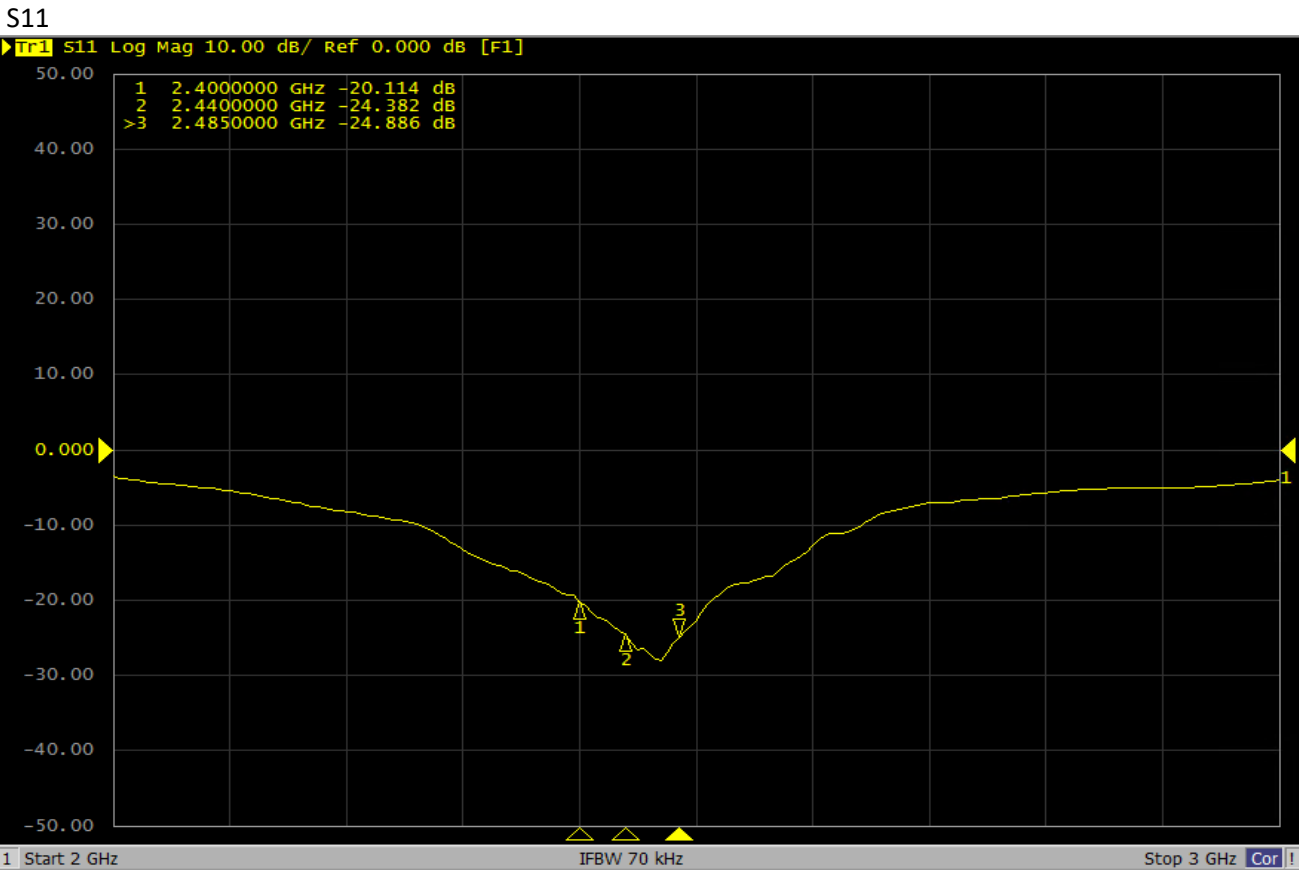


Trane Jolt Antenna Report (Quectel EG91-NAXD module)

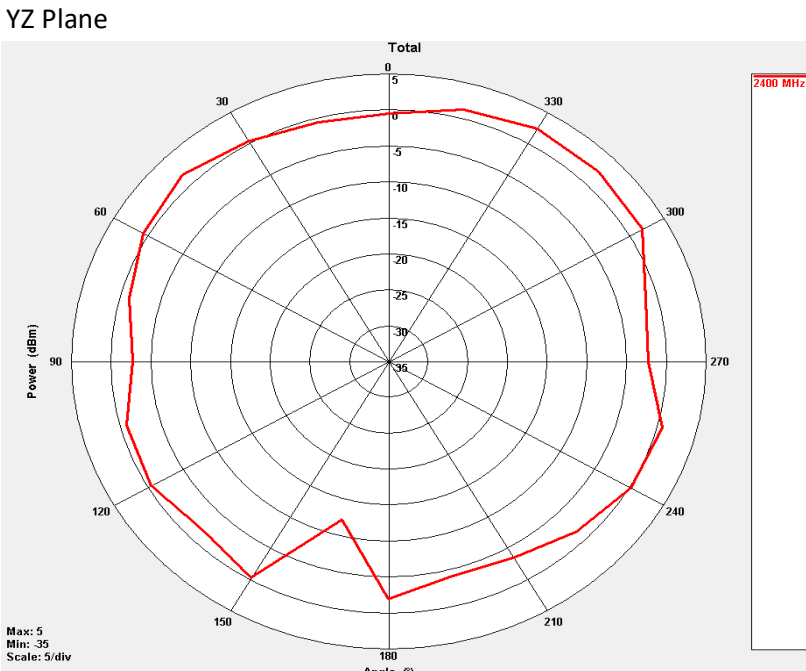
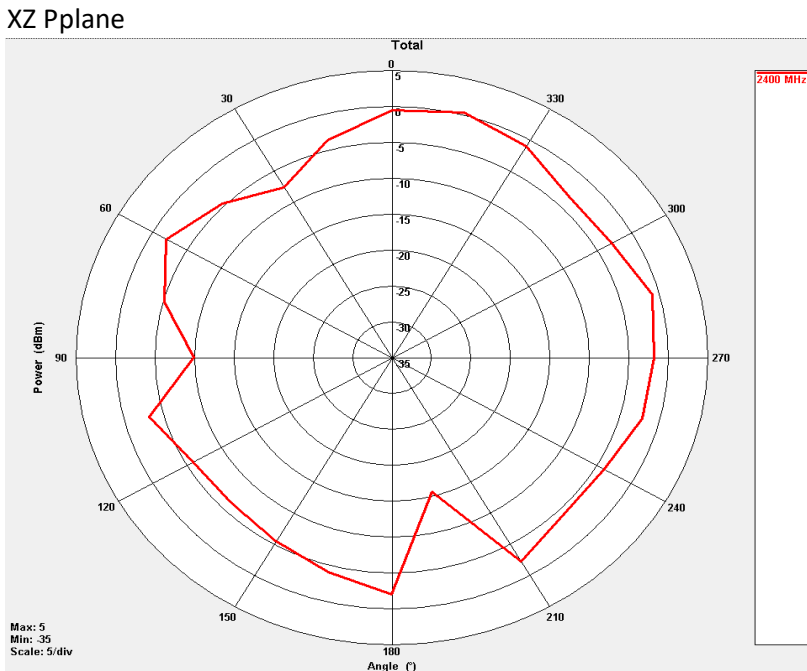
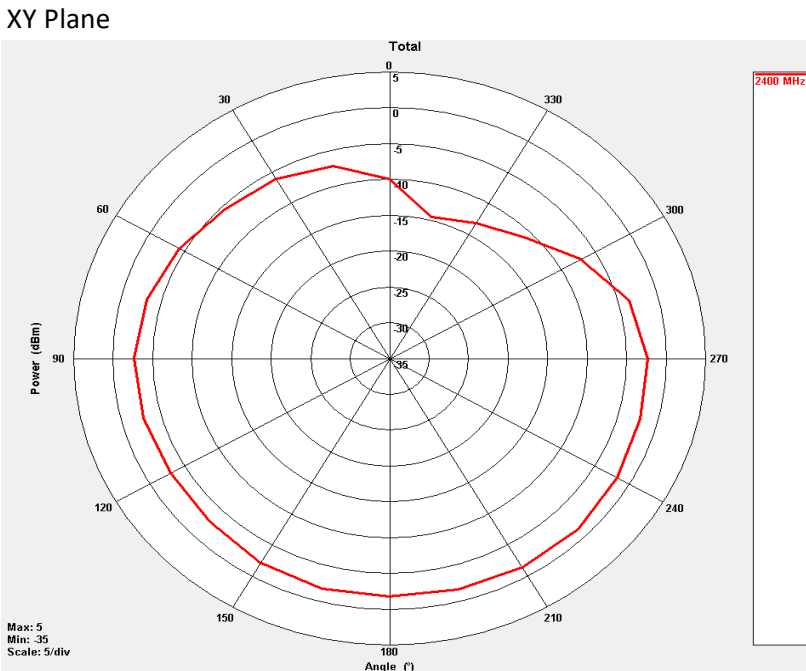
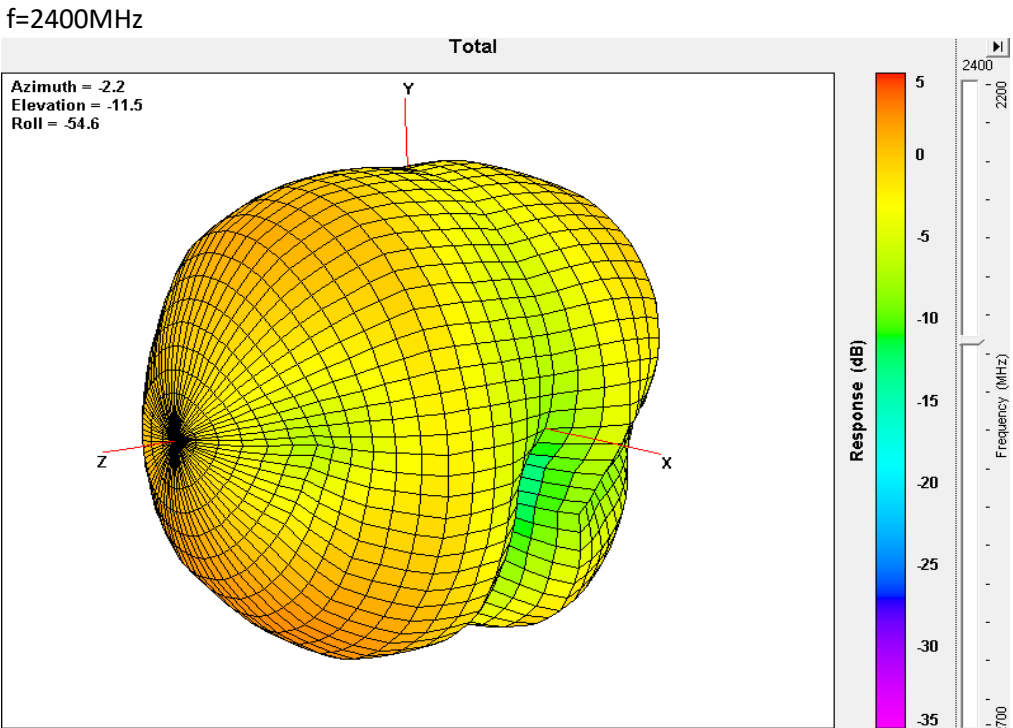
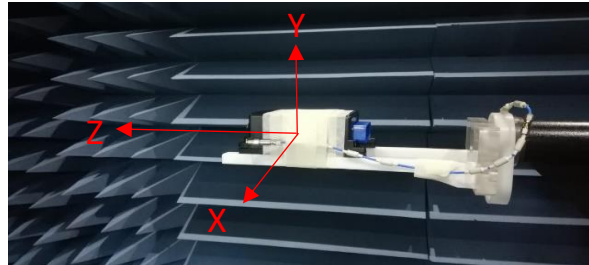
Bluetooth Antenna

Brand : NA
Model : NA
Type : PCB trace antenna (internal)



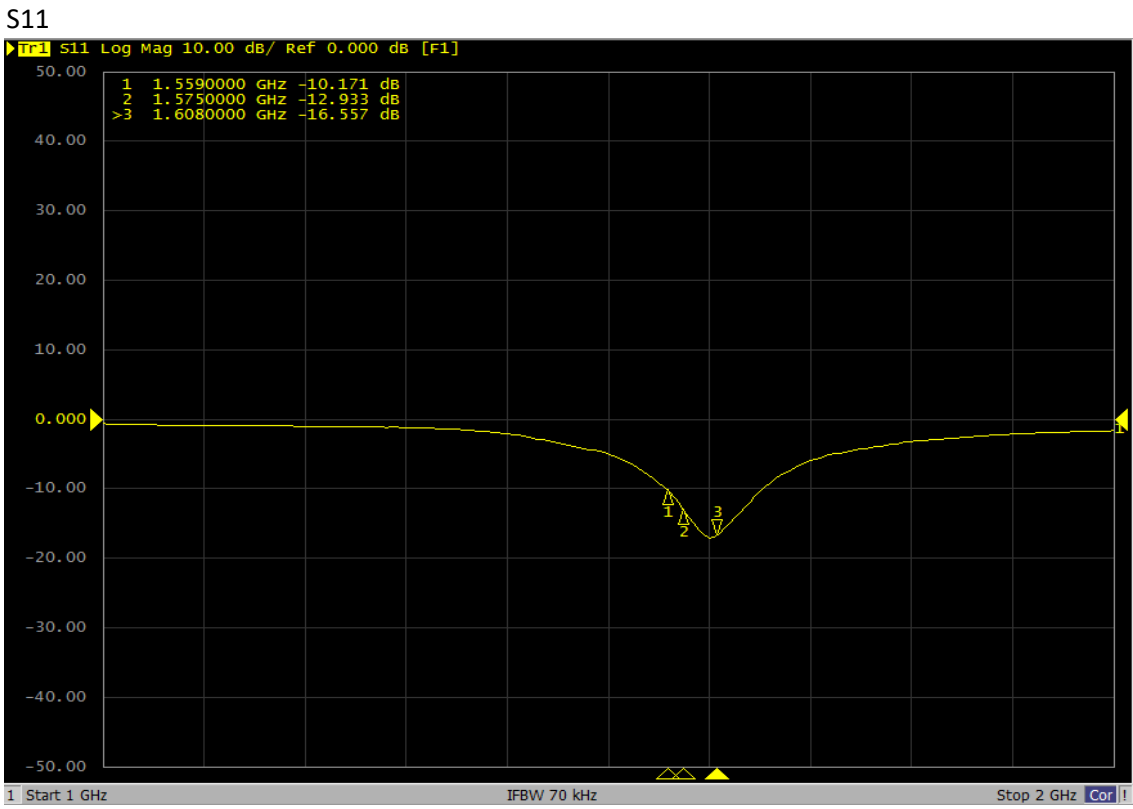
Gain, Efficiency & Radiation Pattern

Frequency (MHz)	2400.00	2405.00	2410.00	2415.00	2420.00	2425.00	2430.00	2435.00	2440.00	2445.00	2450.00	2455.00	2460.00	2465.00	2470.00	2475.00	2480.00	2485.00
Efficiency (%)	67.95	67.79	67.83	68.12	68.33	68.31	68.54	69.35	69.49	69.34	69.13	68.74	68.08	67.71	67.50	66.86	65.99	66.44
Gain (dBi)	2.66	2.61	2.65	2.69	2.70	2.72	2.72	2.79	2.79	2.78	2.80	2.78	2.77	2.71	2.76	2.72	2.67	2.74



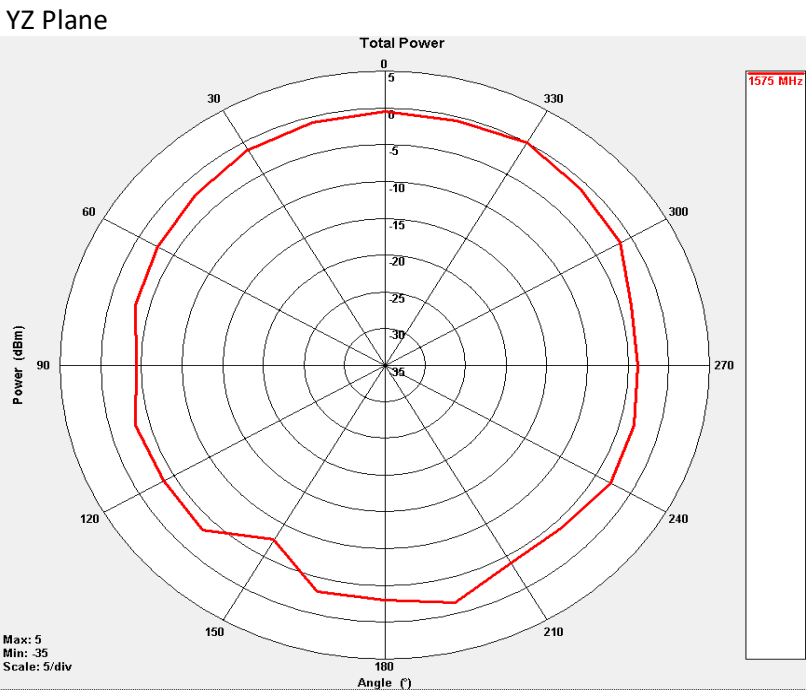
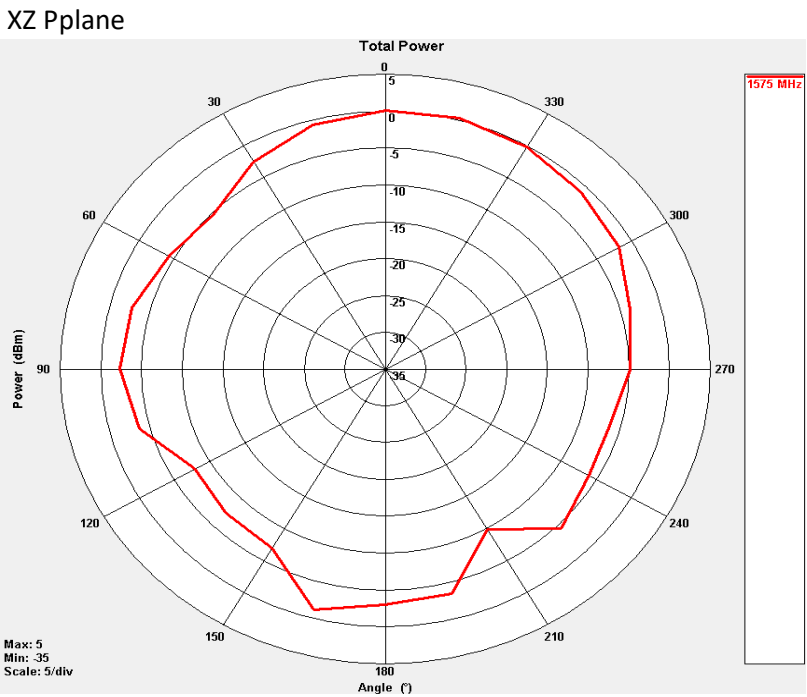
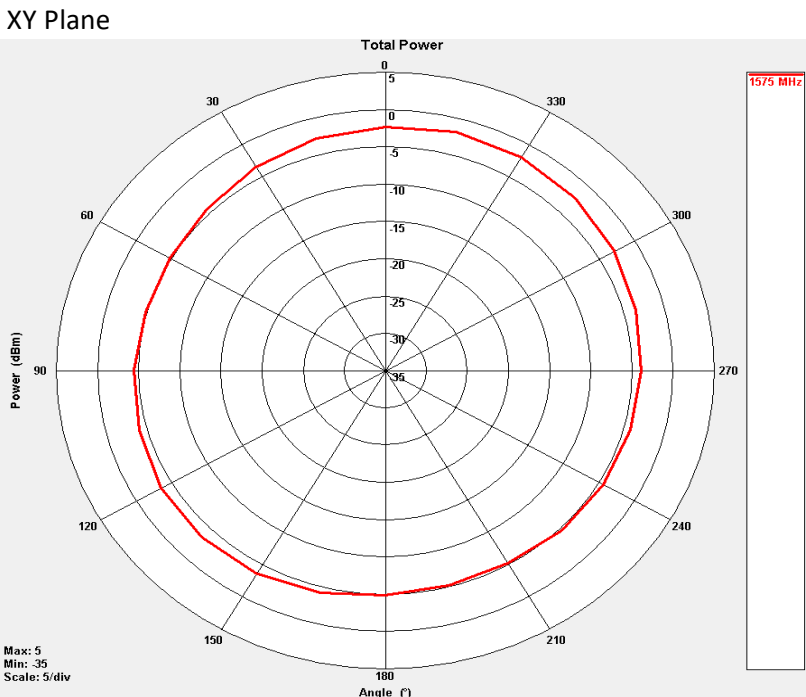
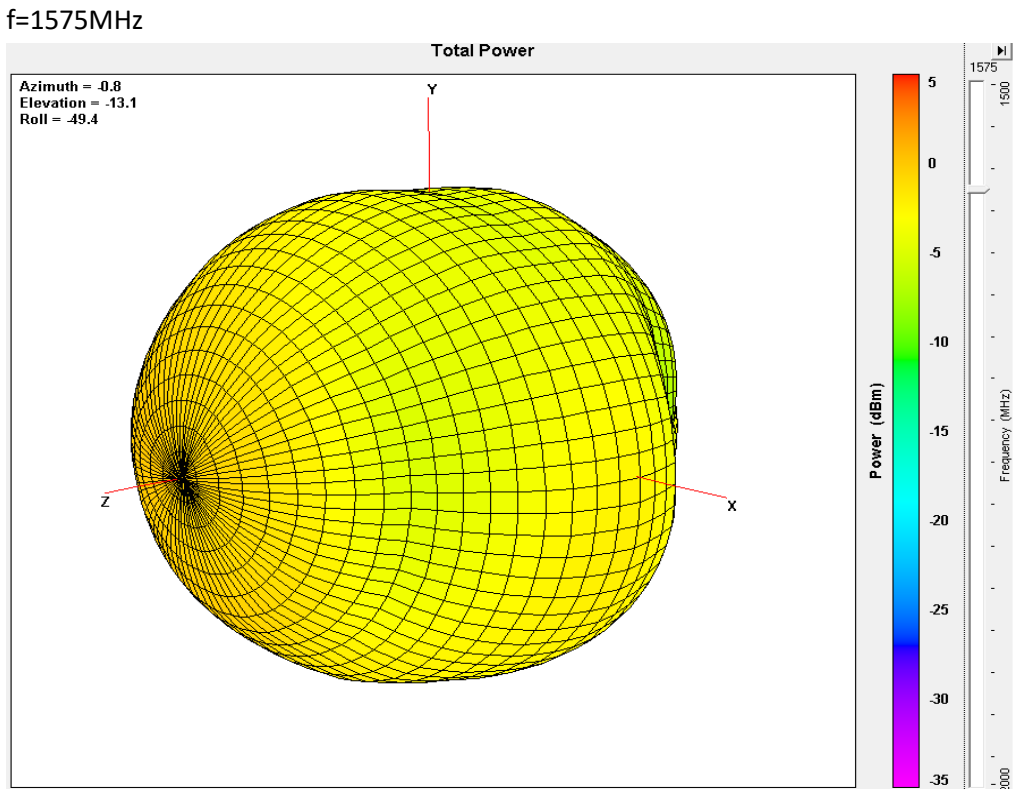
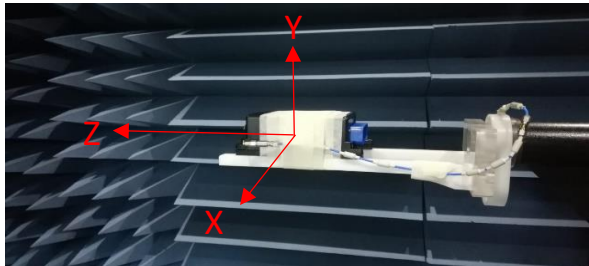
GPS Antenna

Brand : NA
Model : NA
Type : PCB slot antenna (internal)



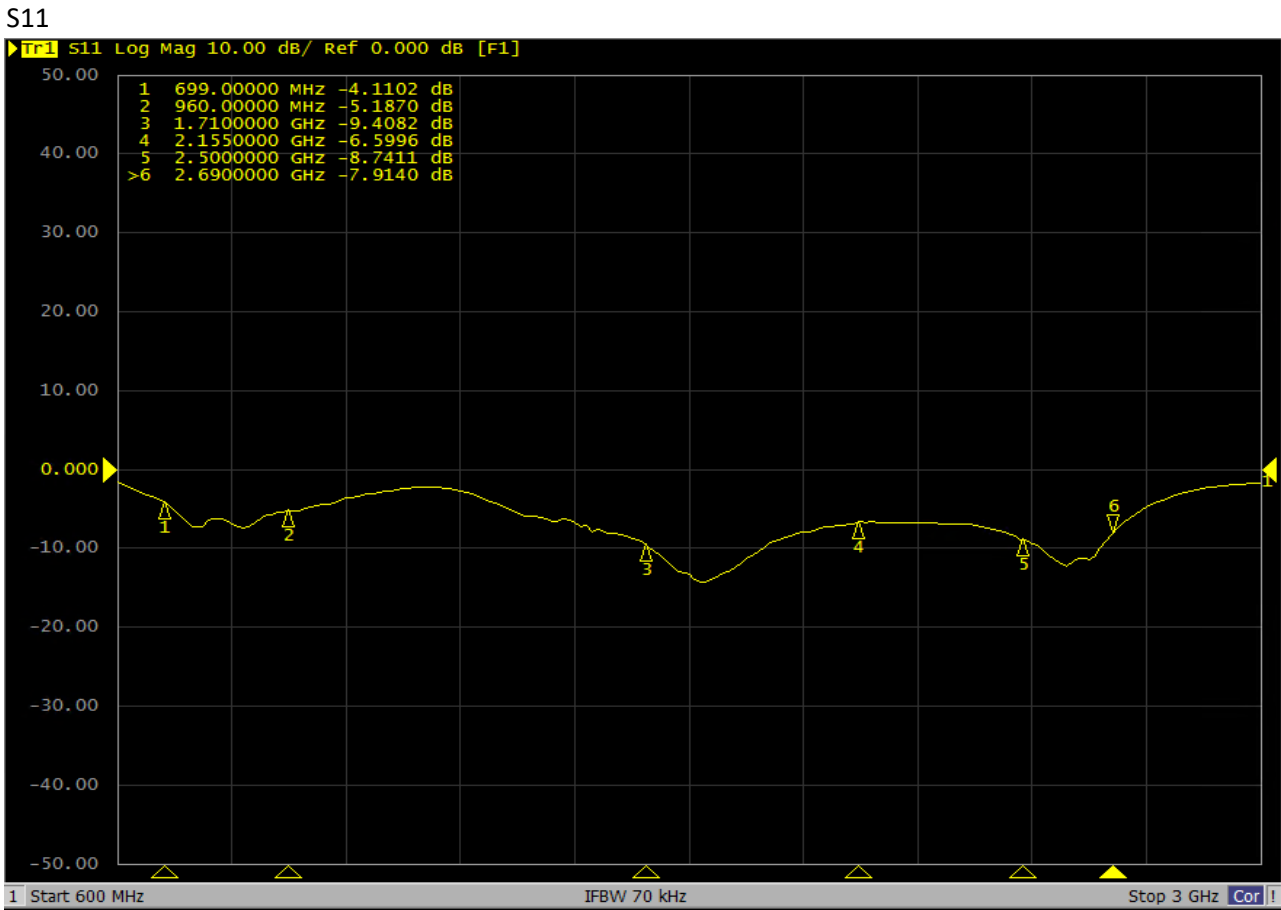
Gain, Efficiency & Radiation Pattern

Frequency (MHz)	1555.00	1560.00	1565.00	1570.00	1575.00	1580.00	1585.00	1590.00	1595.00	1600.00	1605.00	1610.00
Efficiency (%)	45.84	46.78	47.50	47.42	47.23	47.50	47.85	47.95	48.72	48.59	49.09	49.34
Gain (dBi)	-0.45	-0.31	-0.09	0.03	0.14	0.25	0.39	0.46	0.58	0.60	0.77	0.82



WWAN Antenna

Brand : NA
Model : NA
Type : PCB trace antenna (internal)

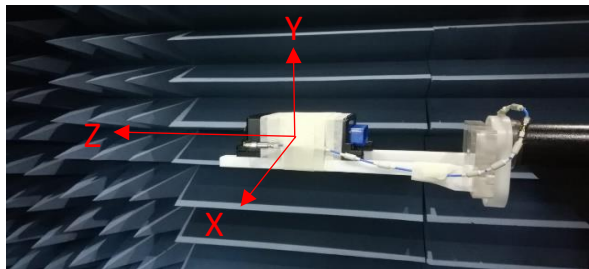


Gain, Efficiency & Radiation Pattern

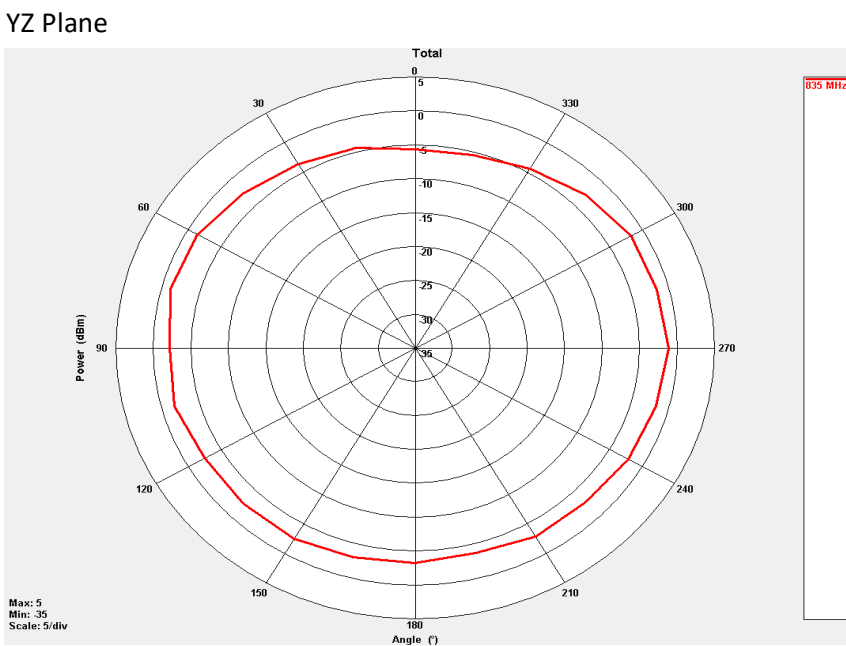
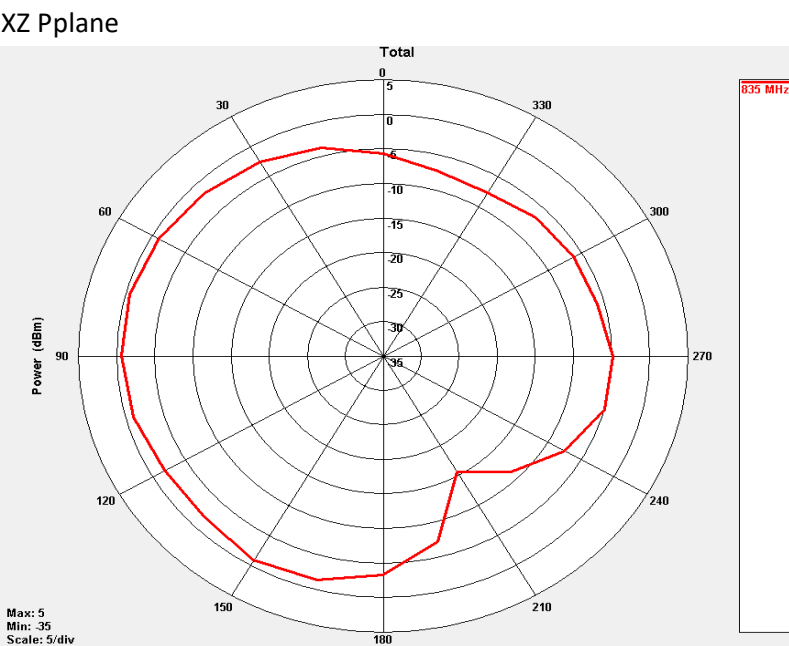
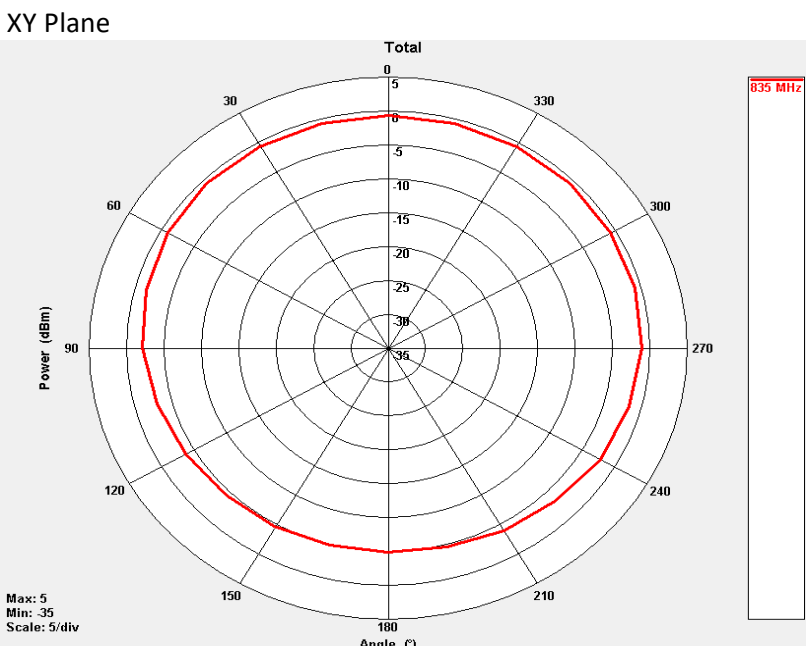
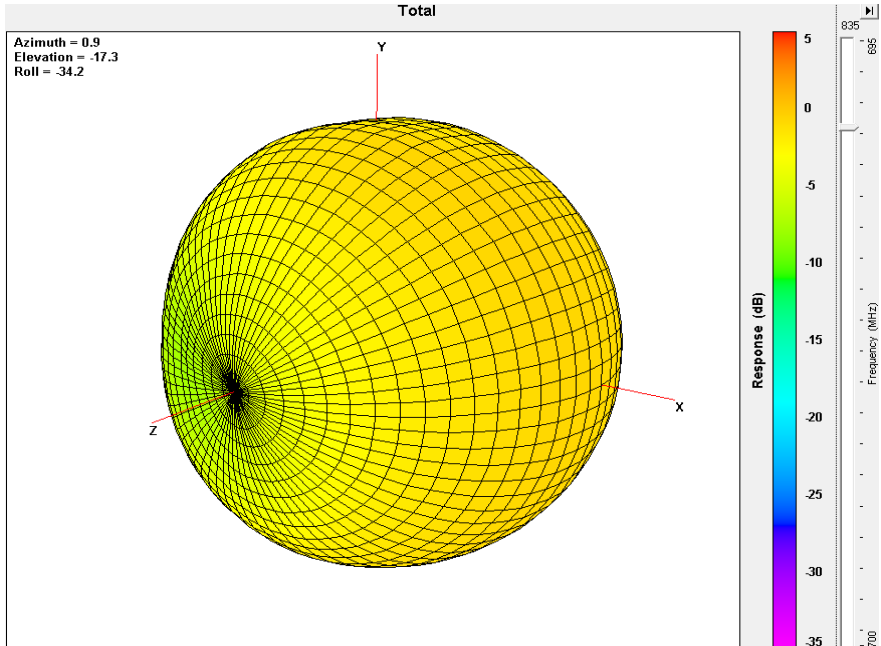
Frequency (MHz)	695.00	700.00	710.00	720.00	730.00	740.00	750.00	760.00	770.00	780.00	790.00	800.00	810.00	820.00	830.00	835.00	840.00	850.00	860.00	870.00	880.00	890.00	900.00	910.00	920.00	930.00	940.00	950.00	960.00
Efficiency (%)	55.43	55.15	55.22	55.73	55.77	56.19	57.22	57.41	57.89	58.40	58.13	58.80	54.70	54.36	53.51	52.46	52.56	51.63	50.87	50.56	50.29	49.78	49.30	50.02	47.93	46.33	45.06	44.04	43.50
Gain (dBi)	-0.78	-0.77	-0.77	-0.66	-0.44	-0.21	0.09	0.25	0.36	0.29	0.17	0.14	-0.22	-0.27	-0.35	-0.49	-0.45	-0.51	-0.53	-0.52	-0.49	-0.50	-0.51	-0.41	-0.55	-0.64	-0.71	-0.75	-0.80

Frequency (MHz)	1710.00	1720.00	1730.00	1740.00	1750.00	1760.00	1770.00	1780.00	1790.00	1800.00	1810.00	1820.00	1830.00	1840.00	1845.00	1850.00	1855.00	1860.00	1870.00	1880.00	1890.00	1900.00	1910.00	1920.00	1930.00	1940.00	1950.00	1960.00	1970.00
Efficiency (%)	65.97	67.22	65.72	66.30	66.72	67.35	67.71	67.17	66.91	67.32	67.80	68.10	68.03	68.03	68.26	68.32	68.92	69.14	69.48	69.12	68.55	68.42	68.88	69.44	70.20	70.18	69.47	67.05	65.46
Gain (dBi)	3.30	3.39	3.26	3.25	3.23	3.23	3.23	3.12	3.05	3.00	2.91	2.79	2.59	2.41	2.35	2.33	2.33	2.29	2.32	2.25	2.09	1.93	1.77	1.64	1.65	1.65	1.56	1.37	1.33

Frequency (MHz)	1980.00	1990.00	2000.00	2010.00	2020.00	2030.00	2040.00	2050.00	2060.00	2070.00	2080.00	2090.00	2100.00	2110.00	2120.00	2130.00	2140.00	2150.00	2160.00	2170.00
Efficiency (%)	63.87	62.08	61.12	61.21	61.15	60.66	59.76	59.28	58.83	58.39	57.88	56.68	55.77	54.38	52.63	51.51	50.95	50.93	51.17	50.75
Gain (dBi)	1.36	1.41	1.40	1.32	1.36	1.50	1.59	1.72	1.71	1.60	1.55	1.49	1.45	1.45	1.37	1.34	1.29	1.25	1.24	1.36



f=835MHz



f=1880MHz

