



MSWB2213

Antenna Specifications V1.0

Revision History

Revision	Description	Release Date
V1.0	MSWB2213 Antenna Specifications initial version	2022/9/14

Proprietary Statement:

Shenzhen MoreSense Technology Co., Ltd.

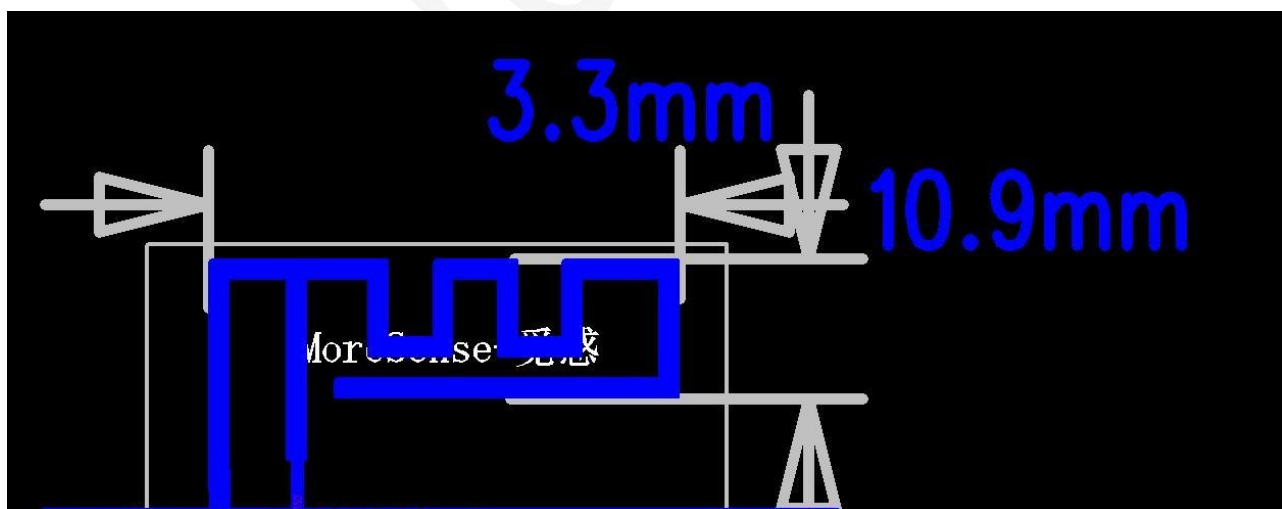
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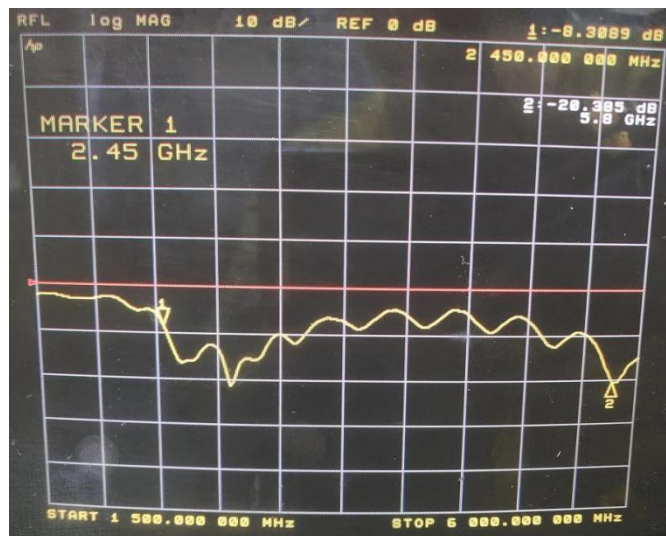
1 Technical Index

Frequency Range (MHz)	2400-2500MHz
Gain (dBi)	2400-2500MHz@ 1.5dBi
VSWR/50 Ohms	≤ 2.0
Impedance	50 Ω
Operating temperature (°C)	-30~+70

2 Drawing

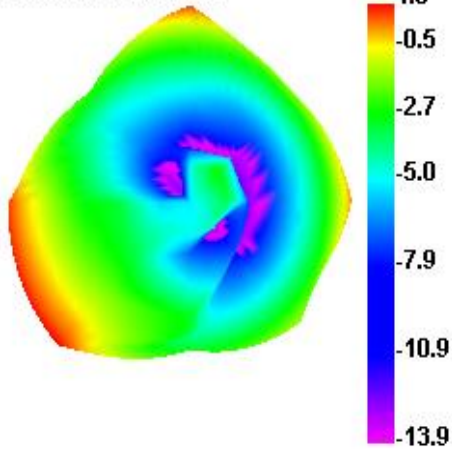


3 Antenna test data

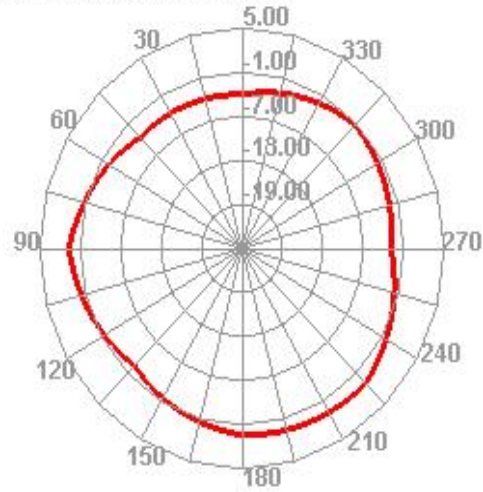


Passive Test For 2.4-2.5										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	49.68	-3.04	0.82	-1.17	22.286	27.395	0.98	-13.9	52.37	52.23
2410	51.95	-2.84	1.02	-0.97	22.868	29.08	1.18	-14.95	52.41	52.42
2420	56.09	-2.51	1.12	-0.65	24.448	31.646	1.5	-15.23	52.3	52.37
2430	56.4	-2.49	1.39	-0.49	24.582	31.816	1.66	-16.34	52.45	52.24
2440	56.86	-2.45	1.50	-0.26	24.888	31.969	1.89	-17.75	52.78	52.53
2450	64.06	-1.93	1.32	0.38	27.933	36.132	2.53	-17.67	52.69	52.47
2460	66.59	-1.77	1.23	0.57	28.804	37.786	2.72	-18.6	52.58	52.47
2470	67.17	-1.73	0.84	0.49	28.784	38.389	2.64	-17.74	52.74	52.55
2480	65.58	-1.83	0.91	0.5	28.153	37.425	2.65	-15.42	52.64	52.47
2490	67.33	-1.72	1.30	0.75	29.176	38.156	2.9	-13.8	52.53	52.35
2500	62.68	-2.03	0.70	0.52	27.373	35.31	2.67	-13.63	52.55	52.28

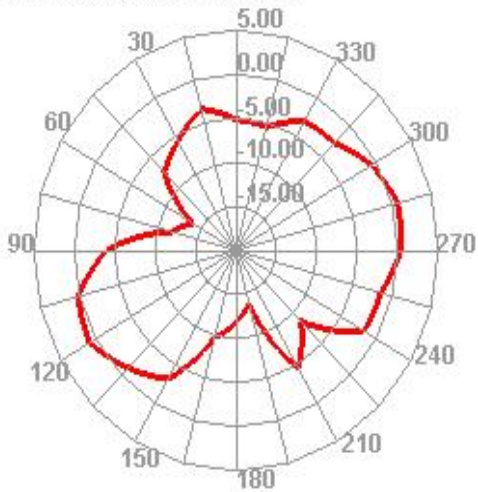
2400.000MHz



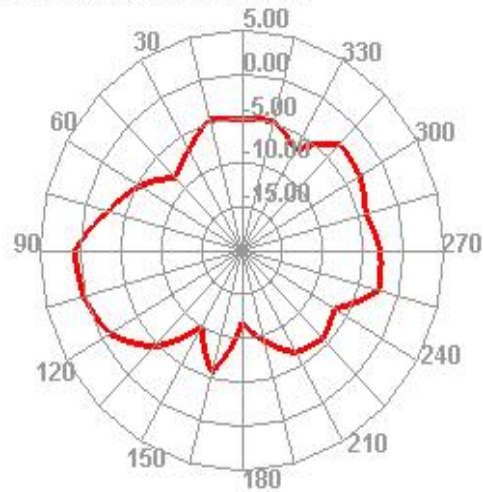
2400.000MHz H



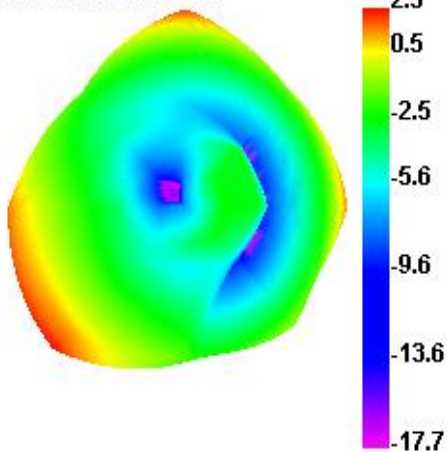
2400.000MHz E1



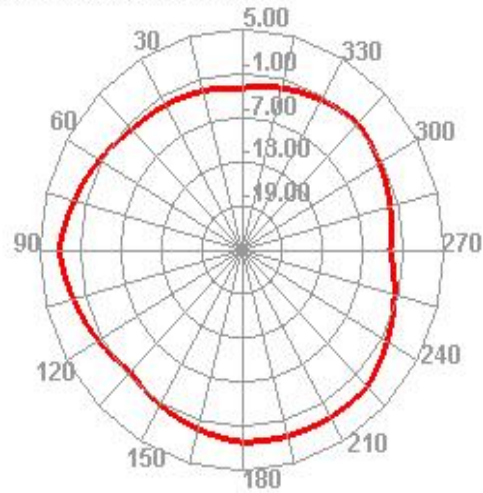
2400.000MHz E2



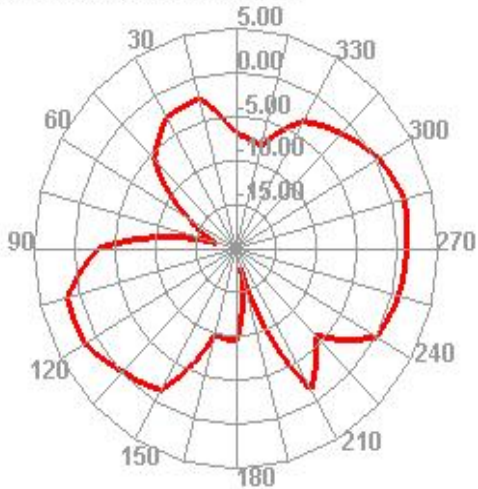
2450.000MHz



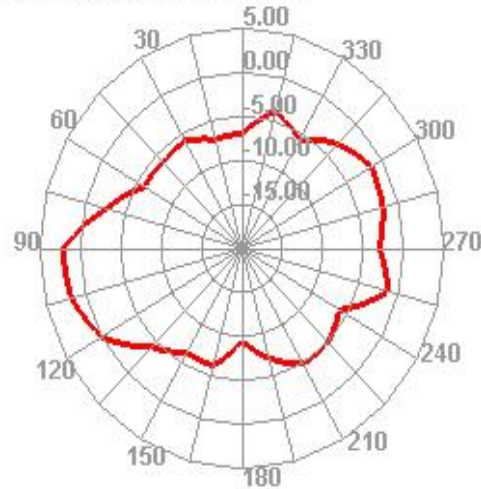
2450.000MHz H



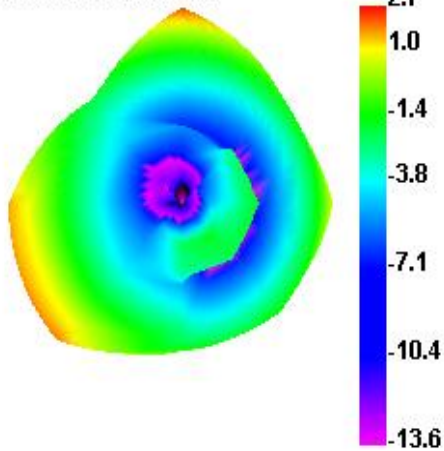
2450.000MHz E1



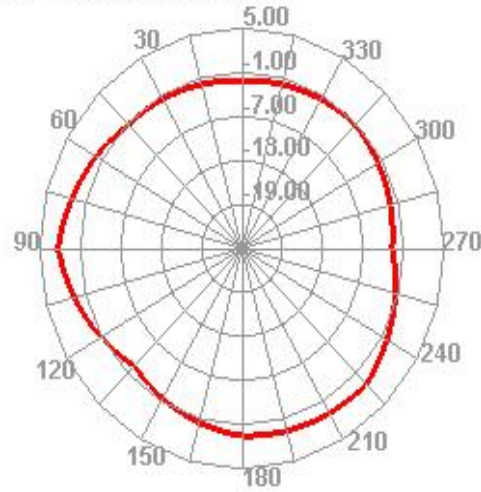
2450.000MHz E2



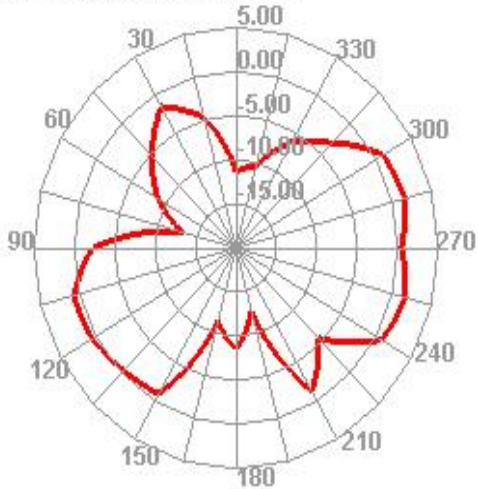
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

