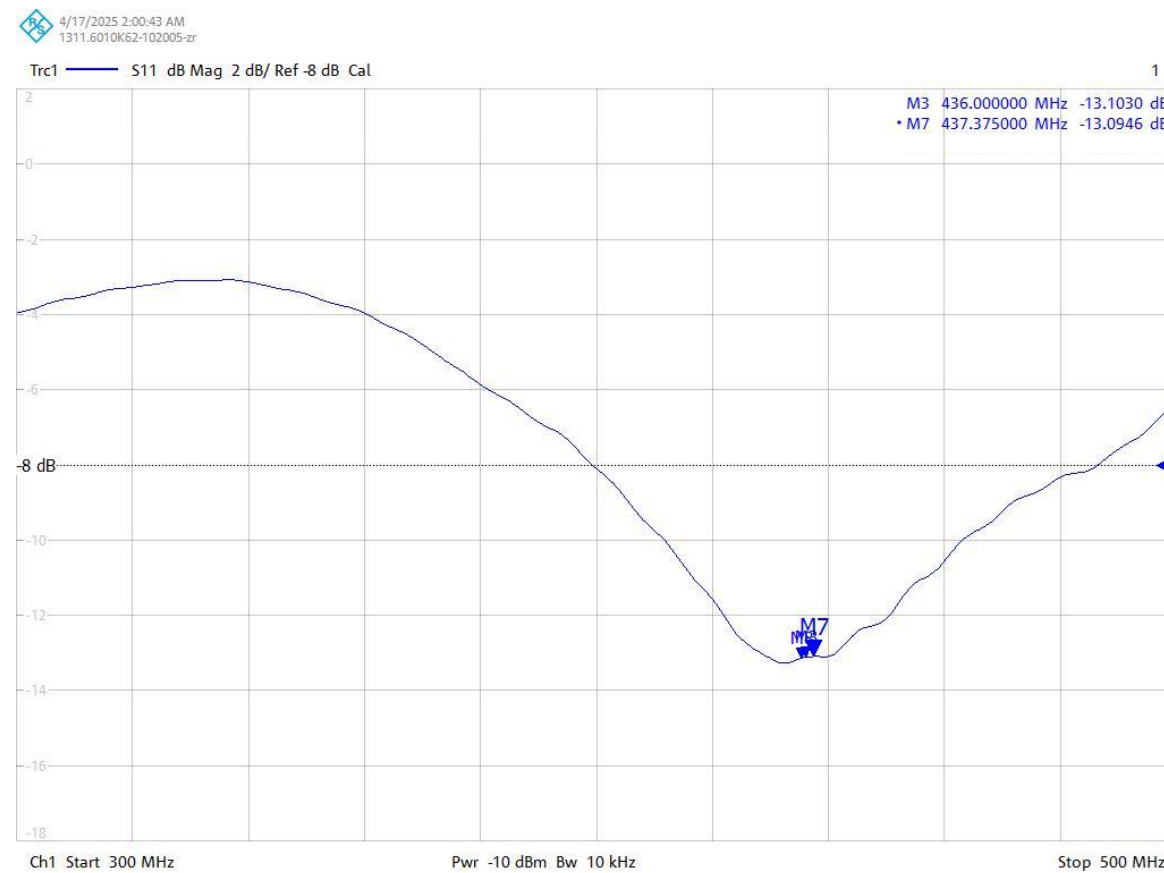
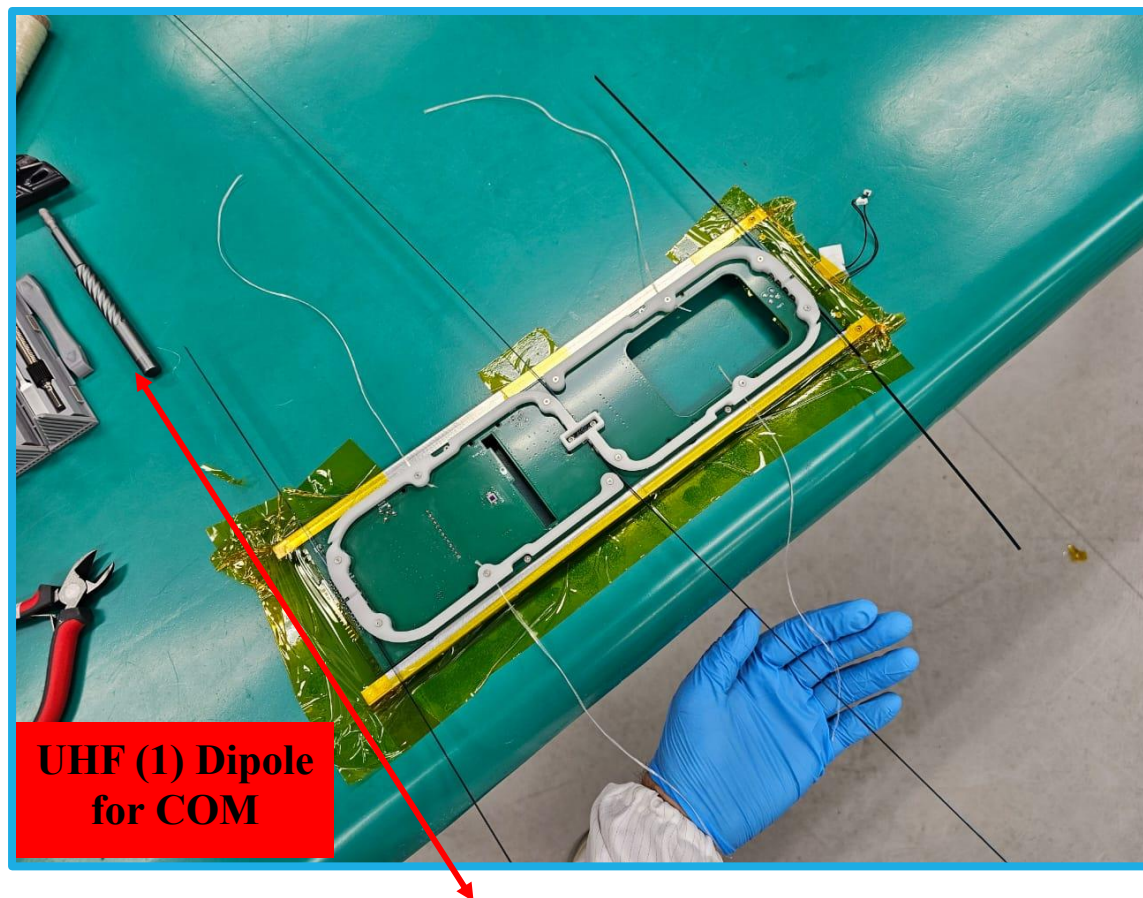




Antenna Parameters

2025/07/17

COM UHF (1) ANTENNA TEST: S11



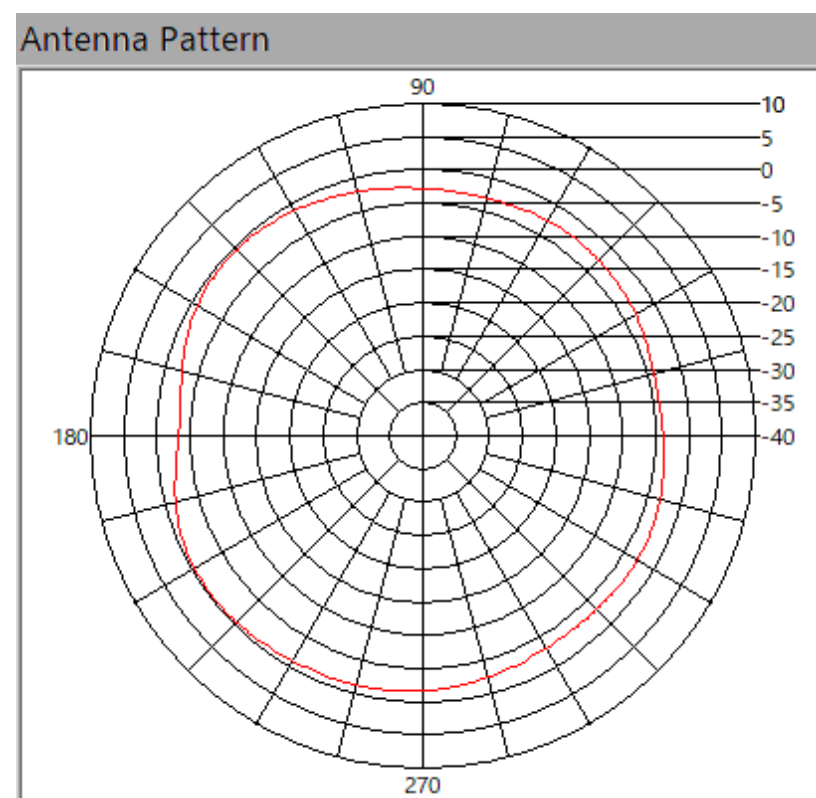
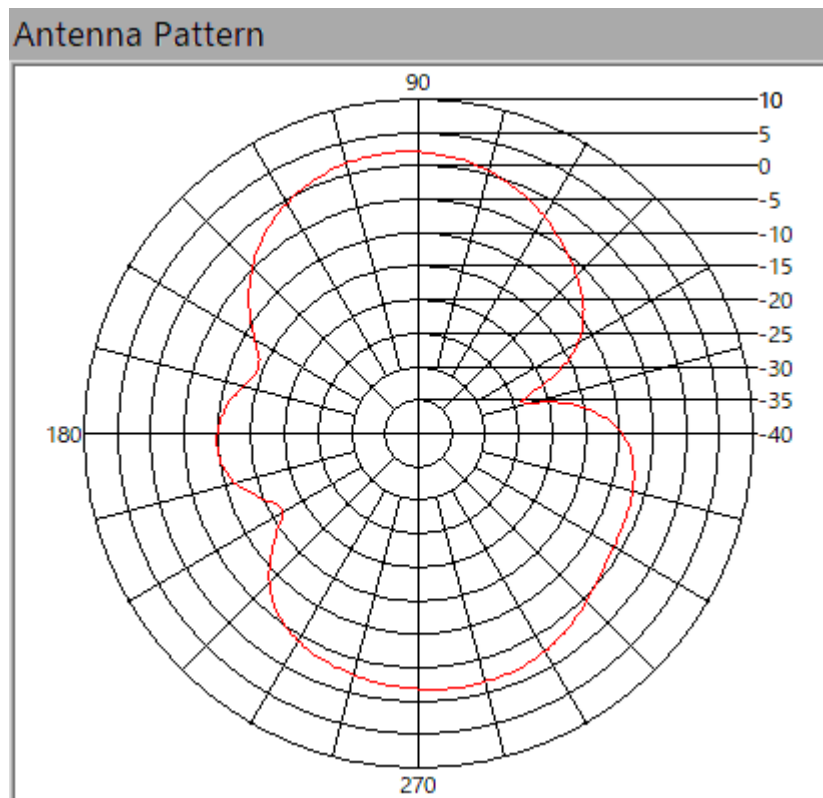
Frequency range : 435-437 MHz
S11: -13.0 dB < -10dB

COM UHF (1) ANTENNA TEST: Radiation Pattern

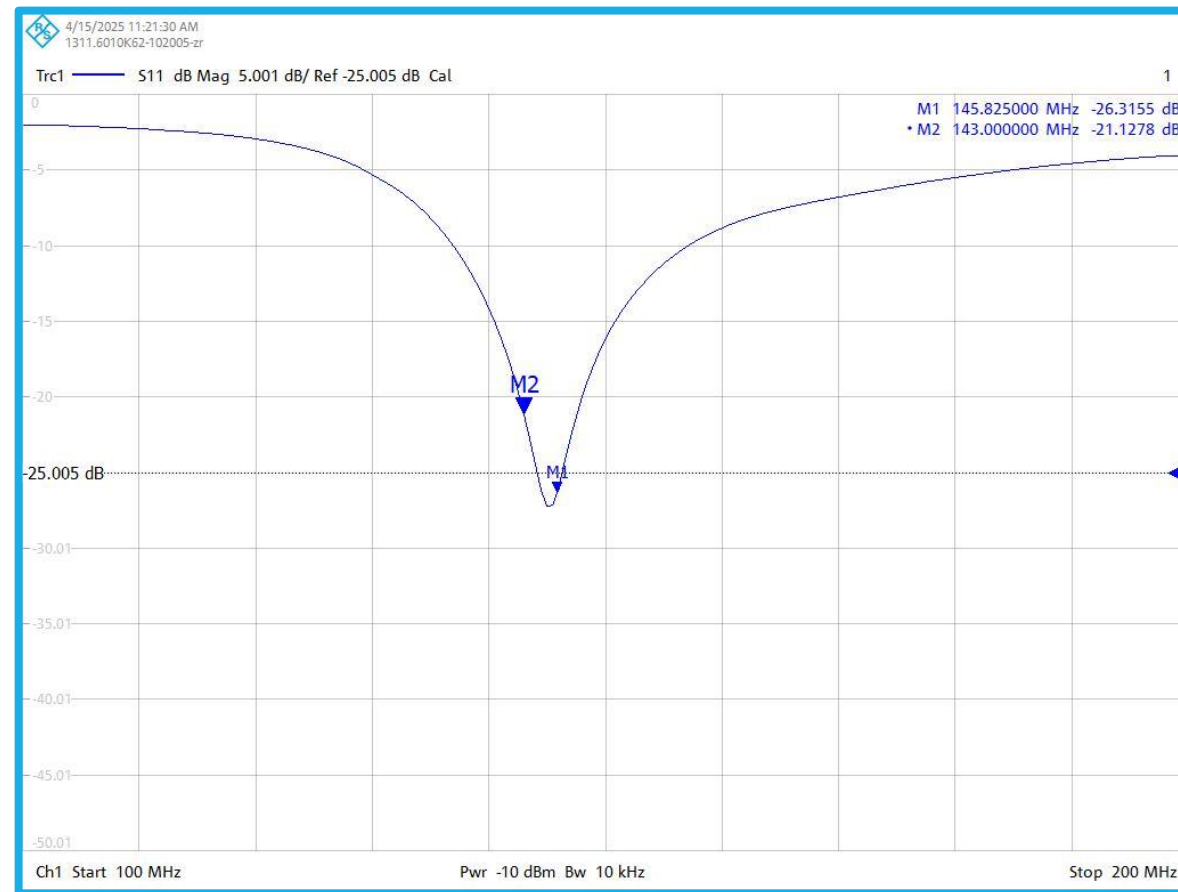
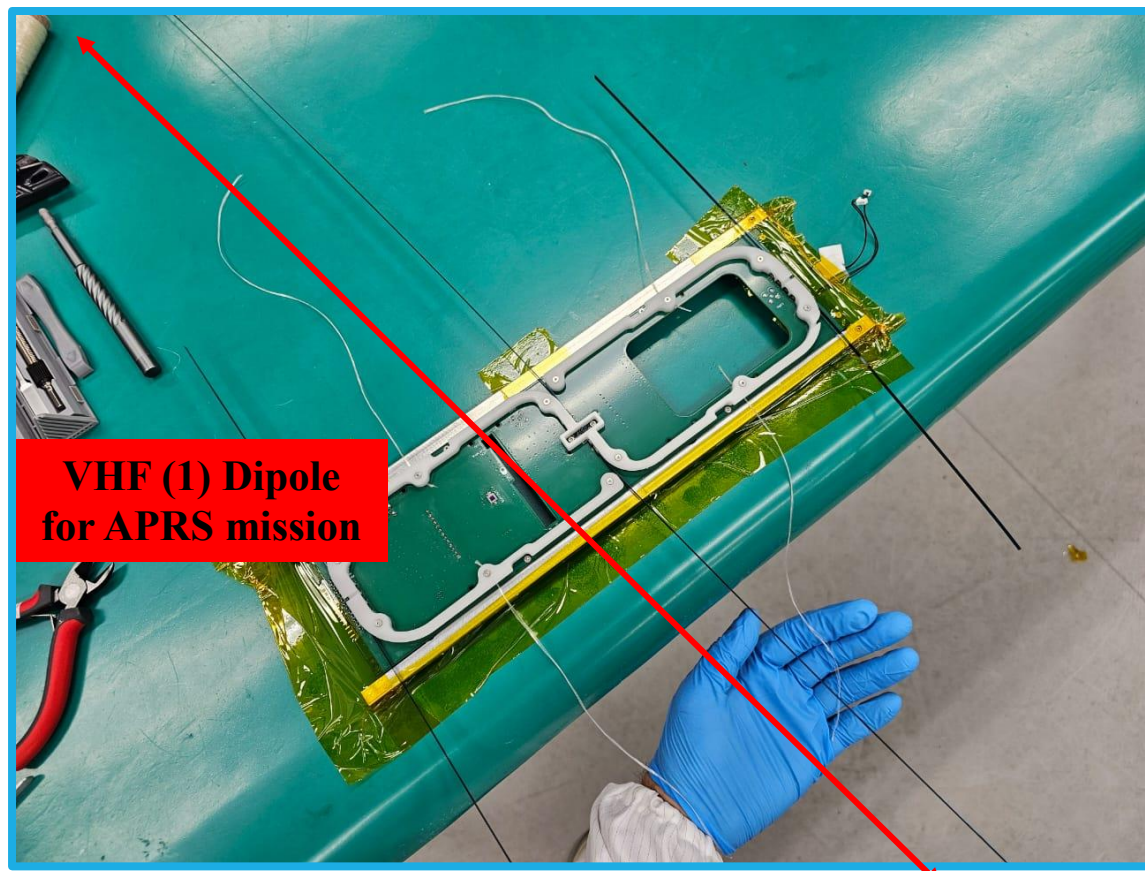
Center Frequency: 436 MHz

E Plane Max Gain: **2.19 dBi**

H Plane Max Gain: **-0.1 dBi**



APRS VHF (1) ANTENNA TEST: S11



Center Frequency: 145.825 MHz
S11: -26.3 dB < -10dB

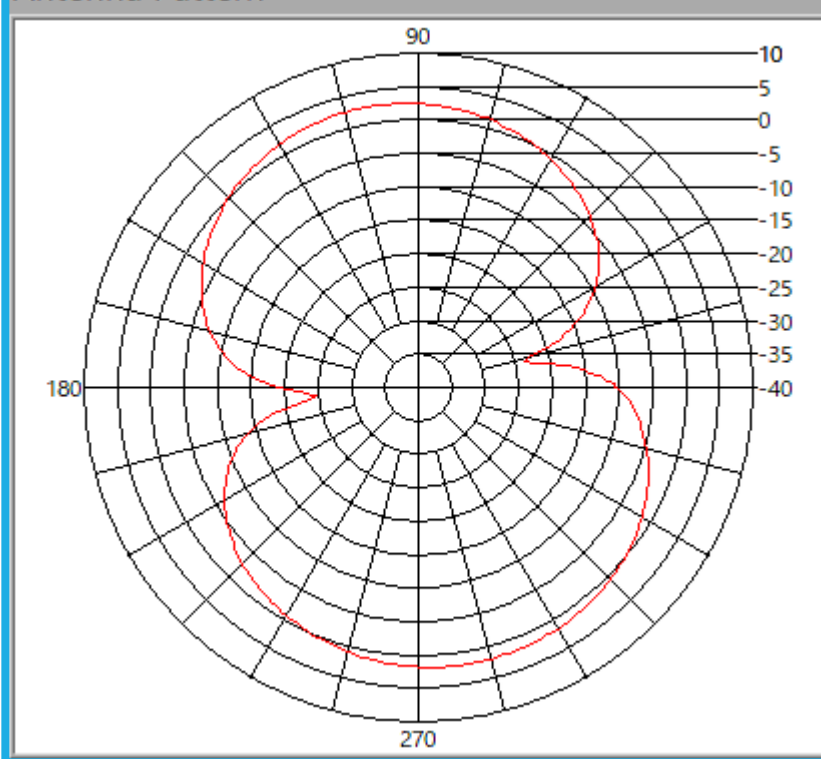
APRS VHF (1) ANTENNA TEST: Radiation Pattern

Center Frequency: 145.825 MHz

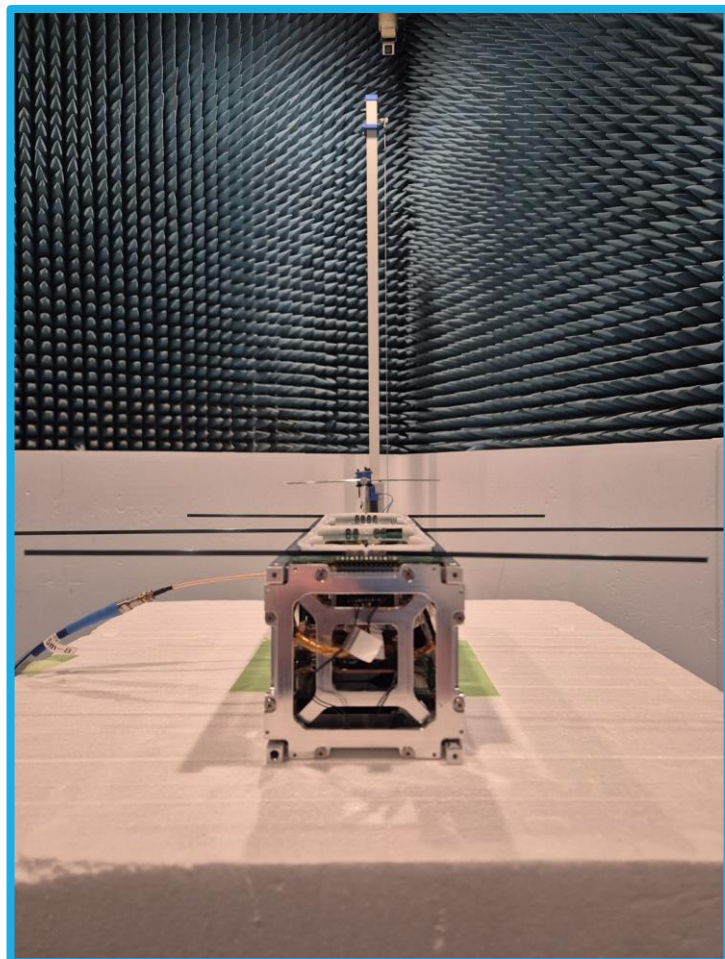
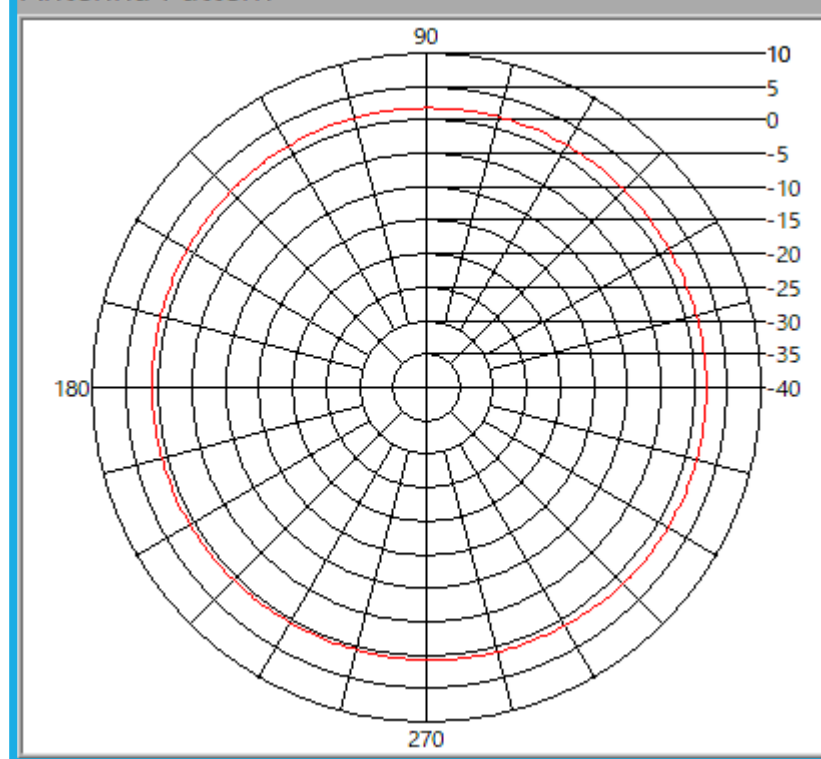
E Plane Max Gain: 1.86 dBi

H Plane Max Gain: 2.63 dBi

Antenna Pattern



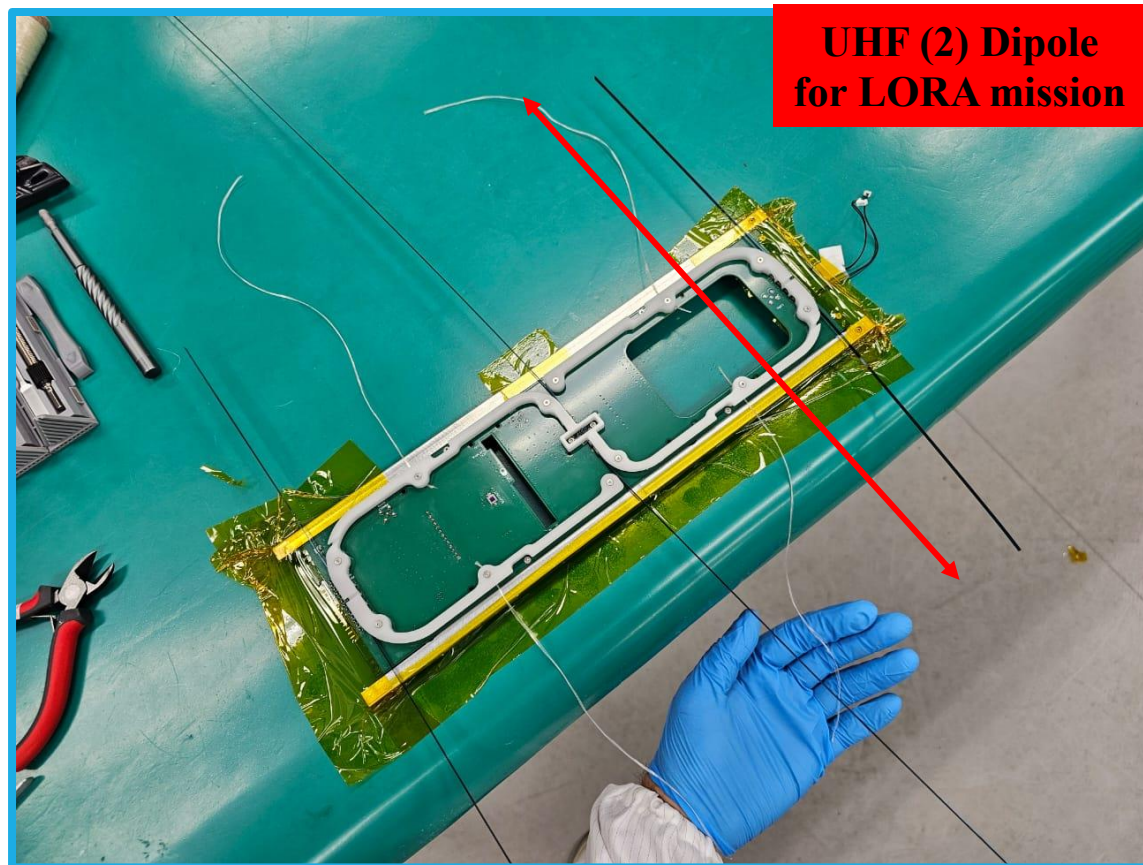
Antenna Pattern



Testing was made at Anechoic Chamber of Kyushu Institute of technology (Japan)



LORA UHF (2) ANTENNA TEST: S11



**UHF (2) Dipole
for LORA mission**



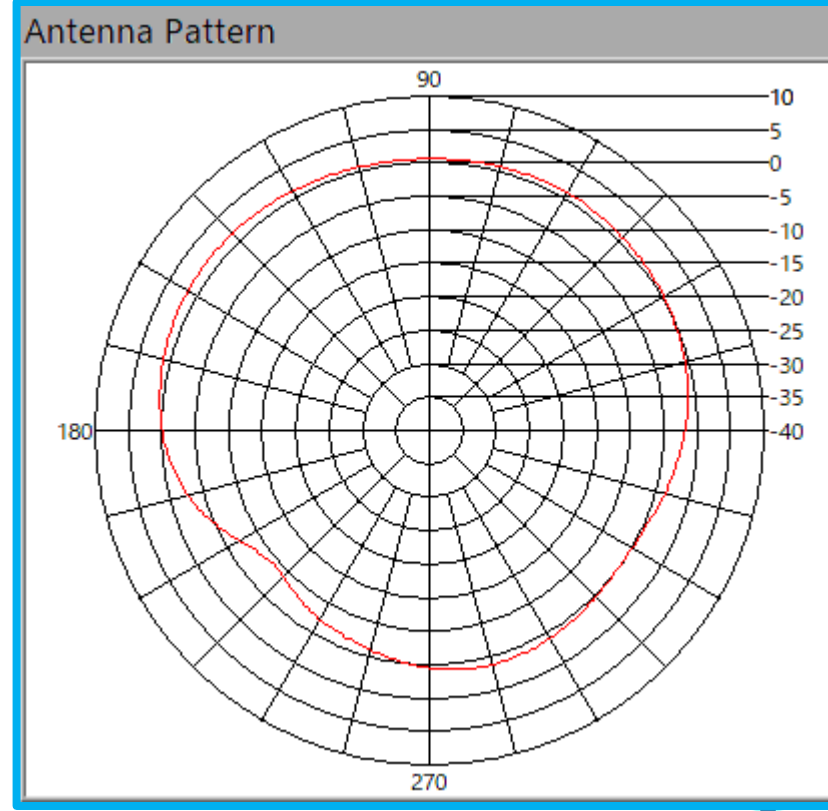
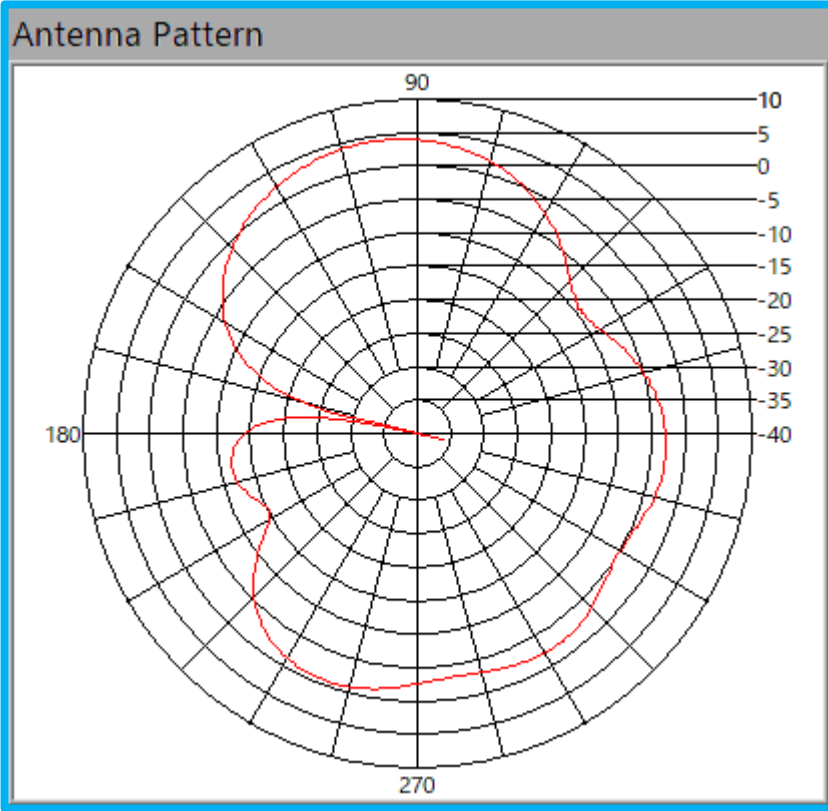
Center Frequency: 436.900 MHz
S11: -21.37 dB < -10dB

LORA UHF (2) ANTENNA TEST: Radiation Pattern

Center Frequency: 436.900 MHz

E Plane Max Gain: 4.15 dBi

H Plane Max Gain: 1.71 dBi



Testing was made at Anechoic Chamber of Kyushu Institute of technology (Japan)