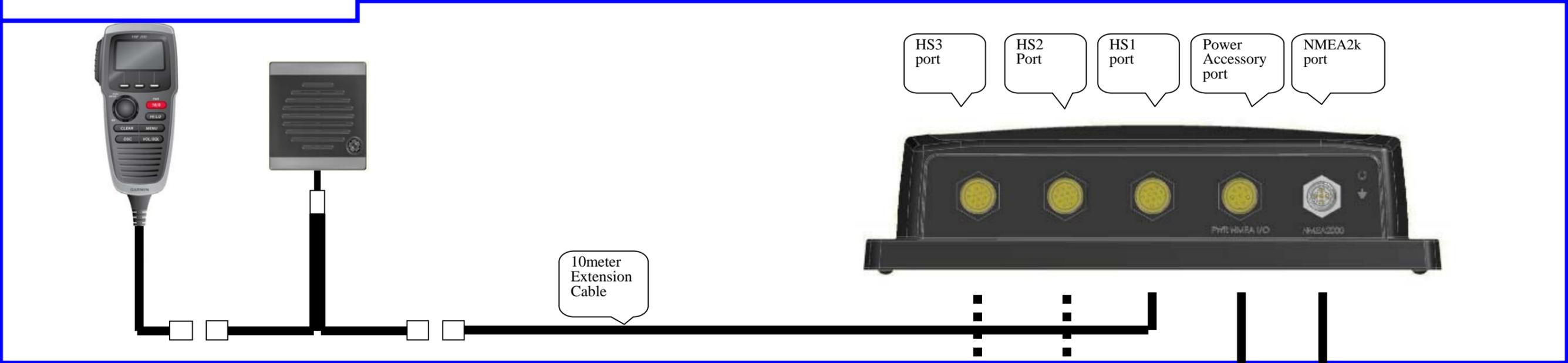
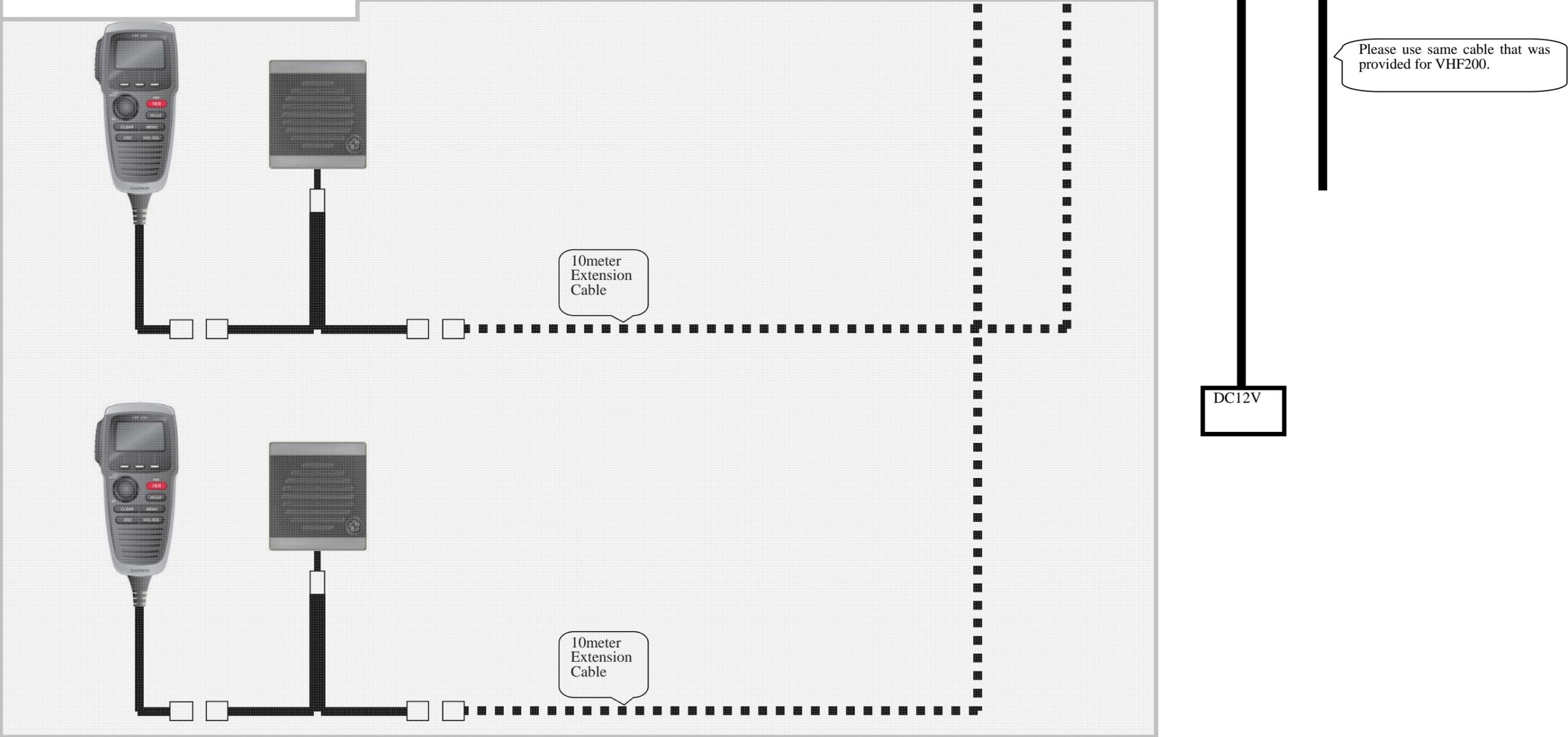


Standard Configuration



Optional Configuration





Demodulated DSC signal output port.(Digital signal)
This port is prepared for testing the DSC receiver performance at TUV.
This port is testing purpose only for TUV.
It is not required to connect any equipment when testing EMC.

Bit Error rate meter.

ANT port.

Items listed below were sent for testing.

VHF300 BASE
Q'ty : 3



Handset with Audio input/output terminals
Q'ty : 3

--Note--
Please do not use the Handset which this arrangement was given for EMC TEST.

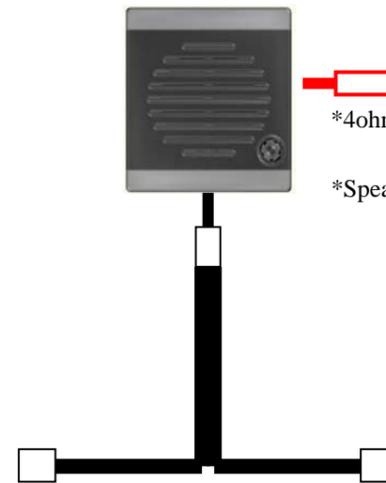


*22 ohm dummy load is installed instead of speaker.
*Speaker is not active.
*Microphone is not active.



Speaker with Audio output terminals / White resin material
Q'ty : 3

--Note--
Please do not use the Handset which this arrangement was given for EMC TEST.



*4ohm dummy load is installed.
*Speaker will active when un-plugged.

Normal Handset
Q'ty : 3

--Note--
Please use normal Handset for EMC TEST.



Normal Speaker / White resin material
Q'ty : 3

--Note--
Please use the normal Speaker for EMC TEST.





Enter the Test Mode testing the Modulation of DSC .

Step-1. Enter the Test Mode

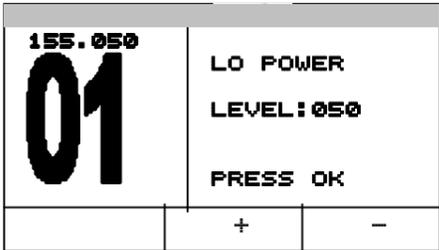


- 1. Turn off power.
- 2. Press and hold "MENU" + "16".
- 3. EUT will ask to enter the key code.

Step-2 Enter the Key code

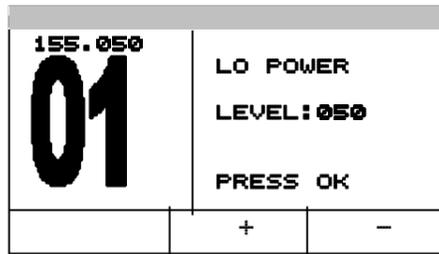


Please enter the Key code as follow.
CLEAR>>Center softkey>>Left softkey>>Right softkey
Screen will be as right image.

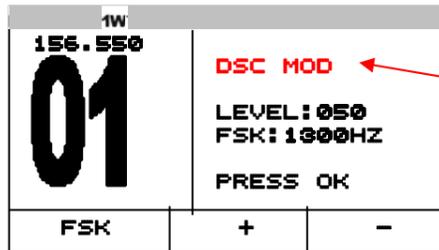
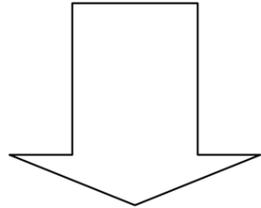


1 Testing of FSK modulation of DSC.

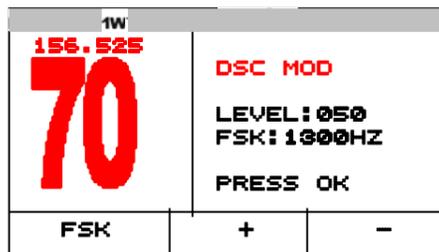
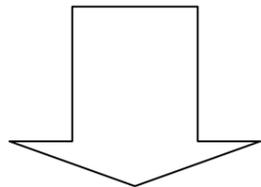
*1.1 Set the EUT to DSC Modulation Test Mode.



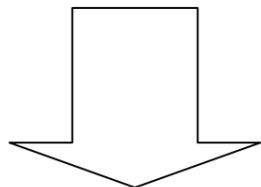
Initial screen image of Test Mode.



Press "MENU" key to set the Test Mode to DSC MOD.
SHUOLD BE "DSC MOD".!!
Please confirm.



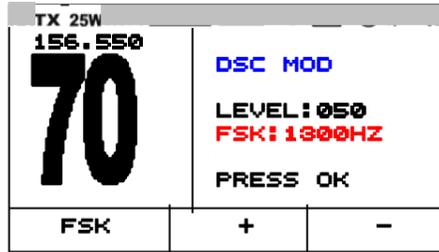
Press "- " Soft key to set the channel to 70.



continue to the next page

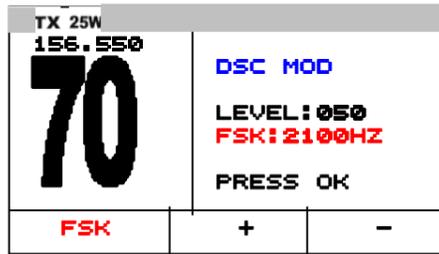


1.2 Testing Y-state / 1300Hz modulation



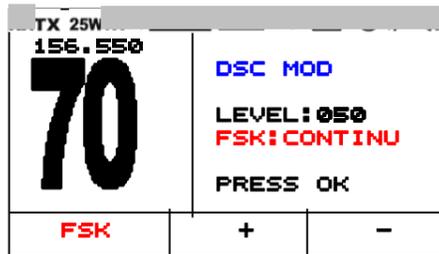
1. Press PTT then Y-State / 1300HZ Signal will be transmitted. Transmit Power will be 25W.

1.3 Testing B-state / 2100Hz modulation



1. Press "FSK" softkey to change FSK signal to the B-state.
2. Press PTT then B-State / 2100HZ Signal will be transmitted. Transmit Power will be 25W.

1.4 Testing continuous Y-state and B-state.



1. Press "FSK" softkey to change FSK signal to continuous mode.
2. Press PTT then continuous signal will be transmitted. Transmit Power will be 25W.

"FSK" Soft Key



Note: Please take a note for frequency set at test mode.

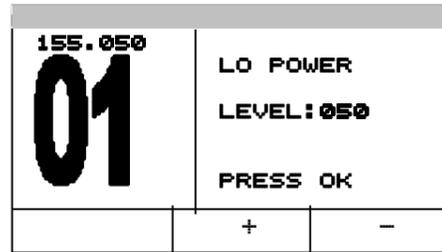
CH70 frequency is set to 156.500MHz at test mode.
 CH70 frequency is 156.525 originally. We changed this frequency setting only for the test because there is possibility to interfere DSC communication at your area when you conduct this test longer time (transmit longer time).
 Receiving frequency is set to 156.525.

One of Japanese code less phone influenced DSC frequency recently in Japan and the unit is recalled. Therefore, we arranged as above for safety sake.

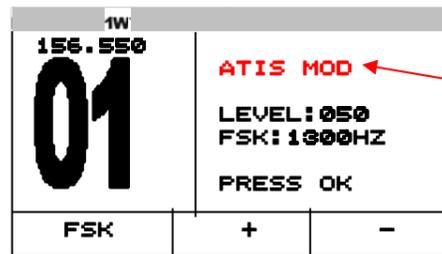
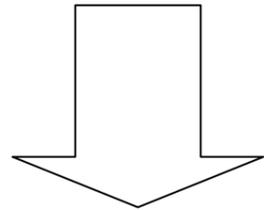
But, DSC Tx frequency is set to correct frequency (156.525MHz) for actual DSC transmission.

2 Testing of FSK modulation of ATIS.

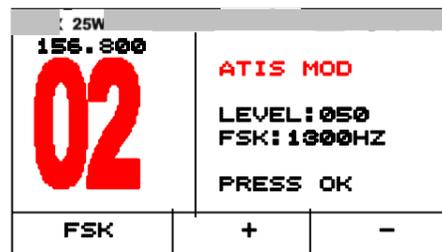
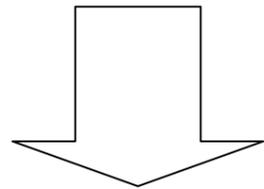
2.1 Set the EUT to ATIS Modulation Test Mode.



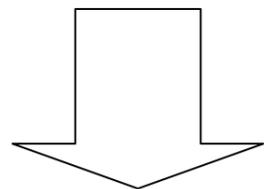
Initial screen image of Test Mode.



Press "MENU" key to set the Test Mode to ATIS MOD.
**SHOULD BE "ATIS MOD"!!
Please confirm.**



Press "+" or "-" soft key to change the channel to CH01, CH02 or CH03.
Frequency of the Test Mode Channels are as follow.
CH01 : 156.050MHz
CH02 : 156.800MHz
CH03 : 157.425MHz



continue to the next page



2.2 Testing Y-state / 1300Hz modulation

TX 25W 156.800		
02		
ATIS MOD		
LEVEL: 050		
FSK: 1300HZ		
PRESS OK		
FSK	+	-

2. Press PTT then Y-State / 1300HZ Signal will be transmitted.
Transmit Power will be 25W.

2.3 Testing B-state / 2100Hz modulation

TX 25W 156.800		
02		
ATIS MOD		
LEVEL: 050		
FSK: 2100HZ		
PRESS OK		
FSK	+	-

1. Press "FSK" softkey to change FSK signal to the B-state.
2. Press PTT then B-State / 2100HZ Signal will be transmitted.
Transmit Power will be 25W.

2.4 Testing continuous Y-state and B-state.

TX 25W 156.800		
02		
ATIS MOD		
LEVEL: 050		
FSK: CONTINU		
PRESS OK		
FSK	+	-

1. Press "FSK" softkey to change FSK signal to continuous mode.
2. Press PTT then continuous signal will be transmitted.
Transmit Power will be 25W.

2.5 Testing ATIS transmission.

TX 25W 156.800		
02		
ATIS MOD		
LEVEL: 050		
FSK: ATIS TX		
PRESS OK		
FSK	+	-

1. Press "FSK" softkey to change FSK signal to ATIS TX mode.
2. Press PTT then Y-State signal will be transmitted for 10 seconds.
Transmit Power will be 25W.

