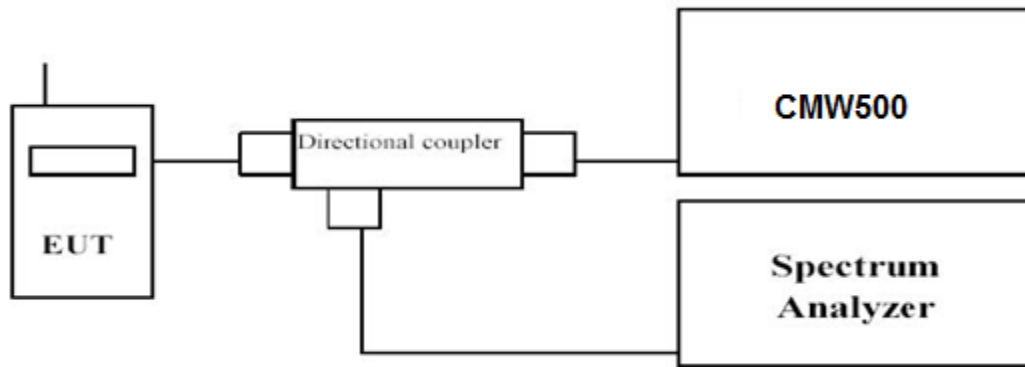


## 4.7 Peak-to-Average Ratio (PAR)

### LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

### TEST CONFIGURATION



### TEST PROCEDURE

Use spectrum to measure the total peak power and record as  $P_{Pk}$ . Use spectrum to measure the total average power and record as  $P_{Avg}$ . Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm).

Determine the PAPR from:

$$PAPR \text{ (dB)} = P_{Pk} \text{ (dBm)} - P_{Avg} \text{ (dBm)}.$$

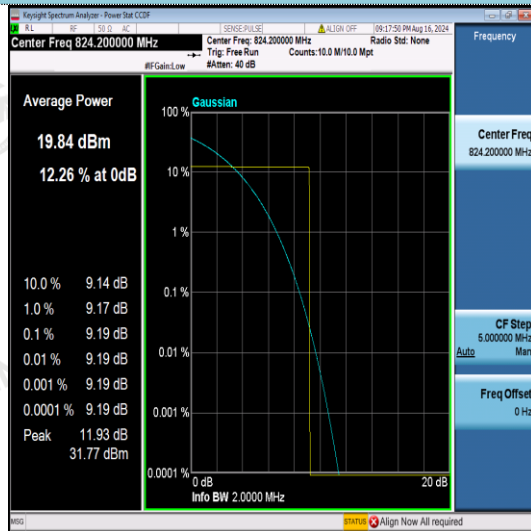
### TEST RESULTS

	<b>GSM 850</b>	<b>GPRS 850</b>
<b>Frequency (MHz)</b>	Measured (dB)	Measured (dB)
824.20	9.19	9.67
836.60	9.36	9.53
848.80	9.39	9.44

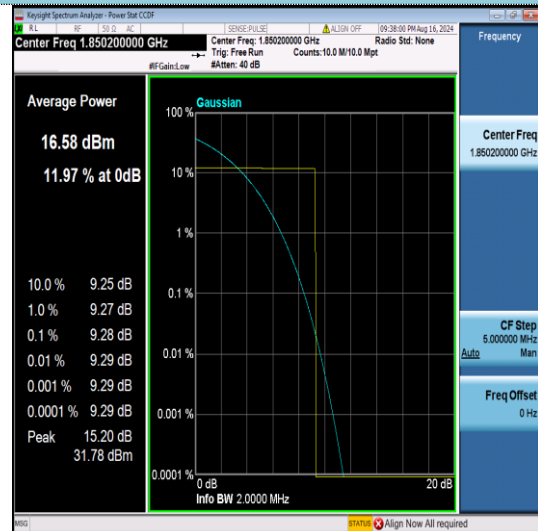
  

	<b>GSM 1900</b>	<b>GPRS 1900</b>
<b>Frequency (MHz)</b>	Measured (dB)	Measured (dB)
1850.20	9.28	9.60
1880.00	9.51	9.43
1909.80	9.32	9.81

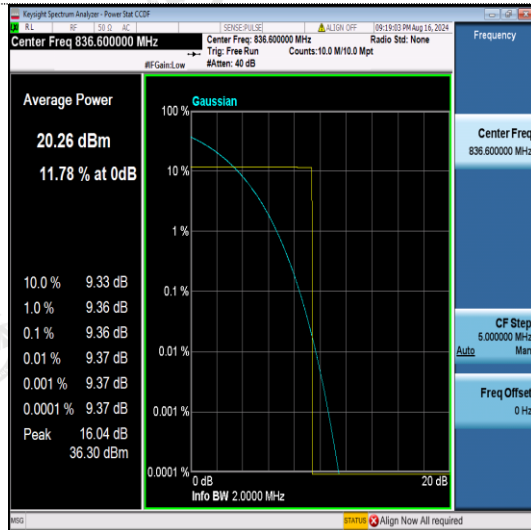
## GSM 850



## GSM 1900



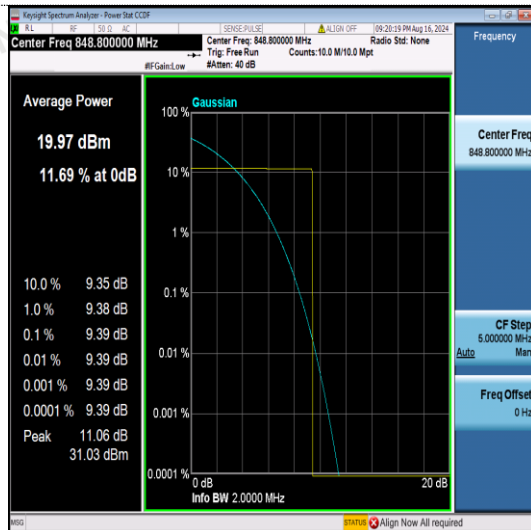
## Channel 128



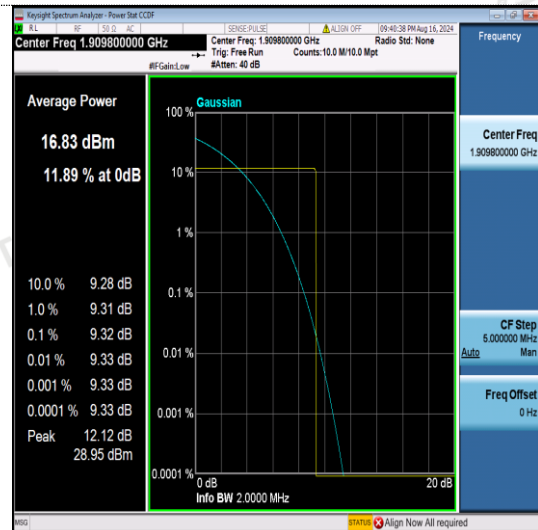
## Channel 512



## Channel 190



## Channel 661



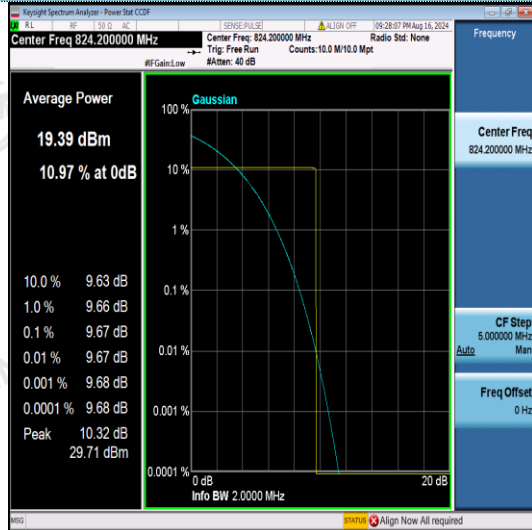
## Channel 251



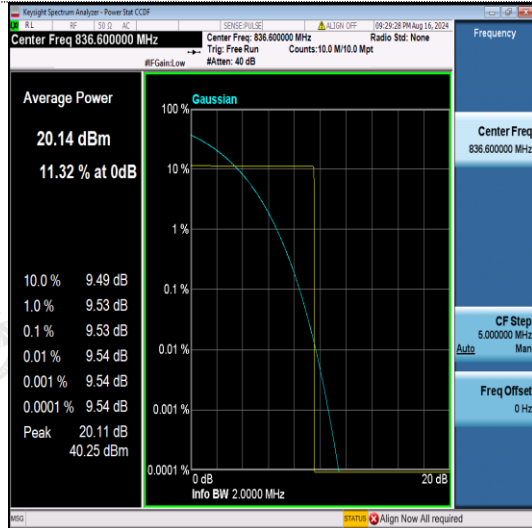
## Channel 810



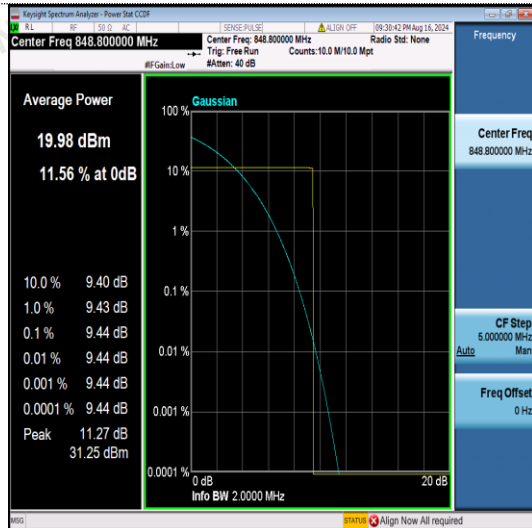
## GPRS 850



## Channel 128

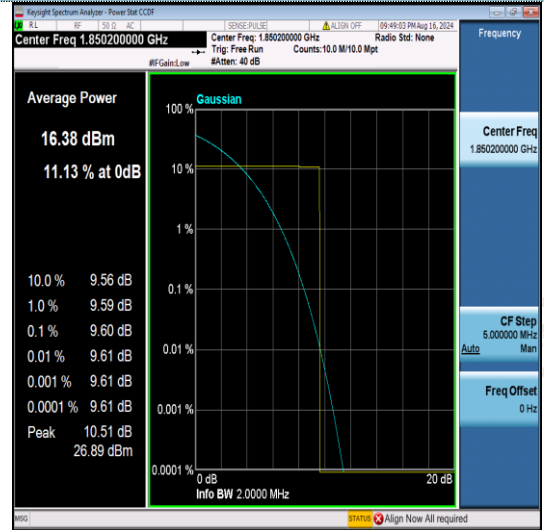


## Channel 190

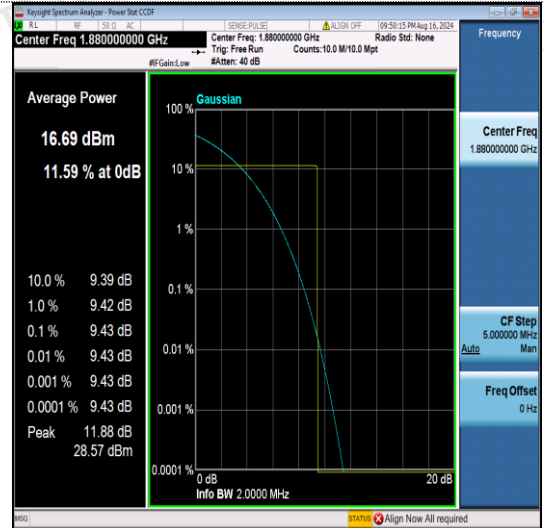


## Channel 251

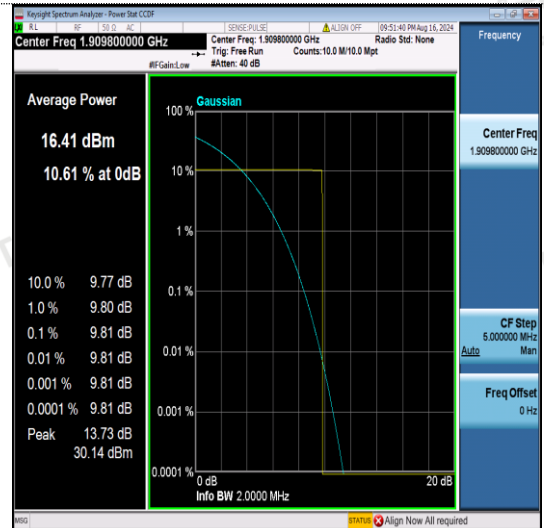
## GPRS 1900



## Channel 512

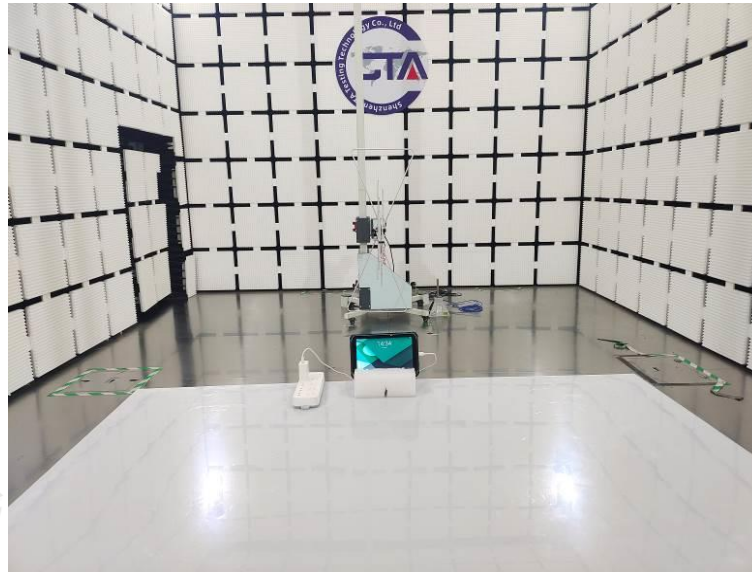


## Channel 661



## Channel 810

## **5 Test Setup Photos of the EUT**



## **6 External and Internal Photos of the EUT**

Reference to the test report No. CTA24080801601.

.....End of Report.....