



PEOPLE'S TELEVISION
P A R A S A B A Y A N

People's Television Network, Inc
Broadcast Complex, Visayas Avenue, Diliman, Quezon City 1100
Telephone No. 3453-1097 /www.ptv.ph

BID BULLETIN NO. 1

16 December 2020

Installation, Testing and Commissioning of Three (3) Sets of Sixteen (16) Panel Digital Terrestrial Television (DTT) Antenna System with Complete Accessories for the Cordillera, Guimaras & Davao TV Transmitter Stations of the People's Television Network, Inc. (PTNI)

ITB NO. 2020-0028

This Bid Bulletin is being issued to revised, clarify or add certain portions of the Bidding Documents. This document shall form an integral part of the Bidding Document for the above-cited project.

Additional Information

Item 4.5 under 4.0 Antenna Equipment of Technical Specifications & Requirements (TSR)

4.5 The detailed specification of the DTT antenna to be installed is herewith attached as "Annex A."
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All other information in the bidding document inconsistent with the above is hereby revised accordingly. All other provisions which are not affected shall remain in effect.

For further guidance and information of all concerned.

Thank you.

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ATTY. JASON SHAHEER H. SALENDAB
Chairman
Bids and Awards Committee



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ANNEX "A"



AT15-250

Band IV/V horizontal polarization panel • Especially suitable for square masts

Electrical Specifications

Frequency range	470-862 MHz			
Peak gain	11.35 dB (ref. $\lambda/2$ dipole)			
3 dB beam width	E-plane: 61°		H-plane: 26°	
Polarization	Horizontal			
Impedance	50 Ohm			
VSWR	$\leq 1.1:1$ typical ($\leq 1.13:1$ max)			
Maximum power handling peak sync	1.4 kW	3.5 kW	4.2 kW	6.5 kW
Maximum power handling RMS	1 kW	2.5 kW	3 kW	4.5 kW
Connector type	DIN 7/16	EIA 7/8"	DIN 13/30	EIA 1 5/8"
Pressurization	Non pressurized	Gas barrier on input connector		

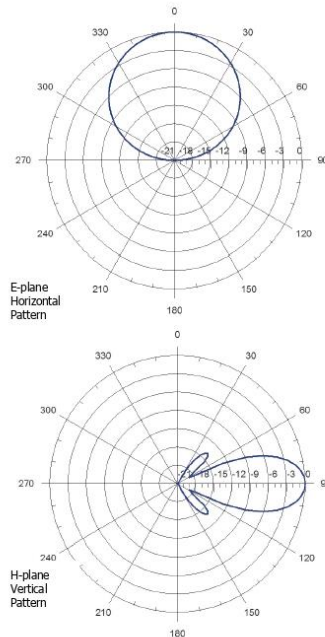


Mechanical & Environmental

Materials	Reflector & radiating elements Radome Radome colour	Aluminium (Stainless steel available on request) Fiberglass Red or white on request
Dimensions (W x D x H)	483 x 264 x 983 mm	
Maximum wind speed	220 km/h	
Wind load (front)	743 N (@160 km/h)	
Wind load (lateral)	258 N (@160 km/h)	
Weight	10 kg (model with DIN 7/16 connector)	
Typical mounting	Square typical (other combinations depending on the radiation pattern required)	
Vertical spacing	1000 mm	
Grounding	DC grounded	
Temperature range	-40°C to +80°C	
Humidity	100%	

Antenna System Characteristics

Number of Bays	Number ant. per bay	Peak gain (dBd)	Weight (kg)	Wind load (@160 km/h)	System height (mm)
1	2	8.4	20	1.1 kN	1000
	3	6.6	30	1.6 kN	
	4	5.3	40	1.5 kN	
2	2	11.4	40	2.2 kN	2000
	3	9.6	60	3.2 kN	
	4	8.3	80	3.1 kN	
4	2	14.4	80	4.4 kN	4000
	3	12.6	120	6.4 kN	
	4	11.4	160	6.2 kN	
6	2	16.1	120	6.6 kN	6000
	3	14.4	180	9.6 kN	
	4	13.1	240	9.3 kN	
8	2	17.4	160	8.8 kN	8000
	3	15.6	240	12.8 kN	
	4	14.4	320	12.4 kN	



NOTES:

- Table supplies data up to 8 bays only for simplification purposes; systems with more bays are available.
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
- Wind load & weight figures without considering cables, splitters & hardware.