



Antenna Test Report

TC: 安科讯

MN: EF01

RF: 蔡林满

MD: 黄清清

MP: 19918388579

Date: 2025. 731

REV :V1. 0

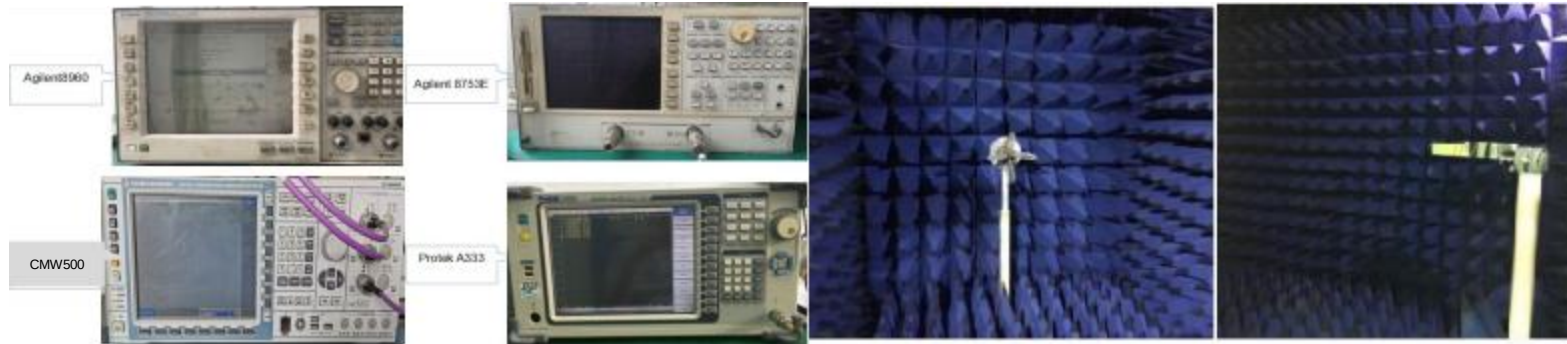


Test information

	Antenna band		Antenna state	Antenna form	Matchc hanges	Note
Main ANT	2G					
	3G	W1/2/4/5/8	FPC	PIFA	NO	
	4G	B1/2/3/4/5/7/8/12/13/17/20/28/66/38/40/41				
AUX ANT	BT/WIFI	2.4G/5G	FPC	PIFA	NO	
	GPS	1.575G	FPC	PIFA	NO	
	DIV		FPC	PIFA	NO	

Test environment

	TEST ITEMS	TSET Equipments
1. S-parameter	1. VSWR 2. Rrtun Loss	1. Agilent8753ES
2. Active Test	1. TRP 2. TIS 3. LCD OFF/LCD ON	1. Room: 5*3*3m (3D) Chamber 2. Agilent8960 CMW500
3. Passive Test	1. Gain 2. Efficiency	1. Room: 5*3*3m (3D) Chamber 2. Agilent 8753ES



Matching circuit

RF Part	Lable	Value	Band
MAIN ANT	L3303	0.75PF	
	L3301	2.7NH	
	L3304	8.2NH	
	R3301	0 Ω	
	C3302	0 Ω	
RF1	L3308	0 Ω	LTE:FDD B1/2/3/4/7/8/66 TDD B38/40/41 WCDMA1/2/4/8
RF2	L3310	5.6NH	LTE:FDD B5/B20 WCDMA5
RF3	L3307	12NH	LTE:FDD B13
RF4	L3309	22NH	LTE:FDD B12/17/28
DIV ANT	L3405	0.75PF	
	C3403	2.2NH	
	L3406	NC	



Antenna position

Refer to antenna position photo.

OTA test data

3G															
Band	WCDMA-1			WCDMA-2			WCDMA-4			WCDMA-5			WCDMA-8		
Channel	10562	10700	10838	9662	9800	9938	1537	1630	1738	4357	4400	4458	2937	3013	3088
TRP(dBm)															
TIS(LCD OFF)															
TIS(LCD ON)															
4G(FDD 10M)															
Band	FDD-Band 1			FDD-Band 2			FDD-Band3			FDD-Band4					
Channel	18050	18300	18550	18650	18900	19150	19250	19575	19900	20000	20175	20350			
TRP(dBm)	18.62	18.09	17.56	17.12	16.06	17.06	16.15	16.19	16.52	16.51	16.57	16.56			
TIS(LCD OFF)			-95.45			-96.26			-96.54			-96.0			
TIS(LCD ON)															
Band	FDD-Band5			FDD-Band7			FDD-Band8			FDD-Band12			FDD-Band13		
Channel	25450	20525	20600	20800	21100	21400	21500	21625	21750	23060	23095	23130		23230	
TRP(dBm)	16.01	17.07	17.2	18.58	17.59	17.54	16.05	16.03	15.67	13.64	13.2	13.14		15.44	
TIS(LCD OFF)			-93.67			-93.1			-92.65			-90.36		-91.3	
TIS(LCD ON)															
Band	FDD-Band17			FDD-Band20			FDD-Band 28			FDD-Band66					
Channel	23780	23790	23800	24200	24300	24400	27260	27435	27610	132022	132322	132622			
TRP(dBm)	12.88	13.19	13.71	16.1	16.59	16.15	12.79	13.35	14.22	17.68	17.91	17.97			
-----TIS(LCD OFF)			-90.16			-91.16			-90.23			-96.21			
TIS(LCD ON)															
4G(TDD 20M)															
Band	FDD-Band 38			FDD-Band 39			FDD-Band 40			FDD-Band 41					
Channel	37850	38000	38150	38350	38450	38550	38750	39150	39550	39750	40620	41490			
TRP(dBm)	18.47	18.06	18.3				18.03	18.07	18.2		17.97				
TIS(LCD OFF)			-93.59						-93.48		-93.54				
TIS(LCD ON)															

Active test data

802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	12.32	CH1 11Mbps	-80.35
	2437	CH6 11Mbps	12.86	CH6 11Mbps	-81.62
	2467	CH11 11Mbps	13.06	CH11 11Mbps	-80.91
802.11a		TRP		TIS	
	5180	CH36 6Mbps	9.8	CH36 54Mbps	-71.42
	5300	CH60 6Mbps	10.13	CH60 54Mbps	-71.4
	5805	CH161 6Mbps	10.18	CH161 54Mbps	-70.8

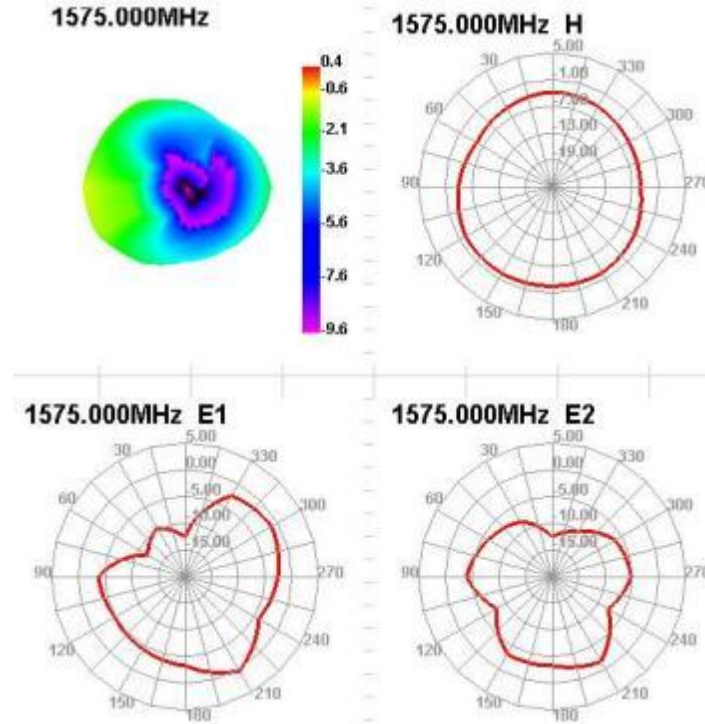
GW/BANT GAIN&Efficiency-GPS

Passive test data

Passive Test For GPS								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)
1560	33.78	-4.71	0.07	-2.08	14.061	19.719	0.07	-13.31
1565	34.1	-4.67	0.14	-2.01	14.262	19.833	0.14	-13.74
1570	34.61	-4.61	0.21	-1.94	14.479	20.128	0.21	-14.08
1575	35.54	-4.49	0.4	-1.75	14.963	20.572	0.4	-14.19
1580	36.58	-4.37	0.55	-1.6	15.495	21.085	0.55	-13.78
1585	37.6	-4.25	0.7	-1.45	15.942	21.66	0.7	-13.23
1590	38.4	-4.16	0.81	-1.34	16.269	22.135	0.81	-12.5

Passive test data

G/W/BAN T Direction of figure(GPS)



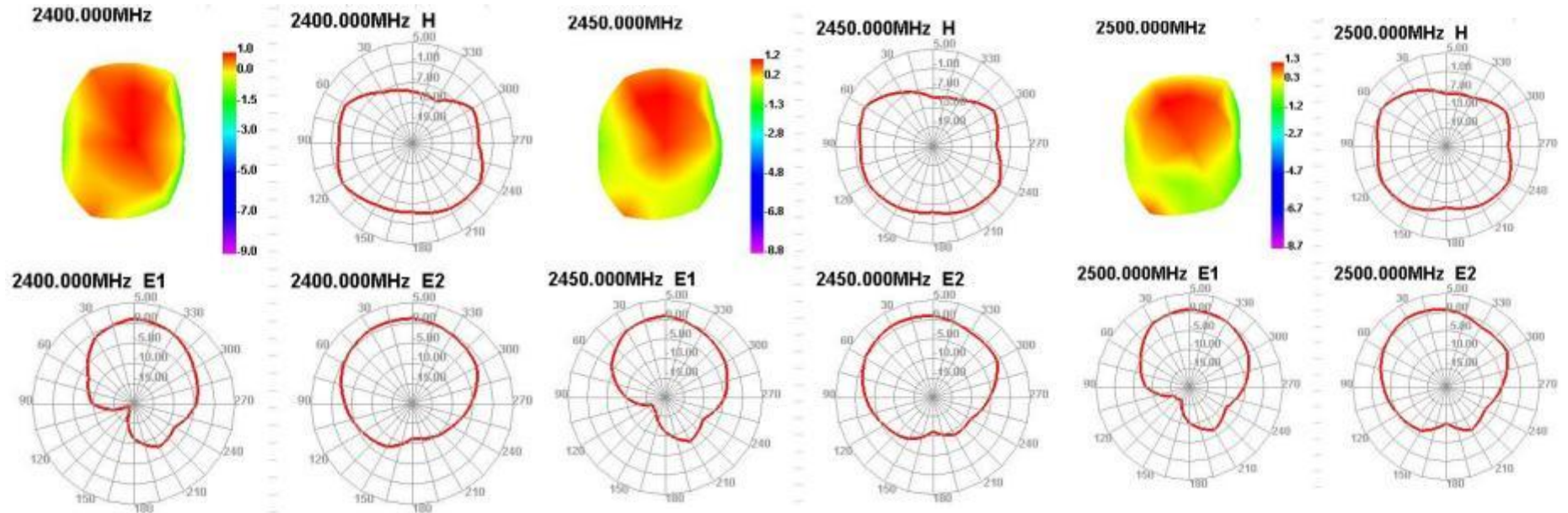
Passive test data

G/w/BANT GAIN&Efficiency-WIFI2.4G/BT

Passive Test For WIFI2.4											
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	48.21	-3.17	0.45	23.037	25.175	3.1	-9.07	6.27	60	46.14	45.65
2410	48.23	-3.17	0.49	22.727	25.507	3.14	-9.35	6.31	60	46.38	45.8
2420	47.75	-3.21	0.46	22.437	25.31	3.11	-9.86	6.32	60	46.07	45.5
2430	47.98	-3.19	0.4	22.629	25.346	3.05	-10.19	6.24	60	46.65	46.04
2440	49.96	-3.01	0.33	23.781	26.18	2.98	-10.75	5.99	60	46.32	45.75
2450	51.11	-2.91	0.15	24.542	26.572	2.8	-11.92	5.72	30	46.95	46.44
2460	51.22	-2.91	0.04	24.661	26.556	2.69	-13.45	5.6	30	46.76	46.31
2470	51.5	-2.88	0.03	24.566	26.936	2.68	-14.75	5.56	30	46.89	46.49
2480	51.53	-2.88	-0.07	24.177	27.357	2.58	-16.3	5.46	60	46.56	46.18
2490	49.96	-3.01	0.05	22.956	27.004	2.7	-18.1	5.71	60	47.34	46.96
2500	51.34	-2.9	0.4	23.101	28.238	3.05	-17.5	5.94	30	47.05	46.65

Passive test data

G/w/BAN T Direction of figure(2.4/BT)





Passive test data

MAIN ANT GAIN Efficiency 690-2100MHZ

Passive Test For 低频

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	rectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
690	7.51	-11.24	-8.98	3.113	4.396	-7.44	-25.52	3.81	0	38.39	38.05
700	8.41	-10.75	-7.95	3.448	4.96	-6.41	-27.81	4.34	0	37.95	37.71
710	11.4	-9.43	-6.59	4.702	6.702	-5.05	-23.78	4.38	30	38.33	38.1
720	12.43	-9.06	-6.54	5.169	7.258	-5	-21.9	4.05	30	38.12	37.78
730	13.41	-8.73	-6.69	5.597	7.808	-5.15	-19.74	3.58	30	37.65	37.31
740	15.51	-8.09	-6.26	6.537	8.973	-4.72	-17.93	3.38	30	37.21	36.99
750	17.39	-7.6	-5.74	7.389	10	-4.2	-16.99	3.4	30	37.03	36.95
760	17.92	-7.47	-5.82	7.537	10.383	-4.28	-16.28	3.19	30	36.73	36.72
770	16.33	-7.87	-6.09	6.835	9.493	-4.55	-17.15	3.32	60	35.81	35.92
780	18.21	-7.4	-5.23	7.625	10.589	-3.69	-18.03	3.71	30	35.67	35.88
790	23.8	-6.23	-3.94	10.007	13.794	-2.4	-19.02	3.84	60	35.94	36.19
800	29.22	-5.34	-3.01	12.3	16.919	-1.47	-20.11	3.87	60	36.77	36.98
810	30.21	-5.2	-2.99	12.815	17.399	-1.45	-18.62	3.75	60	36.63	36.88
820	33.32	-4.77	-2.66	14.58	18.736	-1.12	-18.62	3.66	60	36.69	36.92
830	35.57	-4.49	-2.6	16.048	19.526	-1.06	-19.37	3.43	60	36.46	36.76
840	36.16	-4.42	-2.74	16.621	19.543	-1.2	-21.89	3.22	60	36.63	37.05
850	39.89	-3.99	-2.36	18.497	21.396	-0.82	-26.46	3.18	60	36.69	37.16
860	42.45	-3.72	-1.94	19.842	22.611	-0.4	-28.68	3.32	30	36.82	37.25
870	42.01	-3.77	-1.64	19.565	22.444	-0.1	-23.16	3.66	30	36.68	37.07
880	40.61	-3.91	-1.57	18.995	21.617	-0.03	-23.04	3.88	30	36.82	37.19
890	38.68	-4.12	-1.59	18.474	20.211	-0.05	-21.05	4.07	60	37	37.41
900	38.2	-4.18	-1.73	18.774	19.426	-0.19	-18.74	3.99	60	37.06	37.58
910	34.53	-4.62	-2.17	17.278	17.247	-0.63	-16.64	3.99	90	37.17	37.66
920	28.47	-5.46	-3.01	14.424	14.043	-1.47	-16.37	3.99	90	37.7	38.16
930	24.36	-6.13	-3.55	12.675	11.684	-2.01	-22.88	4.12	90	37.46	37.87
940	19.94	-7	-4.4	10.669	9.267	-2.86	-22.03	4.15	90	37.44	37.81
950	15.42	-8.12	-5.53	8.276	7.146	-3.99	-18.46	4.13	90	37.77	38.07
960	13.28	-8.77	-6.34	7.065	6.211	-4.8	-16.61	3.97	90	37.78	37.92

Passive Test For 高频

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	rectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
1690	29.48	-5.3	-0.9	8.504	20.98	0.64	-23.74	5.94	30	42.4	41.72
1700	32.36	-4.9	-0.48	9.072	23.286	1.06	-24.07	5.96	30	42.9	42.32
1710	28.76	-5.41	-1.01	7.972	20.787	0.53	-26.85	5.94	30	42.52	42.01
1720	29.25	-5.34	-0.89	8.09	21.162	0.65	-26.86	5.98	30	42.4	41.88
1730	33.92	-4.7	-0.1	9.178	24.741	1.44	-25.41	6.13	30	42.83	42.29
1740	31.64	-5	-0.33	8.468	23.173	1.21	-28.18	6.21	30	42.89	42.17
1750	31.36	-5.04	-0.35	8.357	22.999	1.19	-31	6.22	30	42.92	42.22
1760	35.03	-4.56	0.01	9.324	25.702	1.55	-28.3	6.11	30	43.13	42.41
1770	39.67	-4.02	0.49	10.42	29.249	2.03	-24.89	6.05	30	43.26	42.64
1780	39.16	-4.07	0.22	10.352	28.804	1.76	-21.23	5.83	30	43.6	43.04
1790	36.03	-4.43	-0.13	9.818	26.217	1.41	-18.81	5.84	30	43.12	42.67
1800	36.94	-4.33	0.03	10.483	26.454	1.57	-16.74	5.9	30	42.97	42.55
1810	38.53	-4.14	0.27	11.251	27.277	1.81	-15.14	5.95	30	42.94	42.49
1820	38.06	-4.2	0.39	11.221	26.836	1.93	-14.56	6.12	30	43.24	42.77
1830	39.25	-4.06	0.64	11.719	27.532	2.18	-14.28	6.24	30	43.09	42.62
1840	39.89	-3.99	0.72	12.079	27.809	2.26	-14.57	6.25	30	43.08	42.67
1850	39.41	-4.04	0.62	12.135	27.271	2.16	-14.58	6.2	30	43.4	43.05
1860	40.84	-3.89	0.59	12.795	28.049	2.13	-14.5	6.02	30	43.4	43.07
1870	40.29	-3.95	0.4	12.884	27.408	1.94	-14.1	5.89	30	43.15	42.96
1880	35.93	-4.45	-0.37	11.871	24.056	1.17	-14.58	5.62	30	42.86	43.08
1890	35.26	-4.53	-0.71	11.947	23.311	0.83	-14.15	5.36	30	42.84	42.68
1900	34.12	-4.67	-1.18	11.969	22.147	0.36	-14.73	5.03	30	42.94	42.77
1910	35.69	-4.47	-1.21	12.871	22.822	0.33	-14.83	4.8	30	42.87	42.69
1920	34.25	-4.65	-1.55	12.746	21.505	-0.01	-18.25	4.64	30	42.9	42.78
1930	34.46	-4.63	-1.67	13.352	21.106	-0.13	-20.39	4.49	30	43.03	42.87
1940	34.89	-4.57	-1.89	14.17	20.722	-0.35	-18.08	4.23	60	42.93	42.71
1950	34.06	-4.68	-2.32	14.414	19.643	-0.78	-16.18	3.9	60	42.85	42.64
1960	34.55	-4.62	-2.37	14.989	19.558	-0.83	-14.19	3.78	30	42.95	42.68
1970	35.86	-4.45	-2.3	15.777	20.079	-0.76	-12.79	3.69	30	42.9	42.76
1980	35.88	-4.45	-2.45	15.886	19.997	-0.91	-12.02	3.54	60	43.15	43.1
1990	36.44	-4.38	-2.24	16.088	20.37	-0.7	-11.51	3.69	60	43.17	43.1
2000	35.58	-4.49	-2.4	15.632	19.945	-0.86	-11.59	3.63	30	43.48	43.38
2010	33.39	-4.76	-2.66	14.764	18.622	-1.12	-12.15	3.64	30	43.5	43.33
2020	32.31	-4.91	-3.05	14.653	17.653	-1.51	-12.69	3.4	30	43.39	43.21
2030	31.86	-4.97	-3.1	14.988	16.868	-1.56	-12.89	3.41	30	43.28	43.09
2040	30.59	-5.14	-3.26	14.792	15.802	-1.72	-12.56	3.43	30	43.43	43.26
2050	34.17	-4.66	-2.62	16.779	17.396	-1.08	-11.45	3.58	30	43.79	43.65
2060	34.44	-4.63	-2.39	17.188	17.25	-0.85	-11.09	3.78	30	43.67	43.53
2070	33.54	-4.74	-2.39	17.115	16.425	-0.85	-11.17	3.9	30	43.99	43.83
2080	34.26	-4.65	-2.42	17.844	16.413	-0.88	-10.36	3.77	30	44.24	44.1
2090	39.93	-3.99	-1.96	21.075	18.855	-0.42	-9.2	3.57	60	44.64	44.47
2100	41.86	-3.78	-1.7	22.734	19.125	-0.16	-9.14	3.62	60	44.77	44.61

MAIN ANT GAIN Efficiency 2110—2750MHZ

Passive test data

Passive Test For 高频											
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	rectivity (dBi)	beamwidth (3dB)	AttH (dB)	AttV (dB)
2110	36.9	-4.33	-1.98	20.701	16.196	-0.44	-9.95	3.89	60	44.45	44.27
2120	33.04	-4.81	-2.09	19.128	13.911	-0.55	-10.96	4.26	60	44.21	44.07
2130	30.9	-5.1	-2.04	18.177	12.728	-0.5	-11.75	4.59	60	43.73	43.61
2140	32.58	-4.87	-1.64	19.456	13.12	-0.1	-12.16	4.77	60	43.96	43.93
2150	32.08	-4.94	-1.68	19.525	12.559	-0.14	-12.94	4.8	60	43.93	43.95
2160	31.18	-5.06	-1.78	19.409	11.775	-0.24	-14.16	4.83	60	44.05	44.08
2170	32.98	-4.82	-1.57	20.833	12.15	-0.03	-15.02	4.78	60	44.22	44.25
2180	34.57	-4.61	-1.11	22.008	12.557	0.43	-15.91	5.04	60	44	44.04
2190	34.89	-4.57	-0.98	22.344	12.549	0.56	-16.32	5.14	30	44.05	44.05
2200	35.14	-4.54	-0.78	22.692	12.447	0.76	-16.39	5.3	30	44.27	44.22
2210	35.48	-4.5	-0.71	23.195	12.287	0.83	-16.08	5.33	30	44.58	44.52
2220	35.42	-4.51	-0.72	23.48	11.939	0.82	-15.83	5.33	30	44.38	44.34
2230	34.34	-4.64	-0.77	23.104	11.232	0.77	-15.91	5.41	30	44.31	44.25
2240	30.49	-5.16	-0.94	20.833	9.658	0.6	-17.13	5.76	30	44.31	44.24
2250	31.34	-5.04	-0.48	21.827	9.511	1.06	-18.39	6.1	30	44.41	44.36
2260	31.08	-5.08	-0.19	22.121	8.955	1.35	-20.46	6.42	30	44.11	44
2270	28.62	-5.43	-0.46	20.766	7.858	1.08	-23.33	6.51	30	44.4	44.31
2280	27.92	-5.54	-0.49	20.62	7.3	1.05	-26.06	6.6	30	44.26	44.17
2290	29.99	-5.23	-0.12	22.71	7.276	1.42	-26.37	6.65	30	44.78	44.69
2300	26.74	-5.73	-0.84	20.894	5.946	0.7	-24.27	6.42	30	44.4	44.36
2310	25.28	-5.97	-1.1	19.967	5.308	0.44	-22.61	6.41	30	44.7	44.72
2320	29.48	-5.3	-0.32	23.282	6.2	1.22	-20.69	6.53	30	45.07	45.15
2330	33.02	-4.81	0.2	25.939	7.083	1.74	-19.93	6.55	30	45.44	45.57
2340	30.38	-5.17	-0.14	23.768	6.611	1.4	-20.97	6.57	30	45.2	45.31
2350	30.8	-5.12	-0.19	23.86	6.936	1.35	-22.48	6.46	30	45.41	45.59
2360	33.38	-4.77	0.11	25.542	7.833	1.65	-23.8	6.41	30	45.27	45.43
2370	32.82	-4.84	-0.08	24.725	8.095	1.46	-23.73	6.3	30	45.49	45.69
2380	34.97	-4.56	0.2	26.004	8.97	1.74	-21.41	6.3	30	45.51	45.71
2390	36.28	-4.4	0.3	26.673	9.609	1.84	-19.49	6.24	30	45.77	46.02
2400	37.38	-4.27	0.44	27.171	10.209	1.98	-18.07	6.25	30	45.78	46.01
2410	34.79	-4.58	0.21	24.759	10.036	1.75	-17.81	6.33	30	46.01	46.29
2420	37.75	-4.23	0.56	26.209	11.54	2.1	-17.11	6.33	30	45.73	46
2430	39.07	-4.08	0.64	26.601	12.468	2.18	-16.98	6.27	30	46.01	46.36
2440	38.44	-4.15	0.47	25.729	12.708	2.01	-17.34	6.16	30	46.12	46.48
2450	39.47	-4.04	0.34	25.937	13.535	1.88	-17.5	5.92	30	46.12	46.54
2460	42.61	-3.71	0.39	27.452	15.153	1.93	-17.22	5.64	30	46.14	46.52
2470	43.38	-3.63	0.25	27.463	15.916	1.79	-16.71	5.41	30	46.4	46.8
2480	44.28	-3.54	0.27	27.686	16.598	1.81	-15.53	5.35	30	46.26	46.64
2490	45.13	-3.46	0.28	27.731	17.401	1.82	-14.56	5.28	30	46.51	46.91
2500	44.66	-3.5	0.18	27.036	17.626	1.72	-13.97	5.22	30	46.47	46.86
2510	42.88	-3.68	-0.19	25.444	17.436	1.35	-14.08	5.03	30	46.13	46.49
2520	40.52	-3.92	-0.85	23.526	16.992	0.69	-14.78	4.61	0	46.06	46.36
2530	39.24	-4.06	-0.97	22.299	16.94	0.57	-15.99	4.63	0	45.99	46.31
2540	37.21	-4.29	-0.92	20.576	16.636	0.62	-16.66	4.91	0	45.89	46.15

Passive Test For 高频											
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	rectivity (dBi)	beamwidth (3dB)	AttH (dB)	AttV (dB)
2450	39.47	-4.04	0.34	25.937	13.535	1.88	-17.5	5.92	30	46.12	46.54
2460	42.61	-3.71	0.39	27.452	15.153	1.93	-17.22	5.64	30	46.14	46.52
2470	43.38	-3.63	0.25	27.463	15.916	1.79	-16.71	5.41	30	46.4	46.8
2480	44.28	-3.54	0.27	27.686	16.598	1.81	-15.53	5.35	30	46.26	46.64
2490	45.13	-3.46	0.28	27.731	17.401	1.82	-14.56	5.28	30	46.51	46.91
2500	44.66	-3.5	0.18	27.036	17.626	1.72	-13.97	5.22	30	46.47	46.86
2510	42.88	-3.68	-0.19	25.444	17.436	1.35	-14.08	5.03	30	46.13	46.49
2520	40.52	-3.92	-0.85	23.526	16.992	0.69	-14.78	4.61	0	46.06	46.36
2530	39.24	-4.06	-0.97	22.299	16.94	0.57	-15.99	4.63	0	45.99	46.31
2540	37.21	-4.29	-0.92	20.576	16.636	0.62	-16.66	4.91	0	45.89	46.15
2550	37.13	-4.3	-0.77	20.089	17.045	0.77	-16.5	5.07	0	46.08	46.33
2560	37.99	-4.2	-0.57	20.204	17.783	0.97	-15.87	5.17	0	46.01	46.24
2570	36.61	-4.36	-0.53	19.214	17.391	1.01	-15.45	5.38	0	46.03	46.19
2580	35.37	-4.51	-0.49	18.269	17.101	1.05	-14.96	5.57	0	46.01	46.21
2590	36.06	-4.43	-0.35	18.276	17.78	1.19	-14.22	5.62	0	45.73	45.95
2600	38.15	-4.18	0.11	19.076	19.078	1.65	-14.14	5.83	0	46.04	46.24
2610	38.06	-4.2	0.25	18.889	19.169	1.79	-13.93	5.99	0	45.99	46.22
2620	37.07	-4.31	0.19	18.919	18.876	1.73	-13.05	6.04	0	45.99	46.17
2630	38.43	-4.15	0.31	18.605	19.827	1.85	-11.98	6	0	45.98	46.18
2640	41.47	-3.82	0.51	19.807	21.664	2.05	-11.35	5.87	0	46.5	46.72
2650	42.58	-3.71	0.71	20.37	22.21	2.25	-11.35	5.96	0	46.45	46.68
2660	43.05	-3.66	0.92	20.55	22.495	2.46	-11.68	6.13	0	46.66	46.86
2670	42.1	-3.76	0.88	20.054	22.046	2.42	-12.23	6.18	0	46.65	46.9
2680	43.36	-3.63	1	20.622	22.741	2.54	-12.23	6.17	0	46.69	46.87
2690	42.64	-3.7	0.82	20.29	22.354	2.36	-12.12	6.07	0	46.47	46.69
2700	41.46	-3.82	0.6	19.673	21.797	2.14	-11.98	5.96	0	46.74	46.91
2710	41.69	-3.8	0.66	19.715	21.979	2.2	-11.68	6	0	46.56	46.76
2720	42.04	-3.76	0.67	19.834	22.204	2.21	-11.61	5.97	0	46.78	46.97
2730	42.03	-3.76	0.57	19.862	22.167	2.11	-11.75	5.87	0	46.57	46.86
2740	42.59	-3.71	0.62	20.137	22.452	2.16	-12.36	5.87	0	46.81	47.03
2750	44.53	-3.51	0.8	21.189	23.339	2.34	-12.89	5.86	0	46.89	47.24

MAIN ANT Direction of figure690-2690MHZ

Passive test data

