

FTM887 antenna test report

- LTE-FDD band support B1/2/3/4/5/8/12/13/18/19/20/25/26(Cat M1 Only)/27 (Cat M1 Only)/28/66/71 (Cat NB2 Only)/85
- Dimensions: 6x36.6x4.1mm;
- Peak gain: 3.5 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)	2.4	≤ 6.0
B2, B25 (1900)	3.3	≤ 5.0
B3 (1800)	2.8	≤ 7.0
B4, B66 (1700)	0.96	≤ 7.0
B5, B18, B19, B26 (850)	2.26	≤ 9.0
B8 (900)	2.69	≤ 9.0
B12, B13, B28, B85 (700)	-1.12	≤ 9.0
B20 (800)	1.55	≤ 9.0
B71 (600)	-5.95	≤ 9.0

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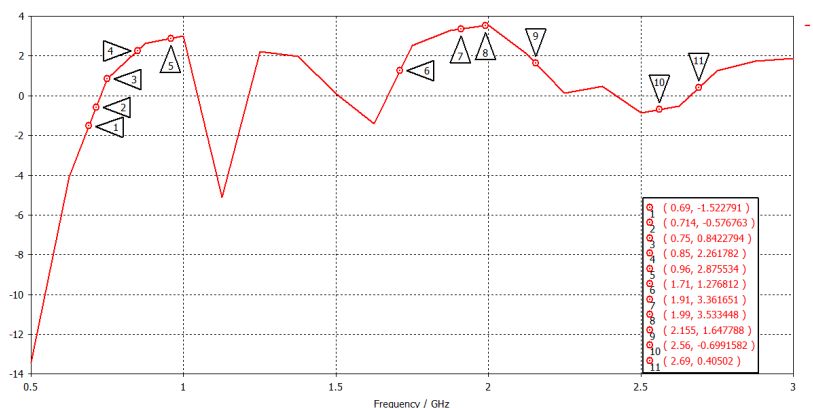
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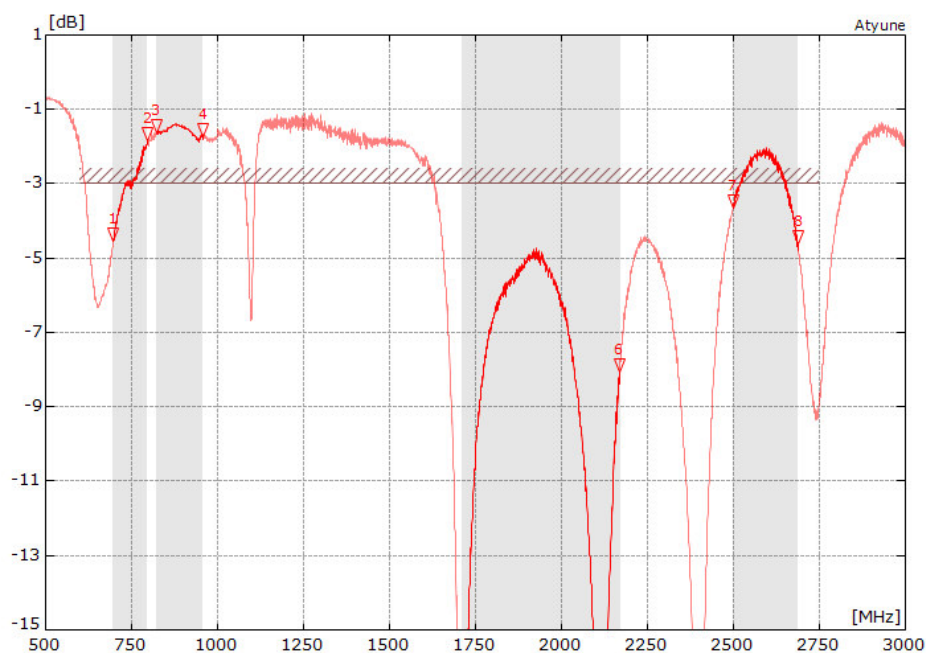
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Gain graph:



Return loss:



MARKERS: MHz		dB	MHz		dB	MHz		dB	MHz		dB
FTW88Y-21 LTE.s1p - S11											
1: 698		-4.52	3: 824		-1.60	5: 1710		-22.76	7: 2500		-3.64
2: 798		-1.84	4: 960		-1.73	6: 2170		-8.04	8: 2690		-4.59

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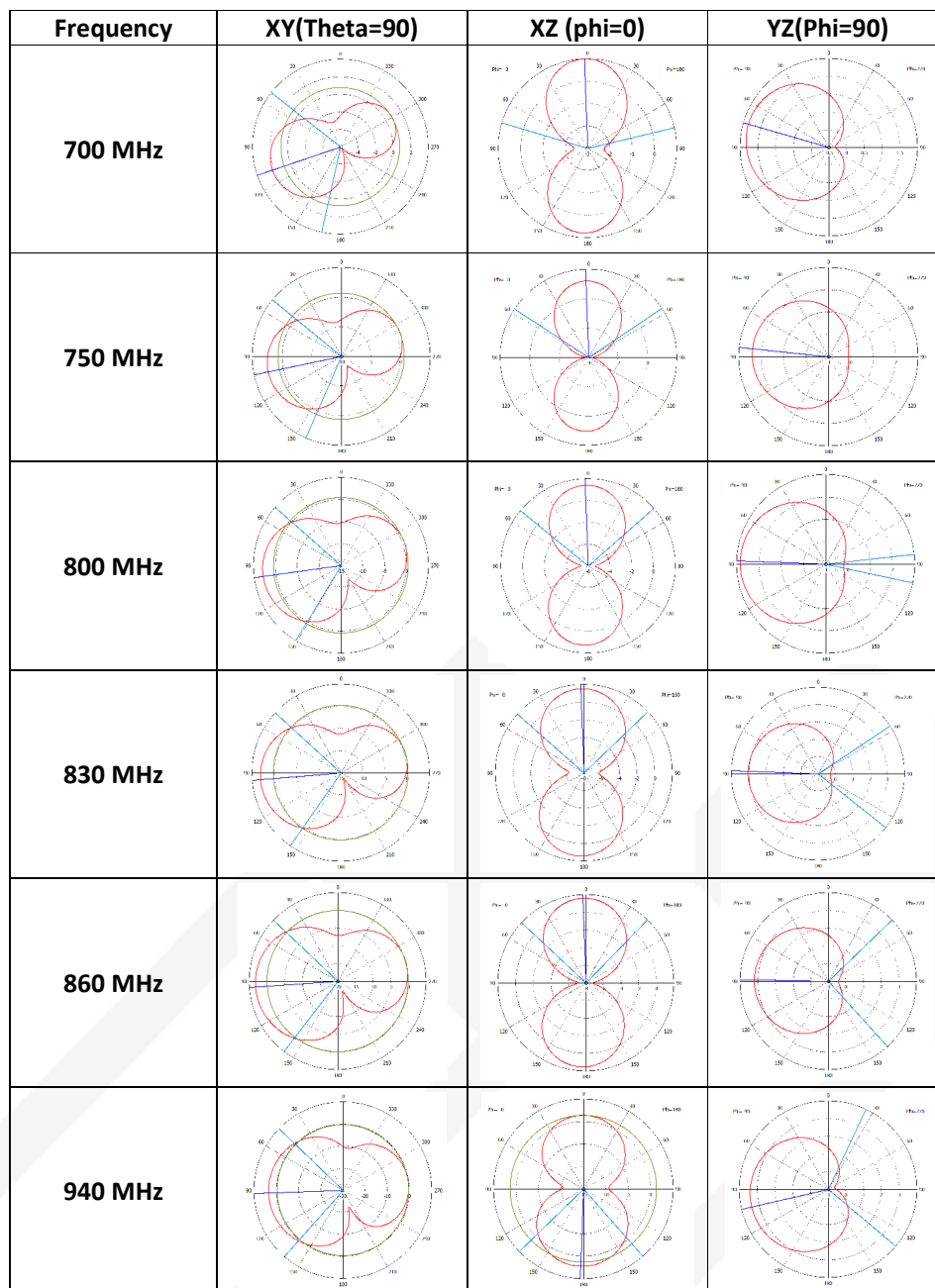
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Directional patterns:



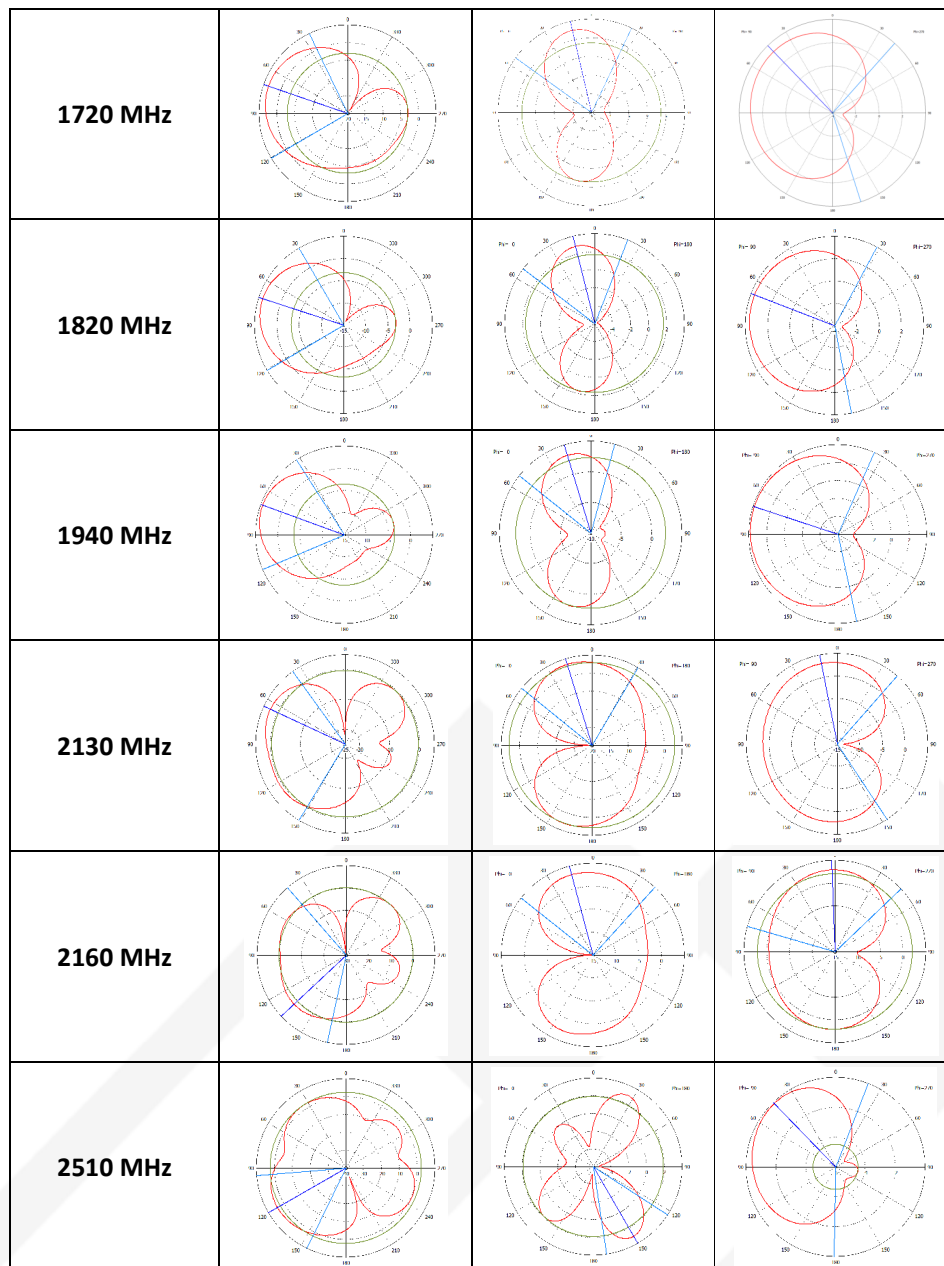
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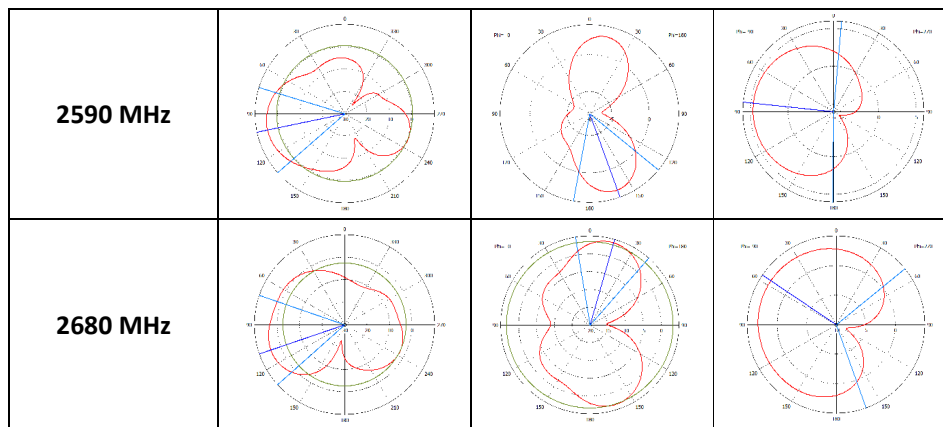
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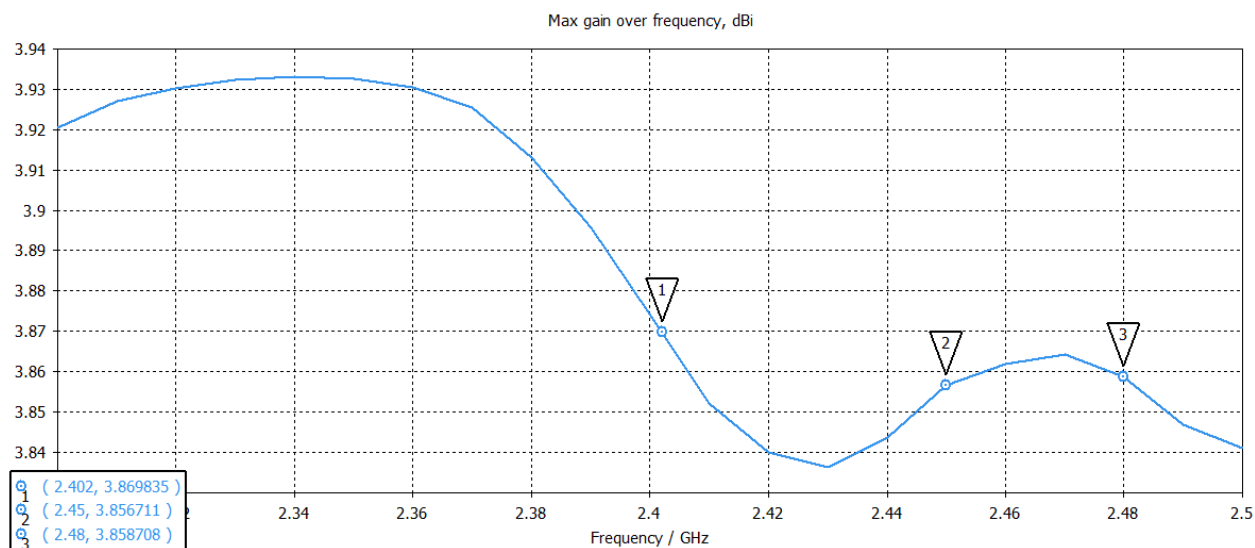
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FTM887 BLE antenna

BLE Gain graph:



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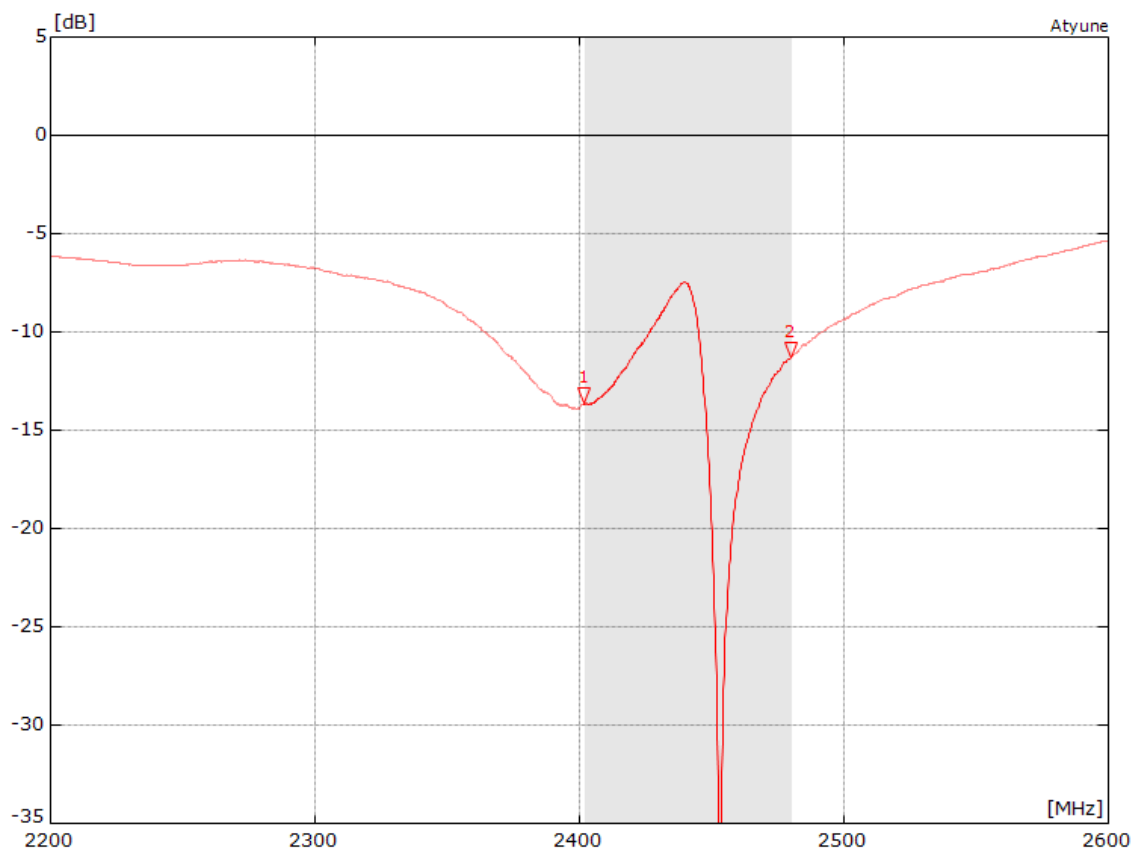
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BLE Return Loss:



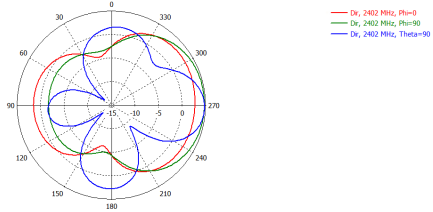
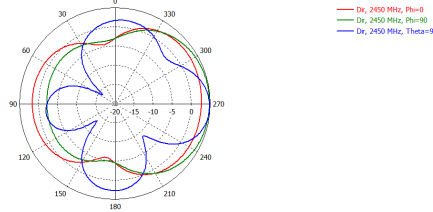
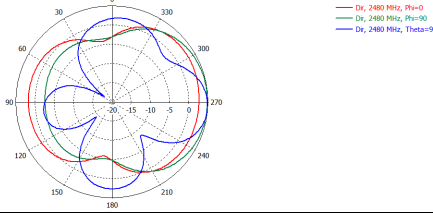
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Frequency	Directional patterns
2402 MHz	
2450 MHz	
2480 MHz	

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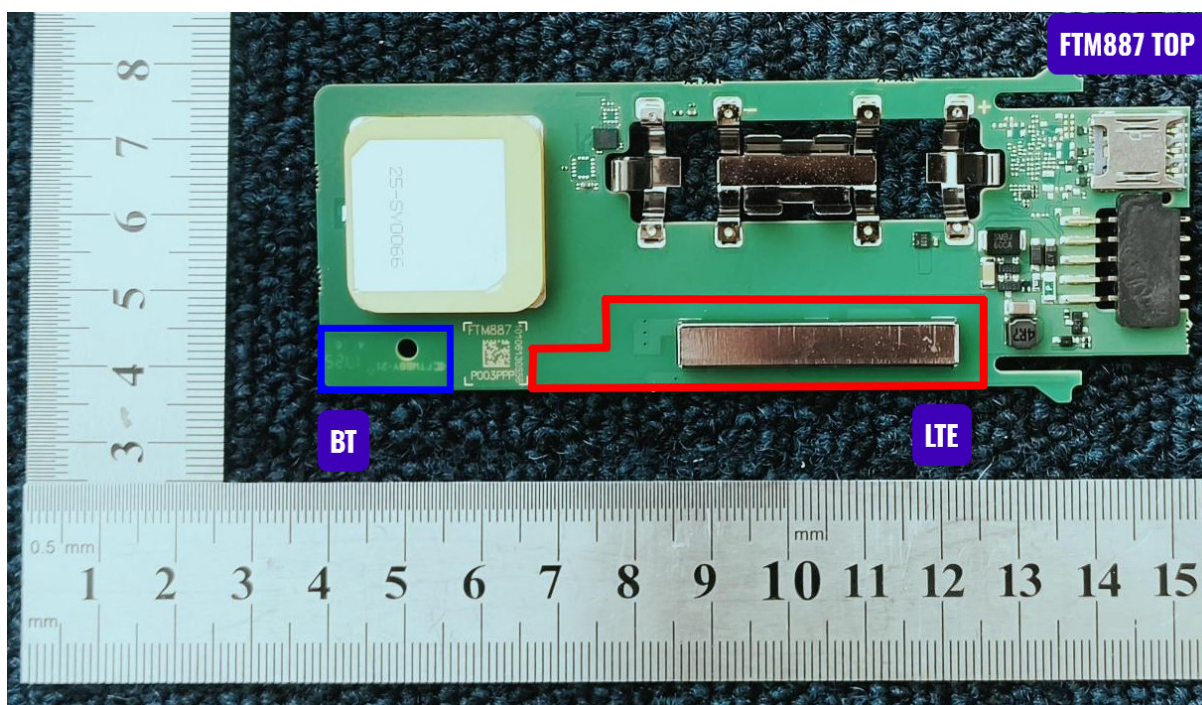
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LTE BT antenna size diagram



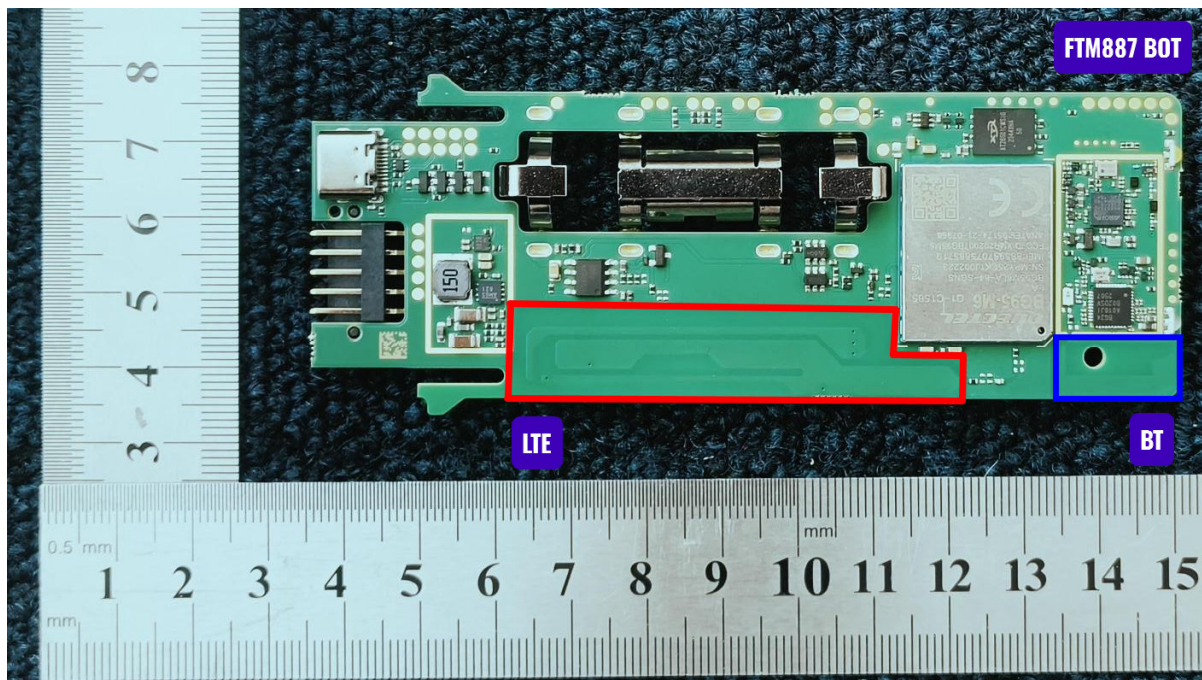
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