
Specifications of Air Patch Ant.

IDRO.Co.,Ltd

ITEM : Air Patch Antenna

PART NAME : IDRO260-915

MODEL NAME

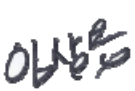
FEATURES : 900 MHz ISM Band

Provide highly stabilized performance

Circular microstrip patch antenna

DATE : February 24, 2014

QUANTITY : pcs

SUPPLIER : IDRO		
DRAWN	CHECKED	APPROVED
		

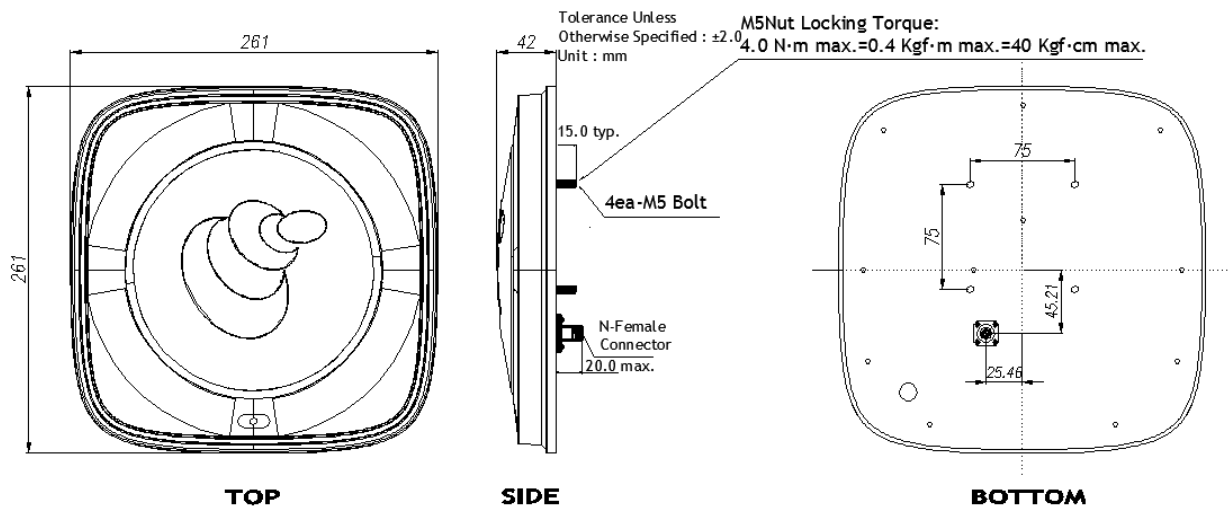


	IDRO260 ANT Specification		
	Company	Draw up date	version
	IDRO Co.,Ltd	2014-02-24	V4.2.24

1. Electrical Specifications.

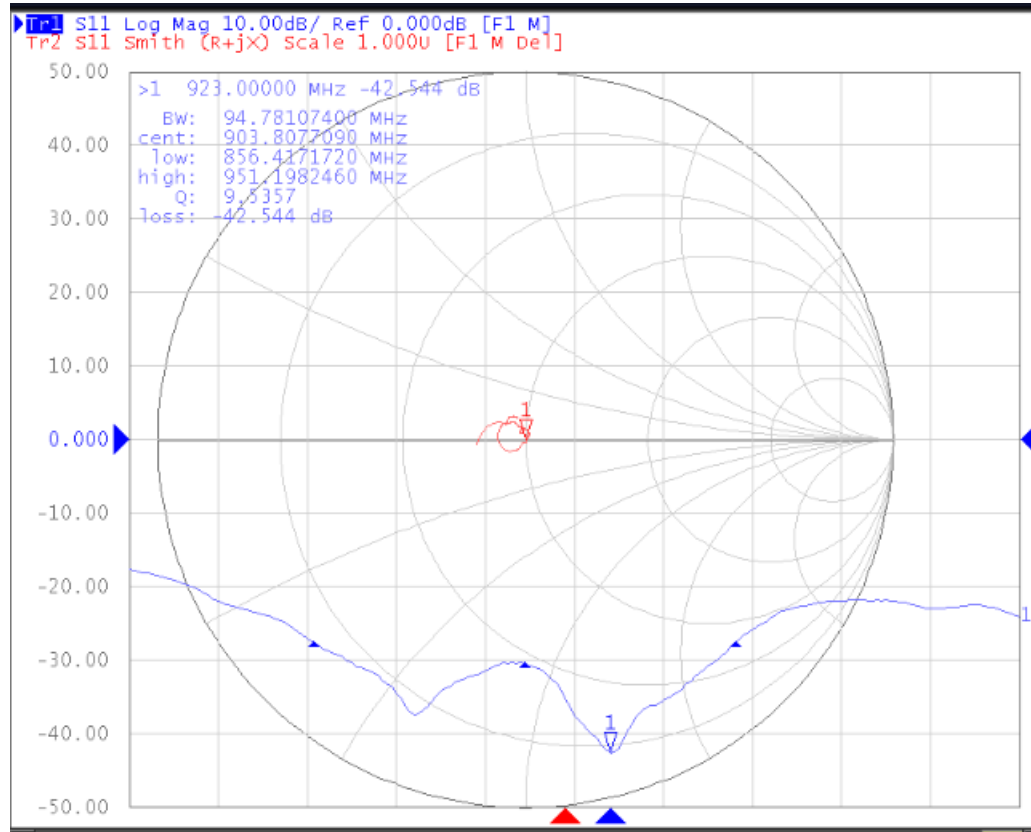
NO.	Parameter	Spec.	Unit	Remark
1	Center Frequency	915.0	MHz	
2	Band Width	94 typ.	MHz	@ -15 dB R.L
3	VSWR	1.3 : 1 max.	Ratio	
4	Impedance	50	Ohms	
5	Peak Gain	6.0 typ.	dBiL	
6	Polarization	RHCP		
7	Beam Width	62 typ.	Deg.	

2. Mechanical Dimensions. (unit : mm)



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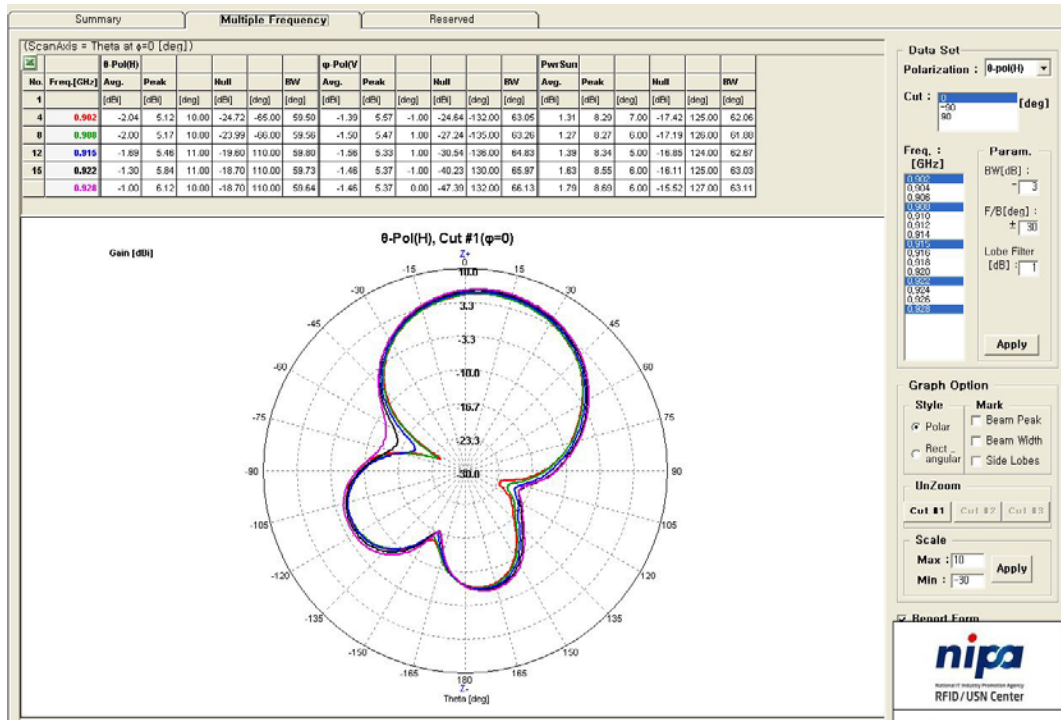
3. S11 Measurement Data



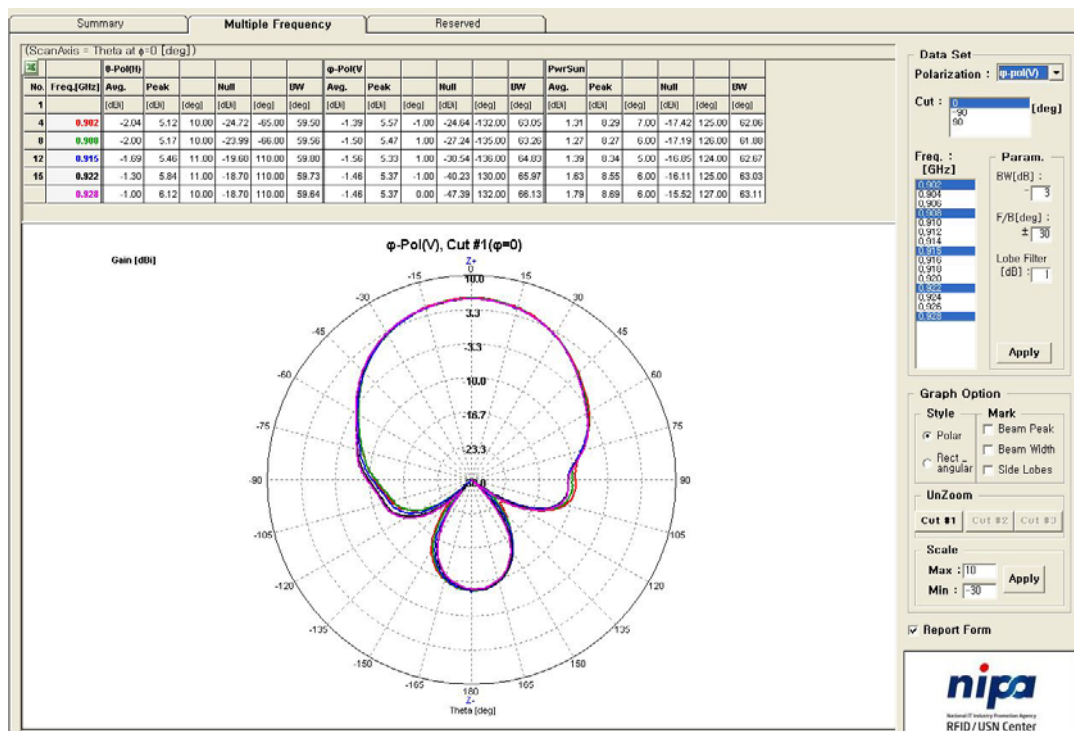
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4. Radiation Patterns. (Test date 2014.02.24)

4-1. H-Pol. (Frequency 902.0, 908.0, 915.0, 922.0, 928.0 MHz)



4-2. V-Pol. (Frequency 902.0, 908.0, 915.0, 922.0, 928.0 MHz)



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4-3. Gain Test data

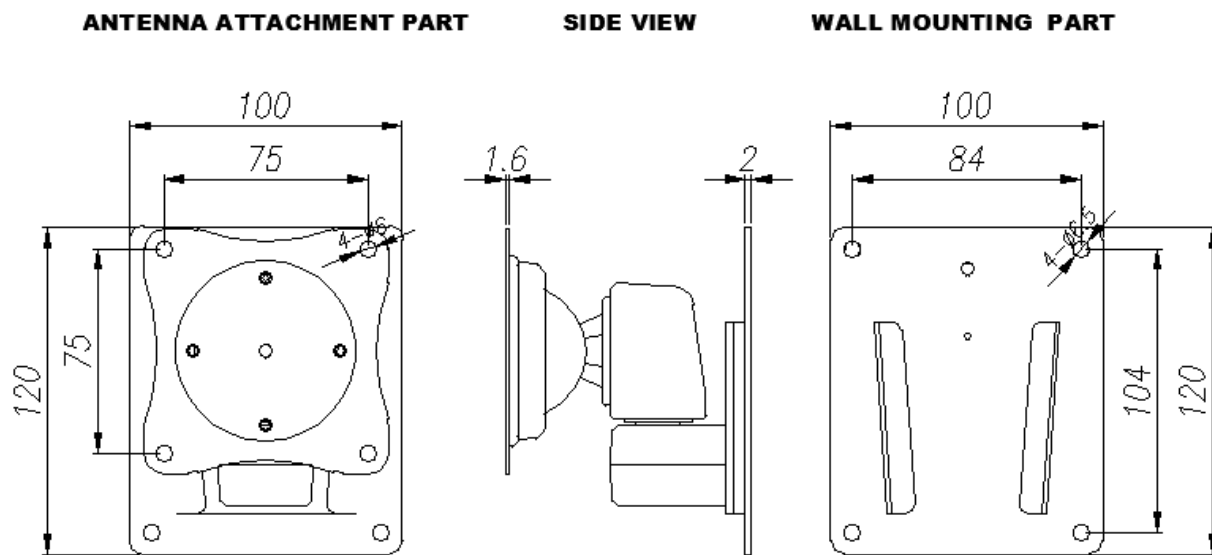
Source Antenna Polarization	Gain				
	902.0 MHz	908.0 MHz	915.0 MHz	922.0 MHz	928.0 MHz
H-pol. (dBiL)	5.12	5.17	5.46	5.84	6.12
V-pol. (dBiL)	5.57	5.47	5.33	5.37	5.37
RHCP(dBic)	8.28	8.26	8.32	8.52	8.65

4-4. List of utilized test equipment (IDRO)

NO	Kind of Equipment and Precision	Manufacturer	Model No.	Serial Number	Calibration Date	Specification	Note
1	Anechoic Chamber	MTG/ETS	Full Anechoic Chamber	-	N/A	15.24 m X 7.9 m X 7.9 m (0.4 ~ 18 GHz)	
2	Network Analyzer	Agilent	E8362B	MY43021301	13/09/06	10 MHz ~ 20 GHz	
3	Dual-Polarization Horn Antenna with RF Switch	MTG	QRH-004060		-	0.4 MHz ~ 6 GHz	Source
4	Calibration Antenna	Schwarzbeck Mess - Elektronik	BBHA 9120 LF	254	10/12/24	0.7 MHz ~ 6 GHz	Source / Reference
5	Absorber Installation	ETS	EHP series			Reflectivity : -25 dB @ 0.4 GHz -50 dB @ 18 GHz	

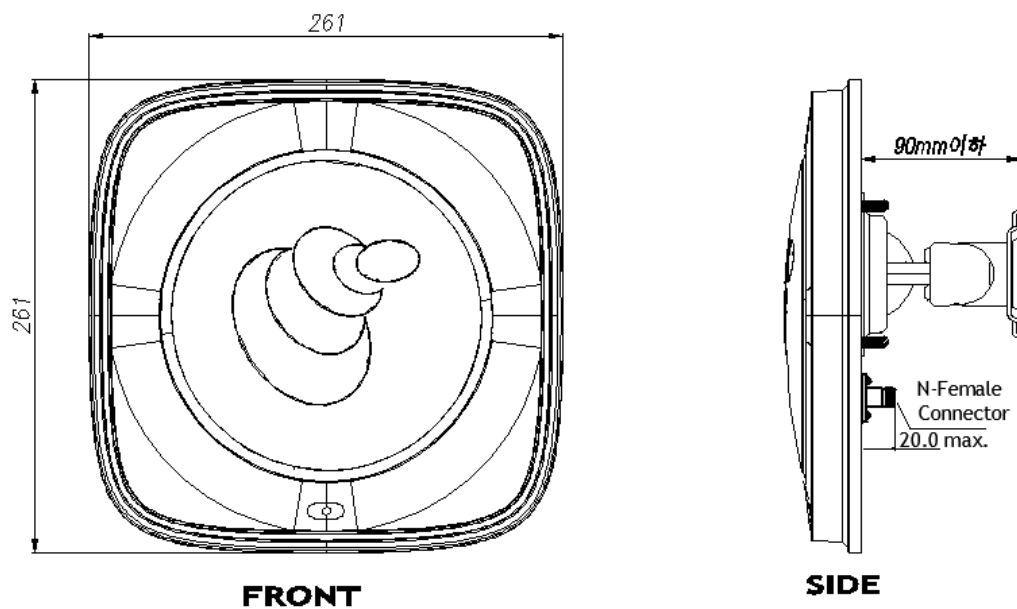
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5. Option : Antenna Attachment Bracket



UNIT : mm

ANTENNA ATTACHMENT BRACKET



ANTENNA & BRACKET Ass'y