

FTM134 antenna test report

- LTE-FDD band support B1/3/5/8/20/28
- GSM band support: 850/900/1800/1900
- Peak gain: 3.8 dBi;
- Polarization: Linear;
- Azimuth Beam width: Omni-directional
- Impedance: 50 Ohm
- Operating temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- RoHS compliant.

Subject: LTE/BLE antenna Gain parameter

Frequency Range, MHz	Peak gain, dBi	Max VSWR (in BW)
B1 (2100)	1.57	≤ 6.0
1900	1.7	≤ 5.0
B3 (1800)	1.8	≤ 7.0
B5 (850)	0.18	≤ 9.0
B7 (2600)	3.8	≤ 5.0
B8 (900)	0.18	≤ 9.0
B28 (700)	-0.8	≤ 9.0
B20 (800)	0.12	≤ 9.0

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

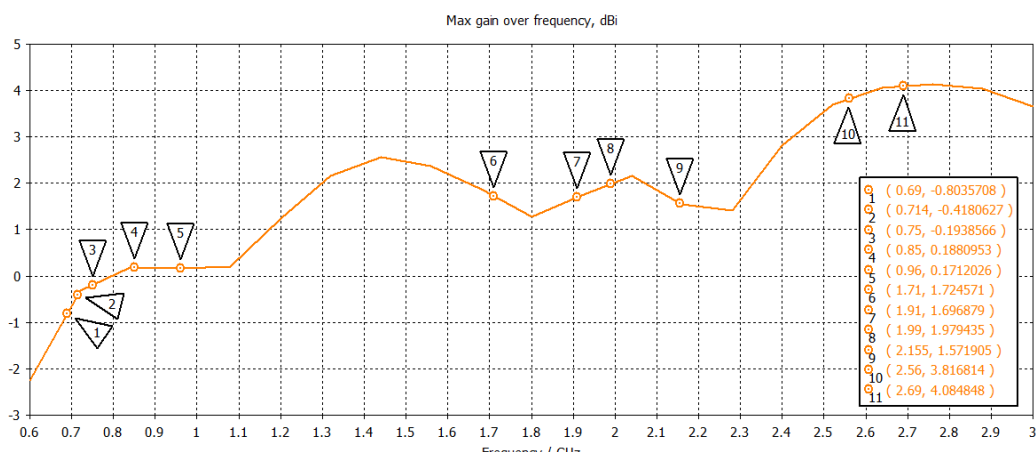
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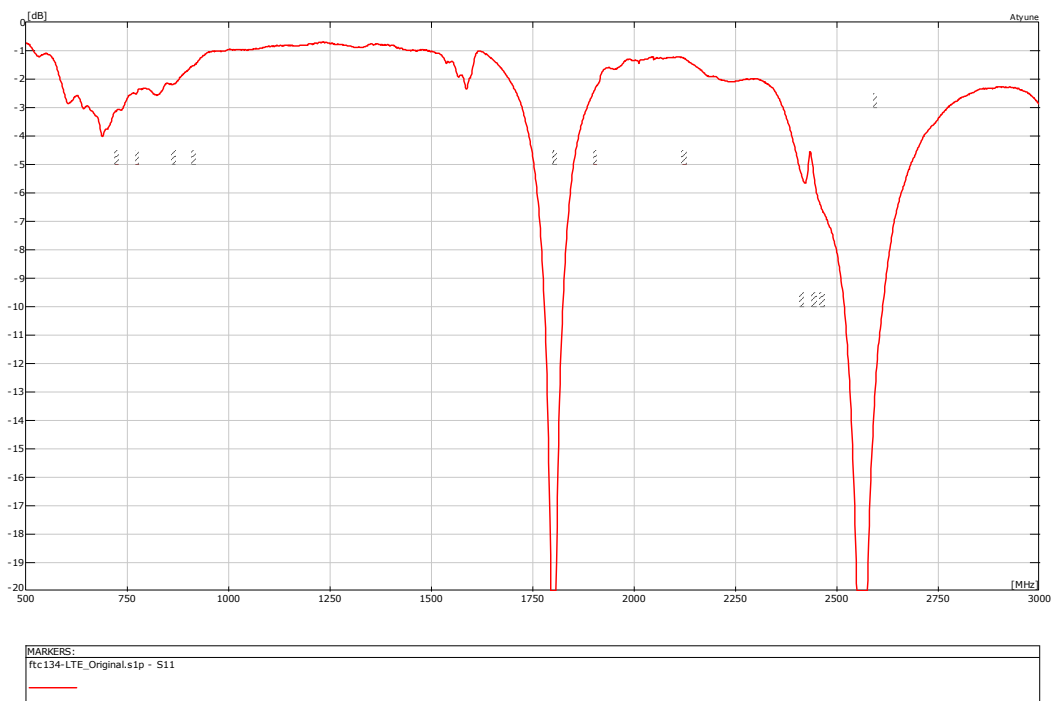
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Gain graph:



Return loss:



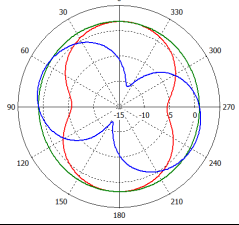
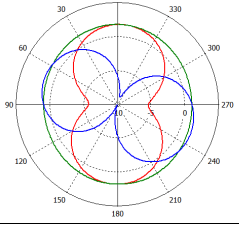
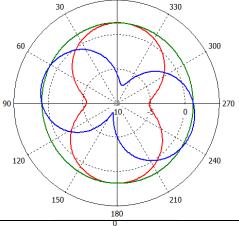
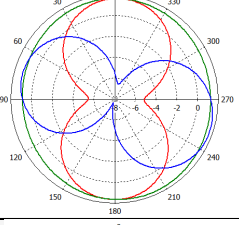
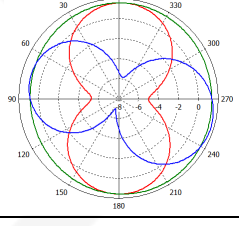
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Frequency	Directional patterns
700 MHz	
750 MHz	
800 MHz	
830 MHz	
860 MHz	

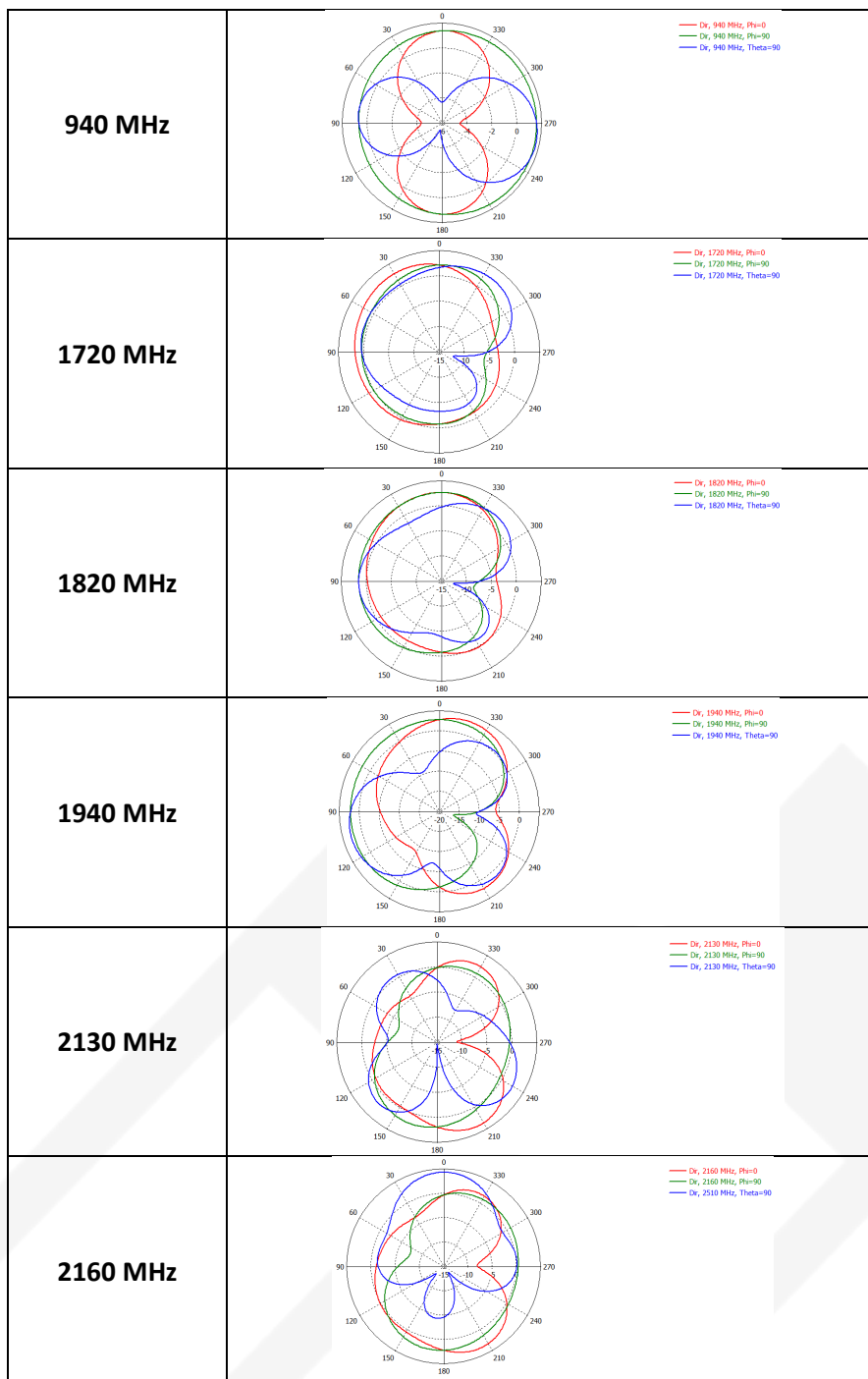
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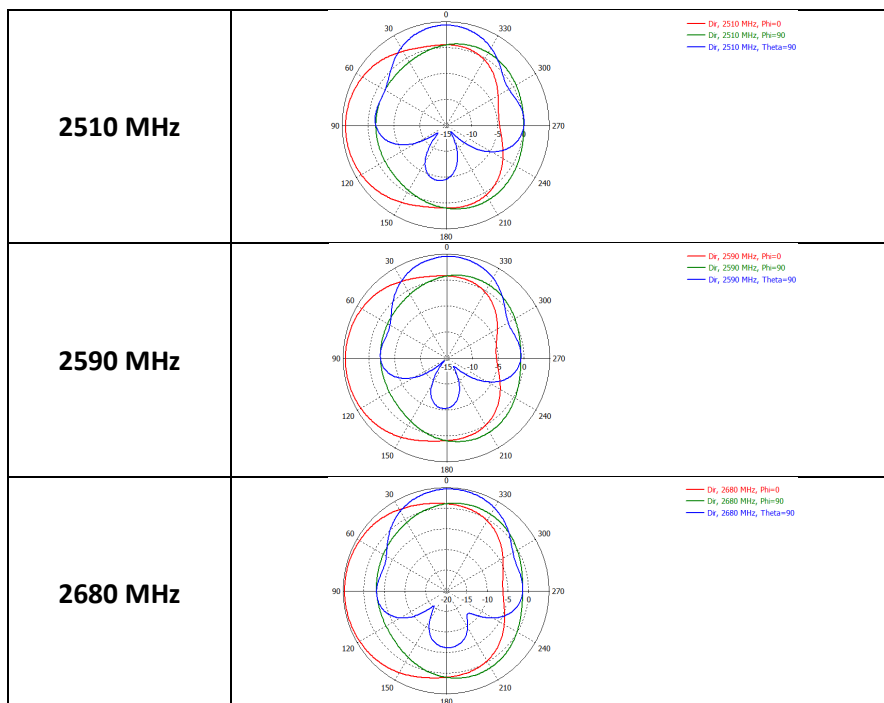
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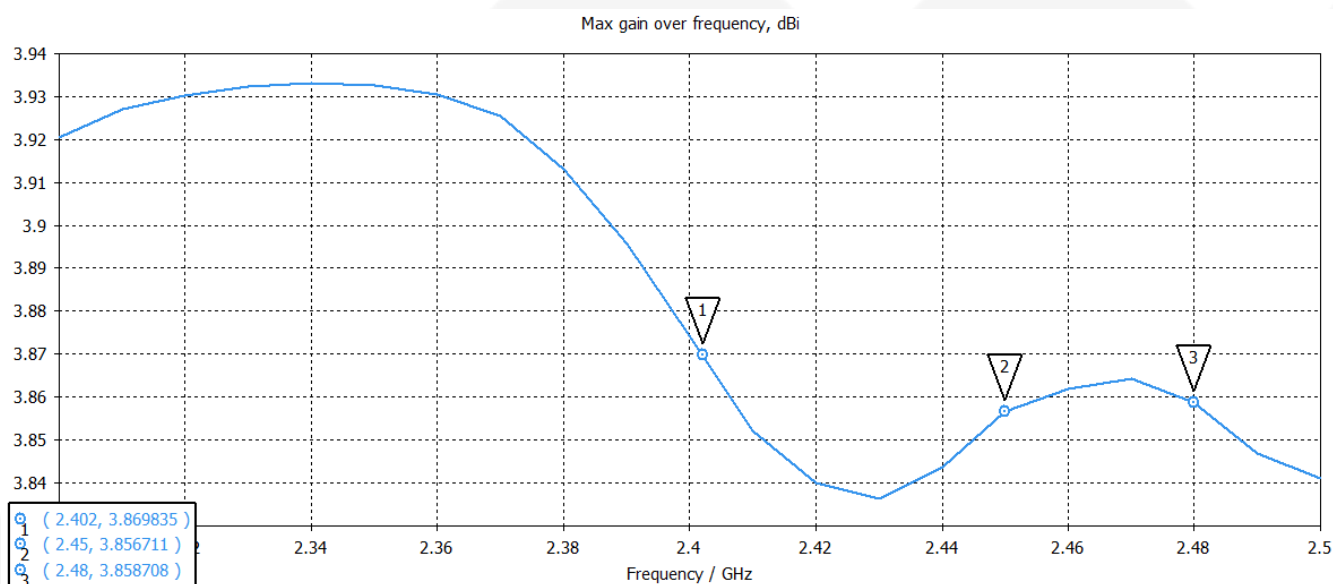
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BLE Gain graph:



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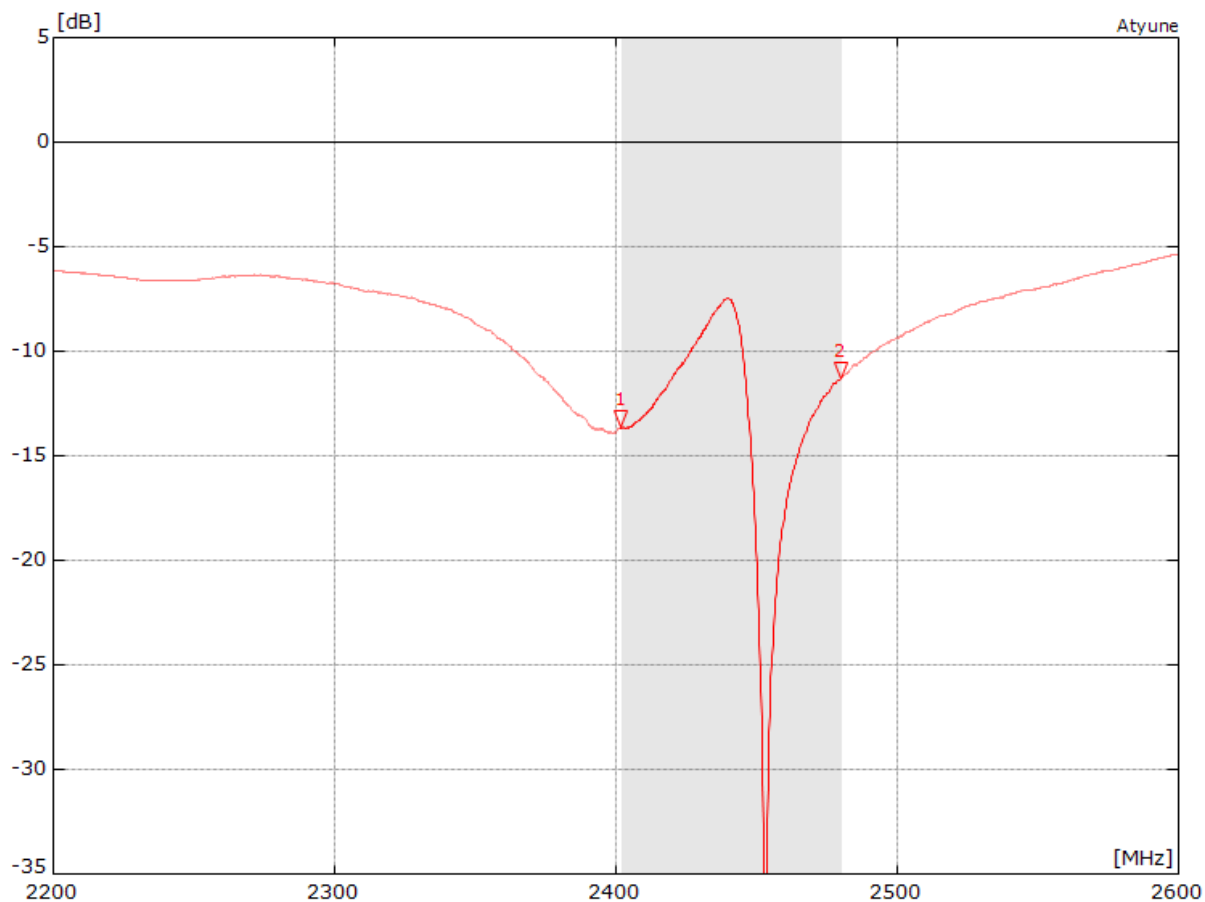
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BLE Return Loss:



MARKERS:	MHz	dB
ftc134-bt.s1p - S11		
— 1:	2402	-13.61
— 2:	2480	-11.27

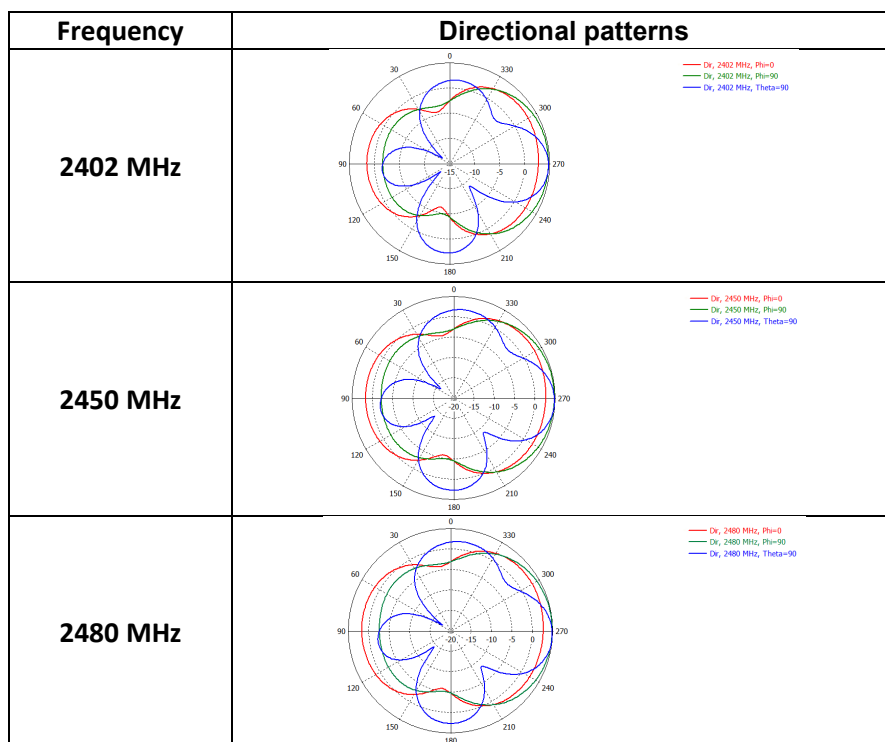
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LTE, BT antenna construction design

TOP view

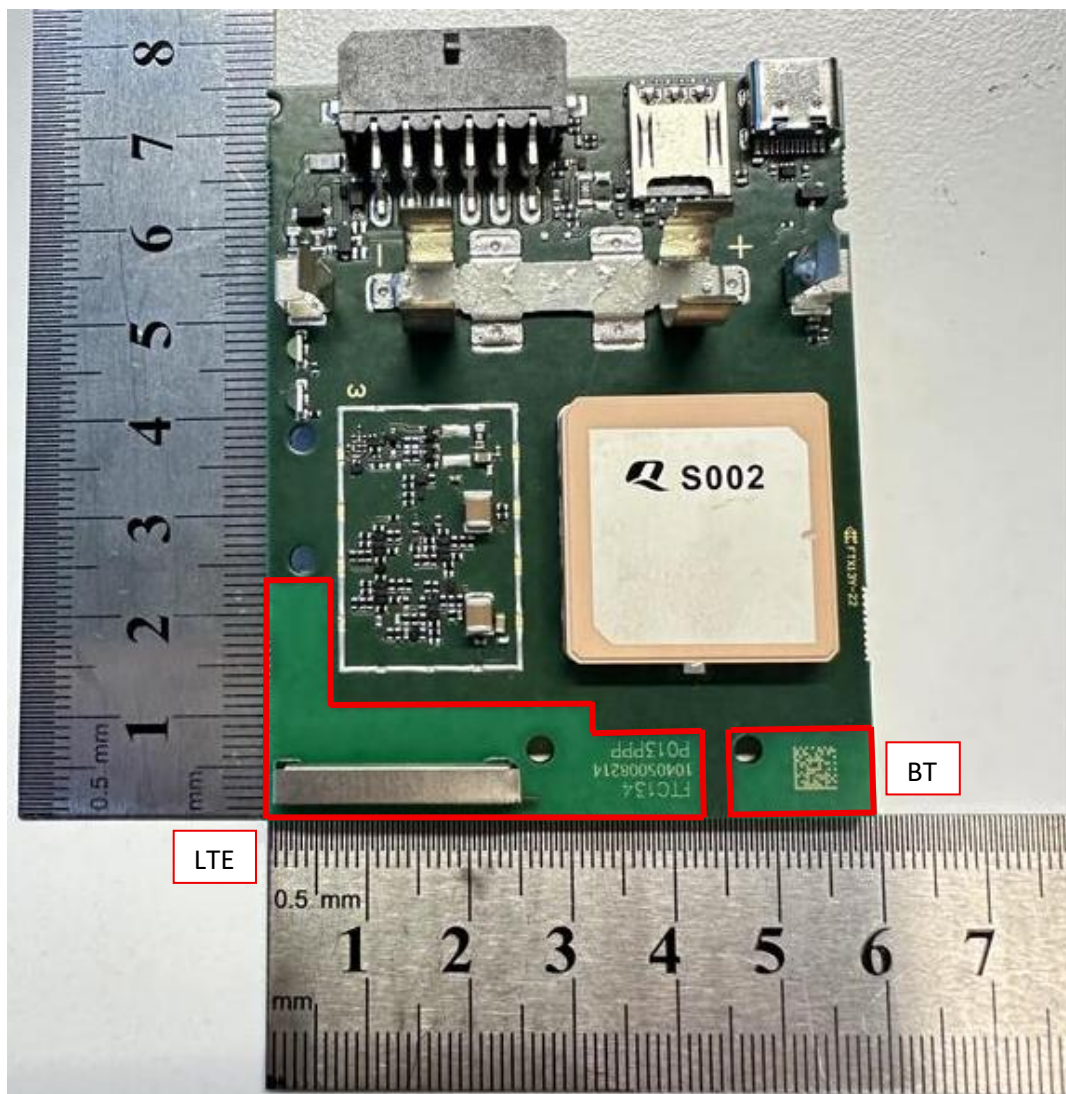
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BOTTOM view

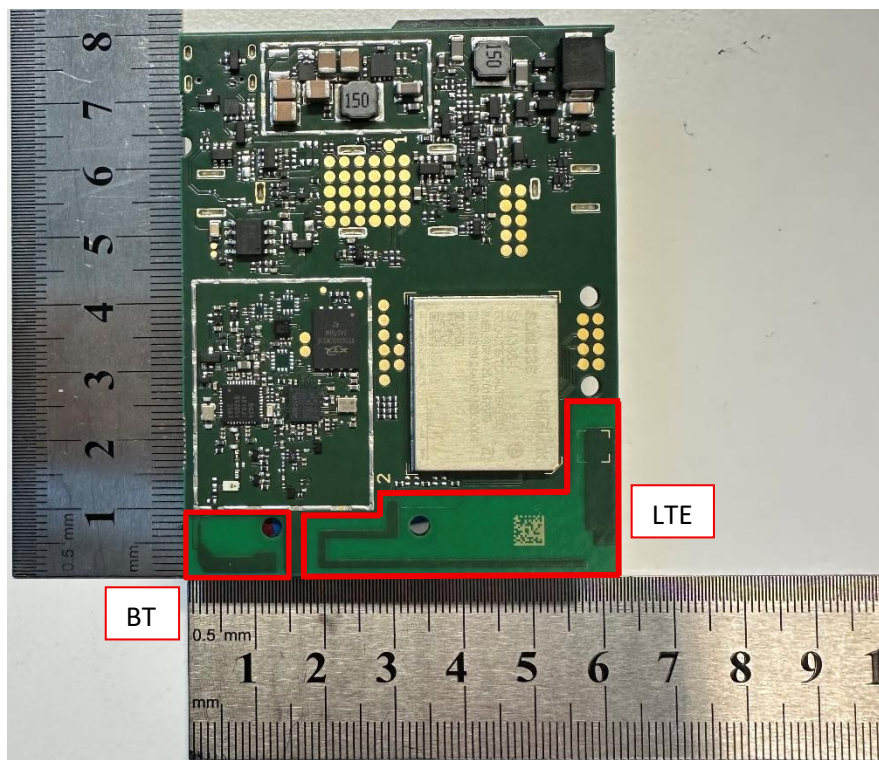
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