



品名：66BD-WIFI-V1.0

History List

[illegible]

66BD- WIFI-V1.0 Specification

1. Explanation of part number :

66BD – **WIFI** – **V1.0**
(1) **(2)** **(3)**

(1) Model Name : 66BD

(2) Frequency : 2400-2500MHz, 5150-5850MHz

(3) Suffix :V1.0

2. Electrical Specification :

2-1. Frequency Band:

Frequency Band	MHz
2.4G WIFI, 5G WIFI	2400-2500MHz, 5150-5850MHz

2-2. Impedance

50 ohm nominal

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=±2 X.X=±0.1 X.XX=±0.05

ANGLES = $\pm$

HOLEDIA = ±

Demam

上海德门电子科技有限公司

Shanghai Deman Electronics Technology co., LTD

SCALE:

UNIT: mm

DRAWN BY:

CHECKED BY:

DESIGNED BY: 李进柱

APPROVED BY:

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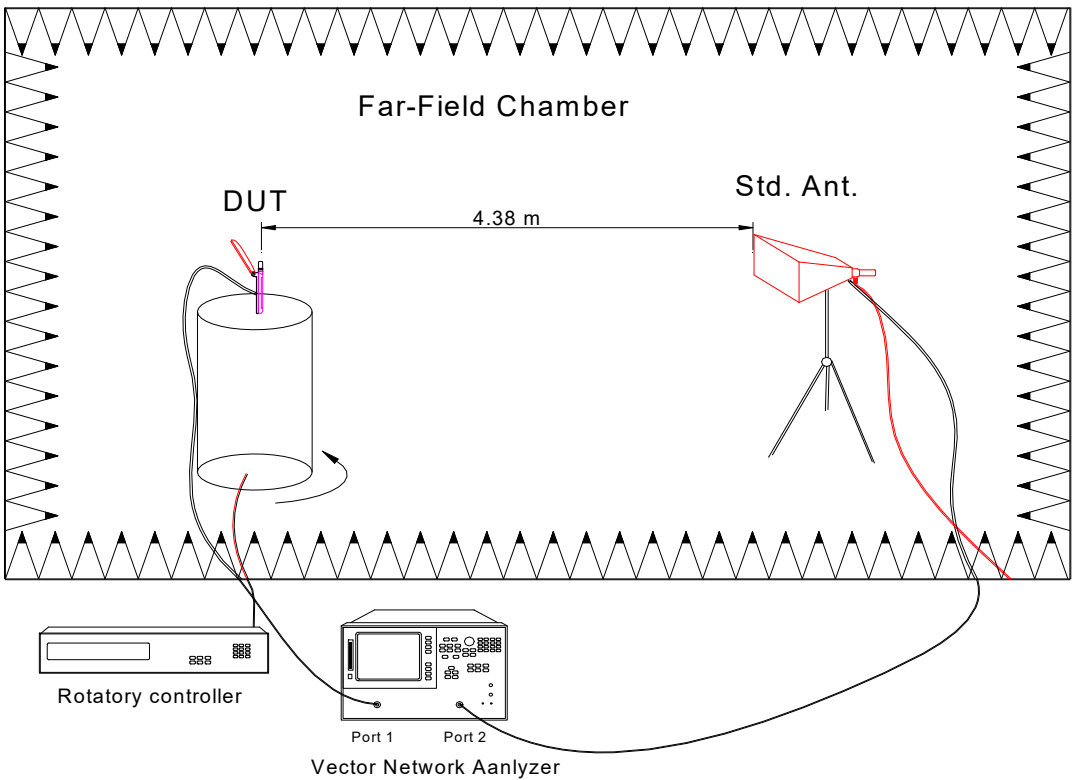
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2-4. Measure and Chamber

2-4-1 Measure method

- 1. Using a low loss coaxial cable to link a standard handset jig
- 2. Fixed this handset jig on chamber's rotator plane
- 3. Linking jig into network analyzer port and using a probing horn antenna to collect data.
- 4. Using another standard gain horn antenna to calibrated those data

2-4-2 Chamber definition



- 1. An anechoic chamber (8mx4mx3.5m) which satisfied far-field condition was applied to avoid multi-path effect
- 2. The quite room region is 40cmx40cmx40cm at the center of rotator
- 3. The distance between DUT and standard antenna is 4.38 m
- 4. Probing antenna (9120D horn antenna) and standard gain horn antenna (BBHA9120 LPF 600MHz ~6GHz)

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2-4-3 Antenna Efficiency

2.4G WIFI				5G WIFI			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-2.74	-7.99	15.89	5140	-1.70	-7.65	17.18
2410	-2.55	-7.83	16.48	5160	-1.68	-7.56	17.54
2420	-2.40	-7.69	17.02	5180	-1.92	-7.77	16.71
2430	-2.72	-7.98	15.92	5200	-2.38	-8.21	15.10
2440	-3.37	-8.66	13.61	5220	-2.14	-7.92	16.14
2450	-4.46	-9.67	10.79	5240	-2.12	-7.83	16.48
2460	-4.83	-10	10.00	5260	-1.74	-7.32	18.54
2470	-4.38	-9.46	11.32	5280	-1.61	-7.18	19.14
2480	-4.40	-9.39	11.51	5300	-1.44	-7.04	19.77
2490	-4.96	-9.87	10.30	5320	-0.97	-6.62	21.78
2500	-7.30	-12.11	6.15	5340	-0.83	-6.5	22.39
				5360	-0.94	-6.69	21.43
				5380	-0.93	-6.73	21.23
				5400	-1.58	-7.36	18.37
				5420	-1.93	-7.65	17.18
				5440	-1.68	-7.4	18.20
				5460	-2.27	-7.9	16.22
				5480	-1.92	-7.48	17.86
				5500	-2.45	-7.98	15.92
				5520	-2.54	-8.06	15.63
				5540	-2.36	-7.88	16.29
				5560	-3.02	-8.44	14.32
				5580	-3.24	-8.67	13.58
				5600	-3.71	-9.12	12.25
				5620	-4.18	-9.56	11.07
				5640	-3.83	-9.17	12.11
				5660	-4.18	-9.48	11.27
				5680	-3.86	-9.13	12.22
				5700	-4.45	-9.6	10.96
				5720	-5.46	-10.55	8.81
				5740	-5.32	-10.42	9.08
				5760	-6.04	-11.06	7.83
				5780	-6.66	-11.72	6.73
				5800	-6.68	-11.74	6.70
				5820	-6.79	-11.95	6.38
				5840	-5.79	-10.96	8.02
				5860	-5.97	-11.12	7.73

UNLESS OTHER SPECIFIED TOLERANCES ON:

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ANGLES=±

HOLEDIA=±



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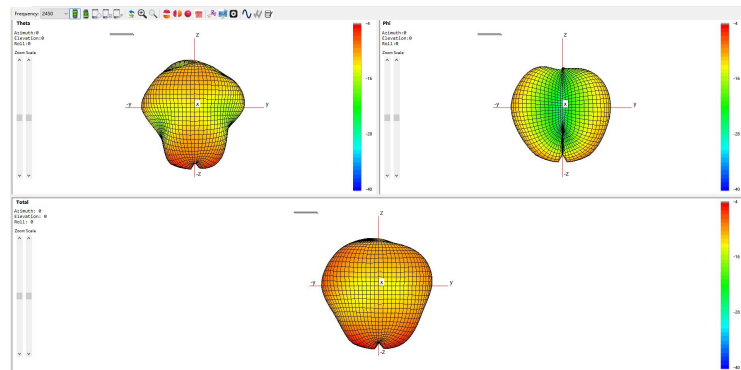
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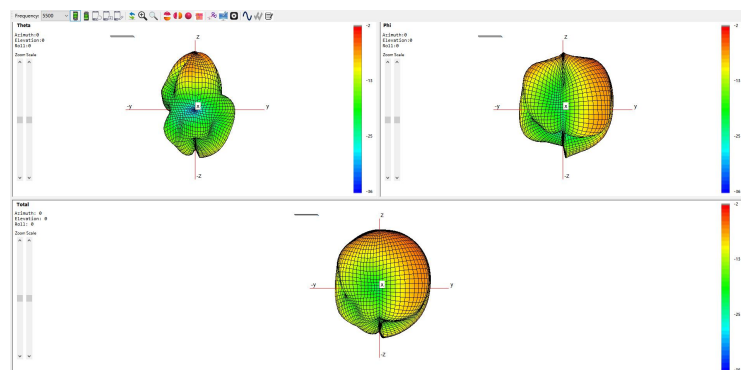
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3. 3D Radiation Pattern

2.4G WIFI [2450MHz]



5G WIFI [5500MHz]



4. Antenna Dimensions:

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