



# Maxiva™ Series

Air Cooled VHF Transmitter Test Data

## Customer Information

PT. Trisha Jaya Elektrindo

*Customer Name*

MALANG

*Call Letters or Site Name*

2024 - 00103

*Order Number*

*Location*

## Transmitter Information

VAX-OP-2P6-DA

*Transmitter Model*

2624-013321

*Transmitter Serial Number*

9D

*Channel*

208.064 MHz

*Frequency*

3000

*TPO*

DAB

*Standard*

## Comments:

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Test Technician:

Ivo Xavier Neto, Vital

24-Lug-2024 - 10:57

*Test Technician (Signed)*

*Transmitter Test Conditions*

<i>Voltage Configuration:</i> AC 380V 3Ph
<i>Total Power Consumption:</i> 7.3 kVA

<i>Test Equipment</i>	<i>Make</i>	<i>Model</i>	<i>Asset #</i>
TV Analyzer 4	R&S	ETL TV ANALYZER	GAINC12897
Power Meter	Fluke	434PQA	ATLOT11003
Power Sensor	Fluke	i400s	ATLOT11003

Voltage and current readings taken at factory test conditions, customer specific readings may vary.

### Overview

**RSS ETL Digital Overview** Lvl 103800, PW 3.51

Ch: 20 9D RF 208.064000 MHz T-DMB/DAB

\* Att 10 dB  
ExpLvl -20.00 dBm

**MER (rms) 37.2 dB**

Ensemble: OpenDigitalRadio		Date & Time(UTC)03.11.2017, 08:43:47			
Pass	Limit	<	Results	<	Limit Unit
Level	-60.0		-17.2		10.0 dBm
Sideband			Normal		
Transmission Mode			Mode I, 1536 carriers		
Carrier Freq Offset	-30000.0		0.0		30000.0 Hz
Ext Bit Rate Offset	-20.0		0.0		20.0 ppm
MER/EVM (rms)	24.0		37.2		---- dB
MER/EVM (peak)	10.0		24.6		---- dB
OLim BER before Viterbi			0.0e-8(143/1K00)		1.0e-2
FIB Errors			0		1 /s

Subchannel parameters (SubChId ---, Type ---)			
PS BER before RS		Not applicable	2.0e-4
Packet Error Ratio		Not applicable	1.0e-8
Packet Errors		Not applicable	1 /s
MPEG Ts Bitrate		Not applicable	kbit/s

Lvl -17.2dBm | BER 0.0e-8 | MER 37.2dB **DEMOD FIC**

### Spectrum

**RSS ETL C/N** Lvl 102800, PW 3.51

Ch: 20 9D RF 208.064000 MHz T-DMB/DAB

\* RBW 30 kHz  
\* VBW 300 kHz  
\* Att 10 dB  
\* SWT 1s  
ExpLvl -20.00 dBm

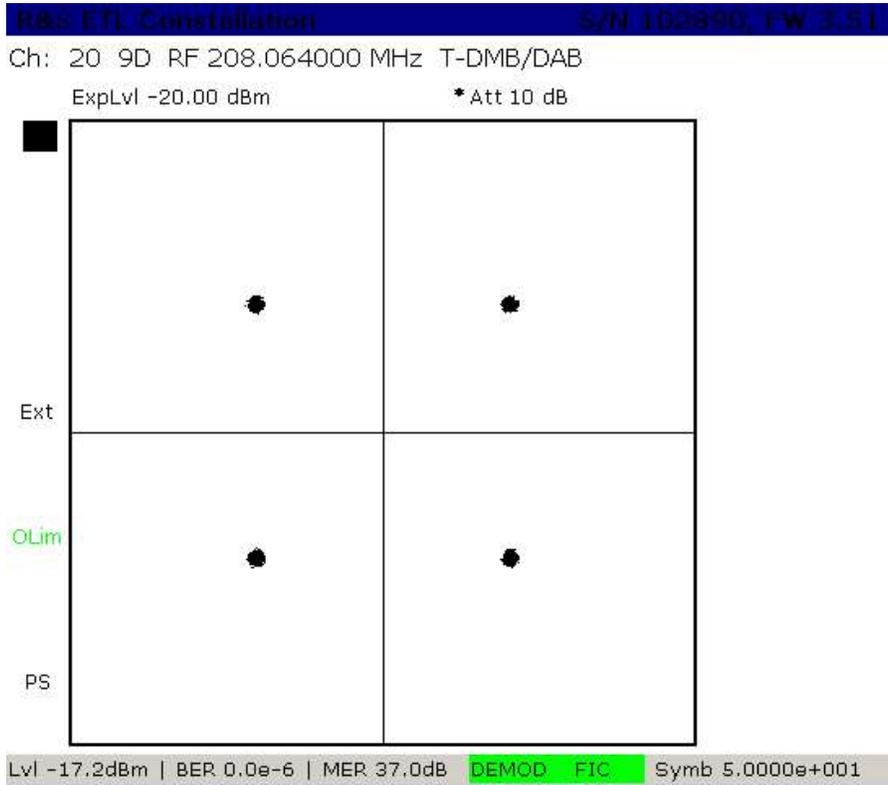
1Rm Clrw

Ext

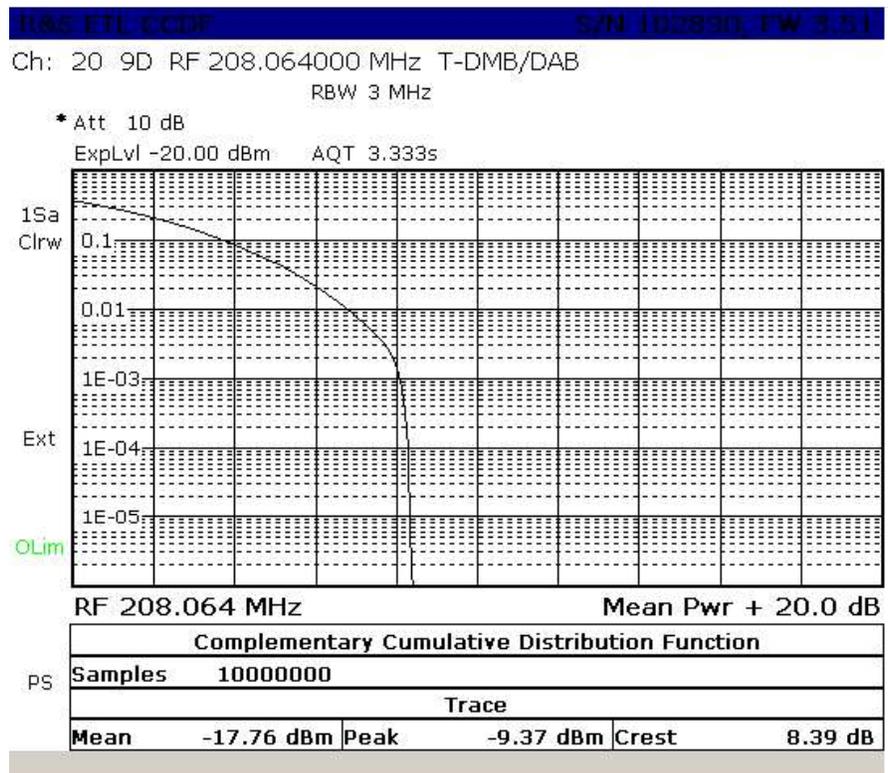
PS CF 208.064 MHz Span 10.0 MHz

C/N	Frequency	Result	Unit
C/N (NoiseBW:100 kHz)	970.000 kHz	41.7	dB

### Constellation



### CCDF



Consumption CH.9D DAB @3000Wrms

Power & Energy				
	FULL	⊕	0:01:03	⊖
	A	B	C	Total
kW	2.39	2.57	2.28	7.24
kVA	2.40	2.59	2.29	7.30
kVAR	± 0.25	± 0.32	± 0.27	± 0.83
PF	0.99	0.99	0.99	0.99
DPF	1.00	1.00	1.00	0.99
A rms	10.6	11.3	10.0	
	A	B	C	
V rms	226.8	229.2	229.9	
22/07/24 16:49:21 400V 50Hz 3Ø WYE DEFAULT				
VOLTAGE		ENERGY		HOLD RUN