

# WCDMA BANDII&V Test Data

General Description of EUT	
<b>Product Name:</b>	Total station
<b>Test Model:</b>	NS30
Environmental Conditions	
<b>Temperature:</b>	25°C
<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	DC 12V
<b>Test Engineer:</b>	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202306-0191-61. The report only show the worst case data.	



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# 1: Conducted Output Power Data

## Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	24.23	33.01	PASS
Band2	9400	24.22	33.01	PASS
Band2	9538	23.79	33.01	PASS
Band5	4132	24.39	38.45	PASS
Band5	4182	24.38	38.45	PASS
Band5	4233	24.29	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	23.09	33.01	PASS
Band2	9400	1	23.09	33.01	PASS
Band2	9538	1	22.67	33.01	PASS
Band2	9262	2	22.57	33.01	PASS
Band2	9400	2	22.55	33.01	PASS
Band2	9538	2	22.13	33.01	PASS
Band2	9262	3	22.62	33.01	PASS
Band2	9400	3	22.60	33.01	PASS
Band2	9538	3	22.18	33.01	PASS
Band2	9262	4	22.63	33.01	PASS
Band2	9400	4	22.63	33.01	PASS
Band2	9538	4	22.20	33.01	PASS
Band5	4132	1	23.41	38.5	PASS
Band5	4182	1	23.40	38.5	PASS
Band5	4233	1	23.45	38.5	PASS
Band5	4132	2	23.08	38.5	PASS
Band5	4182	2	23.06	38.5	PASS
Band5	4233	2	22.96	38.5	PASS
Band5	4132	3	23.12	38.5	PASS
Band5	4182	3	23.12	38.5	PASS
Band5	4233	3	22.99	38.5	PASS
Band5	4132	4	23.08	38.5	PASS
Band5	4182	4	23.08	38.5	PASS
Band5	4233	4	22.97	38.5	PASS



Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	21.18	33.01	PASS
Band2	9400	1	21.18	33.01	PASS
Band2	9538	1	20.76	33.01	PASS
Band2	9262	2	21.70	33.01	PASS
Band2	9400	2	21.68	33.01	PASS
Band2	9538	2	21.29	33.01	PASS
Band2	9262	3	22.22	33.01	PASS
Band2	9400	3	22.21	33.01	PASS
Band2	9538	3	21.80	33.01	PASS
Band2	9262	4	20.71	33.01	PASS
Band2	9400	4	20.70	33.01	PASS
Band2	9538	4	20.31	33.01	PASS
Band2	9262	5	23.22	33.01	PASS
Band2	9400	5	23.20	33.01	PASS
Band2	9538	5	22.81	33.01	PASS
Band5	4132	1	21.05	38.5	PASS
Band5	4182	1	21.54	38.5	PASS
Band5	4233	1	21.44	38.5	PASS
Band5	4132	2	22.07	38.5	PASS
Band5	4182	2	22.08	38.5	PASS
Band5	4233	2	21.96	38.5	PASS
Band5	4132	3	22.60	38.5	PASS
Band5	4182	3	22.59	38.5	PASS
Band5	4233	3	22.47	38.5	PASS
Band5	4132	4	21.10	38.5	PASS
Band5	4182	4	21.08	38.5	PASS
Band5	4233	4	20.99	38.5	PASS
Band5	4132	5	23.44	38.5	PASS
Band5	4182	5	23.43	38.5	PASS
Band5	4233	5	23.49	38.5	PASS



## 2: Peak-to-Average Ratio

### Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.26	13	PASS
Band2	9400	2.57	13	PASS
Band2	9538	2.24	13	PASS
Band5	4132	2.49	13	PASS
Band5	4182	2.14	13	PASS
Band5	4233	2.31	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	2.72	13	PASS
Band2	9400	1	2.83	13	PASS
Band2	9538	1	2.65	13	PASS
Band2	9262	2	3.37	13	PASS
Band2	9400	2	3.34	13	PASS
Band2	9538	2	3.3	13	PASS
Band2	9262	3	3.51	13	PASS
Band2	9400	3	3.52	13	PASS
Band2	9538	3	3.48	13	PASS
Band2	9262	4	3.56	13	PASS
Band2	9400	4	3.57	13	PASS
Band2	9538	4	3.53	13	PASS
Band5	4132	1	2.75	13	PASS
Band5	4182	1	2.53	13	PASS
Band5	4233	1	2.61	13	PASS
Band5	4132	2	3.27	13	PASS
Band5	4182	2	3.19	13	PASS
Band5	4233	2	3.24	13	PASS
Band5	4132	3	3.45	13	PASS
Band5	4182	3	3.36	13	PASS
Band5	4233	3	3.4	13	PASS
Band5	4132	4	3.5	13	PASS
Band5	4182	4	3.42	13	PASS
Band5	4233	4	3.46	13	PASS



Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.14	13	PASS
Band2	9400	1	4.13	13	PASS
Band2	9538	1	4.01	13	PASS
Band2	9262	2	4.81	13	PASS
Band2	9400	2	5.04	13	PASS
Band2	9538	2	4.81	13	PASS
Band2	9262	3	4.32	13	PASS
Band2	9400	3	4.56	13	PASS
Band2	9538	3	4.33	13	PASS
Band2	9262	4	5.13	13	PASS
Band2	9400	4	5.2	13	PASS
Band2	9538	4	5.01	13	PASS
Band2	9262	5	3.36	13	PASS
Band2	9400	5	3.61	13	PASS
Band2	9538	5	3.34	13	PASS
Band5	4132	1	4.04	13	PASS
Band5	4182	1	3.92	13	PASS
Band5	4233	1	3.99	13	PASS
Band5	4132	2	4.82	13	PASS
Band5	4182	2	4.69	13	PASS
Band5	4233	2	4.73	13	PASS
Band5	4132	3	4.37	13	PASS
Band5	4182	3	4.2	13	PASS
Band5	4233	3	4.26	13	PASS
Band5	4132	4	5.04	13	PASS
Band5	4182	4	4.87	13	PASS
Band5	4233	4	4.96	13	PASS
Band5	4132	5	3.51	13	PASS
Band5	4182	5	3.37	13	PASS
Band5	4233	5	3.34	13	PASS



**Test Graphs**



Band2-9262-PASS



Band2-9400-PASS



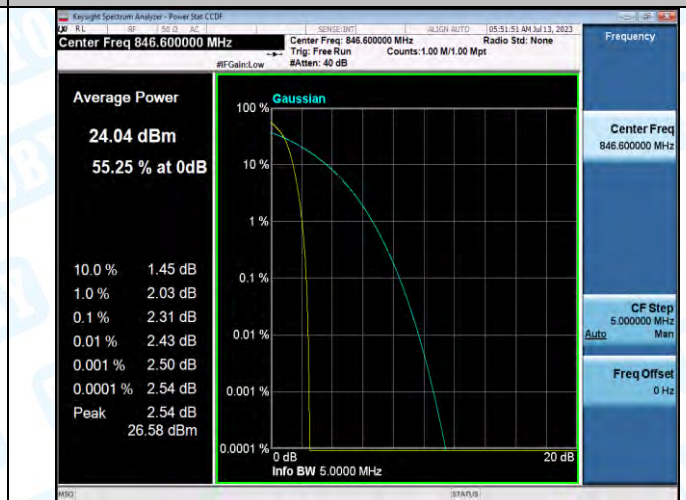
Band2-9538-PASS



Band5-4132-PASS

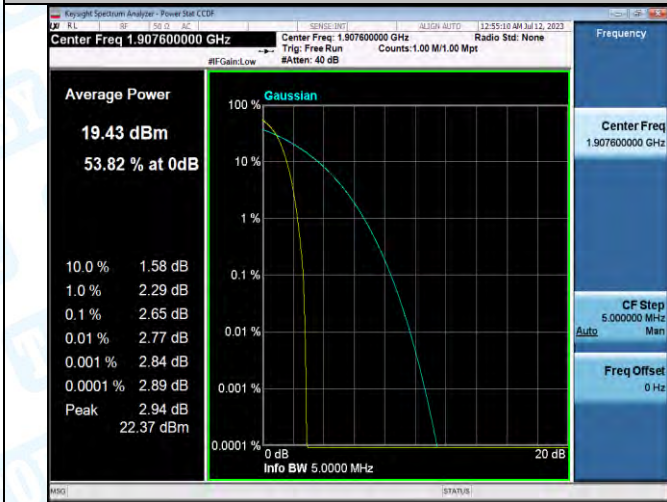
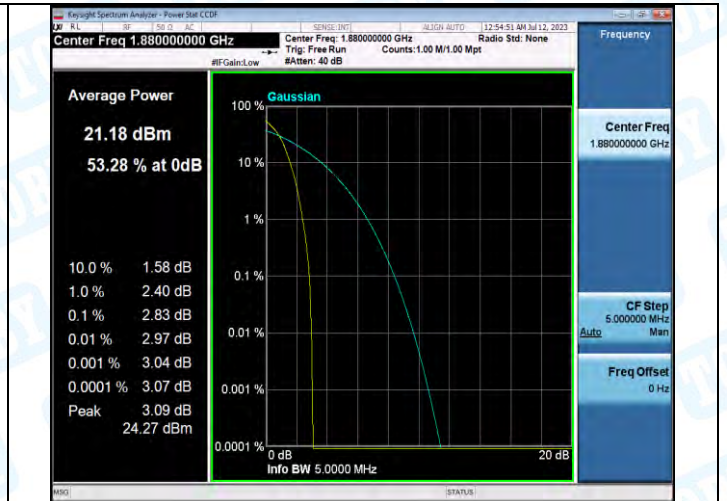


Band5-4182-PASS

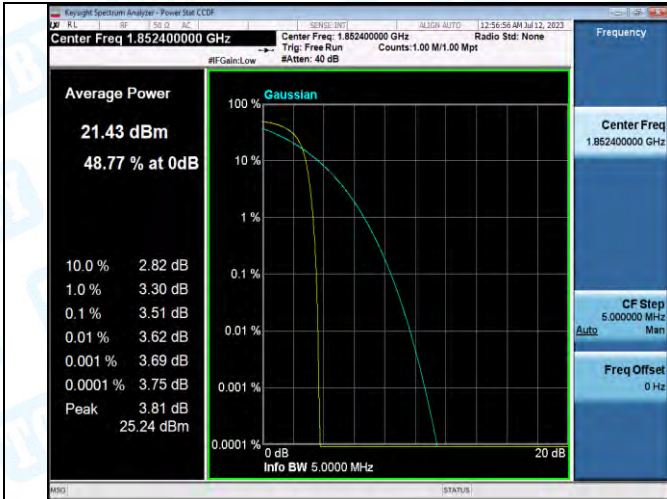


Band5-4233-PASS

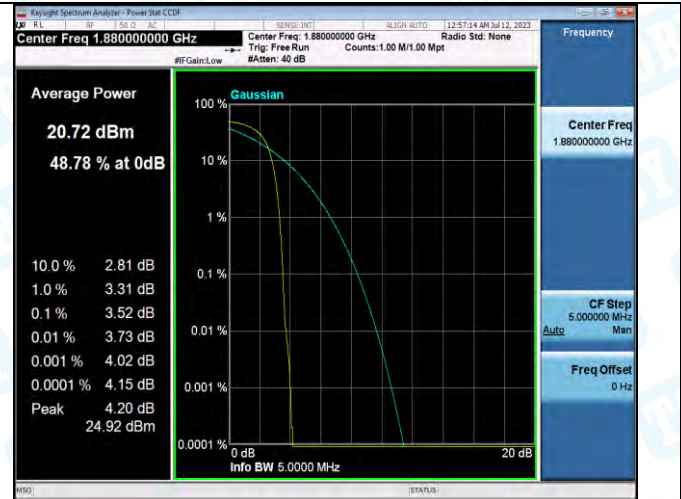








Band2-9262-3-PASS



Band2-9400-3-PASS



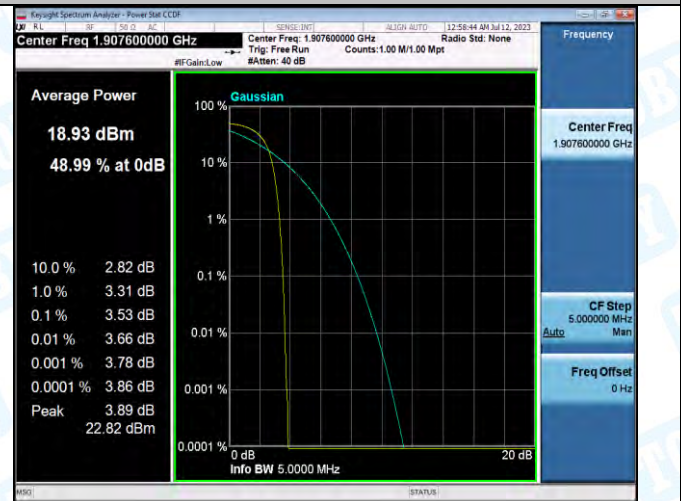
Band2-9538-3-PASS



Band2-9262-4-PASS

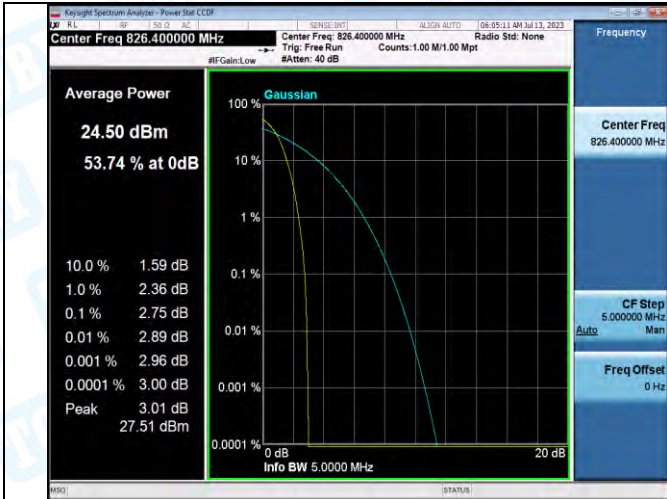


Band2-9400-4-PASS

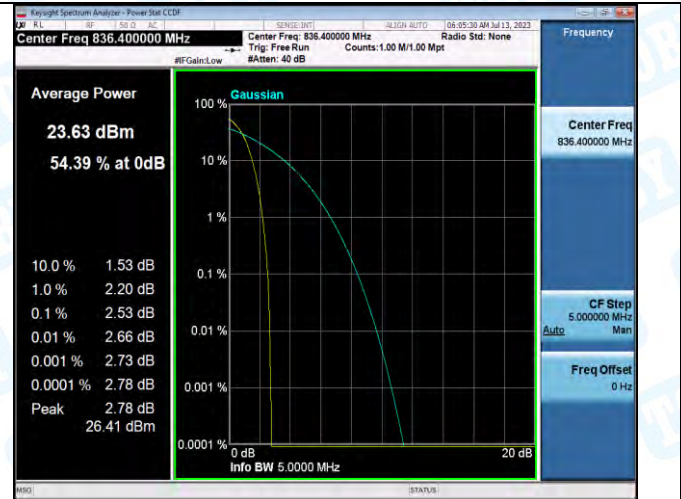


Band2-9538-4-PASS





Band5-4132-1-PASS



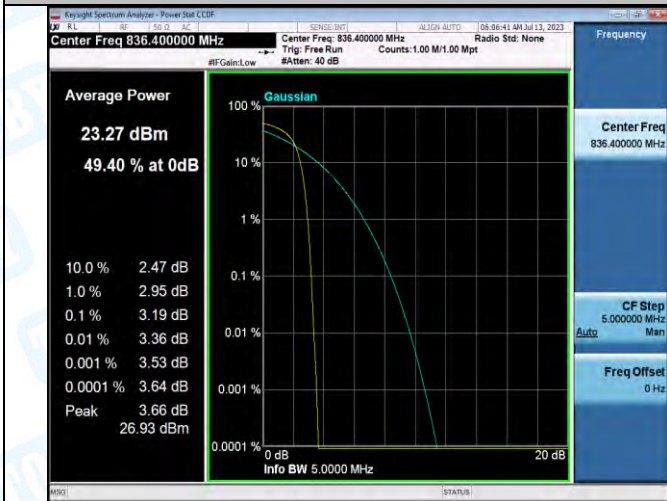
Band5-4182-1-PASS



Band5-4233-1-PASS



Band5-4132-2-PASS

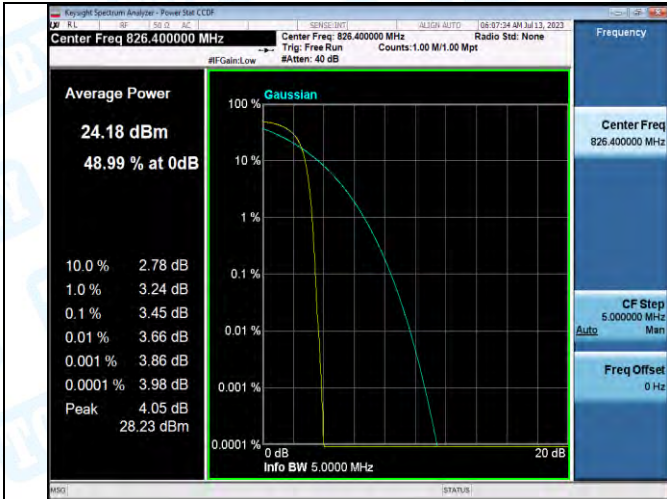


Band5-4182-2-PASS

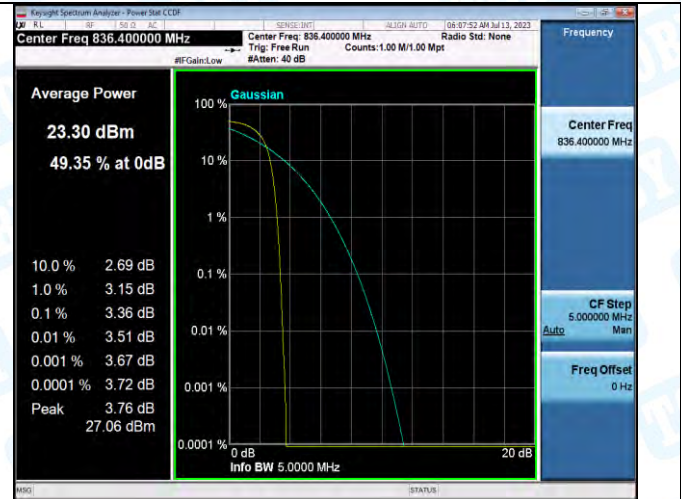


Band5-4233-2-PASS





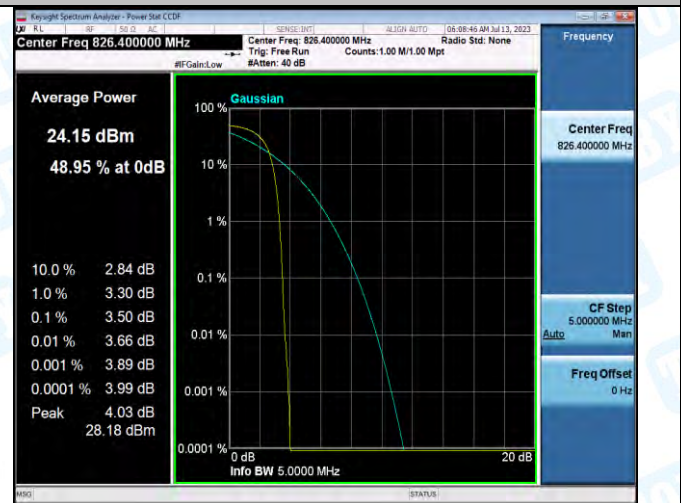
Band5-4132-3-PASS



Band5-4182-3-PASS



Band5-4233-3-PASS



Band5-4132-4-PASS

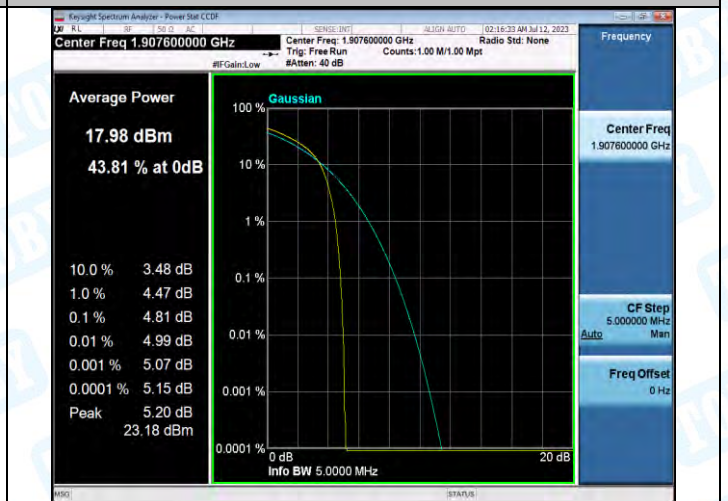
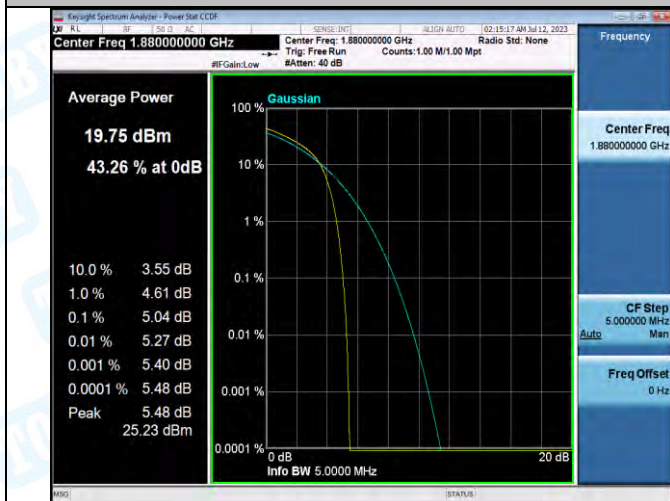
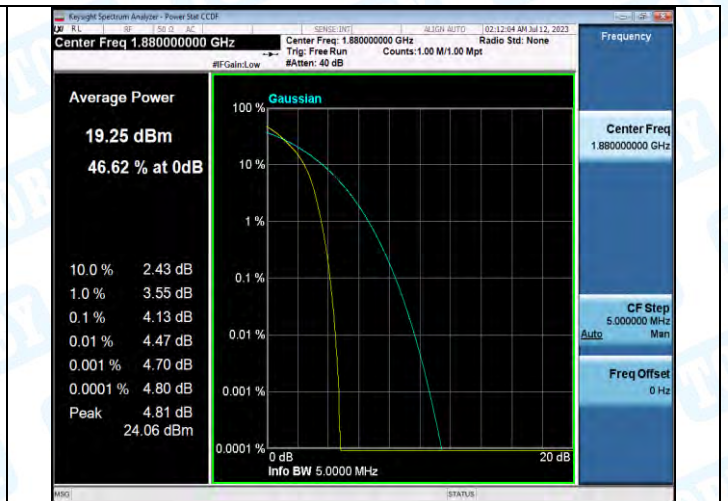
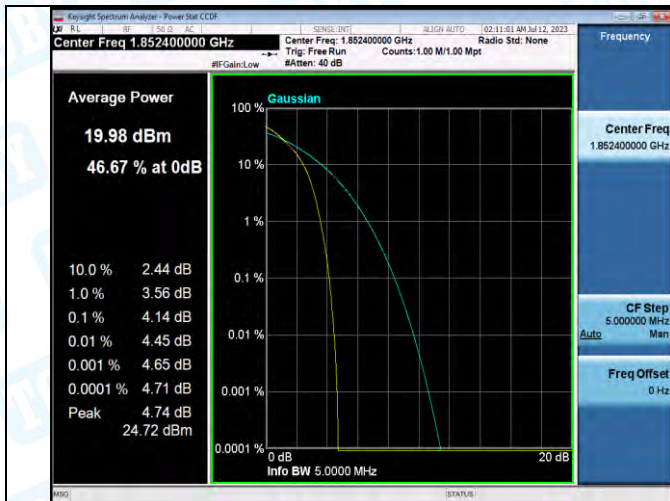


Band5-4182-4-PASS



Band5-4233-4-PASS

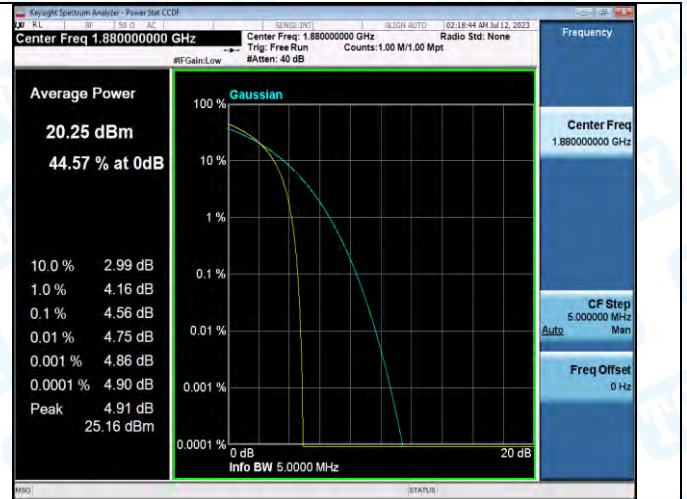








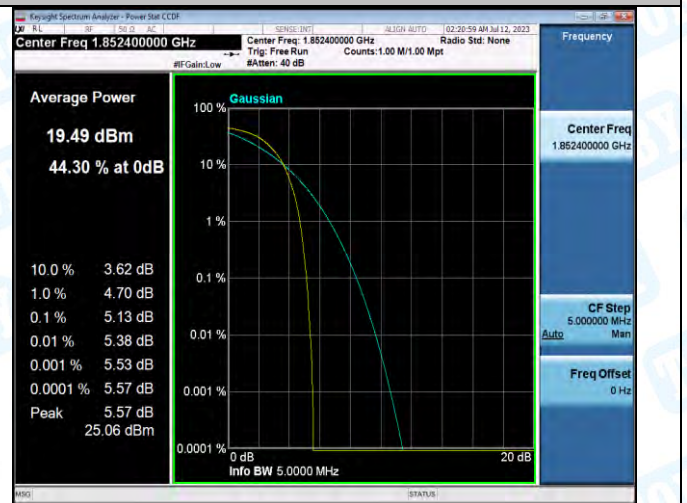
Band2-9262-3-PASS



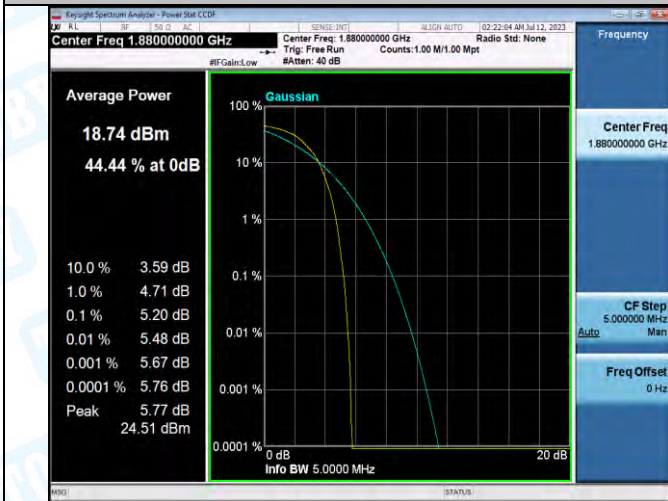
Band2-9400-3-PASS



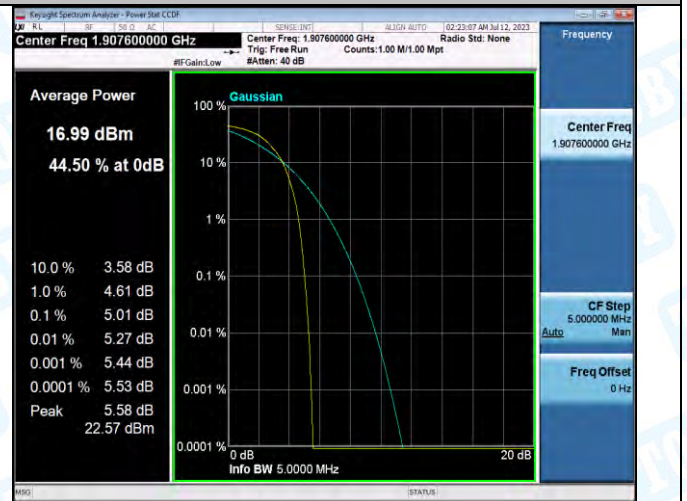
Band2-9538-3-PASS



Band2-9262-4-PASS



Band2-9400-4-PASS

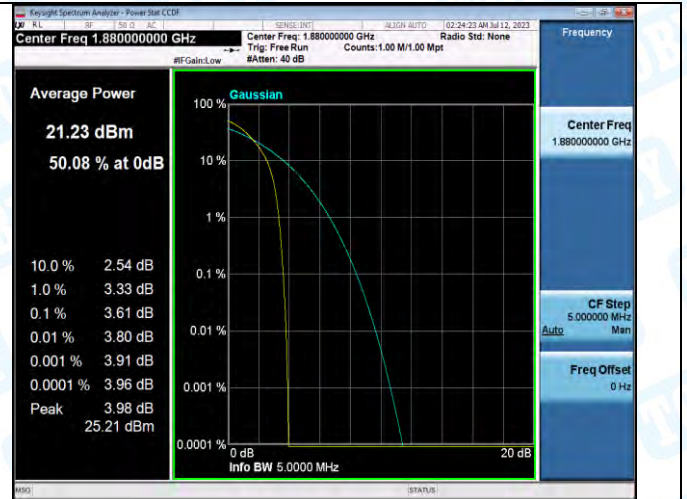


Band2-9538-4-PASS





Band2-9262-5-PASS



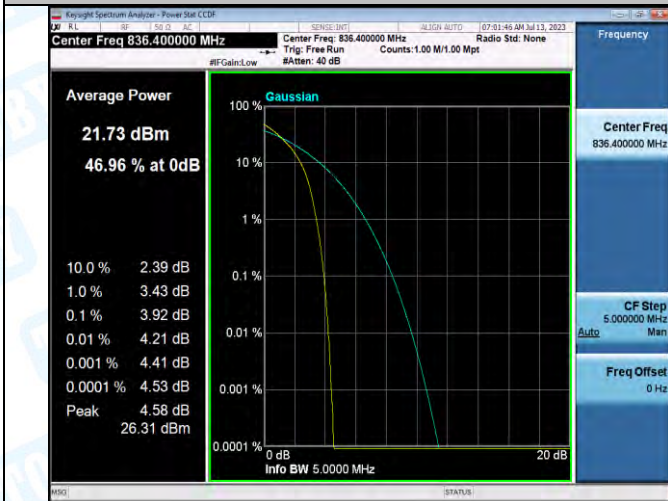
Band2-9400-5-PASS



Band2-9538-5-PASS



Band5-4132-1-PASS

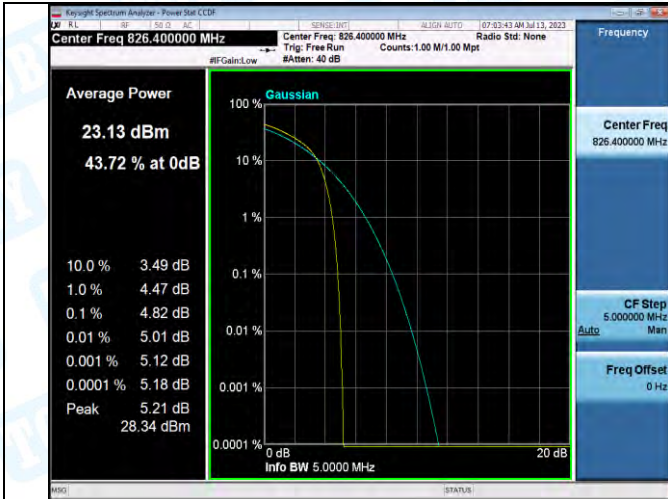


Band5-4182-1-PASS

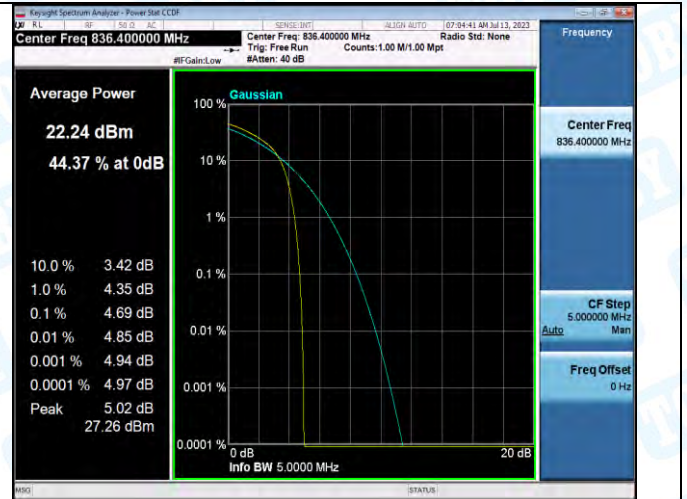


Band5-4233-1-PASS





Band5-4132-2-PASS



Band5-4182-2-PASS



Band5-4233-2-PASS



Band5-4132-3-PASS



Band5-4182-3-PASS

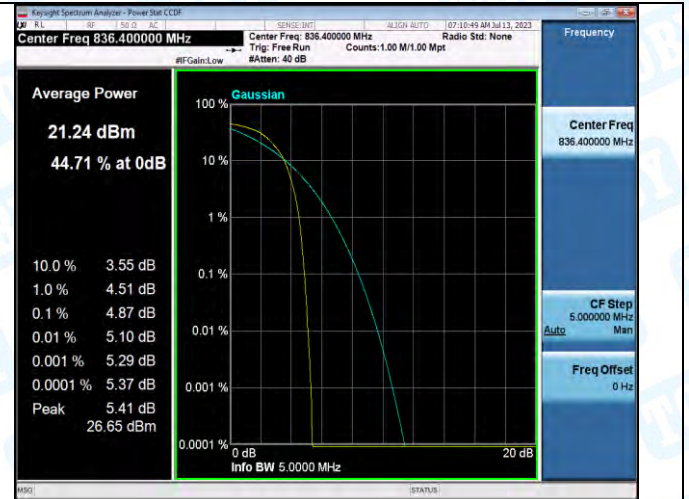


Band5-4233-3-PASS





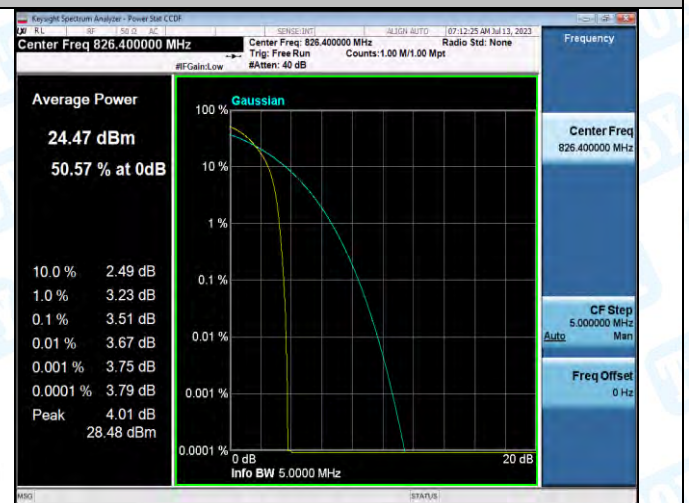
Band5-4132-4-PASS



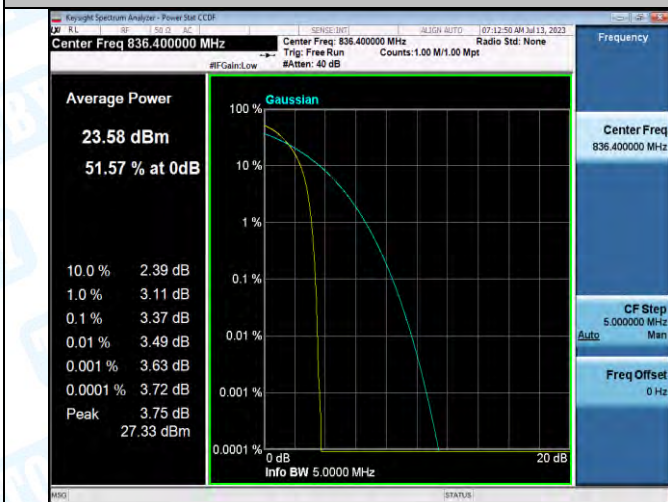
Band5-4182-4-PASS



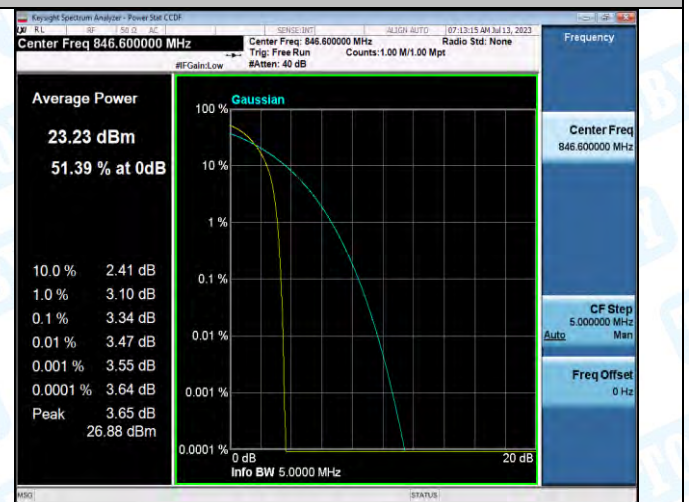
Band5-4233-4-PASS



Band5-4132-5-PASS



Band5-4182-5-PASS



Band5-4233-5-PASS



### 3: 26dB Bandwidth and Occupied Bandwidth

#### Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1606	4.737	---	PASS
Band2	9400	4.1557	4.714	---	PASS
Band2	9538	4.1742	4.748	---	PASS
Band5	4132	4.1586	4.721	---	PASS
Band5	4182	4.1738	4.759	---	PASS
Band5	4233	4.1699	4.731	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.1526	4.717	---	PASS
Band2	9400	1	4.1480	4.709	---	PASS
Band2	9538	1	4.1687	4.723	---	PASS
Band2	9262	2	4.1383	4.689	---	PASS
Band2	9400	2	4.1433	4.702	---	PASS
Band2	9538	2	4.1591	4.692	---	PASS
Band2	9262	3	4.1400	4.684	---	PASS
Band2	9400	3	4.1410	4.686	---	PASS
Band2	9538	3	4.1544	4.696	---	PASS
Band2	9262	4	4.1388	4.688	---	PASS
Band2	9400	4	4.1398	4.695	---	PASS
Band2	9538	4	4.1598	4.694	---	PASS
Band5	4132	1	4.1500	4.709	---	PASS
Band5	4182	1	4.1556	4.738	---	PASS
Band5	4233	1	4.1568	4.719	---	PASS
Band5	4132	2	4.1428	4.703	---	PASS
Band5	4182	2	4.1495	4.703	---	PASS
Band5	4233	2	4.1506	4.690	---	PASS
Band5	4132	3	4.1511	4.687	---	PASS
Band5	4182	3	4.1556	4.676	---	PASS
Band5	4233	3	4.1563	4.701	---	PASS
Band5	4132	4	4.1507	4.699	---	PASS
Band5	4182	4	4.1615	4.692	---	PASS
Band5	4233	4	4.1590	4.685	---	PASS



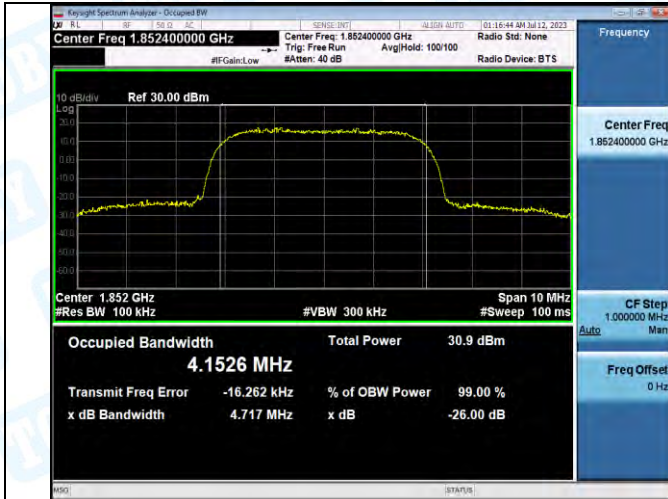
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.1624	4.689	---	PASS
Band2	9400	1	4.1610	4.719	---	PASS
Band2	9538	1	4.1685	4.711	---	PASS
Band2	9262	2	4.1685	4.717	---	PASS
Band2	9400	2	4.1817	4.710	---	PASS
Band2	9538	2	4.1818	4.723	---	PASS
Band2	9262	3	4.1636	4.697	---	PASS
Band2	9400	3	4.1758	4.727	---	PASS
Band2	9538	3	4.1794	4.729	---	PASS
Band2	9262	4	4.1595	4.715	---	PASS
Band2	9400	4	4.1565	4.695	---	PASS
Band2	9538	4	4.1625	4.697	---	PASS
Band2	9262	5	4.1594	4.705	---	PASS
Band2	9400	5	4.1507	4.716	---	PASS
Band2	9538	5	4.1692	4.717	---	PASS
Band5	4132	1	4.1551	4.698	---	PASS
Band5	4182	1	4.1588	4.726	---	PASS
Band5	4233	1	4.1677	4.701	---	PASS
Band5	4132	2	4.1628	4.714	---	PASS
Band5	4182	2	4.1967	4.732	---	PASS
Band5	4233	2	4.1823	4.723	---	PASS
Band5	4132	3	4.1685	4.717	---	PASS
Band5	4182	3	4.1837	4.740	---	PASS
Band5	4233	3	4.1797	4.731	---	PASS
Band5	4132	4	4.1620	4.707	---	PASS
Band5	4182	4	4.1661	4.707	---	PASS
Band5	4233	4	4.1653	4.700	---	PASS
Band5	4132	5	4.1579	4.716	---	PASS
Band5	4182	5	4.1743	4.741	---	PASS
Band5	4233	5	4.1622	4.719	---	PASS



**Test Graphs**



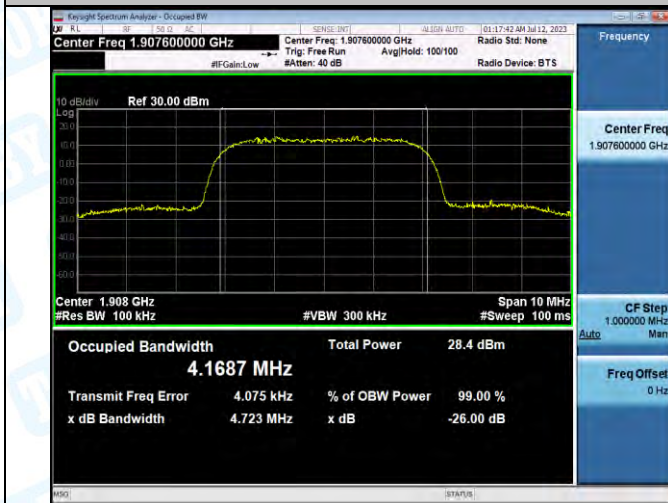




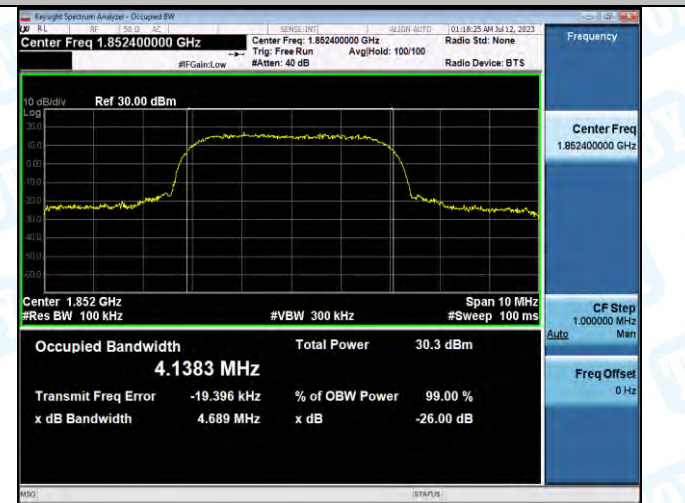
Band2-9262-1-PASS



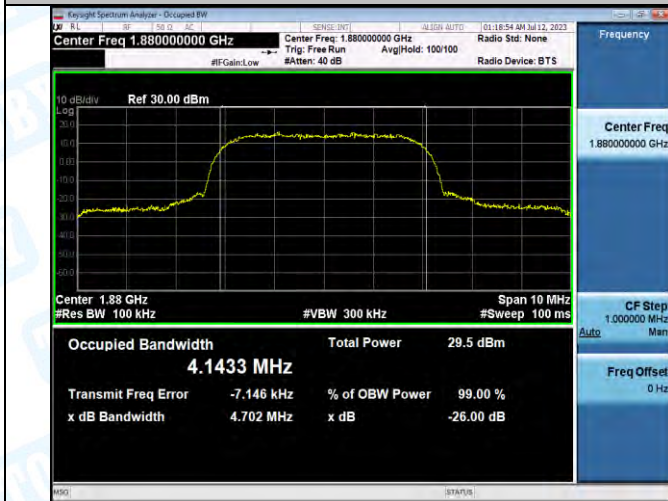
Band2-9400-1-PASS



Band2-9538-1-PASS



Band2-9262-2-PASS

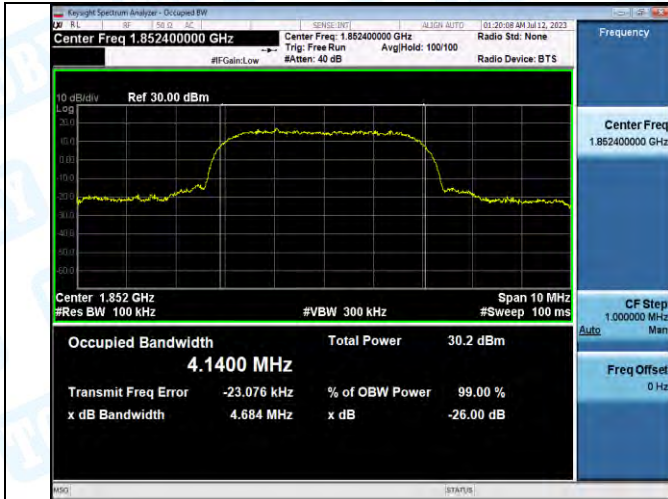


Band2-9400-2-PASS



Band2-9538-2-PASS

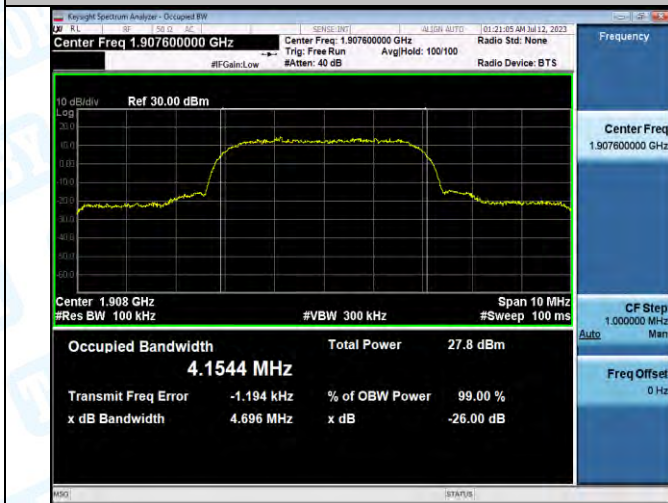




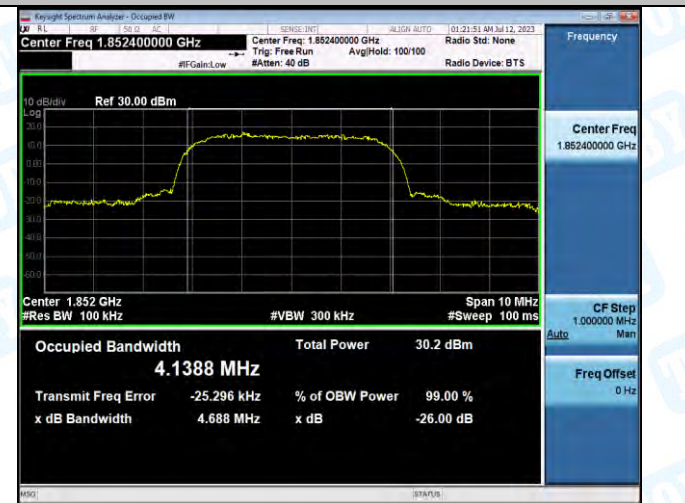
Band2-9262-3-PASS



Band2-9400-3-PASS



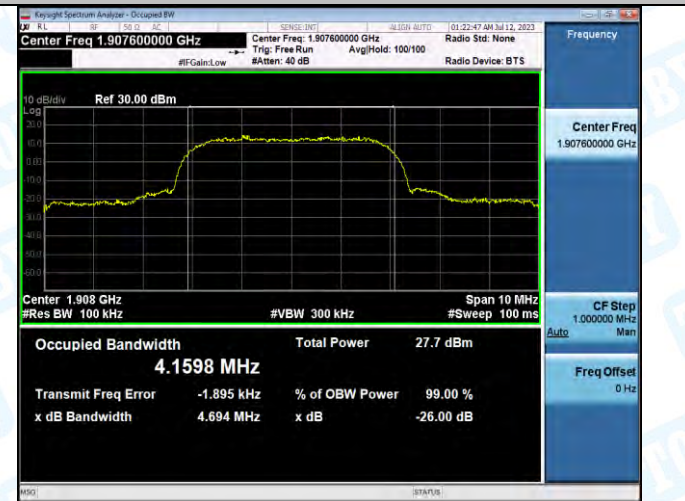
Band2-9538-3-PASS



Band2-9262-4-PASS

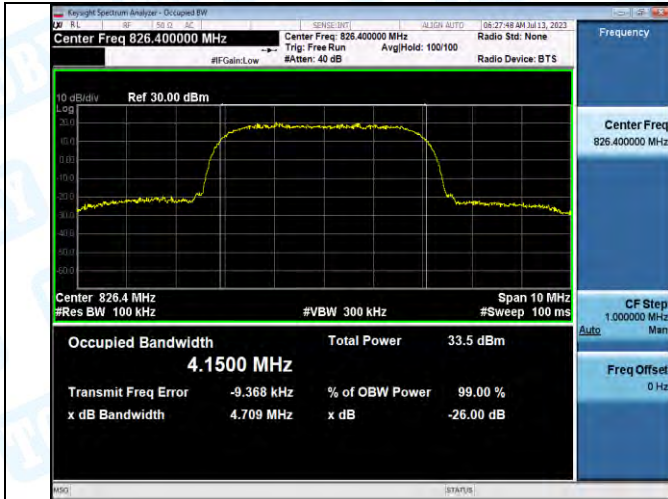


Band2-9400-4-PASS



Band2-9538-4-PASS

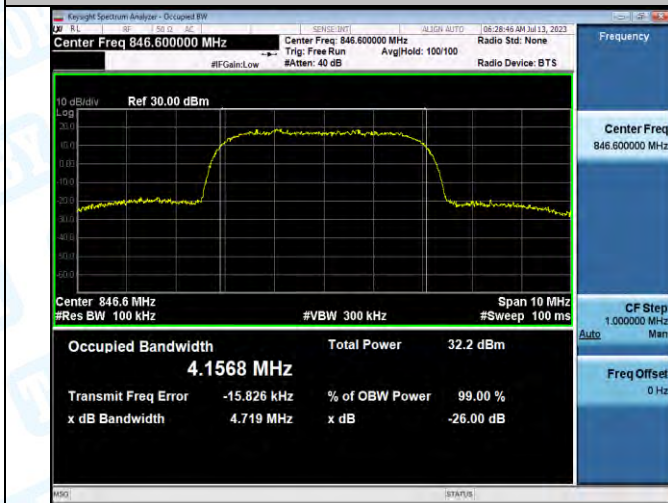




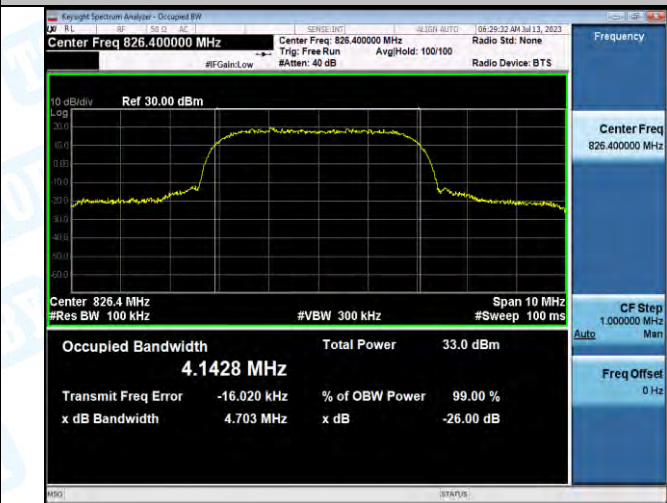
Band5-4132-1-PASS



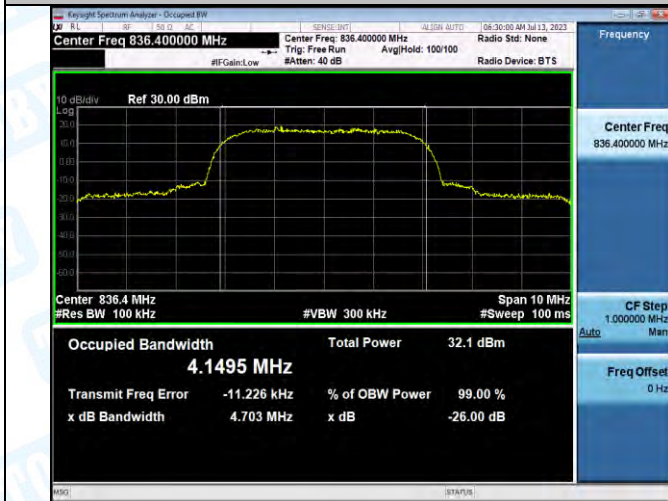
Band5-4182-1-PASS



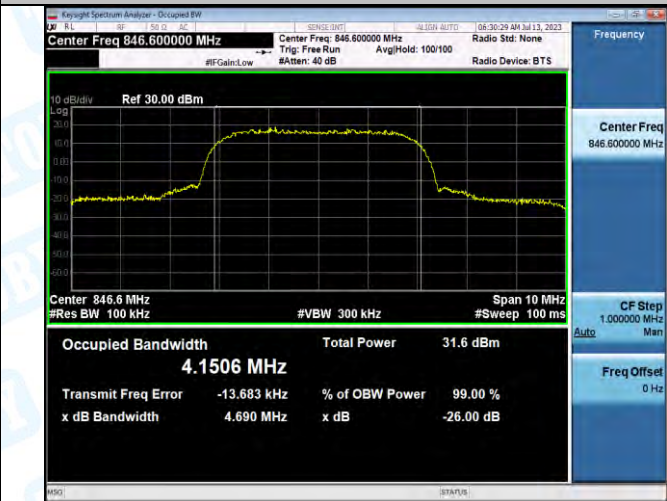
Band5-4233-1-PASS



Band5-4132-2-PASS

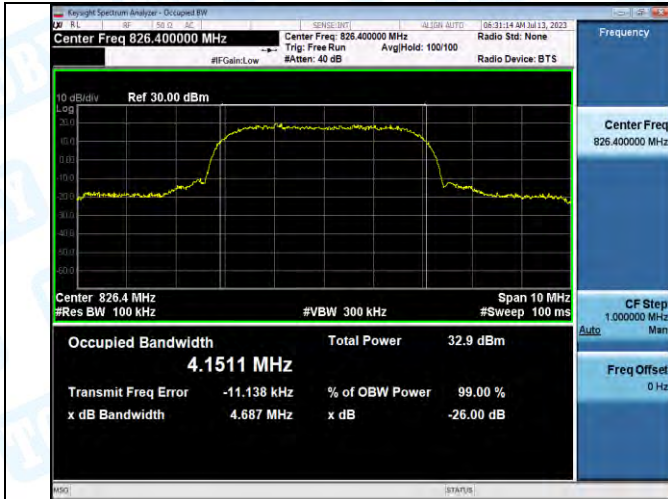


Band5-4182-2-PASS



Band5-4233-2-PASS

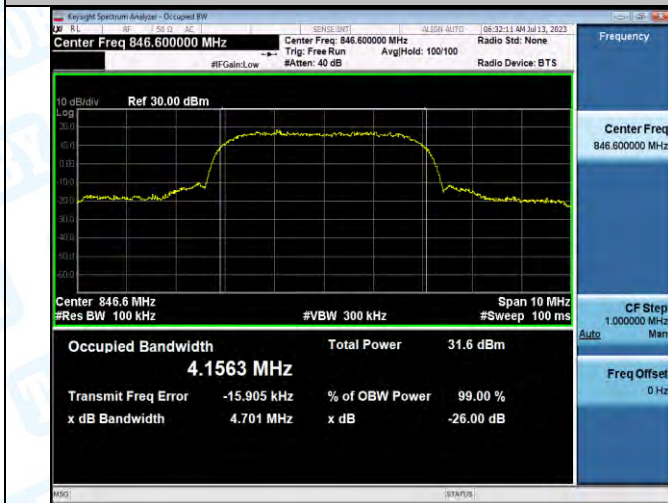




Band5-4132-3-PASS



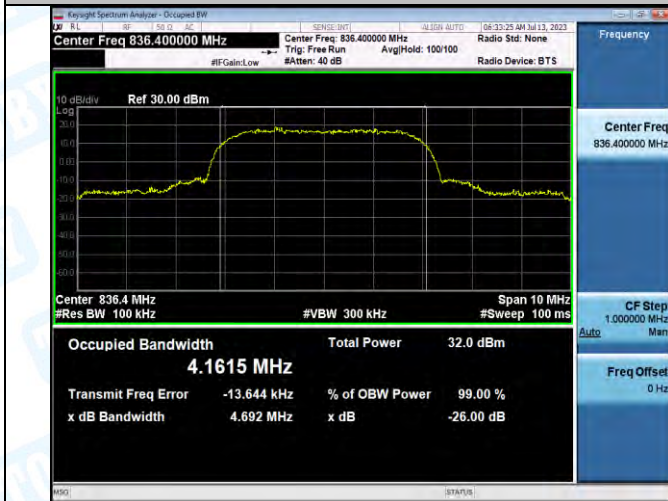
Band5-4182-3-PASS



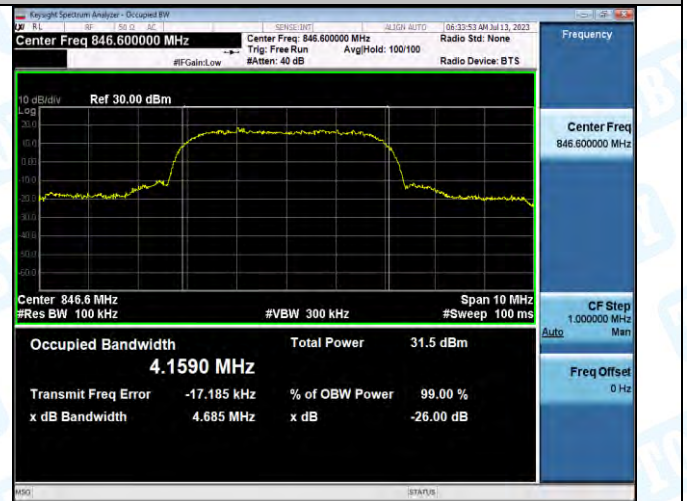
Band5-4233-3-PASS



Band5-4132-4-PASS

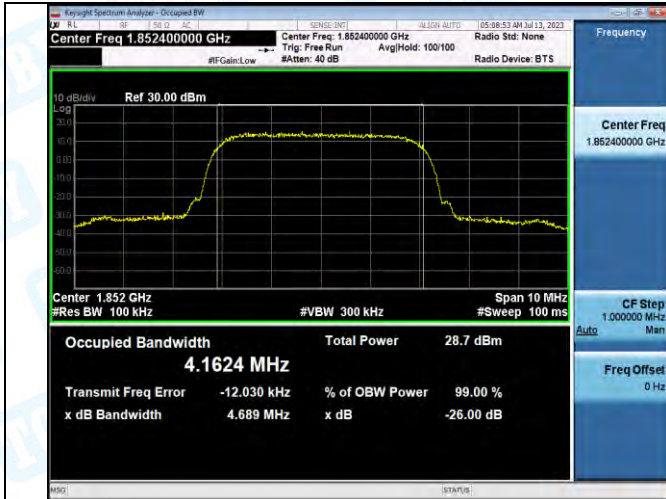


Band5-4182-4-PASS

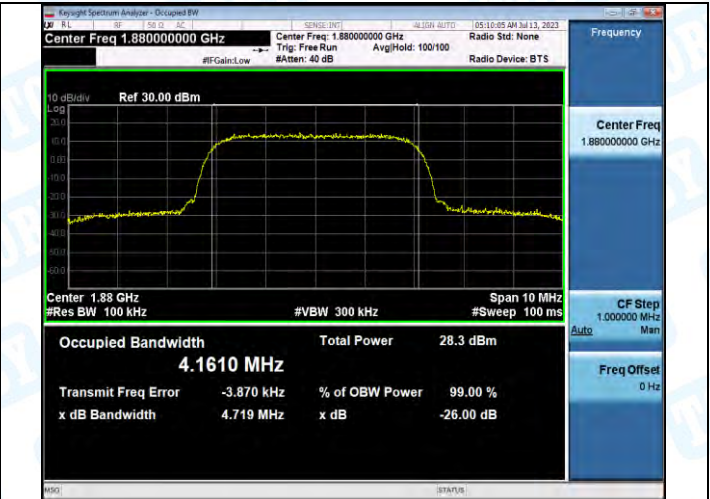


Band5-4233-4-PASS

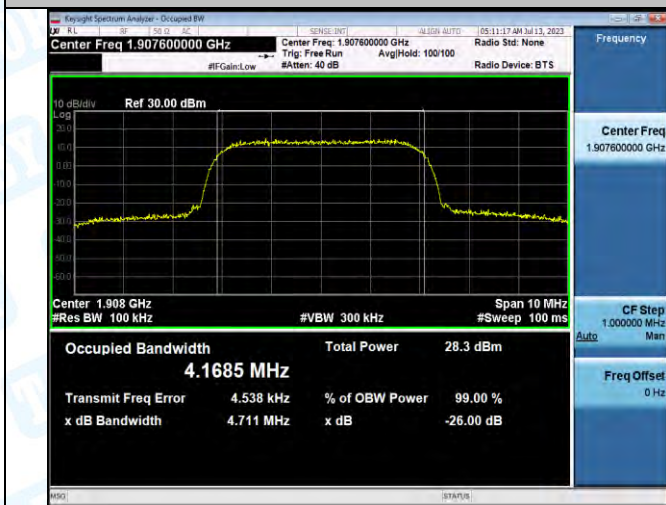




Band2-9262-1-PASS



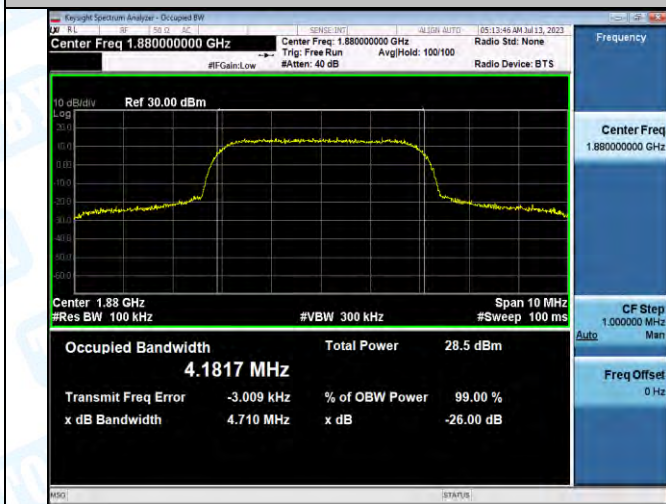
Band2-9400-1-PASS



Band2-9538-1-PASS



Band2-9262-2-PASS

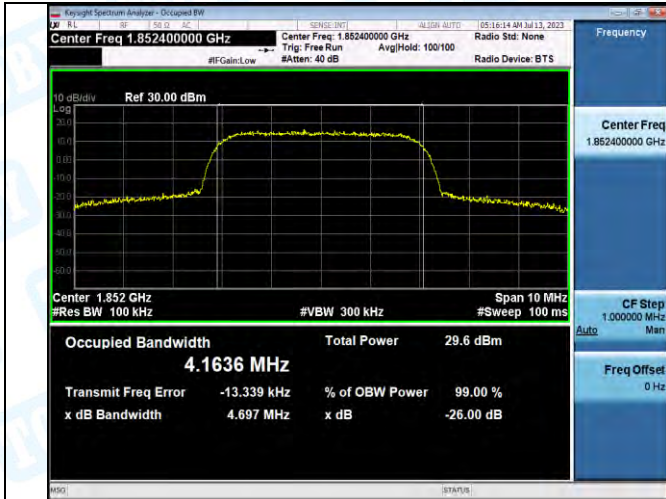


Band2-9400-2-PASS



Band2-9538-2-PASS

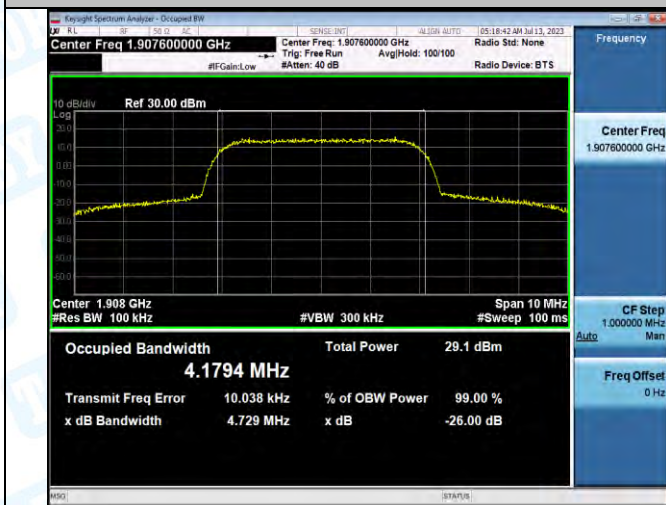




Band2-9262-3-PASS



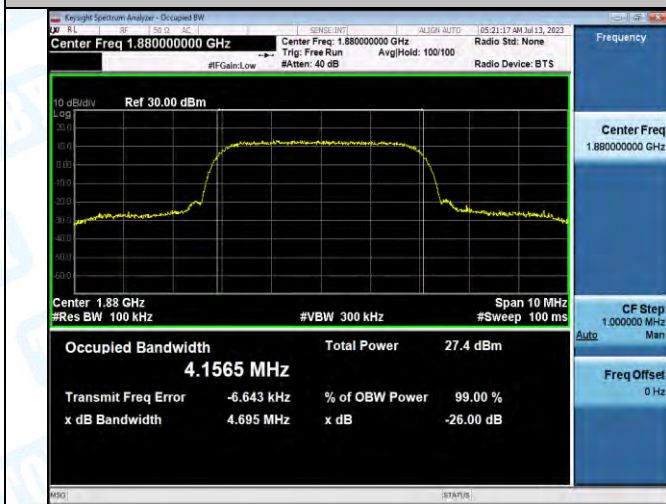
Band2-9400-3-PASS



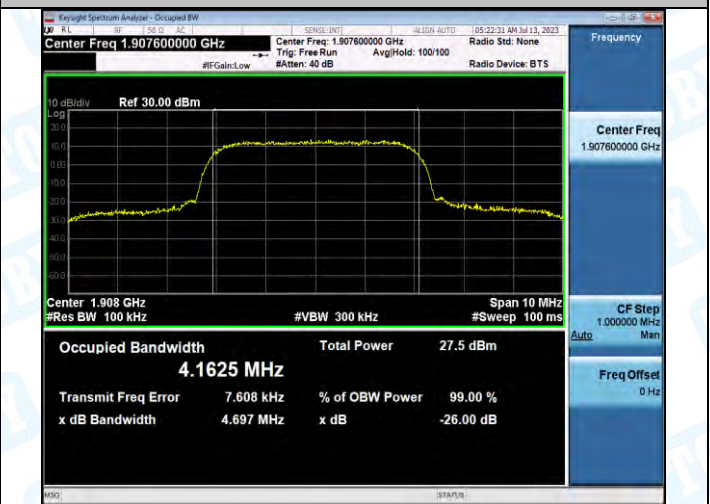
Band2-9538-3-PASS



Band2-9262-4-PASS

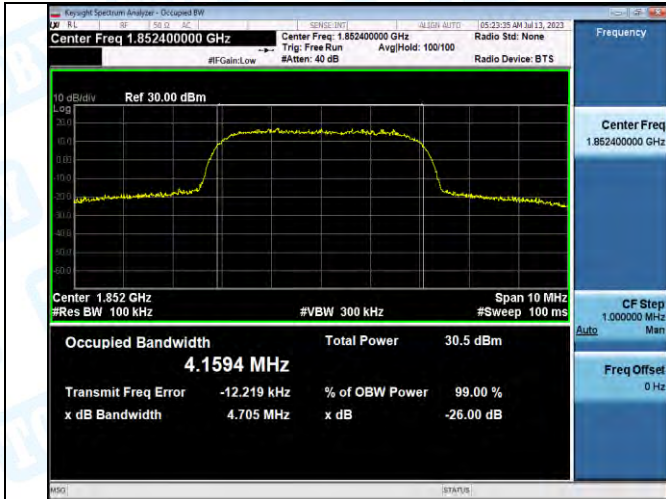


Band2-9400-4-PASS



Band2-9538-4-PASS

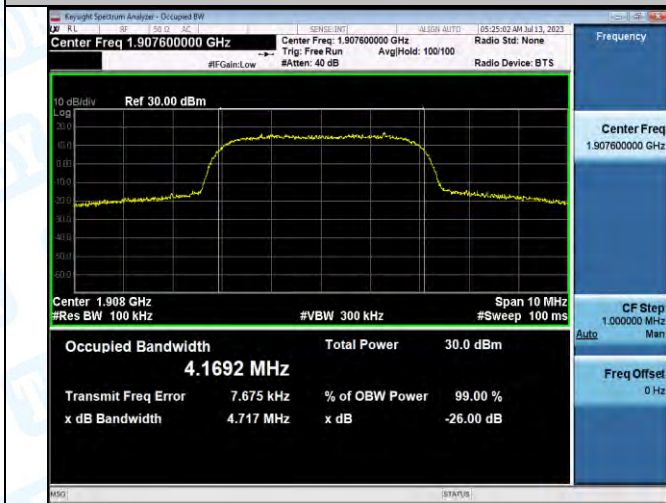




Band2-9262-5-PASS



Band2-9400-5-PASS



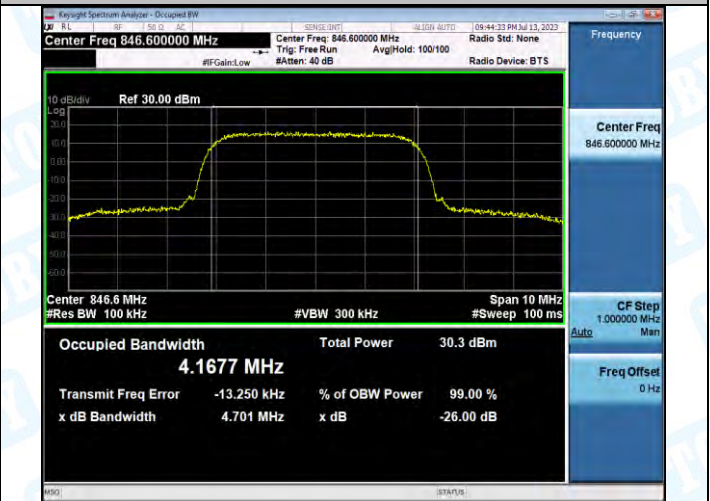
Band2-9538-5-PASS



Band5-4132-1-PASS

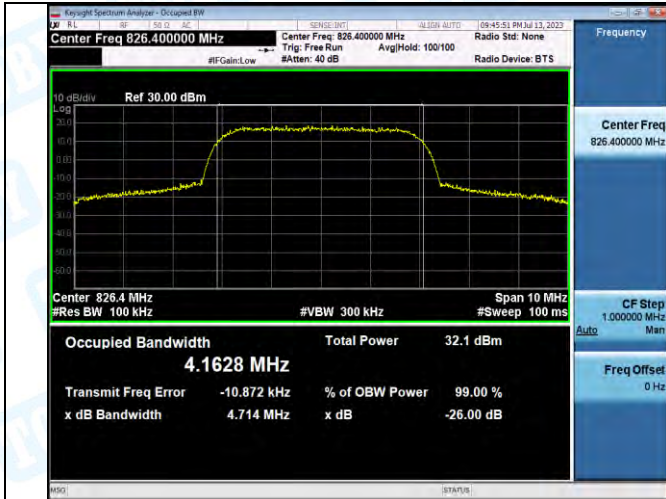


Band5-4182-1-PASS

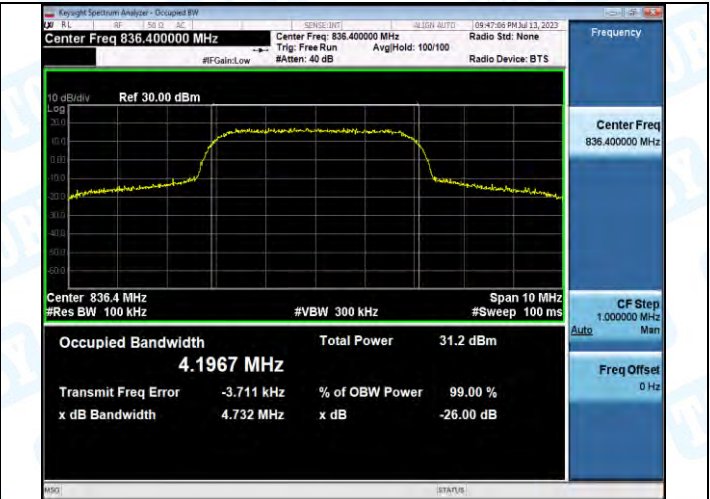


Band5-4233-1-PASS

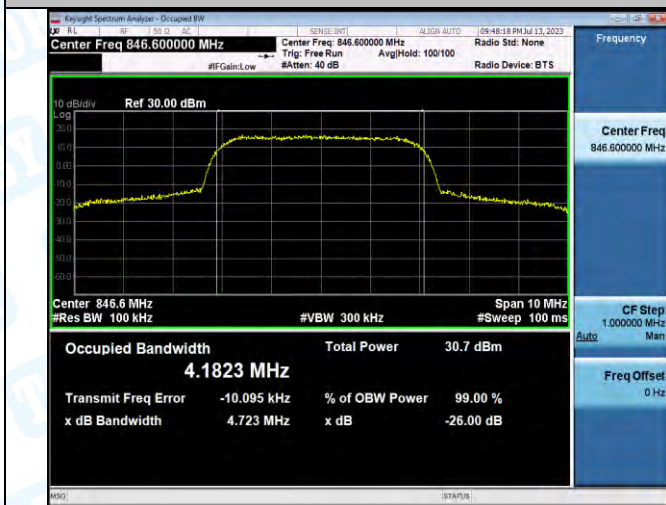




Band5-4132-2-PASS



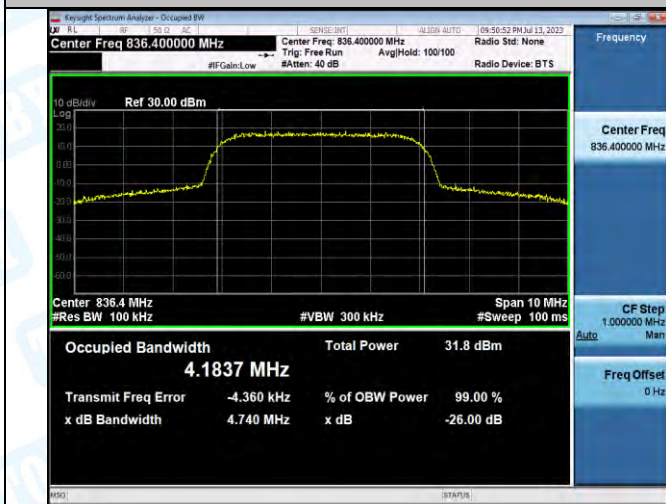
Band5-4182-2-PASS



Band5-4233-2-PASS



Band5-4132-3-PASS



Band5-4182-3-PASS

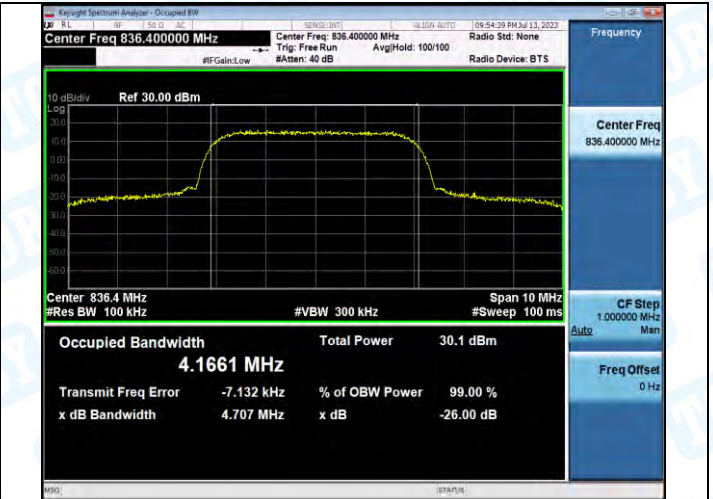


Band5-4233-3-PASS





Band5-4132-4-PASS



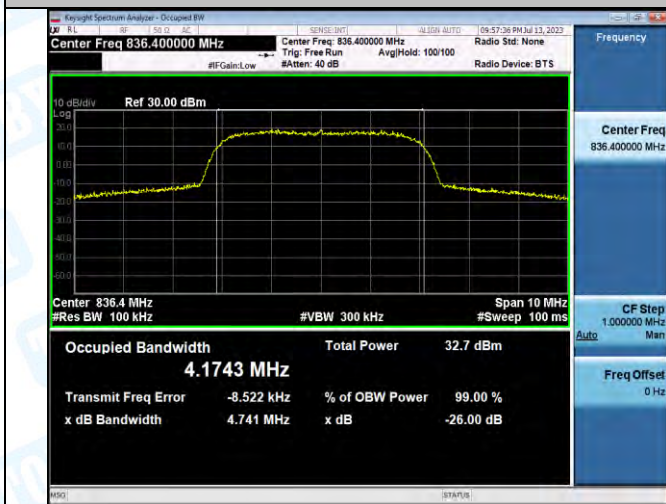
Band5-4182-4-PASS



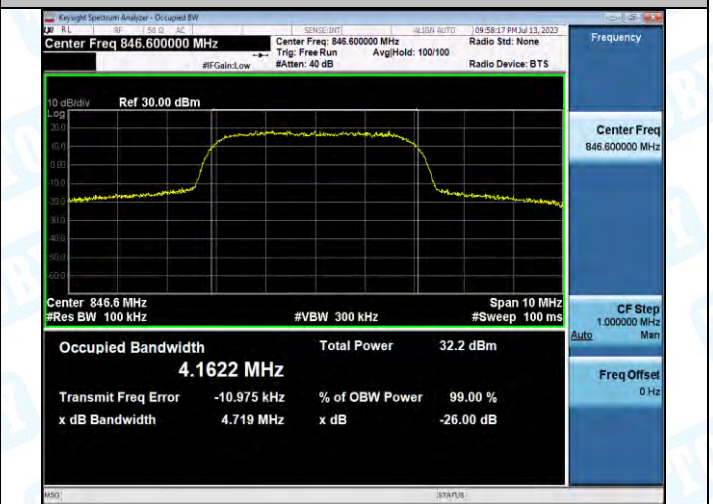
Band5-4233-4-PASS



Band5-4132-5-PASS



Band5-4182-5-PASS



Band5-4233-5-PASS



## 4: Band Edge

### Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.86	-25.94	-13	PASS
Band5	4233	849.00	-25.65	-13	PASS
Band2	9262	1849.85	-25.99	-13	PASS
Band2	9538	1910.00	-27.82	-13	PASS

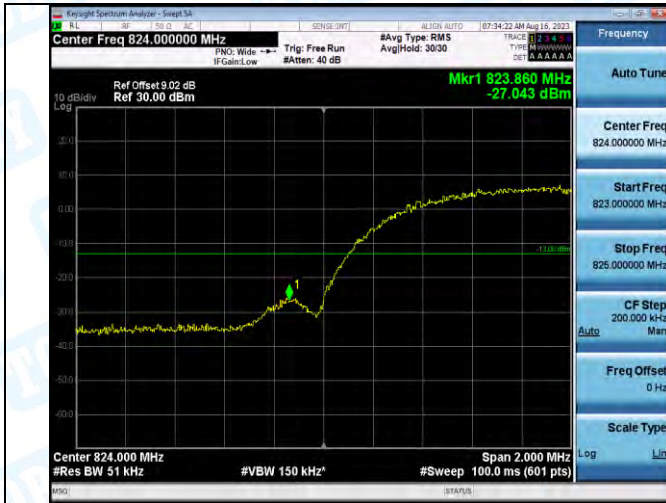
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.87	-26.39	-13	PASS
Band5	4233	1	849.12	-28.90	-13	PASS
Band5	4132	2	823.85	-26.64	-13	PASS
Band5	4233	2	849.13	-27.03	-13	PASS
Band5	4132	3	823.87	-26.70	-13	PASS
Band5	4233	3	849.12	-26.45	-13	PASS
Band5	4132	4	823.87	-27.20	-13	PASS
Band5	4233	4	849.12	-25.63	-13	PASS
Band2	9262	1	1849.89	-27.55	-13	PASS
Band2	9538	1	1910.11	-28.14	-13	PASS
Band2	9262	2	1849.85	-27.10	-13	PASS
Band2	9538	2	1910.13	-27.44	-13	PASS
Band2	9262	3	1849.88	-26.96	-13	PASS
Band2	9538	3	1910.13	-27.21	-13	PASS
Band2	9262	4	1849.88	-26.95	-13	PASS
Band2	9538	4	1910.12	-26.51	-13	PASS



Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1849.86	-29.04	-13	PASS
Band2	9538	1	1910.14	-30.38	-13	PASS
Band2	9262	2	1849.86	-27.81	-13	PASS
Band2	9538	2	1910.14	-28.42	-13	PASS
Band2	9262	3	1849.91	-27.99	-13	PASS
Band2	9538	3	1910.12	-28.48	-13	PASS
Band2	9262	4	1849.89	-28.04	-13	PASS
Band2	9538	4	1910.10	-27.93	-13	PASS
Band2	9262	5	1849.89	-27.50	-13	PASS
Band2	9538	5	1910.12	-28.21	-13	PASS
Band5	4132	1	823.88	-28.46	-13	PASS
Band5	4233	1	849.12	-29.93	-13	PASS
Band5	4132	2	823.86	-28.07	-13	PASS
Band5	4233	2	849.13	-28.69	-13	PASS
Band5	4132	3	823.88	-26.59	-13	PASS
Band5	4233	3	849.12	-28.35	-13	PASS
Band5	4132	4	823.89	-29.14	-13	PASS
Band5	4233	4	849.11	-30.33	-13	PASS
Band5	4132	5	823.88	-26.21	-13	PASS
Band5	4233	5	849.12	-26.40	-13	PASS



**Test Graphs**



Band5-4132-PASS



Band5-4233-PASS



Band2-9262-PASS



Band2-9538-PASS

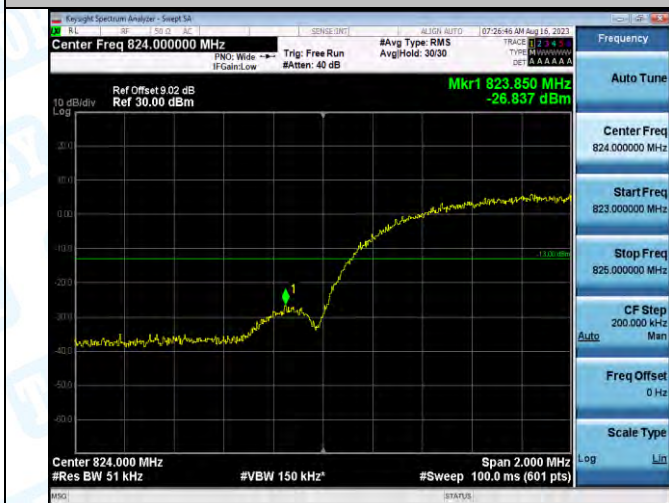




Band5-4132-1-PASS



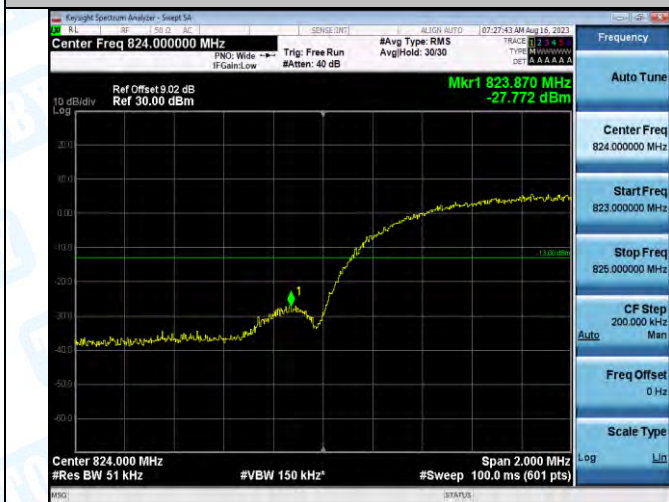
Band5-4233-1-PASS



Band5-4132-2-PASS



Band5-4233-2-PASS



Band5-4132-3-PASS



Band5-4233-3-PASS