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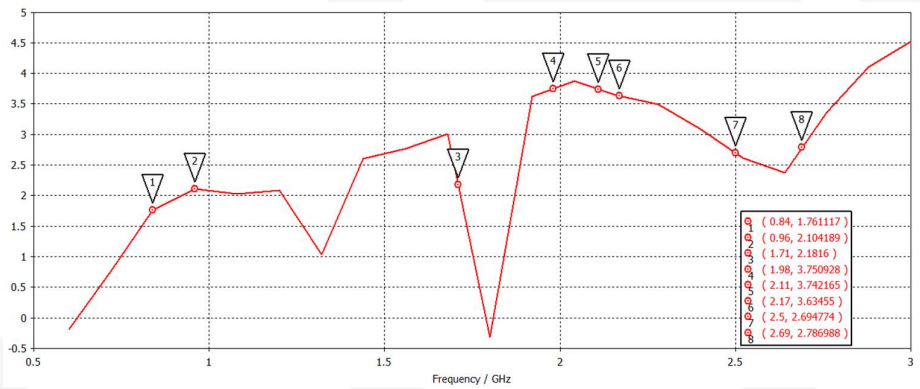
FMM230 antenna test report

- **Frequency ranges:** 791-960 MHz; 1710-2170 MHz; 2560-2690
- **Internal Metal antenna.**
- **Impedance:** 50 Ohm**.**
- **Applications:** LTE CAT1, LTE CATm1.
- **Polarization mode:** Linear.
- **Radiation pattern:** Omni-directional.

Subject: LTE/BLE antenna Gain parameter

Frequency Range, MHz	Peak gain, dBi	Max VSWR (in BW)
B1 (2100)	3.7	≤ 6.0
B2, B25 (1900)	1.04	≤ 5.0
B3 (1800)	2.1	≤ 7.0
B4, B66 (1700)	0.97	≤ 7.0
B5, B18, B19, B26 (850)	1.76	≤ 9.0
B8 (900)	2.1	≤ 9.0
B12, B13, B28, B85 (700)	1.13	≤ 9.0
B20, B27 (800)	1.63	≤ 9.0
B71 (600)	0.5	≤ 9.0
BLE (2400-2483)	0.9	

Gain graph:



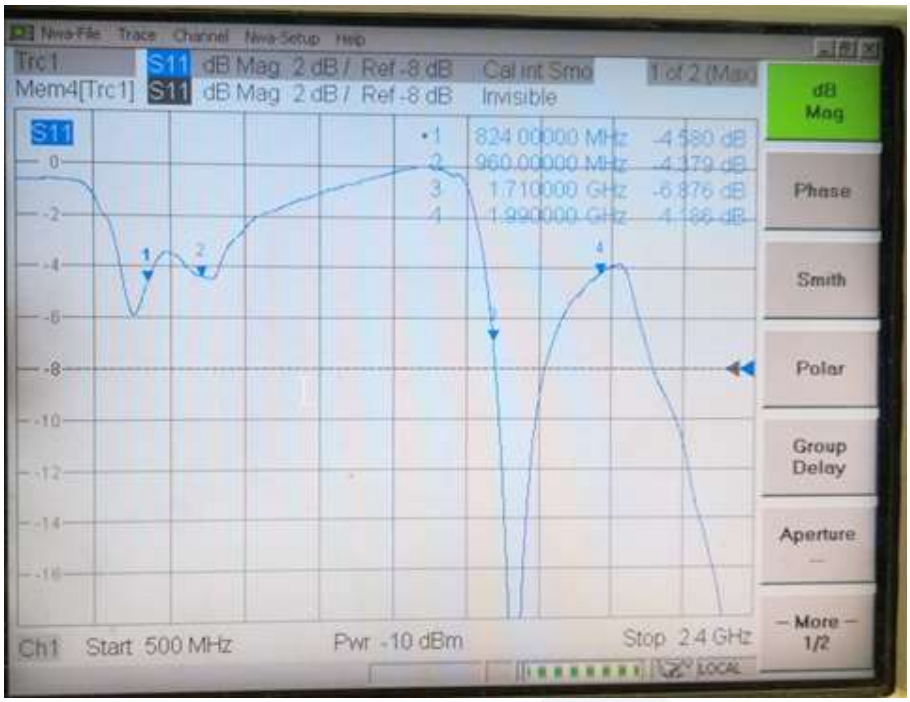
UAB TELTONIKA TELEMATICS
Saltoniskiu st. 9B-1, LT-08105
Vilnius, Lithuania

Registration code 305578349
VAT number LT100013240611

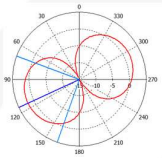
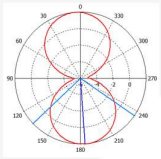
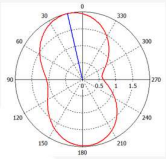
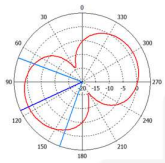
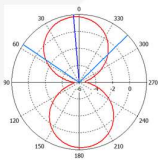
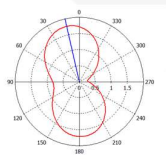
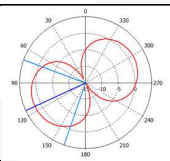
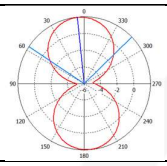
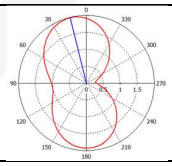
Swedbank AB
LT71 7300 0101 6274 0043
S.W.I.F.T. HABALT22

Data on the company is collected and stored in the Register of Legal Entities of the Republic of Lithuania.

Return loss:



Directional patterns:

Frequency	XY(Theta=90)	XZ (phi=0)	YZ(Phi=90)
830 MHz			
860 MHz			
940 MHz			

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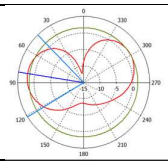
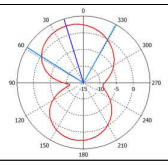
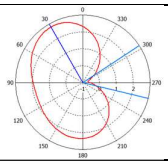
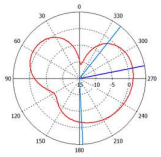
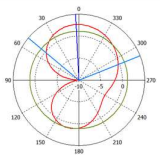
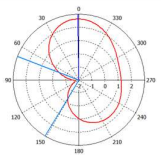
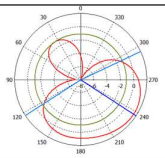
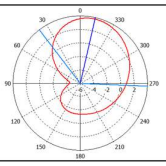
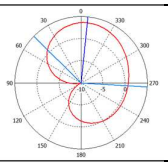
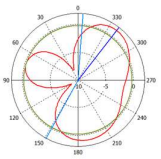
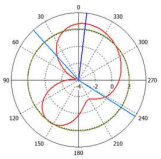
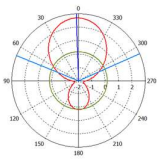
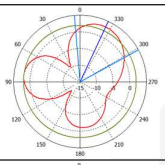
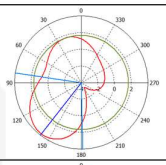
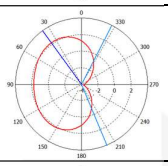
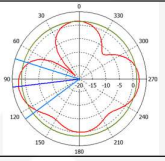
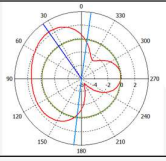
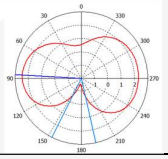
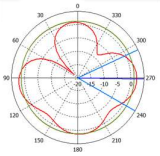
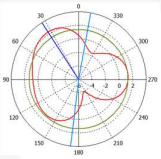
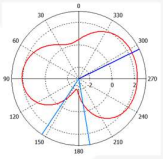
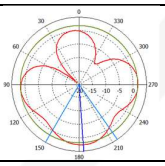
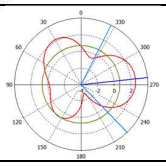
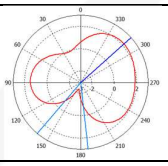
1720 MHz			
1820 MHz			
1940 MHz			
2130 MHz			
2160 MHz			
2510 MHz			
2590 MHz			
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