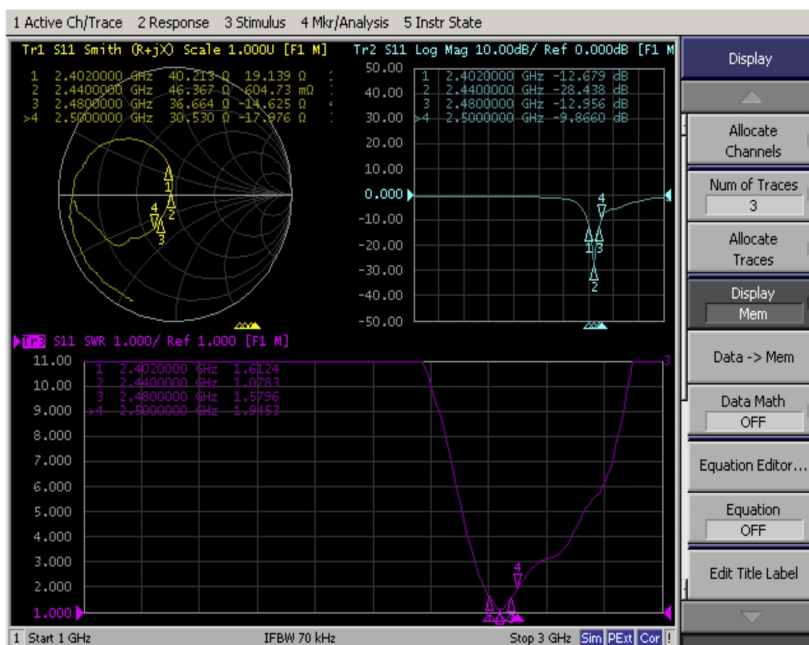


3、Specification of electrical and mechanical properties

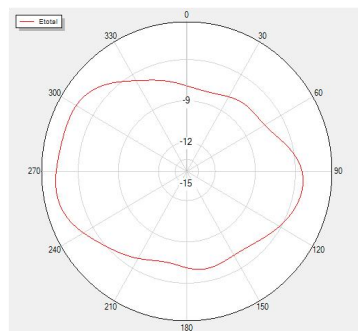
3.2. S11 parameter



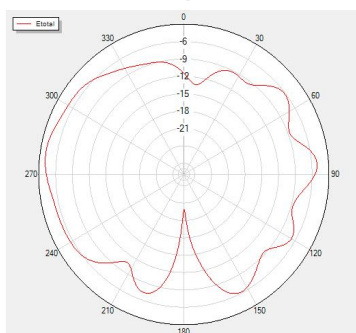
3.3. Passive efficiency

R				
	FS		Head&ear	
	gain(dBi)	efficiency (%)	gain(dBi)	efficiency (%)
2400	-3.43	22.2	-6.51	9.33
2410	-3.4	22.57	-6.39	9.29
2420	-3.4	22.72	-6.27	9.21
2430	-3.38	22.5	-6.13	9.05
2440	-3.31	22.13	-6.02	8.85
2450	-3.14	22.11	-6.87	8.81
2460	-2.9	22.2	-6.7	8.85
2470	-2.67	22.2	-6.53	8.93
2480	-2.52	22.18	-6.38	9.11
2490	-2.47	22.08	-6.22	9.31
2500	-2.47	21.62	-6.1	9.45

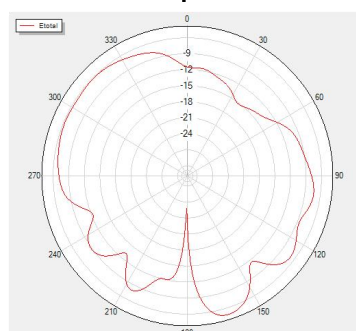
Theta=90 Freq=2440MHz



Phi=90 Freq=2440MHz



Phi=0 Freq=2440MHz



3.4. Active data

R			
	channel	TRP (dbm)	TIS (dbm)
Free space	0	3.3	-88.2
	39	4.6	-89.6
	78	4.3	-89.1
	channel	TRP (dbm)	TIS (dbm)
Second generation head die	0	-0.7	-82.8
	39	-1.9	-83.6
	78	-2.7	-83.8