



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


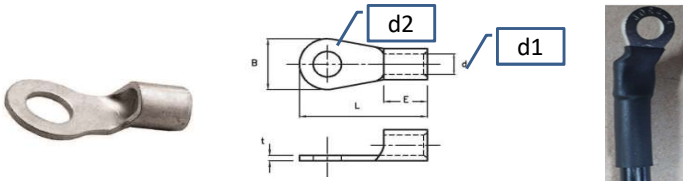
SM Rope & Wire Co., Ltd.

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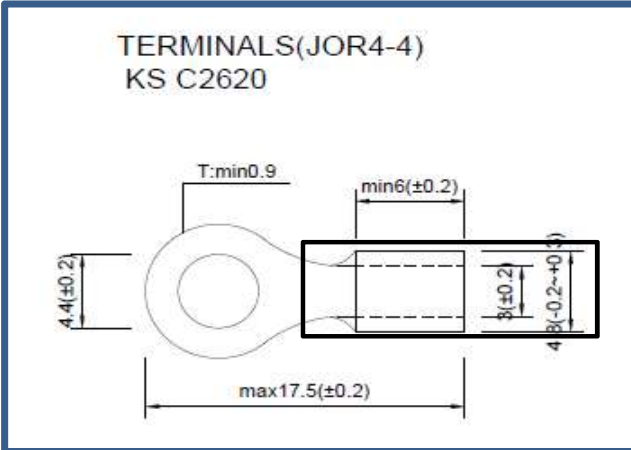
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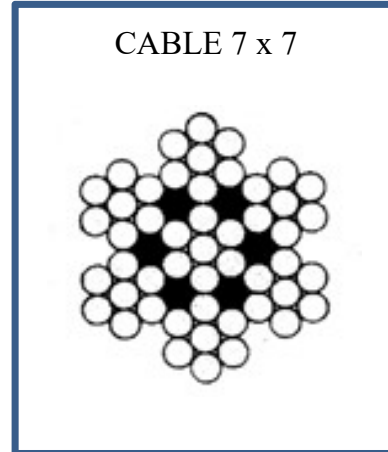
E-mail: smco@smcorps.co.kr, <http://www.smcorps.co.kr>

No. 2: Dimension

2-1). Terminal

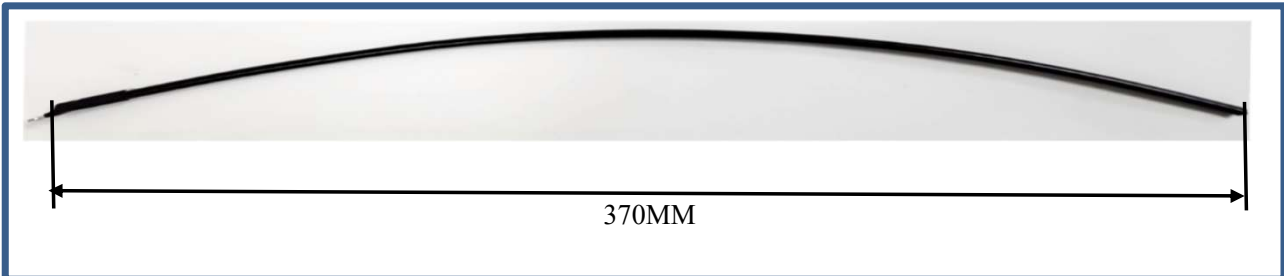



2-2). Inner Cable Construction



** TERMINAL 부의 수축튜브 5MM를 25MM로 절단후 수축

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



ITEM	Pathfinder2 CAN/AUS ANT
Demension	4.15mm * 370mm
Version	2023 - 02
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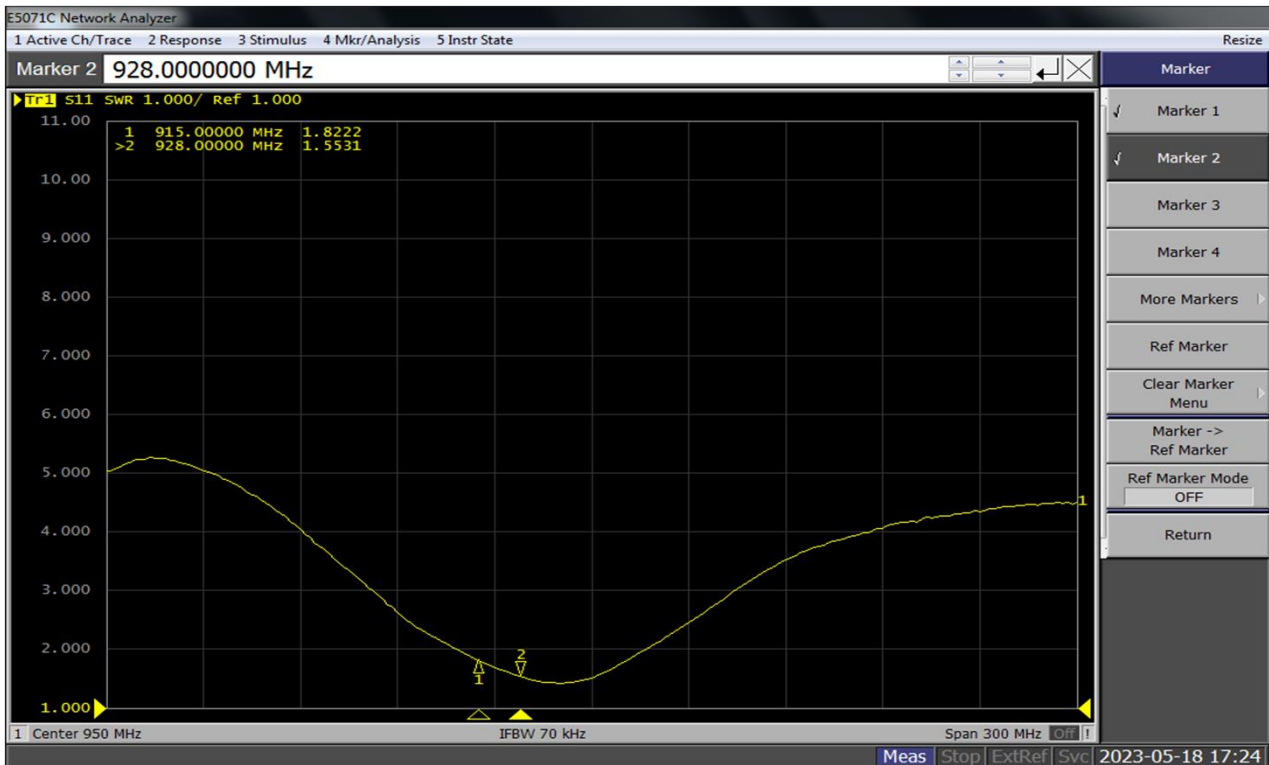
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No. 3: Electrical Specification

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

PR20E-BT ANT

Data : 2022. 4. 11

Version : 1.0

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2. APPLICATION

2.1 Application

- This specification was described for the PR20E BT-ANT Specifications

3. Antenna

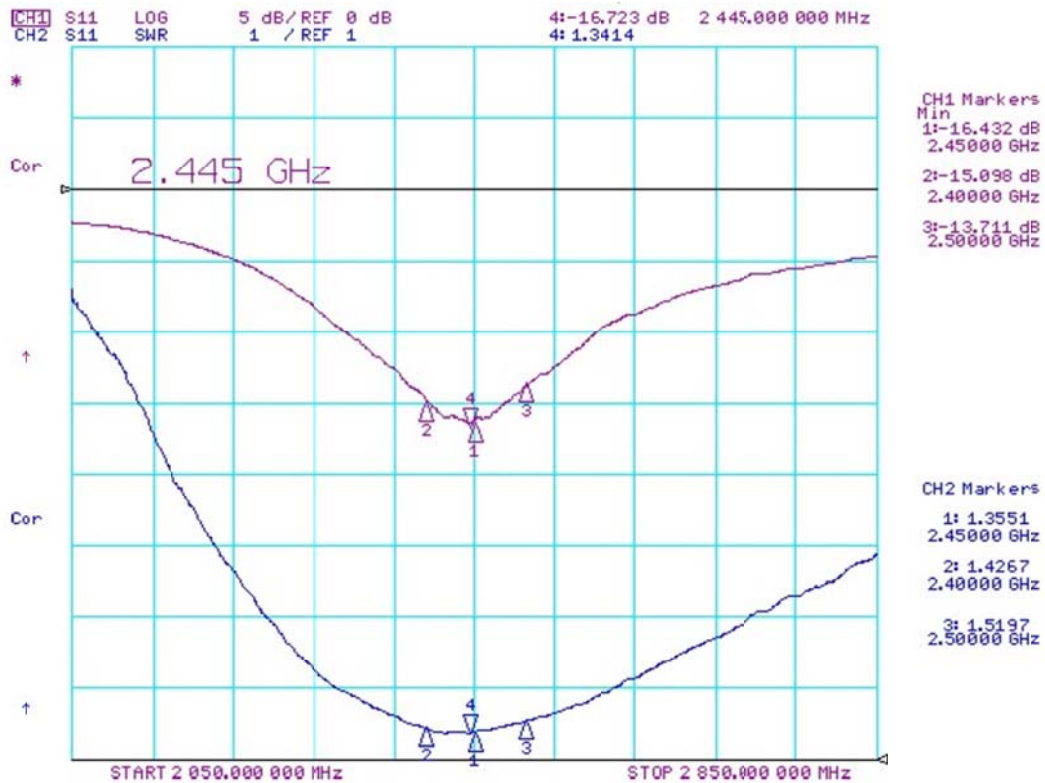
3.1 Antenna Type

3.2 Electrical Performance Data

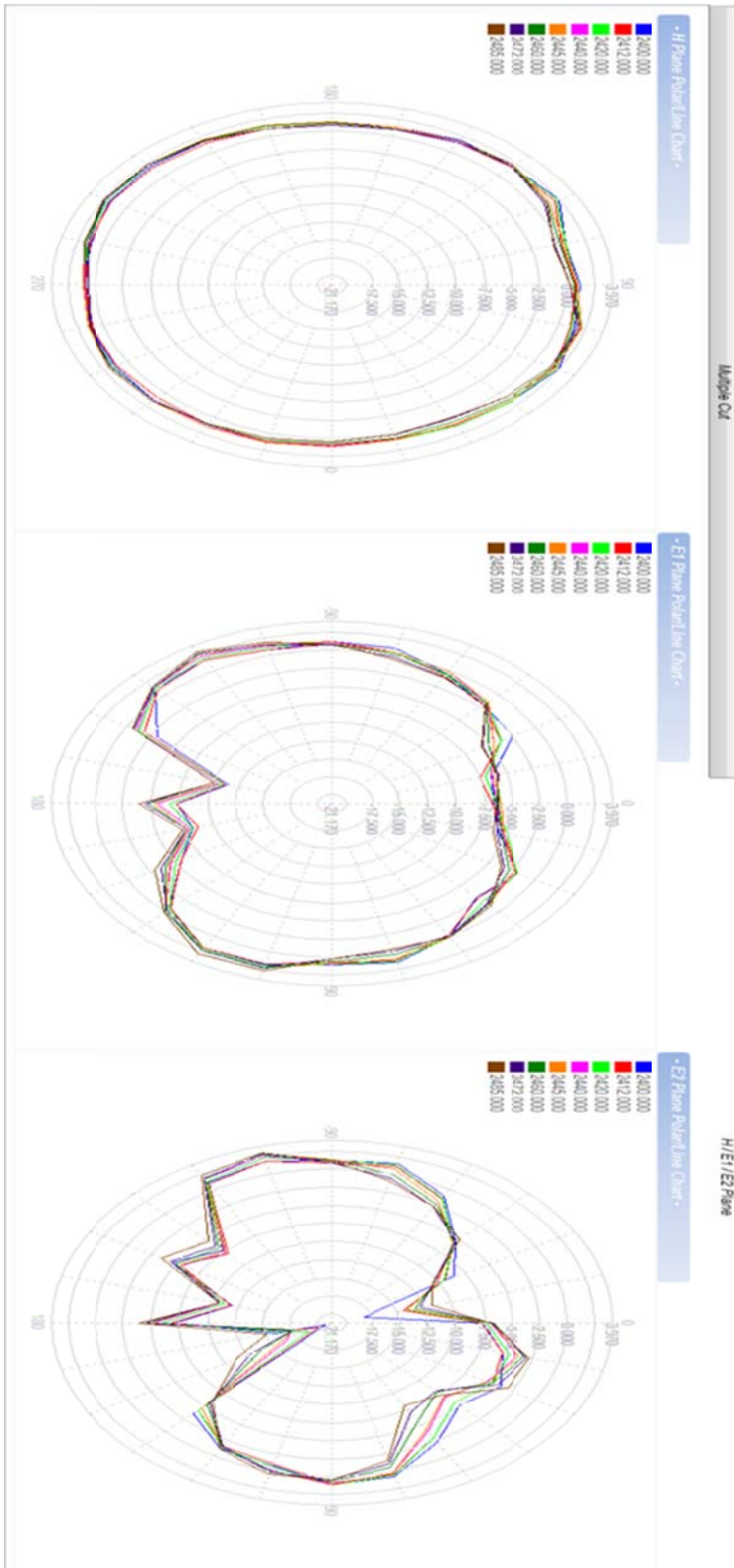
3.2.1 Electrical Specifications

No	Item	Spec	Remark
1	Frequency Range [GHz]	2.4 ~ 2.485	
2	VSWR	Max 2.5:1	
3	Peak Gain [dBi]	Typ 3.65	
4	Total Avg. Gain [dBi]	Typ -0.25	
5	Efficiency [%]	Typ 88	
6	Impedance [Ω]	Normal 50	

3.2.2 VSWR/RL



3.2.3 Radiation Pattern



Frequency	Sum			H-Plane			E1-Plane			E2-Plane							
	φ (Deg)	ψ (Deg)	Angle (Deg)	φ (Deg)	ψ (Deg)	Angle (Deg)	φ (Deg)	ψ (Deg)	Angle (Deg)	φ (Deg)	ψ (Deg)	Angle (Deg)					
2400.000	120.0	285.0	2.754	-0.384	91.540	120.0	2.421	1.591	0.000	105.0	1.888	-0.900	83.20	-105.0	1.919	-2.332	64.42
2412.000	120.0	285.0	2.665	-0.650	85.843	120.0	2.075	1.556	0.000	120.0	1.847	-1.084	82.32	-105.0	1.938	-2.519	61.73
2420.000	120.0	285.0	3.040	-0.990	91.048	120.0	2.259	1.520	0.000	120.0	2.108	-0.777	83.32	-105.0	2.359	-2.917	56.41
2440.000	120.0	285.0	3.291	-0.428	90.988	120.0	2.259	1.514	0.000	-120.0	2.413	-0.881	80.02	-105.0	2.727	-2.438	54.12
2445.000	120.0	285.0	3.485	-0.338	82.433	120.0	2.403	1.612	0.000	-120.0	2.584	-0.575	91.35	-105.0	2.993	-2.352	52.67
2460.000	120.0	285.0	3.551	-0.523	88.882	120.0	2.323	1.499	0.000	-120.0	2.698	-0.708	82.36	-105.0	2.918	-2.551	48.80
2472.000	120.0	285.0	3.559	-0.673	85.542	120.0	2.212	1.191	0.000	-120.0	2.771	-0.838	72.91	-105.0	2.814	-2.669	44.20
2485.000	120.0	285.0	3.970	-0.674	88.864	120.0	2.444	1.297	0.000	-120.0	3.189	-0.838	64.61	-105.0	3.112	-2.448	41.35

3.3 Antenna Drawing

