

CREDITS TECHNOLOGY

SHEET FOR APPROVAL

(Revision : R : A0)

	CUSTOMER	AJM	
	CS P/N	T5	
	PART NAME		
	FREQUENCY	LTE	
	CREDITS NO.		
	DATE	2026-03-25	

	CUSTOMER				
	QA	ME	RF	MANAGER	

Remark:

	SHENZHEN CREDITS TECHNOLOGY CO., LTD				
	QA	ME	RF	MANAGER	

ANTENNA SPECIFICATION

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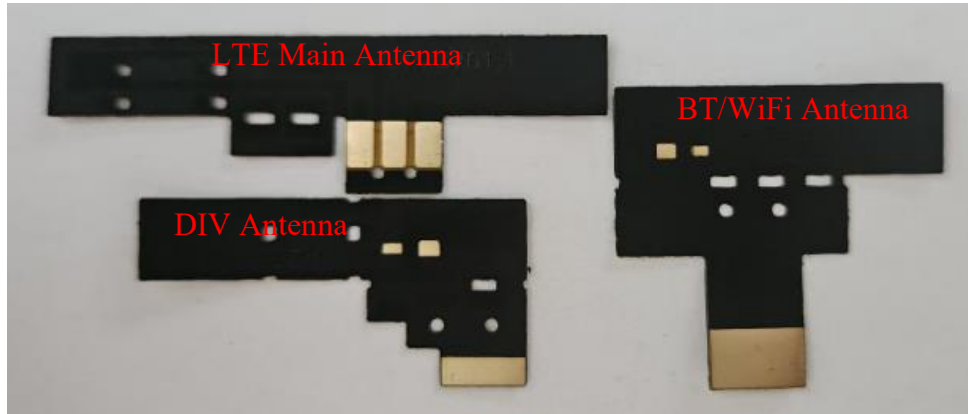
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1. General Description

This report summarizes the electrical performance results of the proposed Internal antenna to support the T5, program. The antenna is an assembly LTE



2. Electrical Specifications

2-1 Set-up

2-1-1 Frequency Band

Frequency Band	Tx(MHz)	Rx(MHz)
GSM900	880 ~ 915	925 ~ 960
DCS1800	1710 ~ 1785	1805 ~ 1880
LTE	699 ~ 2600	

2-1-2 Impedance

Nominal Impedance(including matching circuit) : **50** ohms

2-1-3 Matching Requirements

The matching circuit on the PCB of the handset is according to Figure 1

Optimum matching circuit is highly dependent on the handset and thus.

Final matching circuit layout and values will be defined when handset is available.

Customer provides

2-1-4 VSWR And GAIN

VSWR		GAIN	
Freq. Band	OPEN SPEC	Band Freq.	OPEN SPEC
880MHz	≤ 3.0	880MHz	$\geq -1.0\text{dBi}$
960MHz	≤ 3.0	960MHz	$\geq -1.0\text{dBi}$
1710MHz	≤ 3.5	1710MHz	$\geq -1.0\text{dBi}$
1880MHz	≤ 3.5	1880MHz	$\geq -1.0\text{dBi}$

※Measuring a 50Ω test jig is connected to a network analyzer to measure the VSWR

※※All test value is done in customer approval fixture.

2-2 Test Data

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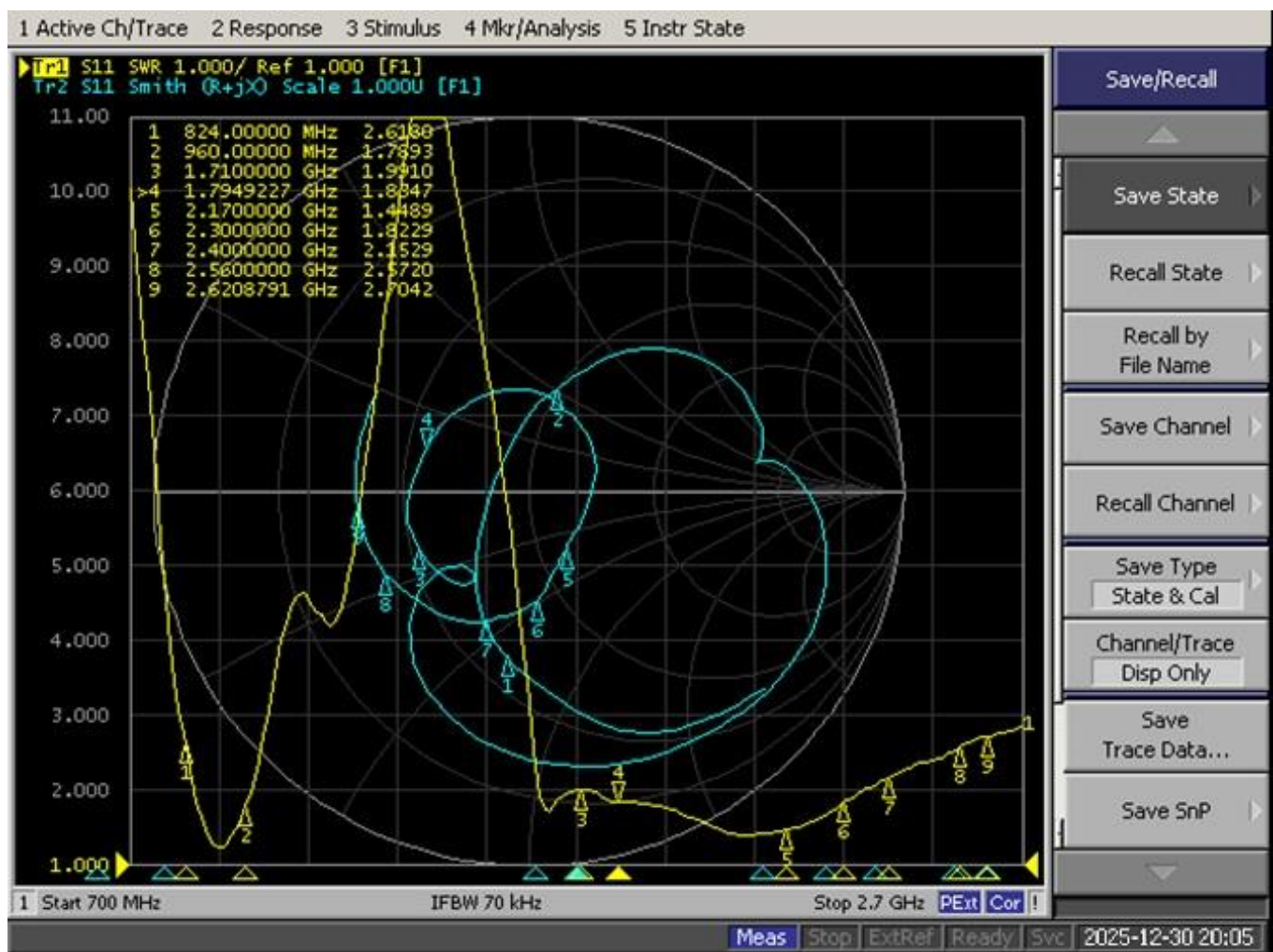
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2-2-1 LTE VSWR

Model No:T5	File:
CREDITS NO:	Note: LTE -VSWR
Sample No:	
Test Condition: Free Space	Matching:
Confirmation:	Engineer:



2-2-2 DIV VSWR

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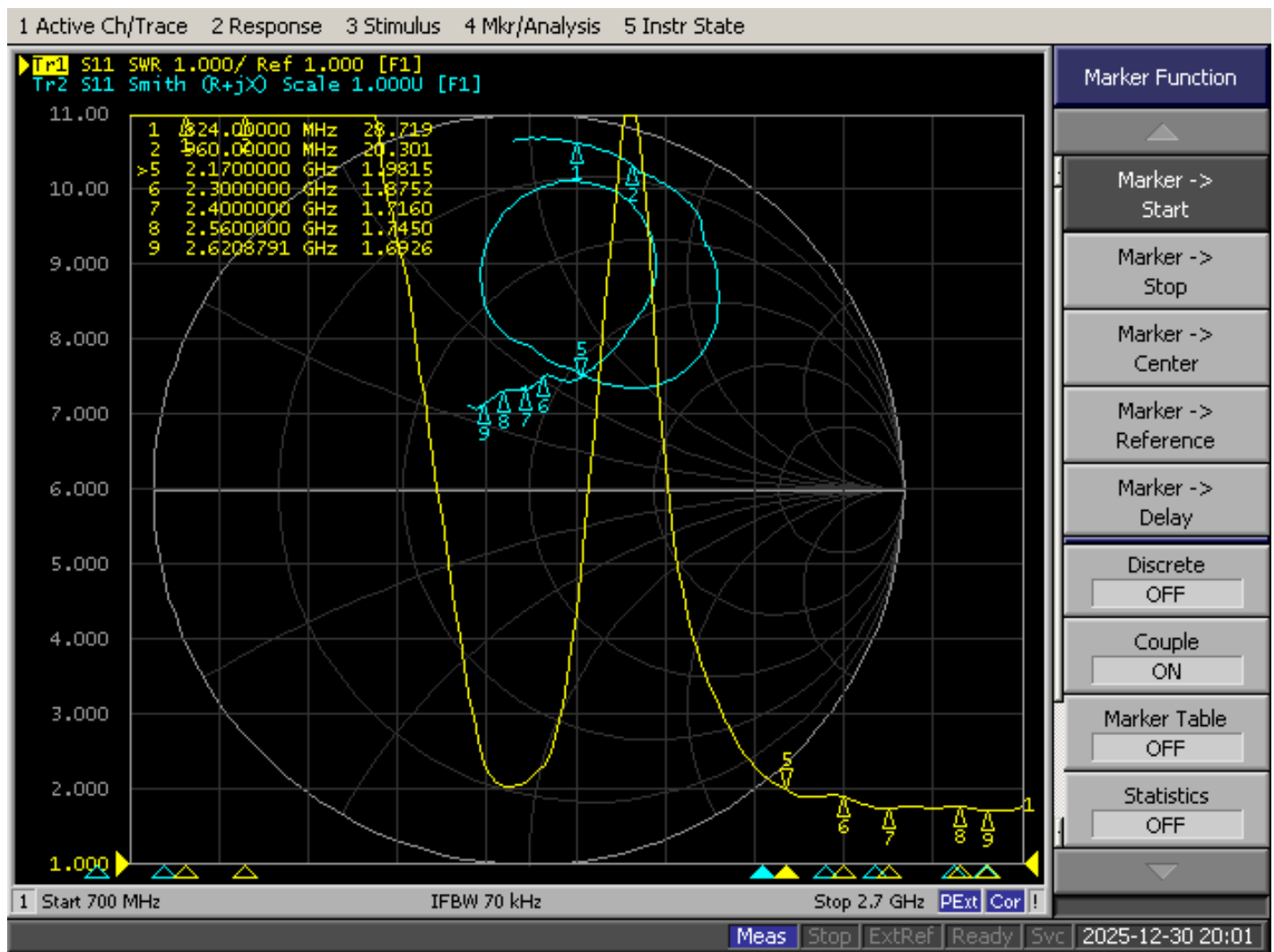
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Model No:T5	File:
CREDITS NO:	Note: DIV -VSWR
Sample No:	
Test Condition: Free Space	Matching:
Confirmation:	Engineer:



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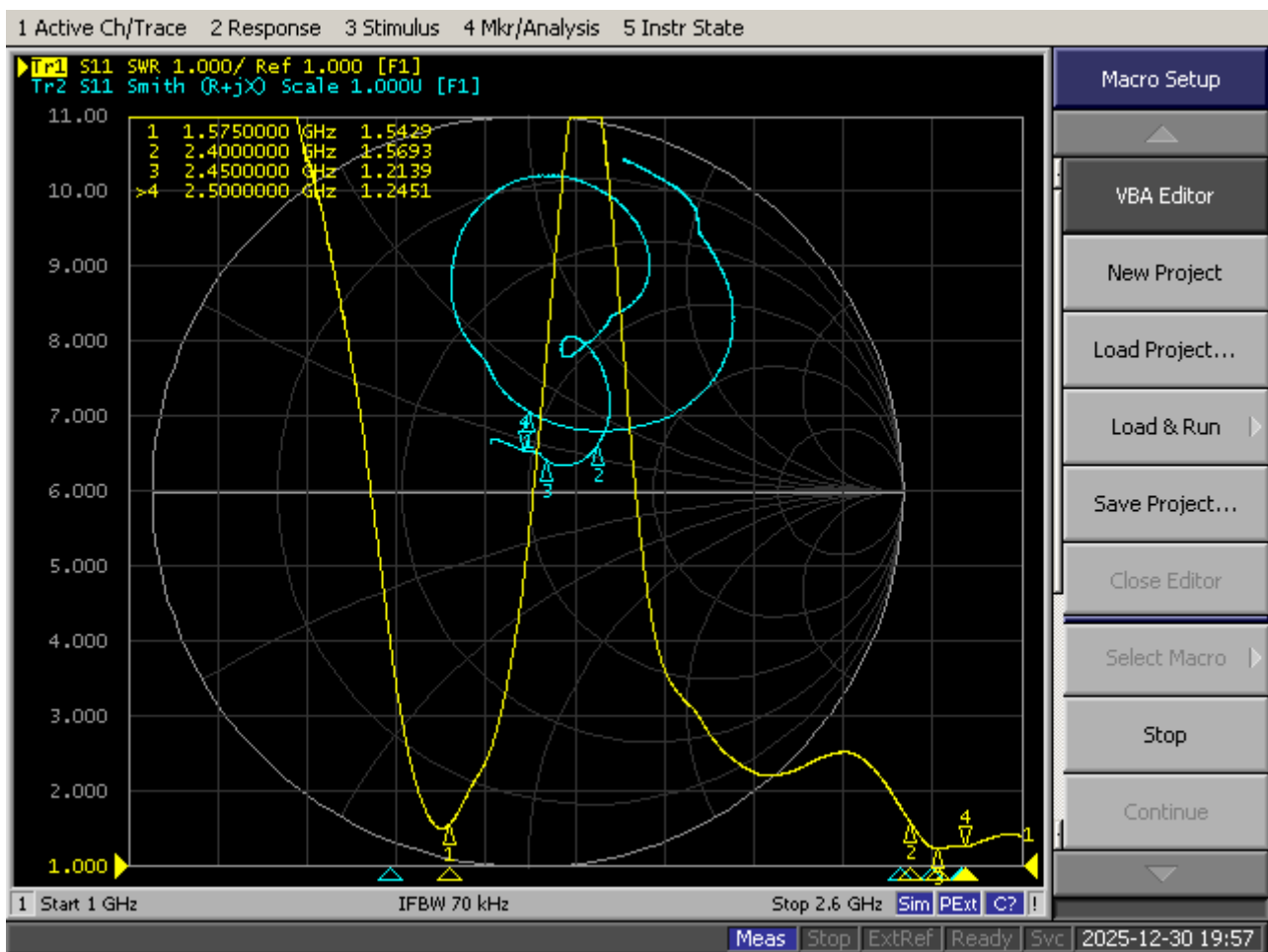
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Model No:T5	File:
CREDITS NO:	Note: GPS/WIFI-VSWR
Sample No:	
Test Condition: Free Space	Matching:
Confirmation:	Engineer:



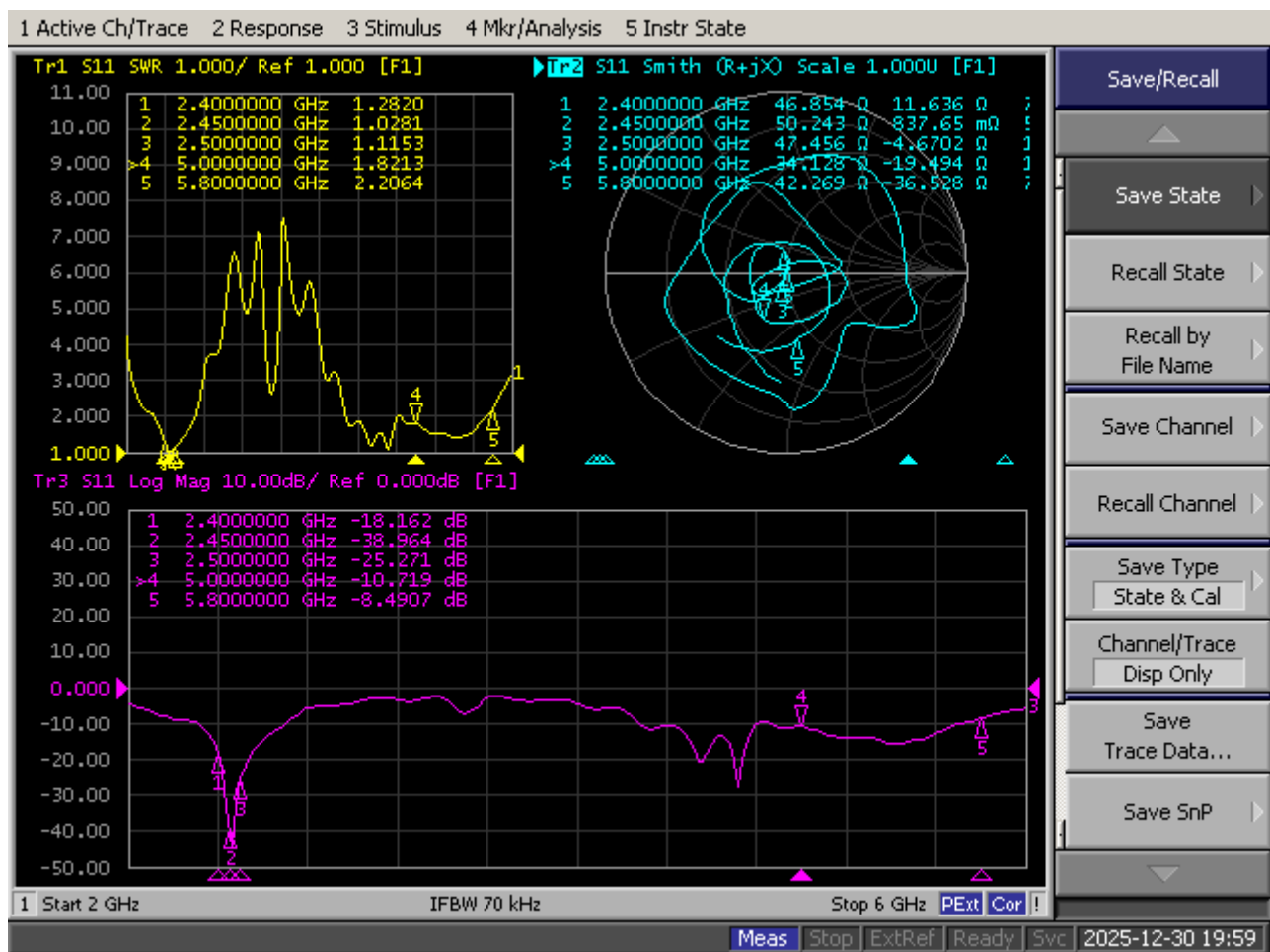
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Model No:T5	File:
CREDITS NO:	Note: 5G –WIFI VSWR
Sample No:	
Test Condition: Free Space	Matching:
Confirmation:	Engineer:



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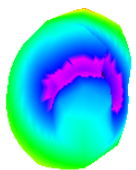
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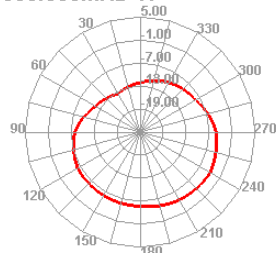
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Passive Test For LTE										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)
810	24.84	-6.05	-2.06	-4.21	8.272	16.566	-2.06	-15.96	3.99	30
830	22.05	-6.57	-1.86	-4.01	6.931	15.12	-1.86	-16.01	4.7	30
850	28.35	-5.47	-0.96	-3.11	8.585	19.767	-0.96	-13.97	4.52	30
870	27.41	-5.62	-0.52	-2.67	8.225	19.185	-0.52	-14.34	5.1	30
890	28.55	-5.44	-0.1	-2.25	8.275	20.279	-0.1	-14.29	5.34	30
910	27.62	-5.59	-0.15	-2.3	7.586	20.032	-0.15	-15.72	5.44	30
930	30.61	-5.14	0.43	-1.72	8.864	21.745	0.43	-17.15	5.57	30
950	31.24	-5.05	0.5	-1.65	9.723	21.513	0.5	-20.06	5.56	30
970	23.07	-6.37	-0.47	-2.62	7.586	15.487	-0.47	-17.23	5.9	0
1710	41.71	-3.8	1.3	-0.85	11.809	29.906	1.3	-11.34	5.1	60
1750	46.08	-3.36	1.71	-0.44	14.08	32.003	1.71	-9.98	5.07	60
1800	50.9	-2.93	2.46	0.31	16.575	34.329	2.46	-11.96	5.39	60
1850	52.69	-2.78	2.68	0.53	16.947	35.744	2.68	-20.55	5.46	30
1900	42.89	-3.68	2.69	0.54	11.954	30.931	2.69	-15.4	6.37	30
1950	38.78	-4.11	2.71	0.56	10.857	27.922	2.71	-13.14	6.82	0
2000	31.21	-5.06	2.07	-0.08	8.834	22.374	2.07	-16.25	7.13	0
2050	23.69	-6.25	0.78	-1.37	7.689	15.998	0.78	-16.22	7.03	0
2100	23.45	-6.3	0.86	-1.29	9.387	14.06	0.86	-15.91	7.16	0
2150	22.78	-6.43	-0.73	-2.88	12.04	10.736	-0.73	-20.32	5.69	0
2200	24.59	-6.09	-1.66	-3.81	14.285	10.301	-1.66	-26.36	4.43	60
2250	29.95	-5.24	-0.38	-2.53	17.455	12.496	-0.38	-21.51	4.85	0
2300	36.6	-4.37	0.56	-1.59	22.868	13.728	0.56	-17.83	4.93	30
2350	45.93	-3.38	0.82	-1.33	30.079	15.846	0.82	-14.47	4.2	30
2400	49.42	-3.06	0.35	-1.8	31.122	18.293	0.35	-18.13	3.41	90
2450	45.37	-3.43	-0.1	-2.25	27.474	17.895	-0.1	-19.29	3.33	90
2500	45.54	-3.42	0.11	-2.04	25.951	19.59	0.11	-17.63	3.53	90
2550	33.72	-4.72	-0.84	-2.99	18.948	14.774	-0.84	-17.21	3.88	90
2600	25.93	-5.86	-1.65	-3.8	14.478	11.449	-1.65	-16.82	4.21	90

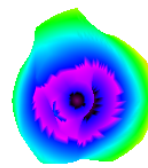
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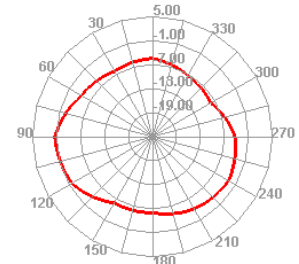
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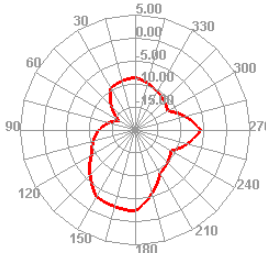
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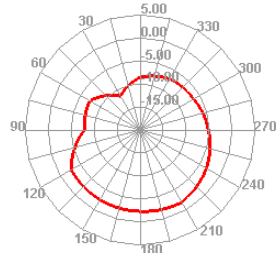
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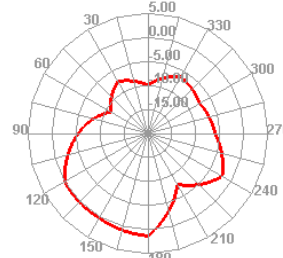
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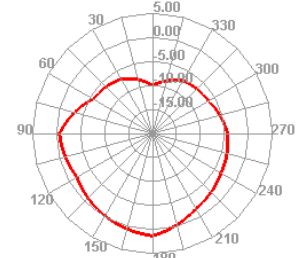
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1710.000MHz E1



1710.000MHz E2



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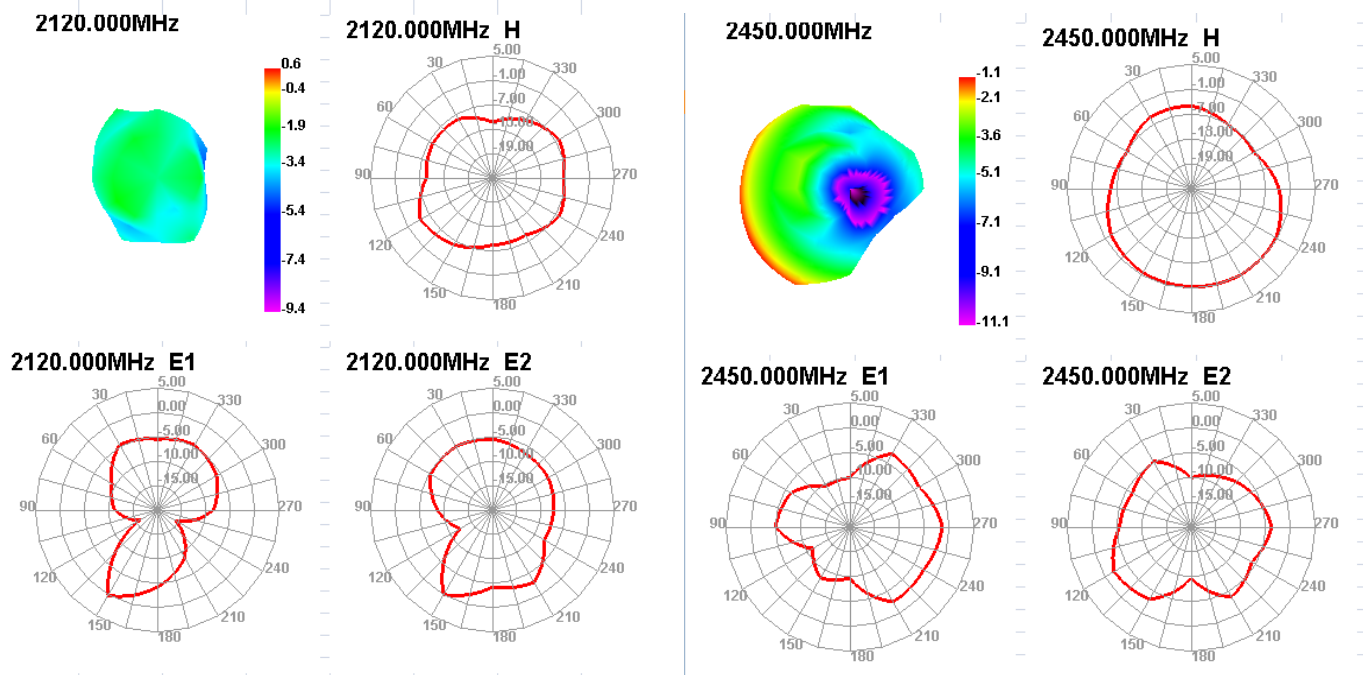
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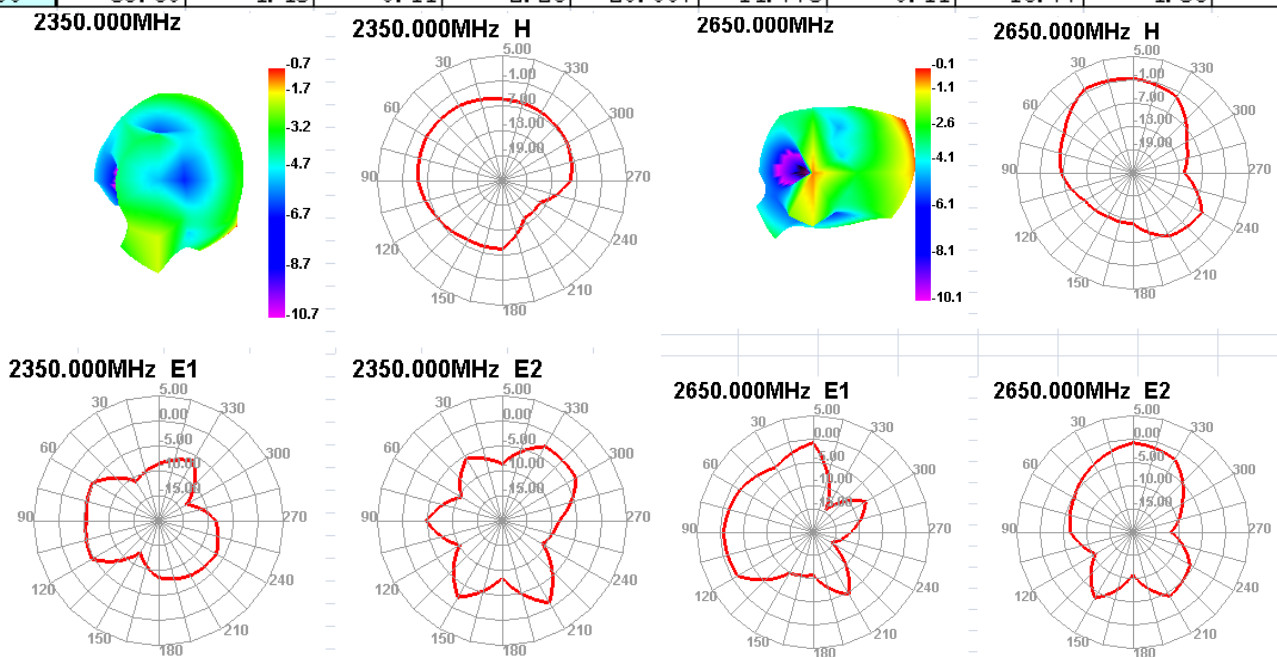
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2-3-2 DIV GAIN/ EFFICIENCY)

Passive Test For Div										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)
2300	35.13	-4.54	-0.67	-2.82	20.185	14.943	-0.67	-17.4	3.88	30
2350	34.6	-4.61	-0.84	-2.99	19.931	14.67	-0.84	-17.61	3.77	30
2400	35.18	-4.54	-0.71	-2.86	20.302	14.879	-0.71	-17.54	3.82	30
2450	35.26	-4.53	-0.54	-2.69	20.4	14.86	-0.54	-17.37	3.99	30
2500	34.71	-4.6	-0.45	-2.6	20.161	14.546	-0.45	-17.29	4.14	30
2550	35.49	-4.5	-0.24	-2.39	20.737	14.756	-0.24	-17	4.26	30
2600	35.69	-4.48	-0.11	-2.26	20.907	14.778	-0.11	-16.77	4.36	30



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2-3-2 GPS/WIFI GAIN/ EFFICIENCY)

Passive Test For GPS/WIFI										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)
1570	29.95	-5.24	-0.21	-2.36	12.829	17.122	-0.21	-26.45	5.03	60
1575	30.79	-5.12	-0.19	-2.34	13.18	17.609	-0.19	-23.81	4.92	60
1580	31.92	-4.96	-0.11	-2.26	13.668	18.254	-0.11	-21.19	4.85	60
2400	35.34	-4.52	0.16	-1.99	15.138	20.206	0.16	-18.46	4.68	60
2420	38.22	-4.18	0.51	-1.64	16.407	21.817	0.51	-19.48	4.69	60
2440	38.23	-4.18	0.48	-1.67	16.735	21.491	0.48	-17.31	4.66	60
2460	36.63	-4.36	0.56	-1.59	16.563	20.069	0.56	-18.88	4.92	60
2480	37.22	-4.29	0.84	-1.31	17.395	19.825	0.84	-23.44	5.13	30
2500	40.51	-3.92	1.17	-0.98	19.146	21.365	1.17	-19.06	5.1	60
5000	32.78	-4.84	0.92	-1.23	20.28	12.503	0.92	-17.52	5.76	0
5050	35.52	-4.5	1.12	-1.03	21.546	13.969	1.12	-18.49	5.62	0
5100	35.2	-4.54	0.89	-1.26	20.571	14.625	0.89	-17.91	5.42	0
5150	35.82	-4.46	0.84	-1.31	20.204	15.612	0.84	-16.89	5.3	0
5200	33.9	-4.7	0.48	-1.67	18.805	15.096	0.48	-16.79	5.17	0
5250	35.4	-4.51	0.64	-1.51	19.059	16.34	0.64	-18.36	5.15	0
5300	37.58	-4.25	0.75	-1.4	19.593	17.991	0.75	-18.9	5	0
5350	41.1	-3.86	1.14	-1.01	21.063	20.041	1.14	-18.49	5	0
5400	43.06	-3.66	2.43	0.28	22.023	21.034	2.43	-15.24	6.09	0
5450	39.44	-4.04	2.86	0.71	20.26	19.18	2.86	-15.06	6.9	0
5500	40.05	-3.97	3.07	0.92	20.693	19.361	3.07	-13.6	7.04	60
5550	41.07	-3.86	2.92	0.77	21.157	19.915	2.92	-13.6	6.79	180
5600	43.97	-3.57	2.98	0.83	22.453	21.513	2.98	-14.43	6.55	120
5650	47.44	-3.24	2.85	0.7	23.556	23.889	2.85	-15.16	6.09	150
5700	46.27	-3.35	2.36	0.21	22.766	23.503	2.36	-14.54	5.7	150
5750	46.97	-3.28	1.9	-0.25	23.494	23.48	1.9	-13.55	5.18	180
5800	48.43	-3.15	1.67	-0.48	24.732	23.696	1.67	-11.82	4.82	30
5850	47.92	-3.19	1.4	-0.75	25.093	22.832	1.4	-10.79	4.6	90
5900	41.95	-3.77	0.45	-1.7	22.799	19.152	0.45	-10.74	4.22	90

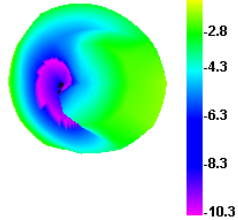
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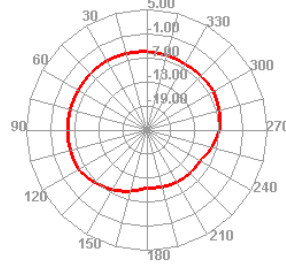
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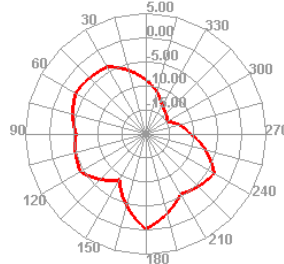
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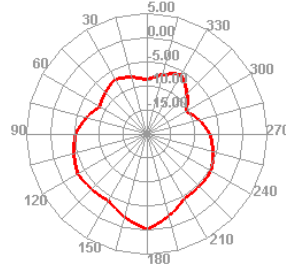
1575.000MHz H



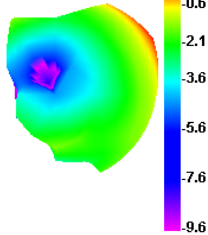
1575.000MHz E1



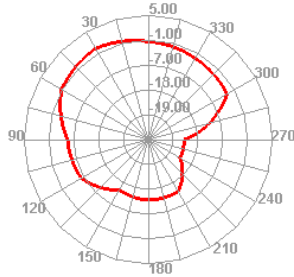
1575.000MHz E2



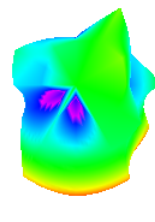
2450.000MHz



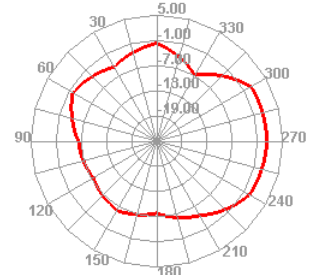
2450.000MHz H



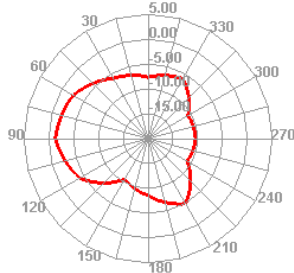
5800.000MHz



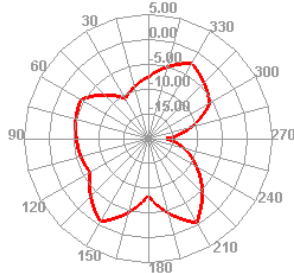
5800.000MHz H



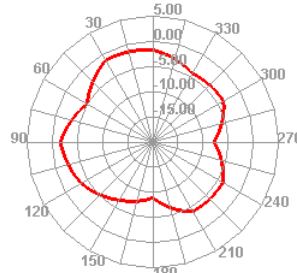
2450.000MHz E1



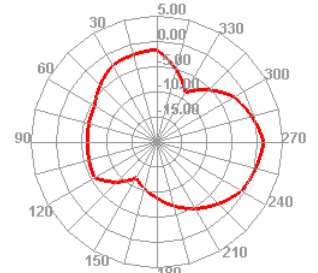
2450.000MHz E2



5800.000MHz E1



5800.000MHz E2



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2.4 TRP&TIS

Dynamic Test Report

App No: Test Date:2026-03-25 Operating Model: LTE

Matching Circule:

Text condition : CTIA Chamber ;

HP8960/5515C/CMMW500

Test Result	LTE1 TRP			Test Result	LTE1 TIS	Test Result	LTE2 TRP			Test Result	LTE2 TIS
	18050	18550	18300		300		18650	18900	19150		900
Frequency	1925	1975	1950	Frequency	2140	Frequency	1855	1880	1905	Frequency	1960
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	21.49	22.13	21.74	TIS (dBm)	-91.13	TRP (dBm)	17.67	17.83	17.58	TIS (dBm)	-97
NHPRP (dBm)	21.49	22.13	21.74	NHPIS (dBm)	-91.13	NHPRP (dBm)	17.67	17.83	17.58	NHPIS (dBm)	-97
MAX (dBm)	26.98	27.03	26.79	MAX (dBm)	-94.96	MAX (dBm)	23.33	23.47	23.15	MAX (dBm)	-101.7
EIRP peak	26.98	27.03	26.79	EIS peak	-94.96	EIRP peak	23.33	23.47	23.15	EIS peak	-101.7
Min (dBm)	14.92	17.22	15.85	Min (dBm)	-87.01	Min (dBm)	7.37	10.82	10.6	Min (dBm)	-92.4
Test Result	LTE3 TRP			Test Result	LTE3 TIS	Test Result	LTE4 TRP			Test Result	LTE4 TIS
	19575	19250	19900		1575		20000	20175	20350		2175
Frequency	1747.5	1715	1780	Frequency	1842.5	Frequency	1715	1732.5	1750	Frequency	2132.5
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	21.46	21.17	21.02	TIS (dBm)	-96.2	TRP (dBm)	21.33	22.36	21.89	TIS (dBm)	-93.66
NHPRP (dBm)	21.46	21.17	21.02	NHPIS (dBm)	-96.2	NHPRP (dBm)	21.33	22.36	21.89	NHPIS (dBm)	-93.66
MAX (dBm)	27.59	27.6	27.07	MAX (dBm)	-100.12	MAX (dBm)	27.67	28.62	27.79	MAX (dBm)	-96.94
EIRP peak	27.59	27.6	27.07	EIS peak	-100.12	EIRP peak	27.67	28.62	27.79	EIS peak	-96.94
Min (dBm)	11.81	12.9	9.65	Min (dBm)	-89.33	Min (dBm)	13.7	13.49	11.94	Min (dBm)	-86.25
Test Result	LTE5 TRP			Test Result	LTE5 TIS	Test Result	LTE7 TRP			Test Result	LTE7 TIS
	20450	20525	20600		2525		20800	21100	21400		3100
Frequency	829	836.5	844	Frequency	881.5	Frequency	2505	2535	2565	Frequency	2655
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	17.87	17.94	17.93	TIS (dBm)	-92.28	TRP (dBm)	18.92	19.28	19.53	TIS (dBm)	-93.39
NHPRP (dBm)	17.87	17.94	17.93	NHPIS (dBm)	-92.28	NHPRP (dBm)	18.92	19.28	19.53	NHPIS (dBm)	-93.39
MAX (dBm)	22.37	23.13	23.57	MAX (dBm)	-96.16	MAX (dBm)	22.38	22.72	23.16	MAX (dBm)	-96.72
EIRP peak	22.37	23.13	23.57	EIS peak	-96.16	EIRP peak	22.38	22.72	23.16	EIS peak	-96.72
Min (dBm)	10.7	10	9.51	Min (dBm)	-84.23	Min (dBm)	12.32	10.74	10.7	Min (dBm)	-87.89
Test Result	LTE8 TRP			Test Result	LTE8 TIS	Test Result	LTE18 TRP			Test Result	LTE18 TIS
	21500	21625	21750		3625		23900	23925	23950		5925
Frequency	885	897.5	910	Frequency	942.5	Frequency	820	822.5	825	Frequency	867.5
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	18.18	18.03	17.51	TIS (dBm)	-91.68	TRP (dBm)	17.94	18.13	18	TIS (dBm)	-90.76
NHPRP (dBm)	18.18	18.03	17.51	NHPIS (dBm)	-91.68	NHPRP (dBm)	17.94	18.13	18	NHPIS (dBm)	-90.76
MAX (dBm)	24.63	24.8	24.06	MAX (dBm)	-97.85	MAX (dBm)	22.34	22.73	22.78	MAX (dBm)	-96.69
EIRP peak	24.63	24.8	24.06	EIS peak	-97.85	EIRP peak	22.34	22.73	22.78	EIS peak	-96.69
Min (dBm)	10.21	10.78	10.65	Min (dBm)	-84.46	Min (dBm)	10.57	11.08	10.61	Min (dBm)	-82.53
Test Result	LTE19 TRP			Test Result	LTE19 TIS	Test Result	LTE20 TRP			Test Result	LTE20 TIS
	24050	24075	24100		6075		24200	24300	24400		6300
Frequency	835	837.5	840	Frequency	882.5	Frequency	837	847	857	Frequency	806
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	18.12	18.01	18.04	TIS (dBm)	-91.21	TRP (dBm)	18.36	18.56	18.25	TIS (dBm)	-93.98
NHPRP (dBm)	18.12	18.01	18.04	NHPIS (dBm)	-91.21	NHPRP (dBm)	18.36	18.56	18.25	NHPIS (dBm)	-93.98
MAX (dBm)	22.91	23.31	23.28	MAX (dBm)	-96.53	MAX (dBm)	23.21	24.03	24.15	MAX (dBm)	-98.73
EIRP peak	22.91	23.31	23.28	EIS peak	-96.53	EIRP peak	23.21	24.03	24.15	EIS peak	-98.73
Min (dBm)	10.53	10.09	10.13	Min (dBm)	-83.55	Min (dBm)	10.62	9.89	9.79	Min (dBm)	-86.02

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Test	LTE25 TRP			Test	LTE25 TIS	Test	LTE26 TRP			Test	LTE26 TIS
Result	26090	26365	26640	Result	8365	Result	26740	26865	26990	Result	8865
Frequency	1855	1882.5	1910	Frequency	1962.5	Frequency	819	831.5	844	Frequency	876.5
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	18.63	18.68	18.49	TIS (dBm)	-97.81	TRP (dBm)	18.09	18.52	18.24	TIS (dBm)	-91.08
NHPRP (dBm)	18.63	18.68	18.49	NHPIS (dBm)	-97.81	NHPRP (dBm)	18.09	18.52	18.24	NHPIS (dBm)	-91.08
MAX (dBm)	24.25	24.31	24.09	MAX (dBm)	-102.42	MAX (dBm)	22.63	23.38	23.45	MAX (dBm)	-97.39
EIRP peak	24.25	24.31	24.09	EIS peak	-102.42	EIRP peak	22.63	23.38	23.45	EIS peak	-97.39
Min (dBm)	8.51	11.65	11.84	Min (dBm)	-93.18	Min (dBm)	10.9	10.94	9.94	Min (dBm)	-82.02
Test	LTE66 TRP			Test	LTE66 TIS	Test	LTE12 TRP			Test	LTE12 TIS
Result	132022	132422	132822	Result	66886	Result	23060	23095	23130	Result	5095
Frequency	1715	1755	1795	Frequency	2155	Frequency	703	706.5	710	Frequency	736.5
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	22.61	23.04	23.09	TIS (dBm)	-95.22	TRP (dBm)	15.38	15.74	16.01	TIS (dBm)	-90.14
NHPRP (dBm)	22.61	23.04	23.09	NHPIS (dBm)	-95.22	NHPRP (dBm)	15.38	15.74	16.01	NHPIS (dBm)	-90.14
MAX (dBm)	28.93	29.18	29.18	MAX (dBm)	-98.67	MAX (dBm)	18.56	18.97	19.44	MAX (dBm)	-94.34
EIRP peak	28.93	29.18	29.18	EIS peak	-98.67	EIRP peak	18.56	18.97	19.44	EIS peak	-94.34
Min (dBm)	15.05	13.05	13.01	Min (dBm)	-85.01	Min (dBm)	1.44	1.48	2.23	Min (dBm)	-73.03
Test	LTE17 TRP			Test	LTE17 TIS	Test	LTE28 TRP			Test	LTE28 TIS
Result	23780	23790	23800	Result	5790	Result	27260	27435	27610	Result	9435
Frequency	709	710	711	Frequency	740	Frequency	708	725.5	743	Frequency	780.5
BW	10M	10M	10M	BW	10M	BW	10M	10M	10M	BW	10M
TRP (dBm)	15.49	15.96	16.31	TIS (dBm)	-89.93	TRP (dBm)	15.35	15.91	16.52	TIS (dBm)	-92.05
NHPRP (dBm)	15.49	15.96	16.31	NHPIS (dBm)	-89.93	NHPRP (dBm)	15.35	15.91	16.52	NHPIS (dBm)	-92.05
MAX (dBm)	18.61	19.35	19.84	MAX (dBm)	-93.55	MAX (dBm)	18.58	19.4	20.22	MAX (dBm)	-96.23
EIRP peak	18.61	19.35	19.84	EIS peak	-93.55	EIRP peak	18.58	19.4	20.22	EIS peak	-96.23
Min (dBm)	2.3	2.44	2.3	Min (dBm)	-72.85	Min (dBm)	0.8	2.77	4.06	Min (dBm)	-75.49
Test	LTE38 TRP			Test	LTE38 TIS	Test	LTE40 TRP			Test	LTE40 TIS
Result	37850	38000	38150	Result	38000	Result	38750	39150	39550	Result	39150
Frequency	2580	2595	2610	Frequency	2595	Frequency	2310	2350	2390	Frequency	2350
BW	20M	20M	20M	BW	20M	BW	20M	20M	20M	BW	20M
TRP (dBm)	18.92	19.49	19.34	TIS (dBm)	-91.65	TRP (dBm)	20.73	21.01	19.47	TIS (dBm)	-93.74
NHPRP (dBm)	18.92	19.49	19.34	NHPIS (dBm)	-91.65	NHPRP (dBm)	20.73	21.01	19.47	NHPIS (dBm)	-93.74
MAX (dBm)	22.47	22.93	22.33	MAX (dBm)	-95.12	MAX (dBm)	24.6	24.88	23.24	MAX (dBm)	-97.34
EIRP peak	22.47	22.93	22.33	EIS peak	-95.12	EIRP peak	24.6	24.88	23.24	EIS peak	-97.34
Min (dBm)	9.85	10.78	11.49	Min (dBm)	-82.85	Min (dBm)	11.21	8.91	11.12	Min (dBm)	-82.83
Test	LTE41 TRP			Test	LTE41 TIS	Test				Test	
Result	40350	40620	41100	Result	40620	Result				Result	
Frequency	2566	2593	2641	Frequency	2593	Frequency				Frequency	
BW	20M	20M	20M	BW	20M	BW				BW	
TRP (dBm)	18.88	19.25	19.21	TIS (dBm)	-91.53	TRP (dBm)				TIS (dBm)	
NHPRP (dBm)	18.88	19.25	19.21	NHPIS (dBm)	-91.53	NHPRP (dBm)				NHPIS (dBm)	
MAX (dBm)	22.46	22.76	21.98	MAX (dBm)	-94.95	MAX (dBm)				MAX (dBm)	
EIRP peak	22.46	22.76	21.98	EIS peak	-94.95	EIRP peak				EIS peak	
Min (dBm)	9.84	10.44	12.02	Min (dBm)	-82.33	Min (dBm)				Min (dBm)	
Test	GSM850 TRP			Test	GSM850 TIS	Test	EGSM TRP			Test	EGSM TIS
Result	128	190	251	Result	190	Result	1	62	124	Result	62
Frequency	824.2	836.599	848.799	Frequency	881.599	Frequency	890.2	902.4	914.799	Frequency	947.4
TRP (dBm)	25.78	26.86	27.91	TIS (dBm)	-101.09	TRP (dBm)	27.02	26.82	25.86	TIS (dBm)	-103.55
NHPRP (dBm)	25.78	26.86	27.91	NHPIS (dBm)	-101.09	NHPRP (dBm)	27.02	26.82	25.86	NHPIS (dBm)	-103.55
MAX (dBm)	30.35	31.68	33.22	RSSI Ave	43.09	MAX (dBm)	33.59	33.41	32.34	RSSI Ave	42.15
EIRP peak	30.35	31.68	33.22	MaxPosRSS	50.25	EIRP peak	33.59	33.41	32.34	MaxPosRSS	47.94
Min (dBm)	18.59	19.31	20.75	MaxPosSer	-108.25	Min (dBm)	19.09	19.21	18.49	MaxPosSer	-109.34

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Test Result	DCS TRP			Test Result	DCS TIS	Test Result	PCS TRP			Test Result	PCS TIS
	512	698	885		698		512	661	810		661
Frequency	1710.199	1747.4	1784.8	Frequency	1842.4	Frequency	1850.199	1880	1909.8	Frequency	1960
TRP (dBm)	26.71	26.44	26.84	TIS (dBm)	-105.71	TRP (dBm)	26.51	26.9	26.68	TIS (dBm)	-106.87
NHPRP (dBm)	26.71	26.44	26.84	NHPIS (dBm)	-105.71	NHPRP (dBm)	26.51	26.9	26.68	NHPIS (dBm)	-106.87
MAX (dBm)	32.89	32.54	32.81	RSSI Ave	46.11	MAX (dBm)	31.8	31.89	31.84	RSSI Ave	49.47
EIRP peak	32.89	32.54	32.81	MaxPosRSS	49.25	EIRP peak	31.8	31.89	31.84	MaxPosRSS	52.63
Min (dBm)	22.32	21.34	19.15	MaxPosSer	-108.85	Min (dBm)	20.61	22.29	22.37	MaxPosSer	-110.03
Test Result	WCDMA_I TRP			Test Result	CDMA_I TIS	Test Result	WCDMA_II TRP			Test Result	CDMA_II TIS
	9612	9750	9888		10700		9262	9400	9538		9800
Frequency	1922.4	1950	1977.599	Frequency	2140	Frequency	1852.4	1880	1907.599	Frequency	1960
TRP (dBm)	23.72	23.57	23.48	TIS (dBm)	-104.56	TRP (dBm)	22.13	22.42	22.29	TIS (dBm)	-111.2
NHPRP (dBm)	23.72	23.57	23.48	NHPIS (dBm)	-104.56	NHPRP (dBm)	22.13	22.42	22.29	NHPIS (dBm)	-111.2
MAX (dBm)	28.93	28.23	28.19	MAX (dBm)	-108.58	MAX (dBm)	27.59	27.73	27.64	MAX (dBm)	-116.07
EIRP peak	28.93	28.23	28.19	EIS peak	-108.58	EIRP peak	27.59	27.73	27.64	EIS peak	-116.07
Min (dBm)	0.54	8.48	9.67	Min (dBm)	-90.12	Min (dBm)	10.76	14.61	15.01	Min (dBm)	-106.32
Test Result	WCDMA_V TRP			Test Result	CDMA_V TIS	Test Result	WCDMA_VIII TRP			Test Result	CDMA_VIII TIS
	4132	4185	4233		4410		2712	2788	2863		3013
Frequency	826.4	837	846.599	Frequency	882	Frequency	882.4	897.599	912.599	Frequency	942.599
TRP (dBm)	18.36	18.44	18.46	TIS (dBm)	-104.52	TRP (dBm)	18.31	18.01	17.88	TIS (dBm)	-106.03
NHPRP (dBm)	18.36	18.44	18.46	NHPIS (dBm)	-104.52	NHPRP (dBm)	18.31	18.01	17.88	NHPIS (dBm)	-106.03
MAX (dBm)	23.07	23.54	23.82	MAX (dBm)	-111.53	MAX (dBm)	24.82	24.84	24.55	MAX (dBm)	-111.14
EIRP peak	23.07	23.54	23.82	EIS peak	-111.53	EIRP peak	24.82	24.84	24.55	EIS peak	-111.14
Min (dBm)	11.12	10.7	10.16	Min (dBm)	-96.02	Min (dBm)	10.42	10.63	10.73	Min (dBm)	-99.14

3. Mechanical Specification

3-1-1 Mechanical Configuration

3-2 Measurement Data

3-3 Salt-Spray test

35°C, 85%RH, 48Hours(According to MIL-STD-810E)The salt-spray is generated from a 5% salt solution., The VSWR, Gain, Radiation Pattern must be met specifications after the salt-spray test.

4. Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: +70 ±2°C 2.Humidity: 90~95%RH 3.Time: 48hrs	No material deformation is allowed.
4-2	Low Temperature/Humidity Storage Test(non operating)	1.Temperature: -30±2°C 2.Humidity: 0%RH 3.Time: 48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.

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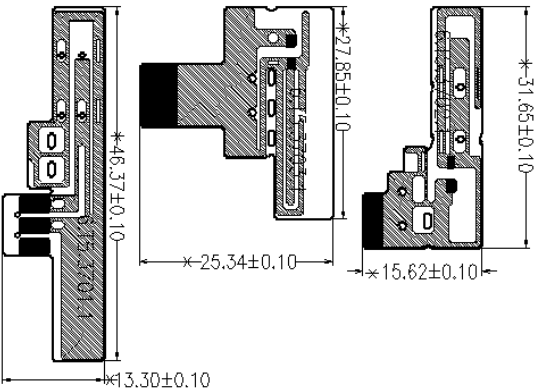
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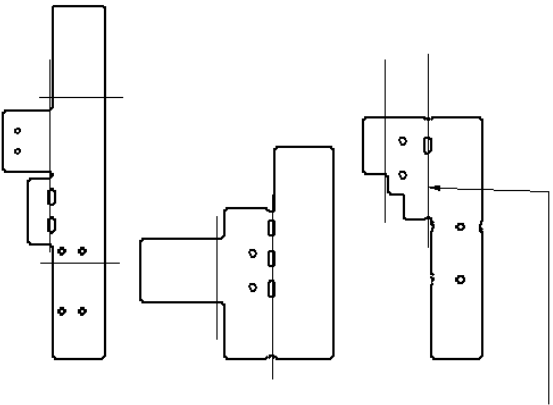
- Copper Foil
- Gold-Plating
- Double Side Tape

1/2MIL
According to Dimension Tolerance

Release Paper Cut position



Side A (Copper Lined)



Side B Tape

- Remark:
- 1. The size in the drawing is the product size,Mark"*"is important size (Should control tooling in level B) , other size refer level C; IQC check all the sizes.
 - 2. Make sure oil covered well without copper.
 - 3. Cut the product smoothly , make sure not cut the inner circuit.
 - 4. Make sure the product well packed, no any damaged.
 - 5. Product shouldn't be changed without confirmation from customer.

Tolerance		Made		Date		Unit		Version		Ratio		P/N	
5 UNID	±0.04			2026.3.25		mm		A1		1:1			
5-10	±0.05	RF		Date:			Material	PTC				Part	1/1
10-35	±0.07			Date:									
35-50	±0.08	Verified		Date:									
50-100	±0.09			Date:									
PBB	≤1000	Approved		Date:			Paper Test	A4					
PBDE	≤1000												