band 28B	L	18.7	
	M	19.0	
	H	19.6	-90.9

Main antenna and Bluetooth antenna gain

2G Gain(dbi)	850	900	1800	1900	
	-1.13	-0.82	0.36	0.44	
3G Gain(dbi)	B2	B4	B5		
	0.44	0.32	-1.13		
4G Gain(dbi)	B2	B4	B5		
	0.44	0.32	-1.13		
	B7	B17	B28AB		
	0.61	-1.36	-1.34		

BT Gain(dbi)	BT
	0.65



Environment treatment as shown in the picture: stick a large conductive cloth behind the screen and ensure sufficient grounding with the motherboard .