

Terminal antenna 457-467
Polarization V



Dipole Communications LTD.

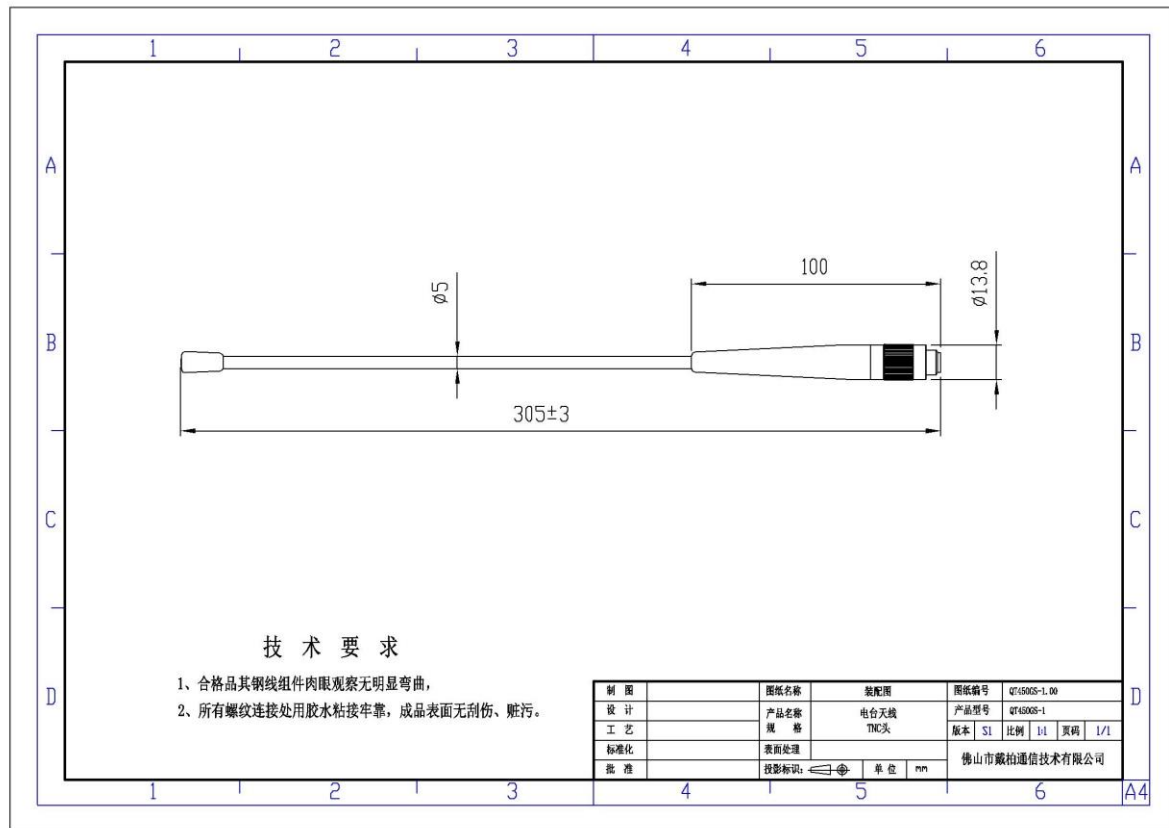
457~467MHz 2.21dBi Terminal antenna

Specifications	QT450GS-1
Frequency (MHz)	457~467
Bandwidth (MHz)	10
Polarization	Vertical
Gain (dBi)	2.21
Impedance (Ω)	50
VSWR	≤ 2
Max. Power (W)	20
Connector	SMA Male
Length (mm)	305
Colour	Gray
Weight (g)	50
Wind load (km/h)	90





1、Outline drawings



2、VSWR

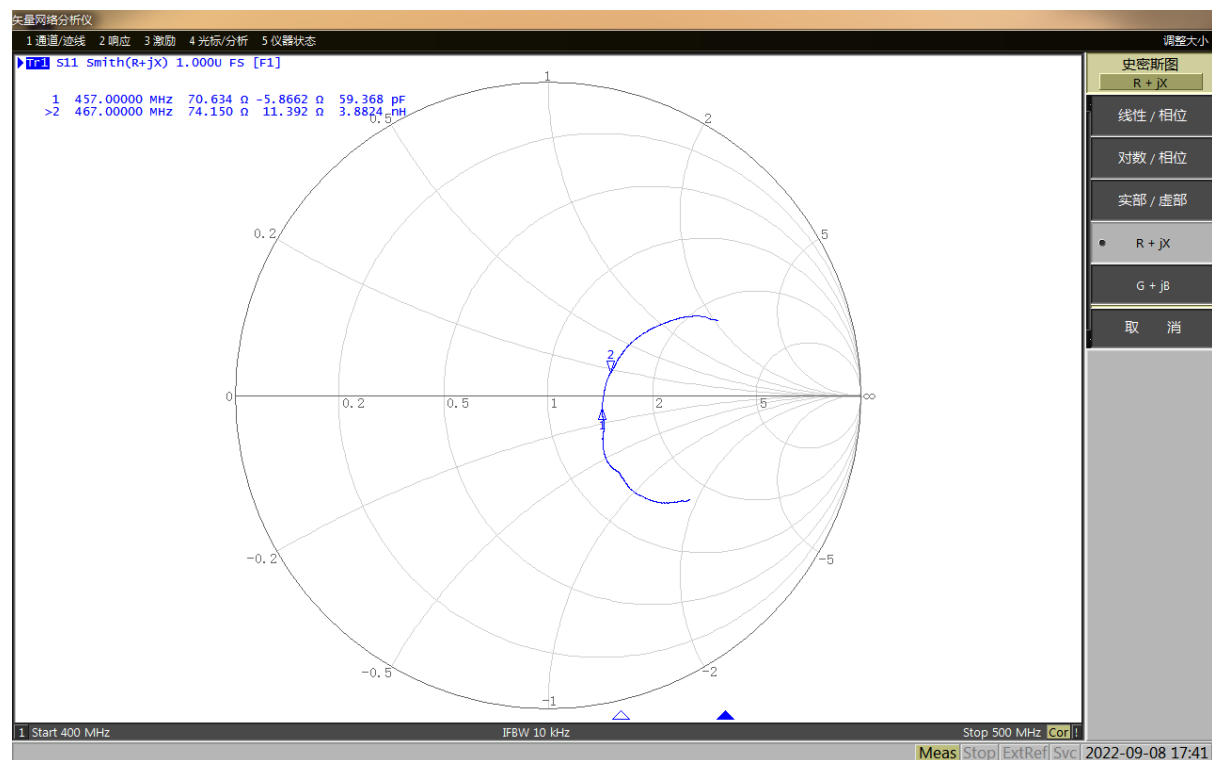




3、S11 chart

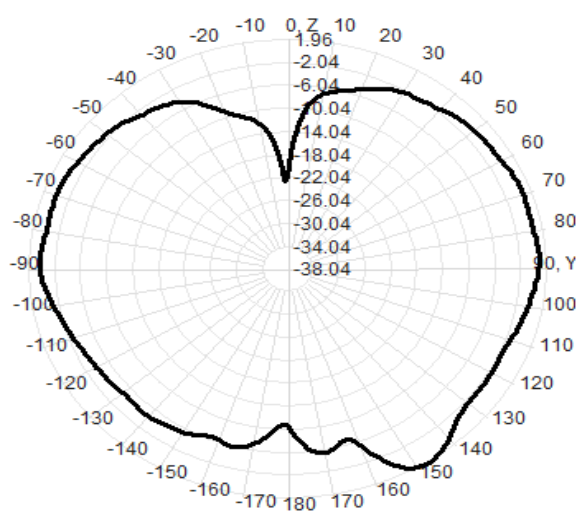


4、Smith chart

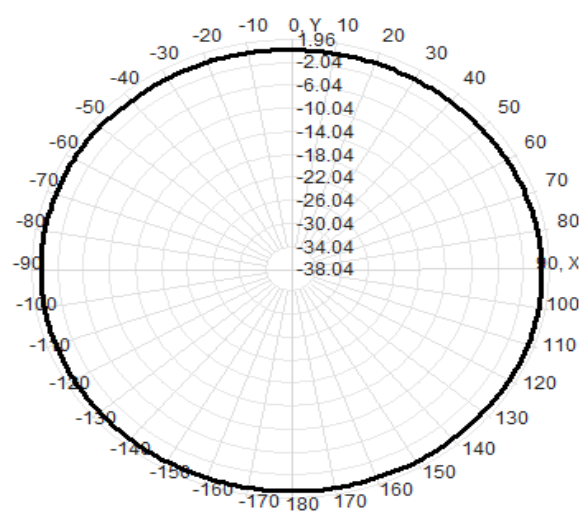




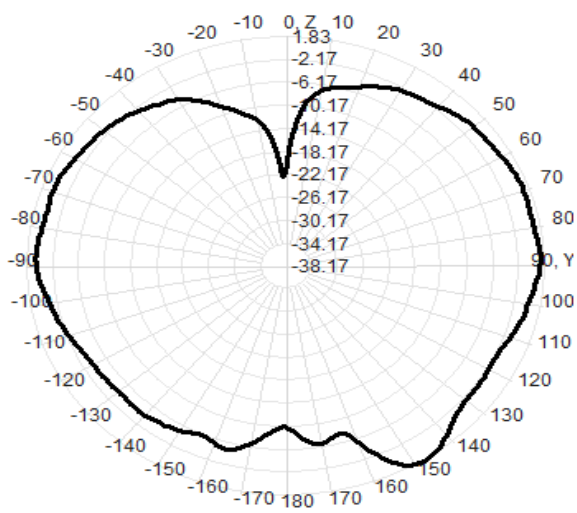
5、2D Radiation pattern



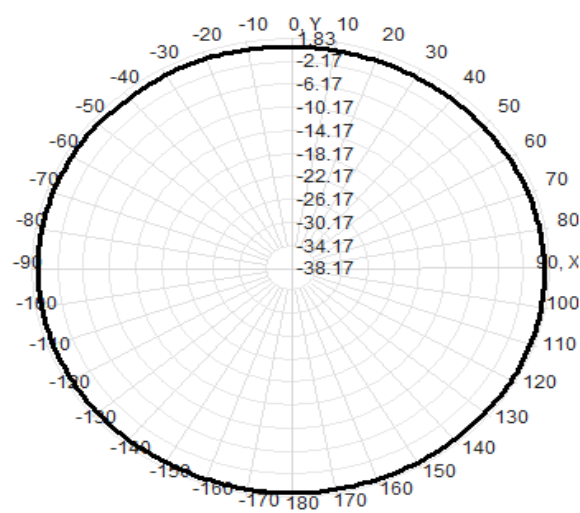
E(410.1MHz)



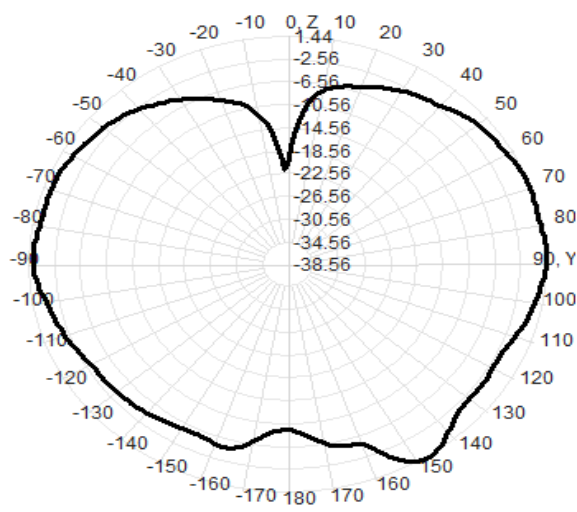
H(410.1MHz)



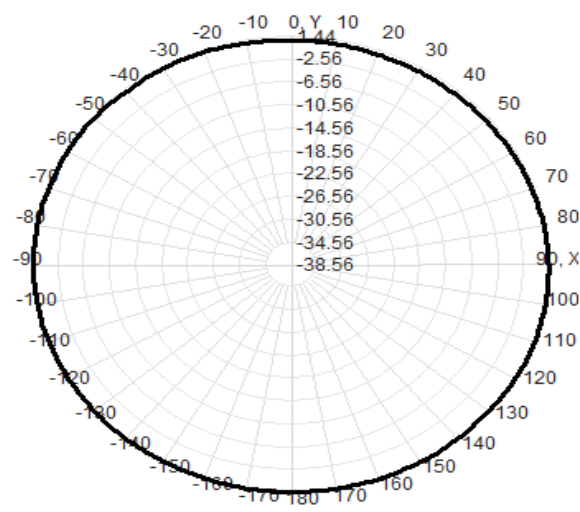
E(412.2MHz)



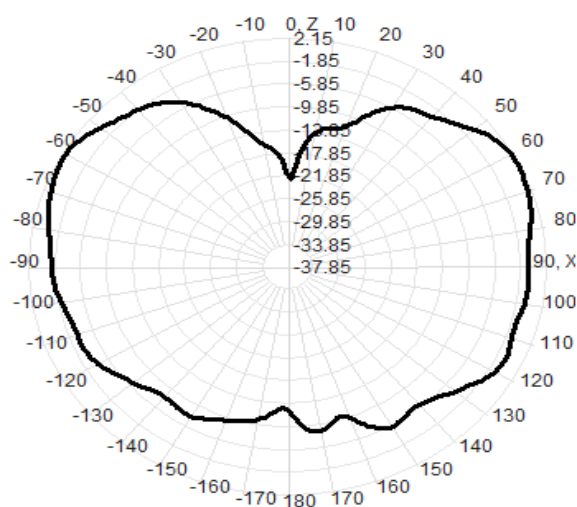
H(412.2MHz)



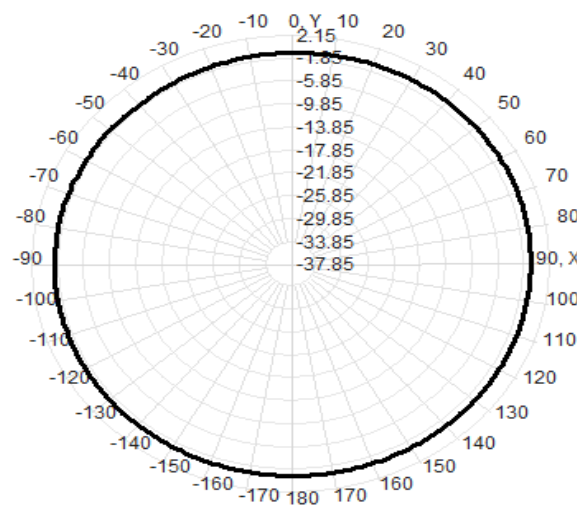
E(415.5MHz)



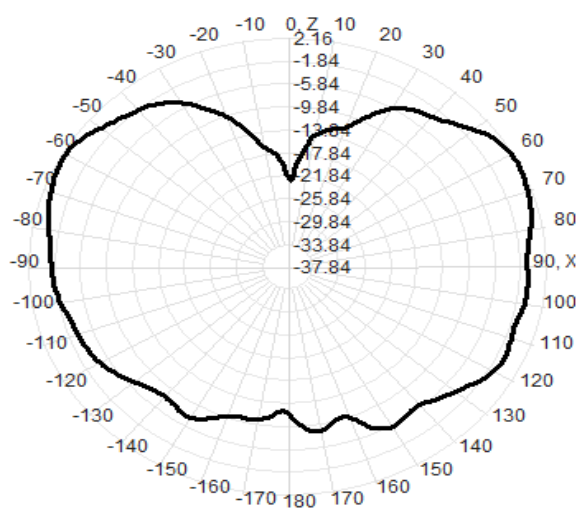
H(415.5MHz)



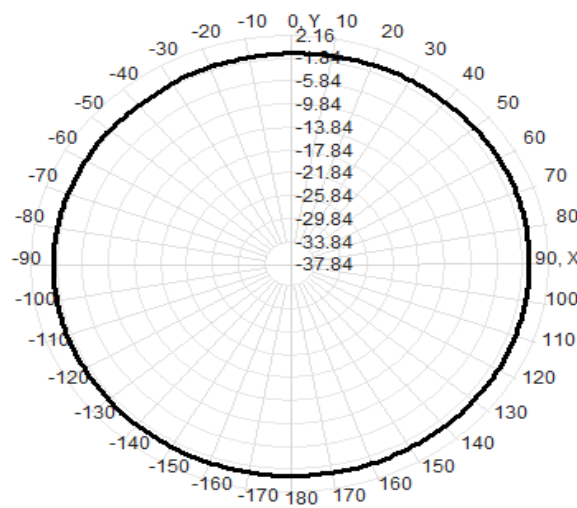
E(440MHz)



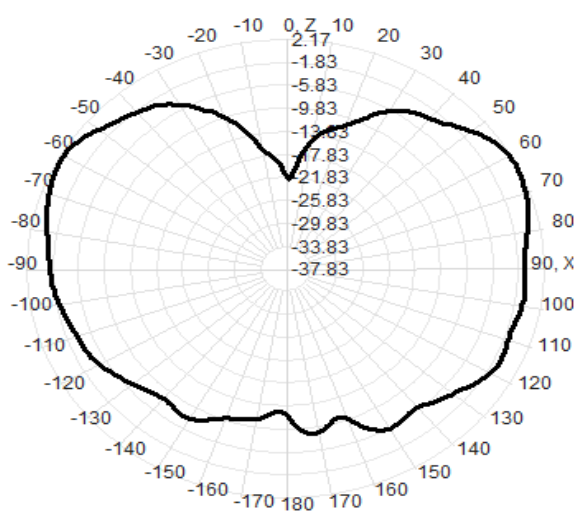
H(440MHz)



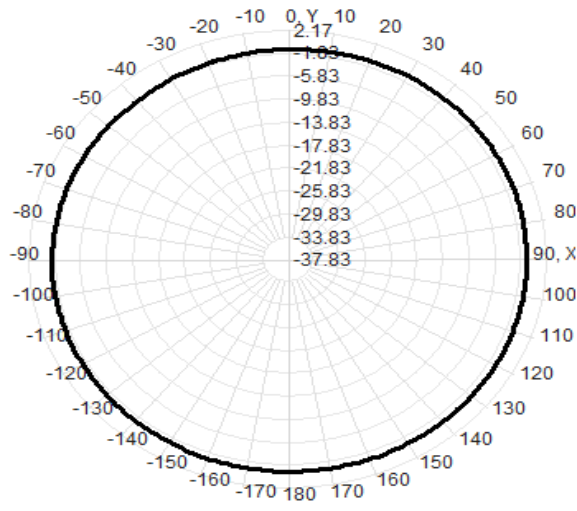
E(442.5MHz)



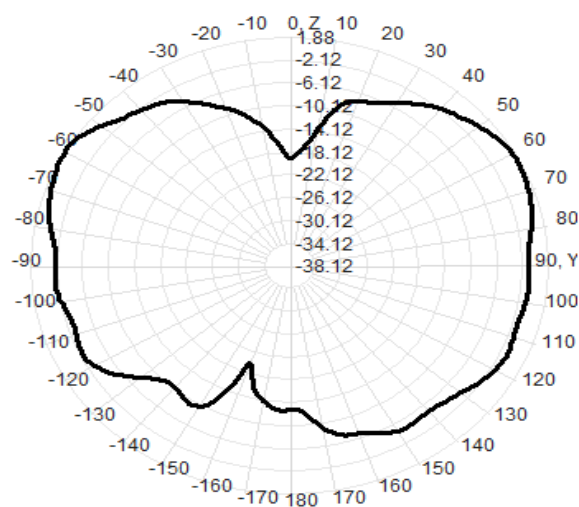
H(442.5MHz)



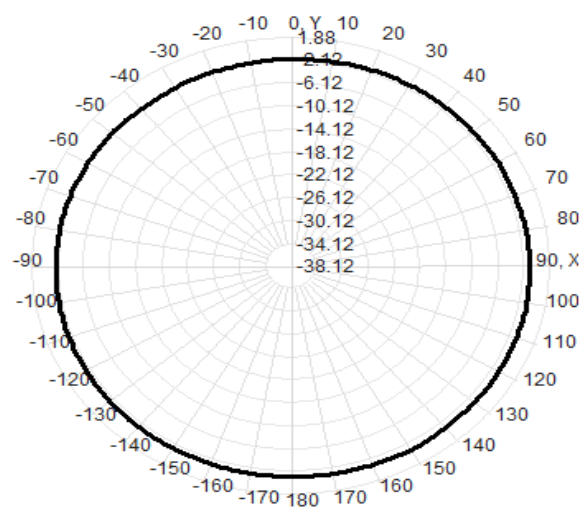
E(445.6MHz)



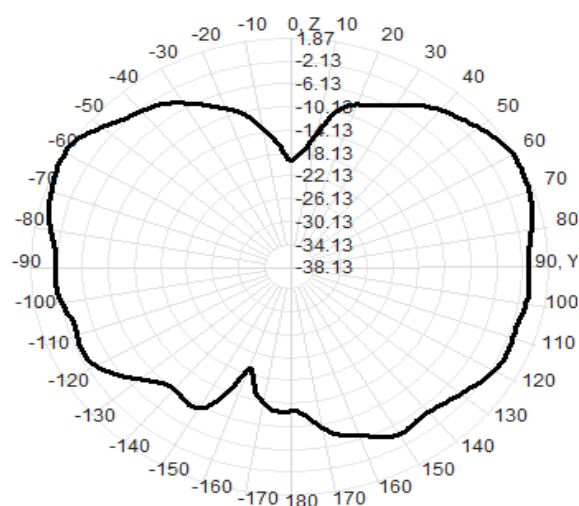
H(445.6MHz)



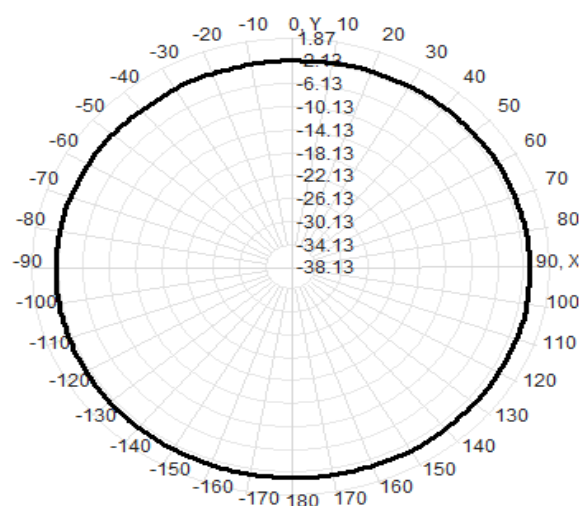
E(465.3MHz)



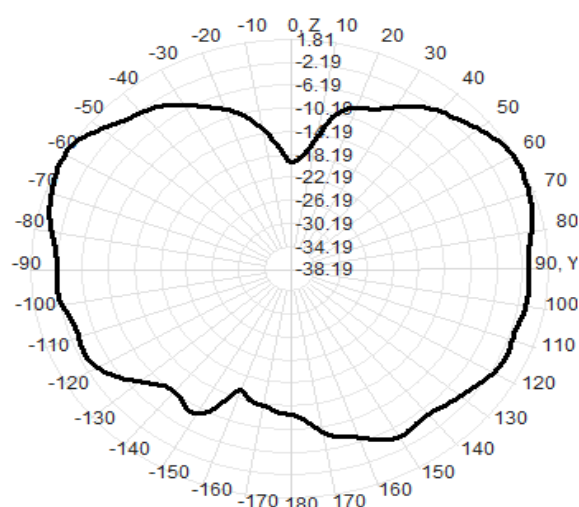
H(465.3MHz)



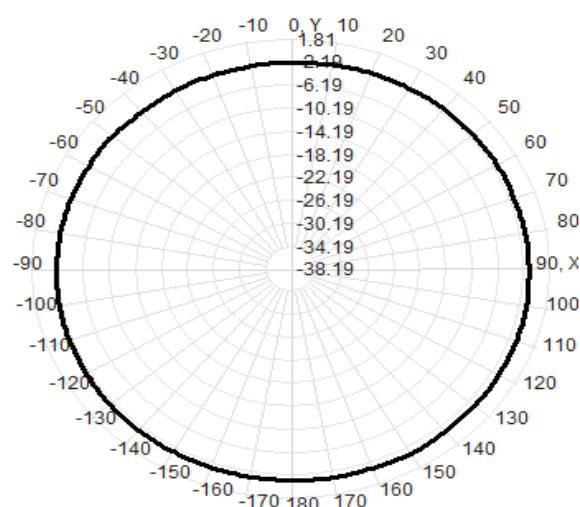
E(466.5MHz)



H(466.5MHz)



E(467.6MHz)



H(467.6MHz)

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6、Gain curve

Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	410.1	412.2	415.5	440.0	442.5	445.6	465.3	466.5	467.6
Efficiency (dBi)	-1.47	-1.33	-1.16	-1.65	-1.67	-1.74	-2.00	-2.03	-2.13
Gain (dBi)	2.03	1.89	1.54	2.17	2.21	2.21	1.89	1.88	1.82
Efficiency (%)	71.27	73.55	76.60	68.43	68.08	66.98	63.03	62.66	61.20

