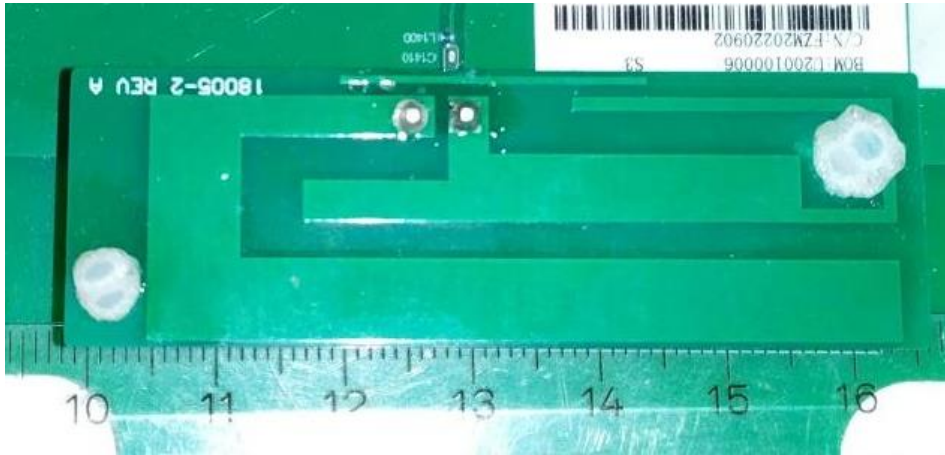


MAERSK SEKSTANT REV F.2. - LTE ANTENNA



Dipole Antenna

- Measurements 63mm x 21mm
- 13mm above main PCB
- 65mm x 23 mm ground clearance under antenna on main PCB

ELECTRICAL SPECIFICATION

Frequency Range
700-2400MHz

Antenna Efficiency
-16.6dB to -2.8dB

Peak Gain
1.8 dBi @ 1982MHz

Feed Impedance
50Ω

MANUFACTURER:

Maersk Container
Industry A/S
Bjerndrupvej 47
6360 Tinglev
Denmark

MAERSK SEKSTANT

REV F.2.

- LTE ANTENNA



Results are measured

FCC

GSM850	UL	DL
Peak Gain	-11.5 dBi, f = 837 MHz	-12.1, f = 877 MHz
Average Gain	-11.9 dBi	-12.5 dBi

PCS1900	UL	DL
Peak Gain	1.1 dBi, f = 1910 MHz	1.8 dBi, f = 1982 MHz
Average Gain	0.5 dBi	1.2 dBi

3G

Band II	UL	DL
Peak Gain	1.1 dBi, f = 1910 MHz	1.8 dBi, f = 1982 MHz
Average Gain	0.5 dBi	1.2 dBi

Band V	UL	DL
Peak Gain	-11.5 dBi, f = 837 MHz	-12.1, f = 877 MHz
Average Gain	-11.9 dBi	-12.5 dBi

4G

LTE Band 2	UL	DL
Peak Gain	1.1 dBi, f = 1910 MHz	1.8 dBi, f = 1982 MHz
Average Gain	0.5 dBi	1.2 dBi

LTE Band 4	UL	DL
Peak Gain	0.4 dBi, f = 1720 MHz	1.3 dBi, f = 2132 MHz
Average Gain	-0.4 dBi	0.7 dBi

LTE Band 5	UL	DL
Peak Gain	-11.5 dBi, f = 837 MHz	-12.1, f = 877 MHz
Average Gain	-11.9 dBi	-12.5 dBi

LTE Band 7	UL	DL
Peak Gain	Not Measured	Not Measured
Average Gain		

LTE Band 12	UL	DL
Peak Gain	-13.6 dBi, f = 700 MHz	-12.6, f = 746 MHz
Average Gain	-14.2 dBi	-13.4 dBi

MANUFACTURER:

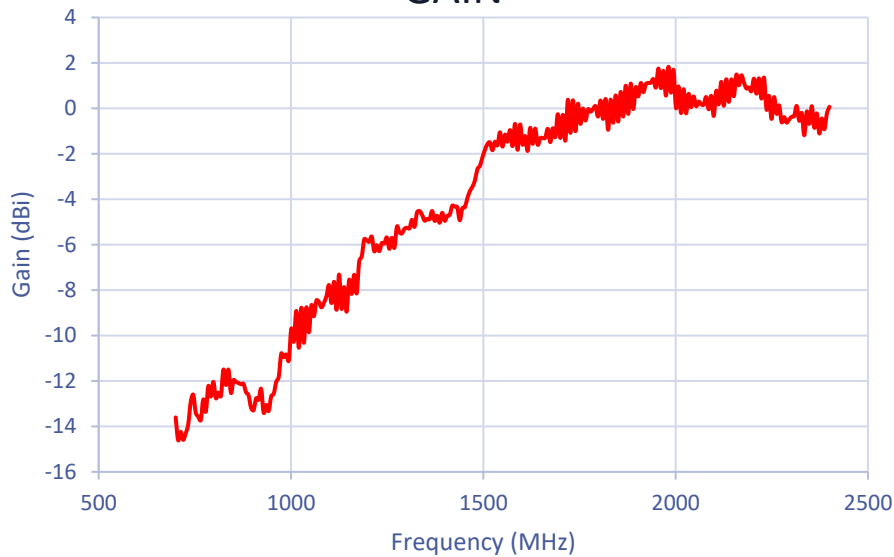
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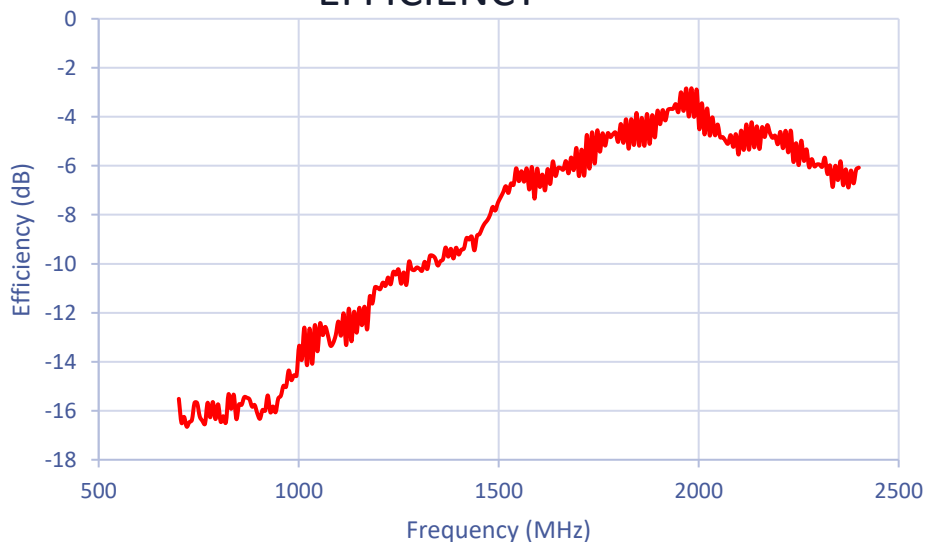


Results are measured

GAIN



EFFICIENCY



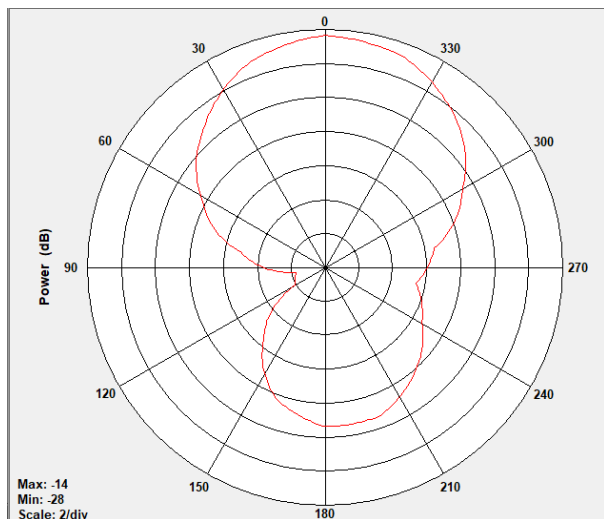
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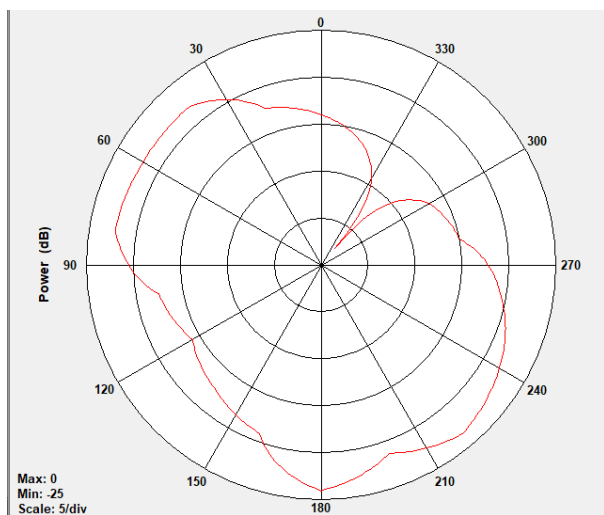
MAERSK SEKSTANT REV F.2. - LTE ANTENNA



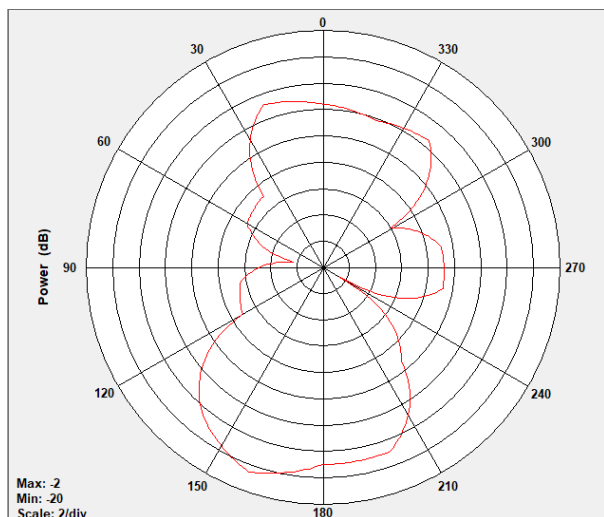
Results are measured



XY-PLANE, $f=1982\text{MHz}$



ZX-PLANE, $f=1982\text{MHz}$



YZ-PLANE, $f=1982\text{MHz}$

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