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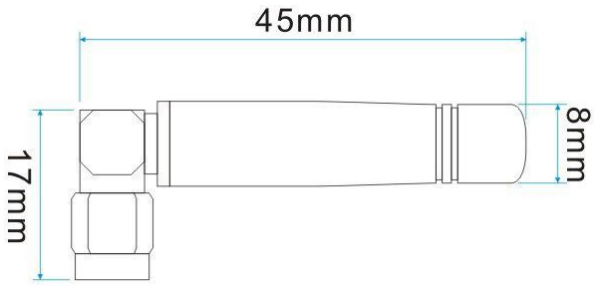
For more information visit:
http://www.in-circuit.de/
http://www.radino.cc/

Properties 5cm right angle antenna

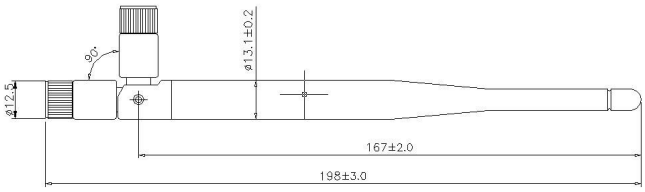


Frequency	433 MHz	868 MHz	2.4 GHz
Input Impedance	50 Ω		
V.S.W.R	≤ 1.5		
Polarization Intensity	R.H.C.P		
Supply Voltage	DC 3.0 ~ 5.0 V		
Sound Coefficient	≤ 1.5 dB		
Gain	3 dBi		
Radiator	Cuprum		
Connector Type	RPSMA male (have no pin inside)		
Color	black		
Operating Temperatur	–40℃ ~ + 85℃		
Storing Temperatur	–40℃ ~ + 90℃		
Radome material	TPU		
Dimension	45 mm		

Properties 5cm straight antenna

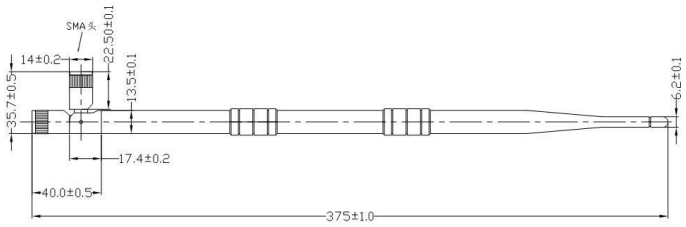
Frequency	433 MHz	868 MHz	2.4 GHz
Input Impedance	50 Ω		
V.S.W.R	≤ 1.5		
Polarization Intensity	Vertical		
Supply Voltage	DC 3.0 ~ 5.0 V		
Sound Coefficient	≤ 1.5 dB		
Gain	3 dBi		
Radiator	Cuprum		
Connector Type	RPSMA male (have no pin inside)		
Color	black		
Operating Temperatur	–40℃ ~ + 85℃		
Storing Temperatur	–40℃ ~ + 90℃		
Radome material	TPE		
Dimension	48 mm		

Properties 15cm antenna



Frequency	433 MHz	868 MHz
Input Impedance	50 Ω	
V.S.W.R	≤ 1.5	
Polarization Type	Vertical	
Radiation	Omni directional	
Supply Voltage	DC 3.0 ~ 5.0 V	
Max Input Power	50 W	
Gain	5 dBi	
Radiator	Cuprum	
Connector Type	RPSMA male (have no pin inside)	
Operating Temperatur	−40℃ ~ + 85℃	
Storing Temperatur	−40℃ ~ + 90℃	
Antenna length	198 mm	

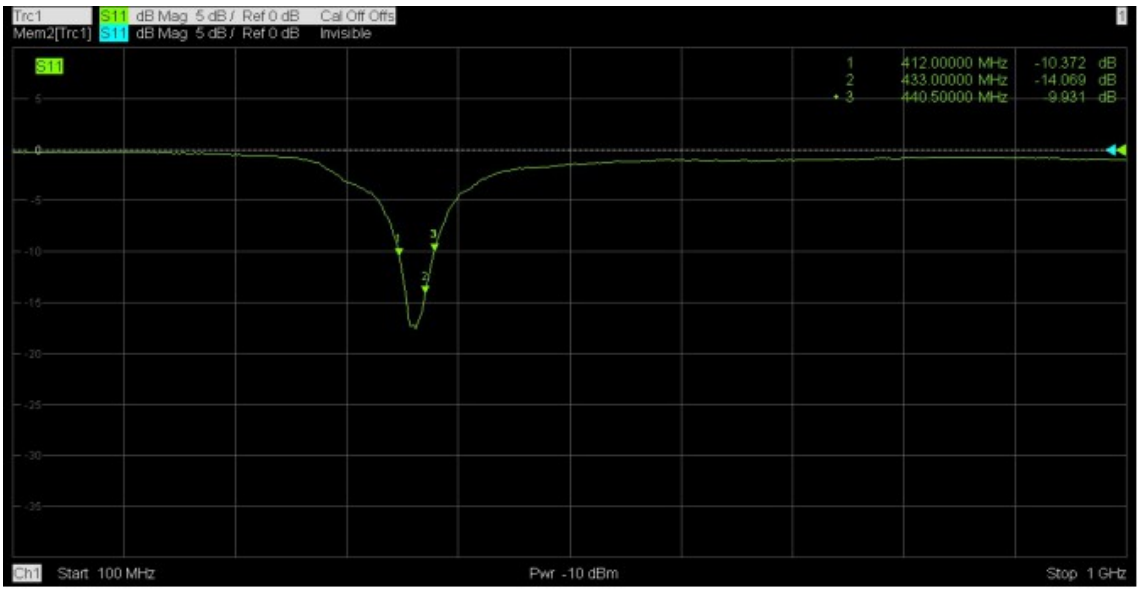
Properties 36cm antenna

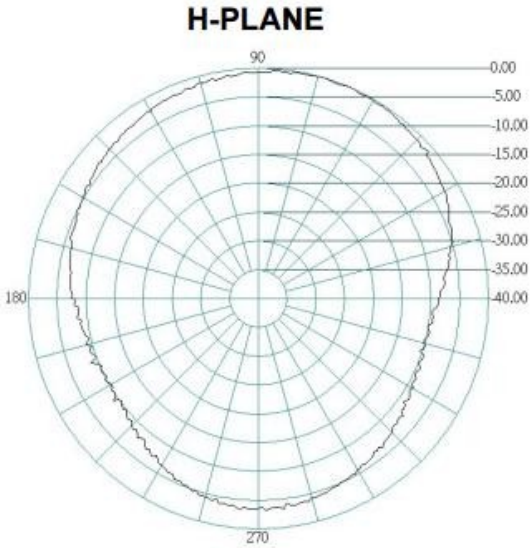


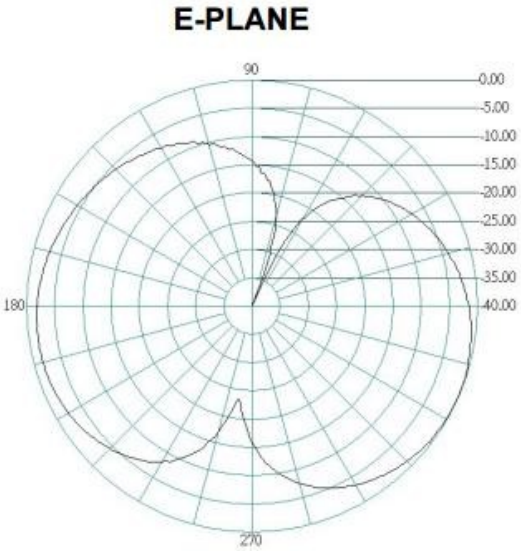
Frequency	433 MHz	868 MHz
Input Impedance	50 Ω	
V.S.W.R	≤ 1.5	
Polarization Intensity	R.H.C.P	
Supply Voltage	DC 3.0 ~ 5.0 V	
Sound Coefficient	≤ 1.5 dB	
Gain	8 dBi	
Radiator	Cuprum	
Connector Type	RPSMA male (have no pin inside)	
Color	black	
Operating Temperatur	–40℃ ~ + 85℃	
Storing Temperatur	–40℃ ~ + 90℃	
Radome material	ABS	
Dimension	375 mm	

Testing result 5cm right angle 433 MHz

Received from manufacturer

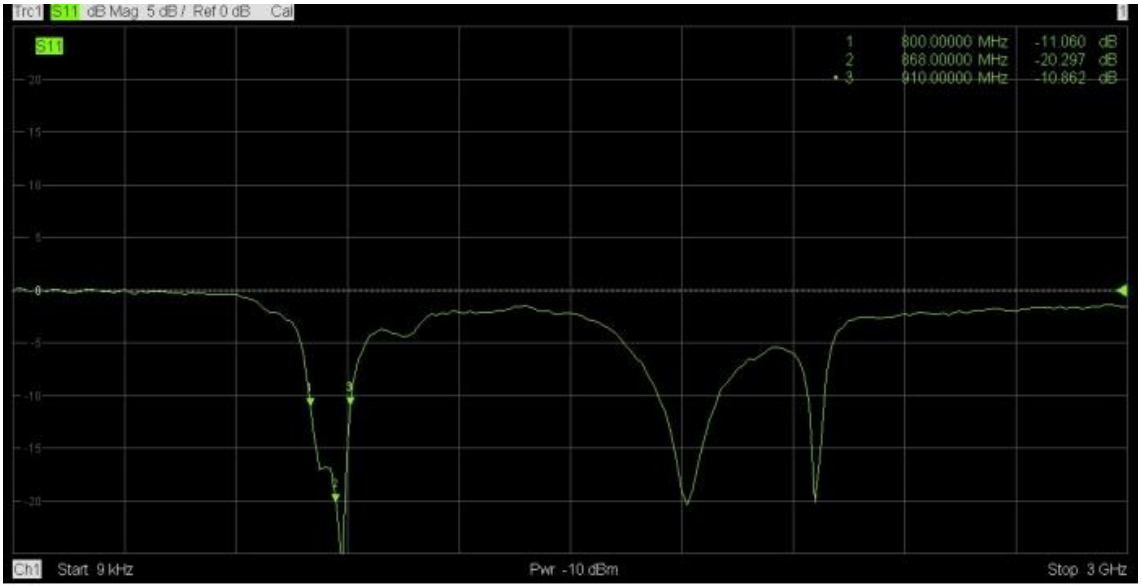


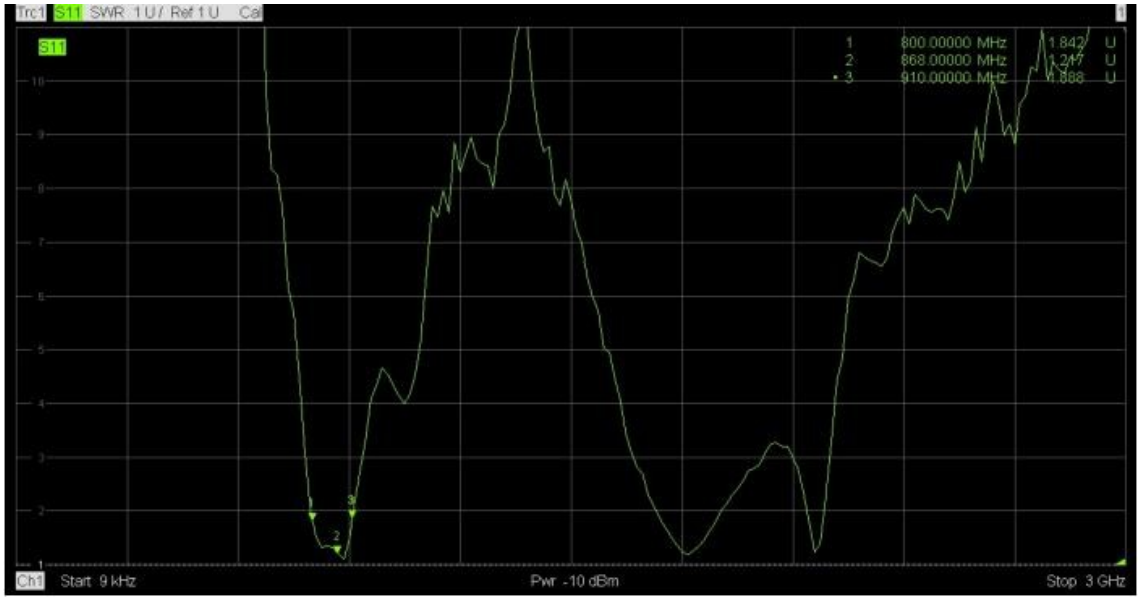


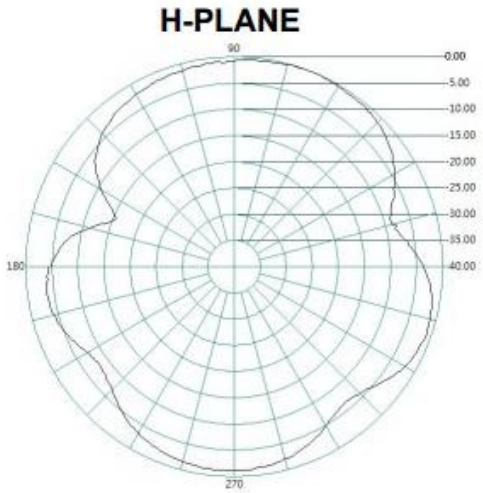


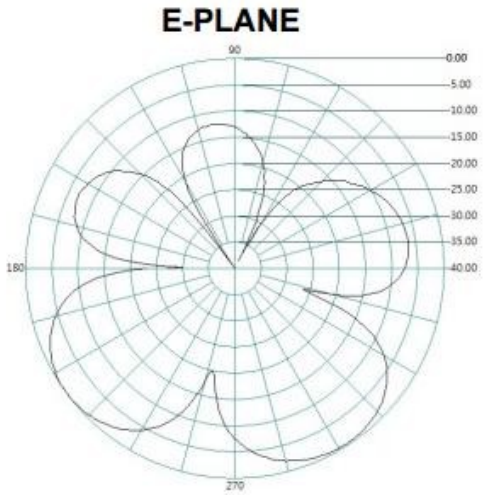
Testing result 5cm right angle 868 MHz

Received from manufacturer



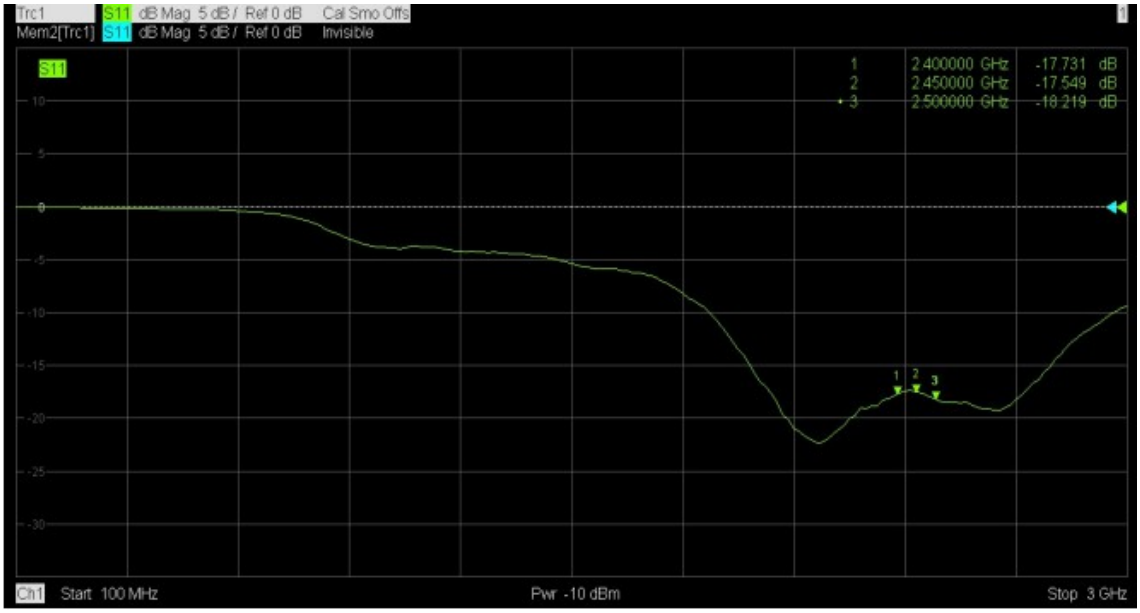


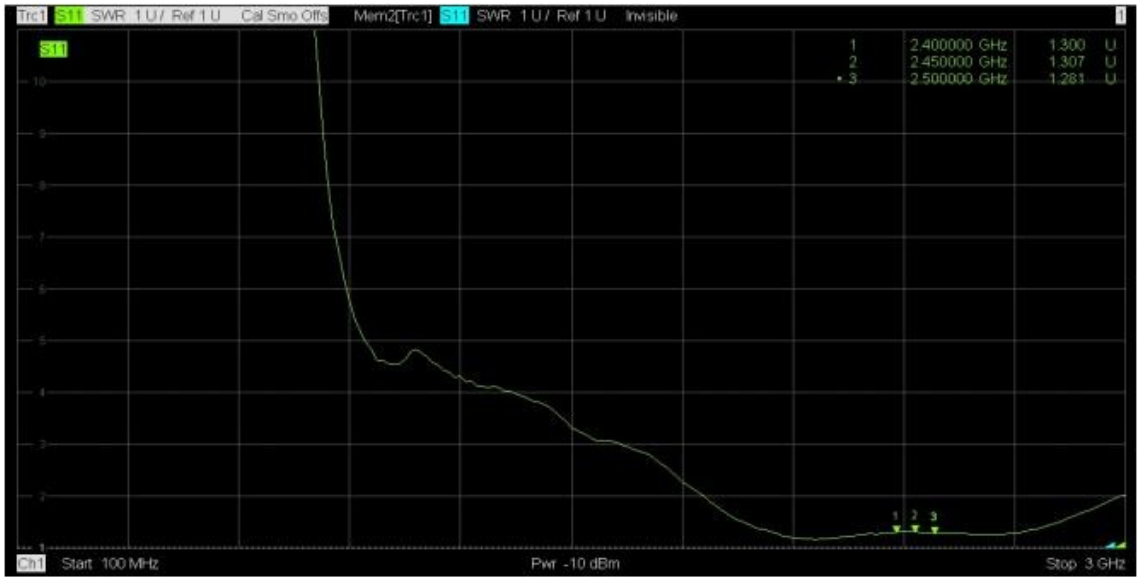




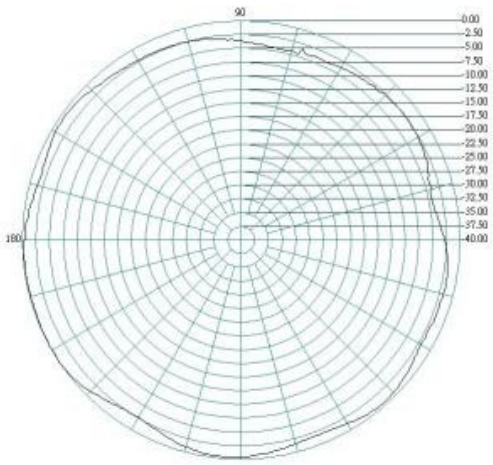
Testing result 5cm right angle 2.4 GHz

Received from manufacturer

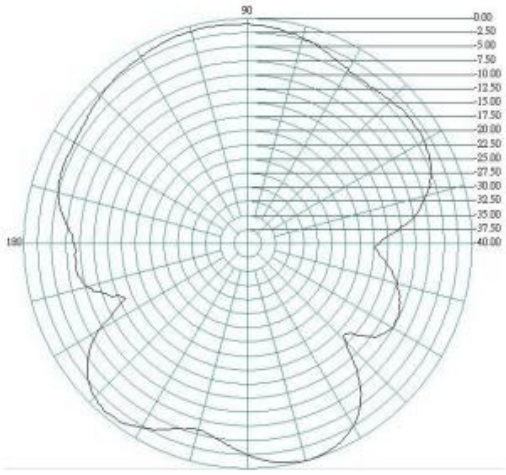




H-PLANE

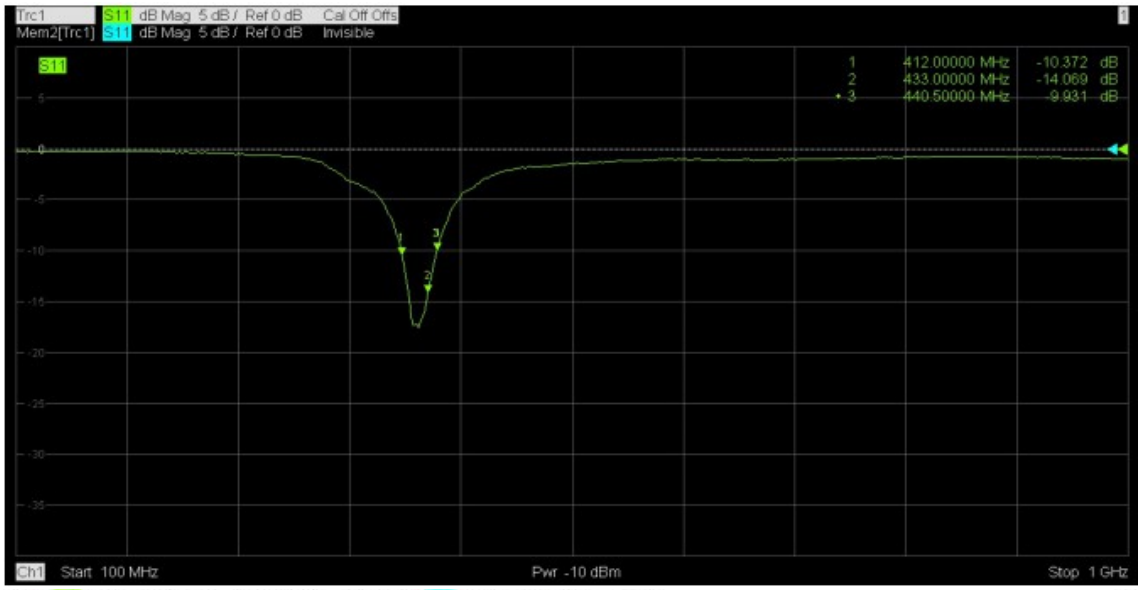


E-PLANE

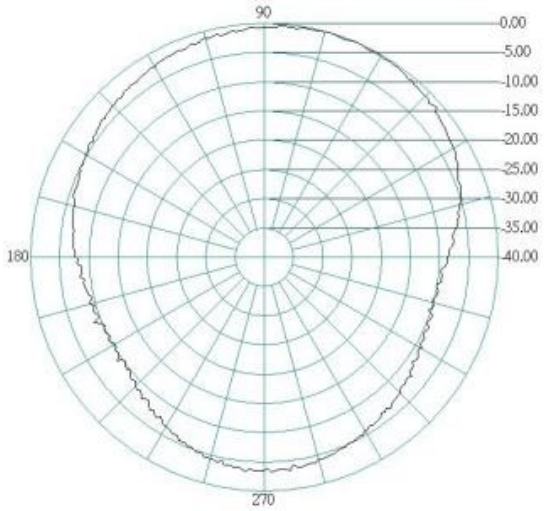


Testing result 5cm straight 433 MHz

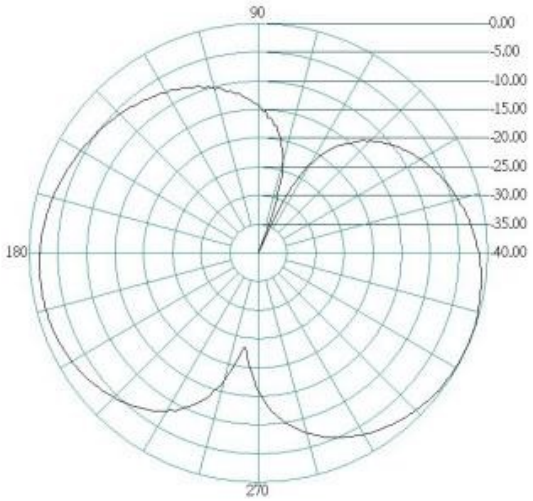
Received from manufacturer



H-PLANE

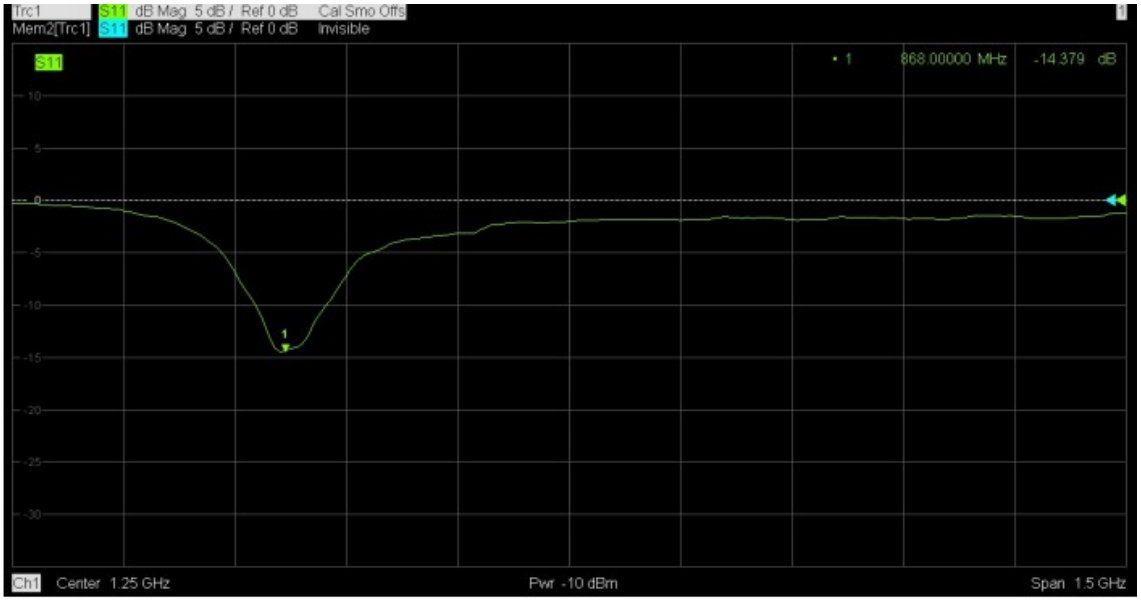


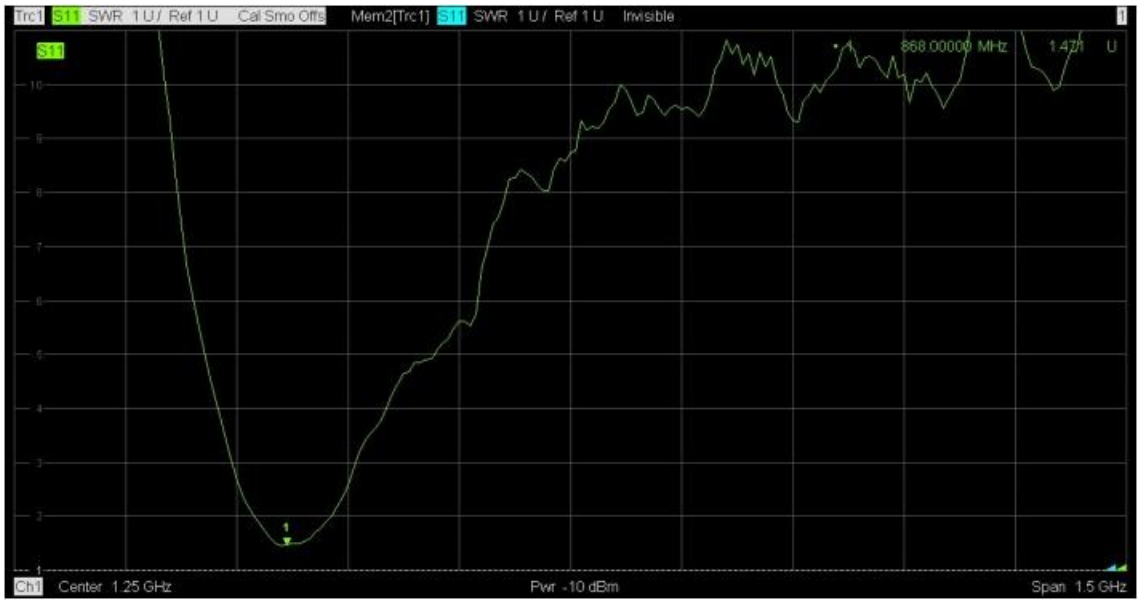
E-PLANE

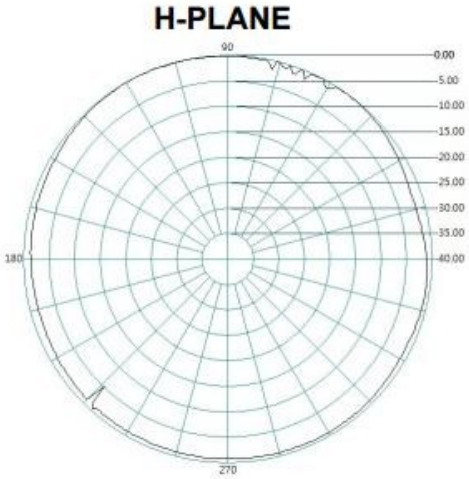


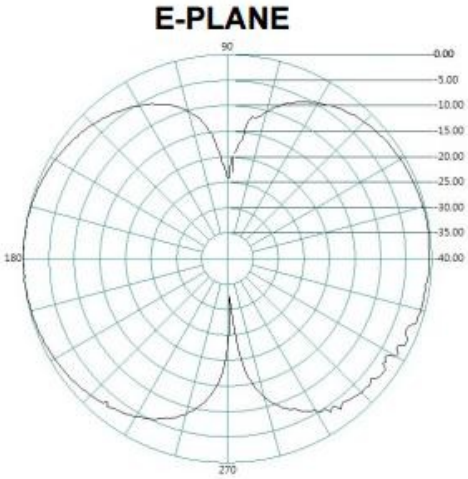
Testing result 5cm straight 868 MHz

Received from manufacturer



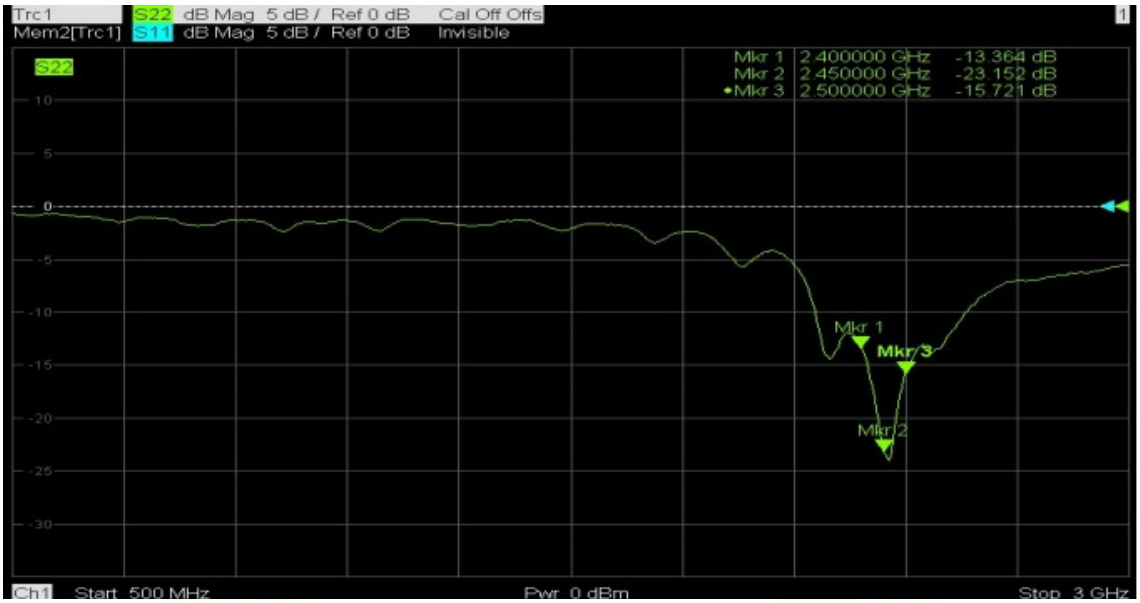




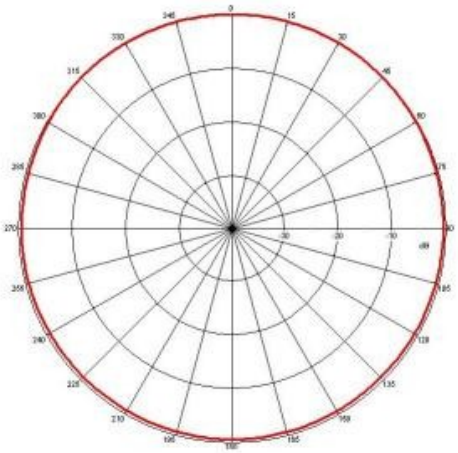


Testing result 5cm straight 2.4 GHz

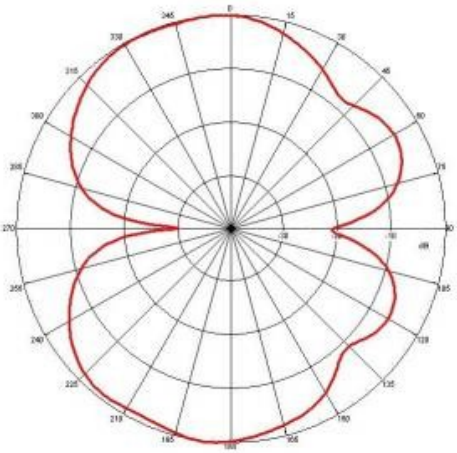
Received from manufacturer



H-PLANE

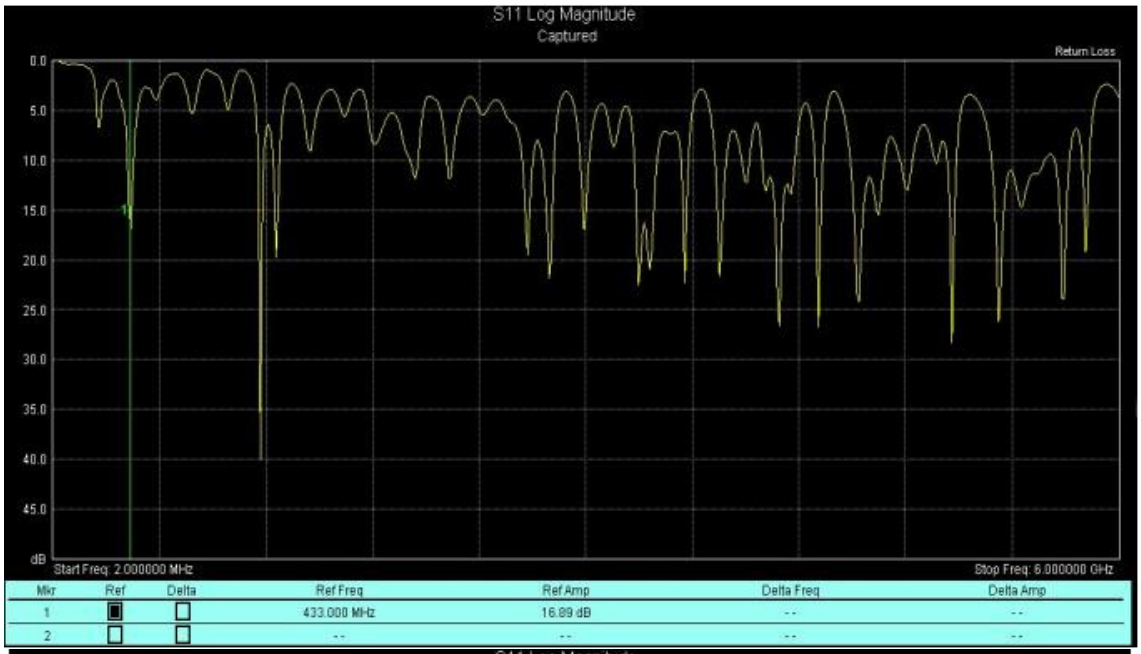


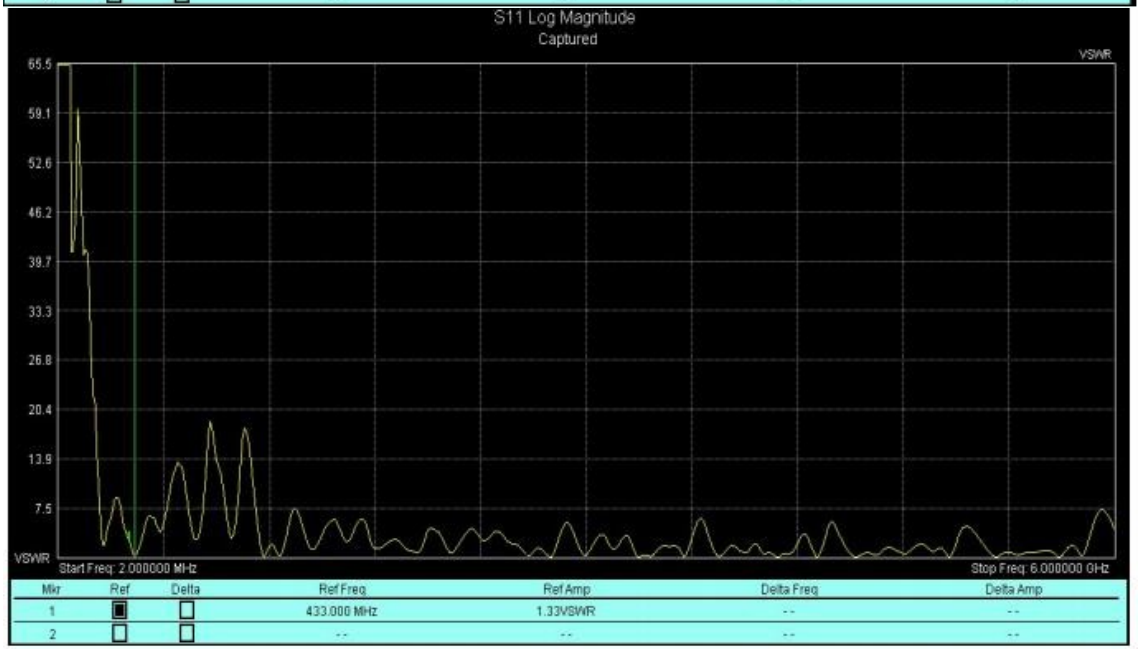
E-PLANE



Testing result 15cm 433 MHz

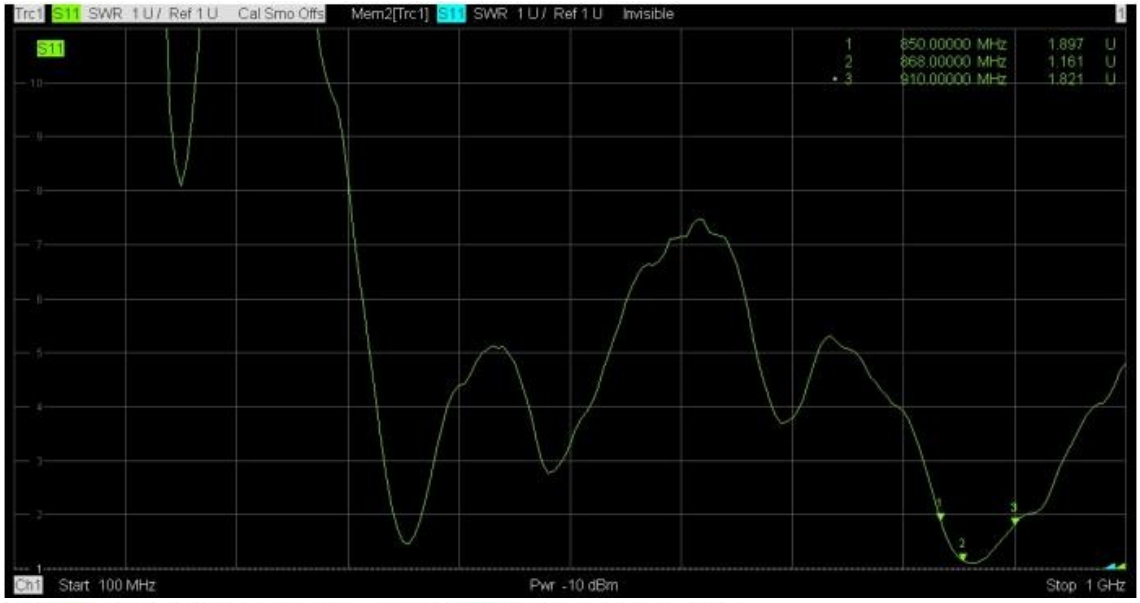
Received from manufacturer



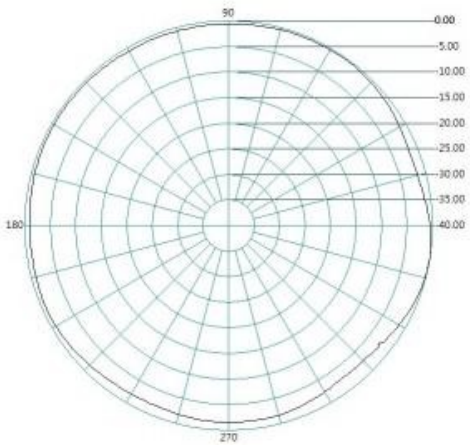


Testing result 15cm 868 MHz

Received from manufacturer



H-PLANE



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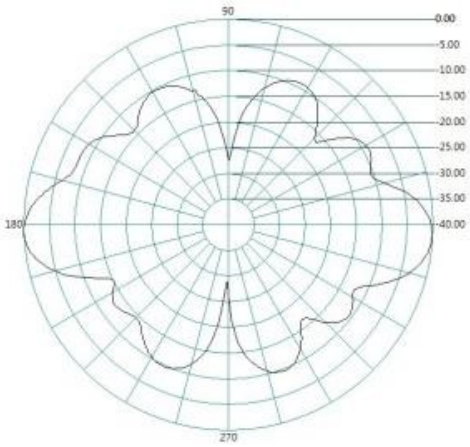
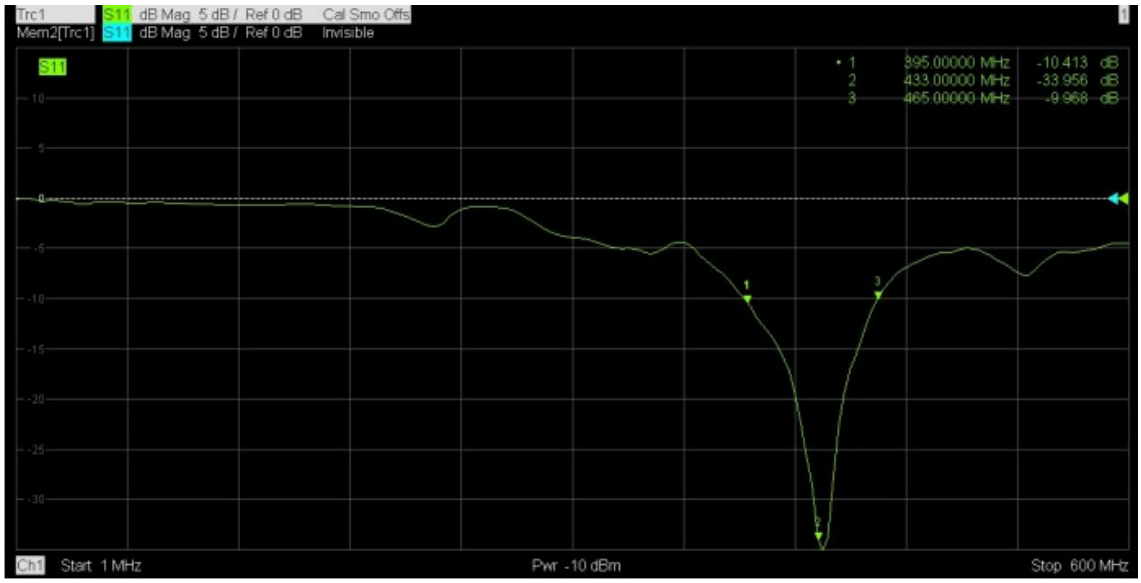
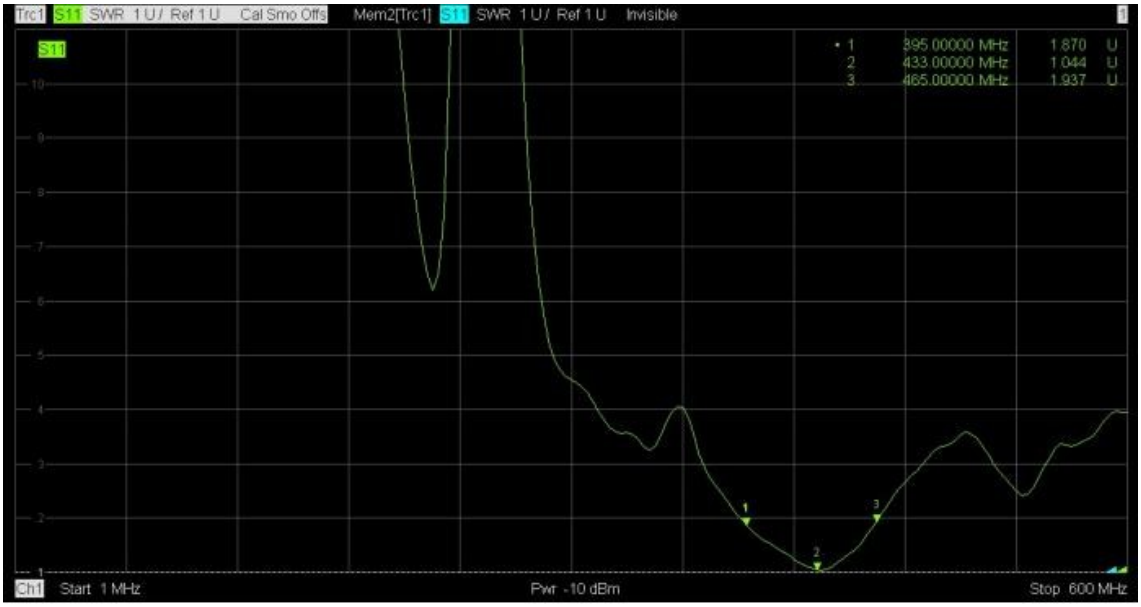


Testing result 36cm 433 MHz

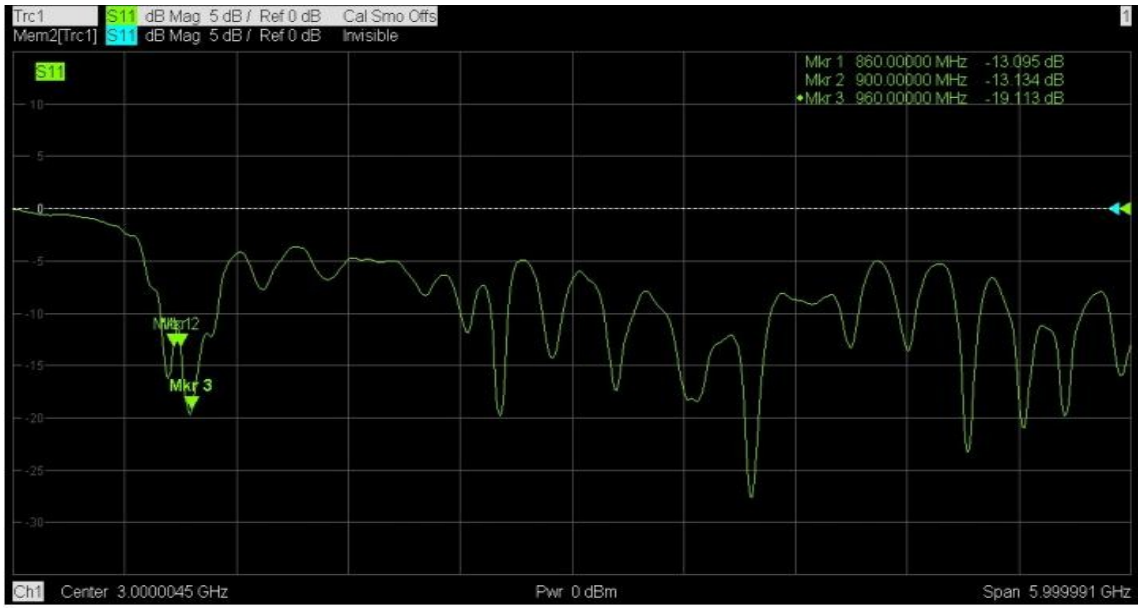
Received from manufacturer

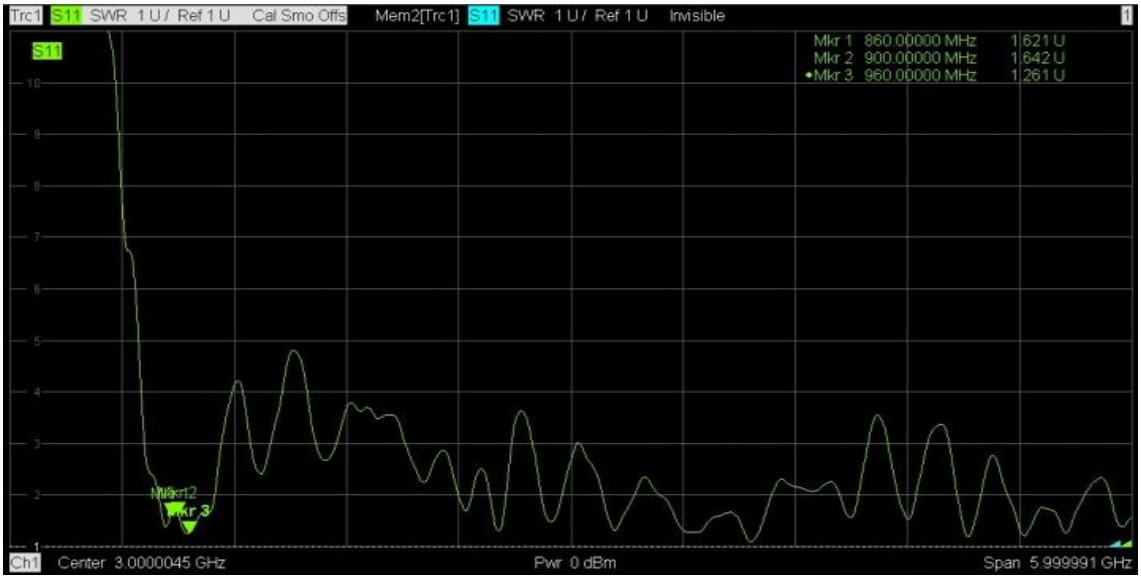




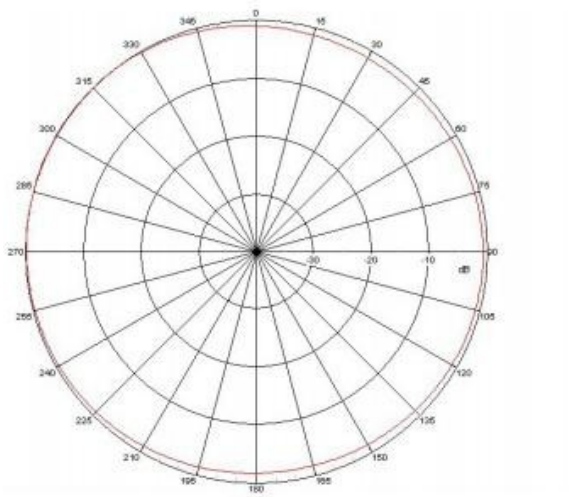
Testing result 36cm 868 MHz

Received from manufacturer





H-PLANE



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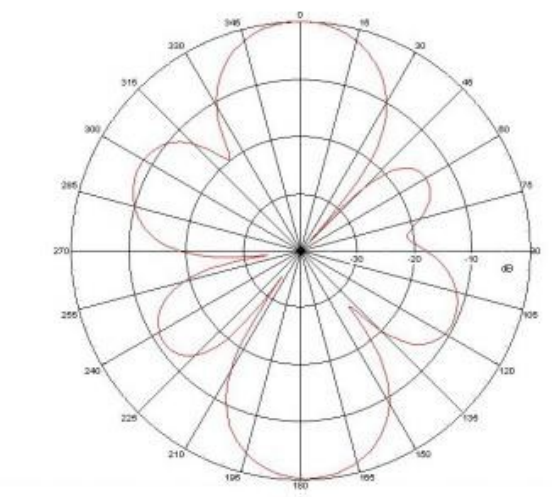

Ordering Information

Part	Ordering Code	MOQ	Package
5cm right angle 433 MHz	303.292	1	Single device in anti-static bubble bag
5cm right angle 868 MHz	303.281	1	Single device in anti-static bubble bag
5cm right angle 2.4 GHz	303.294	1	Single device in anti-static bubble bag
5cm straight 433 MHz	303.291	1	Single device in anti-static bubble bag
5cm straight 868 MHz	303.290	1	Single device in anti-static bubble bag
5cm straight 2.4 GHz	303.293	1	Single device in anti-static bubble bag
15cm 433 MHz	303.283	1	Single device in anti-static bubble bag
15cm 868 MHz	303.282	1	Single device in anti-static bubble bag
36cm 433 MHz	303.327	1	Single device in anti-static bubble bag
36cm 868 MHz	303.285	1	Single device in anti-static bubble bag

Revision history:

Version	Date	Changes	Editor
A	2017/06/09	Initial Version	Grünig