

Antenna Specification

Manufacture: Even Realities Ltd.

Address: Building West 2603, LEPU TOWER, Nanshan District, Shenzhen, 518055 China

Antenna model: **S200-R, S200-L**

Antenna type: LDS Antenna

1. Antenna Gain

S200-L:

Frequency(MHz)	Antenna Gain (dBi)
2400	-2.46
2410	-2.31
2420	-2.05
2430	-1.81
2440	-1.82
2450	-1.90
2460	-1.85
2470	-1.91
2480	-2.00
2490	-1.85
2500	-2.12

S200-R:

Frequency(MHz)	Antenna Gain (dBi)
2400	-3.03
2410	-2.89
2420	-2.81
2430	-2.48
2440	-2.49
2450	-2.43
2460	-2.13
2470	-2.19
2480	-2.23
2490	-2.06
2500	-2.23

2. Antenna Pattern:

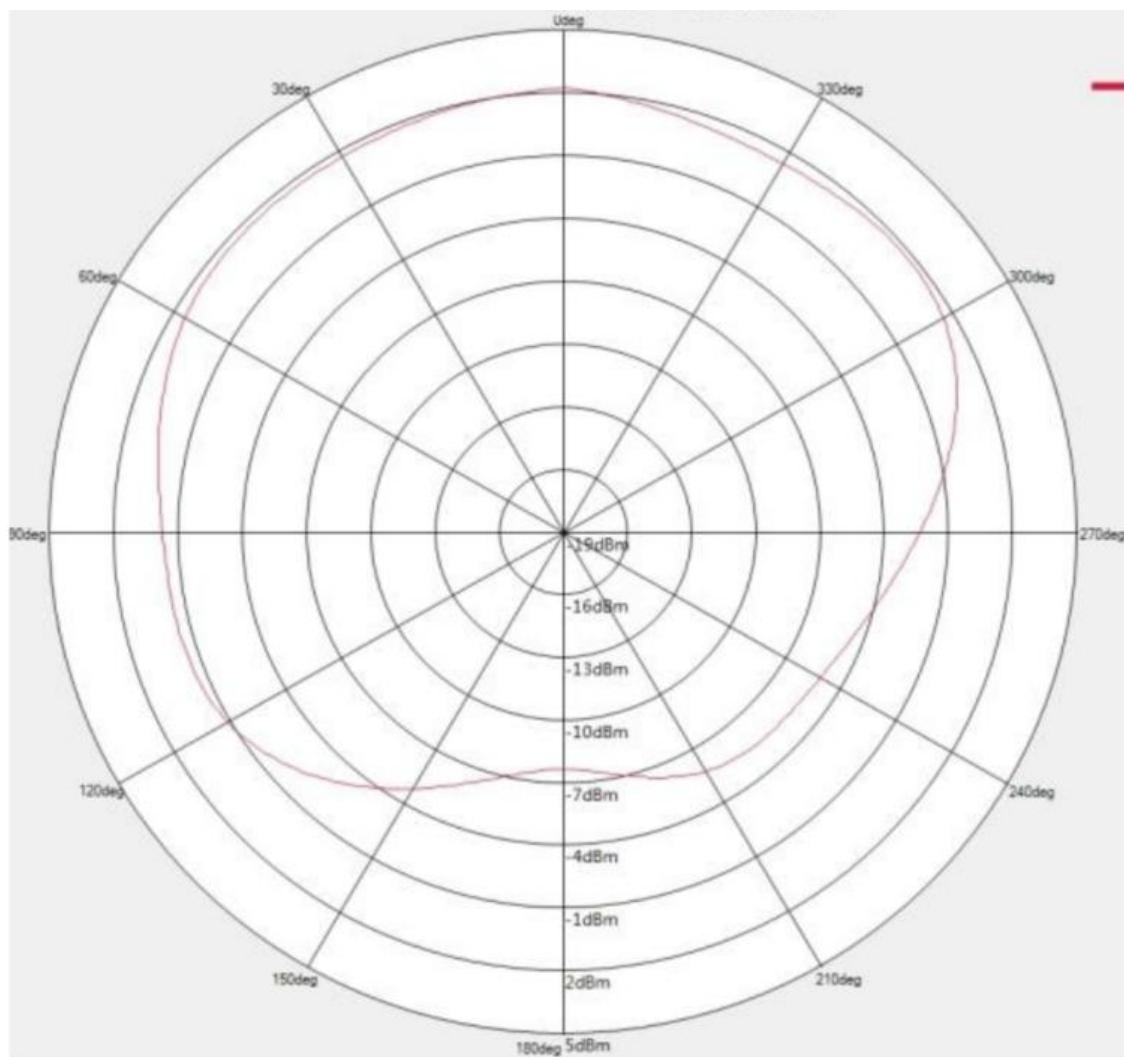
2D: 2.45GHz

$$G_{dut}(dBi) = P_{rec,dut}(dBm) - P_{rec,ref}(dBm) + G_{ref}(dBi)$$

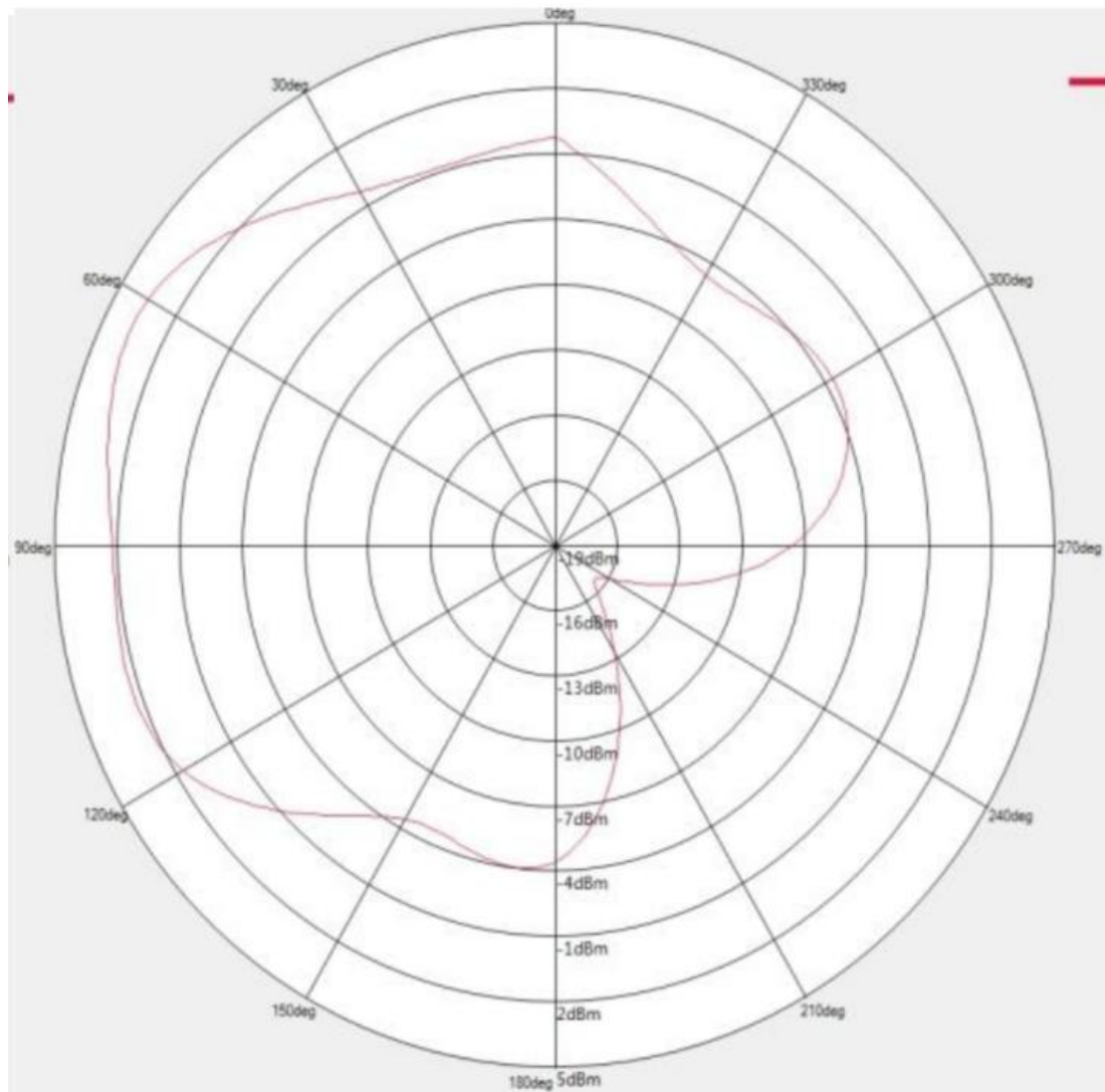
Meaning of parameters in the formula:

- * G_{dut} : Gain of the antenna under test at a certain frequency and direction, in dBi.
- * $P_{rec,dut}$: Power received by the antenna under test, directly displayed by the amplitude of S_{21} or $|S_{21}|$ (converted to dBm) from the vector network analyzer.
- * $P_{rec,ref}$: Power received by the reference antenna, also displayed by amplitude of S_{21} (converted to dBm) from the vector network analyzer, 10 dBm.
- * G_{ref} : Known gain of the reference antenna, 5.04 dBi.

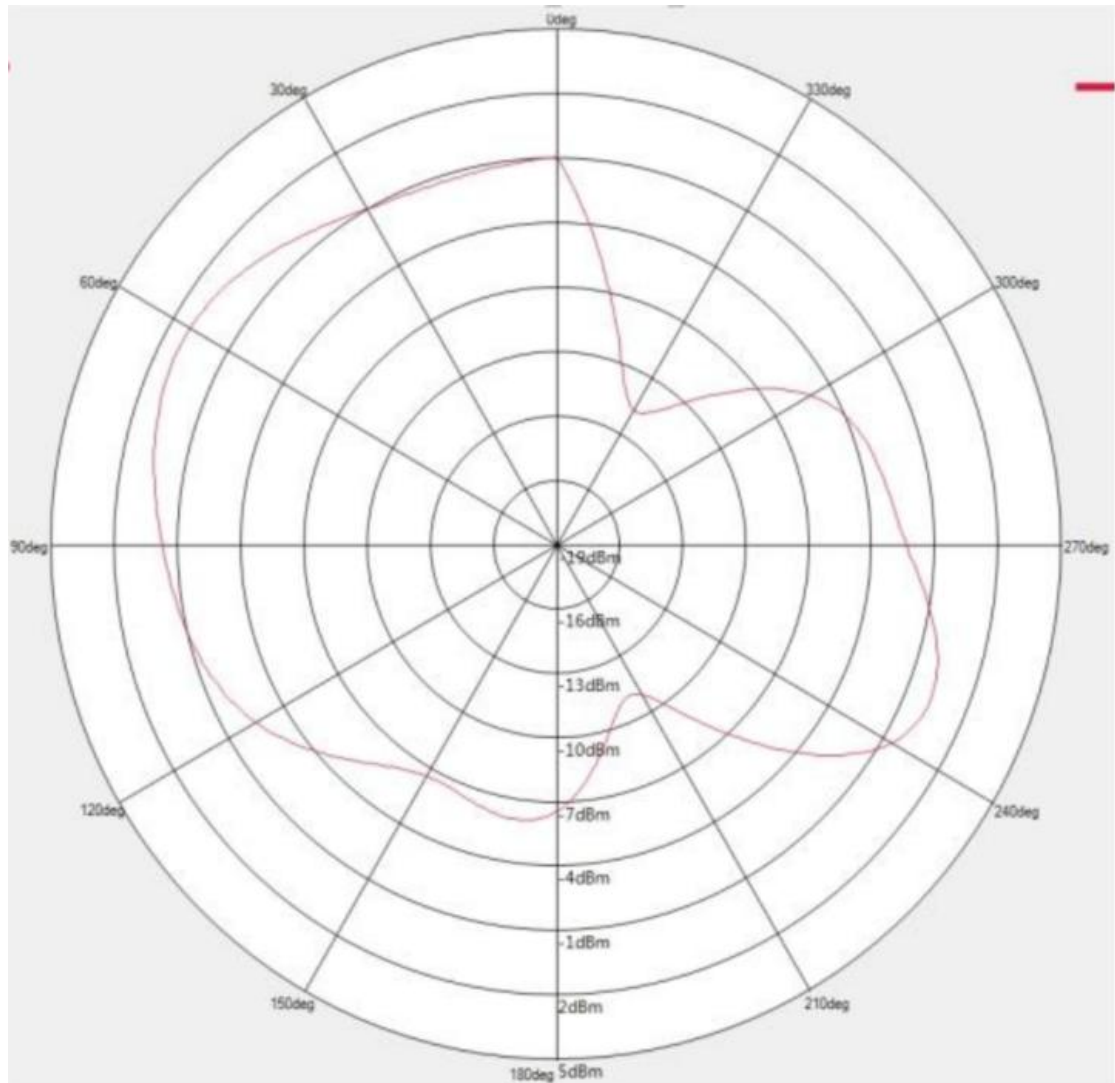
S200-L:



XOY

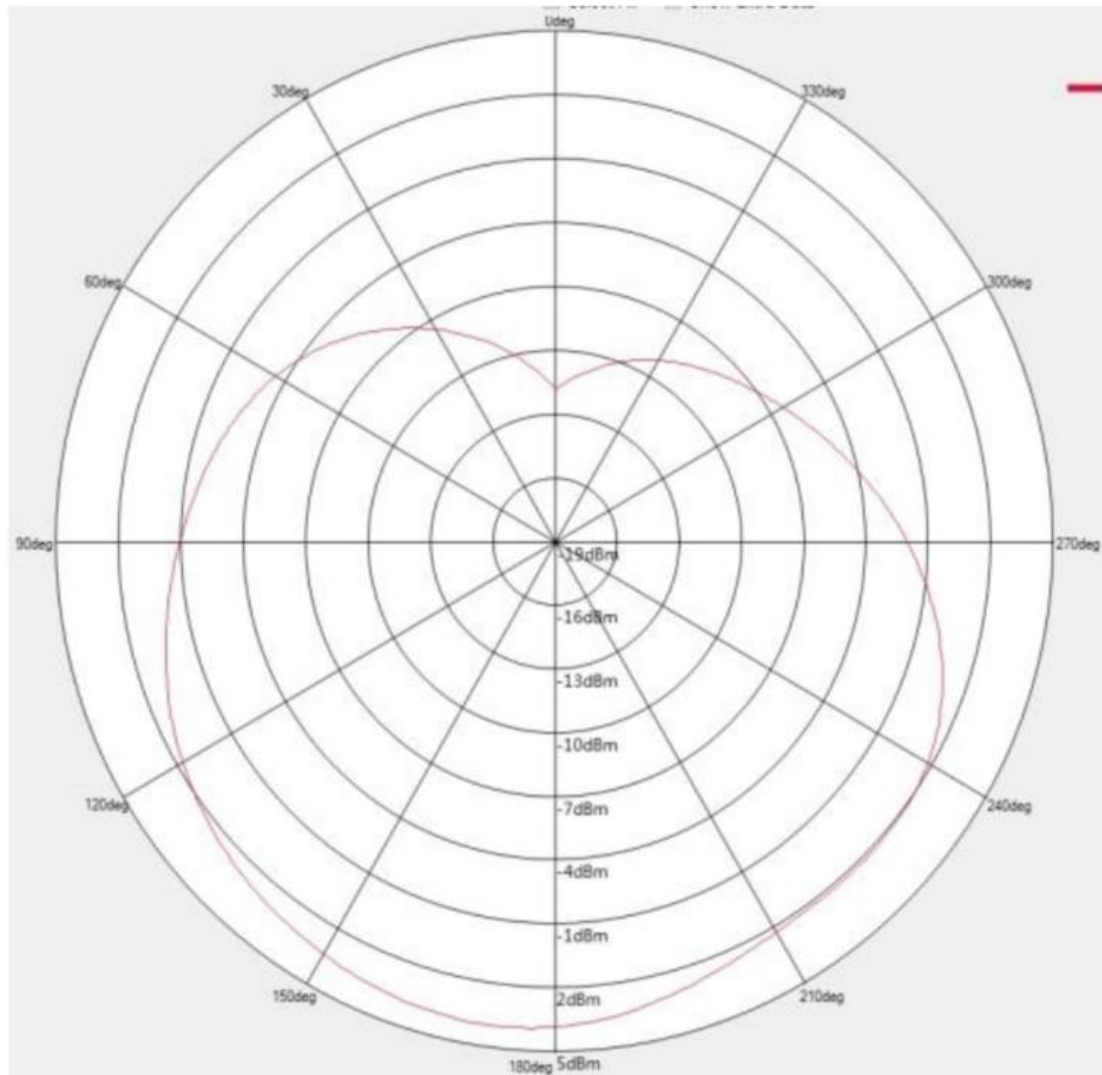


XOZ

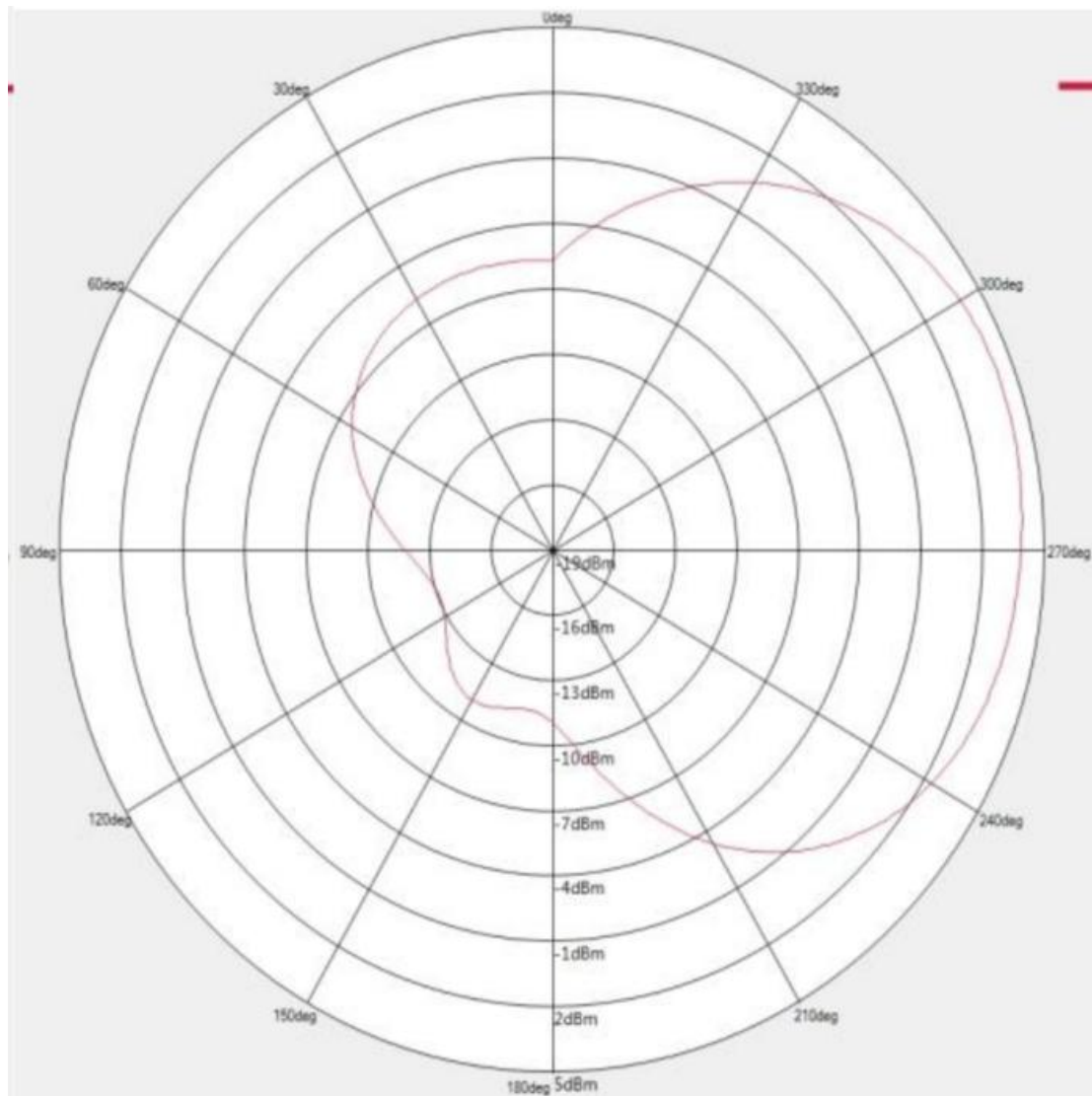


YOZ

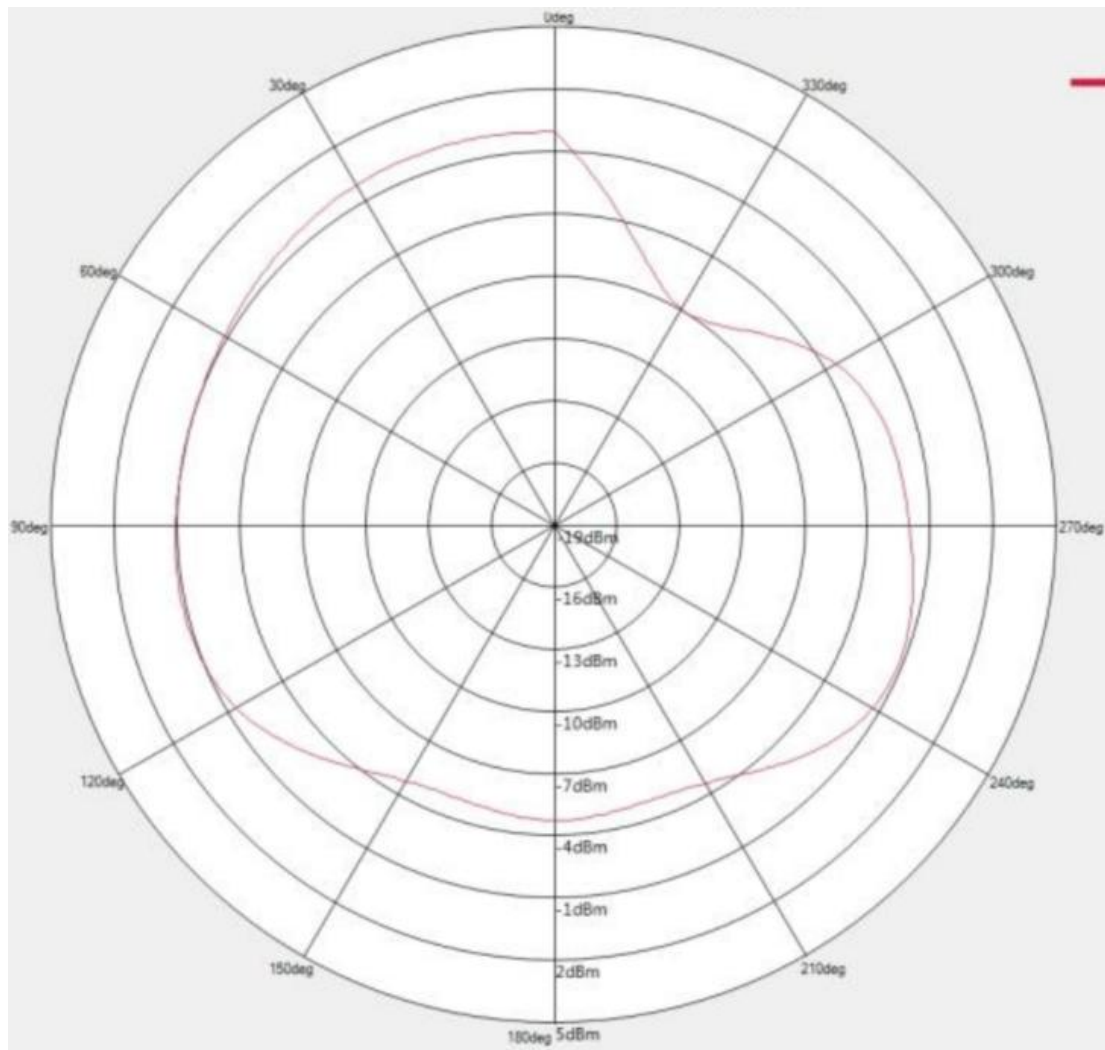
S200-R:



XOY



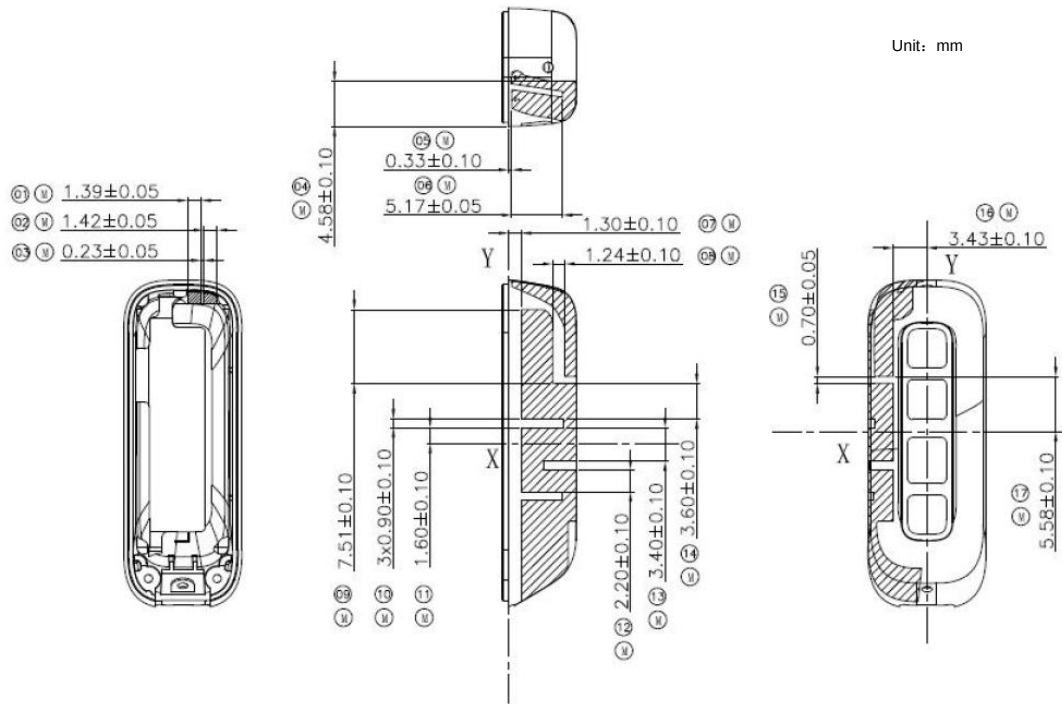
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3. Antenna Dimensions:

S200-L:



S200-R:

