



綠銀科技有限公司

Antenna Spec

Antenna Information

Antenna Trade Name: GREENBANK

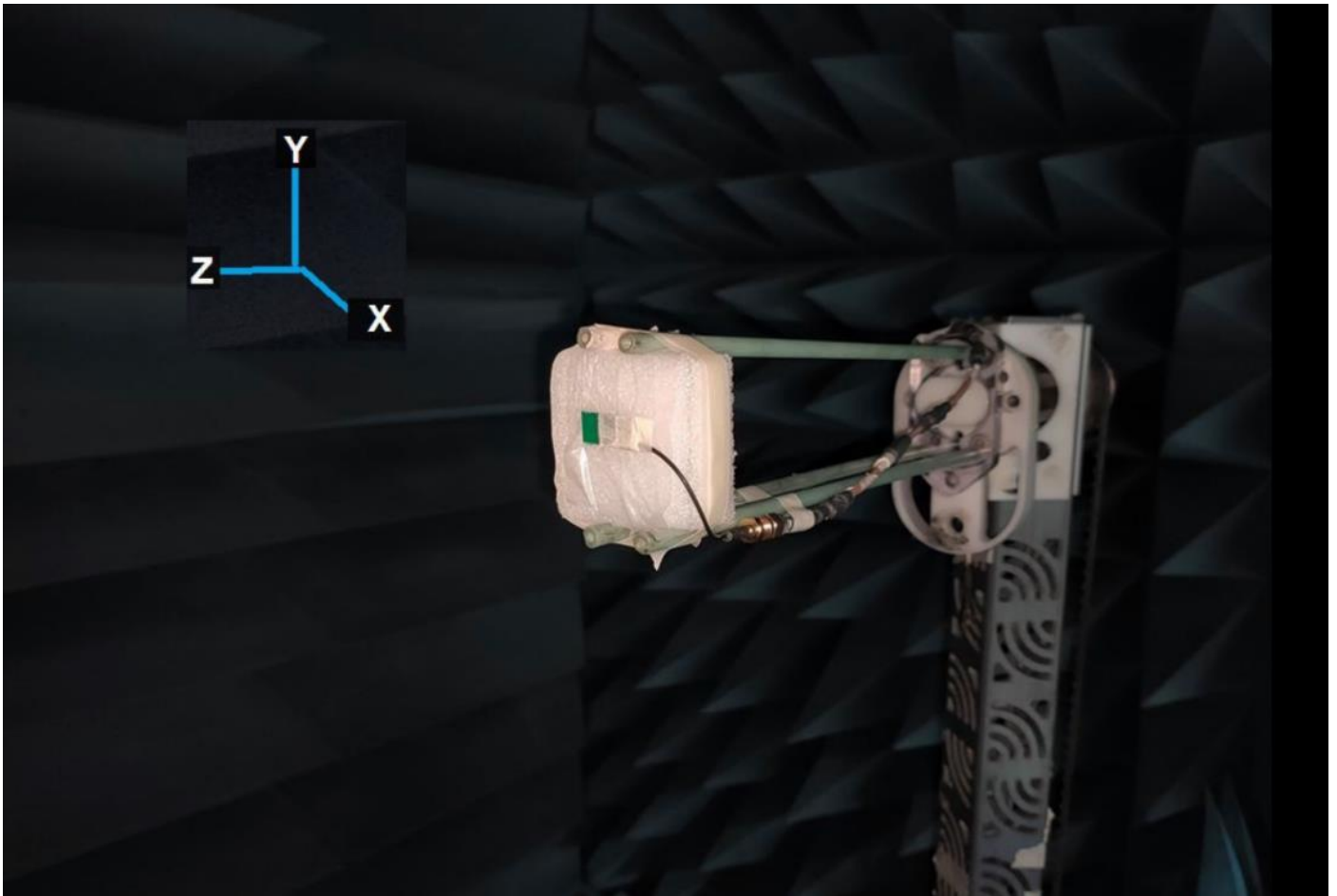
Antenna Model No: GBM52832QF

Antenna Type: PCB

Antenna Gain:-6.166 dBi

Frequency Range:2400~2480

Setup Photo



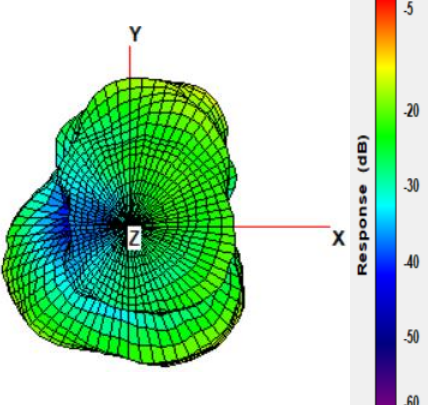
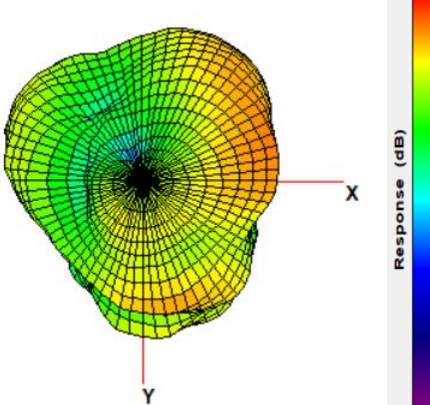
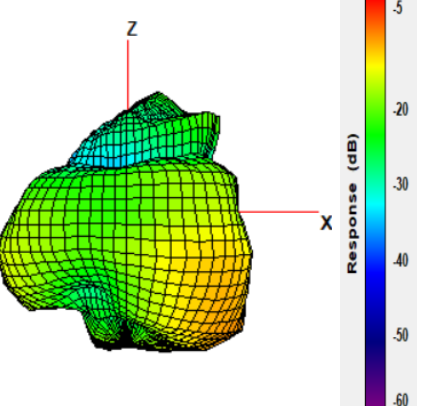
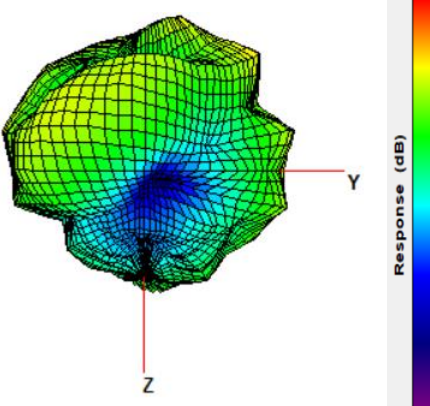
Antenna Gain Table

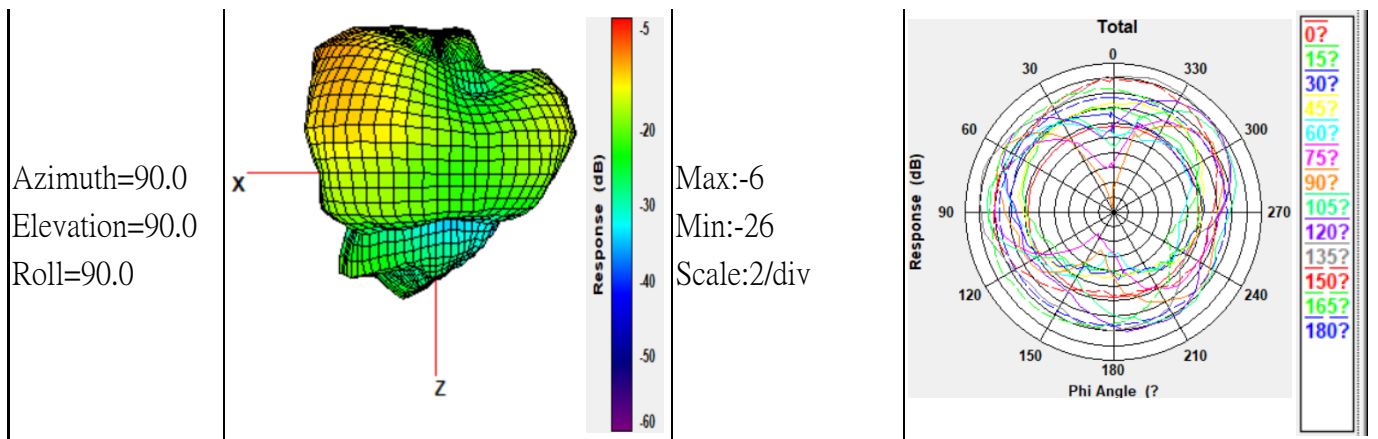
Frequency	2402	2440	2441	2480
Ant. Port Input Pwr. (dBm)	0	0	0	0
Tot. Rad. Pwr. (dBm)	-12.0928	-11.0689	-11.0125	-9.33888
Peak EIRP (dBm)	-7.36381	-7.6145	-7.5179	-6.16653
Directivity (dBi)	4.729	3.45438	3.49461	3.17235
Efficiency (dB)	-12.0928	-11.0689	-11.0125	-9.33888
Efficiency (%)	6.17617	7.81829	7.92043	11.6443
Gain (dBi)	-7.36381	-7.6145	-7.5179	-6.16653
NHPRP $\pm\pi/4$ (dBm)	-13.664	-12.6906	-12.6378	-11.113
NHPRP $\pm\pi/6$ (dBm)	-15.2967	-14.2553	-14.195	-12.6765
NHPRP $\pm\pi/8$ (dBm)	-16.437	-15.4083	-15.3523	-13.9372
Upper Hem. PRP (dBm)	-16.655	-14.8432	-14.7533	-12.4351
Lower Hem. PRP (dBm)	-13.9621	-13.4297	-13.3977	-12.265
NHPRP4 / TRP Ratio (dB)	-1.57123	-1.62174	-1.62532	-1.77413
NHPRP4 / TRP Ratio (%)	69.6429	68.8376	68.7809	66.464
Near Horz. TRP for $\pm\pi/4$ (dBm)	-12.1589	-11.1855	-11.1327	-9.60786
NHPRP6 / TRP Ratio (dB)	-3.20386	-3.18645	-3.18248	-3.33764
NHPRP6 / TRP Ratio (%)	47.8204	48.0126	48.0564	46.3698
Near Horz. TRP for $\pm\pi/6$ (dBm)	-12.2864	-11.245	-11.1847	-9.66622
NHPRP8 / TRP Ratio (dB)	-4.34422	-4.33944	-4.33978	-4.59835
NHPRP8 / TRP Ratio (%)	36.7772	36.8177	36.8148	34.6868
Near Horz. TRP for $\pm\pi/8$ (dBm)	-12.2654	-11.2367	-11.1807	-9.76563
UHPRP / TRP Ratio (dB)	-4.56223	-3.77429	-3.74075	-3.09619
UHPRP / TRP Ratio (%)	34.9766	41.9345	42.2596	49.0209
Upper Hem.Total Radiated Pwr (dBm)	-13.6447	-11.8329	-11.743	-9.42476
LHPRP / TRP Ratio (dB)	-1.8693	-2.36082	-2.3852	-2.92608
LHPRP / TRP Ratio (%)	65.0234	58.0655	57.7404	50.9791
Lower Hem. Total Radiated Pwr(dBm)	-10.9518	-10.4194	-10.3874	-9.25466
Front/Back Ratio (dB)	9.8864	7.70097	5.35338	2.77639
Phi BW (°)	88	129	113	64
+ Phi BW (°)	24	23	28	26
- Phi BW (°)	64	106	85	38
Theta BW (°)	45	62	97	40

+ Th. BW (°)	30	46	55	13
- Th. BW (°)	15	16	42	27
Boresight Phi (°)	343.35	345	302.25	92.9
Boresight Th. (°)	135	135	105	150
Maximum Power (dBm)	-7.36381	-7.6145	-7.5179	-6.16653
Minimum Power (dBm)	-25.5377	-28.3058	-27.2639	-24.7524
Average Power (dBm)	-11.9924	-10.9946	-10.9299	-9.23286
Max/Min Ratio (dB)	18.1738	20.6913	19.746	18.5859
Max/Avg Ratio (dB)	4.62862	3.38005	3.41196	3.06634
Min/Avg Ratio (dB)	-13.5452	-17.3112	-16.334	-15.5195
Average Gain (dB)	-12.0928	-11.0689	-11.0125	-9.33888
E-Plane BW (°)	42	48	61	61
+ E-Plane BW (°)	29	35	37	38
- E-Plane BW (°)	13	13	24	23
H-Plane BW (°)	138	165	167	41
+ H-Plane BW (°)	76	74	121	13
- H-Plane BW (°)	62	91	46	28

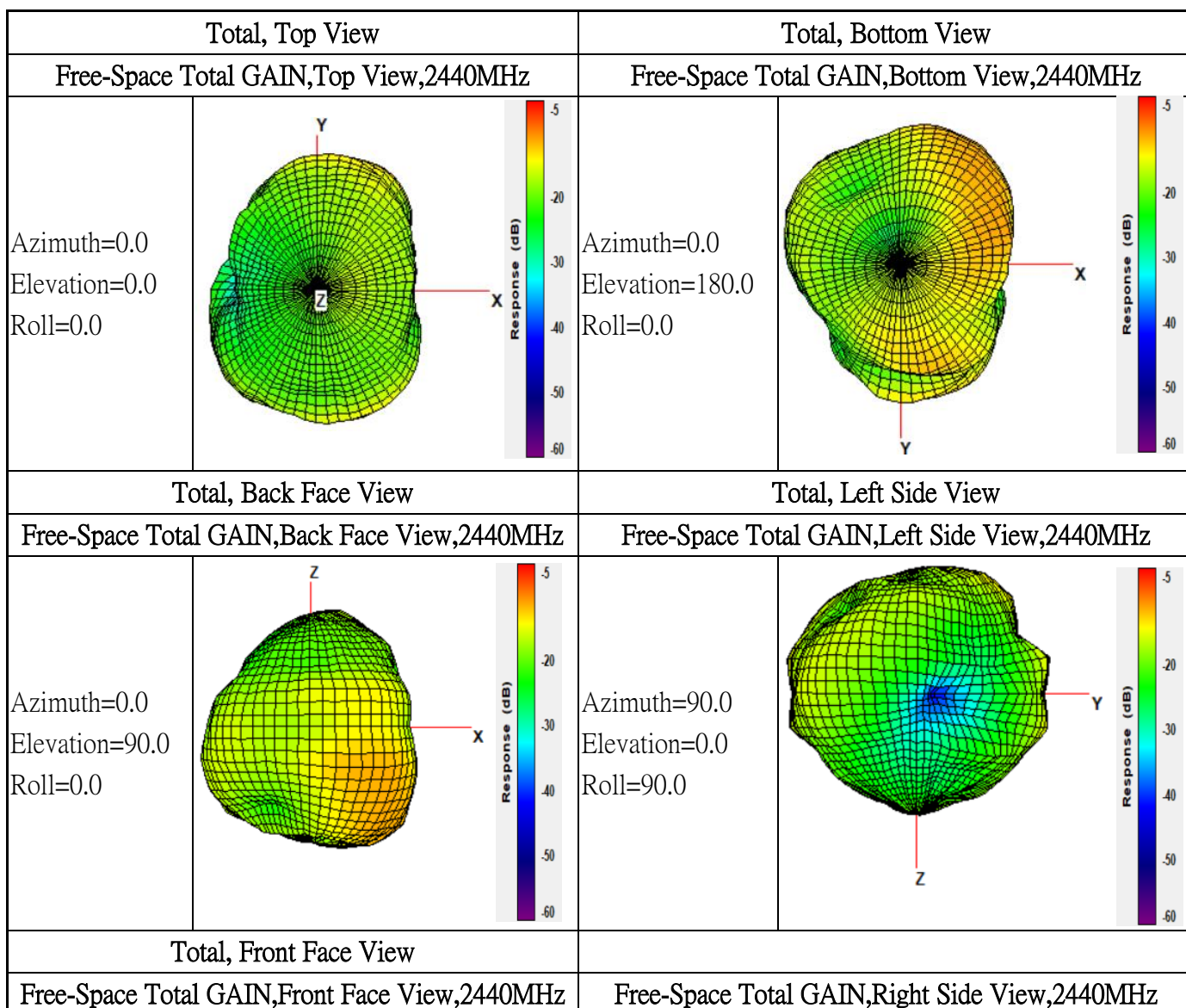
Antenna Pattern

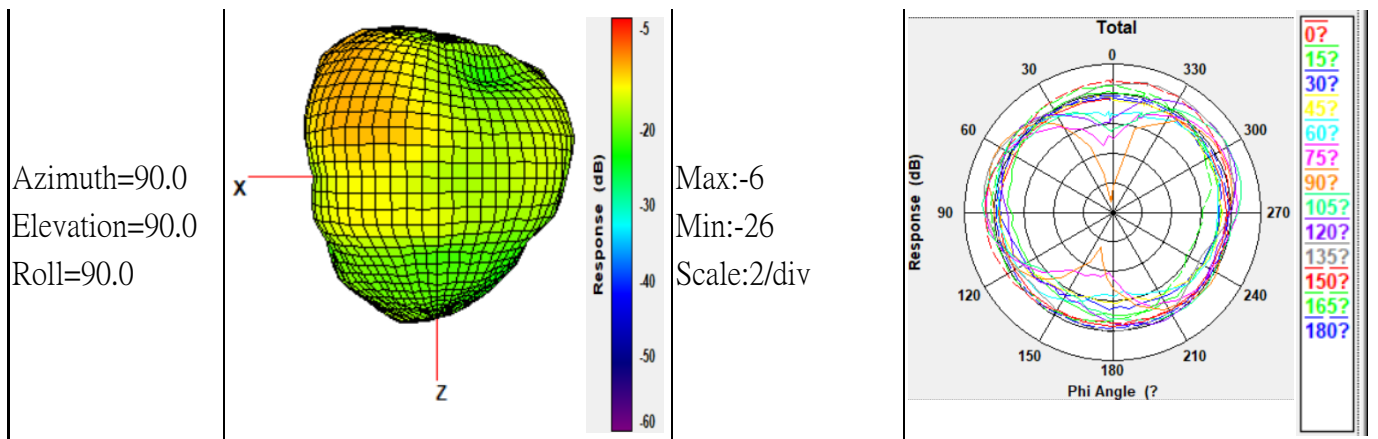
2402

Total, Top View		Total, Bottom View	
Free-Space Total GAIN,Top View,2402MHz		Free-Space Total GAIN,Bottom View,2402MHz	
Azimuth=0.0 Elevation=0.0 Roll=0.0 		Azimuth=0.0 Elevation=180.0 Roll=0.0 	
Total, Back Face View		Total, Left Side View	
Free-Space Total GAIN,Back Face View,2402MHz		Free-Space Total GAIN,Left Side View,2402MHz	
Azimuth=0.0 Elevation=90.0 Roll=0.0 		Azimuth=90.0 Elevation=0.0 Roll=90.0 	
Total, Front Face View		Free-Space Total GAIN,Right Side View,2402MHz	
Free-Space Total GAIN,Front Face View,2402MHz			

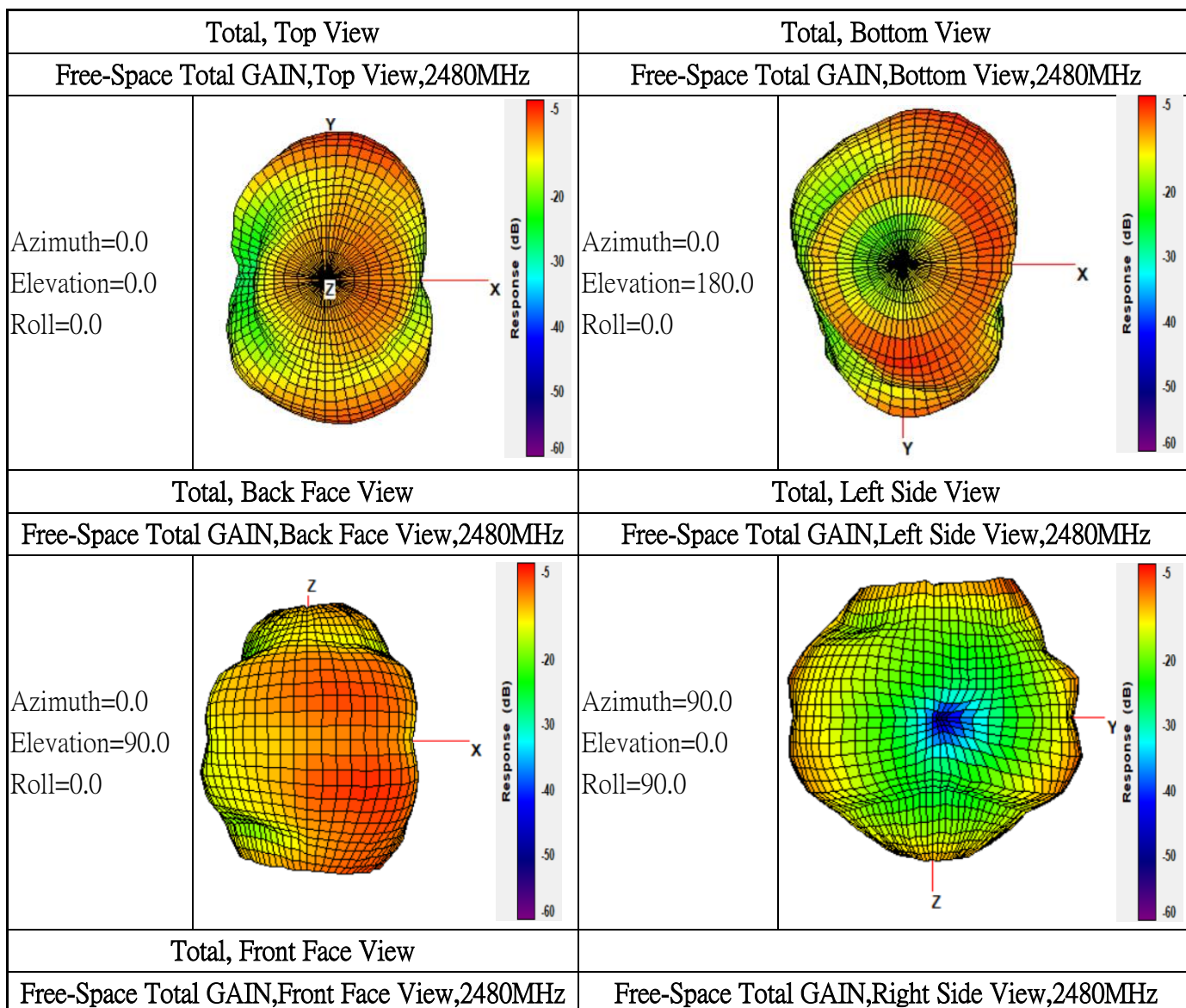


2440

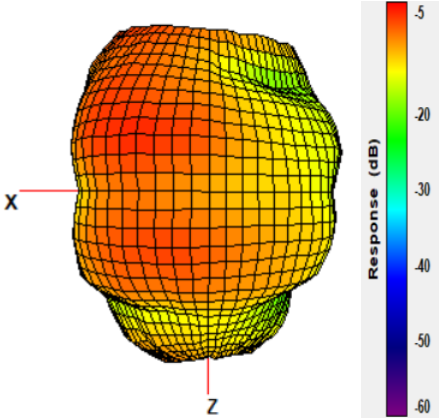




2480



Azimuth=90.0
Elevation=90.0
Roll=90.0



Max:-6
Min:-26
Scale:2/div

