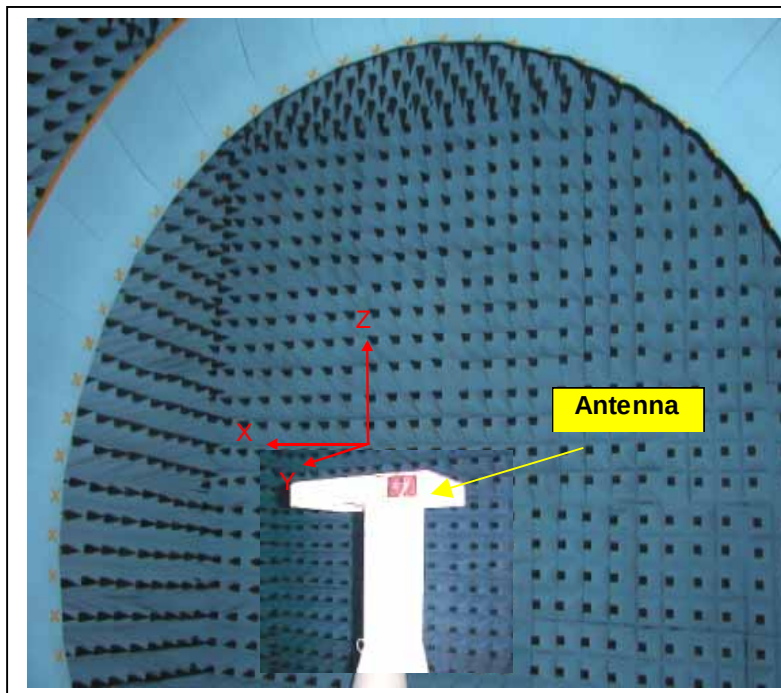
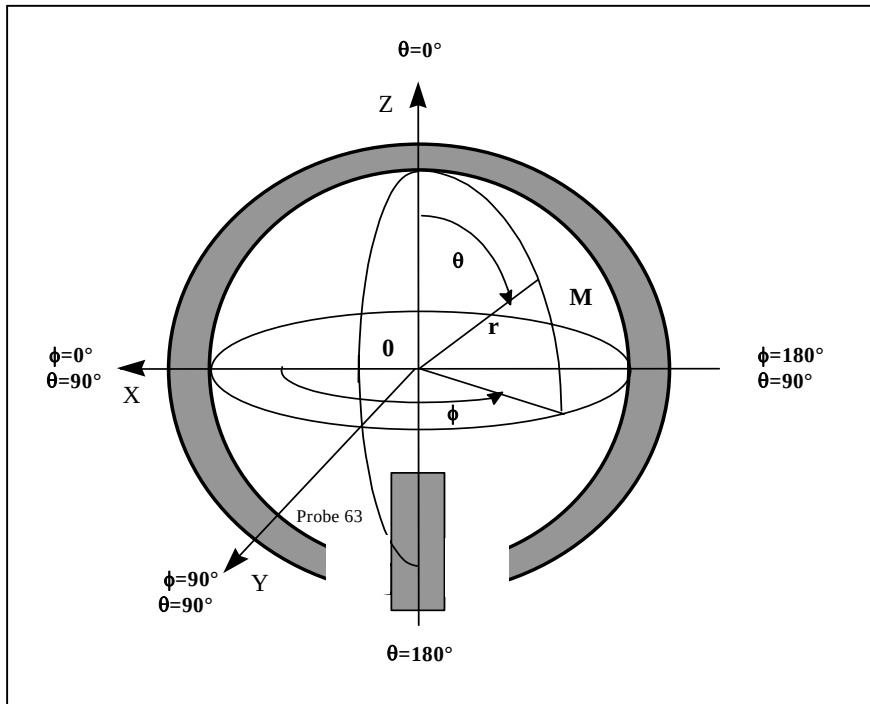


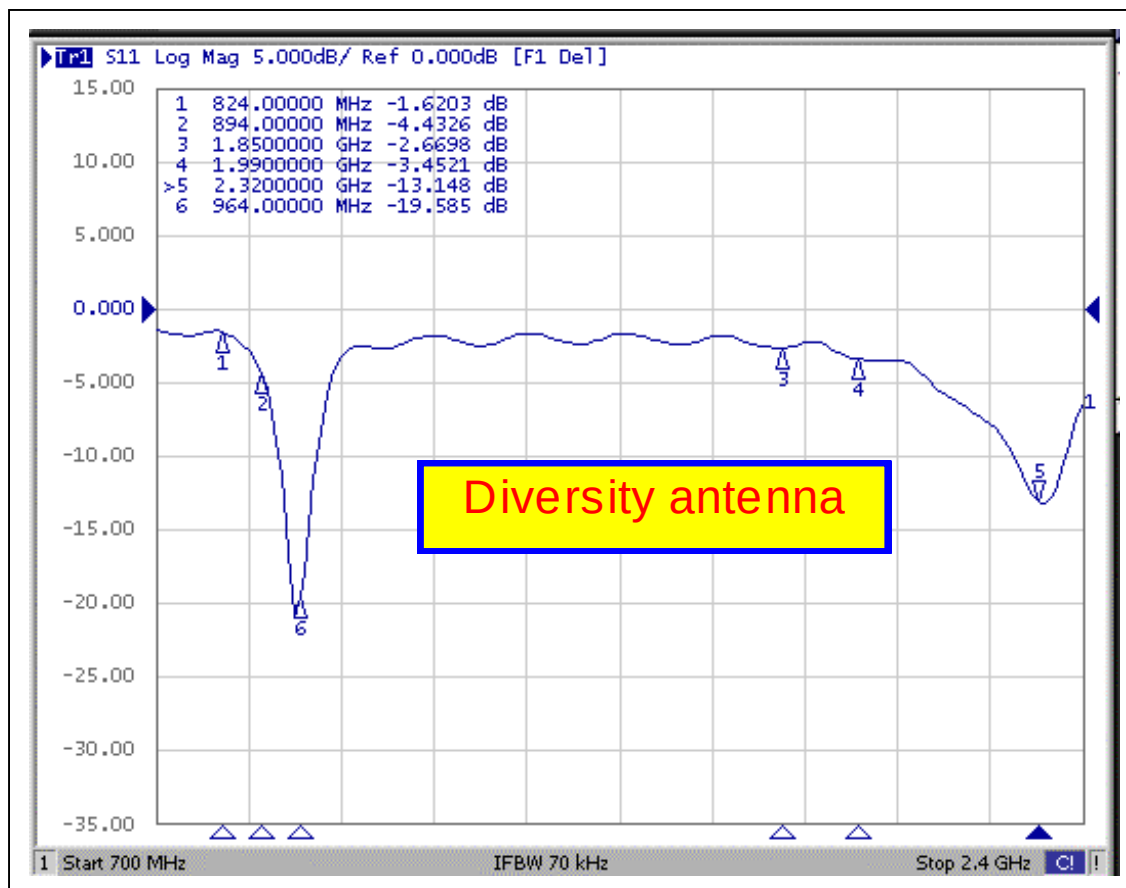
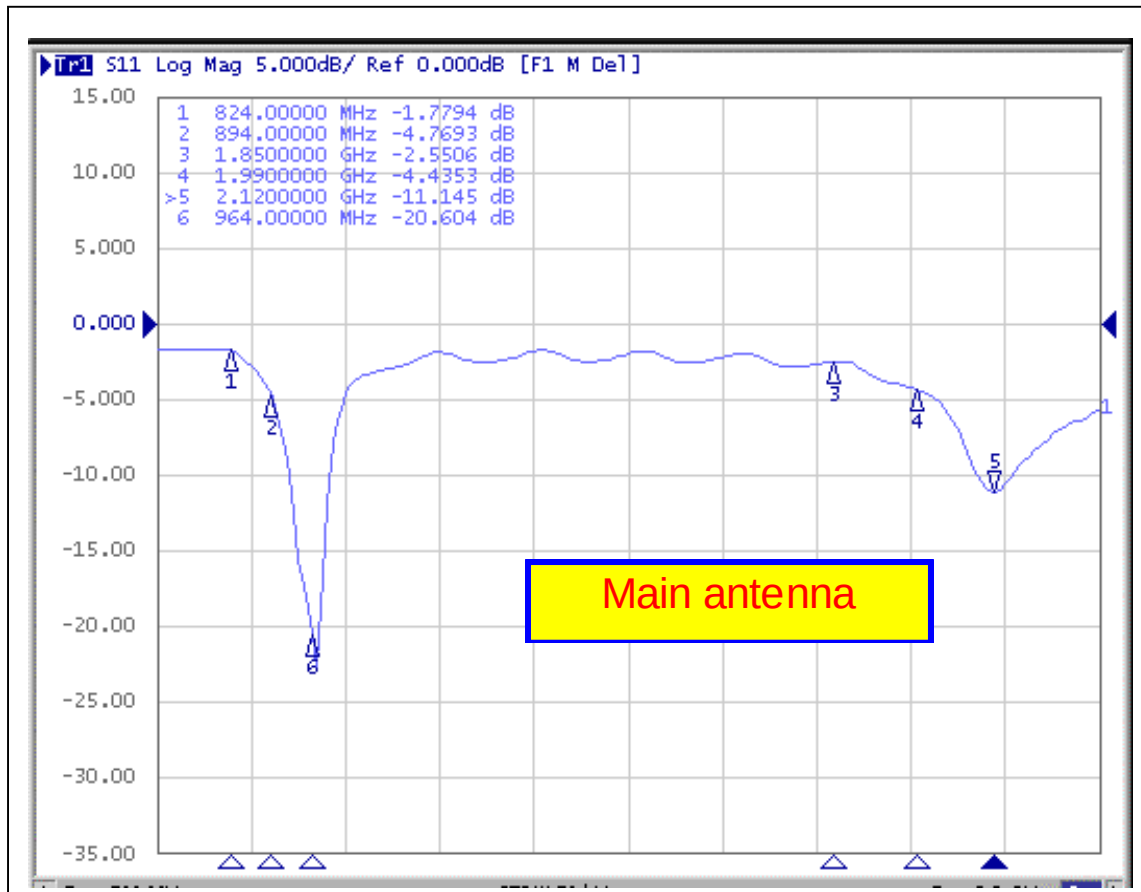
Satiomo Star Gate Coordinate Model:Galbit

Antenna Type:PIFA

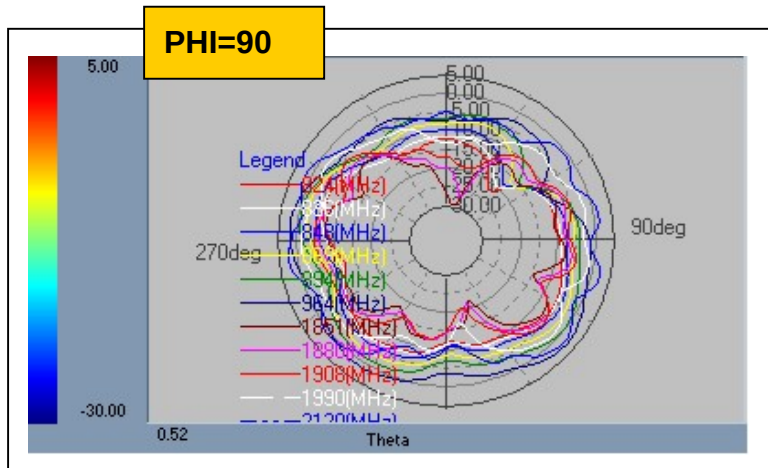
Coordinate System Defination



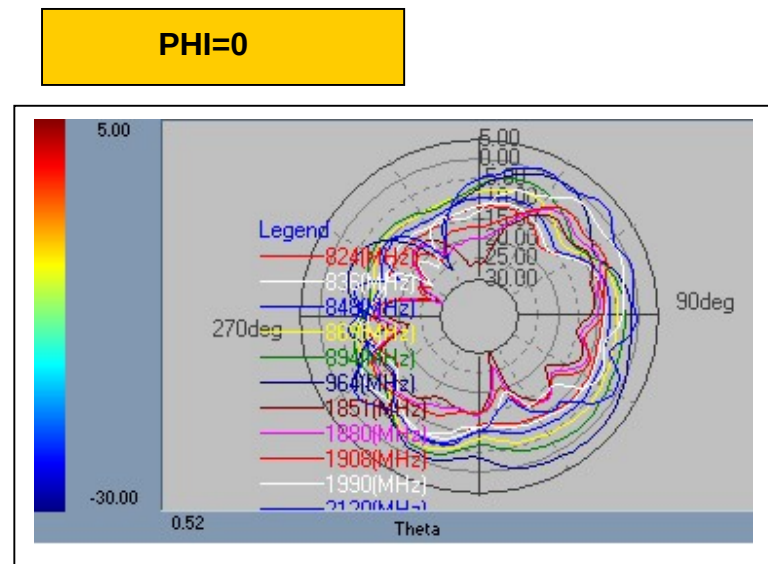
Return Loss :



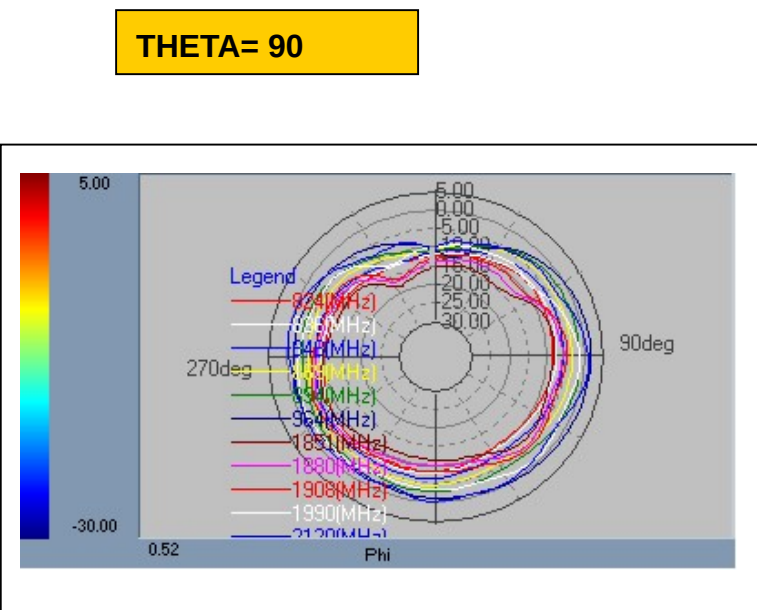
Main Antenna E-Total :



Layer	Max value	Min value	Average
824(MHz)	-6.2	-22.31	-9.78
836(MHz)	-5.76	-20.39	-9.25
848(MHz)	-4.37	-18.58	-7.81
869(MHz)	-2.24	-17	-5.88
894(MHz)	-0.45	-15.26	-4.08
964(MHz)	2.77	-11.23	-1.5
1851(MHz)	-7.51	-34.92	-11.89
1880(MHz)	-5.7	-27.9	-10.28
1908(MHz)	-4.56	-20.91	-9.05
1990(MHz)	-1.13	-17.25	-5.06
2120(MHz)	2.28	-11.72	-1.78



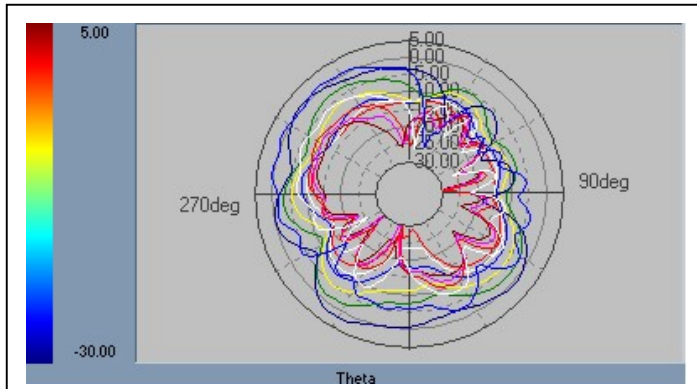
	Max value	Min value	Average
824(MHz)	-7.09	-17.11	-11.14
836(MHz)	-7.14	-16.07	-10.69
848(MHz)	-5.9	-14.32	-9.28
869(MHz)	-4.17	-12.81	-7.37
894(MHz)	-2.04	-12.16	-5.66
964(MHz)	1.91	-26.32	-2.99
1851(MHz)	-8.41	-31.45	-14.3
1880(MHz)	-6.6	-30.69	-12.72
1908(MHz)	-5.12	-26.36	-11.49
1990(MHz)	-1.48	-25.88	-7.56
2120(MHz)	1.83	-23.45	-4.32



	Max value	Min value	Average
824(MHz)	-8.12	-13.32	-9.65
836(MHz)	-7.27	-13.18	-9.07
848(MHz)	-5.7	-12.89	-7.63
869(MHz)	-3.3	-11.7	-5.68
894(MHz)	-1.26	-11.4	-3.99
964(MHz)	1.69	-12.74	-1.67
1851(MHz)	-6.95	-18.84	-10.53
1880(MHz)	-5.57	-17.55	-8.81
1908(MHz)	-4.6	-16.9	-7.67
1990(MHz)	-1.17	-12.75	-4.12
2120(MHz)	1.16	-10.25	-2.16

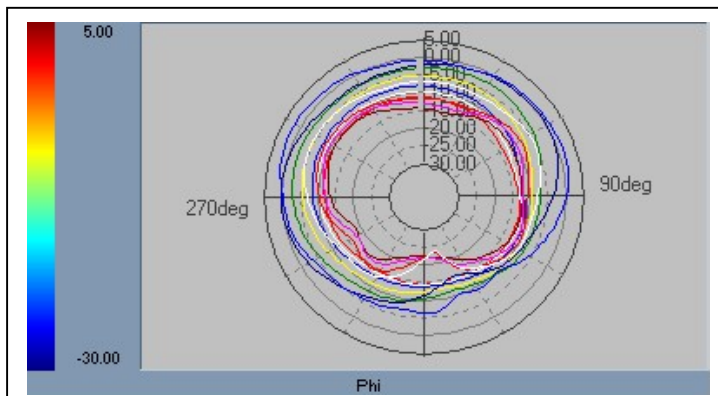
Diversity Antenna E-Total :

PHI=90



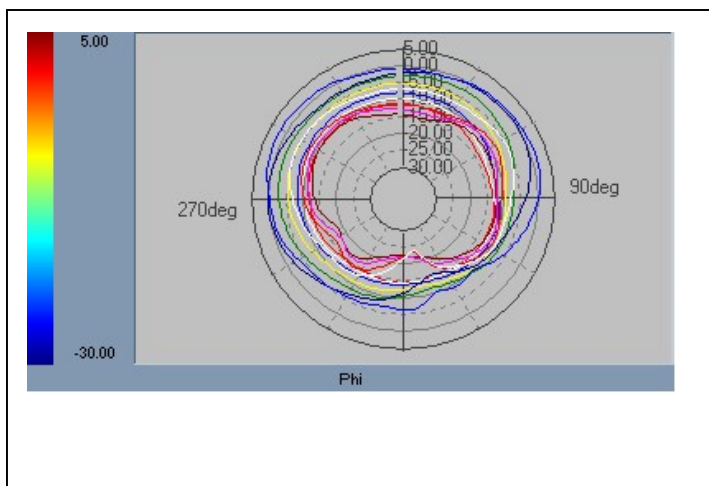
Layer	Max value	Min value	Average
824(MHz)	-8.95	-30.03	-12.53
836(MHz)	-7.11	-24.85	-11.22
848(MHz)	-5.34	-18.62	-9.58
869(MHz)	-2.81	-12.68	-6.88
894(MHz)	0.2	-9.17	-4.2
964(MHz)	3.51	-8.65	-0.77
1851(MHz)	-10.95	-22.28	-14.34
1880(MHz)	-10.15	-24.28	-13.52
1908(MHz)	-8.77	-30.4	-12.35
1990(MHz)	-6.57	-17.99	-9.3
2320(MHz)	0.95	-7.99	-1.96

PHI=0



	Max value	Min value	Average
824(MHz)	-10.55	-29.02	-13.86
836(MHz)	-9.4	-24.14	-12.71
848(MHz)	-8.17	-18.83	-11.43
869(MHz)	-5.21	-13.52	-8.66
894(MHz)	-2.09	-11.62	-5.81
964(MHz)	1.75	-18.41	-2.51
1851(MHz)	-11.75	-31.8	-16.19
1880(MHz)	-10.39	-32.24	-15.16
1908(MHz)	-8.87	-33.15	-13.78
1990(MHz)	-5.65	-26.55	-10.88
2320(MHz)	0.78	-25.51	-4.07

THETA= 90



Layer	Max value	Min value	Average
824(MHz)	-10.86	-15.06	-12.88
836(MHz)	-9.17	-14.82	-11.65
848(MHz)	-7.76	-14.44	-10.24
869(MHz)	-5	-13.32	-7.64
894(MHz)	-2.59	-11.93	-5.25
964(MHz)	0.22	-15.7	-3
1851(MHz)	-11.02	-22.8	-14.03
1880(MHz)	-9.77	-22.46	-12.84
1908(MHz)	-8.49	-23.73	-11.52
1990(MHz)	-4.97	-24.02	-8.34
2320(MHz)	1.83	-10.51	-1.47

Main – Antenna E-Theta, E-Phi :

PHI=90

Layer	E-Theta			E-Phi		
	Max value	Min value	Average	Max value	Min value	Average
824(MHz)	-6.94 dB	-34.31 dB	-12.01 dB	-11.21 dB	-41.23 dB	-16.65 dB
836(MHz)	-6.39 dB	-30.30 dB	-11.53 dB	-10.70 dB	-36.48 dB	-16.12 dB
848(MHz)	-4.92 dB	-32.84 dB	-10.22 dB	-9.08 dB	-30.69 dB	-14.51 dB
869(MHz)	-2.63 dB	-28.19 dB	-8.36 dB	-7.41 dB	-40.03 dB	-12.51 dB
894(MHz)	-0.93 dB	-25.19 dB	-6.76 dB	-5.03 dB	-33.83 dB	-10.35 dB
964(MHz)	1.67 dB	-24.41 dB	-4.73 dB	-1.08 dB	-40.12 dB	-6.61 dB
1851(MHz)	-7.64 dB	-38.64 dB	-13.99 dB	-10.27 dB	-44.56 dB	-19.77 dB
1880(MHz)	-5.86 dB	-35.78 dB	-12.46 dB	-9.25 dB	-59.31 dB	-18.34 dB
1908(MHz)	-4.74 dB	-36.48 dB	-11.33 dB	-8.53 dB	-38.47 dB	-16.70 dB
1990(MHz)	-1.57 dB	-32.11 dB	-7.86 dB	-4.68 dB	-22.72 dB	-10.60 dB
2120(MHz)	1.32 dB	-32.68 dB	-5.97 dB	-0.53 dB	-17.30 dB	-5.47 dB

PHI=0

Layer	E-Theta			E-Phi		
	Max value	Min value	Average	Max value	Min value	Average
824(MHz)	-8.00 dB	-22.44 dB	-12.78 dB	-12.50 dB	-27.00 dB	-18.68 dB
836(MHz)	-8.19 dB	-23.78 dB	-12.21 dB	-12.04 dB	-27.49 dB	-18.62 dB
848(MHz)	-6.87 dB	-25.22 dB	-10.79 dB	-10.73 dB	-25.56 dB	-17.21 dB
869(MHz)	-4.61 dB	-26.05 dB	-8.87 dB	-8.88 dB	-25.94 dB	-15.57 dB
894(MHz)	-2.44 dB	-31.44 dB	-7.29 dB	-7.06 dB	-25.46 dB	-13.81 dB
964(MHz)	1.56 dB	-34.59 dB	-5.37 dB	-4.62 dB	-27.01 dB	-10.75 dB
1851(MHz)	-8.44 dB	-36.67 dB	-17.06 dB	-15.21 dB	-42.78 dB	-21.85 dB
1880(MHz)	-6.69 dB	-40.01 dB	-15.40 dB	-13.83 dB	-46.14 dB	-20.92 dB
1908(MHz)	-5.20 dB	-35.93 dB	-13.85 dB	-13.05 dB	-43.71 dB	-20.86 dB
1990(MHz)	-1.55 dB	-28.74 dB	-9.69 dB	-9.99 dB	-56.28 dB	-18.33 dB
2120(MHz)	1.69 dB	-35.73 dB	-6.64 dB	-5.70 dB	-41.26 dB	-14.10 dB

THETA= 90

	E-Theta			E-Phi		
	Max value	Min value	Average	Max value	Min value	Average
824(MHz)	-8.58 dB	-16.71 dB	-11.65 dB	-9.90 dB	-27.20 dB	-15.38 dB
836(MHz)	-7.75 dB	-15.15 dB	-10.95 dB	-9.39 dB	-27.31 dB	-14.97 dB
848(MHz)	-6.27 dB	-13.47 dB	-9.64 dB	-7.70 dB	-28.32 dB	-13.32 dB
869(MHz)	-4.06 dB	-11.84 dB	-7.68 dB	-5.74 dB	-27.61 dB	-11.40 dB
894(MHz)	-1.94 dB	-12.13 dB	-6.12 dB	-3.95 dB	-32.17 dB	-9.63 dB
964(MHz)	1.43 dB	-28.29 dB	-4.67 dB	-1.90 dB	-17.18 dB	-6.59 dB
1851(MHz)	-7.14 dB	-25.90 dB	-11.98 dB	-13.59 dB	-30.87 dB	-18.64 dB
1880(MHz)	-5.72 dB	-21.74 dB	-10.10 dB	-12.14 dB	-32.26 dB	-17.45 dB
1908(MHz)	-4.77 dB	-19.38 dB	-8.84 dB	-11.21 dB	-36.07 dB	-16.86 dB
1990(MHz)	-1.41 dB	-15.19 dB	-5.28 dB	-7.56 dB	-22.08 dB	-12.99 dB
2120(MHz)	0.78 dB	-18.96 dB	-3.84 dB	-4.92 dB	-32.67 dB	-9.03 dB

Diversity – Antenna E-Theta, E-Phi :

PHI=90

	E-Theta			E-Phi		
Layer	Max value	Min value	Average	Max value	Min value	Average
824(MHz)	-10.77 dB	-38.30 dB	-17.02 dB	-11.62 dB	-33.10 dB	-15.93 dB
836(MHz)	-8.78 dB	-36.53 dB	-15.34 dB	-10.70 dB	-28.36 dB	-14.73 dB
848(MHz)	-7.15 dB	-36.56 dB	-13.65 dB	-8.89 dB	-19.61 dB	-12.91 dB
869(MHz)	-4.69 dB	-27.27 dB	-10.76 dB	-6.45 dB	-16.18 dB	-10.23 dB
894(MHz)	-1.85 dB	-23.08 dB	-7.99 dB	-3.85 dB	-13.34 dB	-7.59 dB
964(MHz)	1.09 dB	-26.92 dB	-5.23 dB	-0.19 dB	-12.81 dB	-3.95 dB
1851(MHz)	-11.18 dB	-39.95 dB	-17.40 dB	-12.74 dB	-40.48 dB	-19.28 dB
1880(MHz)	-10.28 dB	-39.08 dB	-16.46 dB	-12.72 dB	-45.09 dB	-18.69 dB
1908(MHz)	-9.03 dB	-48.76 dB	-15.06 dB	-12.11 dB	-39.61 dB	-18.13 dB
1990(MHz)	-7.00 dB	-32.20 dB	-12.60 dB	-8.15 dB	-34.02 dB	-14.08 dB
2320(MHz)	-0.68 dB	-22.16 dB	-6.05 dB	-1.54 dB	-22.95 dB	-5.13 dB

PHI=0

	E-Theta			E-Phi		
Layer	Max value	Min value	Average	Max value	Min value	Average
824(MHz)	-10.59 dB	-29.54 dB	-14.45 dB	-27.92 dB	-39.19 dB	-32.21 dB
836(MHz)	-9.44 dB	-24.78 dB	-13.26 dB	-24.79 dB	-40.62 dB	-29.79 dB
848(MHz)	-8.20 dB	-19.10 dB	-11.91 dB	-22.16 dB	-39.38 dB	-27.43 dB
869(MHz)	-5.33 dB	-14.22 dB	-9.13 dB	-18.53 dB	-31.34 dB	-24.11 dB
894(MHz)	-2.22 dB	-12.19 dB	-6.37 dB	-16.12 dB	-27.30 dB	-20.52 dB
964(MHz)	1.60 dB	-27.54 dB	-3.48 dB	-11.65 dB	-40.22 dB	-17.03 dB
1851(MHz)	-11.94 dB	-35.74 dB	-17.60 dB	-20.28 dB	-42.71 dB	-26.33 dB
1880(MHz)	-10.56 dB	-33.05 dB	-16.62 dB	-18.80 dB	-43.14 dB	-25.38 dB
1908(MHz)	-9.09 dB	-38.71 dB	-15.28 dB	-17.52 dB	-39.91 dB	-24.00 dB
1990(MHz)	-5.84 dB	-35.32 dB	-12.50 dB	-15.88 dB	-41.39 dB	-21.44 dB
2320(MHz)	0.67 dB	-31.25 dB	-6.00 dB	-6.41 dB	-34.73 dB	-15.19 dB

THETA= 90

	E-Theta			E-Phi		
Layer	Max value	Min value	Average	Max value	Min value	Average
824(MHz)	-11.81 dB	-16.53 dB	-14.08 dB	-14.94 dB	-32.44 dB	-20.39 dB
836(MHz)	-9.97 dB	-16.26 dB	-12.93 dB	-14.23 dB	-30.06 dB	-19.30 dB
848(MHz)	-8.48 dB	-15.38 dB	-11.66 dB	-13.04 dB	-28.40 dB	-17.57 dB
869(MHz)	-5.82 dB	-14.43 dB	-9.11 dB	-9.92 dB	-27.06 dB	-15.23 dB
894(MHz)	-3.58 dB	-13.51 dB	-6.70 dB	-7.54 dB	-27.74 dB	-13.14 dB
964(MHz)	-1.17 dB	-15.84 dB	-4.75 dB	-4.17 dB	-38.82 dB	-11.01 dB
1851(MHz)	-11.68 dB	-25.91 dB	-16.21 dB	-13.58 dB	-46.07 dB	-20.68 dB
1880(MHz)	-10.21 dB	-24.49 dB	-15.18 dB	-11.70 dB	-34.95 dB	-19.15 dB
1908(MHz)	-8.73 dB	-25.75 dB	-13.91 dB	-11.11 dB	-39.91 dB	-17.80 dB
1990(MHz)	-5.94 dB	-25.18 dB	-10.78 dB	-8.69 dB	-35.87 dB	-14.70 dB
2320(MHz)	0.29 dB	-11.17 dB	-3.39 dB	-1.51 dB	-22.92 dB	-8.48 dB