



APPROVAL SHEET

PATHFINDER2 CAN/AUS PR20C ANT Spec

No. 1: Approval Item

No. 2: Dimension

No. 3: Electrical Specification

No. 4: V.S.W.R DATA

SM Rope & Wire Co., Ltd


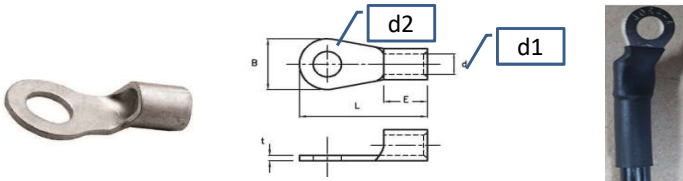
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E-mail: smco@smcorps.co.kr, <http://www.smcorps.co.kr>

No. 1: Appoval Item

Model Name	PR20C(Pathfinder2 CAN/AUS) ANT
Model Photo	
Coating Rope	Galvanized Steel Air Cable
Inner Cable	Air Cable 7 x 7
Inner Dia(MM)	2.38(- 0 ~ + 0.10)
Coating Material	Nylon PA 6 Black
Outer Dia(MM)	4.15(+/- 0.1)
Length(MM)	370(+/- 10)
Terminel / Tube	JOR4-4(KS C2620) / Tube 5 x 25MM
Hall Dia(MM)	d1:3.0(+/-0.2) / d2: 4.4(+/-0.2)
Terminel & Conneter Photo :	

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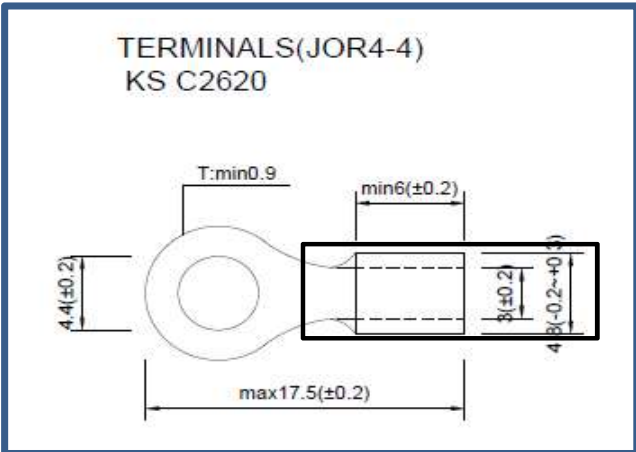
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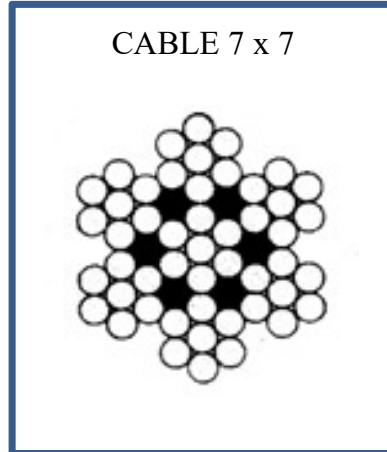
No. 2: Dimension

2-1). Terminal

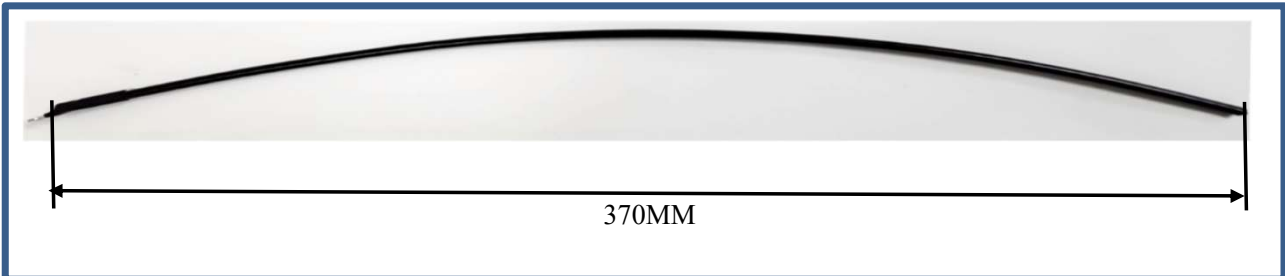



** TERMINAL 부의 수축튜브 5MM를 25MM로 절단후 수축

2-2). Inner Cable Construction



2-3). PR20C (Pathfinder2 CAN/AUS) ANT



ITEM	Pathfinder2 CAN/AUS ANT
Demension	4.15mm * 370mm
Version	2023 - 02
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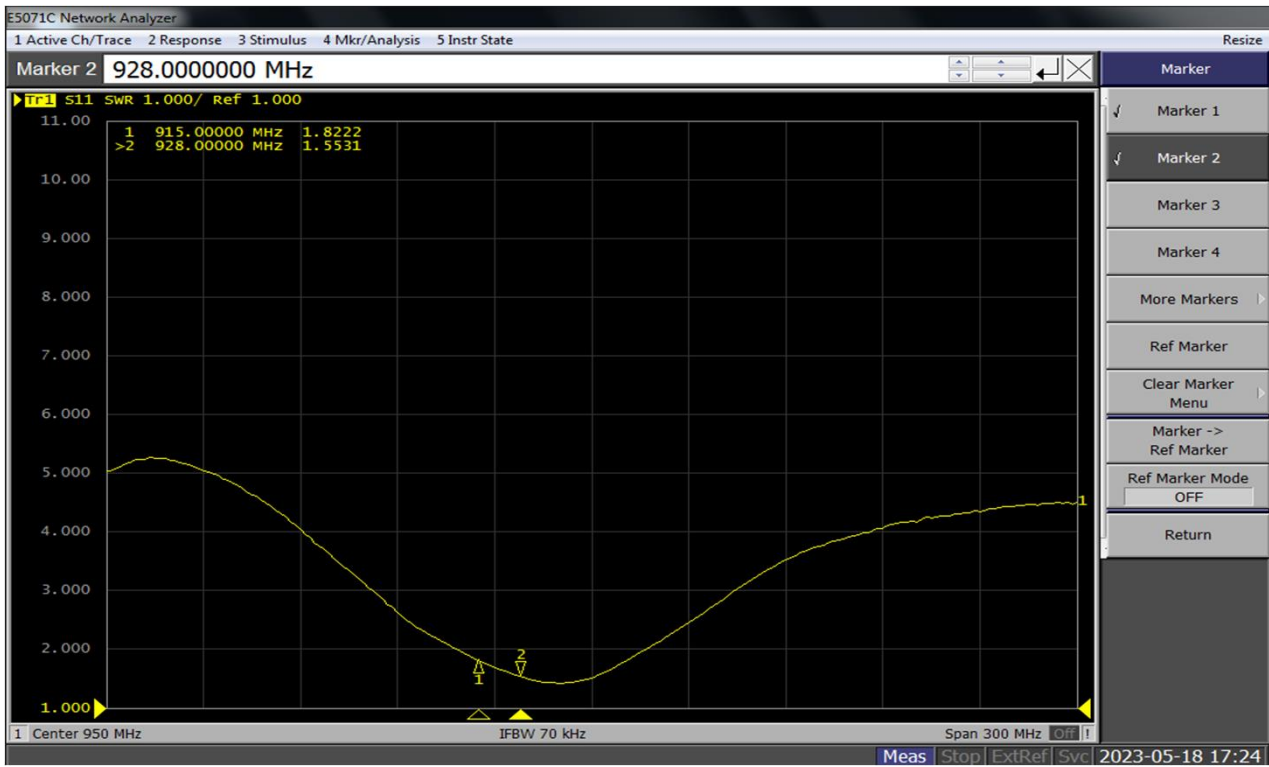
E-mail: smco@smcorps.co.kr, <http://www.smcorps.co.kr>



No. 3: Electrical Specification

Electrical Specification	
Frequency Range	915MHz ~ 928MHz
V.S.W.R	1.55 : 1 Max
Gain(dBi)	0. ±0.5
Radiation Patten	Omni-directional
Polarization	Vertical
Max Power(W)	5W Max
Impedance	50Ω Normalizer

No. 4: V.S.W.R



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Approval Specification

PM20C-BT ANT

Data : 2022. 2. 10

Version : 1.0

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2. APPLICATION

2.1 Application

- This specification was described for the PM20C BT-ANT Specifications

3. Antenna

3.1 Antenna Type

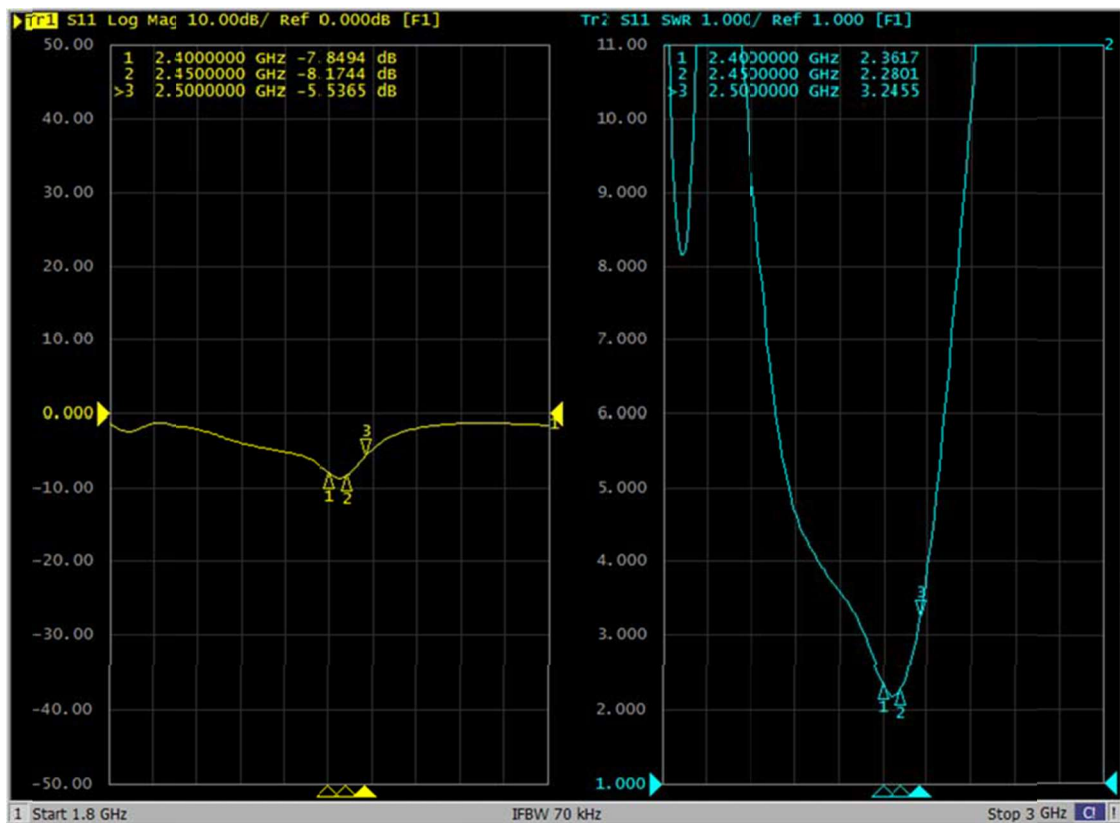
- PCB Pattern Antenna

3.2 Electrical Performance Data

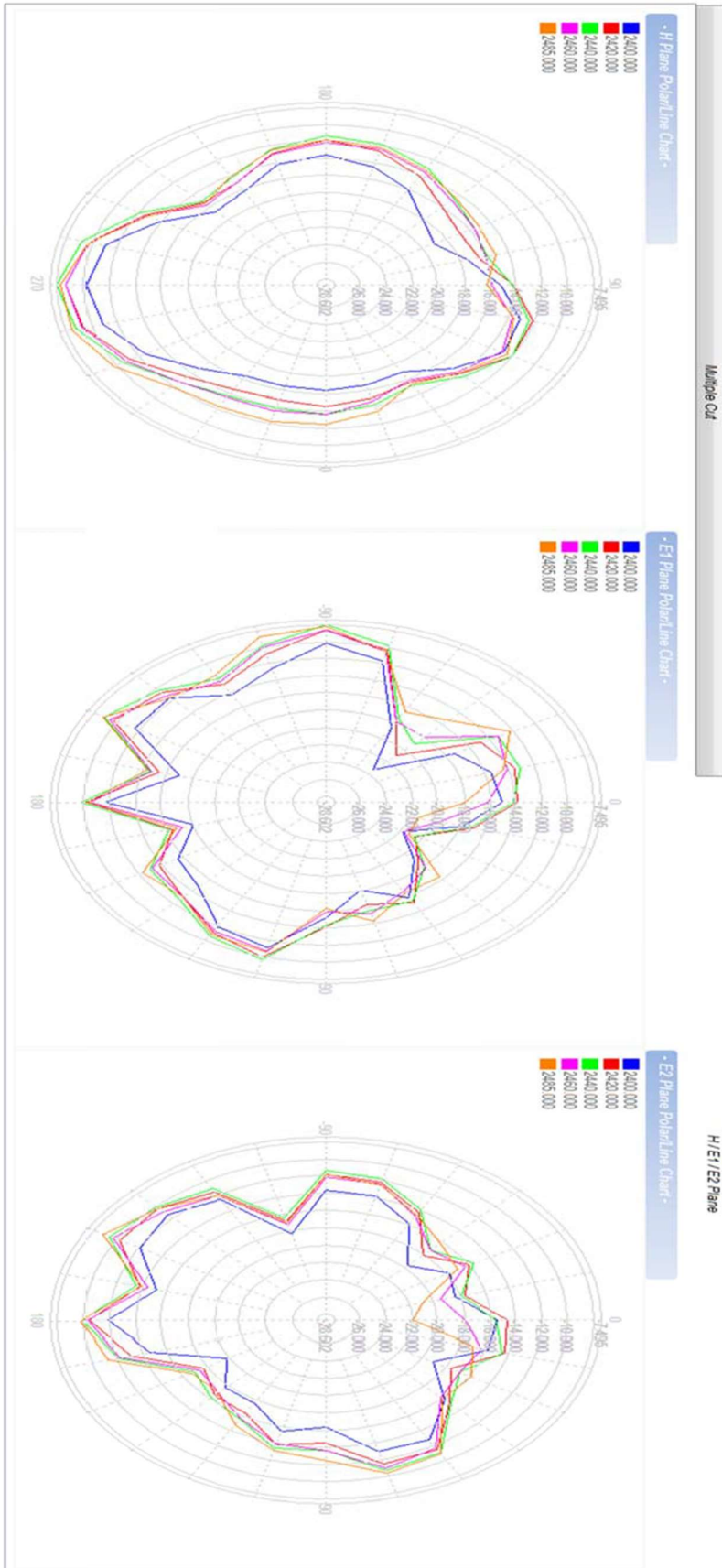
3.2.1 Electrical Specifications

No	Item	Spec	Remark
1	Frequency Range [GHz]	2.4 ~ 2.485	
2	VSWR	Max 2.5:1	
Radiation Gain	2.400 GHz	Peak Gain	-9.31
		Avg Gain	-14.403
	2.440 GHz	Peak Gain	-7.95
		Avg Gain	-12.632
	2.485 GHz	Peak Gain	-7.57
		Avg Gain	-12.663

3.2.2 VSWR/RL



3.2.3 Radiation Pattern



Frequency	Sum				H(E=90)				E1(E=90)				E2(E=90)				
	phiDeg	thetaDeg	Max(dB)	Angle(d)	phiDeg	thetaDeg	Max(dB)	Angle(d)	phiDeg	thetaDeg	Max(dB)	Angle(d)	phiDeg	thetaDeg	Max(dB)	Angle(d)	
2400.000	75.0	300.0	-9.831	-14.603	3.465	270.0	-10.203	-14.260	60.57	-90.0	-10.203	-14.219	38.57	-135.0	-11.502	-14.875	47.12
2420.000	75.0	300.0	-8.225	-13.197	4.790	270.0	-8.996	-12.870	57.74	-90.0	-8.996	-12.827	38.16	-150.0	-10.283	-13.449	43.03
2440.000	75.0	300.0	-7.495	-12.632	5.455	270.0	-8.038	-12.292	57.74	-90.0	-8.038	-12.307	40.40	-150.0	-9.466	-12.979	44.98
2460.000	75.0	300.0	-8.083	-12.206	4.779	270.0	-8.665	-12.799	60.00	-90.0	-8.665	-12.926	41.36	-150.0	-9.653	-13.568	41.41
2480.000	165.0	255.0	-7.697	-12.663	5.416	270.0	-8.319	-12.240	64.67	-90.0	-8.319	-12.460	45.11	-150.0	-9.795	-13.094	38.04

3.3 Antenna Drawing

