



上海杰盛康通信工程有限公司

Shanghai Jesoncom Communication Engineering Co., Ltd

Confidential

Test Report

Shanghai Jesoncom Communication Engineering Co., Ltd

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Customer Name	Centerm
Test model	CTA K10
Test frequency	LTE/WCDMA/WIFI/BT/GPS
Test category	Free space coupling test
Testers	XHJ
Test time	2023.05.18
Testing environment	JESONCOM GTS
Report version	T: A

Active testing: LTE Antenna

FDD		<u>TRP</u>		<u>TIS</u>	
	Channel	Average value		Average value	
BAND2	650	19.57			
	900	19.44			
	1150	20.30		-97.39	
BAND4	2000	19.60			
	2350	18.74			
	1900	18.94		-96.78	
BAND5	2450	16.71			
	2525	16.33			
	2600	16.12		-92.34	
BAND7	2800	20.23			
	3100	19.91			
	3400	19.30		-95.96	
BAND12	5060	17.96			
	5090	18.51			
	5130	18.77		-92.19	
BAND13	5230	16.47		-90.13	
BAND14	5330	16.45		-89.47	
BAND17	5780	18.55			
	5790	18.71			
	5800	18.69		-90.18	
BAND25	8065	18.95			
	8365	18.86			
	8665	19.49		-96.22	

BAND26	8740	16.31			
	8865	16.49			
	8890	16.24		-94.45	
BAND66	66486	18.09			
	66786	17.51			
	67086	17.60		-96.31	
BAND71	68636	16.29			
	68761	17.24			
	68886	16.71		-89.52	

TDD		<u>TRP</u>		<u>TIS</u>	
	Channel	Average value		Average value	
BAND41	40340	17.85			
	40740	17.23			
	41140	17.26		-92.29	

WCDMA

WCDMA		<u>TRP</u>		<u>TIS</u>	
WCDMAB2	9262	20.04			
	9400	20.32			
	9538	20.53		-108.96	
WCDMAB4	1312	19.56			
	1413	19.02			
	1513	19.04		-109.02	
WCDMAB5	4132	17.19			
	4183	16.39			
	4233	16.10		-105.19	



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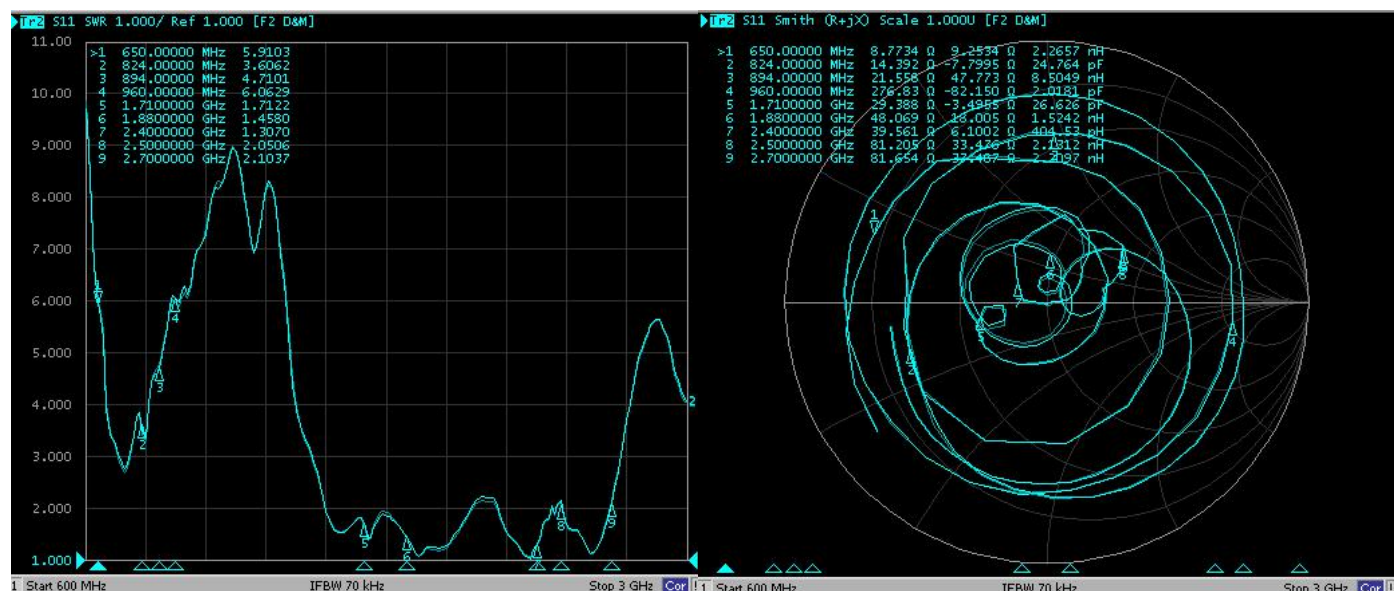
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WIFI Antenna

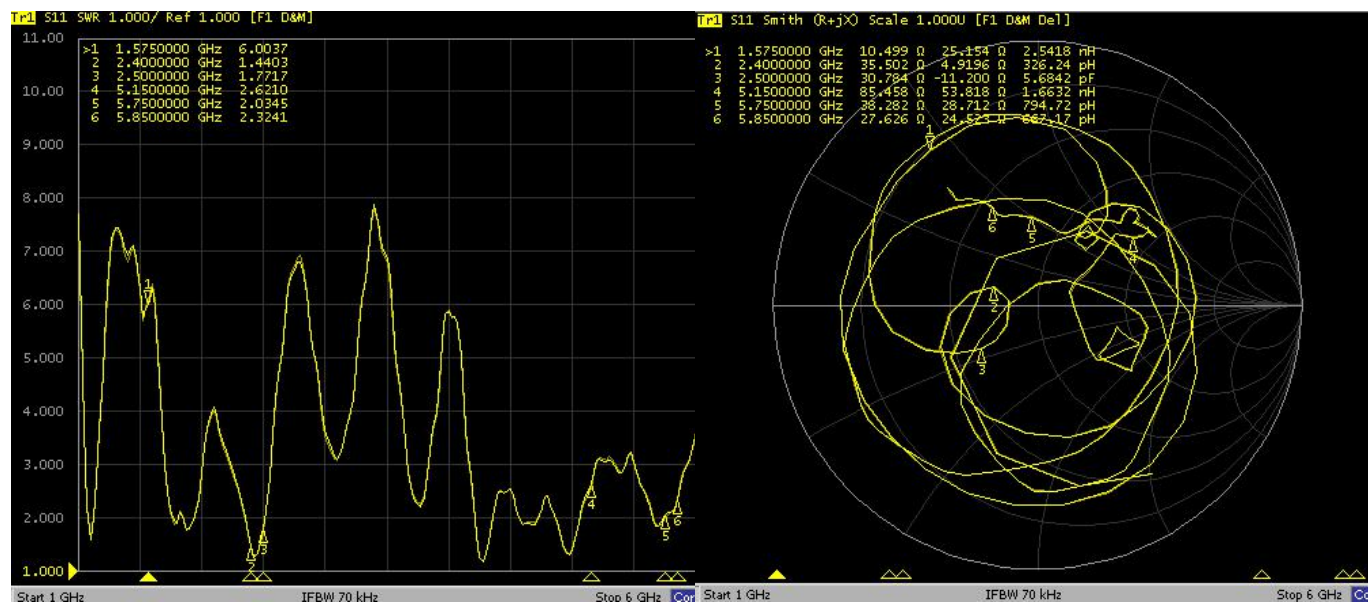
		TRP		TIS	
11B	1	13.56		-84.02	
	6	13.29		-84.04	
	11	13.24		-83.89	
11A	36	13.64		-71.21	
	64	13.27		-69.84	
	161	13.45		-70.23	

Passive Test: LTE Antenna

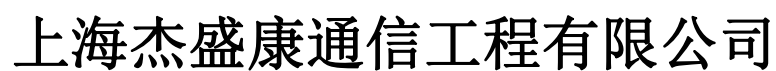


Freq (MHZ)	Eff (%)	GAIN	Freq (MHZ)	Eff (%)	GAIN	Freq (MHZ)	Eff (%)	GAIN
650	18.41	-2.51	1710	40.83	-0.07	2300	47.86	1.83
670	21.00	-1.84	1750	41.31	1.23	2330	52.56	2.89
690	24.36	-1.66	1790	42.32	1.67	2370	50.24	3.33
710	28.51	-0.98	1830	45.16	1.85	2400	46.09	3.27
730	29.66	-0.84	1870	46.20	1.57	2450	38.98	2.61
750	33.11	-0.26	1900	46.42	1.15	2480	33.78	1.85
770	34.29	-0.13	1930	47.79	0.89	2510	35.22	1.96
790	28.75	-1.65	1960	51.76	1.52	2540	39.55	2.97
810	25.46	-1.60	1990	51.67	1.41	2570	45.92	2.85
830	23.45	-1.90	2100	50.78	1.05	2600	43.88	3.13
850	23.48	-1.56	2130	53.55	1.11	2630	44.75	3.87
870	23.91	-1.92	2160	53.60	1.70	2660	43.62	3.88
890	22.15	-1.51				2690	39.14	3.50

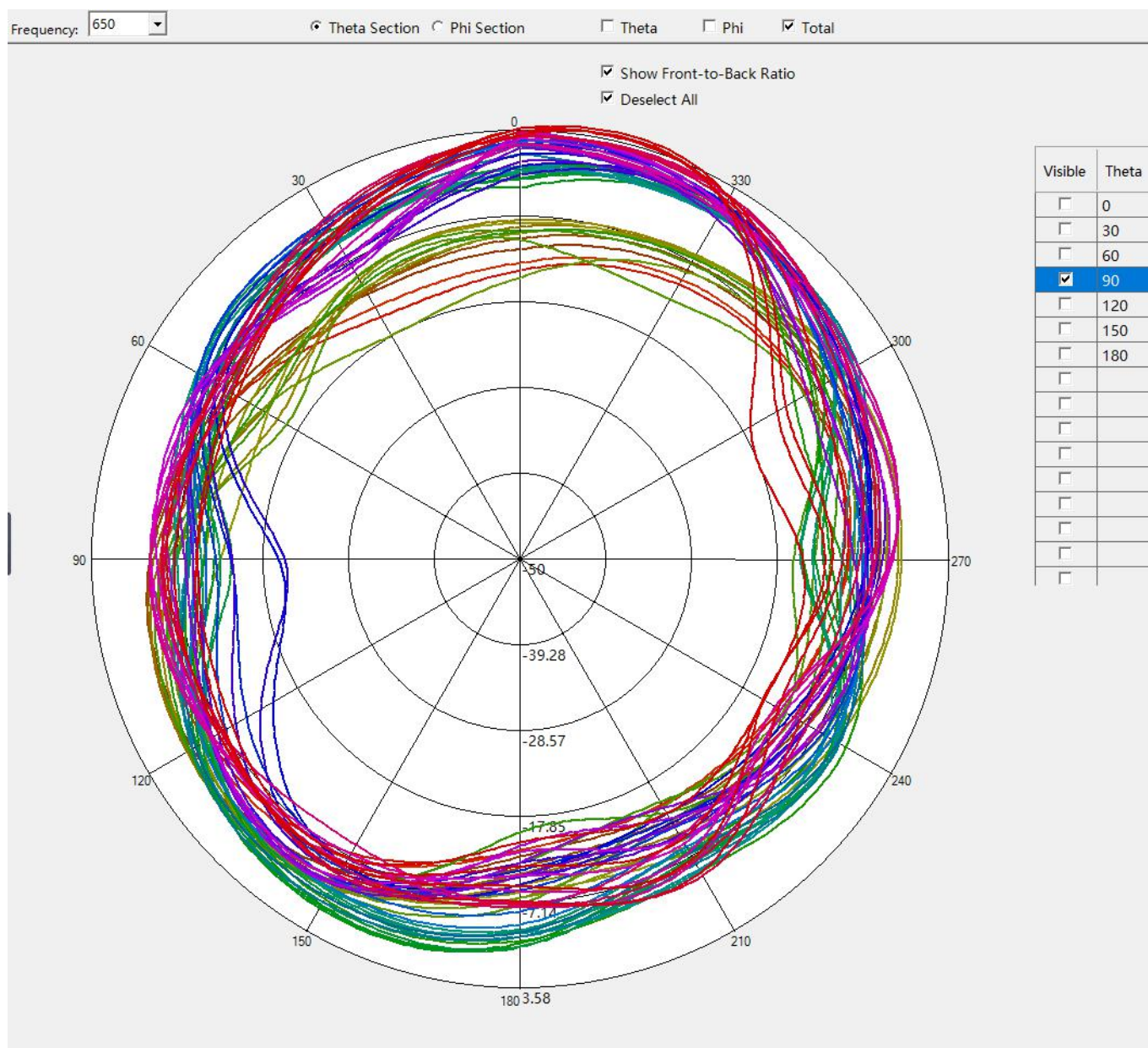
WIFI Antenna

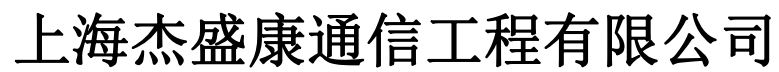


Freq (MHZ)	Eff (%)	GAIN (DBi)		Freq (MHZ)	Eff (%)	GAIN (DBi)
2400	43.57	1.06		5150	35.32	1.50
2410	43.90	0.79		5250	34.04	0.84
2420	44.90	0.54		5350	30.93	0.46
2430	45.66	0.72		5450	34.87	0.99
2440	46.10	0.88		5550	33.41	0.80
2450	45.58	0.83		5650	40.15	1.50
2460	44.11	0.59		5750	39.35	1.24
2470	41.30	0.10		5850	37.51	2.19
2480	40.80	-0.14				
2490	40.34	-0.17				
2500	39.33	-0.45				

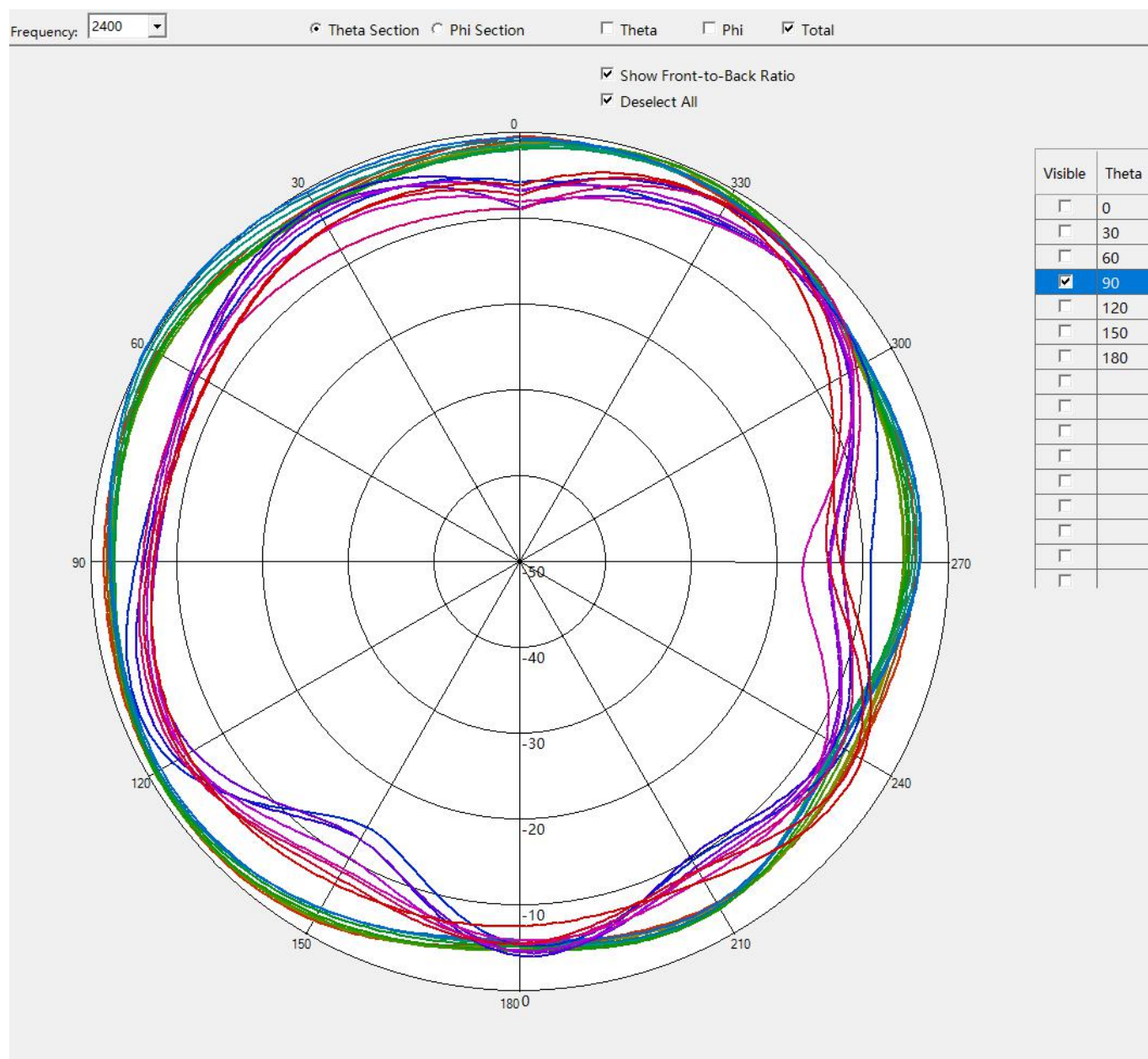


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Antenna size:

