

WCDMA Test Data

General Description of EUT	
Product Name:	Acerone Liquid S272E4
Test Model:	Acerone Liquid S272E4
Sample ID:	HC-C-202410-0214-01-01#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.87V
Test Engineer:	Zkn Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202410-0214-25 The report only show the worst case data.	

Contents

WCDMA Test Data	1
1: Conducted Output Power Data	3
Test Result(WCDMA)	3
Test Result(HSDPA)	3
Test Result(HSUPA)	4
2: Peak-to-Average Ratio	5
Test Result Test Result(WCDMA)	5
Test Result(HSDPA)	5
Test Result(HSUPA)	6
Test Graphs	7
3: 26dB Bandwidth and Occupied Bandwidth	13
Test Result	13
Test Graphs	15
4: Band Edge	21
Test Result	21
Test Graphs	23
5: Conducted Spurious Emission	28
Test Result	28
Test Graphs	33
6: Frequency Stability	53
Test Result	53

1: Conducted Output Power Data

Test Result(WCDMA)

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	25.19	38.45	PASS
Band5	4182	25.16	38.45	PASS
Band5	4233	25.27	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	24.23	38.5	PASS
Band5	4132	2	23.67	38.5	PASS
Band5	4132	3	23.68	38.5	PASS
Band5	4132	4	23.63	38.5	PASS
Band5	4182	1	24.14	38.5	PASS
Band5	4182	2	23.65	38.5	PASS
Band5	4182	3	23.63	38.5	PASS
Band5	4182	4	23.62	38.5	PASS
Band5	4233	1	24.28	38.5	PASS
Band5	4233	2	23.76	38.5	PASS
Band5	4233	3	23.74	38.5	PASS
Band5	4233	4	23.77	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	22.24	38.5	PASS
Band5	4132	2	22.27	38.5	PASS
Band5	4132	3	23.22	38.5	PASS
Band5	4132	4	21.80	38.5	PASS
Band5	4132	5	23.29	38.5	PASS
Band5	4182	1	22.19	38.5	PASS
Band5	4182	2	22.23	38.5	PASS
Band5	4182	3	23.18	38.5	PASS
Band5	4182	4	21.74	38.5	PASS
Band5	4182	5	23.19	38.5	PASS
Band5	4233	1	22.31	38.5	PASS
Band5	4233	2	22.34	38.5	PASS
Band5	4233	3	23.27	38.5	PASS
Band5	4233	4	21.86	38.5	PASS
Band5	4233	5	23.22	38.5	PASS

2: Peak-to-Average Ratio

Test Result Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.02	13	PASS
Band5	4182	2.97	13	PASS
Band5	4233	3.01	13	PASS

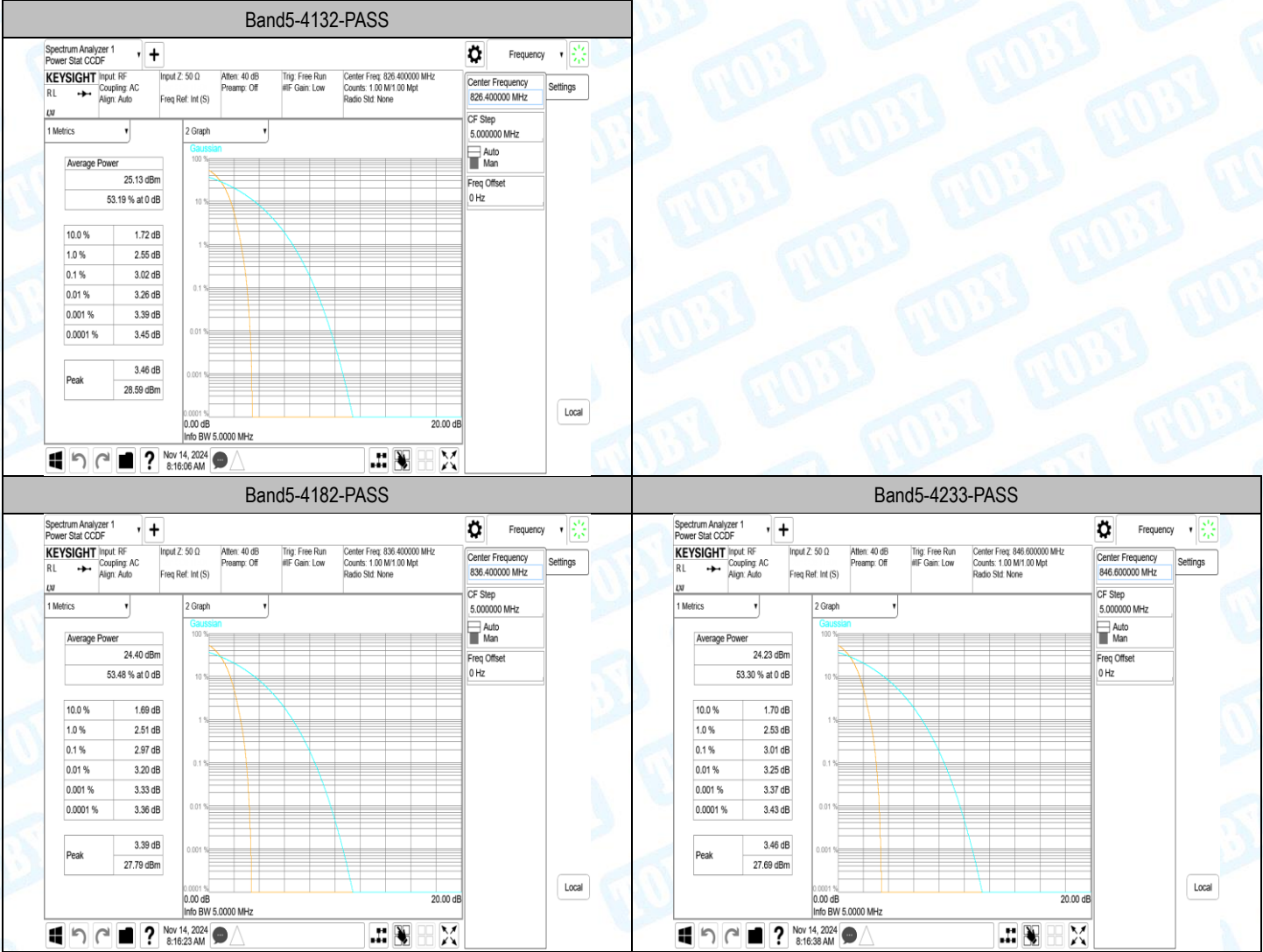
Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.29	13	PASS
Band5	4132	2	3.91	13	PASS
Band5	4132	3	4.11	13	PASS
Band5	4132	4	4.16	13	PASS
Band5	4182	1	3.14	13	PASS
Band5	4182	2	3.69	13	PASS
Band5	4182	3	3.89	13	PASS
Band5	4182	4	3.93	13	PASS
Band5	4233	1	3.14	13	PASS
Band5	4233	2	3.72	13	PASS
Band5	4233	3	3.92	13	PASS
Band5	4233	4	3.96	13	PASS

Test Result(HSUPA)

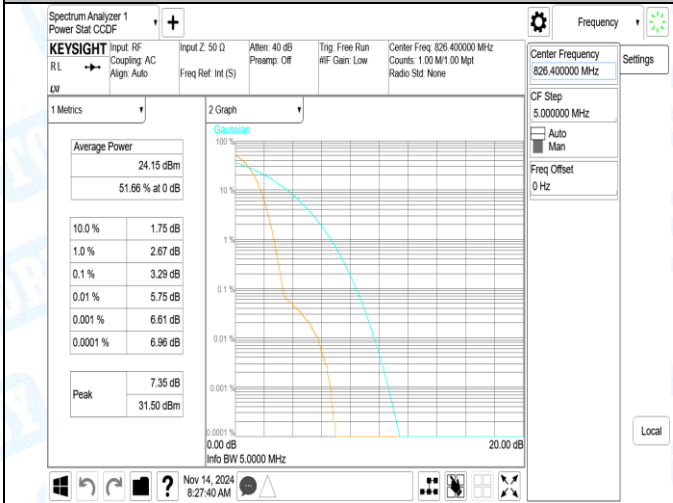
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	4.6	13	PASS
Band5	4132	2	5.78	13	PASS
Band5	4132	3	5.24	13	PASS
Band5	4132	4	5.51	13	PASS
Band5	4132	5	4.29	13	PASS
Band5	4182	1	4.52	13	PASS
Band5	4182	2	5.67	13	PASS
Band5	4182	3	5.15	13	PASS
Band5	4182	4	5.46	13	PASS
Band5	4182	5	4.24	13	PASS
Band5	4233	1	4.53	13	PASS
Band5	4233	2	5.72	13	PASS
Band5	4233	3	5.2	13	PASS
Band5	4233	4	5.53	13	PASS
Band5	4233	5	4.27	13	PASS

Test Graphs

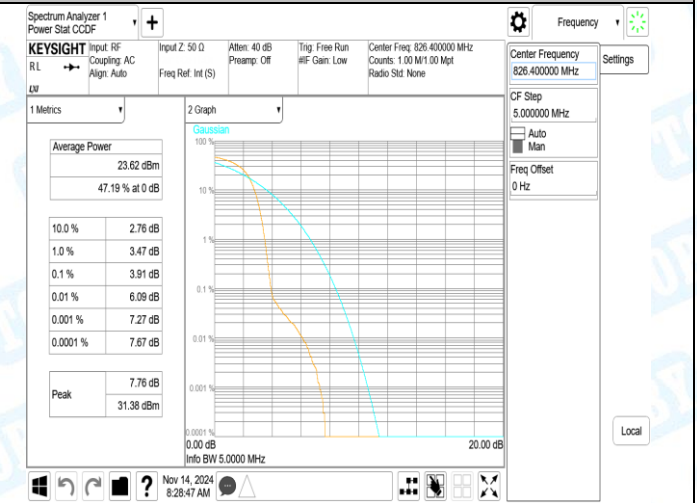


WCDMA_HSDPA

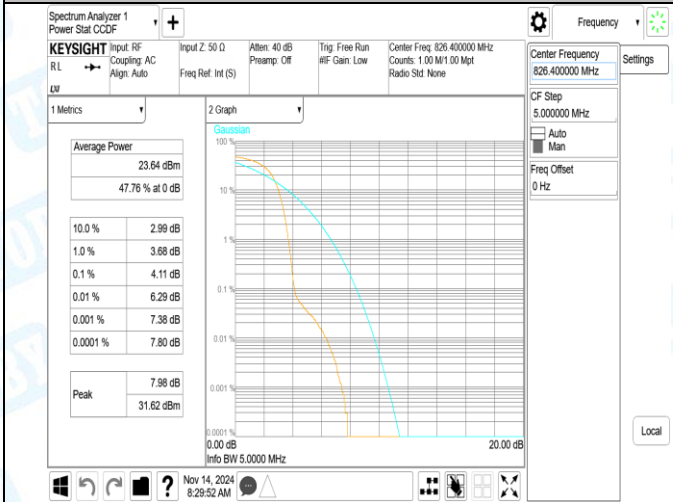
Band5-4132-1-PASS



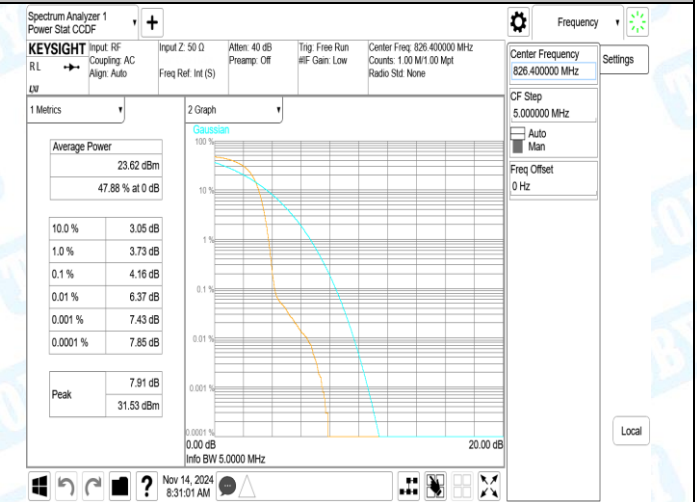
Band5-4132-2-PASS



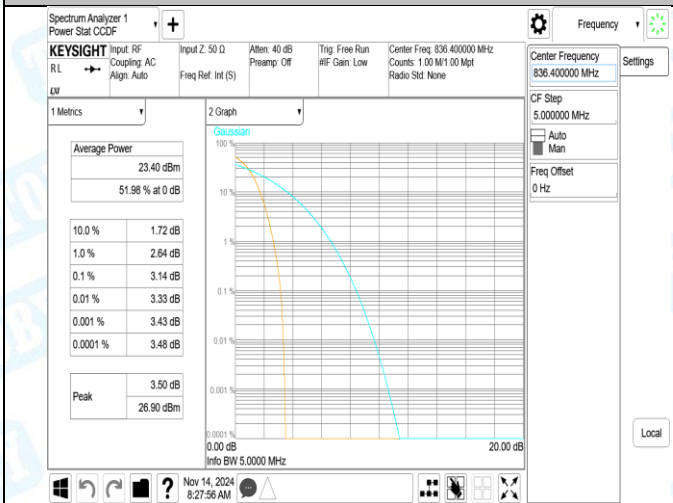
Band5-4132-3-PASS



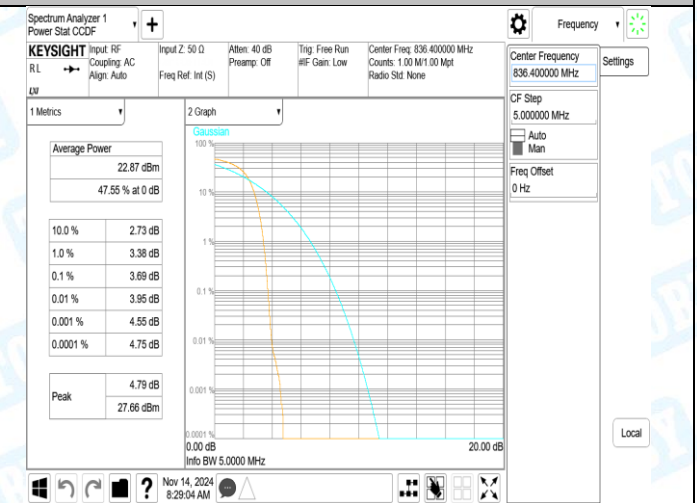
Band5-4132-4-PASS



Band5-4182-1-PASS



Band5-4182-2-PASS

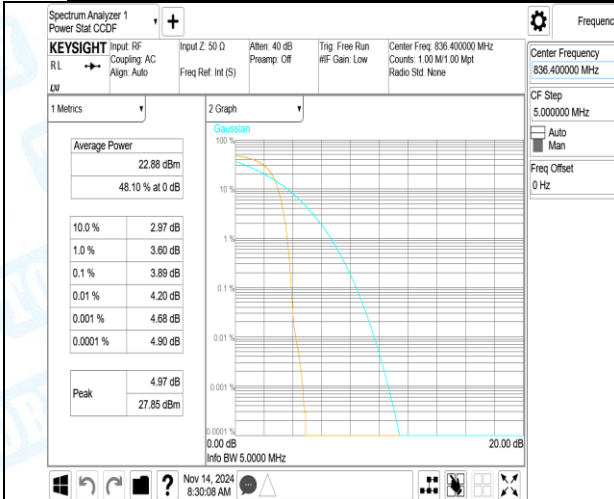


Band5-4182-3-PASS

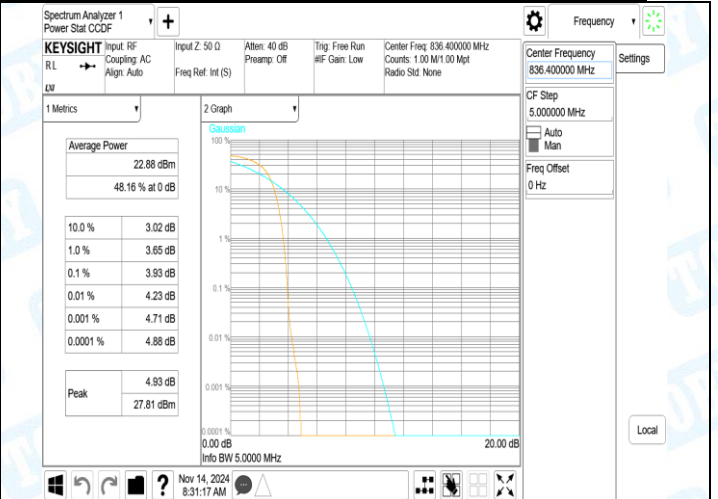


Band5-4182-4-PASS

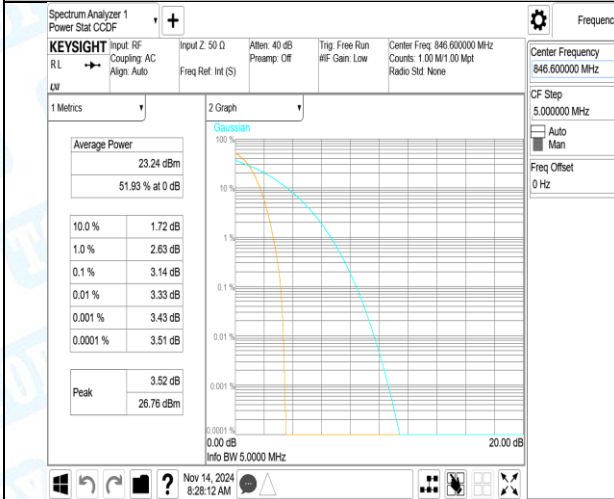




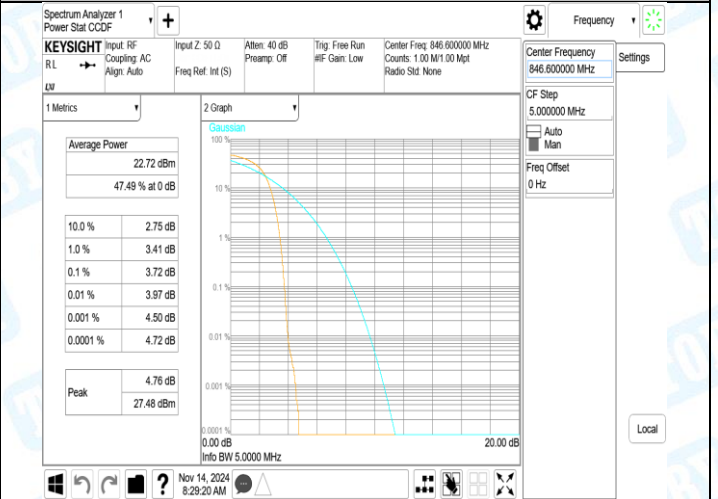
Band5-4233-1-PASS



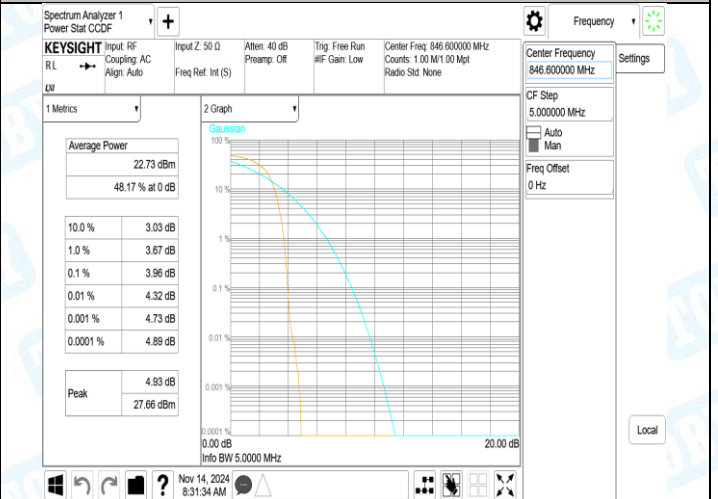
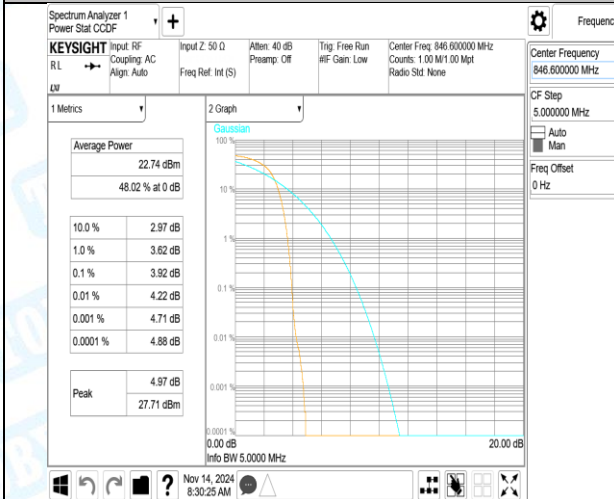
Band5-4233-2-PASS



Band5-4233-3-PASS

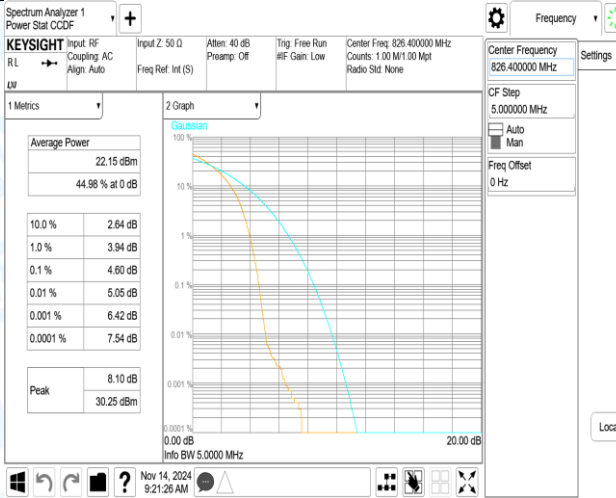


Band5-4233-4-PASS

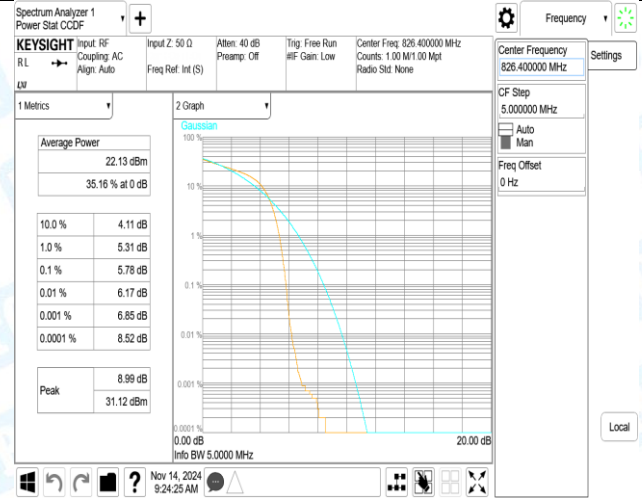


WCDMA_HSUPA

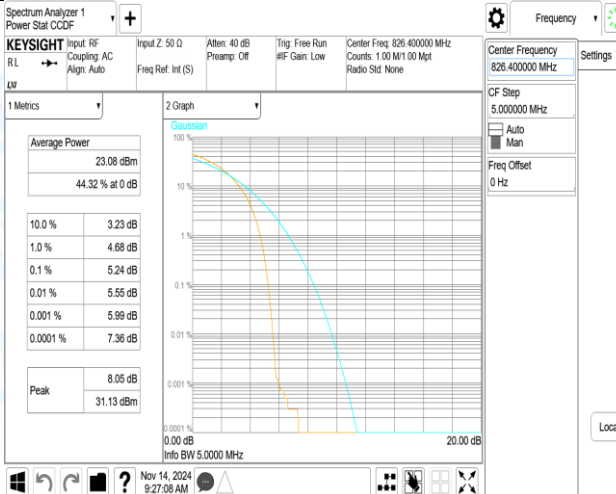
Band5-4132-1-PASS



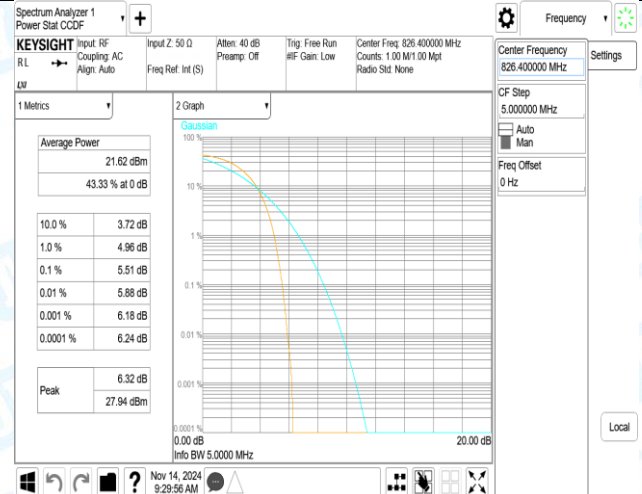
Band5-4132-2-PASS



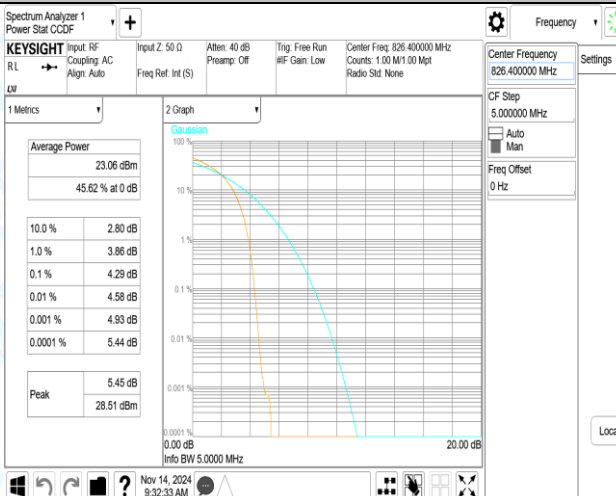
Band5-4132-3-PASS



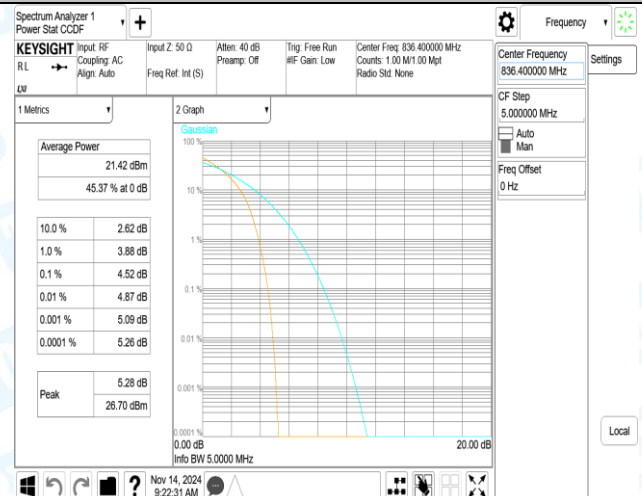
Band5-4132-4-PASS



Band5-4132-5-PASS

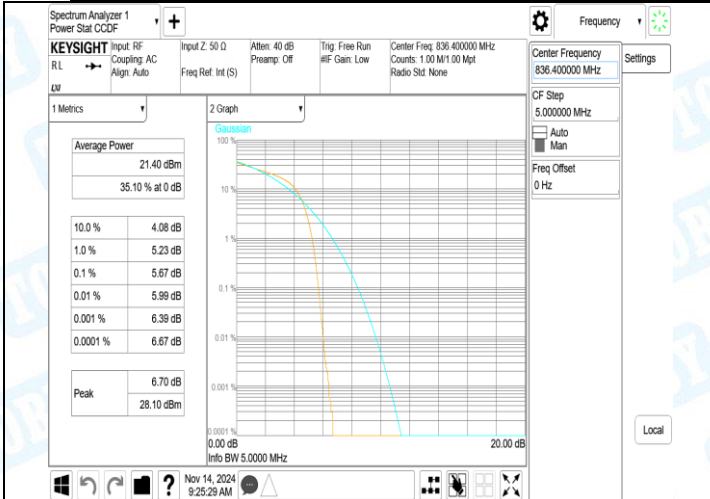


Band5-4182-1-PASS

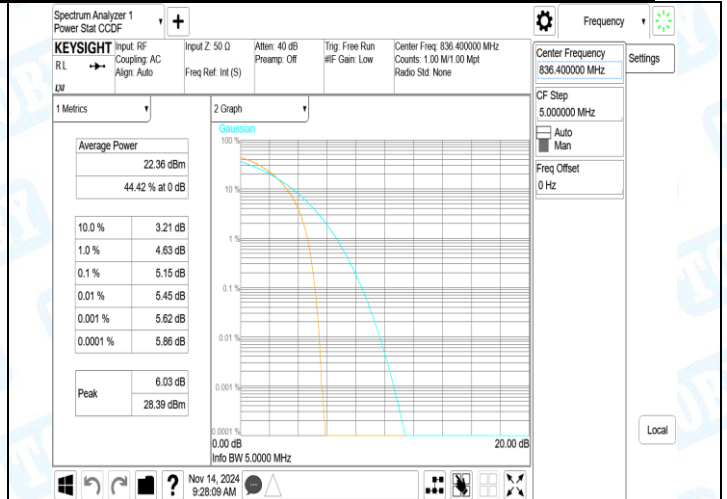


Band5-4182-2-PASS

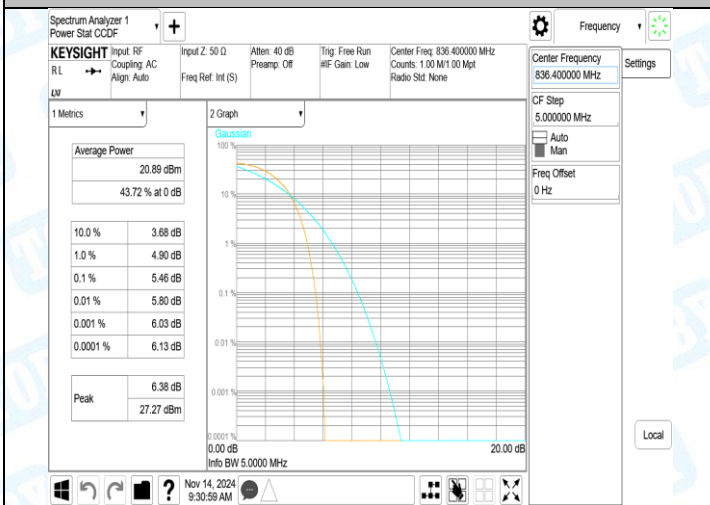
Band5-4182-3-PASS



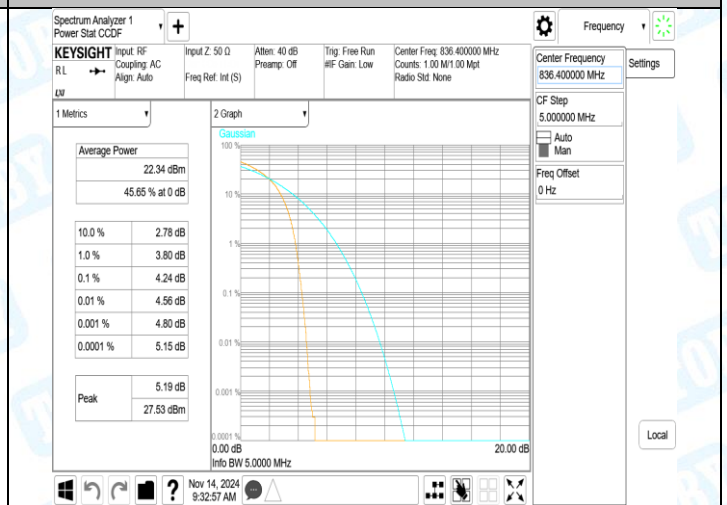
Band5-4182-4-PASS



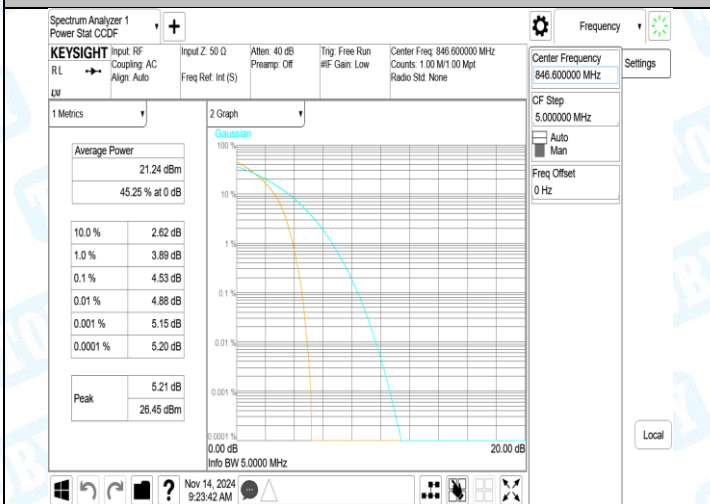
Band5-4182-5-PASS



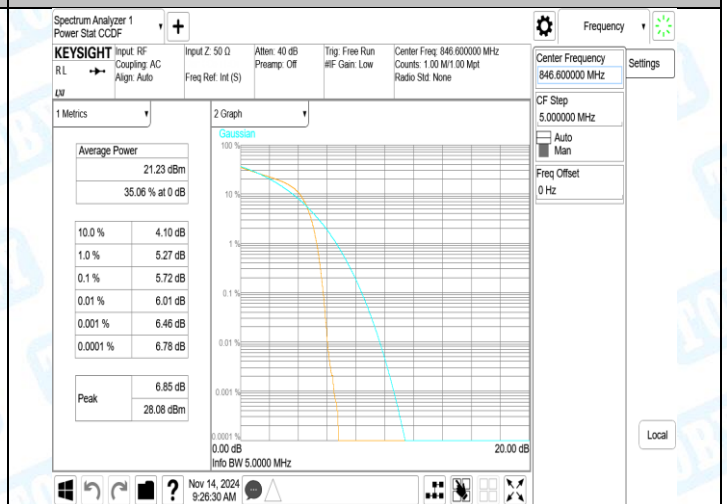
Band5-4233-1-PASS



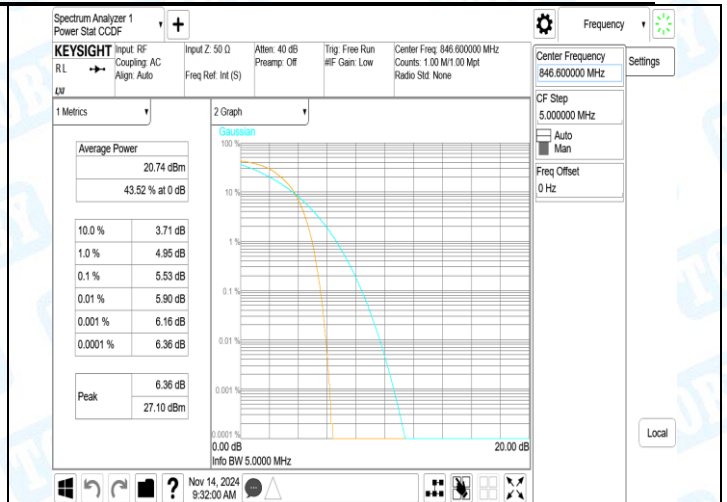
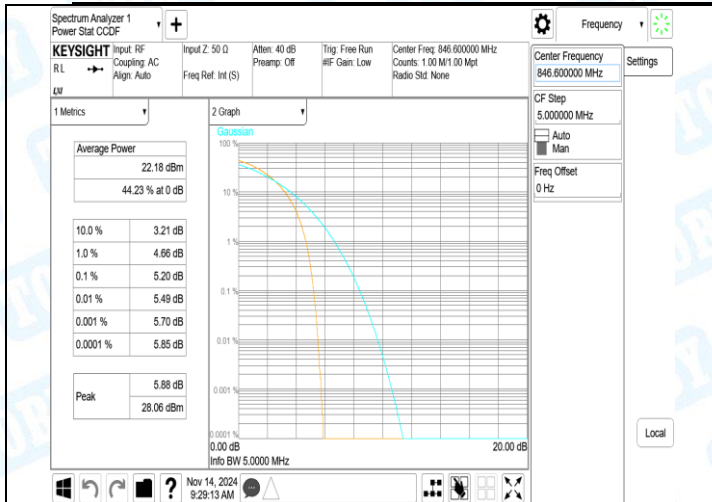
Band5-4233-2-PASS



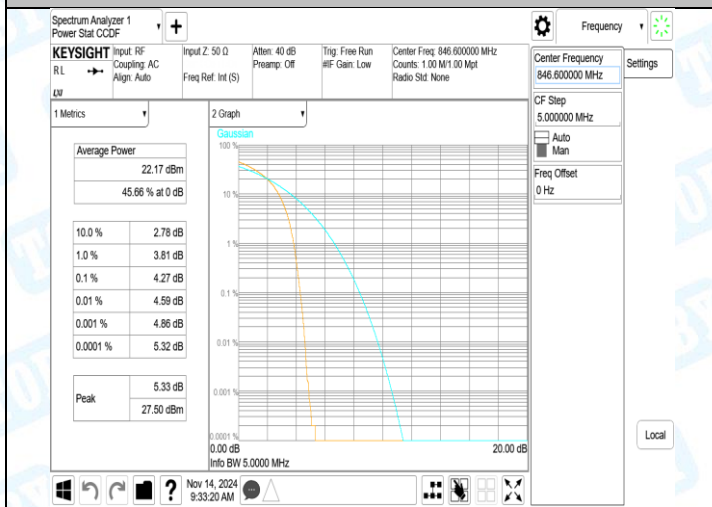
Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS



3: 26dB Bandwidth and Occupied Bandwidth

Test Result

WCDMA					
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band5	4132	4.1718	4.702	---	PASS
Band5	4182	4.1534	4.699	---	PASS
Band5	4233	4.1641	4.700	---	PASS

WCDMA_HSDPA						
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band5	4132	1	4.1722	4.704	---	PASS
Band5	4132	2	4.1864	4.716	---	PASS
Band5	4132	3	4.1918	4.819	---	PASS
Band5	4132	4	4.1988	5.136	---	PASS
Band5	4182	1	4.1657	4.697	---	PASS
Band5	4182	2	4.1684	4.710	---	PASS
Band5	4182	3	4.1644	4.717	---	PASS
Band5	4182	4	4.1718	4.711	---	PASS
Band5	4233	1	4.1723	4.710	---	PASS
Band5	4233	2	4.1707	4.707	---	PASS
Band5	4233	3	4.1804	4.715	---	PASS
Band5	4233	4	4.1747	4.713	---	PASS

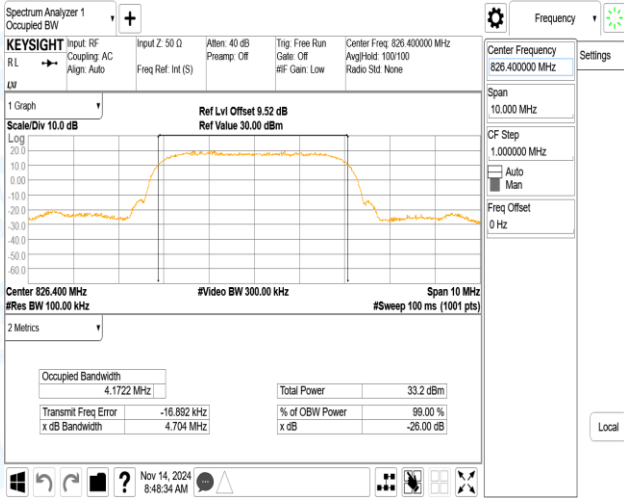
WCDMA_HSUPA						
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	1	4.1888	4.715	---	PASS
Band5	4132	2	4.2379	5.698	---	PASS
Band5	4132	3	4.2223	5.433	---	PASS
Band5	4132	4	4.2052	4.720	---	PASS
Band5	4132	5	4.1853	4.886	---	PASS
Band5	4182	1	4.1904	4.710	---	PASS
Band5	4182	2	4.1918	4.717	---	PASS
Band5	4182	3	4.1906	4.725	---	PASS
Band5	4182	4	4.1892	4.728	---	PASS
Band5	4182	5	4.1623	4.710	---	PASS
Band5	4233	1	4.2038	5.052	---	PASS
Band5	4233	2	4.1976	4.712	---	PASS
Band5	4233	3	4.1946	4.711	---	PASS
Band5	4233	4	4.1964	4.727	---	PASS
Band5	4233	5	4.1792	4.710	---	PASS

Test Graphs

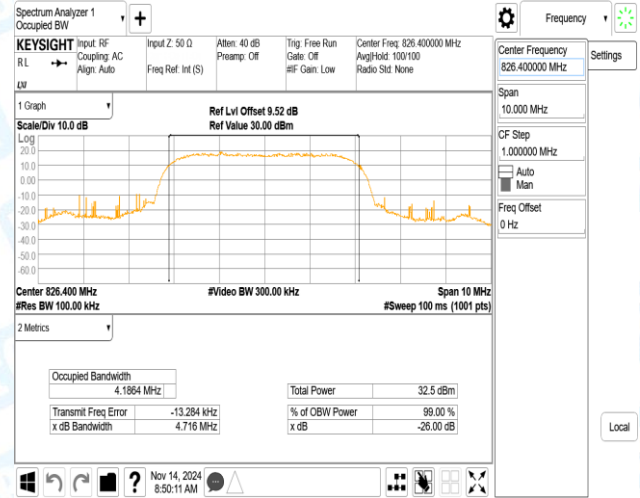


WCDMA_HSDPA

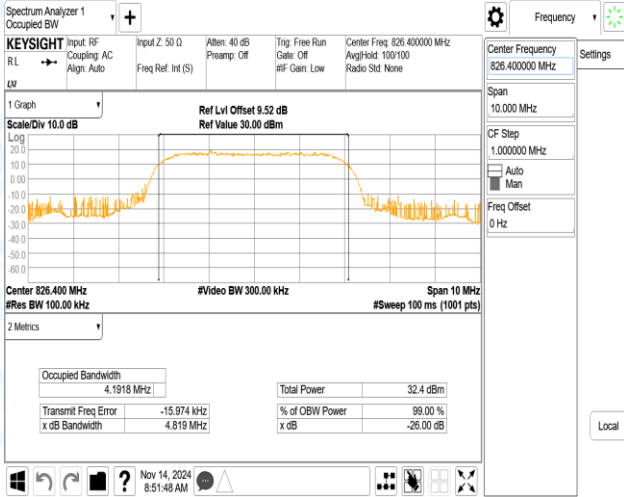
Band5-4132-1-PASS



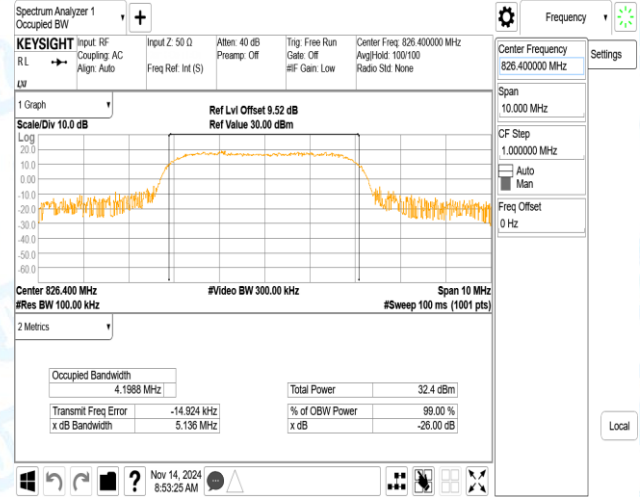
Band5-4132-2-PASS



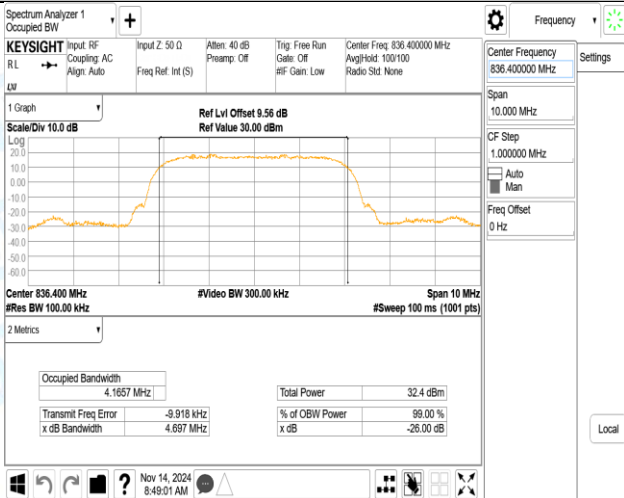
Band5-4132-3-PASS



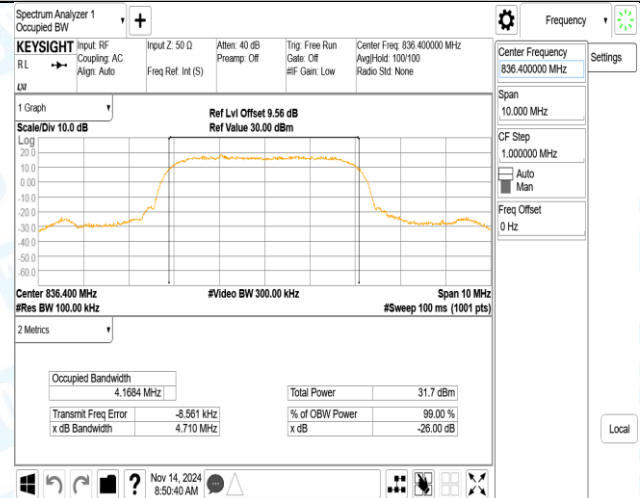
Band5-4132-4-PASS



Band5-4182-1-PASS

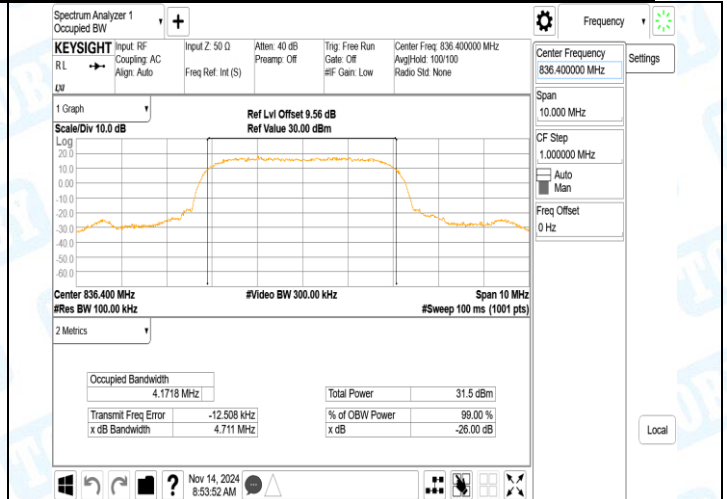
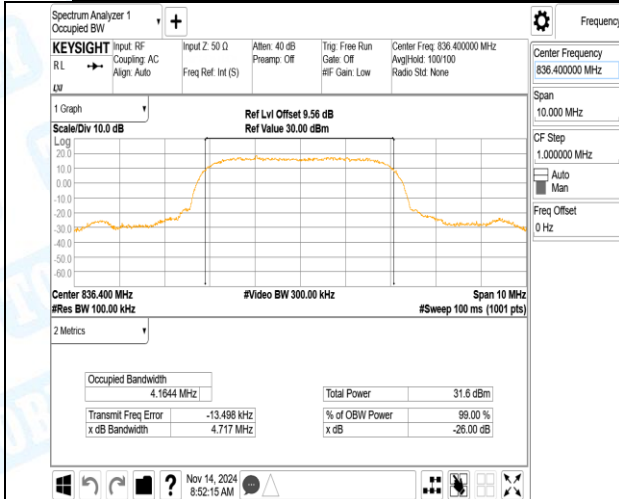


Band5-4182-2-PASS

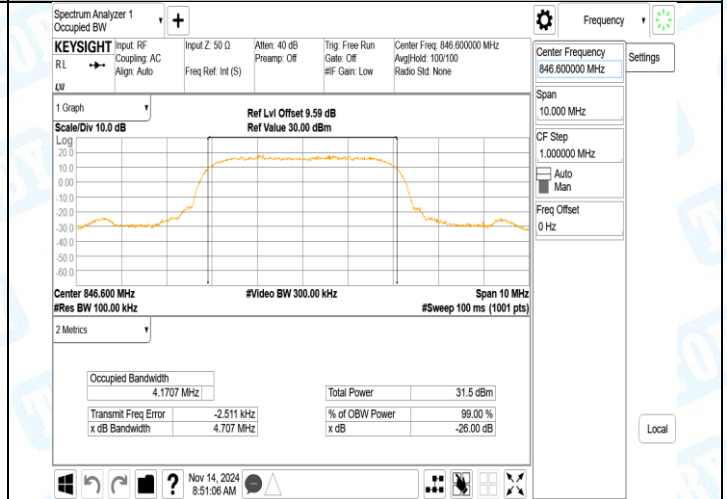
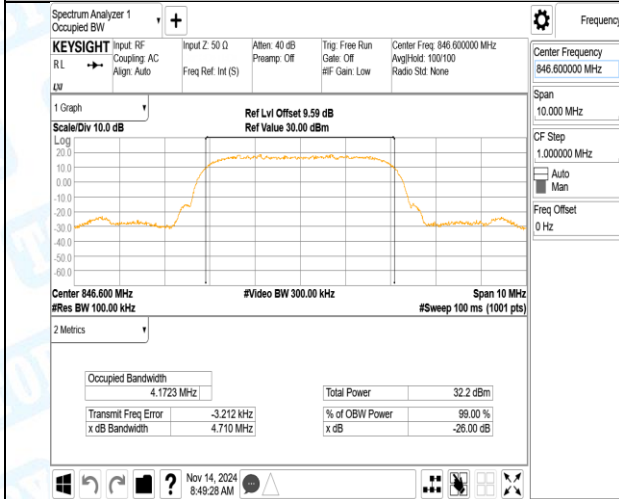


Band5-4182-3-PASS

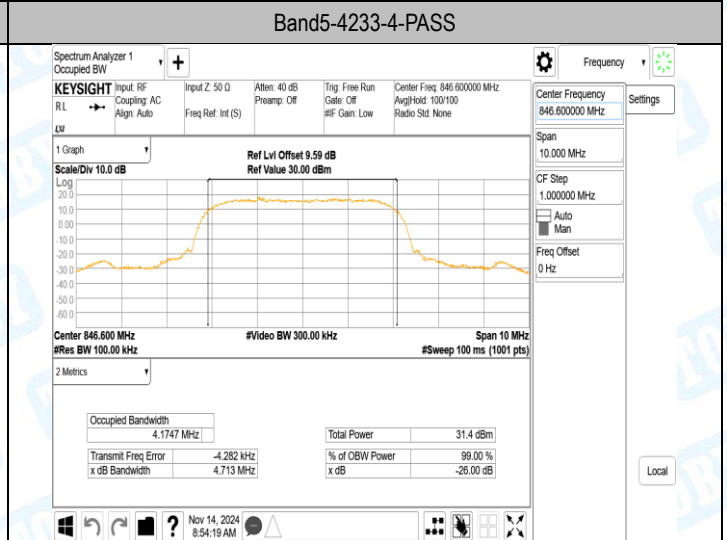
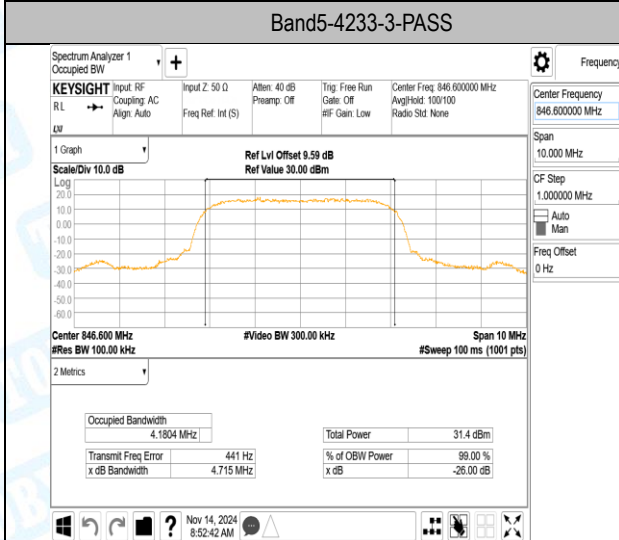
Band5-4182-4-PASS



Band5-4233-1-PASS



Band5-4233-2-PASS

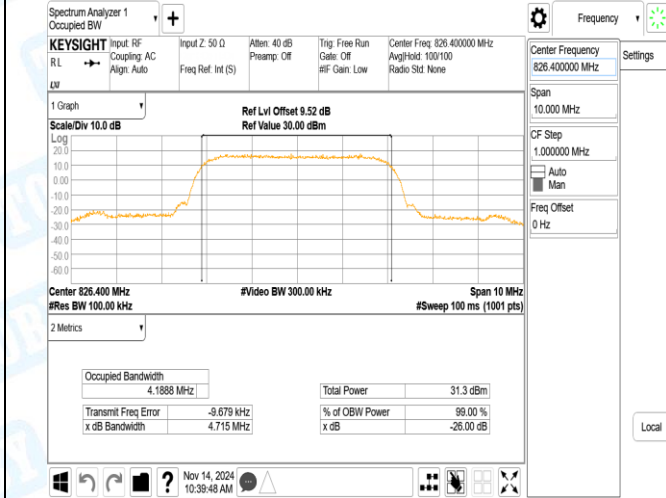


Band5-4233-3-PASS

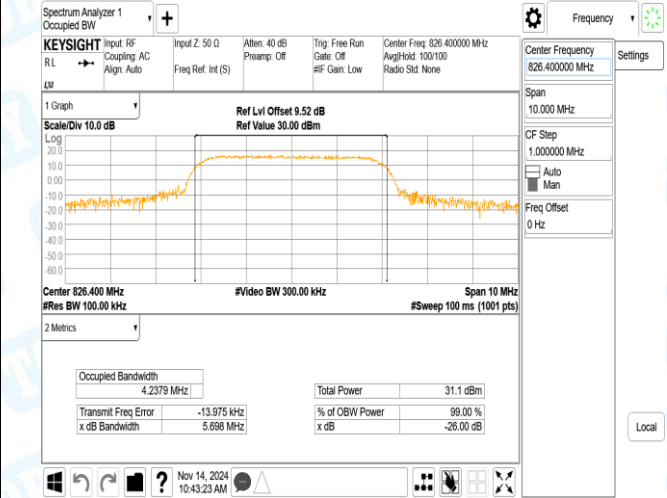
Band5-4233-4-PASS

WCDMA_HSUPA

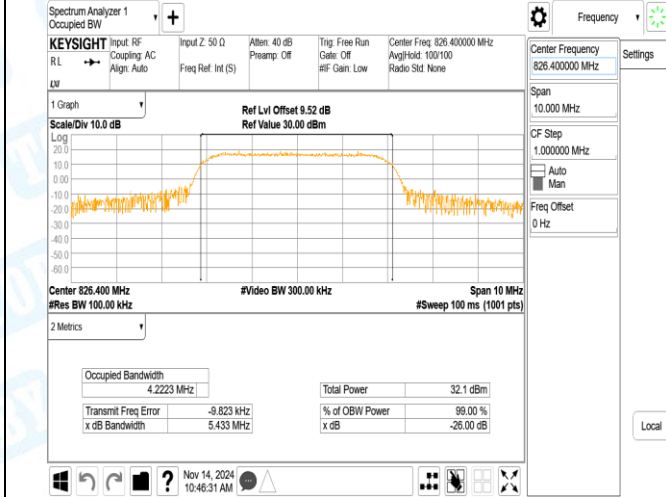
Band5-4132-1-PASS



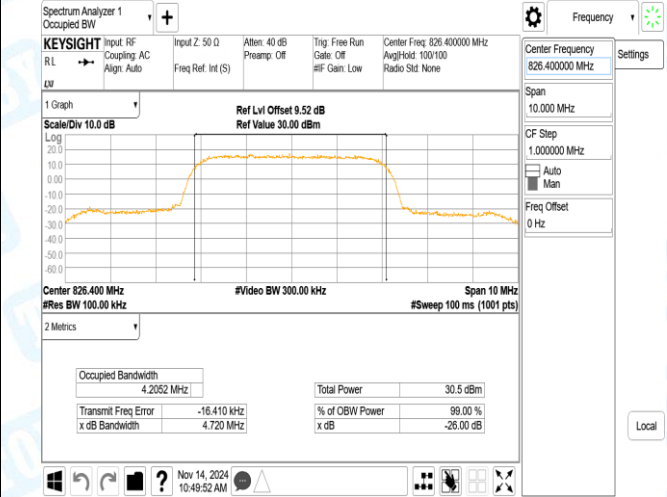
Band5-4132-2-PASS



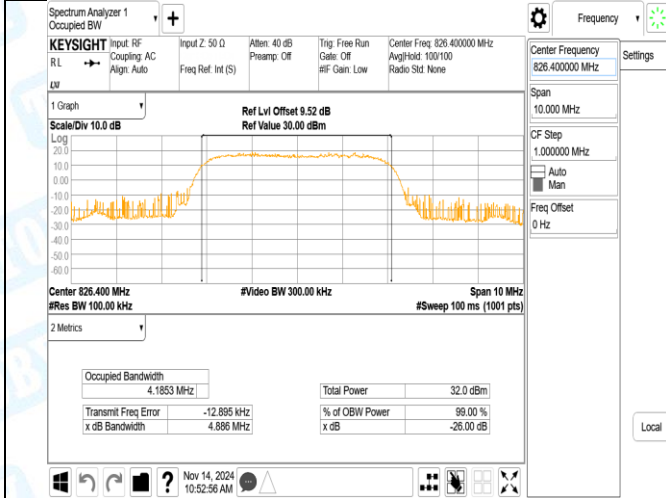
Band5-4132-3-PASS



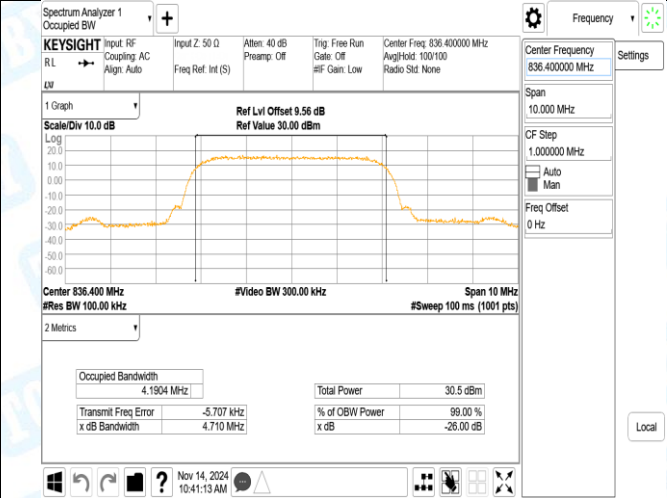
Band5-4132-4-PASS



Band5-4132-5-PASS

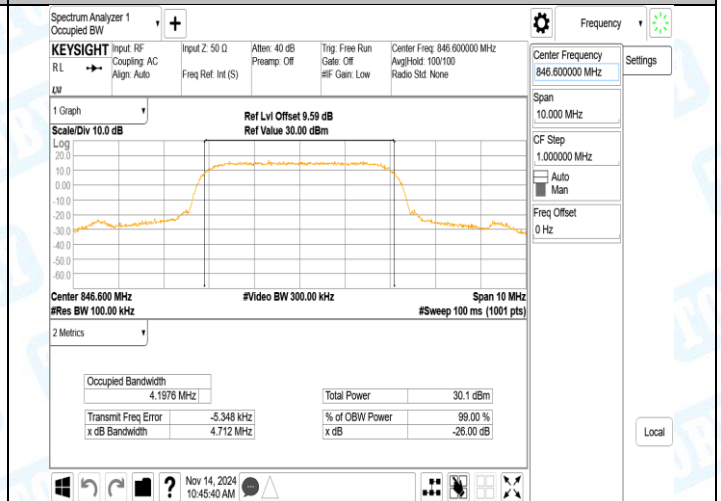
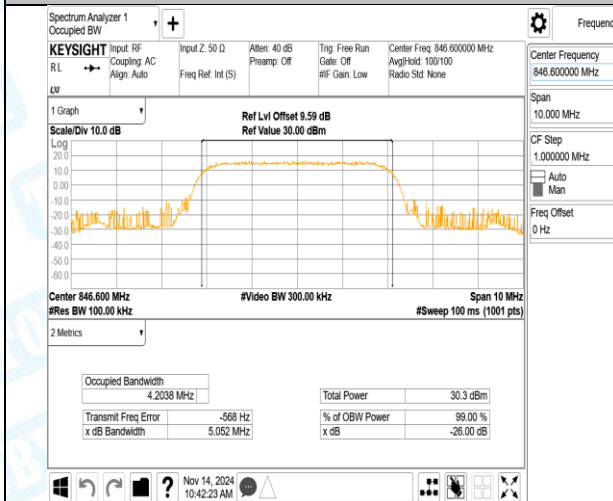
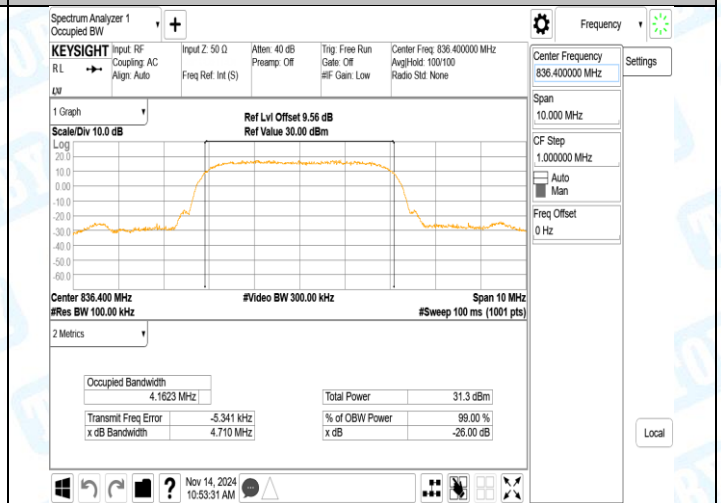
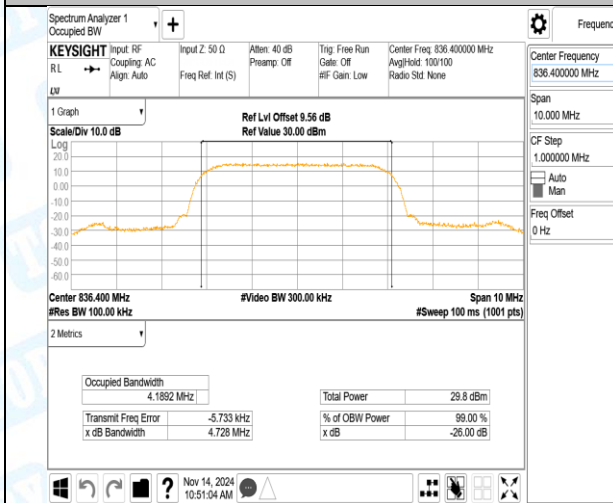
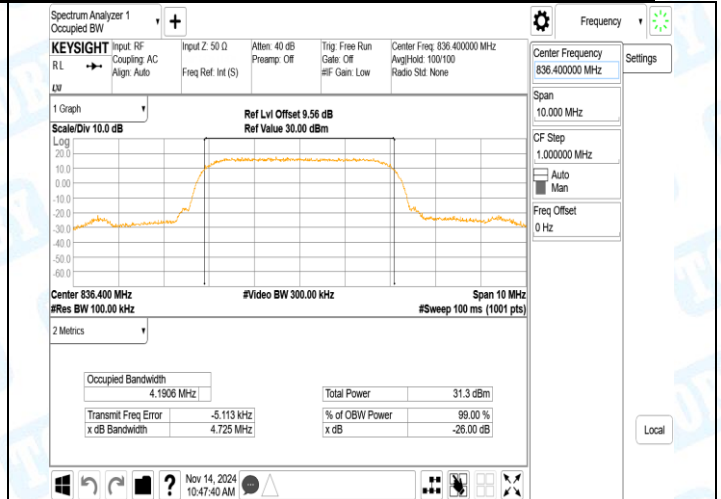
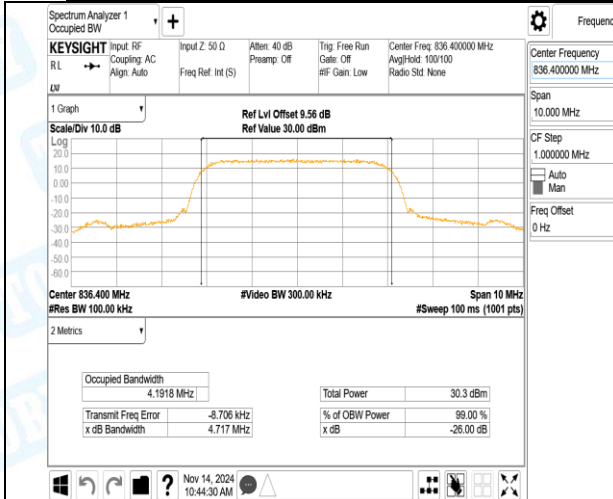


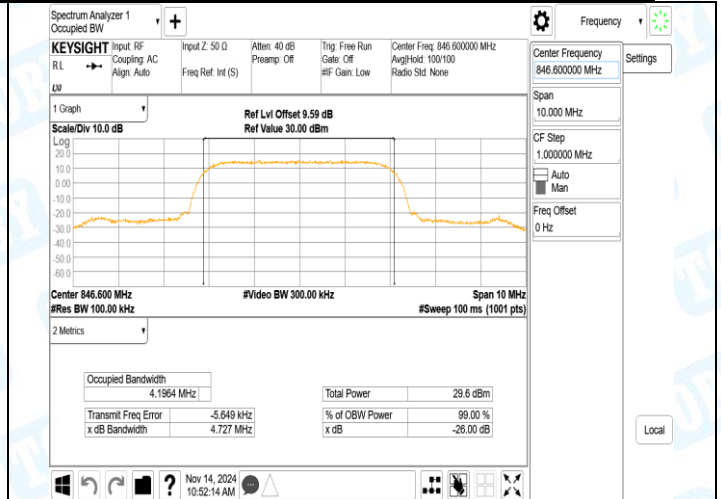
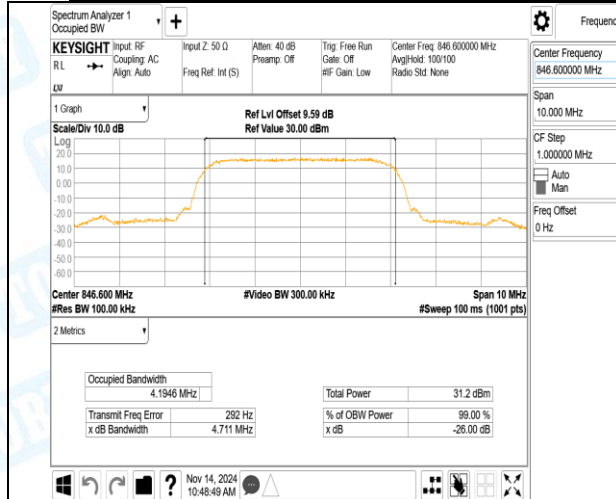
Band5-4182-1-PASS



Band5-4182-2-PASS

Band5-4182-3-PASS





Band5-4233-5-PASS

