

深圳市丰禾原电子科技有限公司 SUNITEC ENTERPRISE CO.,LTD.

2020.07.13

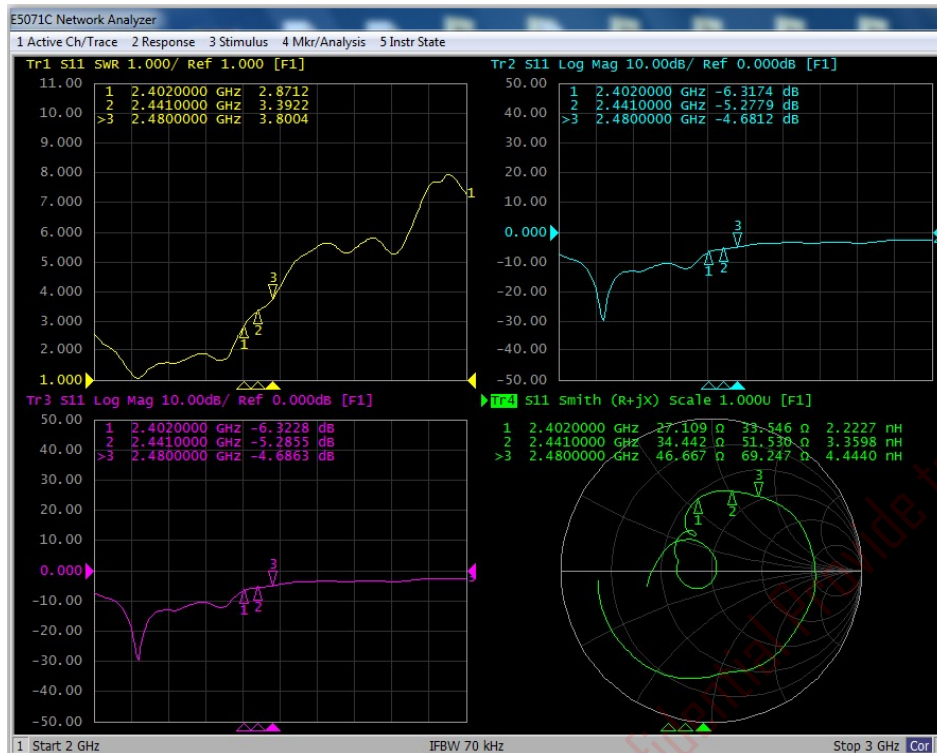
product appearance:



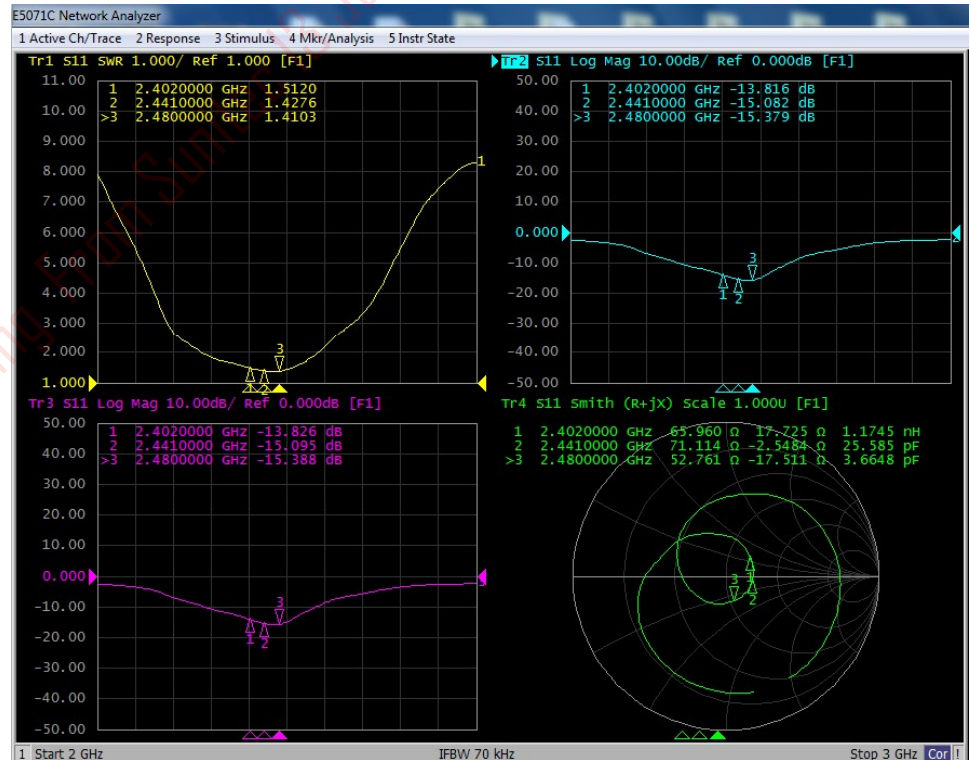


EJ058 RF Test Report

VSWR、Return loss and impedance :



Original Antenna Matching

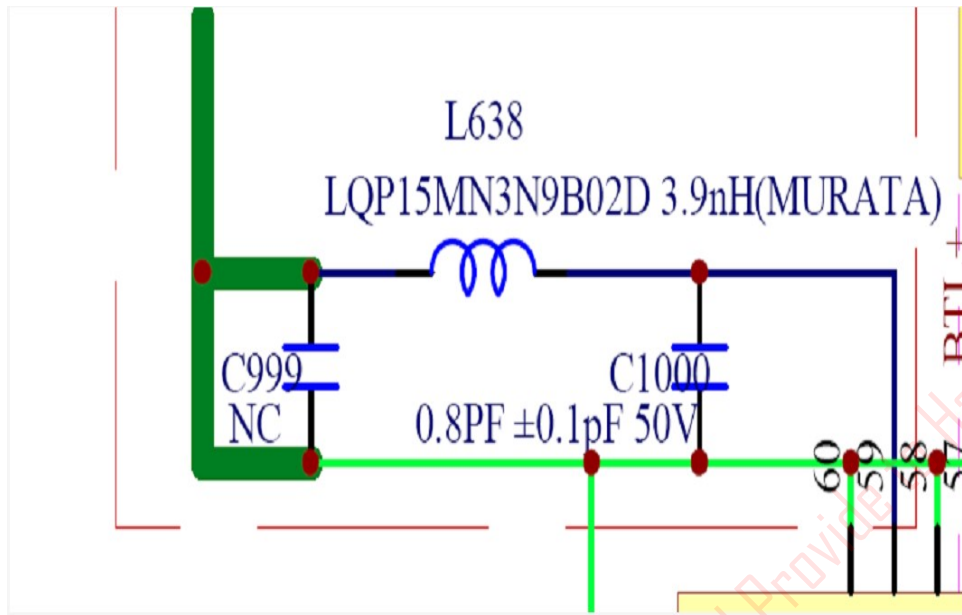


New Antenna Matching



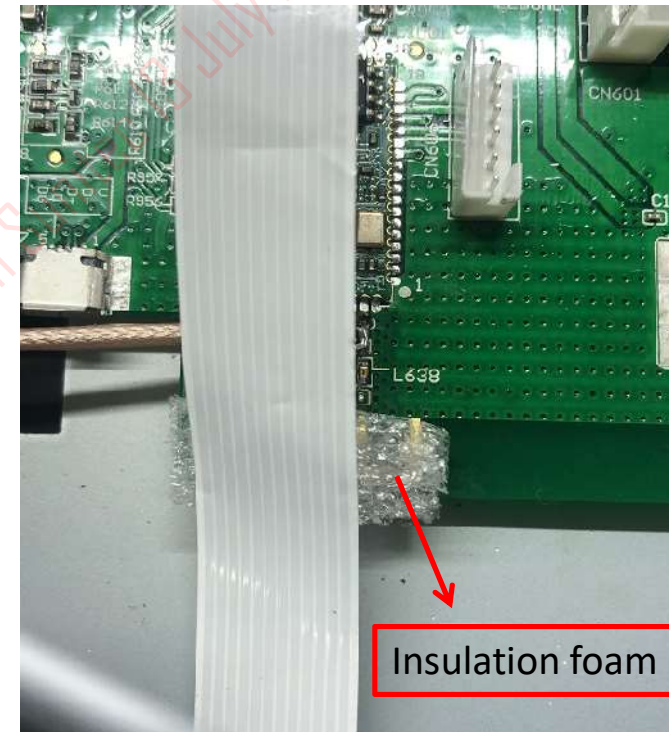
EJ058 RF Test Report

ANT Matching And Environmental change:



C1000: 0.5PF(RF15N0R5B500CT)

L638: 4.7NH(LQP15MN4N73B02)

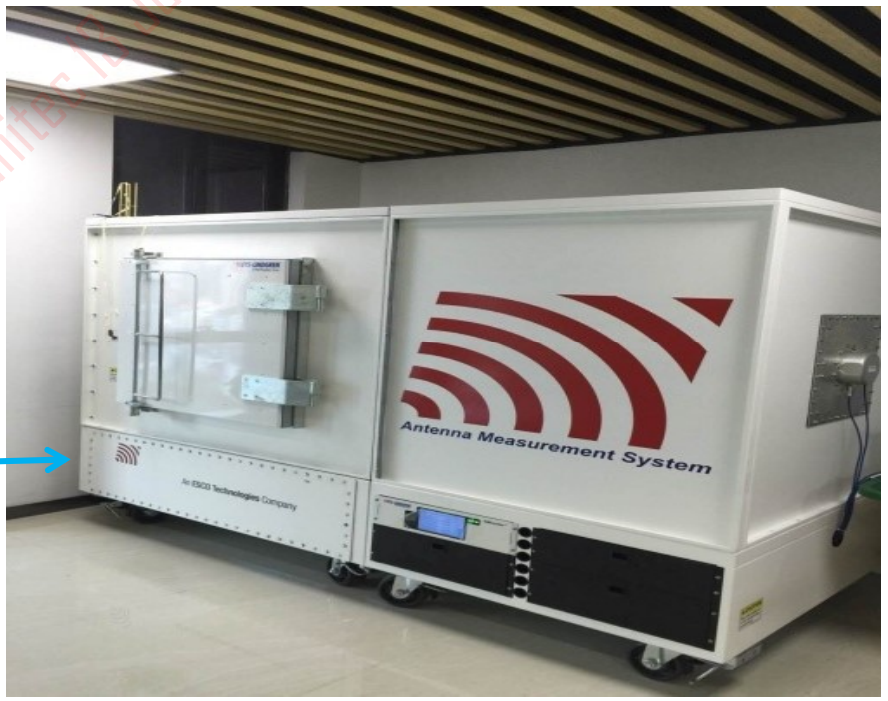
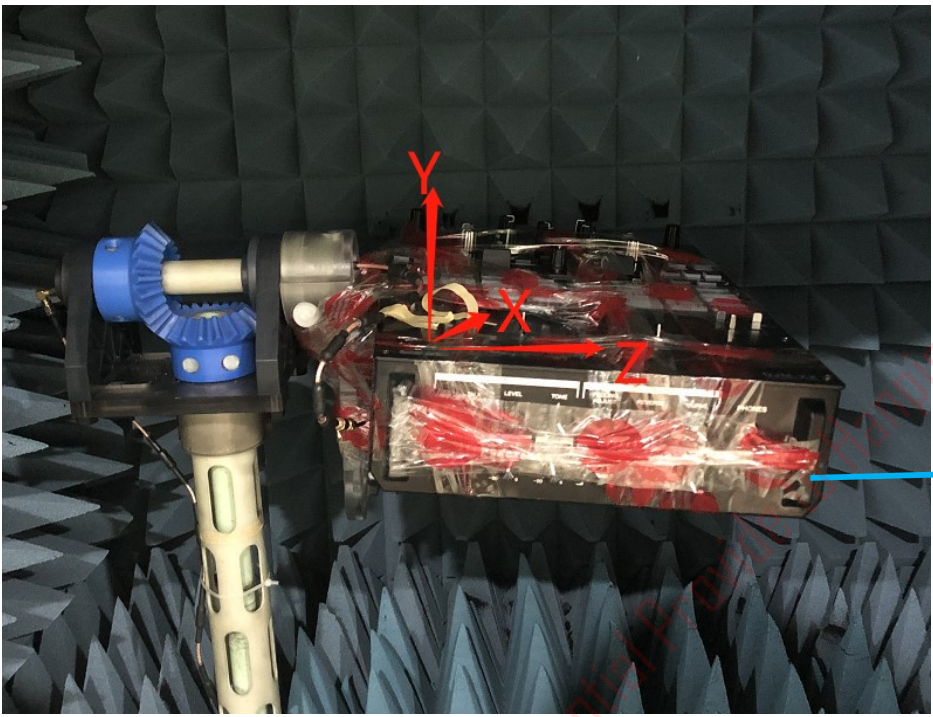


Add the Insulation foam between the antenna and the wire for reduce the effect of wiring on the antenna

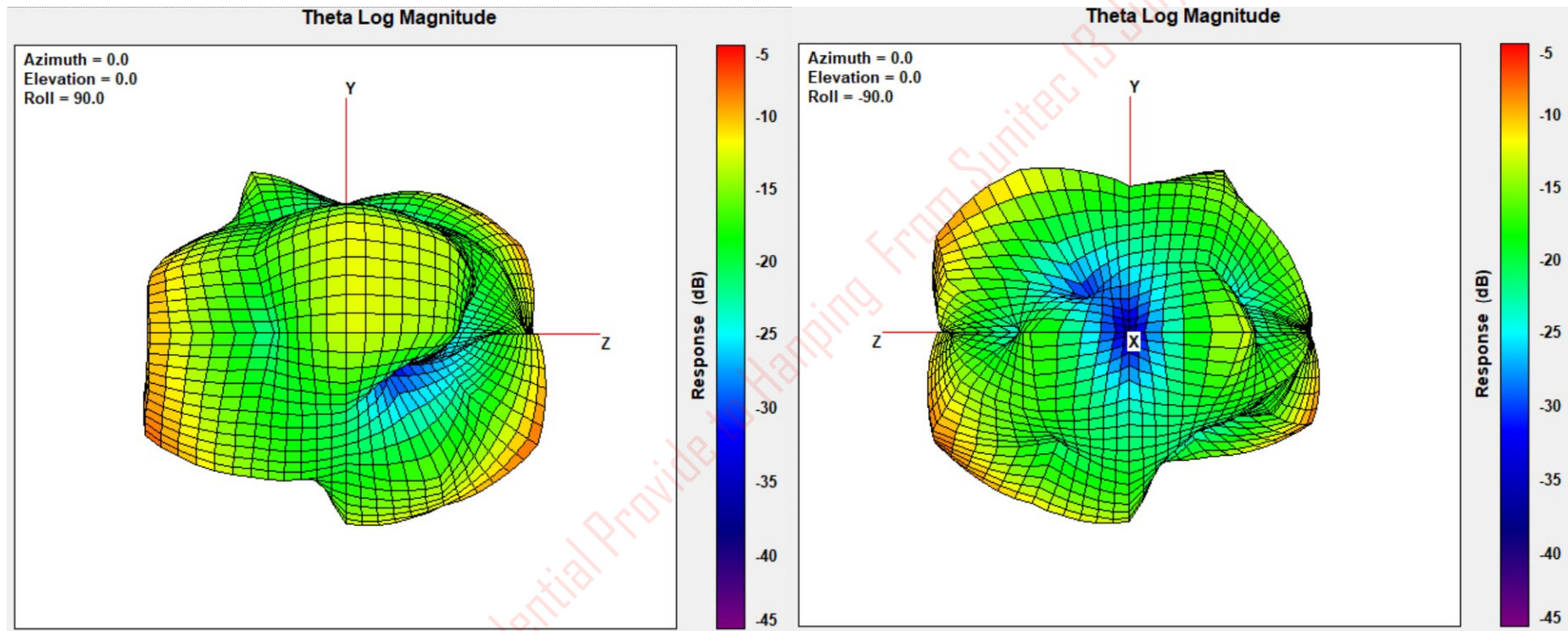


EJ058 RF Test Report

ANT Test Settings:

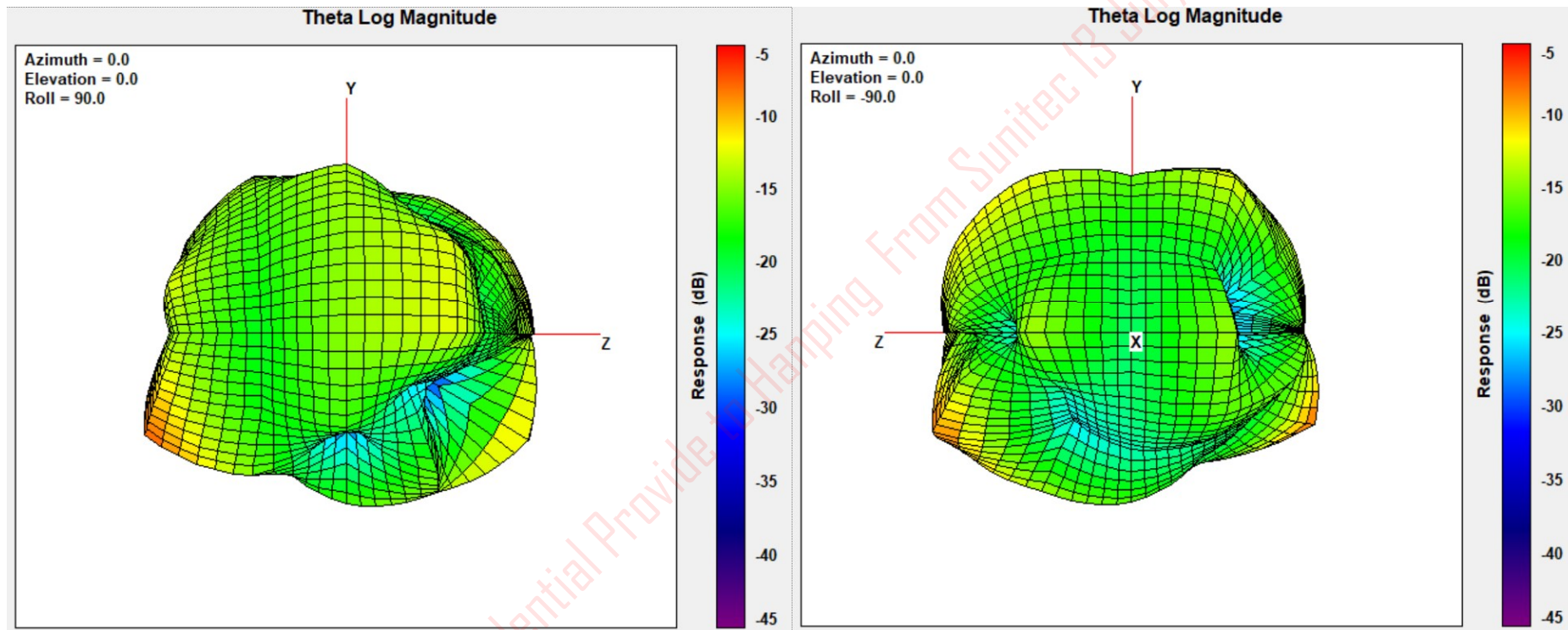


2402MHz ANT 3D Radiation Pattern :



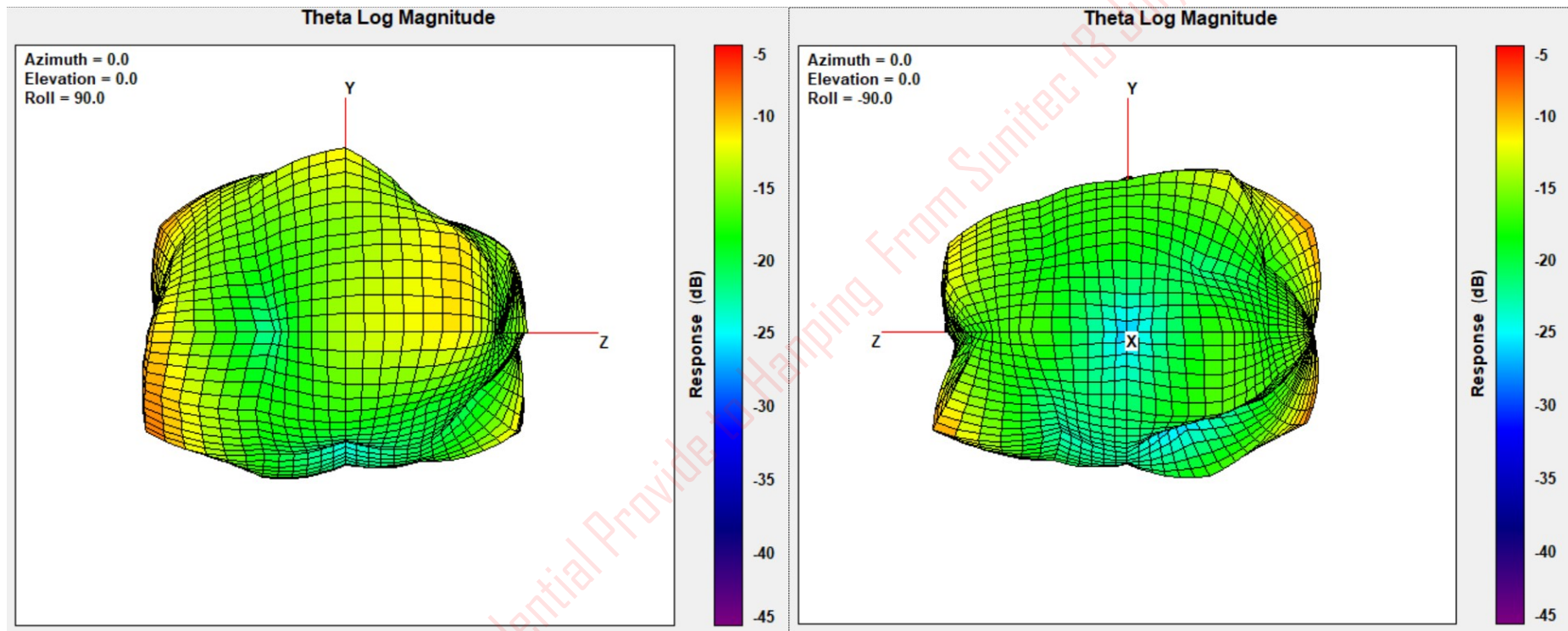
Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2402MHz	6.6%	-6.23

2441MHz ANT 3D Radiation Pattern :



Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2441MHz	7.8%	-6.10

2480MHz ANT 3D Radiation Pattern :



Frequency(MHZ)	Efficiency (%)	Gain (dBi)
2480MHz	10.7%	-5.0



EJ058 RF Test Report

ANT Passive DATA:

Total Attributes	Point Values	Ant. Port Input Pwr. (dBm)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
	Frequency (MHz)							
	2400	0	-11.7992	-6.23227	5.56695	-11.7992	6.60813	-6.23227
	2401	0	-11.7921	-6.20787	5.58418	-11.7921	6.61903	-6.20787
	2402	0	-11.7859	-6.19264	5.59323	-11.7859	6.62847	-6.19264
	2403	0	-11.7777	-6.17319	5.60447	-11.7777	6.64101	-6.17319
	2404	0	-11.7713	-6.15729	5.61402	-11.7713	6.65073	-6.15729
	2405	0	-11.757	-6.13909	5.6179	-11.757	6.6727	-6.13909
	2406	0	-11.7417	-6.1211	5.6206	-11.7417	6.69623	-6.1211
	2407	0	-11.7296	-6.11471	5.61491	-11.7296	6.71488	-6.11471
	2408	0	-11.7208	-6.10695	5.61383	-11.7208	6.72854	-6.10695
	2409	0	-11.7069	-6.11273	5.59422	-11.7069	6.75002	-6.11273
	2410	0	-11.696	-6.13314	5.56289	-11.696	6.76701	-6.13314
	2411	0	-11.6864	-6.14139	5.54505	-11.6864	6.78196	-6.14139
	2412	0	-11.6732	-6.15342	5.51978	-11.6732	6.80267	-6.15342
	2413	0	-11.6566	-6.16066	5.4959	-11.6566	6.82879	-6.16066
	2414	0	-11.637	-6.1616	5.47545	-11.637	6.85955	-6.1616
	2415	0	-11.6211	-6.16232	5.45878	-11.6211	6.88478	-6.16232
	2416	0	-11.6071	-6.1687	5.43842	-11.6071	6.90698	-6.1687
	2417	0	-11.5862	-6.16275	5.4234	-11.5862	6.9404	-6.16275
	2418	0	-11.5677	-6.15551	5.41223	-11.5677	6.96988	-6.15551
	2419	0	-11.5491	-6.16467	5.38445	-11.5491	6.99983	-6.16467
	2420	0	-11.5346	-6.16706	5.36755	-11.5346	7.02327	-6.16706
	2421	0	-11.5196	-6.17226	5.34731	-11.5196	7.04763	-6.17226
	2422	0	-11.506	-6.18453	5.32146	-11.506	7.06971	-6.18453
	2423	0	-11.4919	-6.19772	5.29414	-11.4919	7.09275	-6.19772
	2424	0	-11.4799	-6.22288	5.25705	-11.4799	7.11224	-6.22288
	2425	0	-11.4608	-6.24829	5.21251	-11.4608	7.14365	-6.24829



EJ058 RF Test Report

2426	0	-11.446	-6.24931	5.19664	-11.446	7.16811	-6.24931
2427	0	-11.4252	-6.24898	5.17626	-11.4252	7.20236	-6.24898
2428	0	-11.4056	-6.24342	5.16216	-11.4056	7.23506	-6.24342
2429	0	-11.3814	-6.23453	5.14692	-11.3814	7.27538	-6.23453
2430	0	-11.3595	-6.21554	5.14393	-11.3595	7.31228	-6.21554
2431	0	-11.3365	-6.21806	5.11844	-11.3365	7.35107	-6.21806
2432	0	-11.3132	-6.20475	5.10849	-11.3132	7.39054	-6.20475
2433	0	-11.2914	-6.19892	5.09248	-11.2914	7.42779	-6.19892
2434	0	-11.2685	-6.19566	5.07279	-11.2685	7.46715	-6.19566
2435	0	-11.2366	-6.1745	5.06211	-11.2366	7.5221	-6.1745
2436	0	-11.2079	-6.15966	5.04825	-11.2079	7.57197	-6.15966
2437	0	-11.1751	-6.14774	5.02736	-11.1751	7.6294	-6.14774
2438	0	-11.1413	-6.12655	5.01477	-11.1413	7.68896	-6.12655
2439	0	-11.1026	-6.10542	4.99721	-11.1026	7.75777	-6.10542
2440	0	-11.0727	-6.09996	4.97269	-11.0727	7.8115	-6.09996
2441	0	-11.0409	-6.10311	4.93784	-11.0409	7.86874	-6.10311
2442	0	-11.0122	-6.11989	4.89232	-11.0122	7.92098	-6.11989
2443	0	-10.9774	-6.13179	4.84565	-10.9774	7.98465	-6.13179
2444	0	-10.94	-6.13732	4.80273	-10.94	8.05369	-6.13732
2445	0	-10.9002	-6.15685	4.74335	-10.9002	8.12793	-6.15685
2446	0	-10.8547	-6.16414	4.69053	-10.8547	8.21359	-6.16414
2447	0	-10.8088	-6.16986	4.63898	-10.8088	8.30073	-6.16986
2448	0	-10.7606	-6.17003	4.59059	-10.7606	8.3934	-6.17003
2449	0	-10.7053	-6.1734	4.53185	-10.7053	8.50108	-6.1734
2450	0	-10.6466	-6.18697	4.45962	-10.6466	8.61671	-6.18697
2451	0	-10.5832	-6.17325	4.40994	-10.5832	8.7434	-6.17325
2452	0	-10.5211	-6.15772	4.36342	-10.5211	8.86923	-6.15772
2453	0	-10.4654	-6.1504	4.31501	-10.4654	8.98378	-6.1504
2454	0	-10.4094	-6.1409	4.26851	-10.4094	9.10038	-6.1409
2455	0	-10.3609	-6.11186	4.24907	-10.3609	9.20254	-6.11186
2456	0	-10.3115	-6.07785	4.23364	-10.3115	9.30787	-6.07785



EJ058 RF Test Report

2457	0	-10.267	-6.03702	4.23001	-10.267	9.40367	-6.03702
2458	0	-10.2198	-5.98692	4.23293	-10.2198	9.50638	-5.98692
2459	0	-10.1758	-5.95266	4.22312	-10.1758	9.60333	-5.95266
2460	0	-10.135	-5.90317	4.23181	-10.135	9.69397	-5.90317
2461	0	-10.0942	-5.87699	4.21722	-10.0942	9.7854	-5.87699
2462	0	-10.0543	-5.83545	4.21887	-10.0543	9.87572	-5.83545
2463	0	-10.0153	-5.79989	4.21538	-10.0153	9.96489	-5.79989
2464	0	-9.9773	-5.77215	4.20515	-9.9773	10.0524	-5.77215
2465	0	-9.93985	-5.75285	4.187	-9.93985	10.1395	-5.75285
2466	0	-9.89966	-5.72602	4.17364	-9.89966	10.2337	-5.72602
2467	0	-9.86565	-5.68704	4.17861	-9.86565	10.3142	-5.68704
2468	0	-9.83374	-5.63795	4.19579	-9.83374	10.3902	-5.63795
2469	0	-9.80582	-5.58583	4.21999	-9.80582	10.4573	-5.58583
2470	0	-9.78435	-5.53846	4.24589	-9.78435	10.5091	-5.53846
2471	0	-9.76932	-5.50031	4.26901	-9.76932	10.5455	-5.50031
2472	0	-9.75262	-5.45323	4.29938	-9.75262	10.5862	-5.45323
2473	0	-9.73722	-5.39745	4.33976	-9.73722	10.6238	-5.39745
2474	0	-9.72795	-5.36059	4.36735	-9.72795	10.6465	-5.36059
2475	0	-9.7194	-5.31135	4.40805	-9.7194	10.6674	-5.31135
2476	0	-9.714	-5.25257	4.46143	-9.714	10.6807	-5.25257
2477	0	-9.71095	-5.19594	4.515	-9.71095	10.6882	-5.19594
2478	0	-9.70777	-5.14204	4.56573	-9.70777	10.6961	-5.14204
2479	0	-9.70599	-5.07425	4.63174	-9.70599	10.7004	-5.07425
2480	0	-9.69899	-5.00213	4.69687	-9.69899	10.7177	-5.00213

Thanks