



UMTS/TM1/WCDMA Band IV					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	-9	-0.005	±2.50	PASS
VN	25	-5	-0.003	±2.50	PASS
VH	25	7	0.004	±2.50	PASS
VN	-30	12	0.007	±2.50	PASS
VN	-20	-8	-0.005	±2.50	PASS
VN	-10	-8	-0.005	±2.50	PASS
VN	0	8	0.005	±2.50	PASS
VN	10	13	0.007	±2.50	PASS
VN	20	18	0.010	±2.50	PASS
VN	30	2	0.001	±2.50	PASS
VN	40	-15	-0.009	±2.50	PASS
VN	50	-12	-0.007	±2.50	PASS



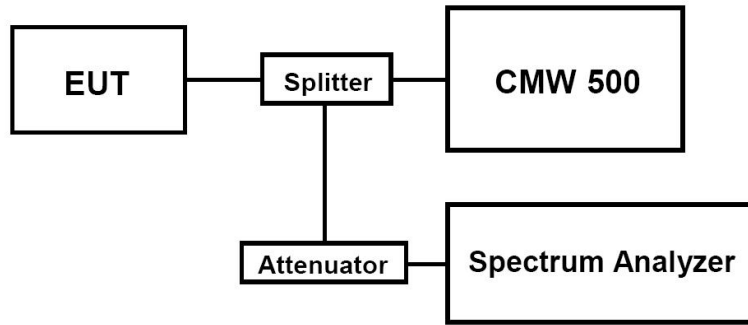


4.7 Peak-to-Average Ratio (PAR)

LIMIT

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

TEST CONFIGURATION



TEST PROCEDURE

1. Refer to instrument’s analyzer instruction manual for details on how to use the power statistics/CCDF function;
2. Set resolution/measurement bandwidth \geq signal’s occupied bandwidth;
3. Set the number of counts to a value that stabilizes the measured CCDF curve;
4. Set the measurement interval as follows:
 - 1). for continuous transmissions, set to 1 ms,
 - 2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
5. Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Test Mode	Channel	Frequency (MHz)	PAPR Value (dB)	Limits (dB)	Verdict
UMTS/TM1/ WCDMA Band II	9262	1852.4	3.21	13.0	PASS
	9400	1880.0	3.22	13.0	PASS
	9538	1907.6	3.28	13.0	PASS
UMTS/TM1/ WCDMA Band V	4132	826.4	2.68	13.0	PASS
	4182	836.4	2.93	13.0	PASS
	4233	846.6	2.98	13.0	PASS
UMTS/TM1/ WCDMA Band IV	1312	1712.4	3.12	13.0	PASS
	1413	1732.6	3.23	13.0	PASS
	1513	1752.6	3.03	13.0	PASS

Remark:

1. Test results including cable loss;
2. Please refer to following plots;

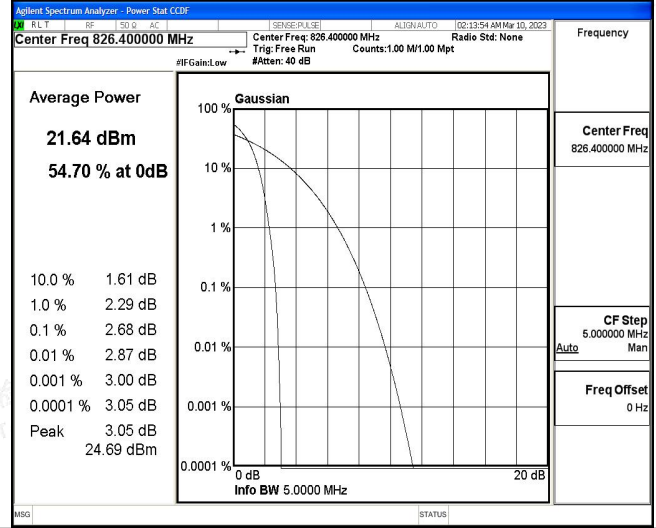
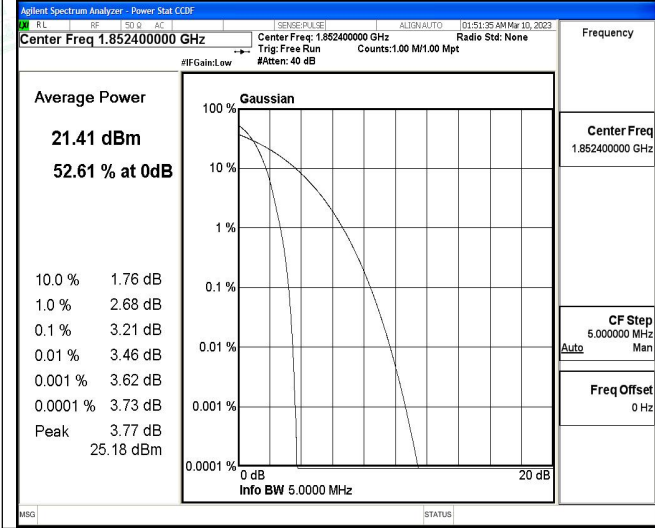




Peak-to-Average Ratio (PAR)

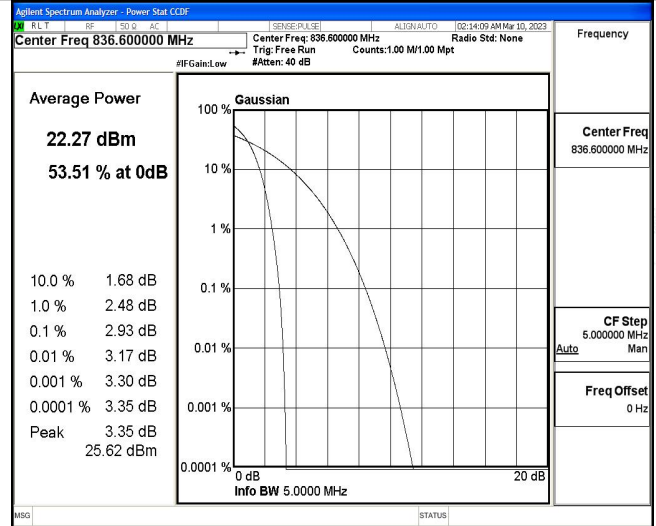
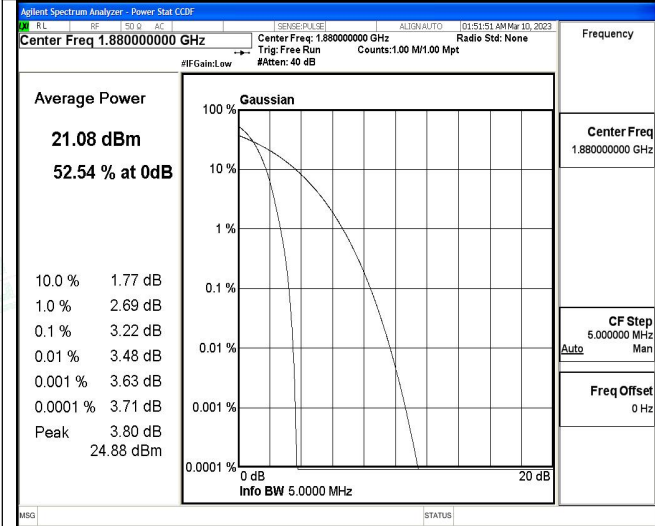
UMTS/TM1/ WCDMA Band II

UMTS/TM1/ WCDMA Band V



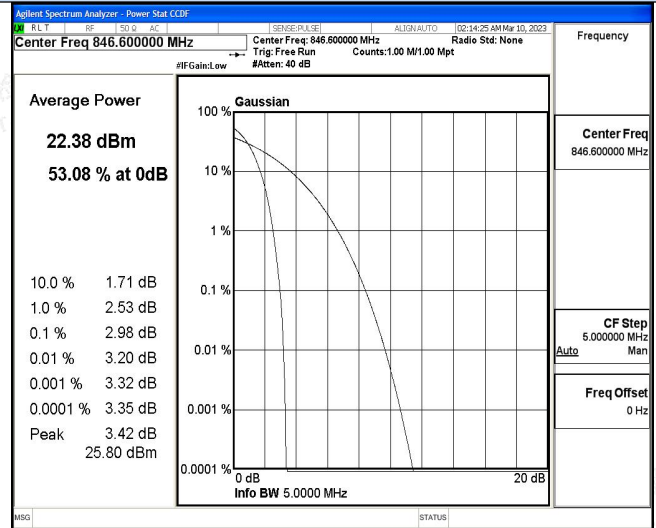
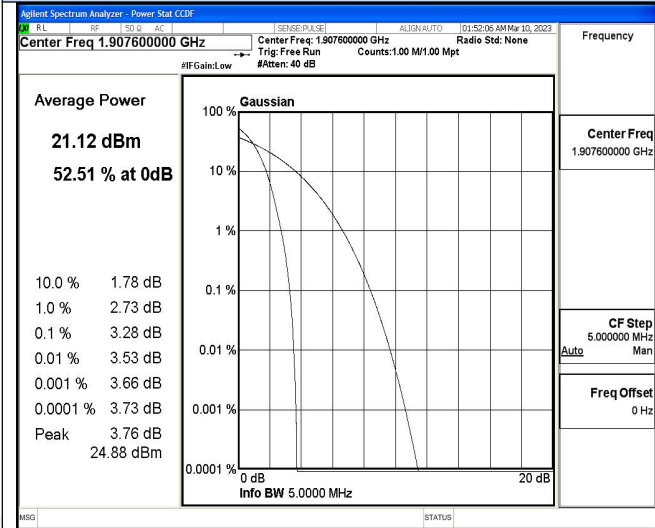
Channel 9262 / 1852.4 MHz

Channel 4132/ 826.4 MHz



Channel 9400 / 1880.0 MHz

Channel 4182/ 836.4 MHz



Channel 9538 / 1907.6 MHz

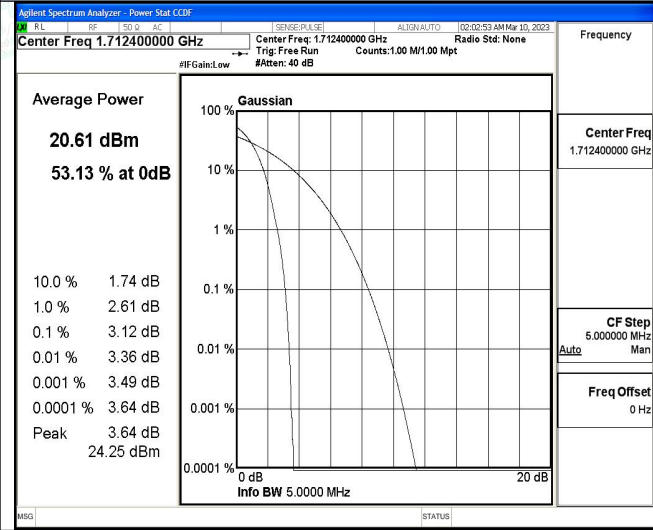
Channel 4233/ 846.6 MHz



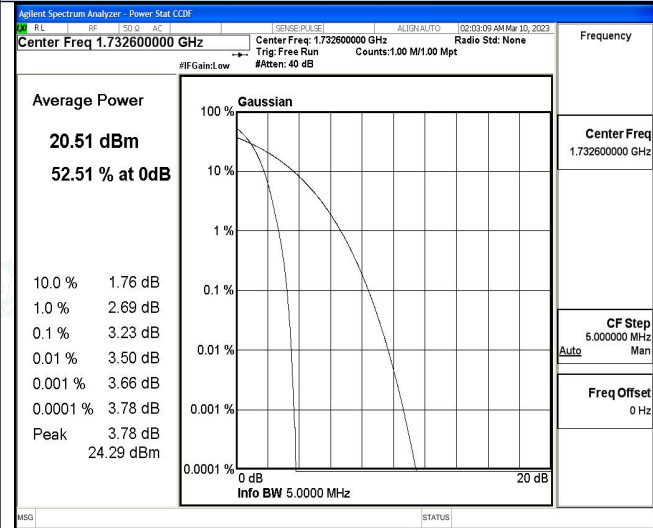


Peak-to-Average Ratio (PAR)

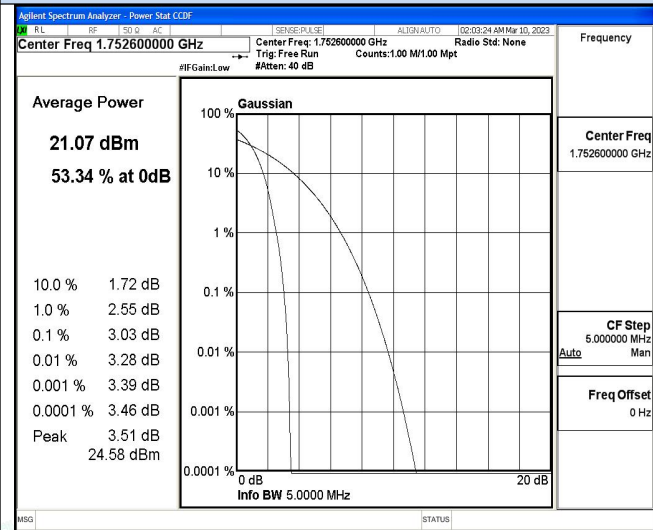
UMTS/TM1/ WCDMA Band IV



Channel 1312 / 1712.4 MHz



Channel 1413 / 1732.6 MHz



Channel 1513 / 1752.6 MHz





5 Test Setup Photos of the EUT

Please refer to separated files for Test Setup Photos of the EUT.

6 External Photos of the EUT

Please refer to separated files for External Photos of the EUT.

7 Internal Photos of the EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT-----

