

CE2512 Antenna Datasheet

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Revision history

Version	Change notes	Modifier	Date
V1.0		Xavier.zhou	

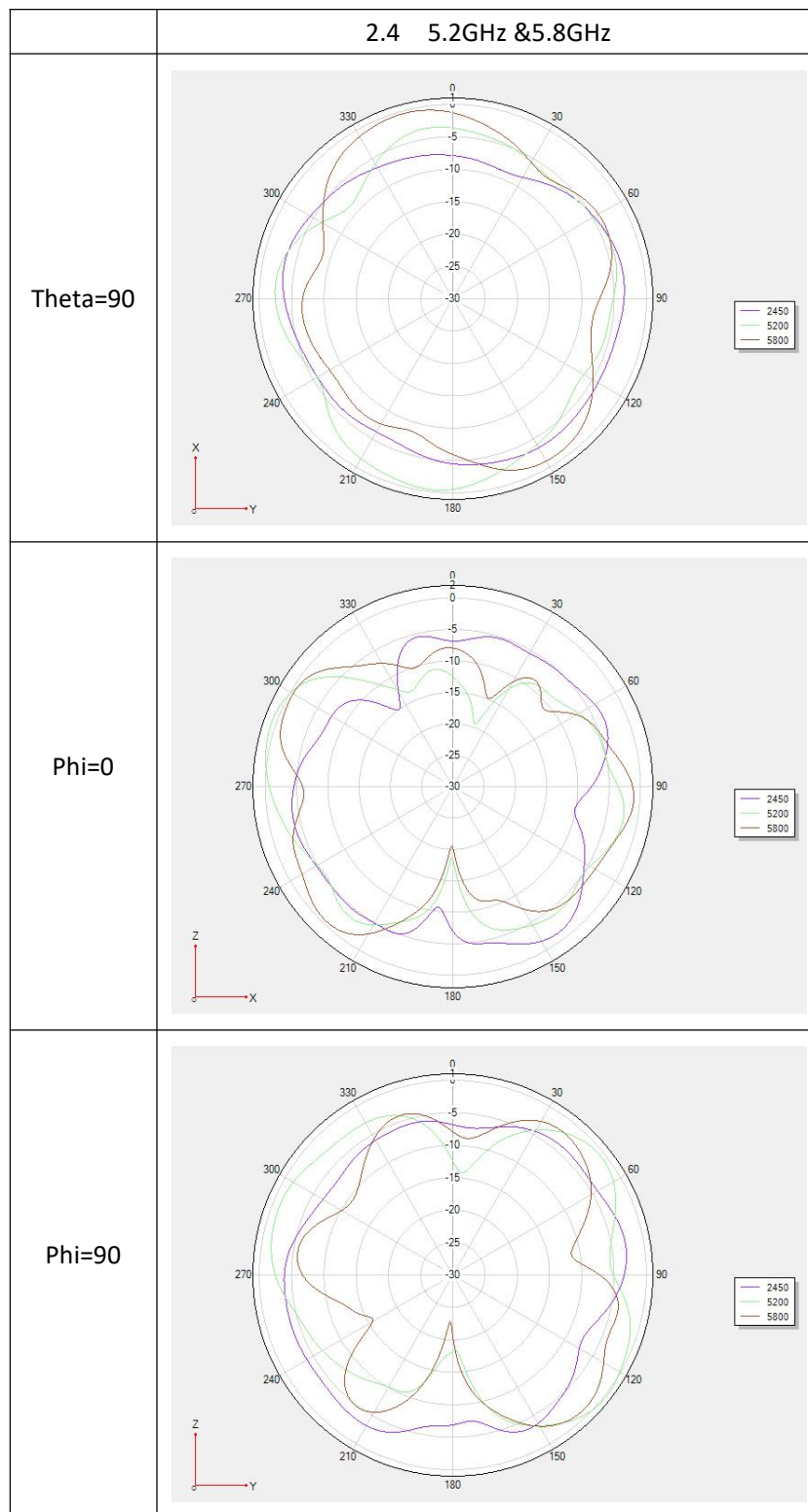
1 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	WIFI-BT-mic Antenna		
2	Brand			
3	Operation Frequency	2.40~2.483GHz; 5.15~5.25GHz 5.725~5.875GHz		
4	Connector Type			
5	Impedance	50ohm		
6	Gain	-0.7dBi@2.40~2.483GHz 1.0dBi@5.15~5.25GHz 1.5dBi@5.725~5.875GHz		
7	Efficiency	$\geq 35\%$		
8	VSWR	≤ 3		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			

2 Gain & Efficiency

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	32.21	-2.17
2410	32.96	-1.73
2420	34.36	-1.41
2430	34.75	-1.31
2440	34.91	-1.21
2450	36.56	-0.93
2460	38.11	-0.72
2470	38.46	-0.68
2480	38.37	-0.78
2490	38.73	-0.73
2500	41.02	-0.38
5150	33.42	1.08
5160	34.83	1.12
5170	36.64	1.37
5180	37.67	1.5
5190	36.06	1.3
5200	34.43	0.98
5210	35.16	1.13
5220	35.48	1.02
5230	34.43	0.87
5240	35.48	1.06
5250	36.39	1
5730	33.65	0.07
5740	34.12	0.47
5750	35.08	0.66
5760	37.24	0.81
5770	37.41	0.63
5780	38.73	0.76
5790	40.74	0.9
5800	42.36	1.23
5810	43.15	1.3
5820	43.35	1.27
5830	43.15	1.5
5840	43.85	1.75
5850	47.42	1.80

3 radiation pattern



4 Structure drawing

