

Antenna Information

Item	Contents	
Frequency	433.92 MHz	6 489.6 MHz
Antenna Type	PCB Pattern Antenna	
Antenna peak gain	-11.61 dB i	0.78 dB i
Manufacturer / Model name	Hyundai Mobis Co., Ltd. / -	
Address of manufacturer	203, Teheran-ro, Gangnam-gu, Seoul, South Korea, 135-977	
Test Laboratory	RadiAnt Co., Ltd	EMTI
Antenna Length	32 mm	5 mm
Antenna Width	23 mm	5 mm

Model name: FOB-4F87U54

Test Result

CUSTOMER : 현대모비스

스마트키 Fob 433.92MHz Radiation Pattern data

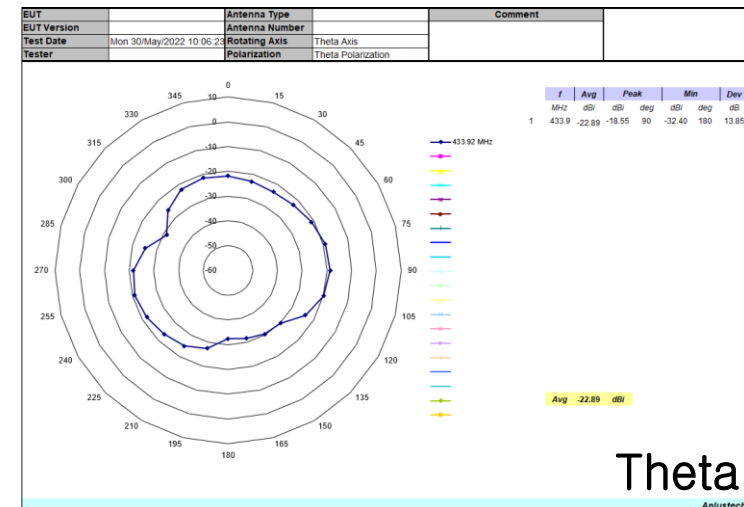
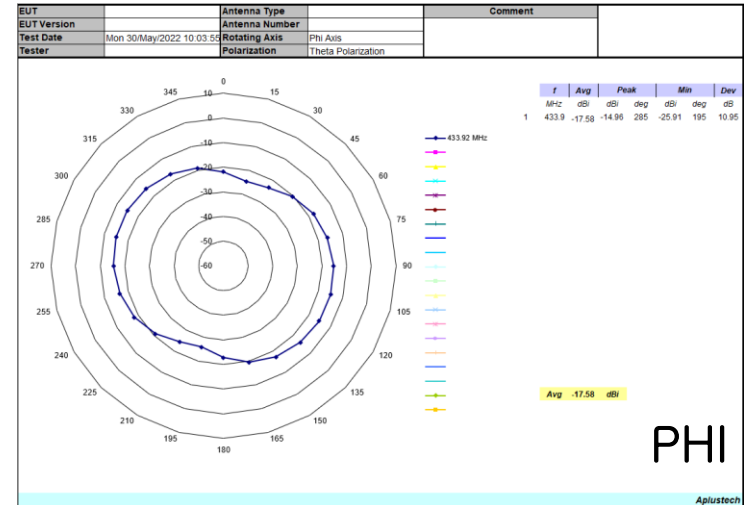
1. VSWR 및 2D-Radiation

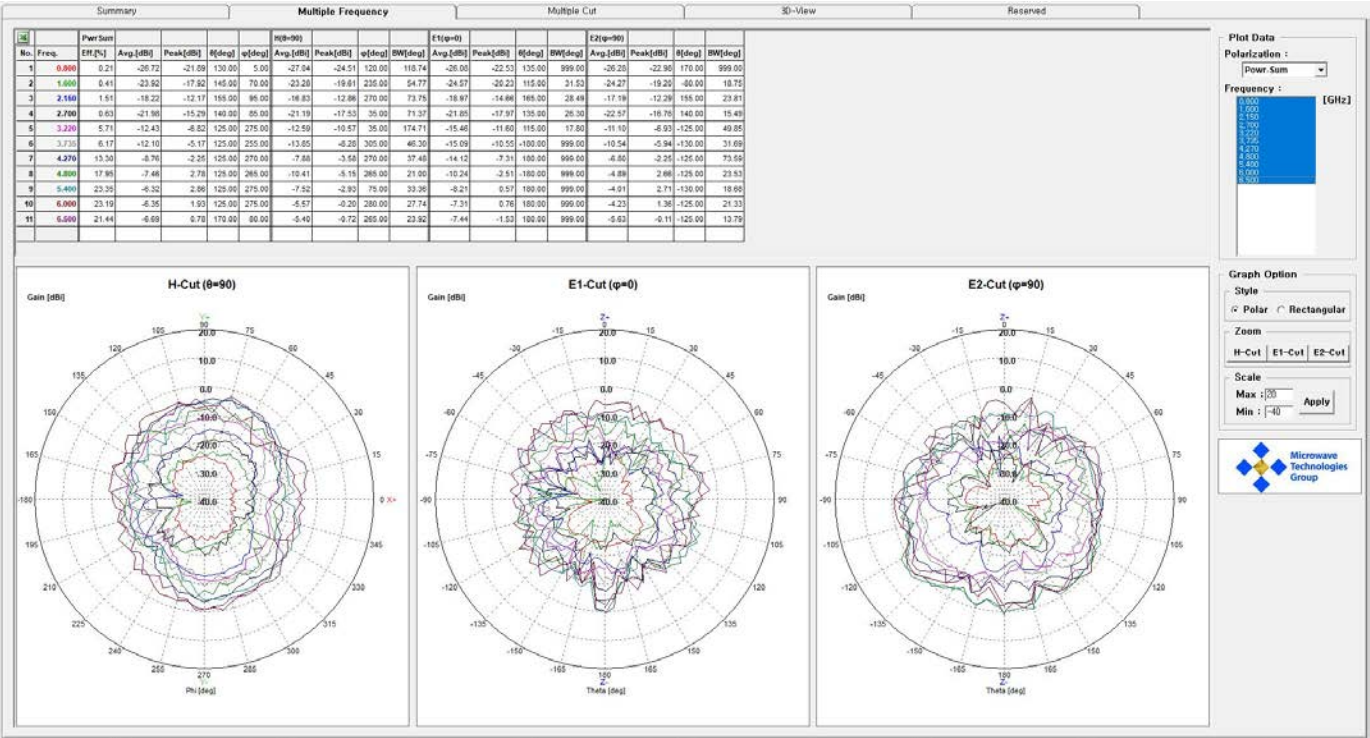
2022.05.30
RadiAnt

1. VSWR 및 2D-Radiation

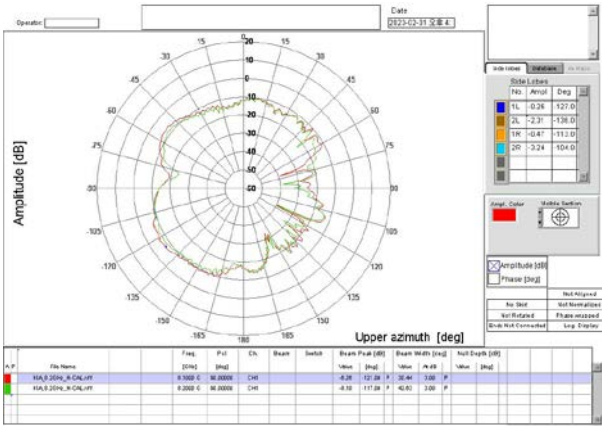
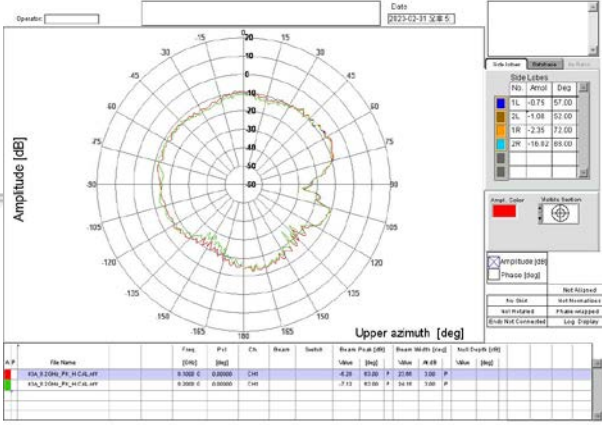
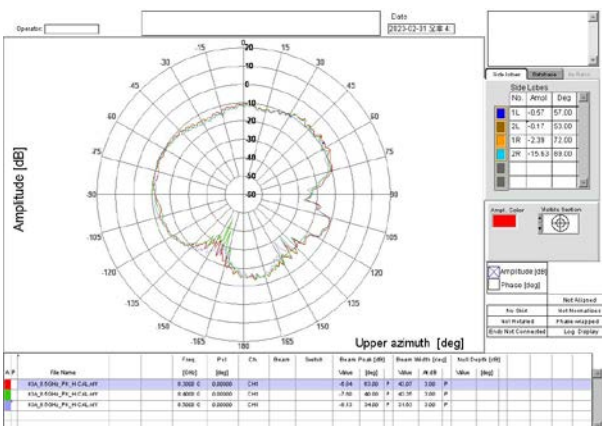


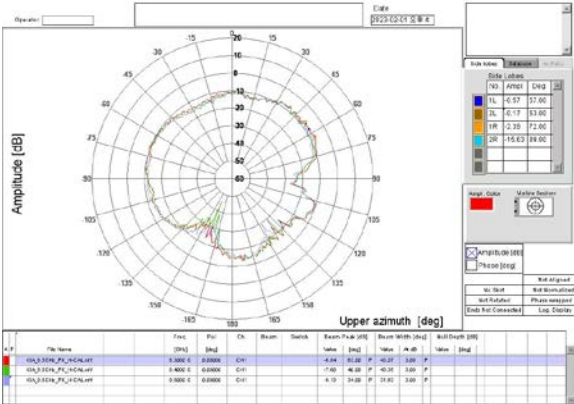
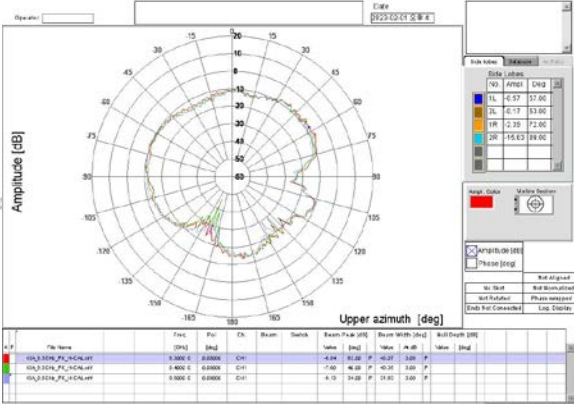
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Frequency [MHz]	433.92
Avg.Gain [dBi]	-16.45
Efficiency [%]	2.3
Peak Gain [dBi]	-11.61



No.	Freq.[GHz]		Eff.[%]	Avg.[dBi]	Peak[dBi]	
9	5.4		23.35	-6.32	2.86	
10	6.0		23.19	-6.35	1.93	
11	6.5		21.44	-6.69	0.78	

UWB Antenna Peak Gain

No.	Freq.[GHz]		Peak[dBi]	
12	8.1		-6.26	
13	8.2		-7.12	
14	8.3		-6.84	

No.	Freq.[GHz]		Peak[dBi]	
15	8.4		-7.6	
16	8.5		-8.13	
17	10.2		-2.55	