

Manufacturer	CHENGDU ASHINING TECHNOLOGY CO.,LTD.
Address	2F, 5F, Chengdu Intelligent Information Industrial Park, No. 898 Bacao Road, Hi-Tech Zone (West), Chengdu, China

Gain(MAX)	1.01(dbi)
Efficiency	53%
Model	AS01-ML01DP6
Size	14mm x 6mm

Product Type	Pcb antenna
Frequency	2400MHz~ 2525MHz
Test Frequency	2400MHz, 2401MHz, 2402MHz, 2403MHz, 2404MHz, 2405MHz, 2406MHz, 2407MHz, 2408MHz, 2409MHz, 2410MHz, 2411MHz, 2412MHz, 2413MHz, 2414MHz, 2415MHz, 2416MHz, 2417MHz, 2418MHz, 2419MHz, 2420MHz, 2421MHz, 2422MHz, 2423MHz, 2424MHz, 2425MHz, 2426MHz, 2427MHz, 2428MHz, 2429MHz, 2430MHz, 2431MHz, 2432MHz, 2433MHz, 2434MHz, 2435MHz, 2436MHz, 2437MHz, 2438MHz, 2439MHz, 2440MHz, 2441MHz, 2442MHz, 2443MHz, 2444MHz, 2445MHz, 2446MHz, 2447MHz, 2448MHz, 2449MHz, 2450MHz, 2451MHz, 2452MHz, 2453MHz, 2454MHz, 2455MHz, 2456MHz, 2457MHz, 2458MHz, 2459MHz, 2460MHz, 2461MHz, 2462MHz, 2463MHz, 2464MHz, 2465MHz, 2466MHz, 2467MHz, 2468MHz, 2469MHz, 2470MHz, 2471MHz, 2472MHz, 2473MHz, 2474MHz, 2475MHz, 2476MHz, 2477MHz,

Test Frequency	2478MHz, 2479MHz, 2480MHz, 2481MHz, 2482MHz, 2483MHz, 2484MHz, 2485MHz, 2486MHz, 2487MHz, 2488MHz, 2489MHz, 2490MHz, 2491MHz, 2492MHz, 2493MHz, 2494MHz, 2495MHz, 2496MHz, 2497MHz, 2498MHz, 2499MHz, 2500MHz, 2501MHz, 2502MHz, 2503MHz, 2504MHz, 2505MHz, 2506MHz, 2507MHz, 2508MHz, 2509MHz, 2510MHz, 2511MHz, 2512MHz, 2513MHz, 2514MHz, 2515MHz, 2516MHz, 2517MHz, 2518MHz, 2519MHz, 2520MHz, 2521MHz, 2522MHz, 2523MHz, 2524MHz, 2525MHz
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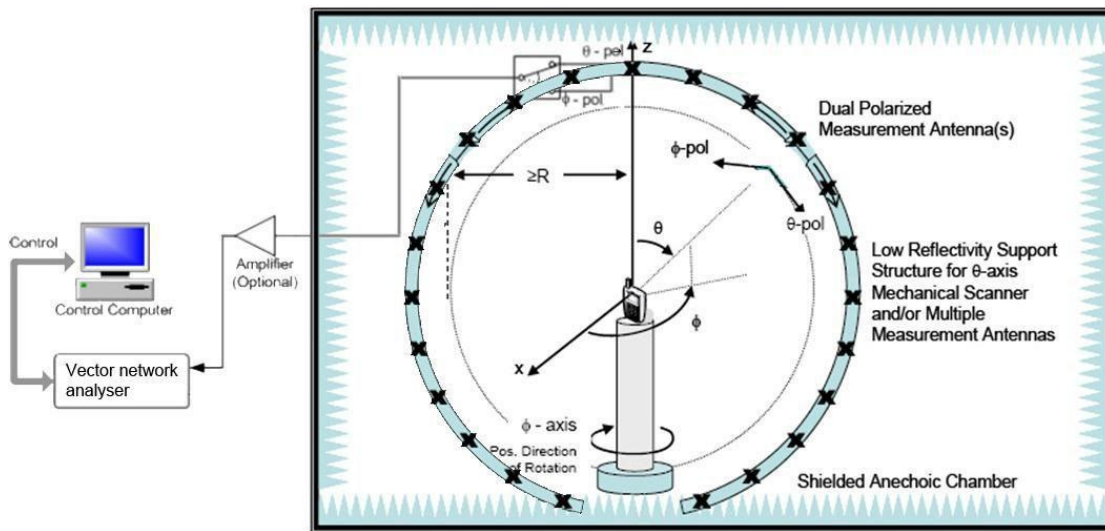
Test environment

Environmental parameters				
	pressure	temperature	voltage	humidity
NTNV	100 - 102 KPa	19°C - 25°C	N/A	45% - 55%

Instrument list

instrumentation	manufacturer	models	serial	calibration date	Calibration expiration date
network analyzer	Agilent	E5071C	MY46103472	2018.03.14	2019.03.13
5*5*5 plenum	SATIMO	5*5*5	CN-1307-555	2016.09.28	2018.09.27
SG24 Antenna measurement systems	SATIMO	SG24-L	1101855-0001	2016.12.09	2018.12.08

Test Layout



Gain& Efficiency

Frequency	Gain (dBi)	Efficiency (%)
2400MHz	1.01	53
2401MHz	0.97	52
2402MHz	0.94	52
2403MHz	0.90	51
2404MHz	0.84	51
2405MHz	0.79	50
2406MHz	0.74	50
2407MHz	0.70	49
2408MHz	0.67	49
2409MHz	0.65	49
2410MHz	0.62	49
2411MHz	0.58	48

2412MHz	0.53	48
2413MHz	0.49	47
2414MHz	0.46	47
2415MHz	0.44	47
2416MHz	0.43	46
2417MHz	0.42	46
2418MHz	0.42	46
2419MHz	0.43	46
2420MHz	0.42	46
2421MHz	0.44	46
2422MHz	0.44	46
2423MHz	0.44	46
2424MHz	0.44	46
2425MHz	0.46	46
2426MHz	0.48	46
2427MHz	0.50	46
2428MHz	0.52	46
2429MHz	0.51	45
2430MHz	0.48	45
2431MHz	0.40	45
2432MHz	0.32	44
2433MHz	0.24	44
2434MHz	0.17	43
2435MHz	0.09	43
2436MHz	0.01	42
2437MHz	-0.09	41
2438MHz	-0.20	40

2439MHz	-0.30	40
2440MHz	-0.39	39
2441MHz	-0.44	39
2442MHz	-0.47	38
2443MHz	-0.52	38
2444MHz	-0.58	38
2445MHz	-0.62	37
2446MHz	-0.67	37
2447MHz	-0.69	36
2448MHz	-0.71	36
2449MHz	-0.72	36
2450MHz	-0.73	36
2451MHz	-0.75	36

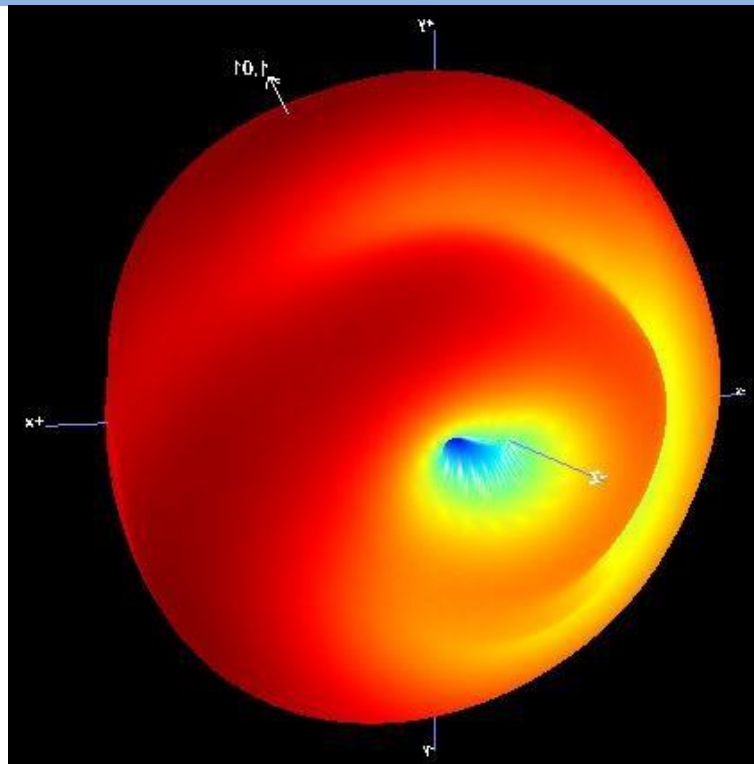
2452MHz	-0.79	35
2453MHz	-0.83	35
2454MHz	-0.87	35
2455MHz	-0.91	35
2456MHz	-0.95	35
2457MHz	-0.98	34
2458MHz	-1.00	34
2459MHz	-1.03	34
2460MHz	-1.06	34
2461MHz	-1.08	34
2462MHz	-1.11	34
2463MHz	-1.14	34
2464MHz	-1.16	34
2465MHz	-1.16	34
2466MHz	-1.15	34
2467MHz	-1.14	34
2468MHz	-1.13	34
2469MHz	-1.15	34
2470MHz	-1.17	34
2471MHz	-1.22	33
2472MHz	-1.26	33
2473MHz	-1.28	33
2474MHz	-1.29	33
2475MHz	-1.31	33
2476MHz	-1.34	33
2477MHz	-1.39	33
2478MHz	-1.44	32
2479MHz	-1.50	32
2480MHz	-1.53	32
2481MHz	-1.55	32
2482MHz	-1.58	31

2483MHz	-1.61	31
2484MHz	-1.65	31
2485MHz	-1.69	31
2486MHz	-1.72	30
2487MHz	-1.74	30
2488MHz	-1.77	30
2489MHz	-1.80	30
2490MHz	-1.83	30
2491MHz	-1.85	30

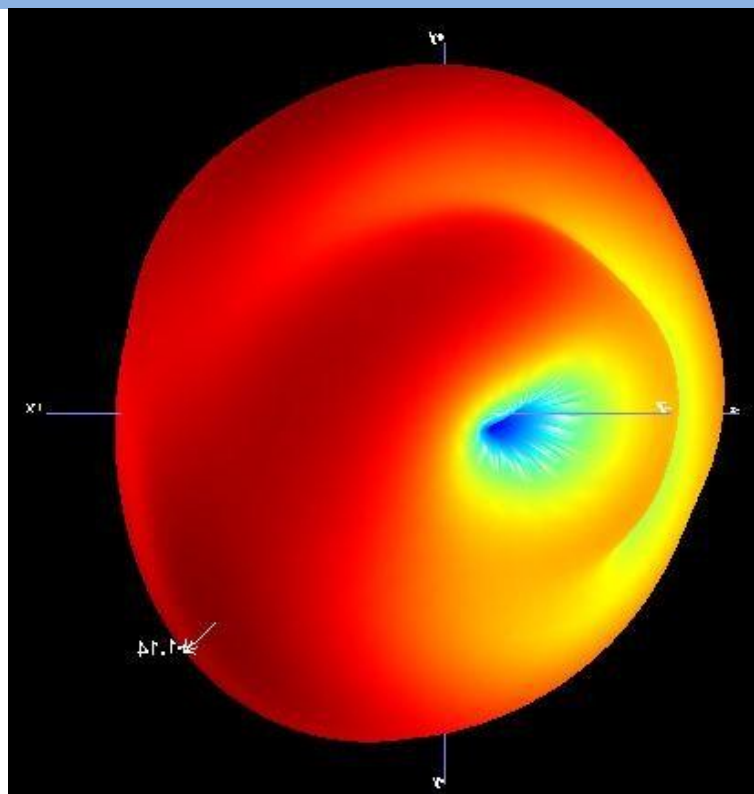
2492MHz	-1.86	29
2493MHz	-1.88	29
2494MHz	-1.91	29
2495MHz	-1.94	29
2496MHz	-1.98	28
2497MHz	-2.01	28
2498MHz	-2.03	28
2499MHz	-2.05	28
2500MHz	-2.06	28
2501MHz	-2.08	27
2502MHz	-2.12	27
2503MHz	-2.16	27
2504MHz	-2.20	27
2505MHz	-2.23	26
2506MHz	-2.24	26
2507MHz	-2.22	26
2508MHz	-2.19	26
2509MHz	-2.19	26
2510MHz	-2.20	26
2511MHz	-2.25	26
2512MHz	-2.30	26
2513MHz	-2.34	25
2514MHz	-2.35	25
2515MHz	-2.36	25
2516MHz	-2.37	25
2517MHz	-2.39	25
2518MHz	-2.42	25
2519MHz	-2.47	25
2520MHz	-2.51	25
2521MHz	-2.55	24
2522MHz	-2.58	24
2523MHz	-2.59	24
2524MHz	-2.62	24
2525MHz	-2.64	24

Radiation

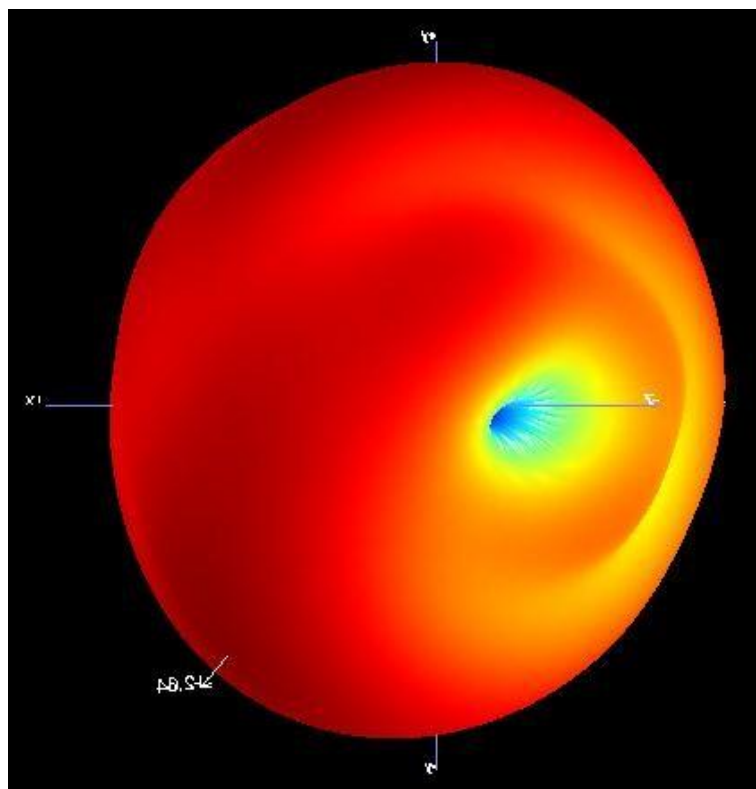
B.1.1 2400MHz



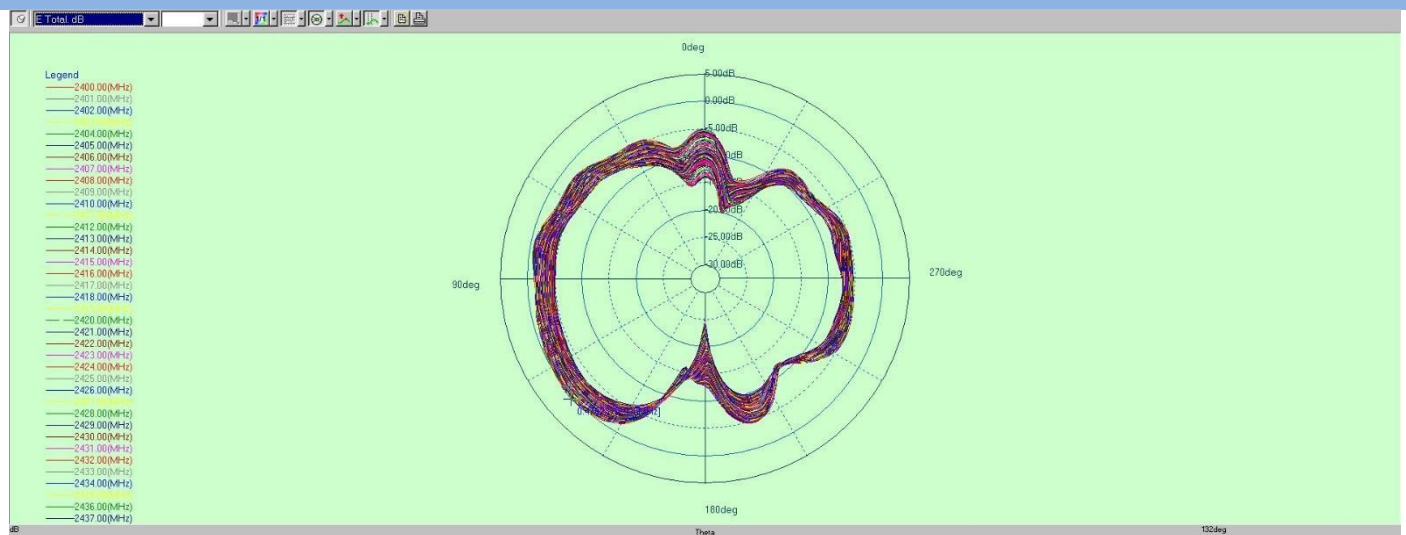
B.1.2 2463MHz



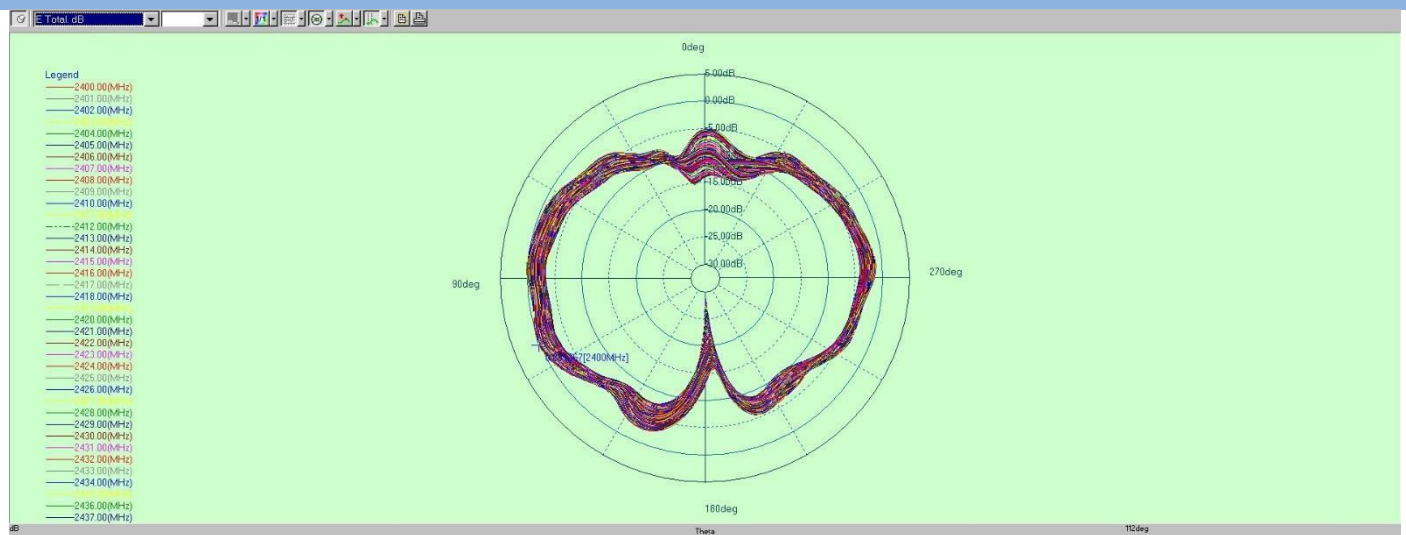
B.1.3 2525MHz



B.2.1 PHI=0



B.2.2 PHI=90



B.2.3 THETA=90

