



Percsson Communication Equipment Co., Ltd

Admit Antenna Contract

Customer name: ZTE

Customer project: ZTE WP658

Customer part number: 0301000-000191

Frequency band: GSM850/PCS

Model: HM-G2-TLT-B

Manufacturer: Percsson Communication Equipment Co., Ltd

Contract Date: 2012-8-10

The manufacturer column :

maker	verifier	approver

The customer column:

confirmor	verifier	approver

1. Product specifications

Antenna Model	HM-G2-TLT-B
Main Electrical Specifications	
Frequency Rang (MHz)	824/896/1850/1990MHz
VSWR	824≤3.0; 896≤2.5; 1850≤3.5; 1990≤4.5
Impedance (Ω)	50Ω
Polarization	Vertical Polarization
Main Structure Specifications	
Length	220MM
Connector Type	TNC
Color	black

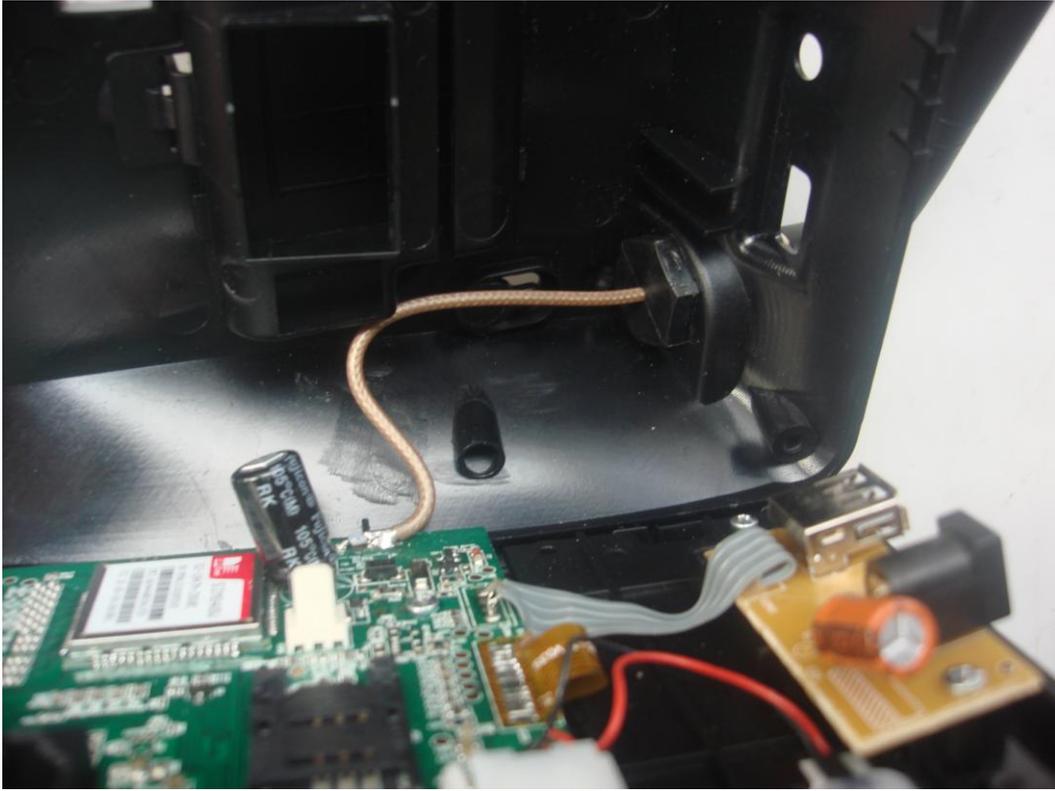
2. Telephone Picture



3. Antenna appearance picture

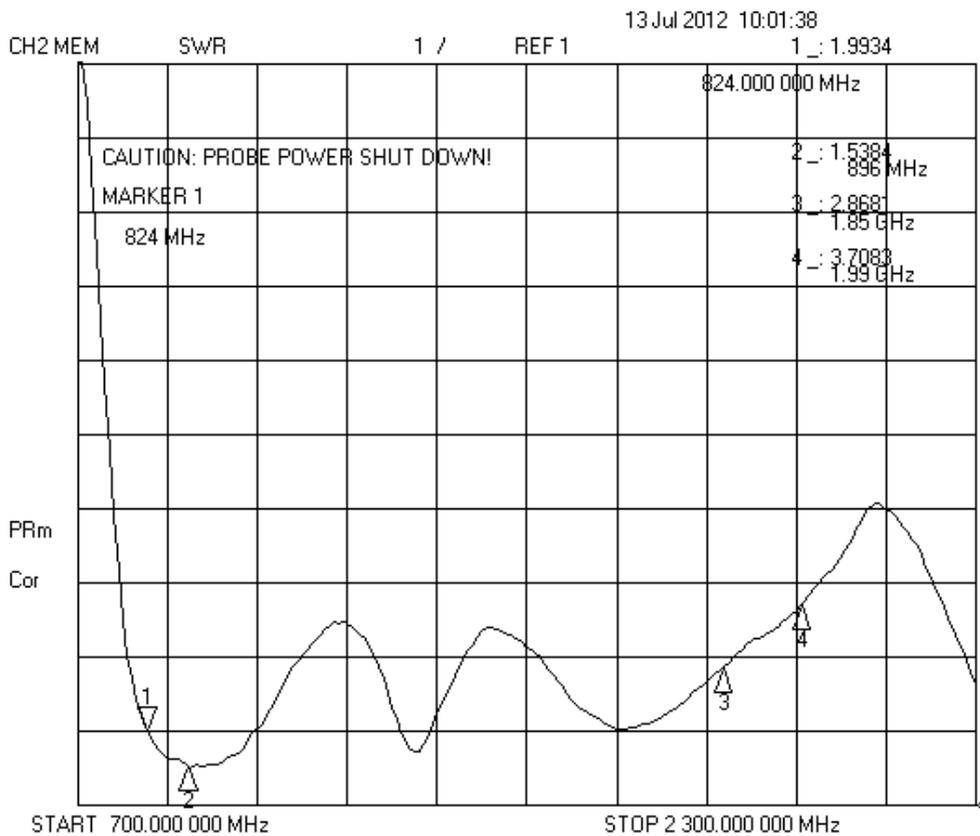


4. Antenna assembe picture



5. Electrical performance report

5.1 VSWR



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5.2. TRP and TIS test results

5.2.1. GSM850 TRP

Test Result	GSM850 TRP		
	128	190	251
Frequency (MHz)	824.2	836.6	848.8
TRP (dBm)	30.39	30.41	30.36
NHPRP (dBm)	25.9	27.19	27.16
MAX (dBm)	31.53	33.35	32.87
Min (dBm)	12.98	14.33	16.47

5.2.2. GSM850 TIS

Test Result	GSM850 TIS		
	128	190	251
Frequency (MHz)	869.2	881.6	893.8
TIS (dBm)	-108.18	-107.82	-107.87
NHPIS (dBm)	-105.15	-105.65	-104.15
RSSIAve	38.68	40.02	38.57
MaxPosRSSI	39.74	41.72	39.79
MaxPosSens	-109.24	-110.52	-108.79
MAX (dBm)	-110.63	-111.96	-110.84
Min (dBm)	-92.53	-91.83	-92.76

5.2.3. PCS TRP Result

Test Result	PCS TRP		
	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
TRP (dBm)	28.89	28.66	28.55
NHPRP (dBm)	25.85	25.02	23.93
MAX (dBm)	35.79	35.49	34.8
Min (dBm)	16.63	-39.39	15.26

5.2.4. PCS TIS Result

Test Result	PCS TIS		
	512	661	810
Frequency (MHz)	1930.2	1960	1989.8
TIS (dBm)	-107.5	-107.34	-107.56
NHPIS (dBm)	-101.88	-102.25	-102.66
RSSIAve	39.1	38.54	39.16
MaxPosRSSI	45.83	44.48	45.4
MaxPosSens	-112.73	-112.28	-112.8
MAX (dBm)	-112.79	-112.99	-113.38
Min (dBm)	-93.06	-91.36	-91.82

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6. Engineering drawings

A		B		C		D	
sign	change date	change order	modifier	note			
△							
△							
△							

Note:
Antenna color black

folding head printed words:
Front
Reverse

SCALE:5/1
DETAIL: A

SCALE:5/1
DETAIL: B

Note:
1 The connector shell is kirsite for black coating.
2 The material of connector is kirsite for nickeling.

	Designer:		PERCSSION COMMUNICATION EQUIPMENT CO.,LTD	
	Verifier:			
No mark tolerance		Name of commodity: Rubber set of antenna		
standard tolerance	0~5	±0.5	Model: HM-G2-TLT-B	
	5~10	±1.0		
	10~50	±2.0		
	50~	±5.0		
Aperture tolerance	±0.05		Customer: DESAY	
Angle tolerance	±0.5°			
	versions	unit	scale	size
		mm		A4
	one page in total		The first page	

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