

RF Test Data for WCDMA (Conducted Measurements)

General Description of EUT	
Product Name:	RUGGEDIZED HAND-HELD DEVICE
Test Model:	CHAMELEON 5R V2 DUAL
Sample ID:	202202_0108-01-4
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.85V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202202-0108-14	

AppendixA: Conducted power Data

Test Result(WCDMA)

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	20.34	33.01	PASS
Band2	9262	20.32	33.01	PASS
Band2	9400	20.57	33.01	PASS
Band2	9400	20.56	33.01	PASS
Band2	9538	20.82	33.01	PASS
Band2	9538	20.86	33.01	PASS
Band4	1312	22.10	30.00	PASS
Band4	1312	22.09	30.00	PASS
Band4	1413	21.76	30.00	PASS
Band4	1413	21.77	30.00	PASS
Band4	1513	21.70	30.00	PASS
Band4	1513	21.73	30.00	PASS
Band5	4132	22.77	38.45	PASS
Band5	4132	22.58	38.45	PASS
Band5	4183	22.81	38.45	PASS
Band5	4183	22.78	38.45	PASS
Band5	4233	22.69	38.45	PASS
Band5	4233	22.69	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	19.95	33.01	PASS
Band2	9262	2	19.49	33.01	PASS
Band2	9262	3	19.49	33.01	PASS
Band2	9262	4	19.49	33.01	PASS
Band2	9400	1	20.23	33.01	PASS
Band2	9400	2	19.76	33.01	PASS
Band2	9400	3	19.77	33.01	PASS
Band2	9400	4	19.75	33.01	PASS
Band2	9538	1	20.47	33.01	PASS
Band2	9538	2	20.01	33.01	PASS
Band2	9538	3	20.01	33.01	PASS

Band2	9538	4	20.05	33.01	PASS
Band4	1312	1	21.82	30.00	PASS
Band4	1312	2	21.34	30.00	PASS
Band4	1312	3	21.34	30.00	PASS
Band4	1312	4	21.32	30.00	PASS
Band4	1413	1	21.48	30.00	PASS
Band4	1413	2	21.01	30.00	PASS
Band4	1413	3	21.04	30.00	PASS
Band4	1413	4	21.00	30.00	PASS
Band4	1513	1	21.44	30.00	PASS
Band4	1513	2	20.99	30.00	PASS
Band4	1513	3	20.97	30.00	PASS
Band4	1513	4	20.95	30.00	PASS
Band5	4132	1	22.52	38.5	PASS
Band5	4132	2	22.02	38.5	PASS
Band5	4132	3	22.05	38.5	PASS
Band5	4132	4	22.01	38.5	PASS
Band5	4183	1	22.52	38.5	PASS
Band5	4183	2	22.06	38.5	PASS
Band5	4183	3	22.03	38.5	PASS
Band5	4183	4	22.04	38.5	PASS
Band5	4233	1	22.39	38.5	PASS
Band5	4233	2	21.93	38.5	PASS
Band5	4233	3	21.90	38.5	PASS
Band5	4233	4	21.91	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	19.27	33.01	PASS
Band2	9262	2	18.41	33.01	PASS
Band2	9262	3	18.99	33.01	PASS
Band2	9262	4	17.94	33.01	PASS
Band2	9262	5	19.90	33.01	PASS
Band2	9400	1	20.04	33.01	PASS
Band2	9400	2	18.79	33.01	PASS

Band2	9400	3	19.26	33.01	PASS
Band2	9400	4	18.15	33.01	PASS
Band2	9400	5	20.22	33.01	PASS
Band2	9538	1	20.20	33.01	PASS
Band2	9538	2	19.01	33.01	PASS
Band2	9538	3	19.52	33.01	PASS
Band2	9538	4	18.42	33.01	PASS
Band2	9538	5	20.48	33.01	PASS
Band4	1312	1	21.03	30.00	PASS
Band4	1312	2	20.42	30.00	PASS
Band4	1312	3	20.86	30.00	PASS
Band4	1312	4	19.78	30.00	PASS
Band4	1312	5	21.83	30.00	PASS
Band4	1413	1	21.31	30.00	PASS
Band4	1413	2	20.12	30.00	PASS
Band4	1413	3	20.57	30.00	PASS
Band4	1413	4	19.52	30.00	PASS
Band4	1413	5	21.53	30.00	PASS
Band4	1513	1	21.31	30.00	PASS
Band4	1513	2	20.01	30.00	PASS
Band4	1513	3	20.51	30.00	PASS
Band4	1513	4	19.45	30.00	PASS
Band4	1513	5	21.47	30.00	PASS
Band5	4132	1	22.44	38.5	PASS
Band5	4132	2	21.04	38.5	PASS
Band5	4132	3	21.42	38.5	PASS
Band5	4132	4	20.41	38.5	PASS
Band5	4132	5	22.58	38.5	PASS
Band5	4183	1	22.35	38.5	PASS
Band5	4183	2	21.01	38.5	PASS

Band5	4183	3	21.52	38.5	PASS
Band5	4183	4	20.50	38.5	PASS
Band5	4183	5	22.57	38.5	PASS
Band5	4233	1	22.24	38.5	PASS
Band5	4233	2	20.95	38.5	PASS
Band5	4233	3	21.53	38.5	PASS
Band5	4233	4	20.31	38.5	PASS
Band5	4233	5	22.45	38.5	PASS

AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.99	13	PASS
Band2	9400	3.01	13	PASS
Band2	9538	3.01	13	PASS
Band4	1312	3.02	13	PASS
Band4	1413	2.97	13	PASS
Band4	1513	3	13	PASS
Band5	4132	3.25	13	PASS
Band5	4183	3.2	13	PASS
Band5	4233	2.69	13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	3.03	13	PASS
Band2	9262	2	3.59	13	PASS
Band2	9262	3	3.77	13	PASS
Band2	9262	4	3.86	13	PASS
Band2	9400	1	3.05	13	PASS
Band2	9400	2	3.48	13	PASS
Band2	9400	3	3.7	13	PASS
Band2	9400	4	3.74	13	PASS
Band2	9538	1	3.07	13	PASS
Band2	9538	2	3.61	13	PASS
Band2	9538	3	3.81	13	PASS
Band2	9538	4	3.85	13	PASS
Band4	1312	1	3.04	13	PASS
Band4	1312	2	3.46	13	PASS
Band4	1312	3	3.67	13	PASS
Band4	1312	4	3.73	13	PASS
Band4	1413	1	3.05	13	PASS
Band4	1413	2	3.49	13	PASS
Band4	1413	3	3.69	13	PASS
Band4	1413	4	3.74	13	PASS

Band4	1513	1	3.05	13	PASS
Band4	1513	2	3.46	13	PASS
Band4	1513	3	3.7	13	PASS
Band4	1513	4	3.73	13	PASS
Band5	4132	1	3.25	13	PASS
Band5	4132	2	3.64	13	PASS
Band5	4132	3	3.84	13	PASS
Band5	4132	4	3.9	13	PASS
Band5	4183	1	3.21	13	PASS
Band5	4183	2	3.66	13	PASS
Band5	4183	3	3.88	13	PASS
Band5	4183	4	3.91	13	PASS
Band5	4233	1	2.83	13	PASS
Band5	4233	2	3.57	13	PASS
Band5	4233	3	3.76	13	PASS
Band5	4233	4	3.81	13	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.29	13	PASS
Band2	9262	2	5.26	13	PASS
Band2	9262	3	5.19	13	PASS
Band2	9262	4	5.17	13	PASS
Band2	9262	5	4.19	13	PASS
Band2	9400	1	4.42	13	PASS
Band2	9400	2	5.52	13	PASS
Band2	9400	3	5.08	13	PASS
Band2	9400	4	5.51	13	PASS
Band2	9400	5	4.63	13	PASS
Band2	9538	1	4.43	13	PASS
Band2	9538	2	5.53	13	PASS
Band2	9538	3	5.1	13	PASS
Band2	9538	4	5.53	13	PASS

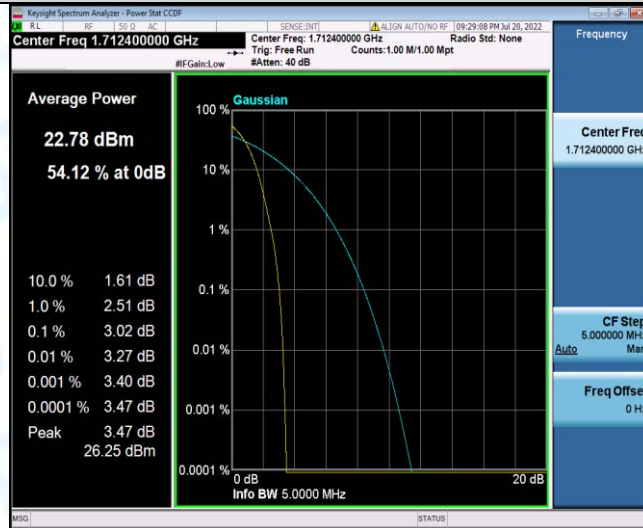
Band2	9538	5	4.58	13	PASS
Band4	1312	1	4.32	13	PASS
Band4	1312	2	5.28	13	PASS
Band4	1312	3	5.21	13	PASS
Band4	1312	4	5.15	13	PASS
Band4	1312	5	4.23	13	PASS
Band4	1413	1	4.31	13	PASS
Band4	1413	2	3.11	13	PASS
Band4	1413	3	3.7	13	PASS
Band4	1413	4	3.11	13	PASS
Band4	1413	5	4.18	13	PASS
Band4	1513	1	4.77	13	PASS
Band4	1513	2	5.53	13	PASS
Band4	1513	3	5.08	13	PASS
Band4	1513	4	5.53	13	PASS
Band4	1513	5	4.7	13	PASS
Band5	4132	1	4.46	13	PASS
Band5	4132	2	5.39	13	PASS
Band5	4132	3	5.37	13	PASS
Band5	4132	4	5.39	13	PASS
Band5	4132	5	4.32	13	PASS
Band5	4183	1	4.58	13	PASS
Band5	4183	2	5.48	13	PASS
Band5	4183	3	5.04	13	PASS
Band5	4183	4	5.45	13	PASS
Band5	4183	5	4.5	13	PASS
Band5	4233	1	4.48	13	PASS
Band5	4233	2	5.47	13	PASS
Band5	4233	3	5.04	13	PASS
Band5	4233	4	5.45	13	PASS

Band5	4233	5	4.44	13	PASS
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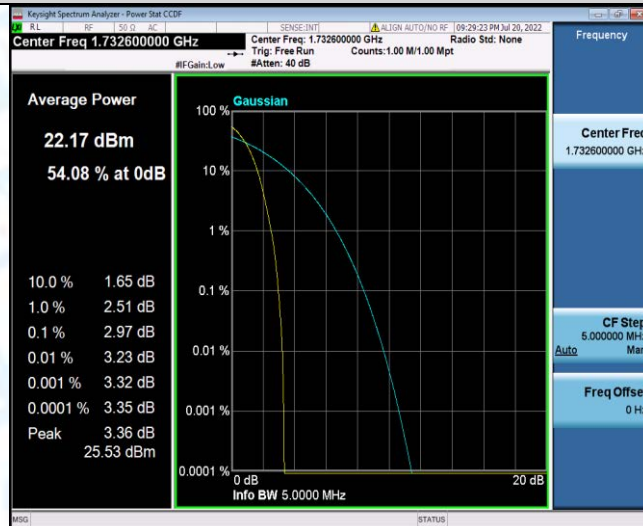
Test Graphs(WCDMA)



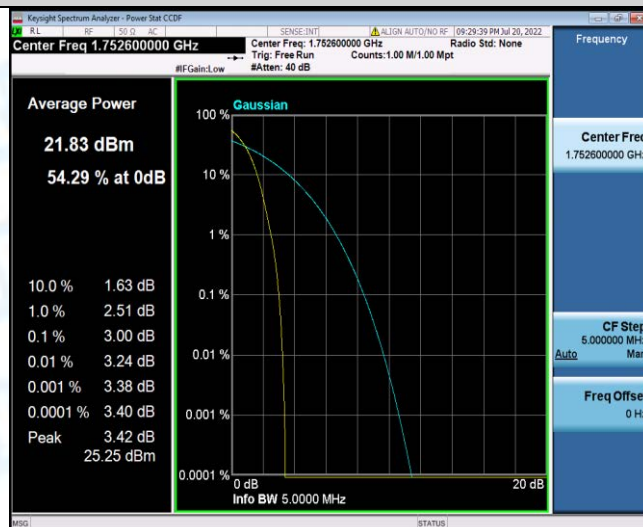
Band4-1312



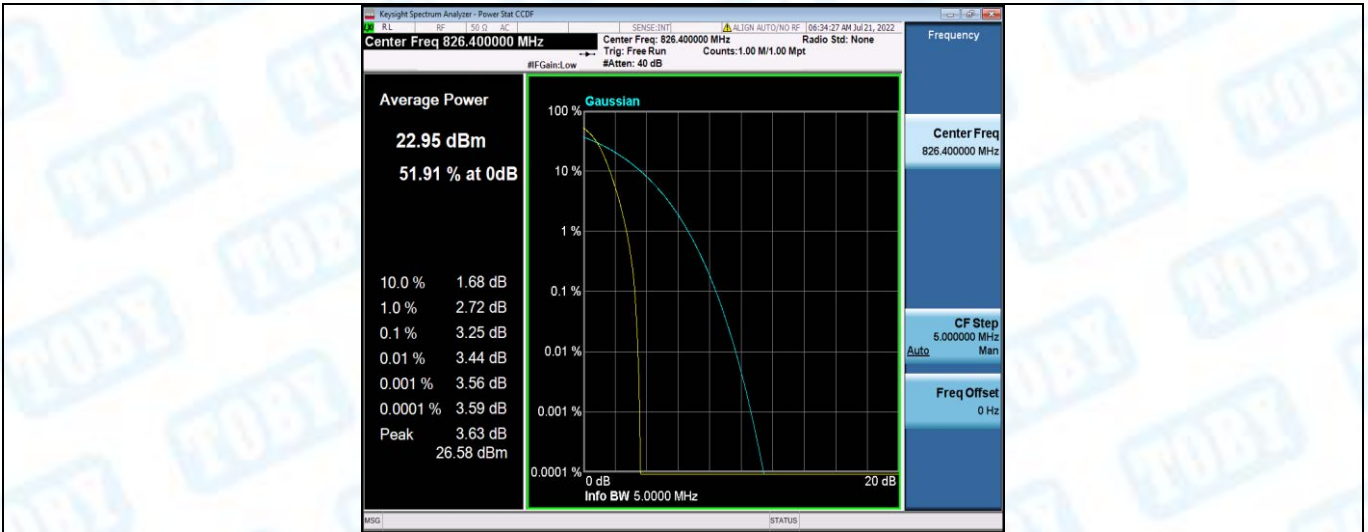
Band4-1413



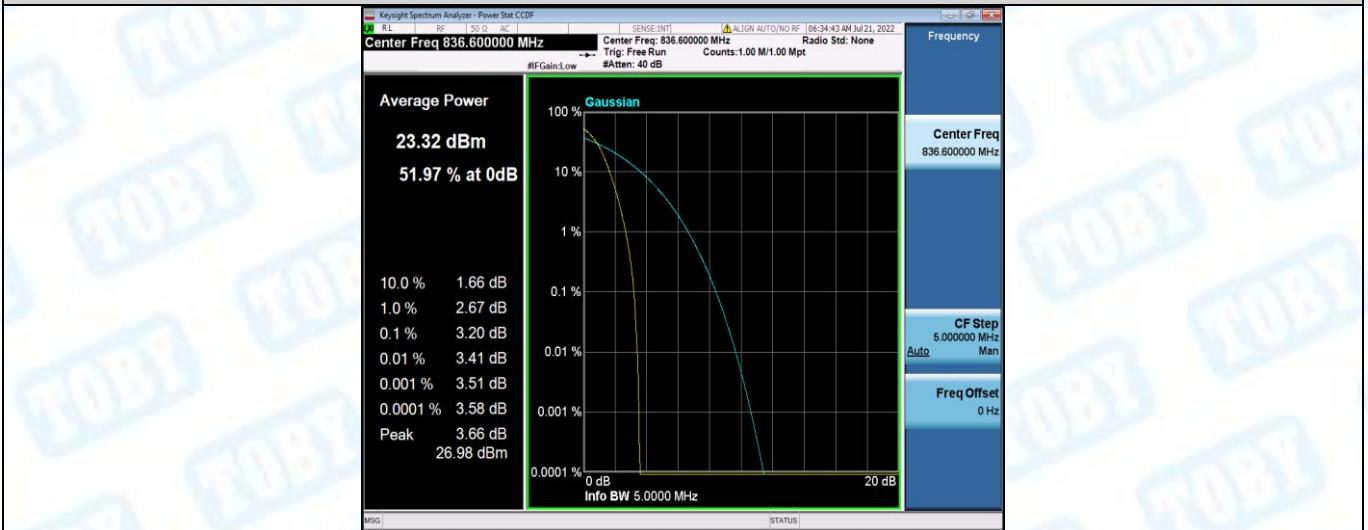
Band4-1513



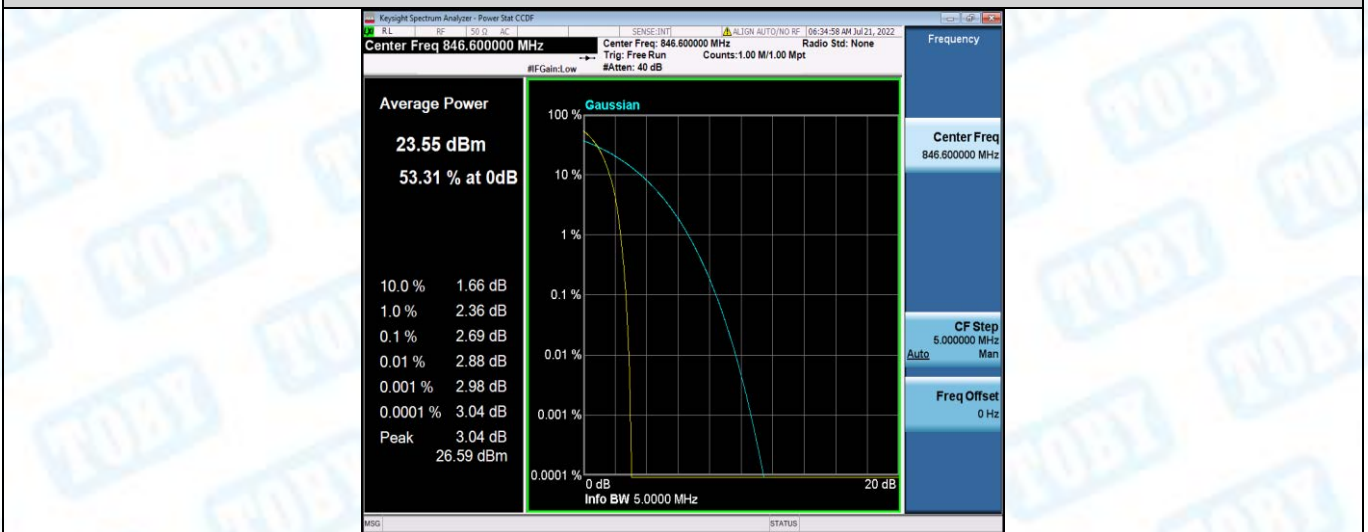
Band5-4132



Band5-4183



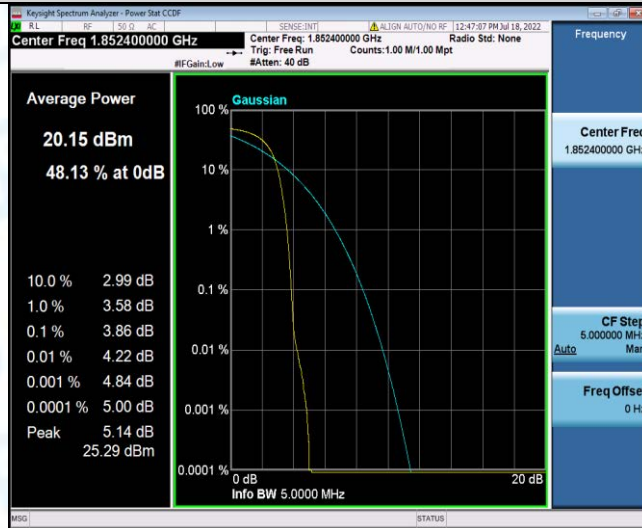
Band5-4233



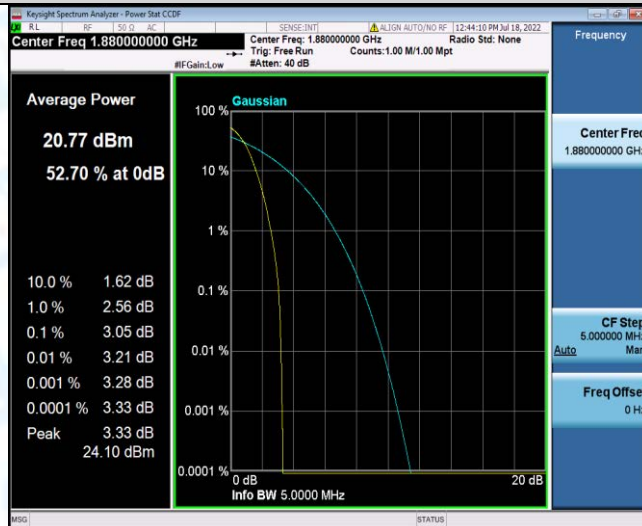
Test Graphs(HSDPA)



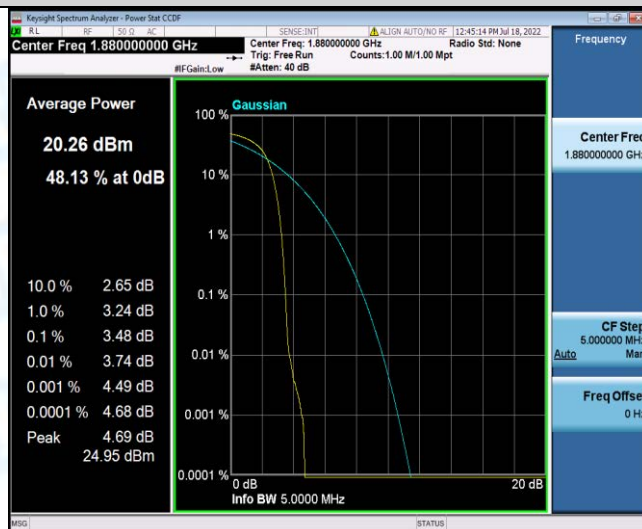
Band2-9262-4



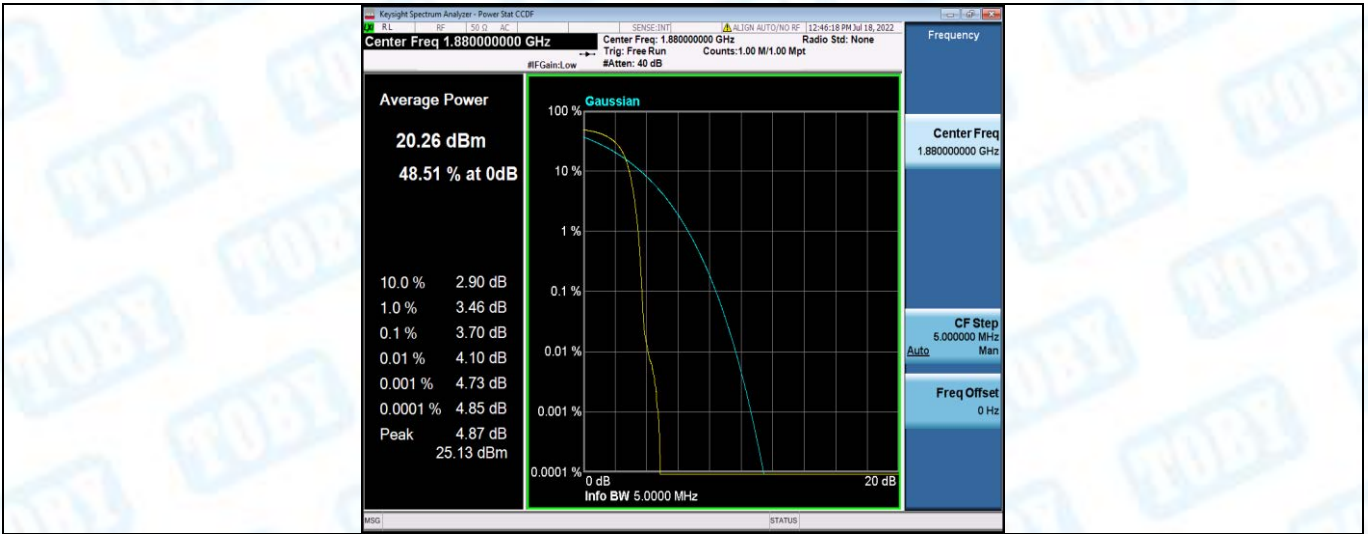
Band2-9400-1



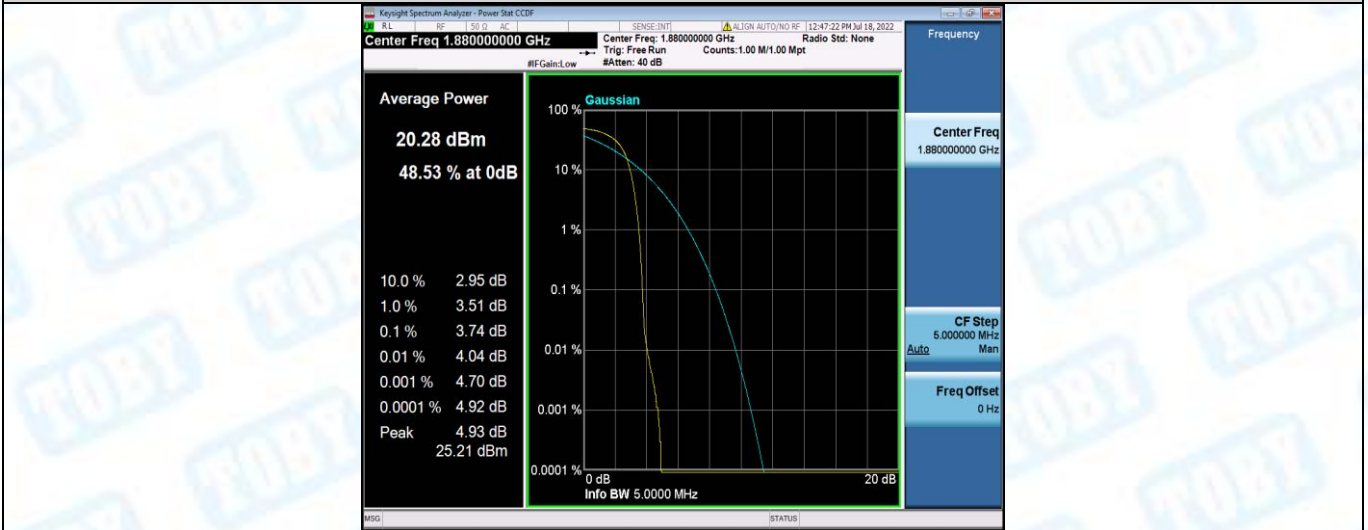
Band2-9400-2



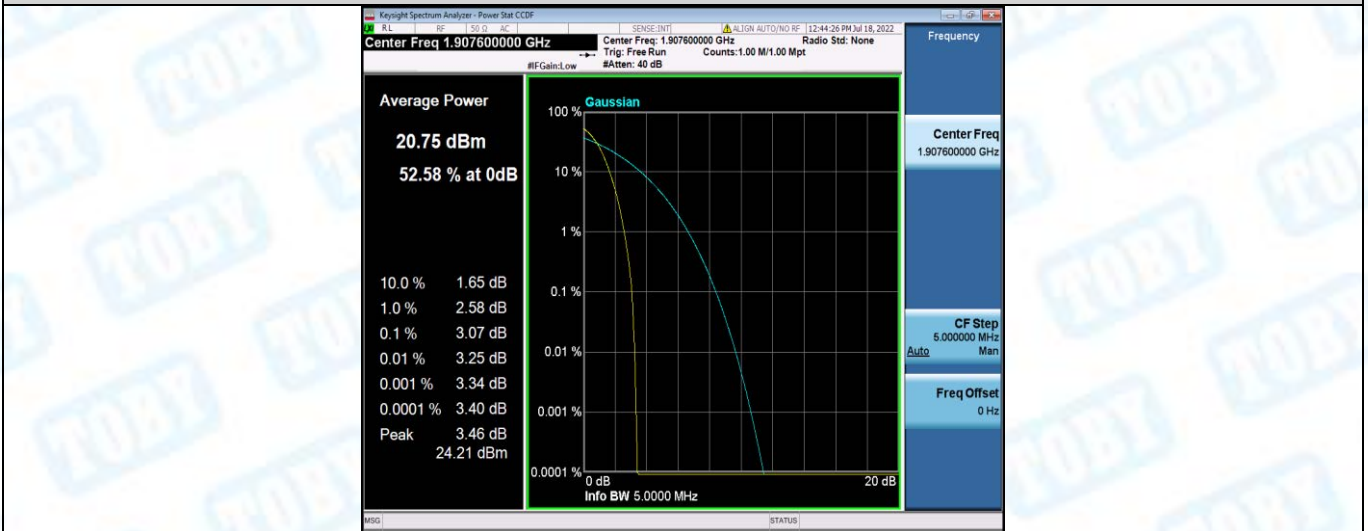
Band2-9400-3



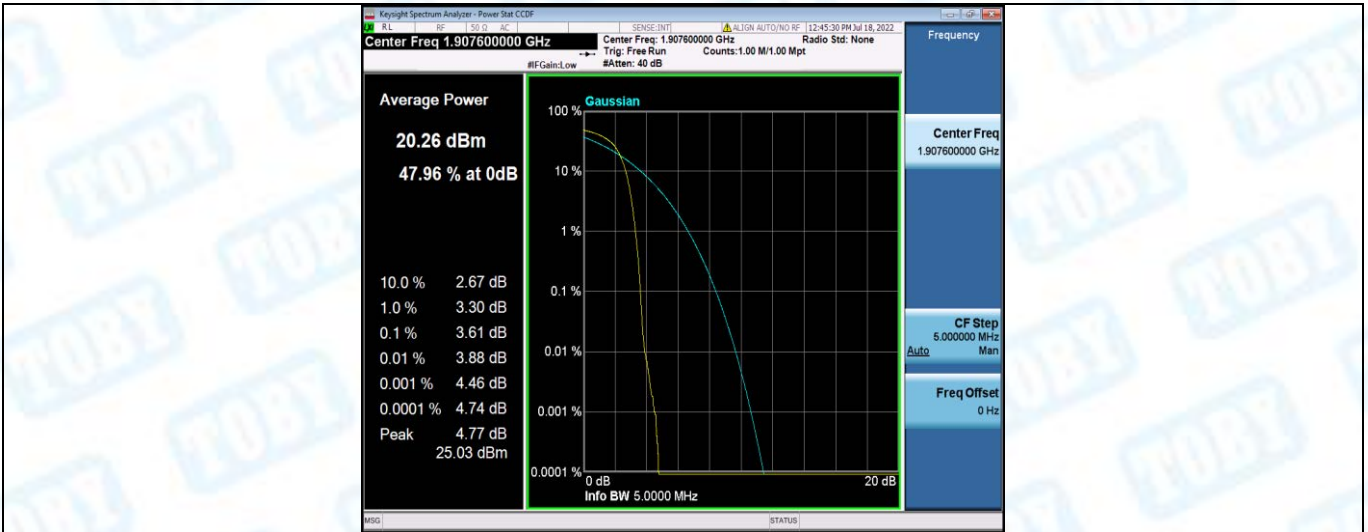
Band2-9400-4



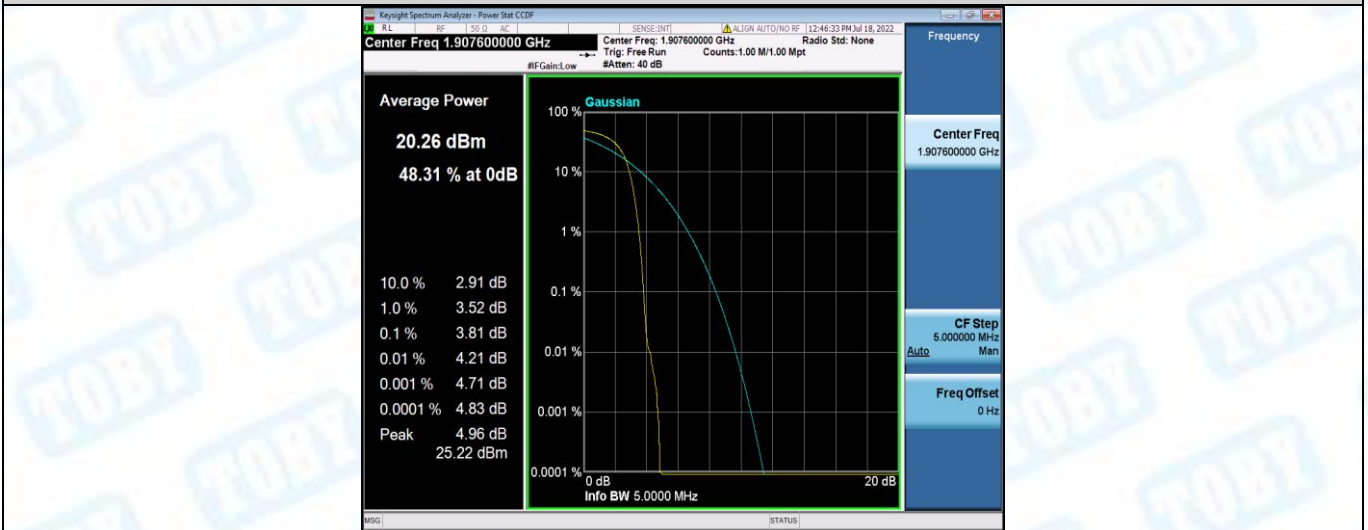
Band2-9538-1



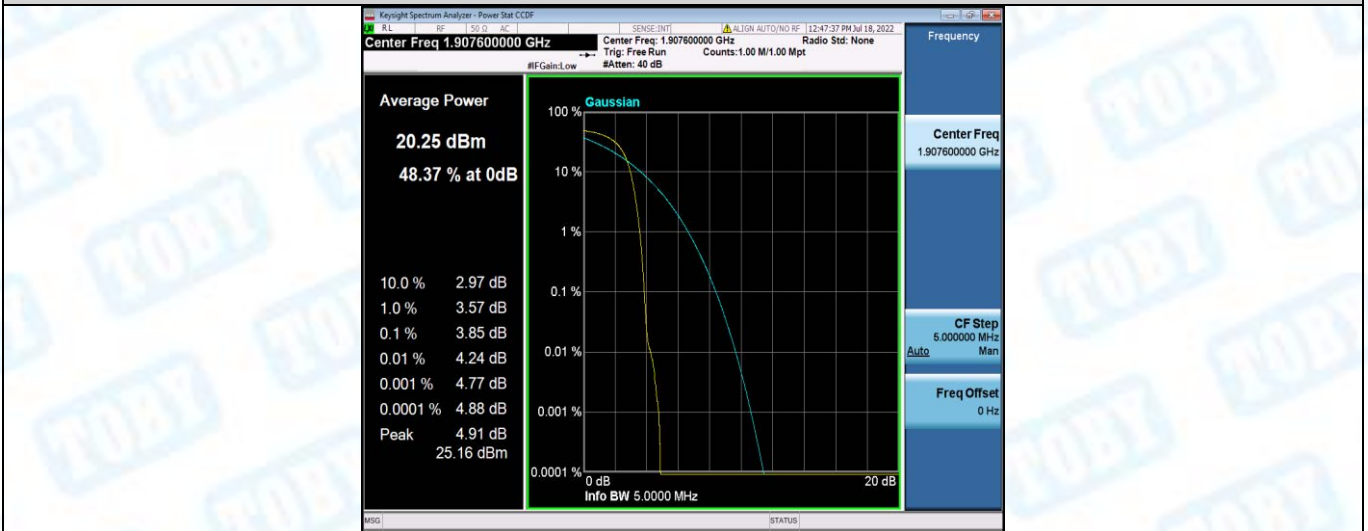
Band2-9538-2



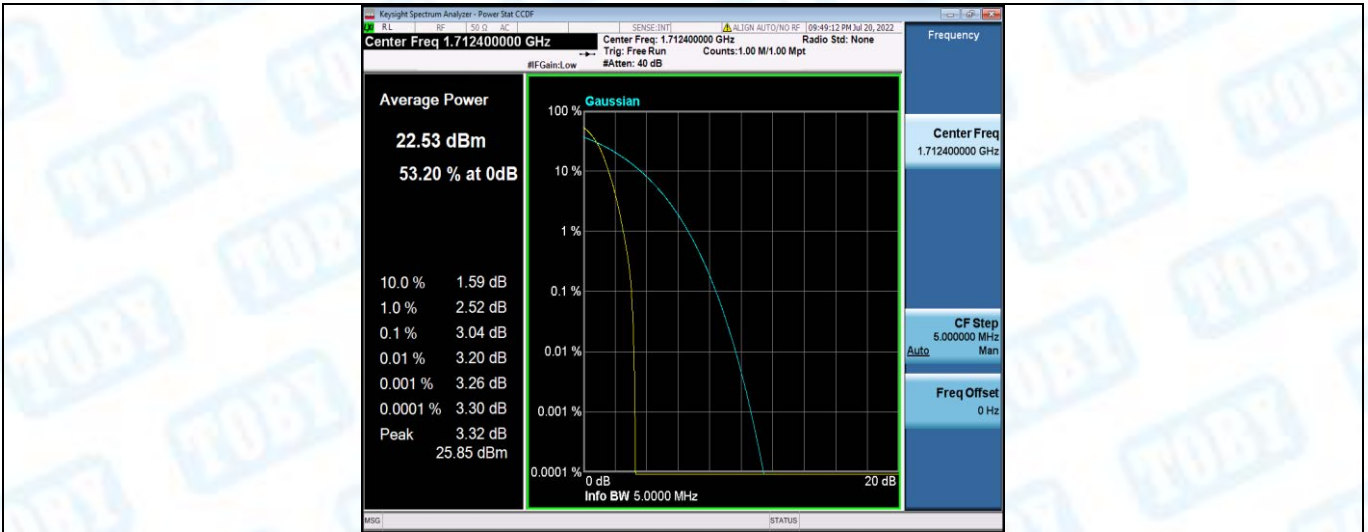
Band2-9538-3



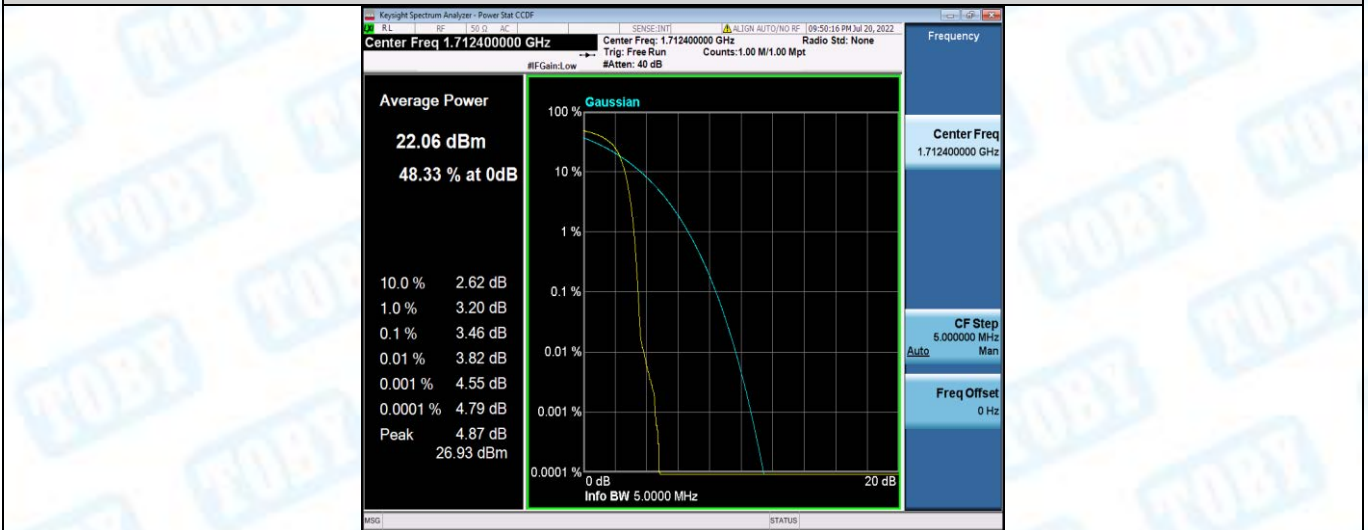
Band2-9538-4



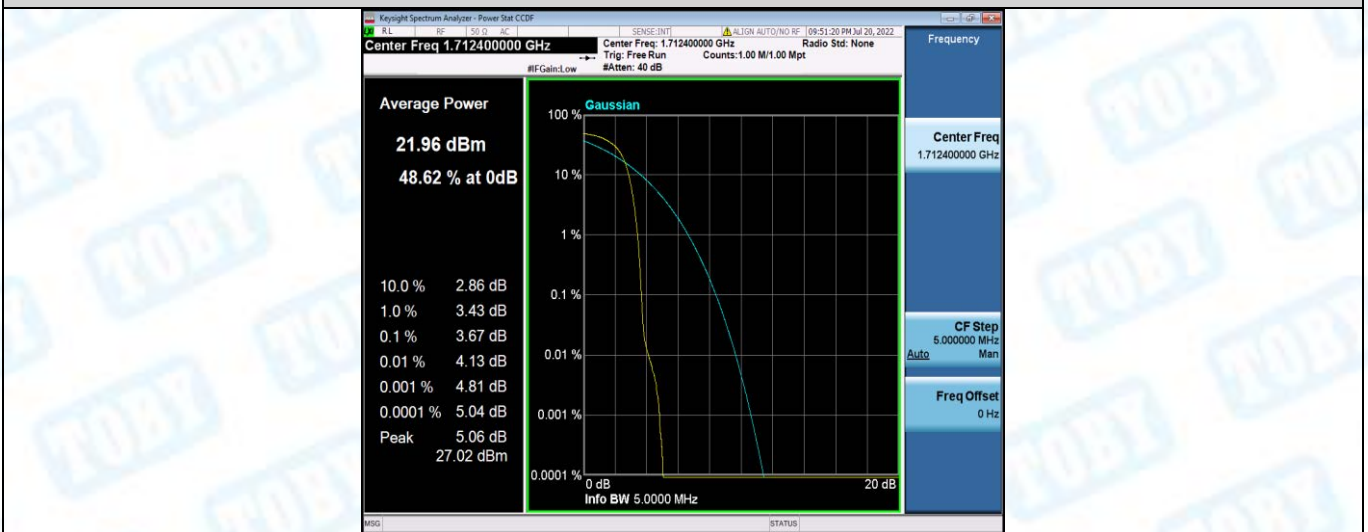
Band4-1312-1



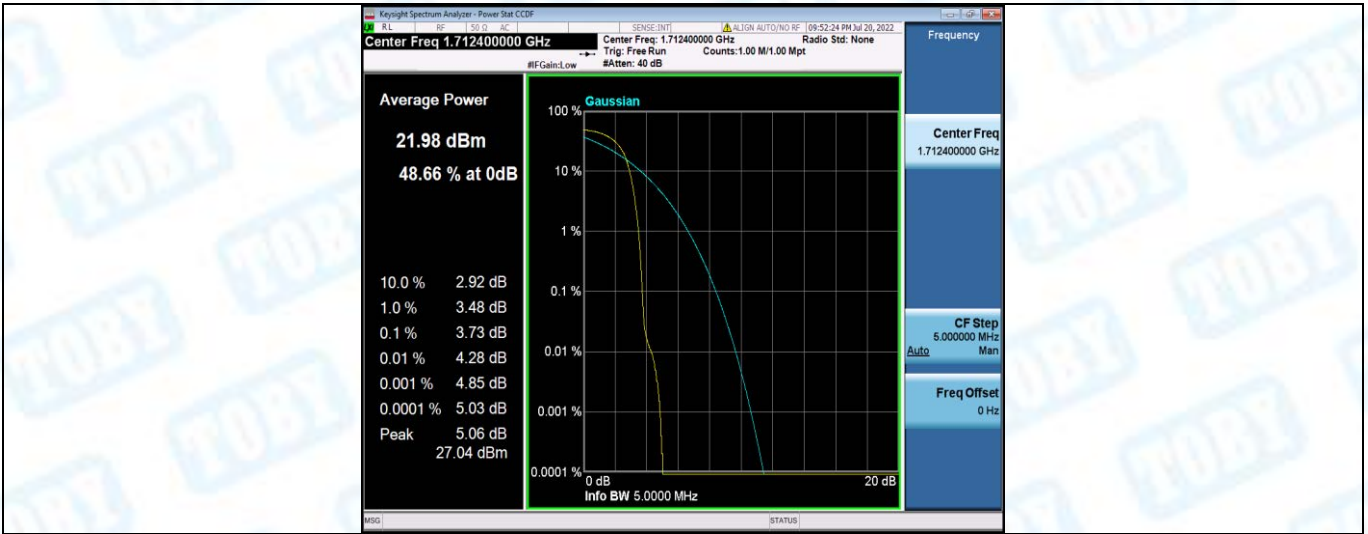
Band4-1312-2



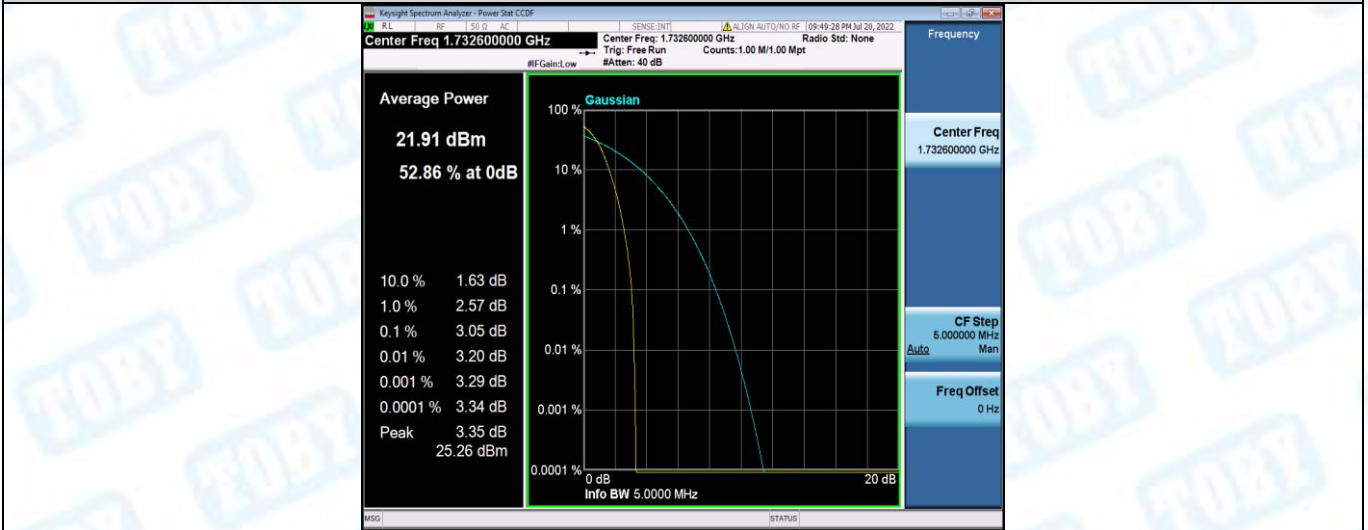
Band4-1312-3



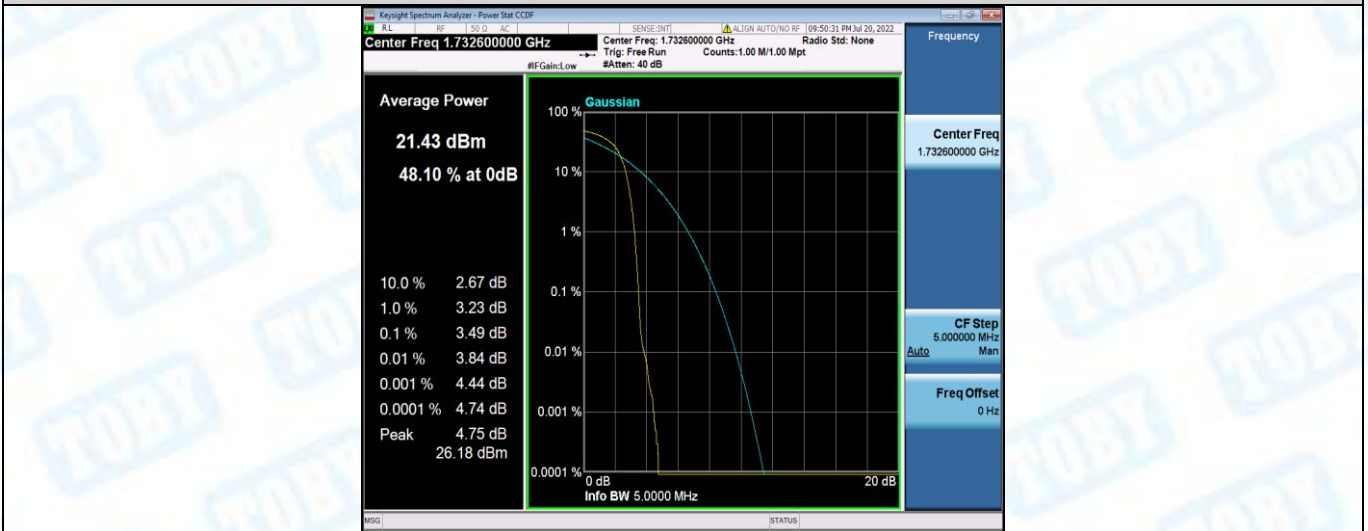
Band4-1312-4



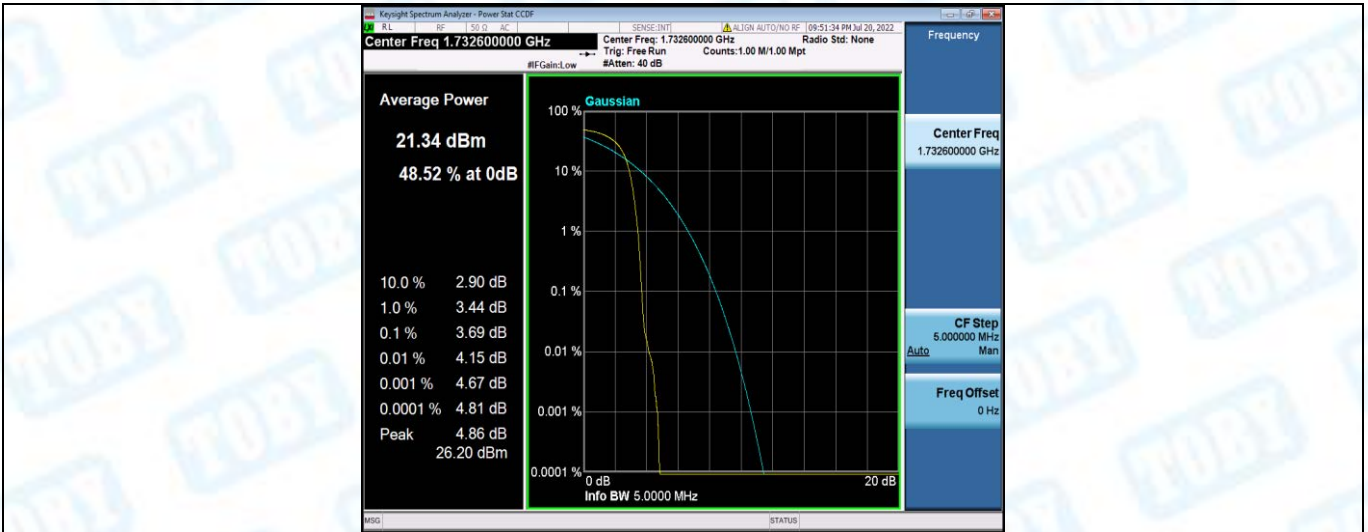
Band4-1413-1



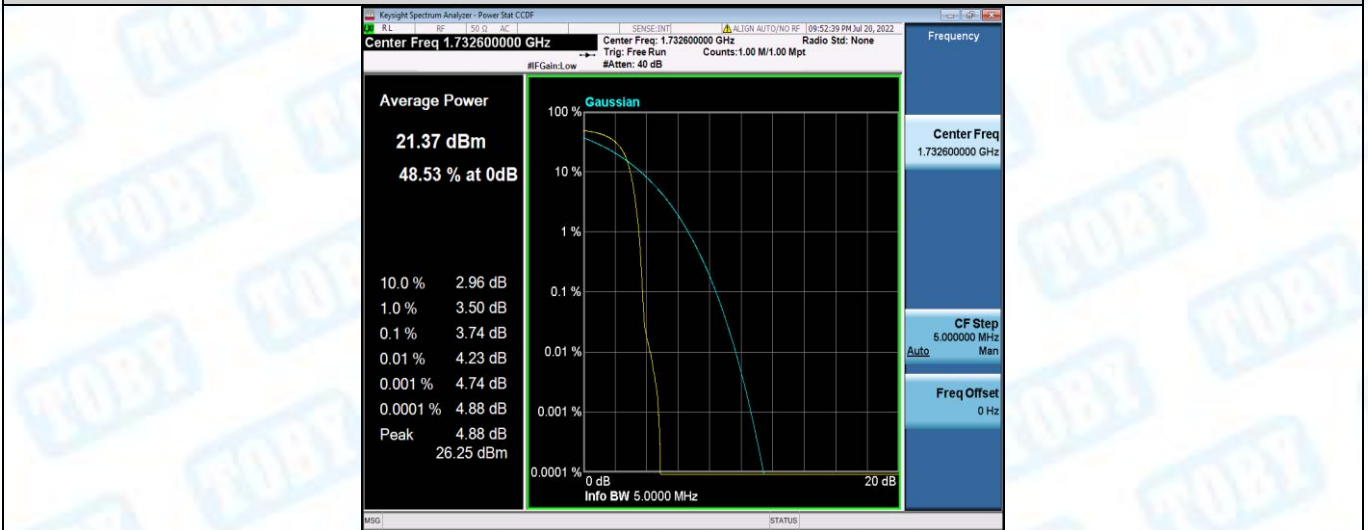
Band4-1413-2



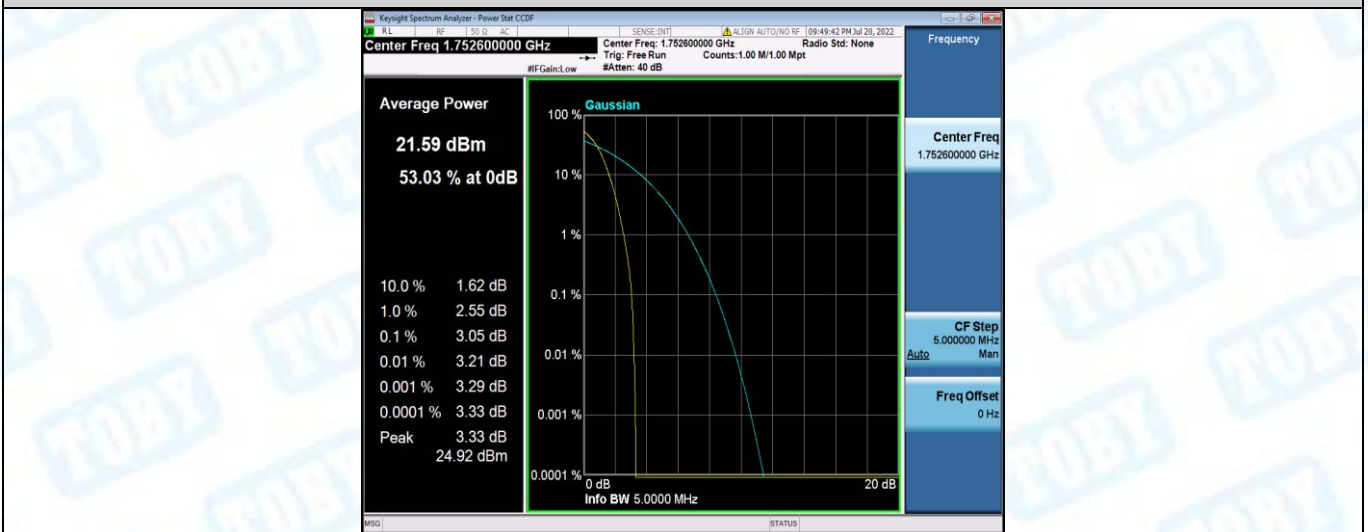
Band4-1413-3



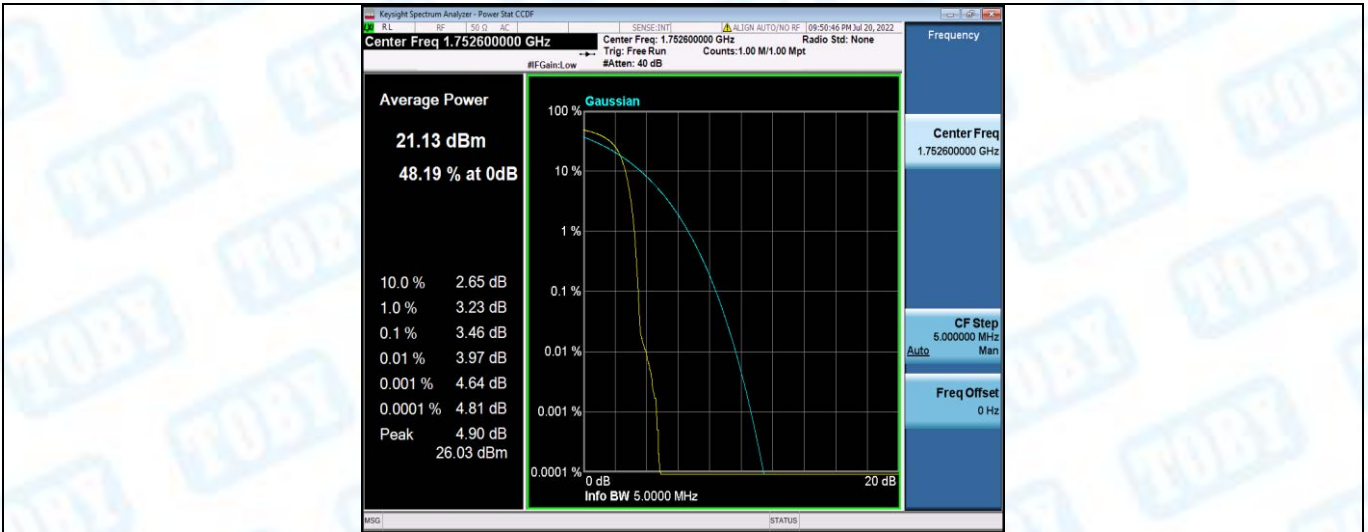
Band4-1413-4



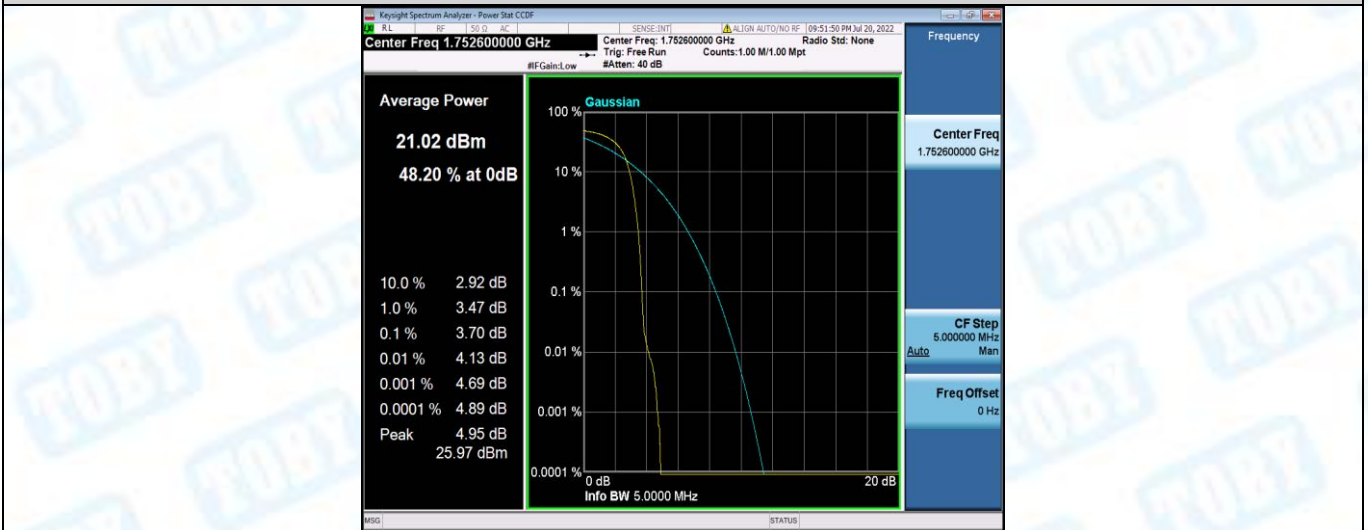
Band4-1513-1



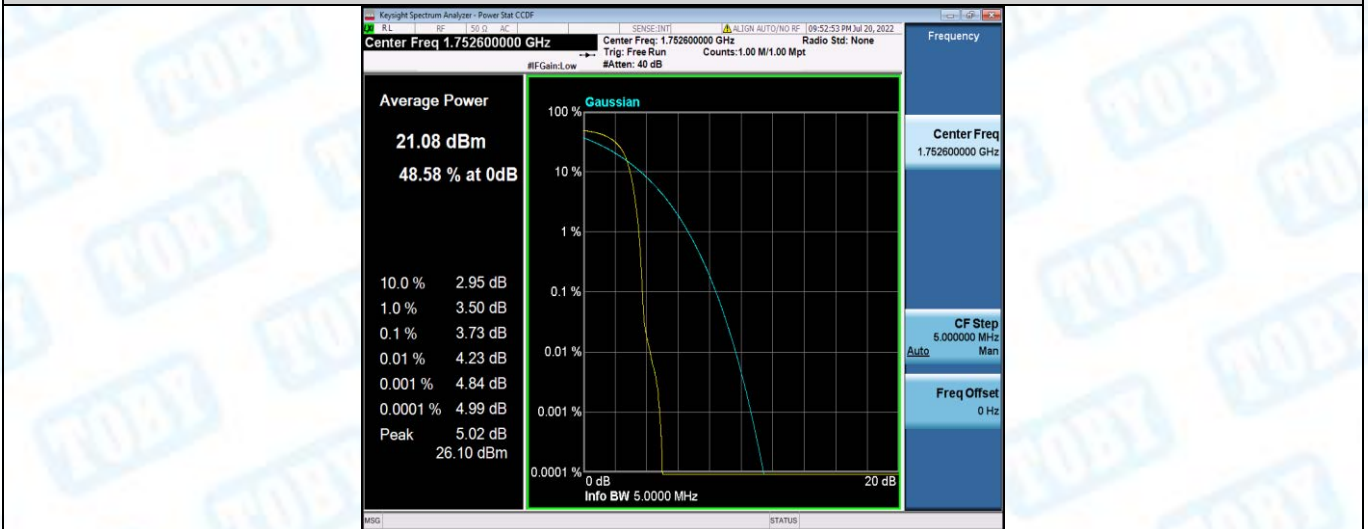
Band4-1513-2



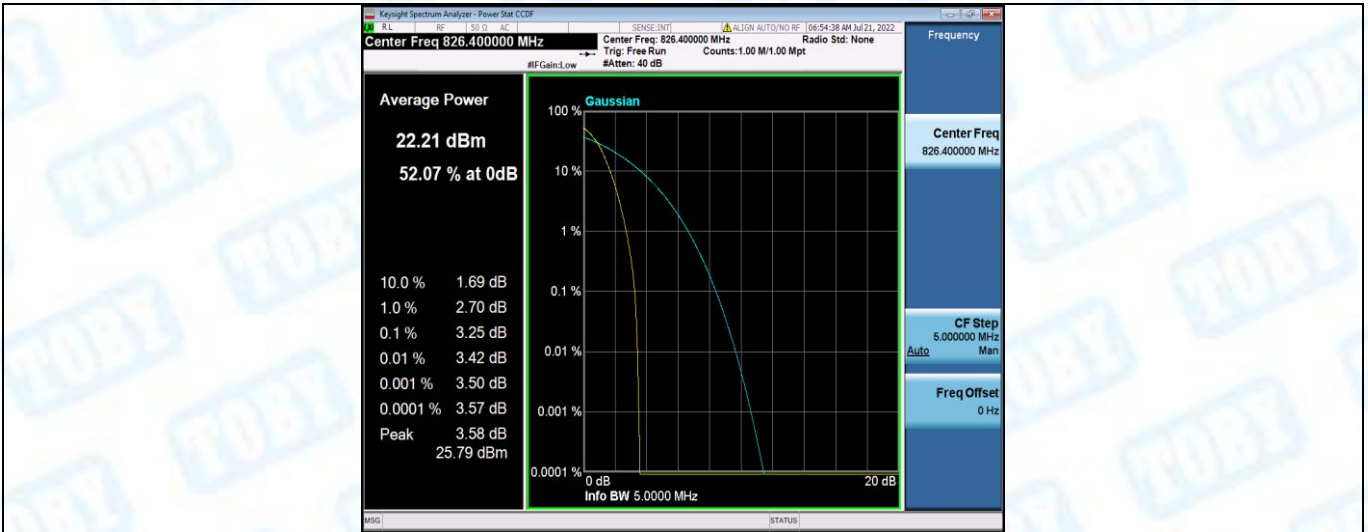
Band4-1513-3



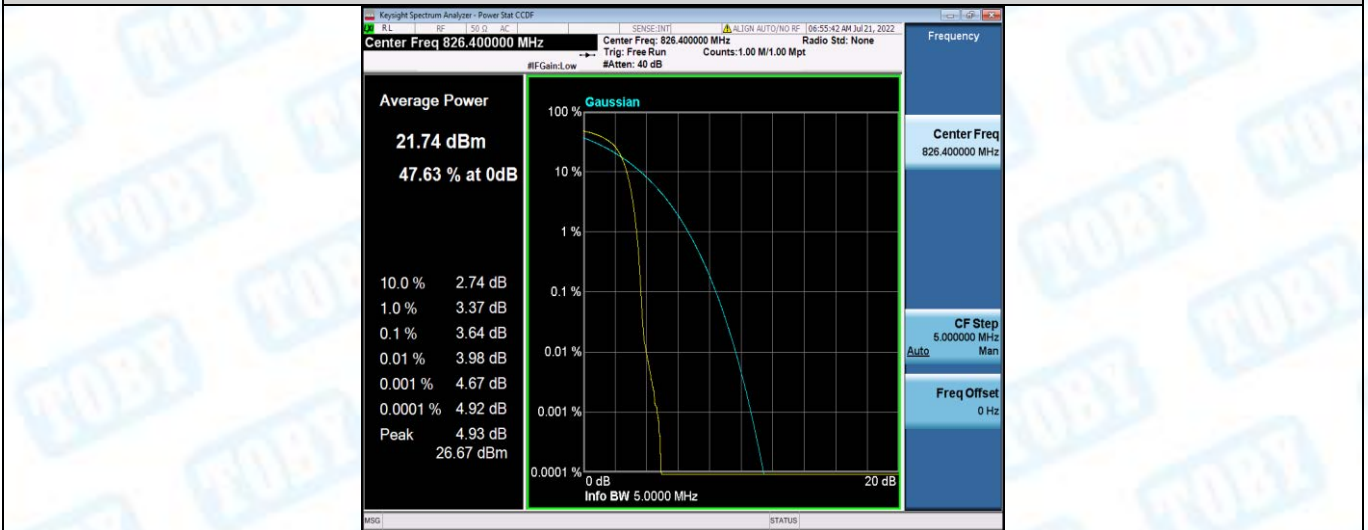
Band4-1513-4



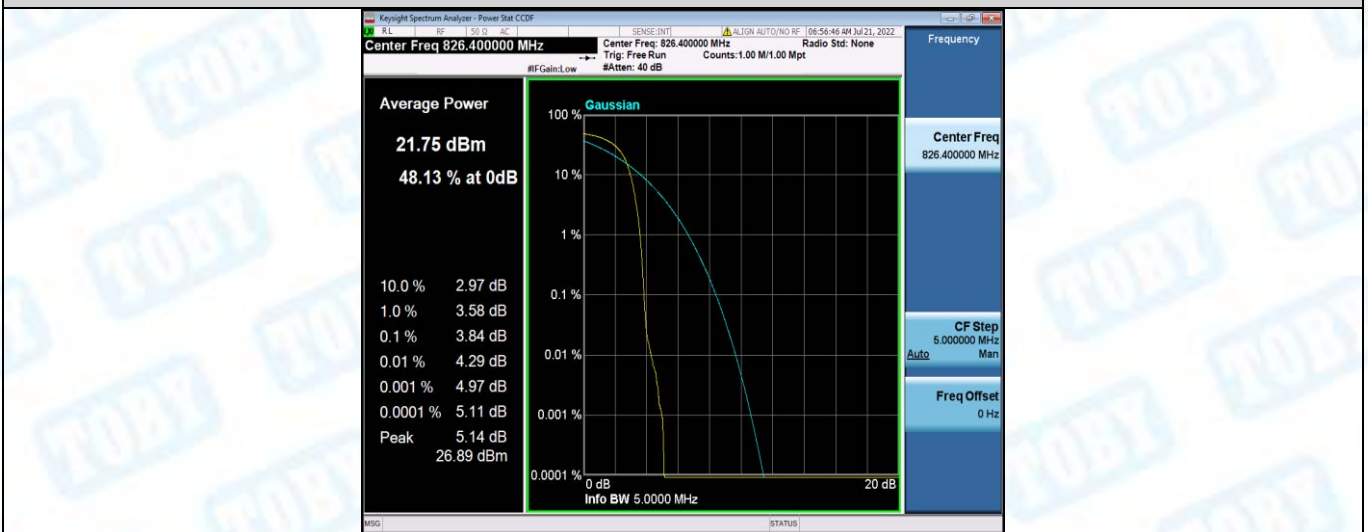
Band5-4132-1



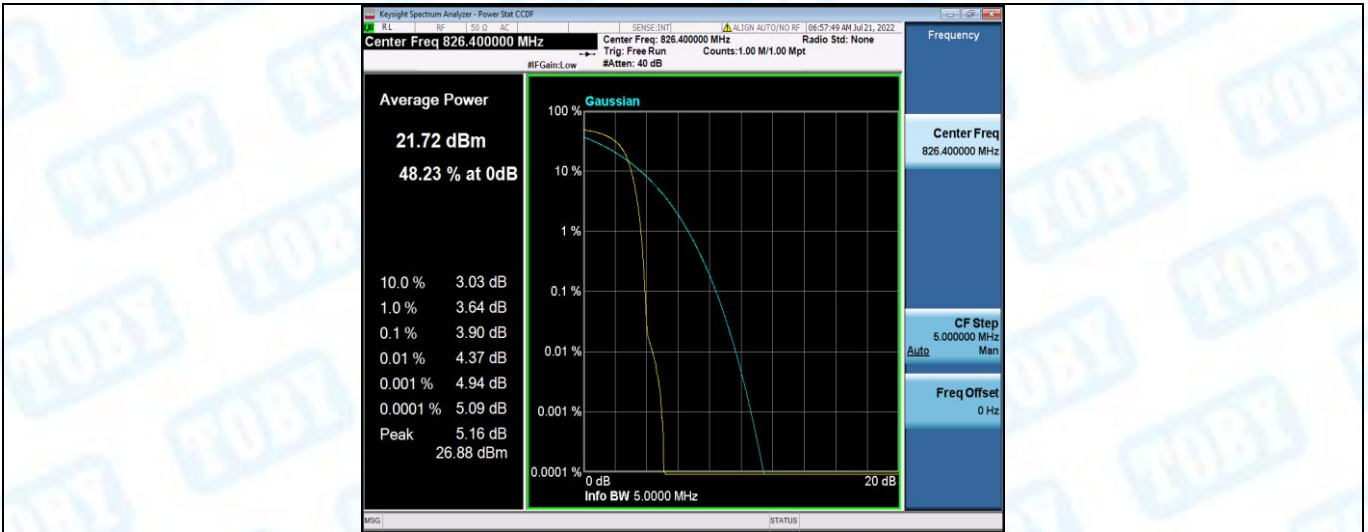
Band5-4132-2



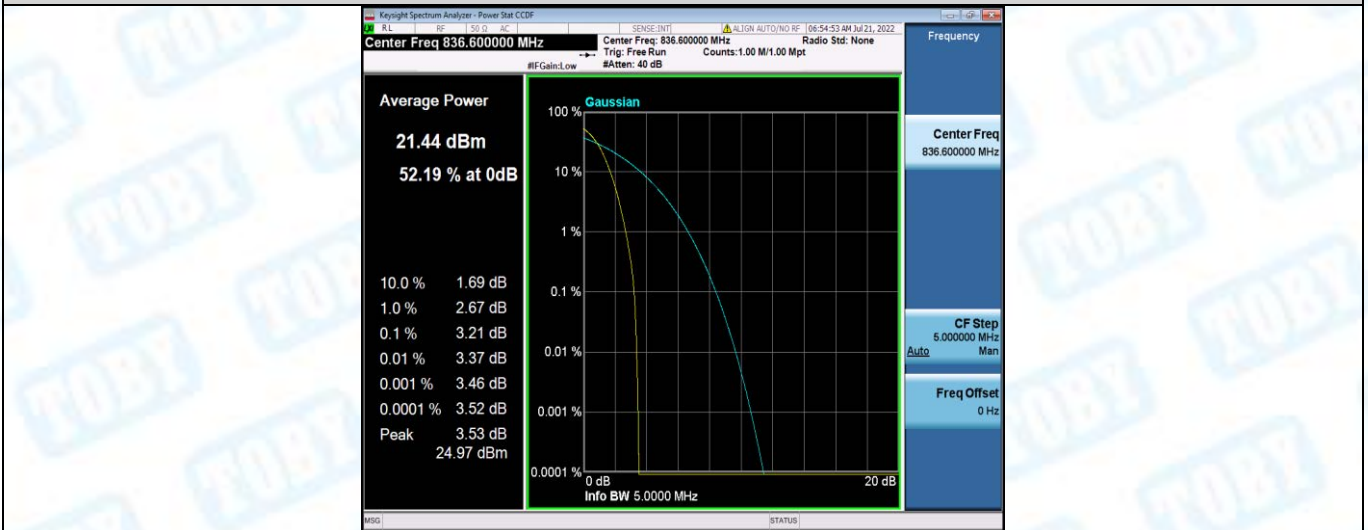
Band5-4132-3



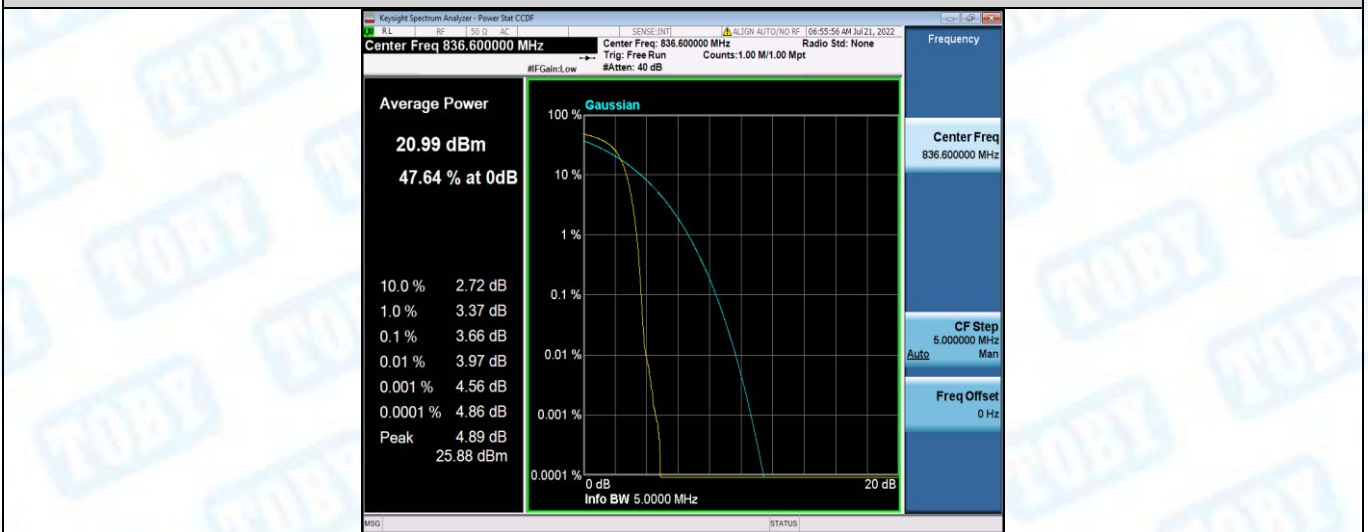
Band5-4132-4



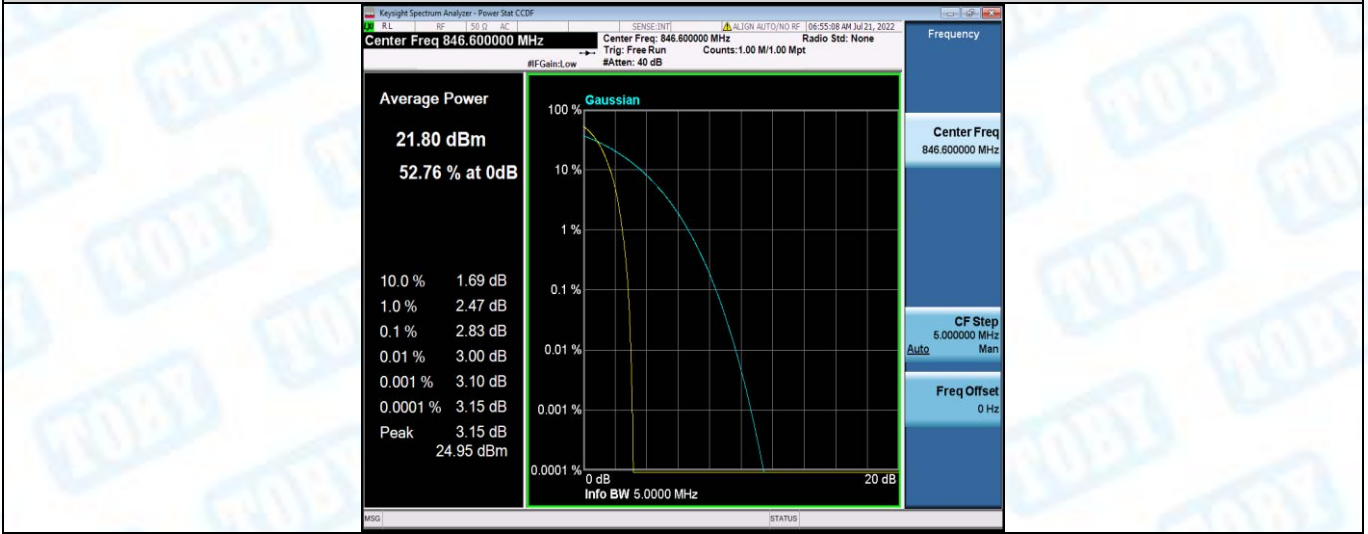
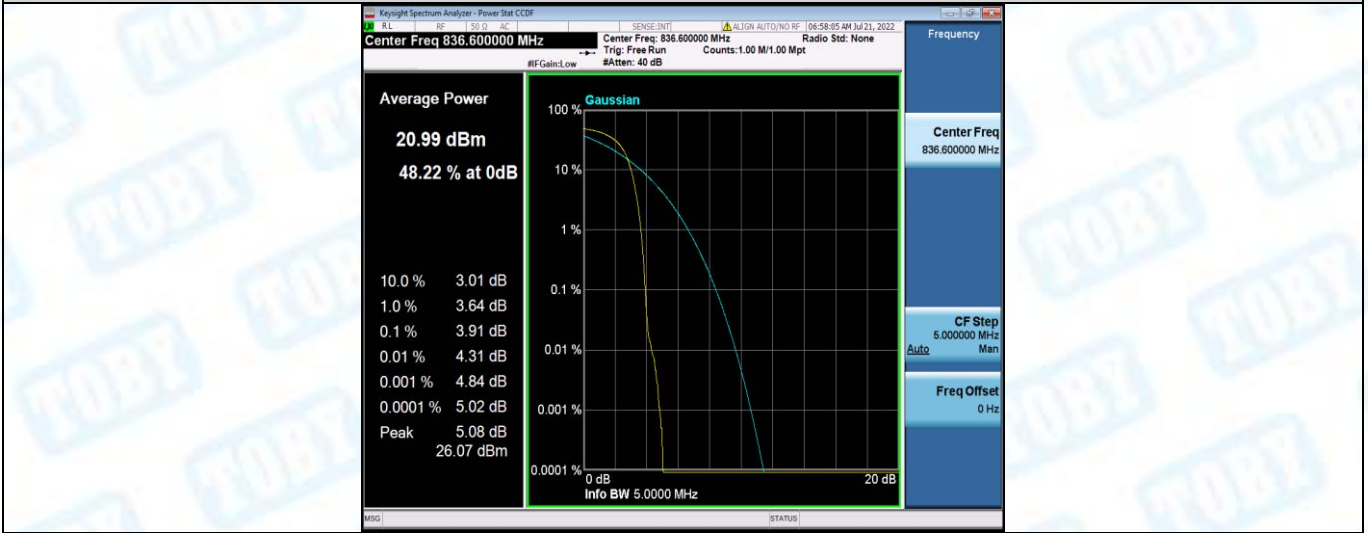
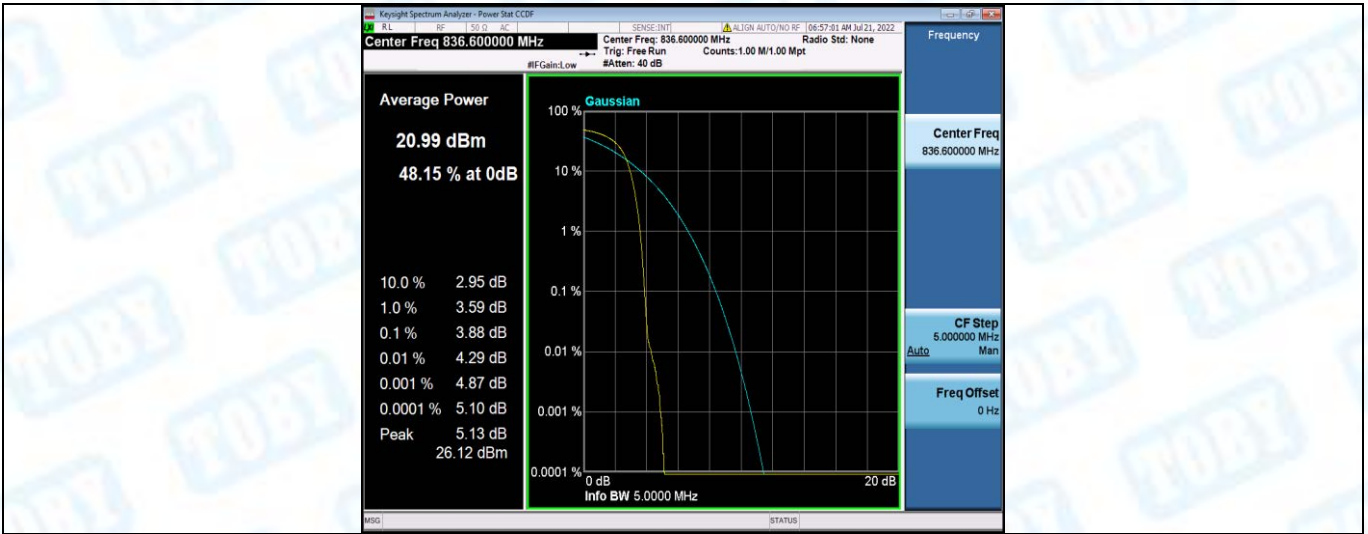
Band5-4183-1

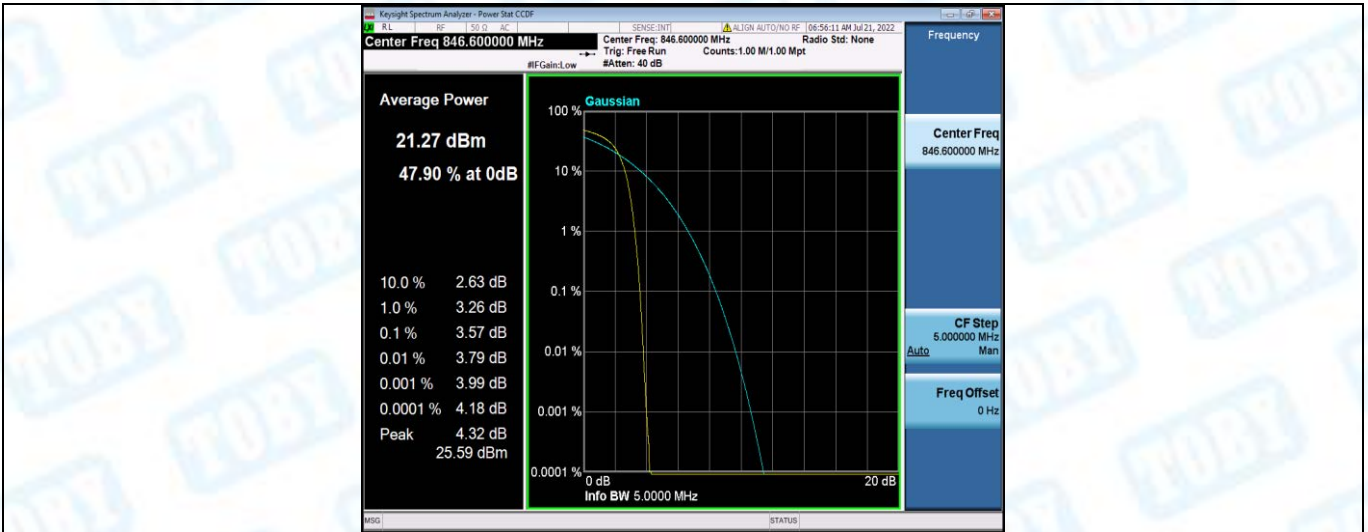


Band5-4183-2

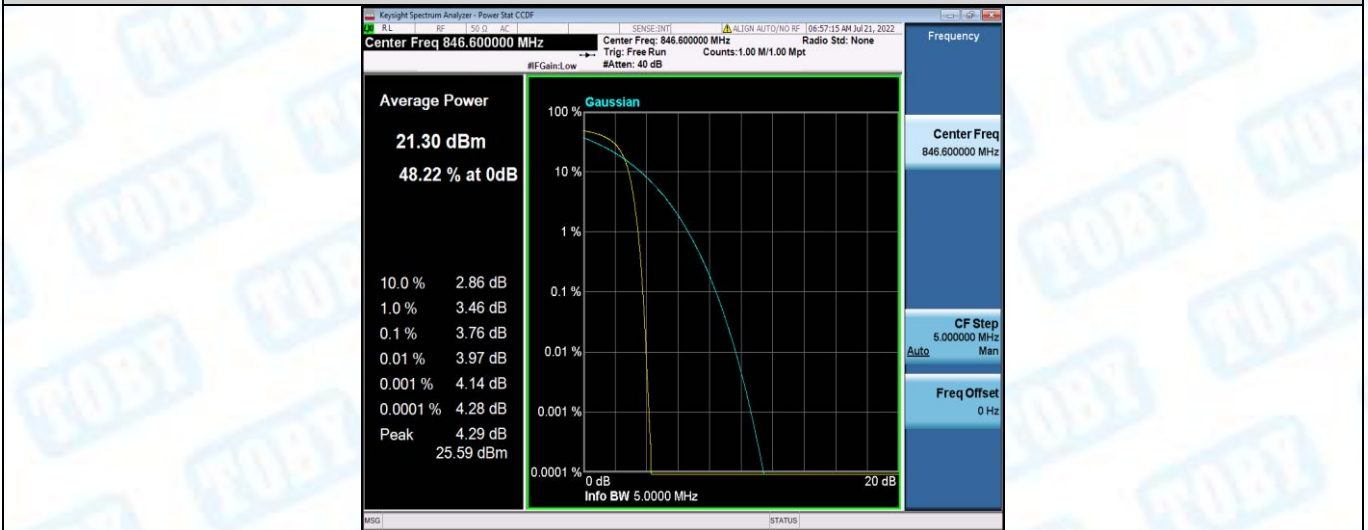


Band5-4183-3

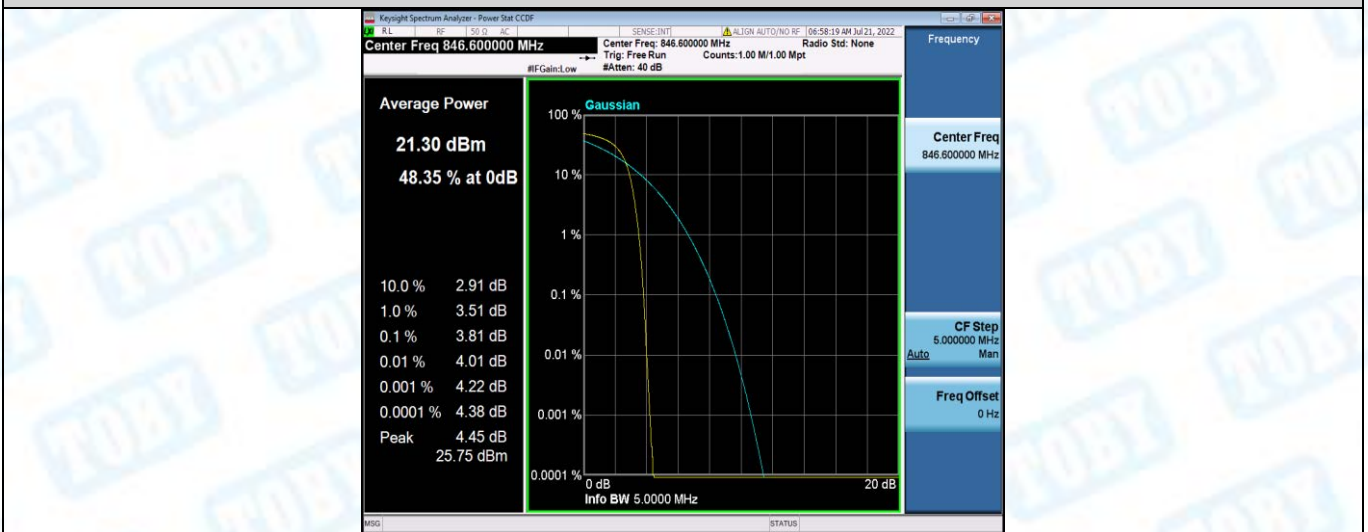




Band5-4233-3



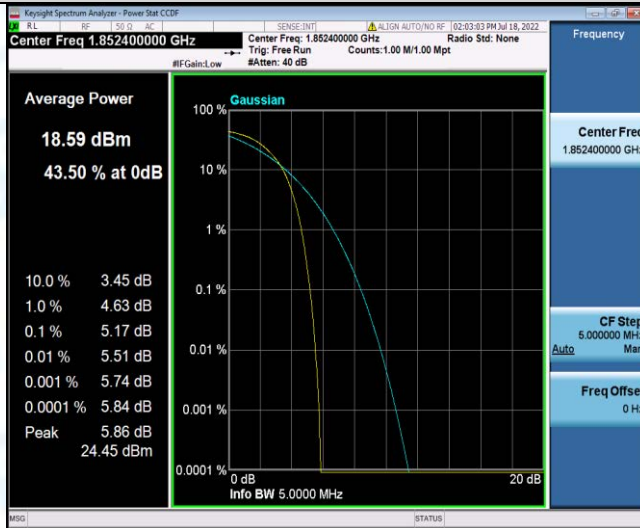
Band5-4233-4



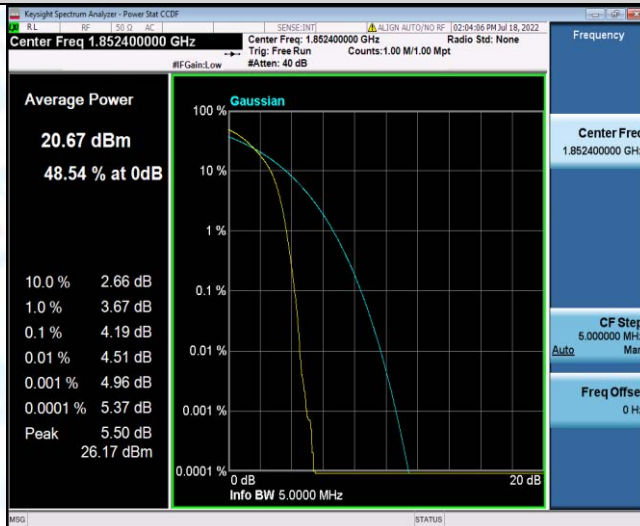
Test Graphs(HSUPA)



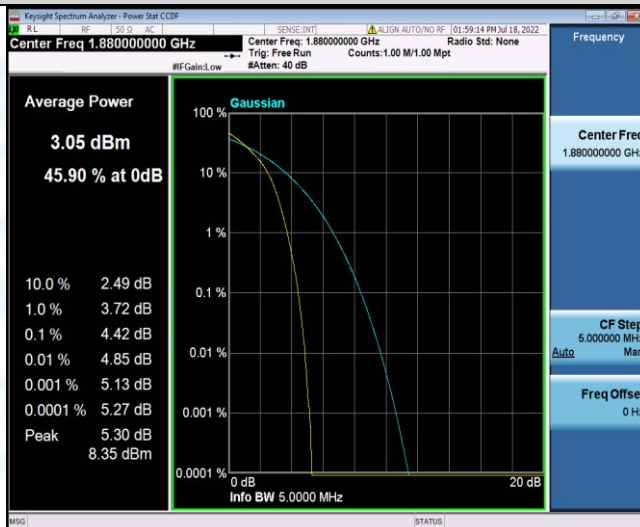
Band2-9262-4



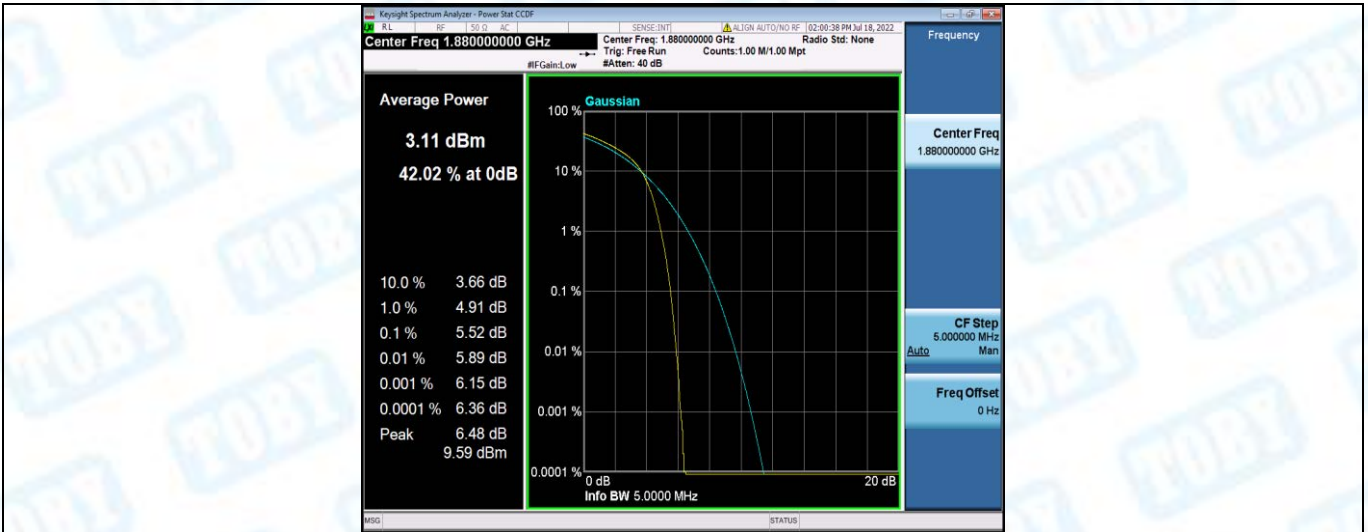
Band2-9262-5



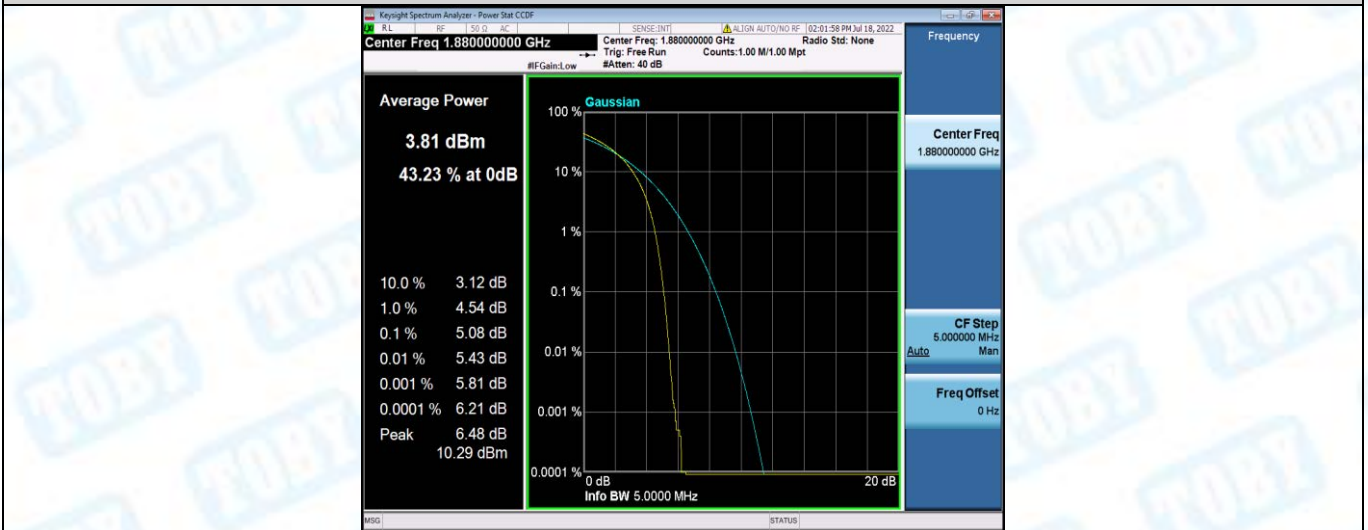
Band2-9400-1



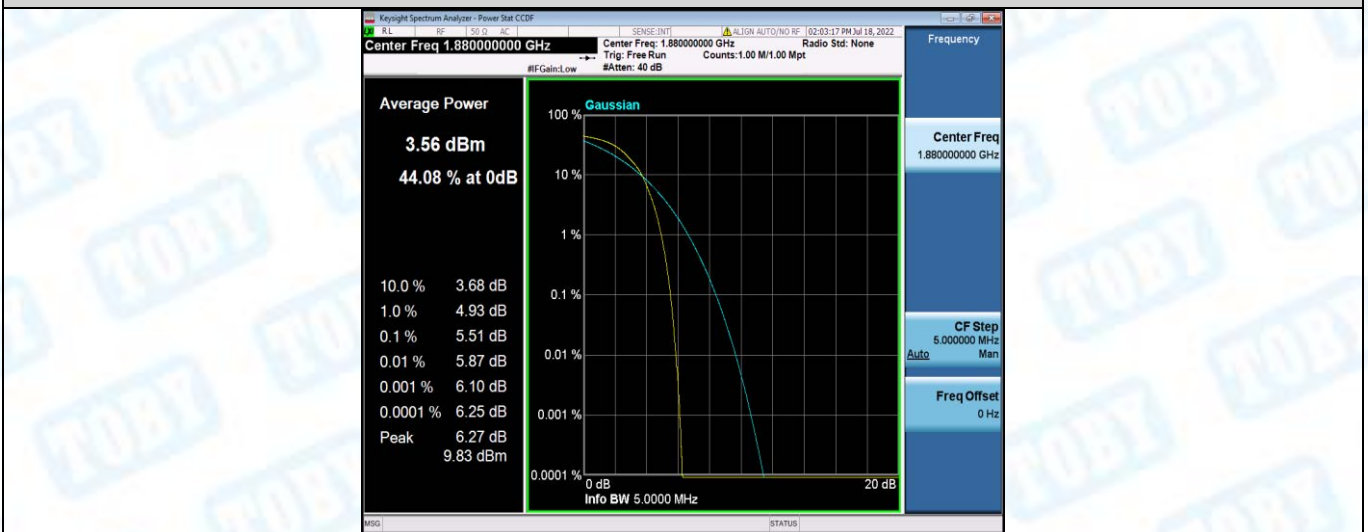
Band2-9400-2



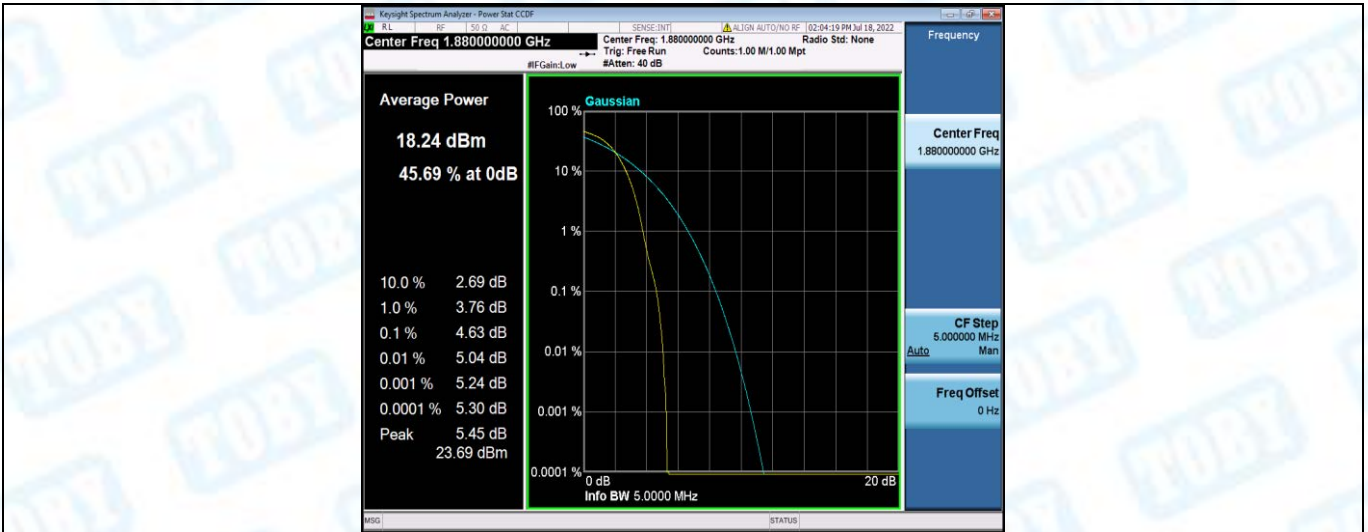
Band2-9400-3



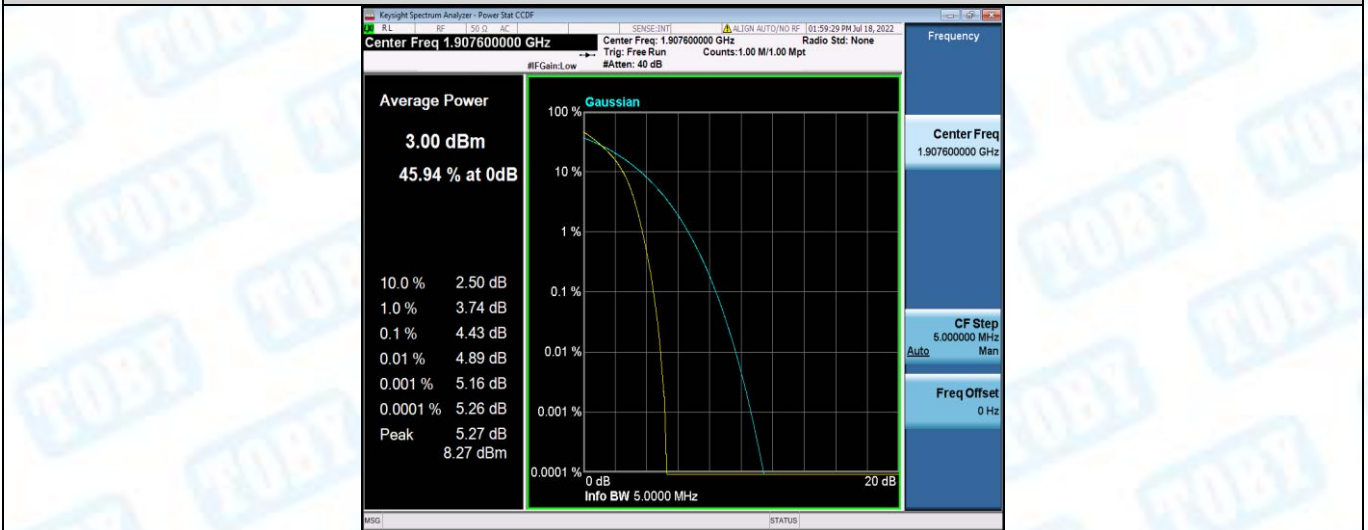
Band2-9400-4



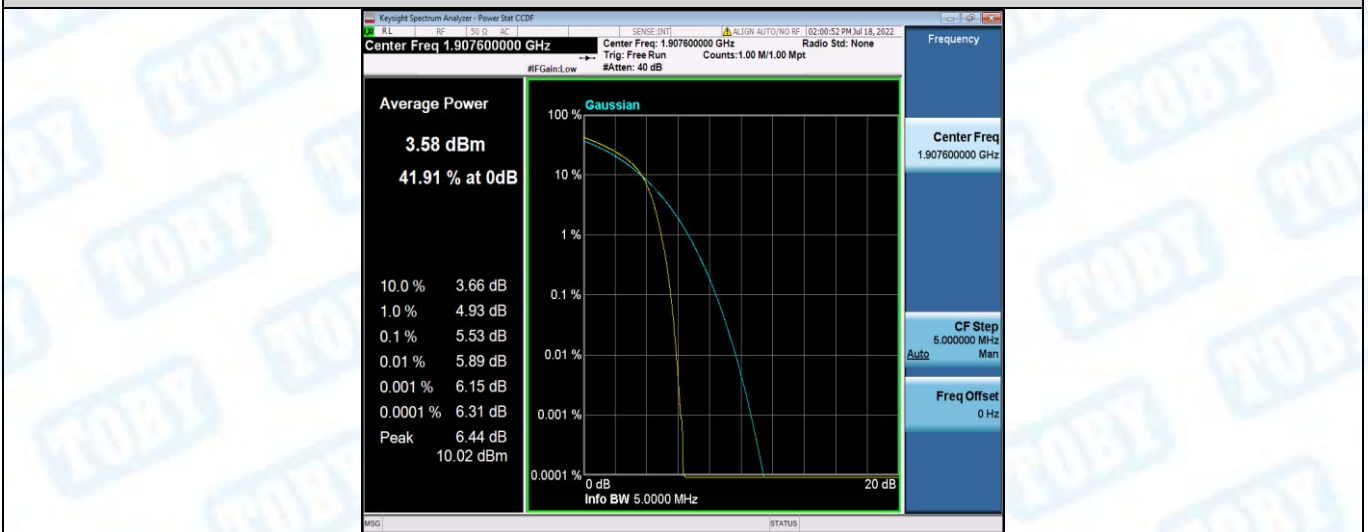
Band2-9400-5



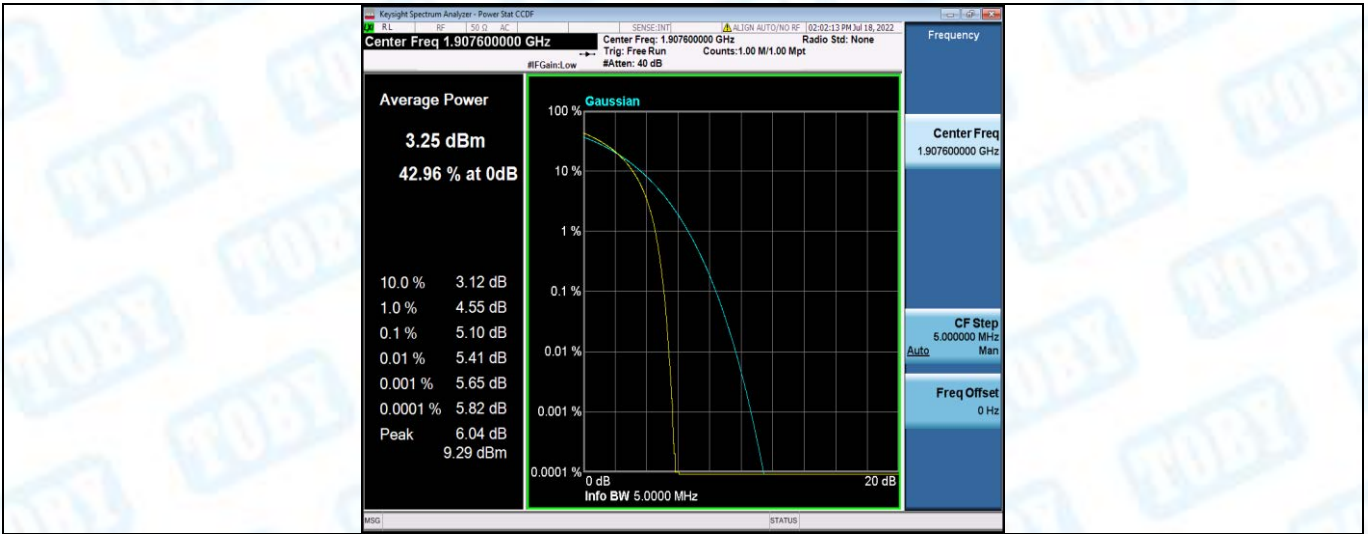
Band2-9538-1



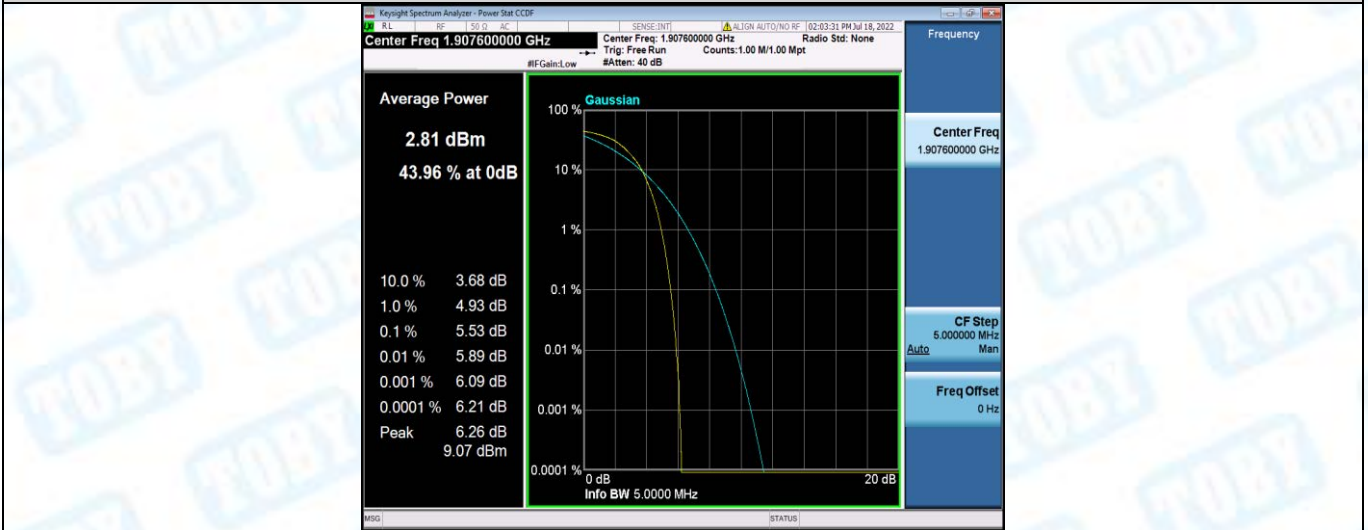
Band2-9538-2



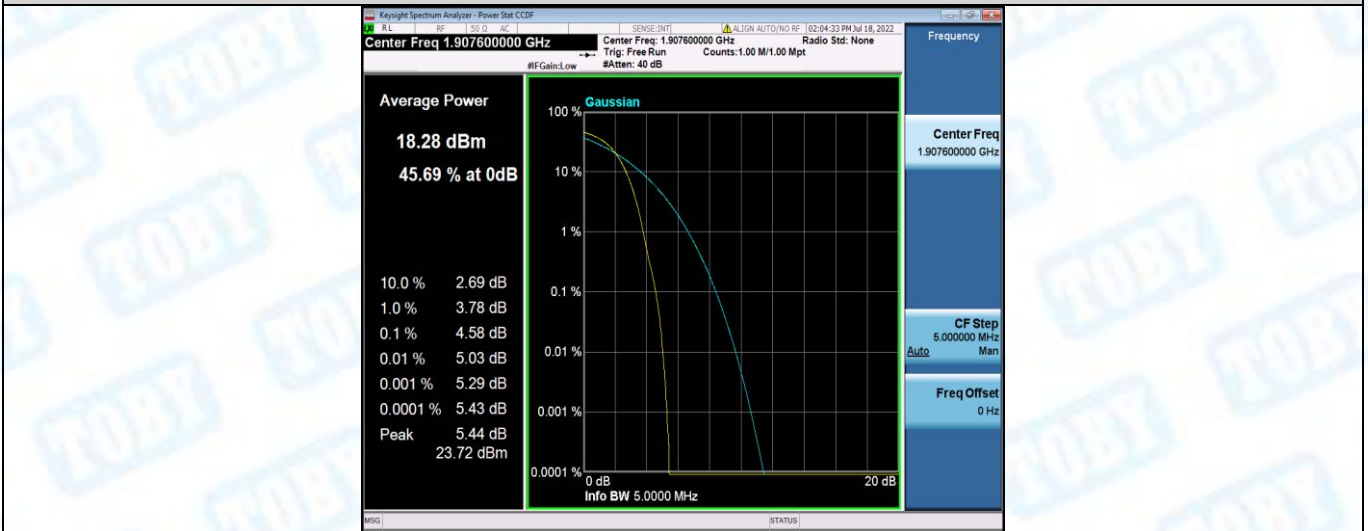
Band2-9538-3



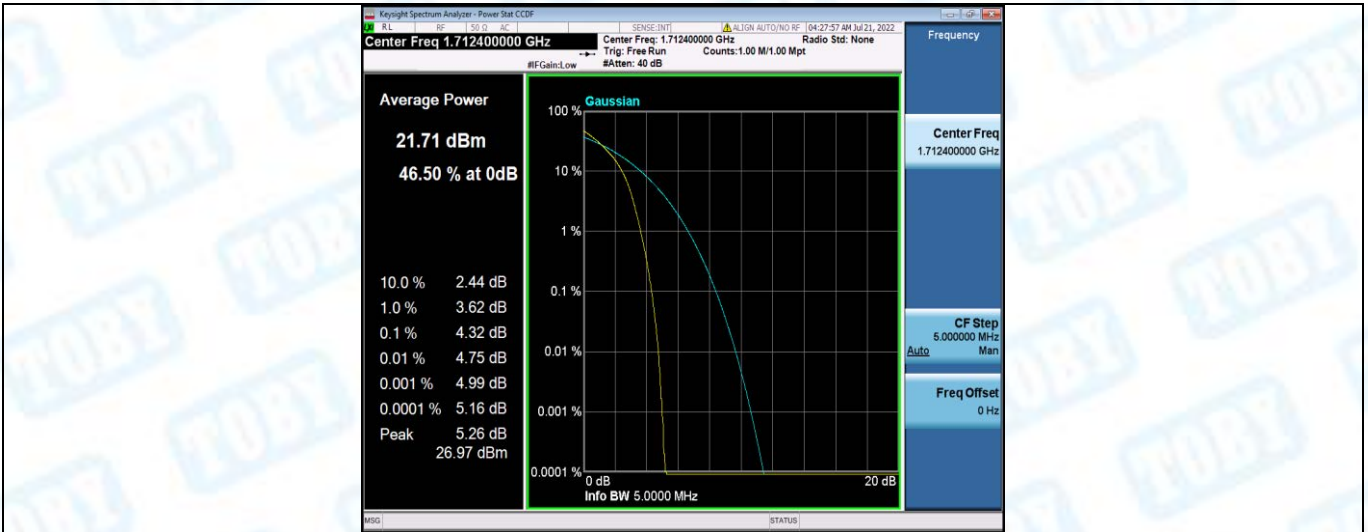
Band2-9538-4



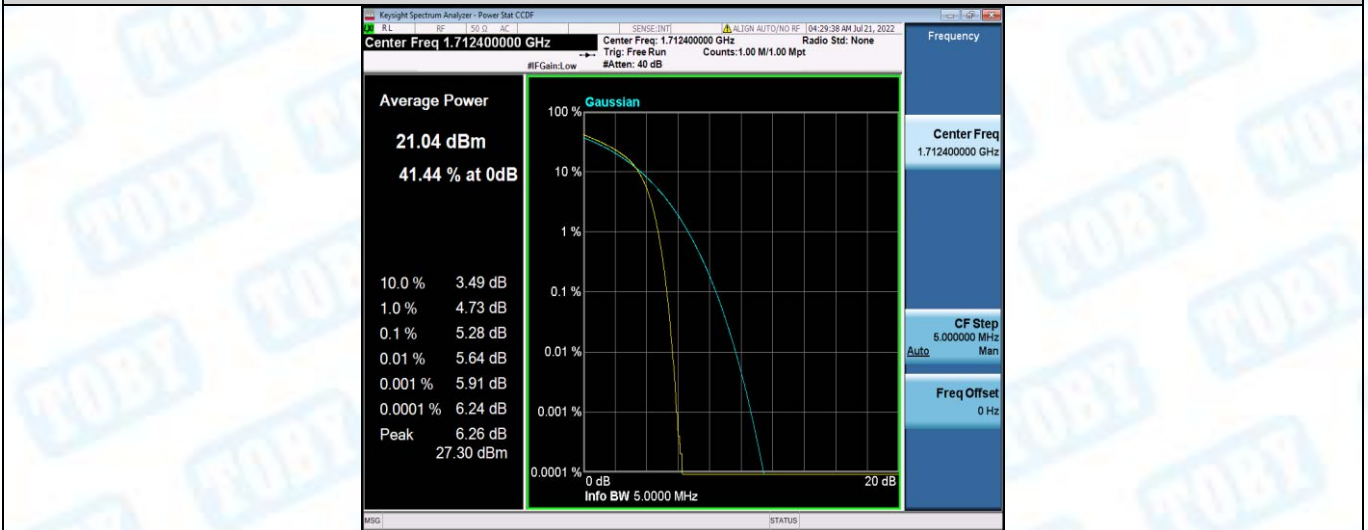
Band2-9538-5



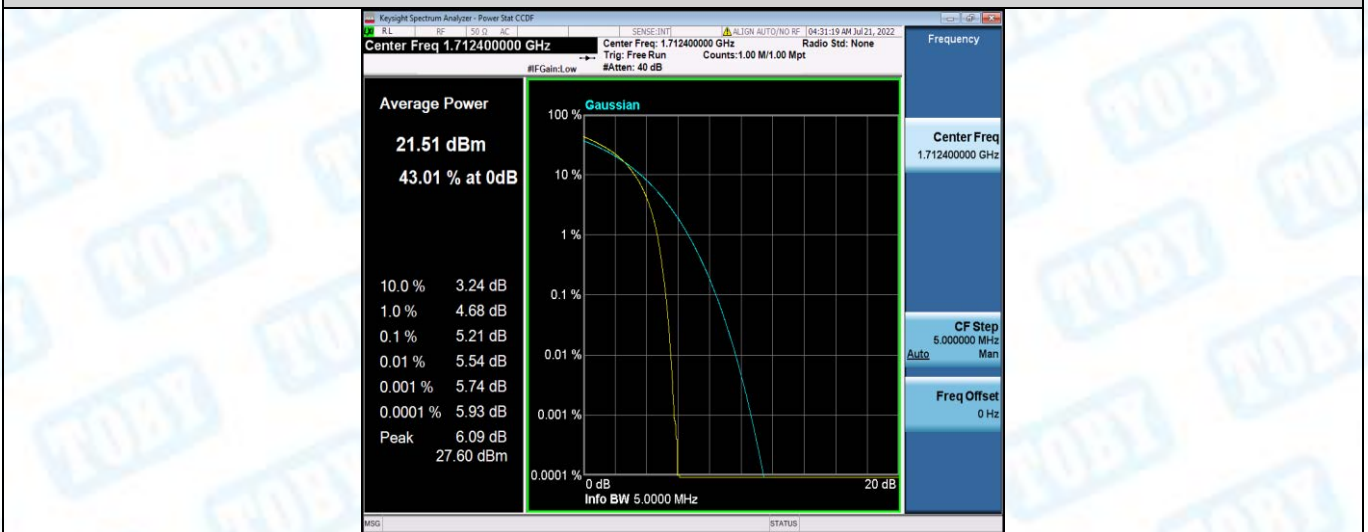
Band4-1312-1



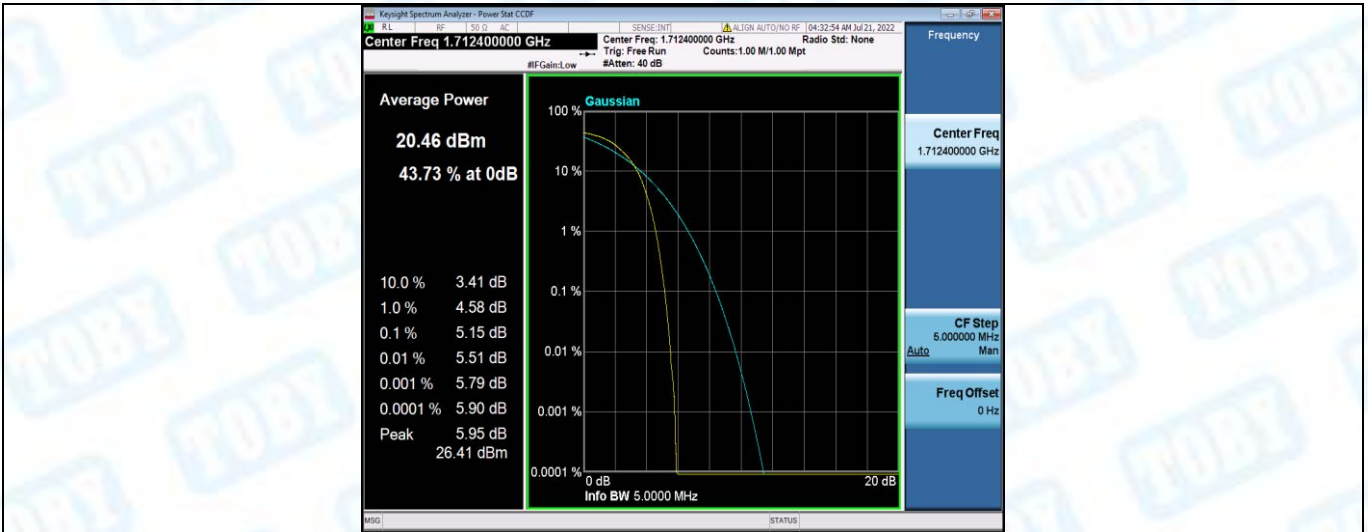
Band4-1312-2



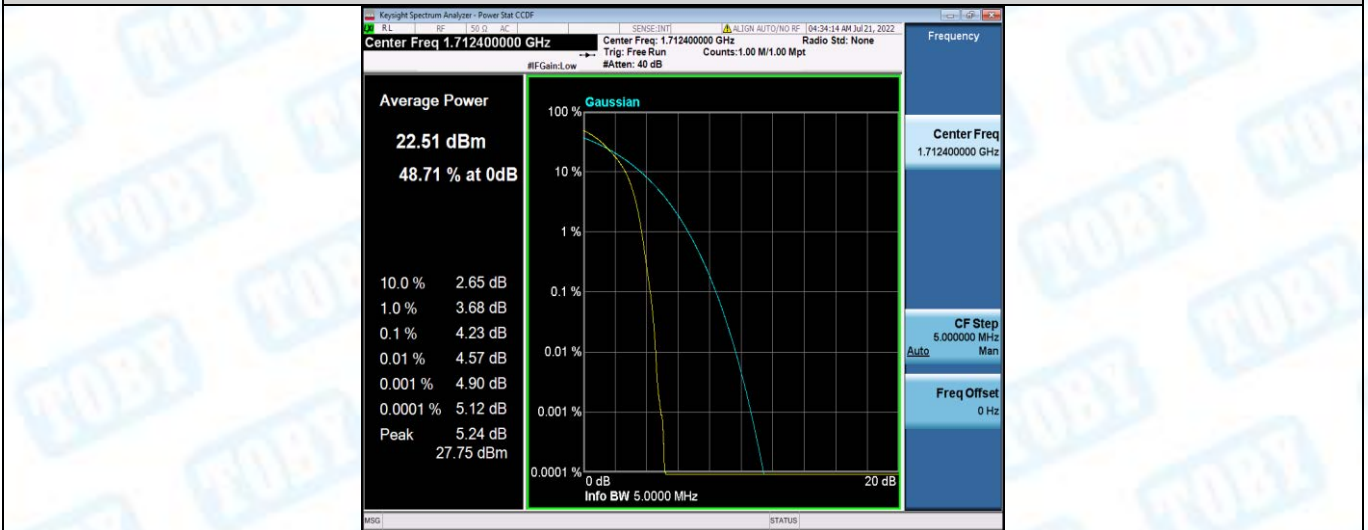
Band4-1312-3



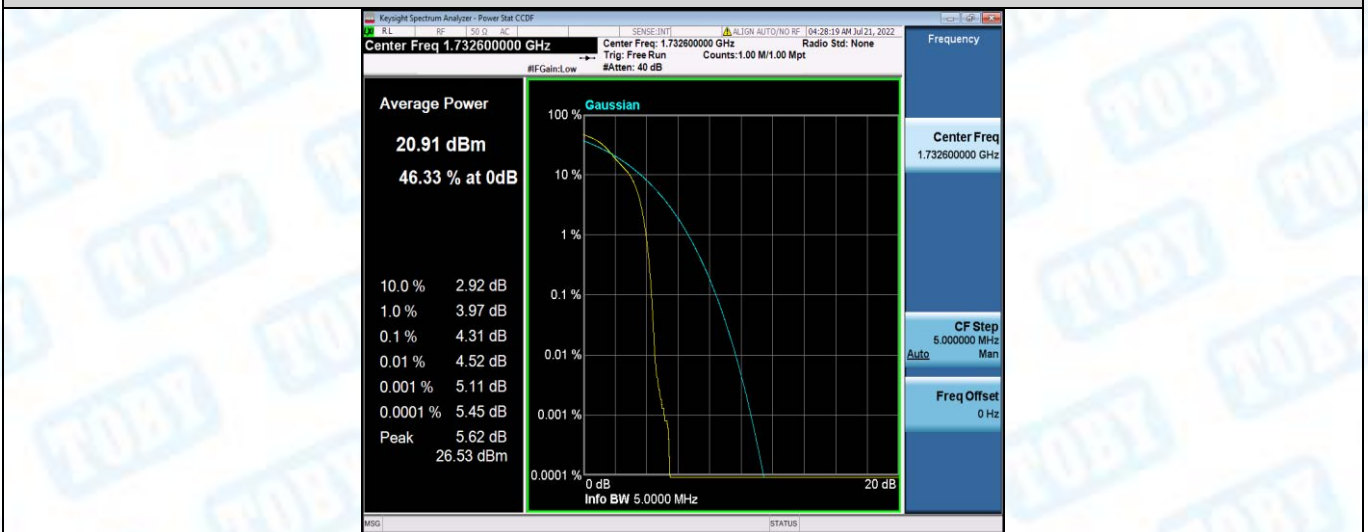
Band4-1312-4



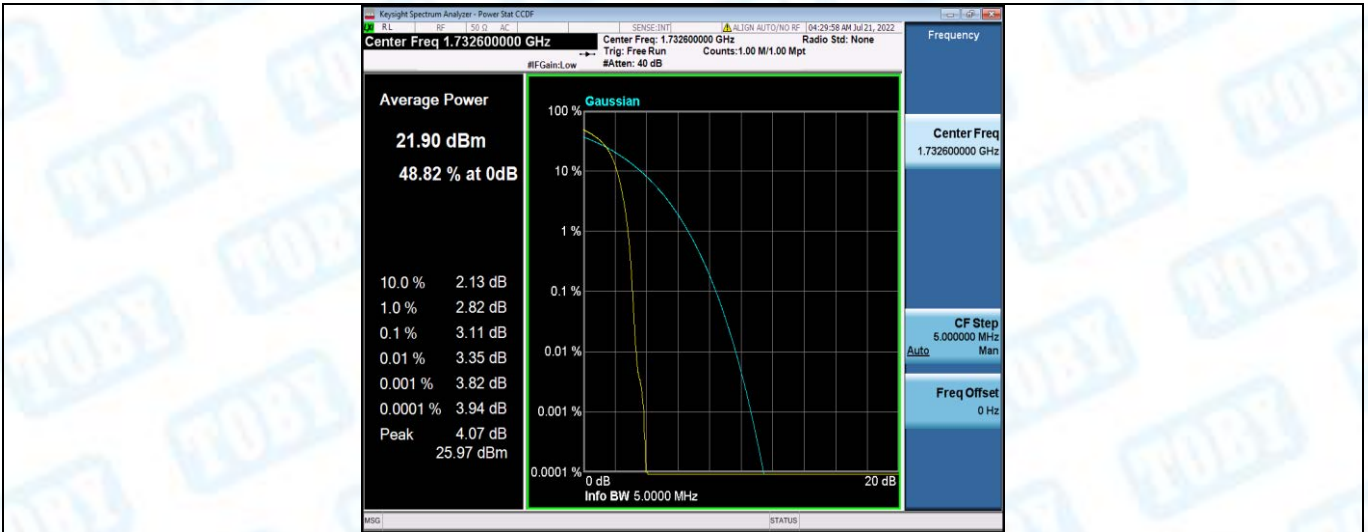
Band4-1312-5



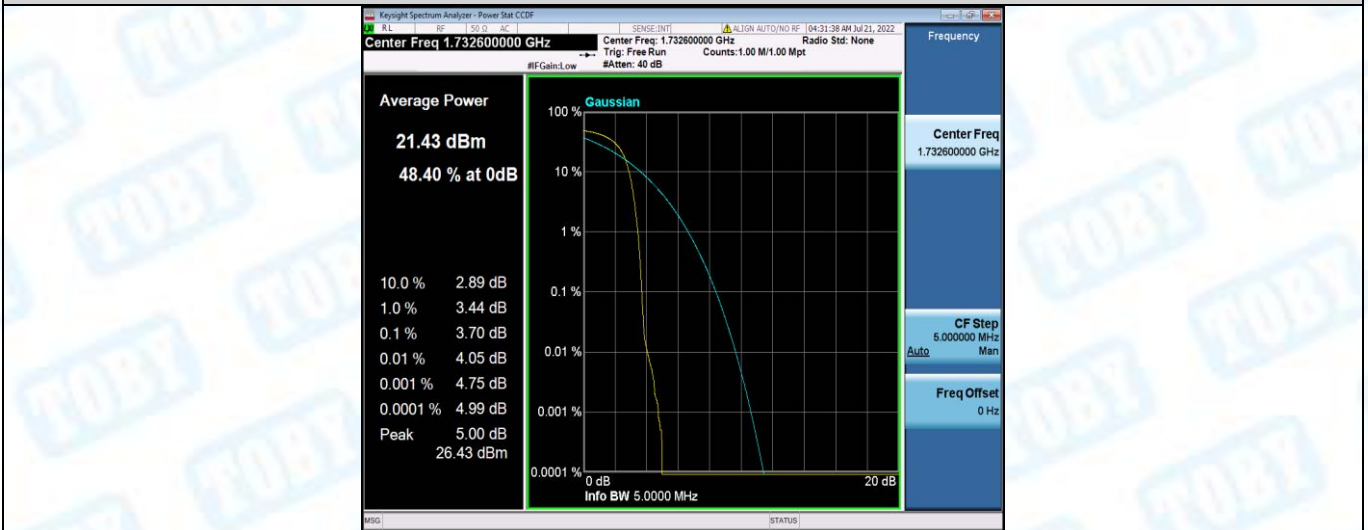
Band4-1413-1



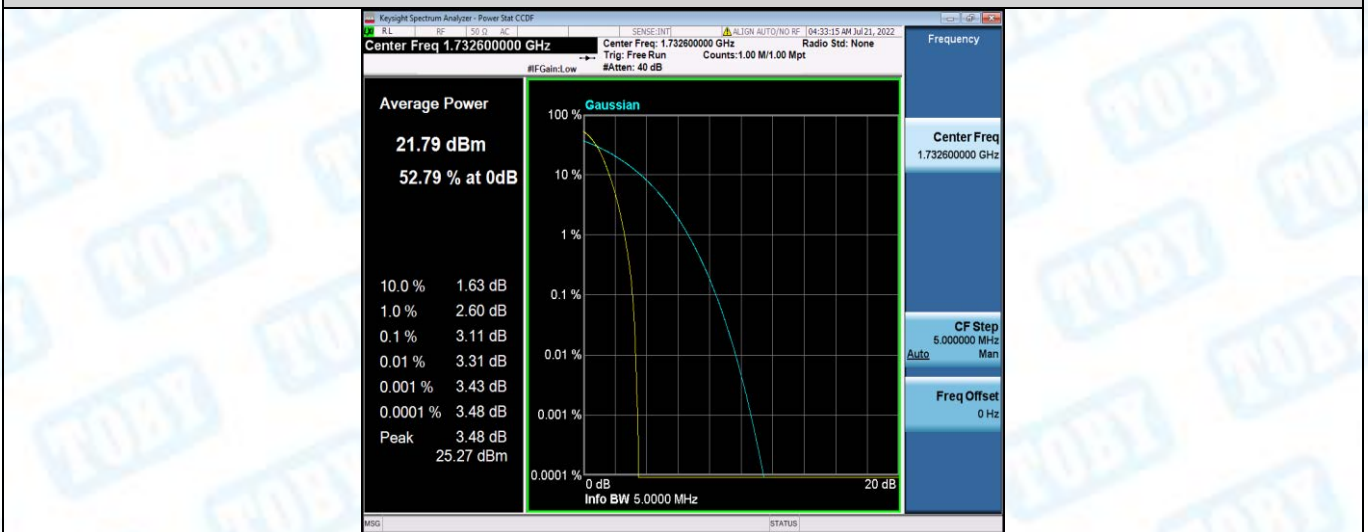
Band4-1413-2



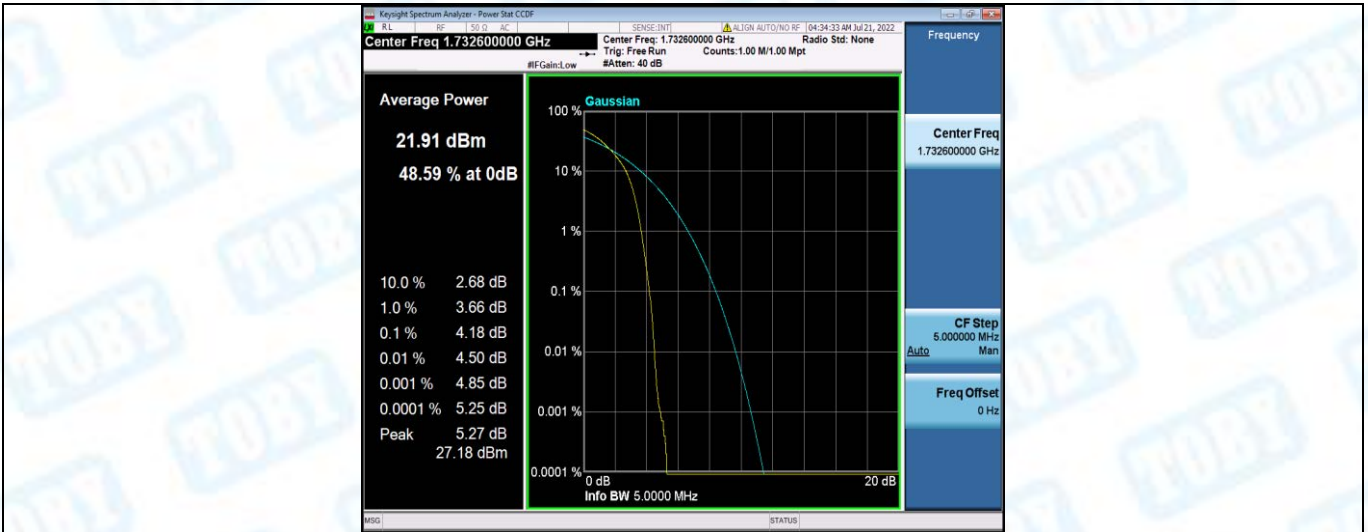
Band4-1413-3



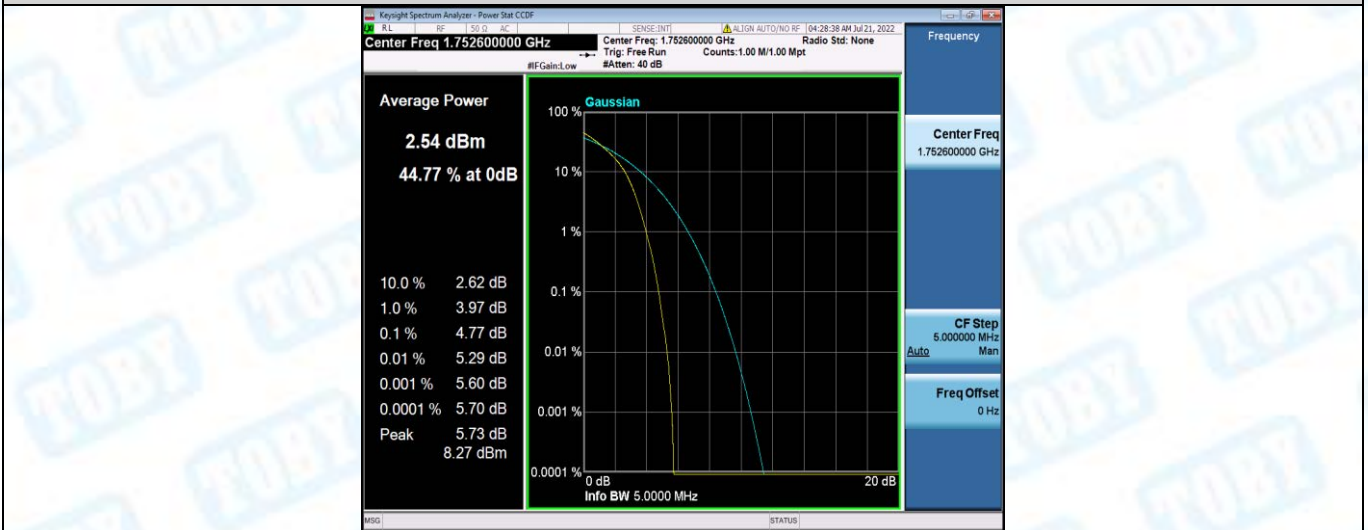
Band4-1413-4



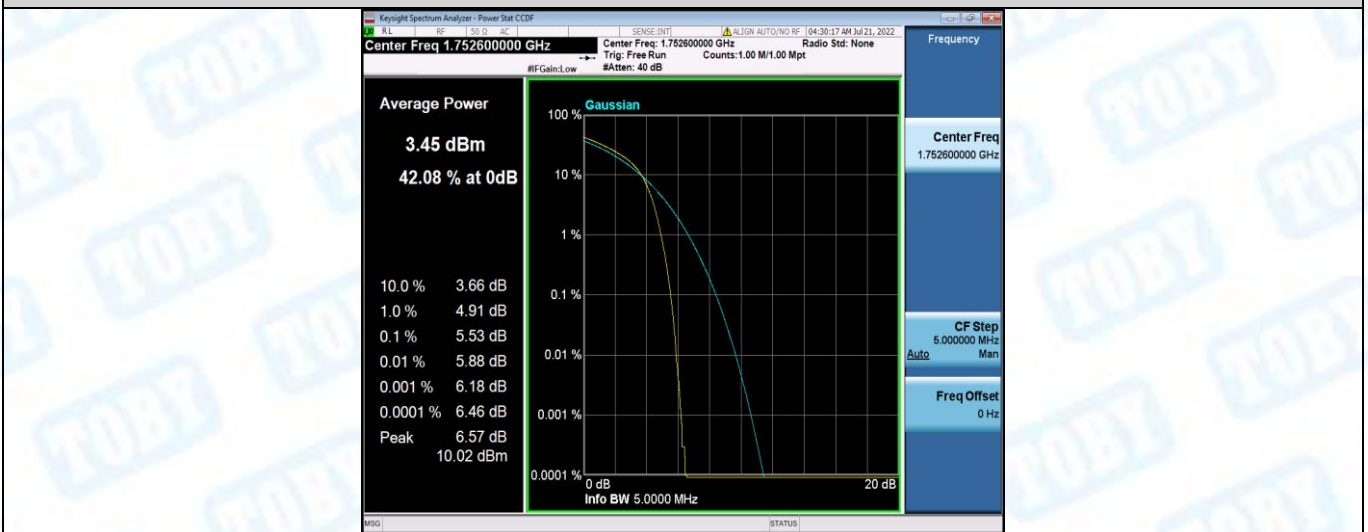
Band4-1413-5



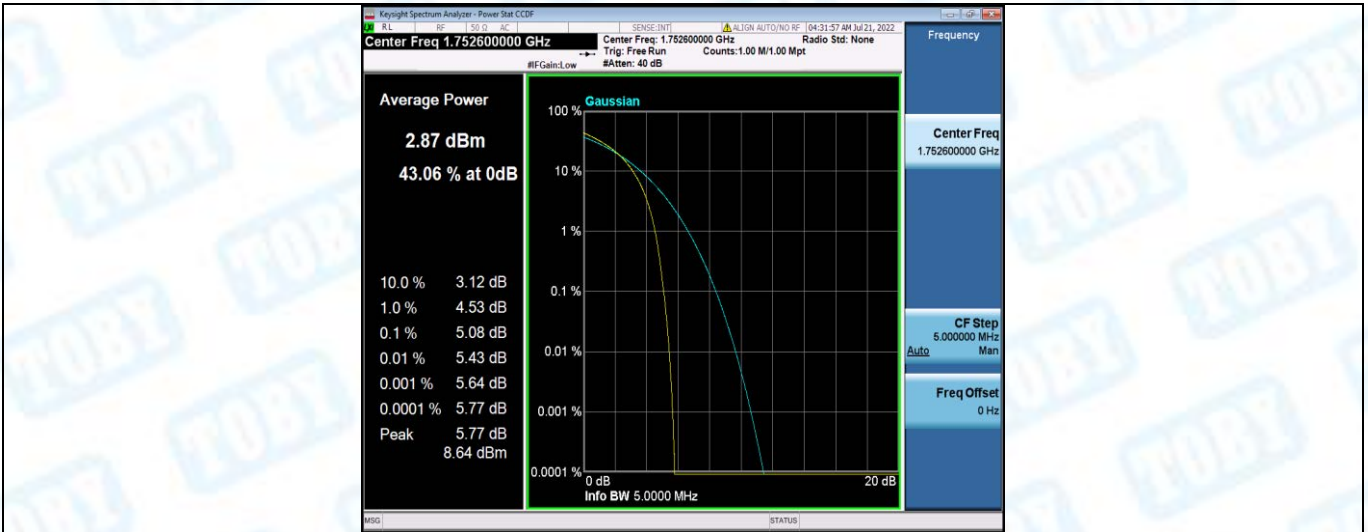
Band4-1513-1



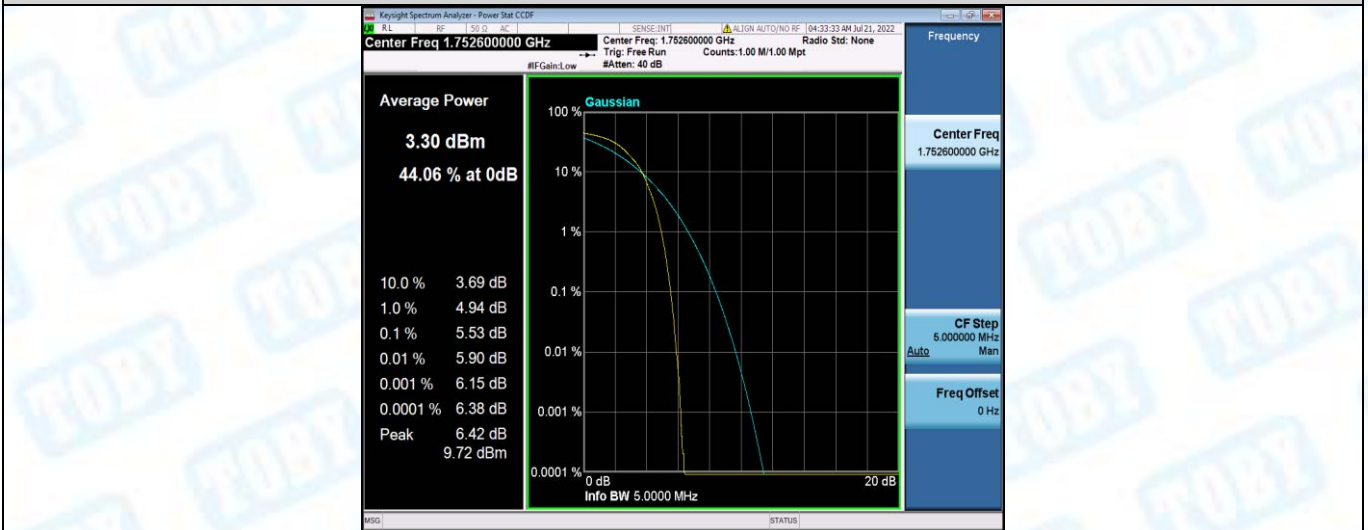
Band4-1513-2



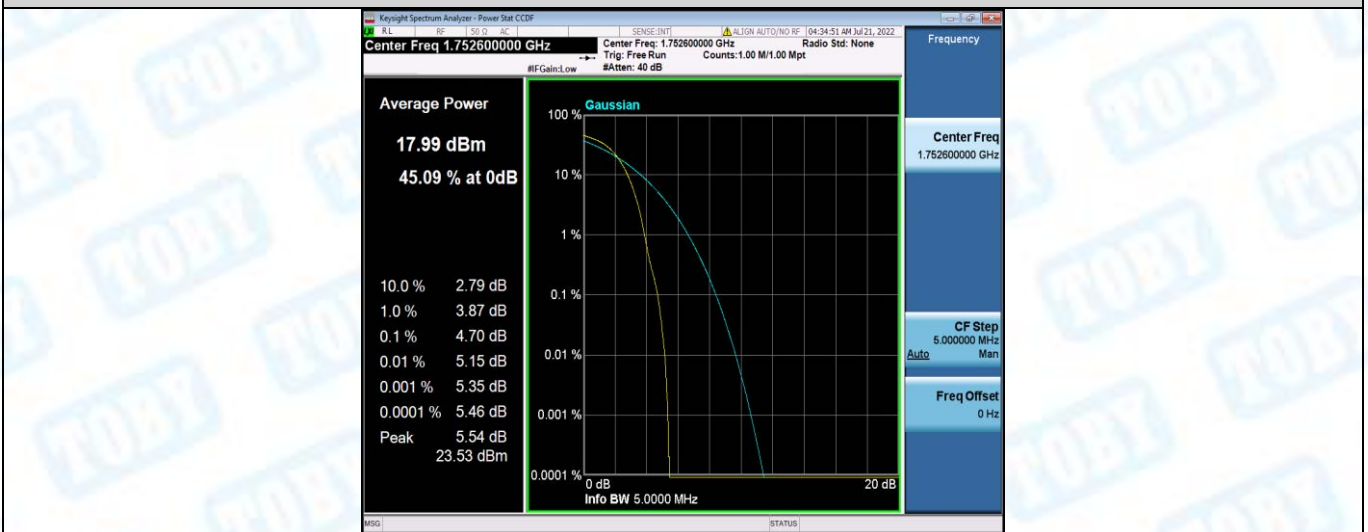
Band4-1513-3



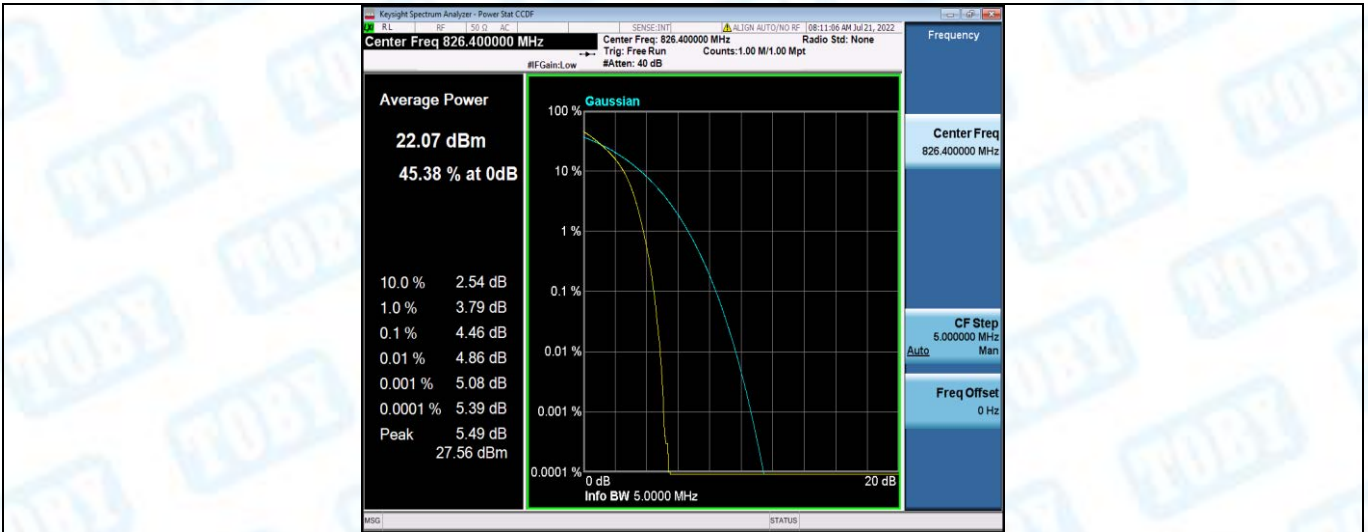
Band4-1513-4



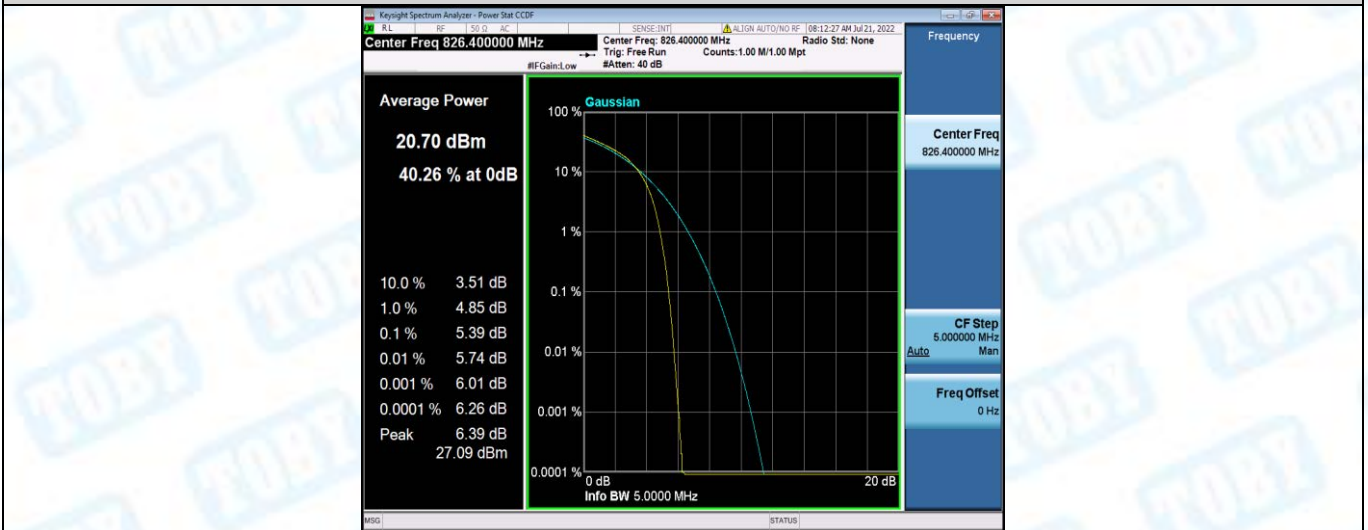
Band4-1513-5



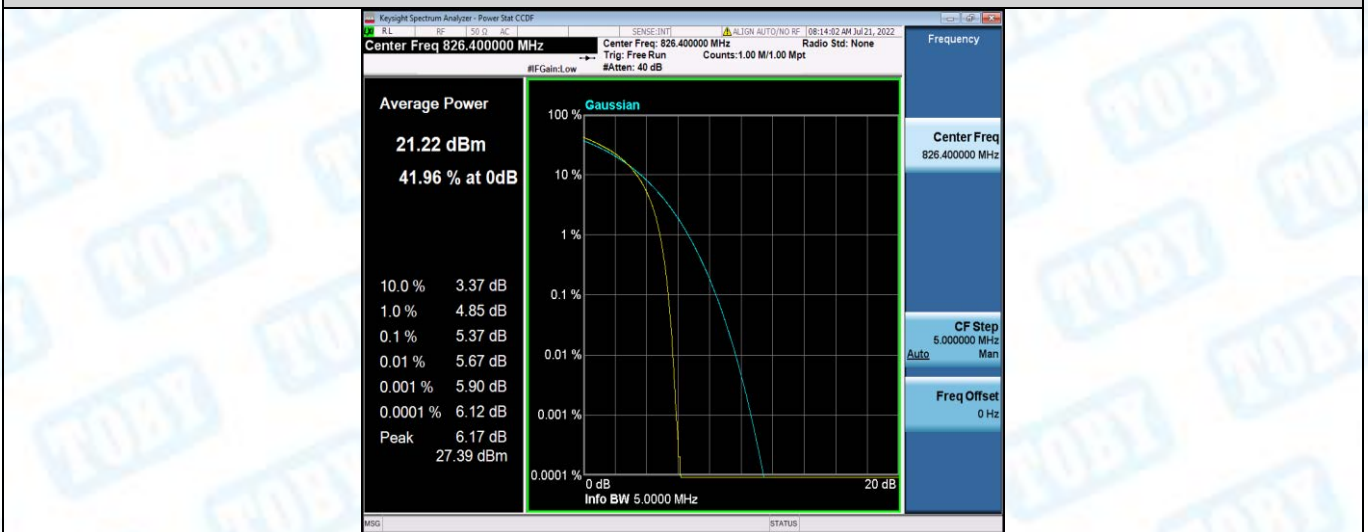
Band5-4132-1



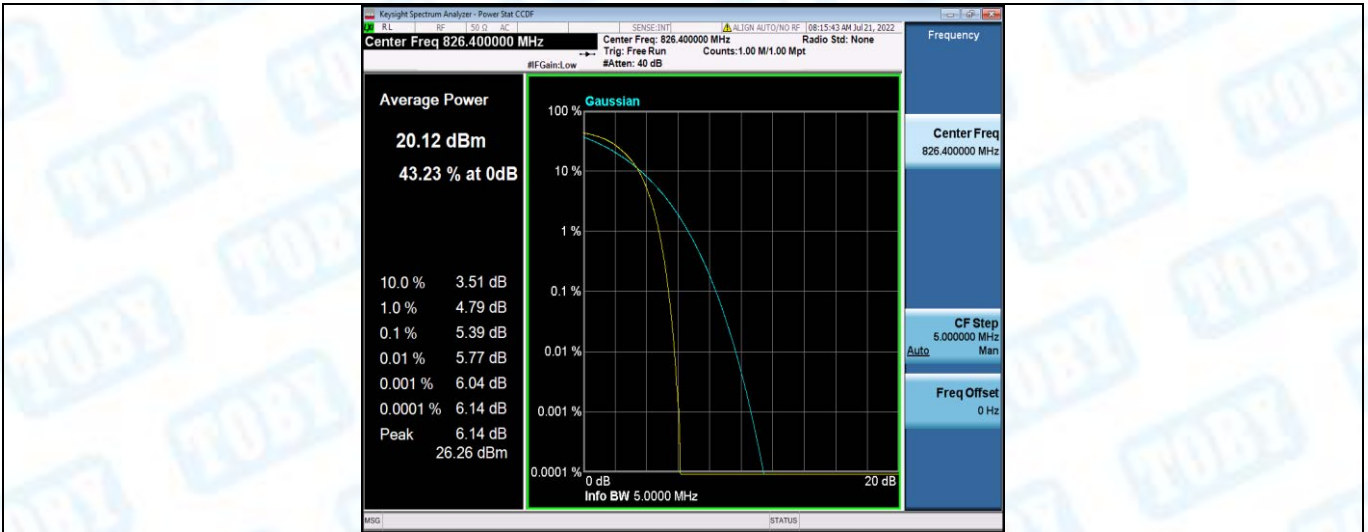
Band5-4132-2



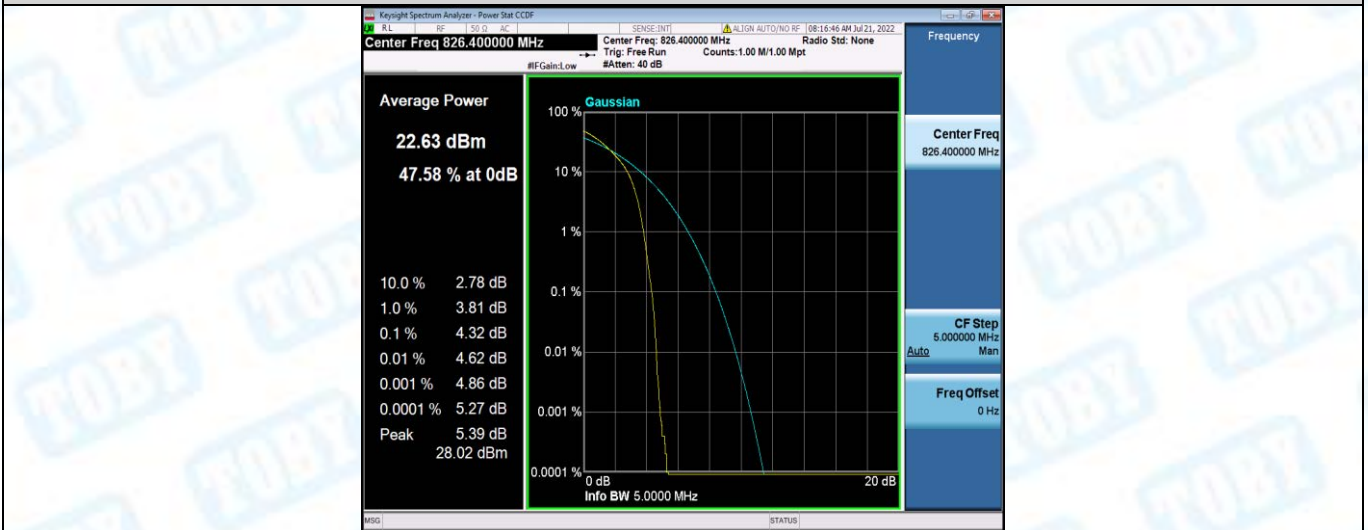
Band5-4132-3



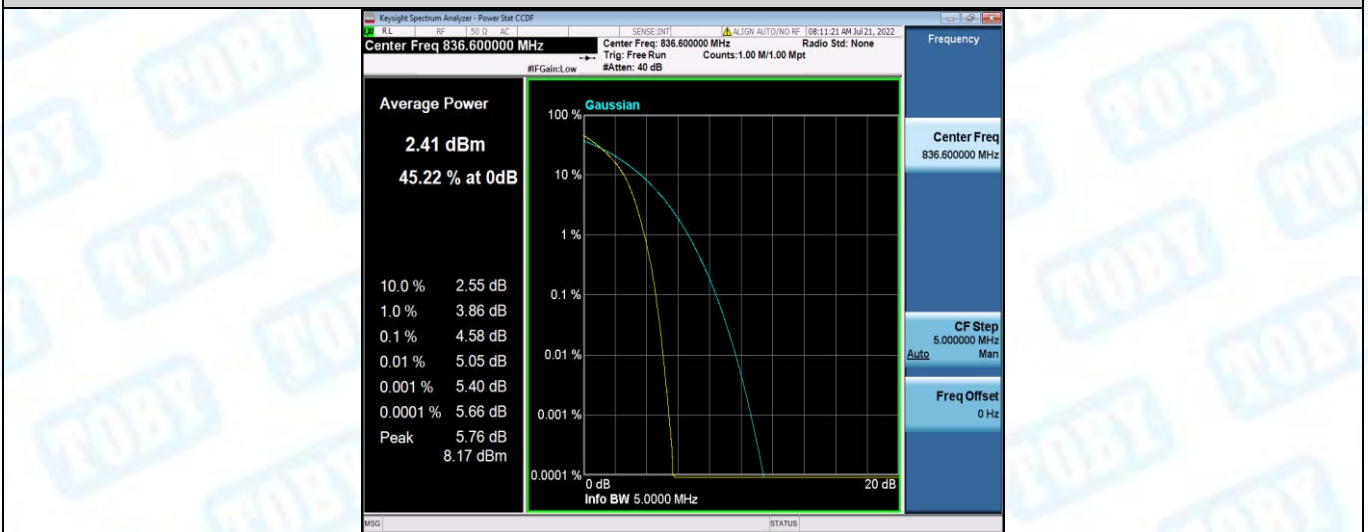
Band5-4132-4



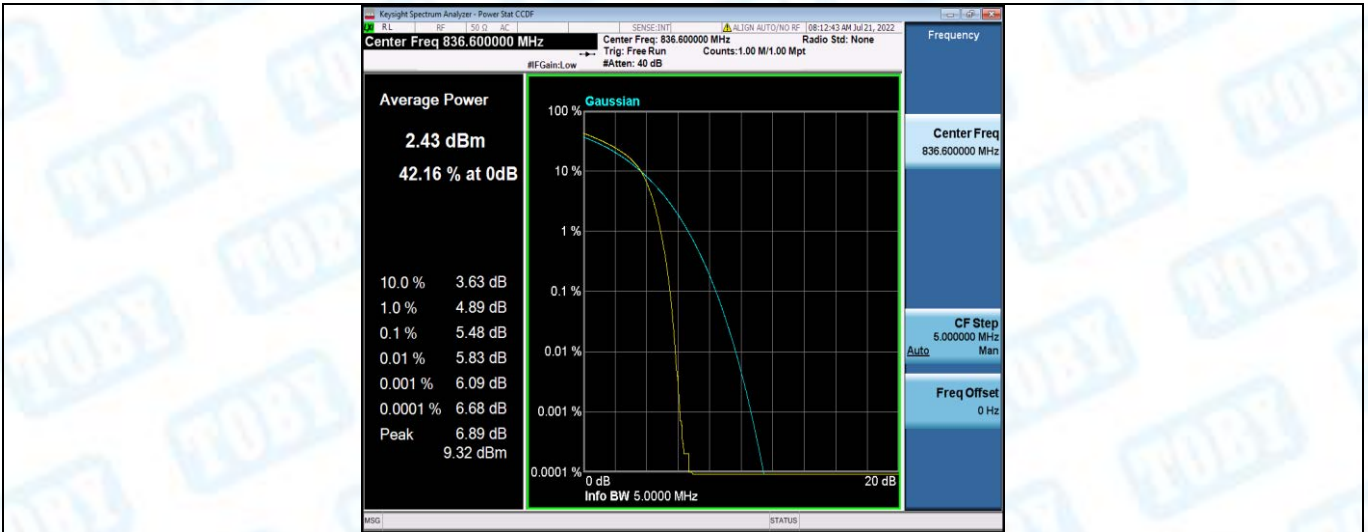
Band5-4132-5



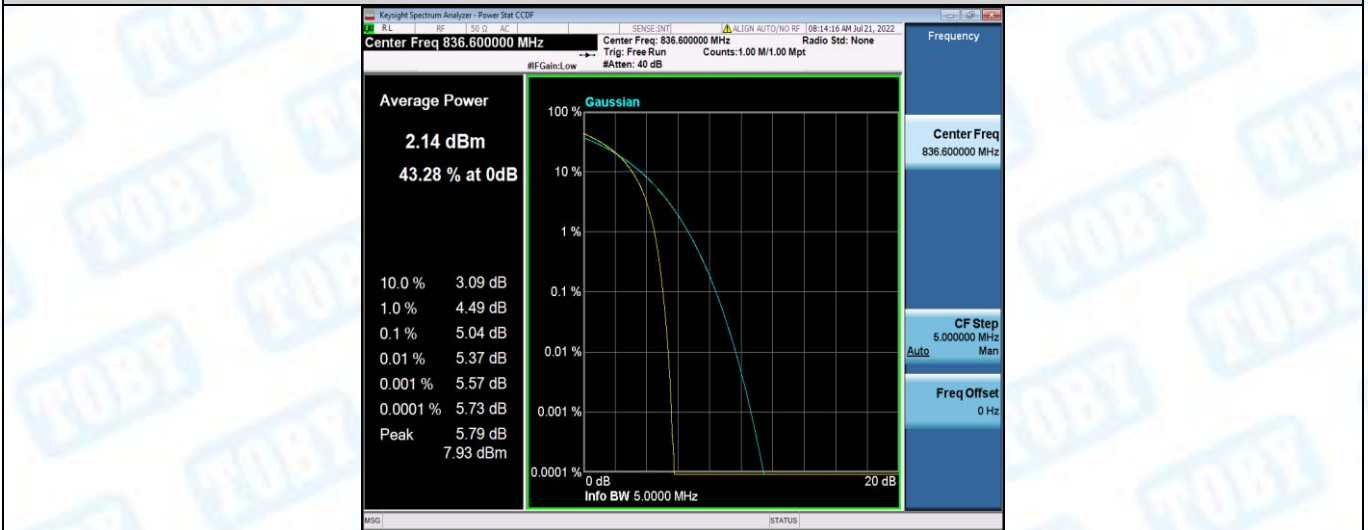
Band5-4183-1



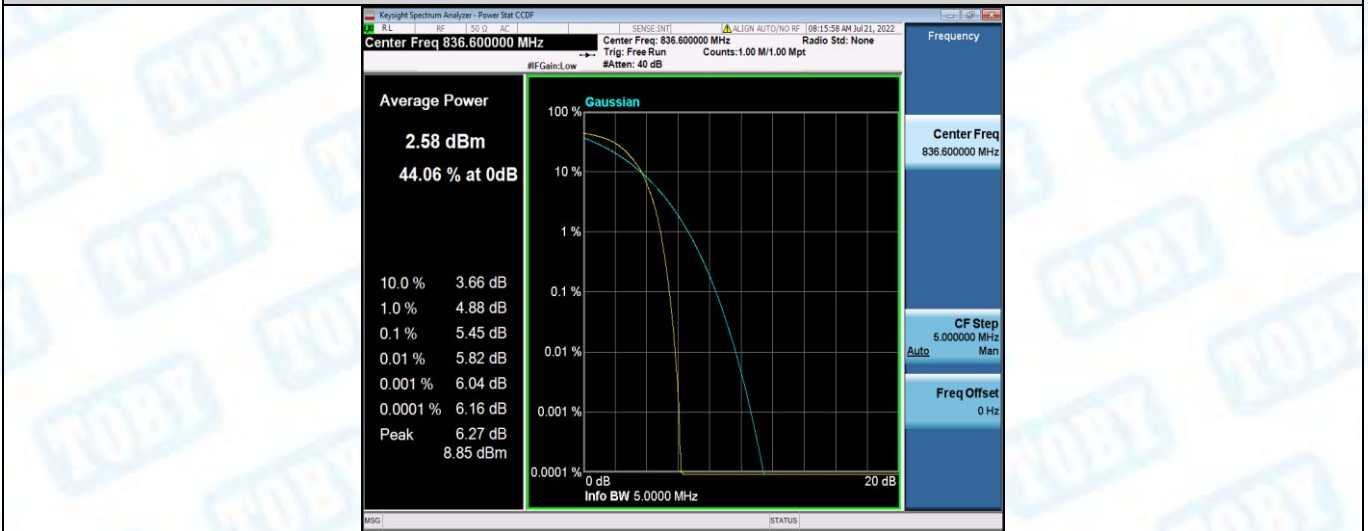
Band5-4183-2



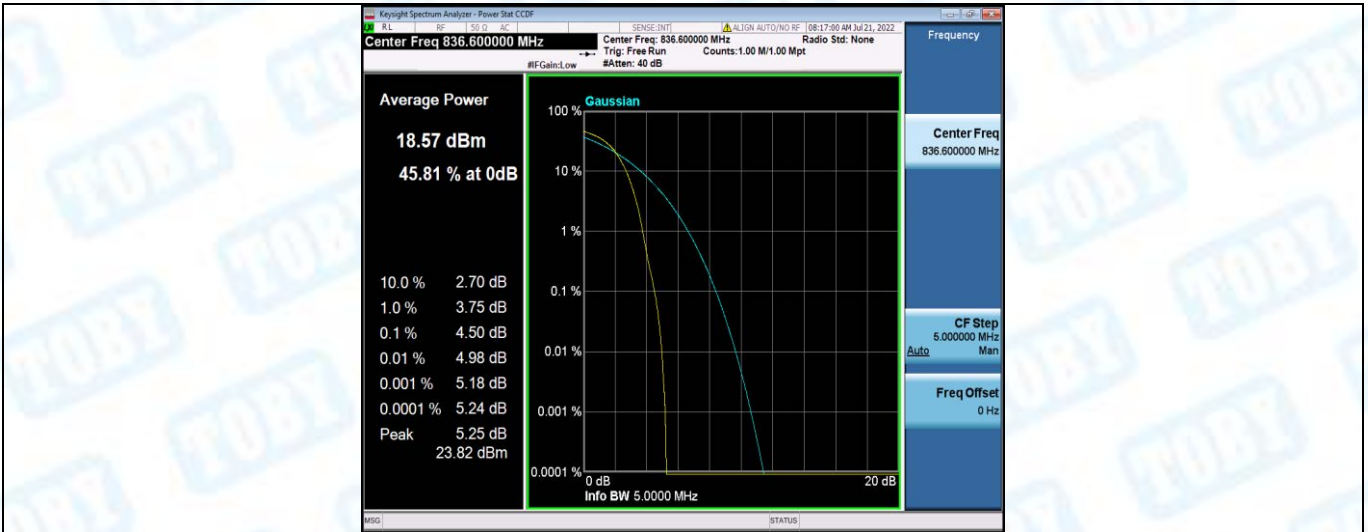
Band5-4183-3



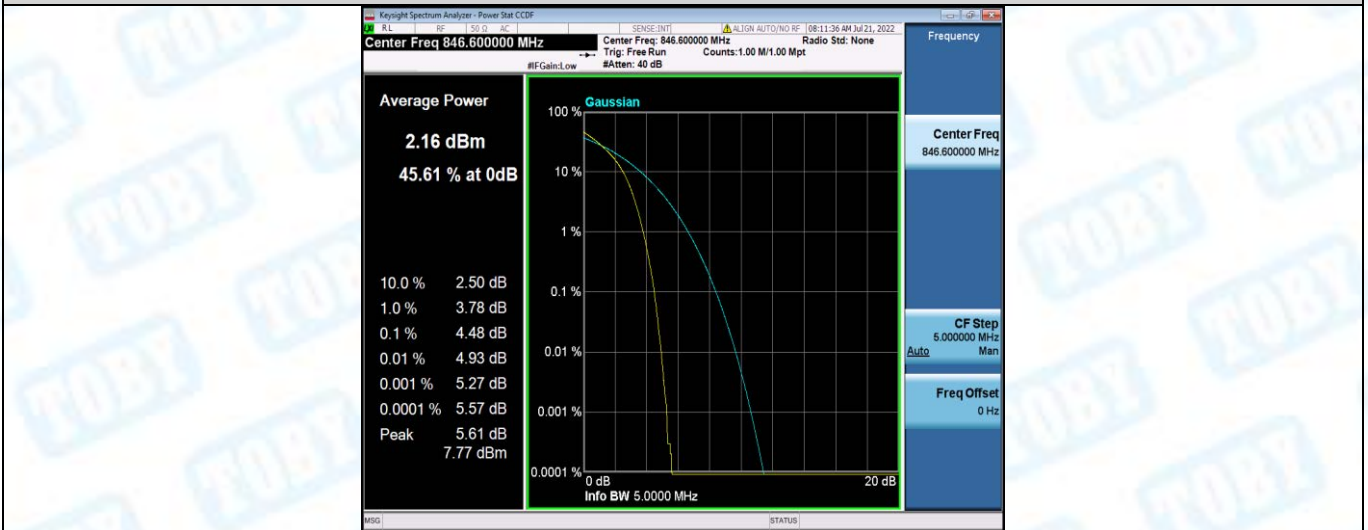
Band5-4183-4



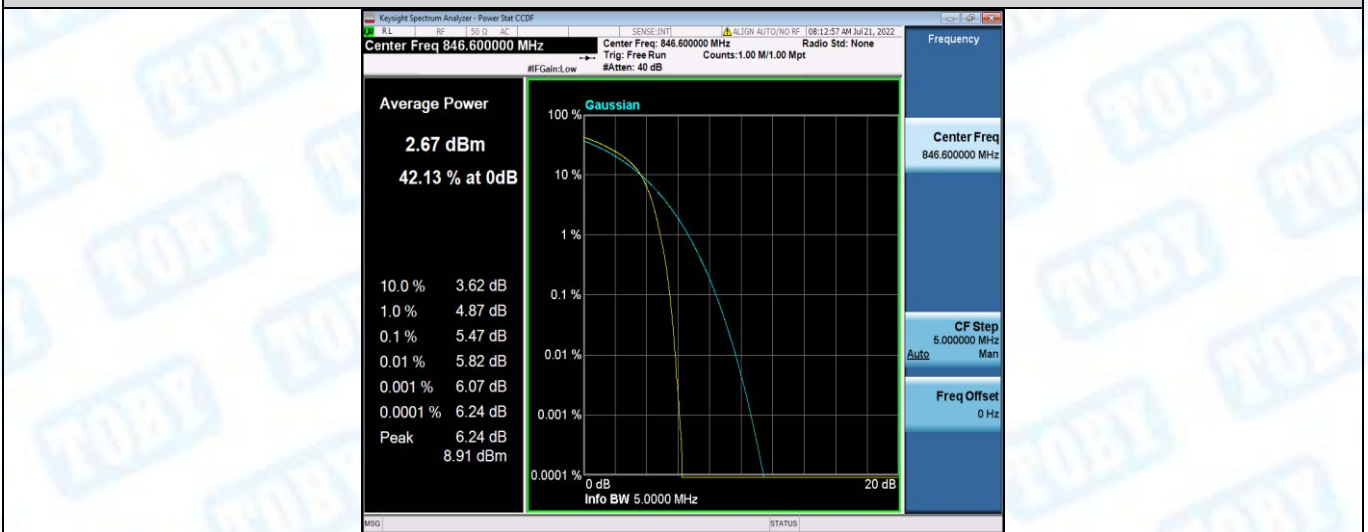
Band5-4183-5



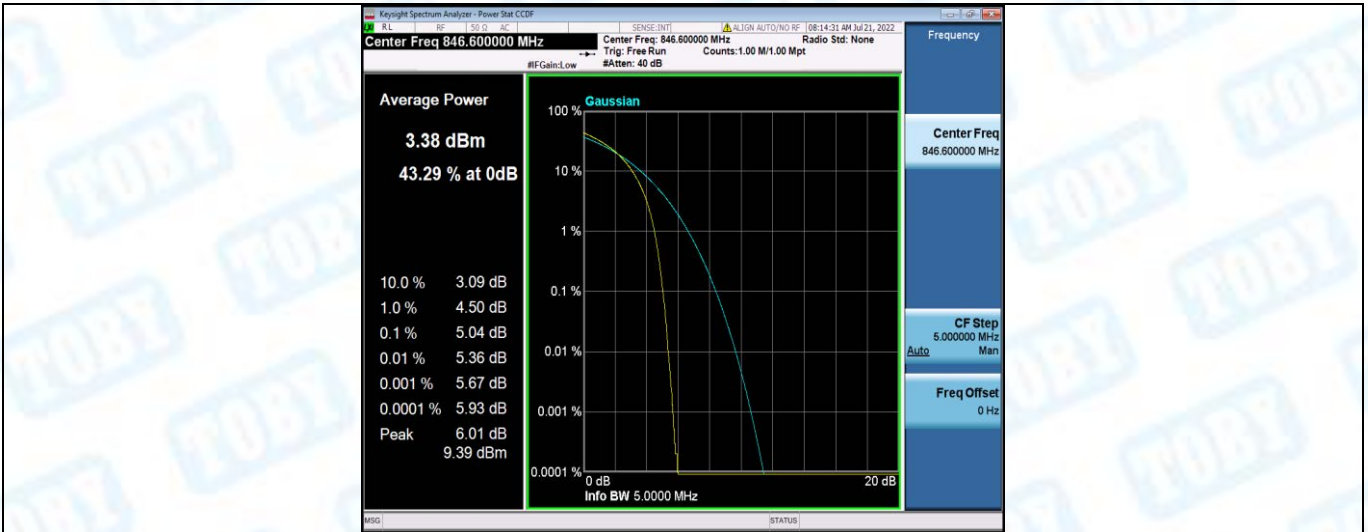
Band5-4233-1



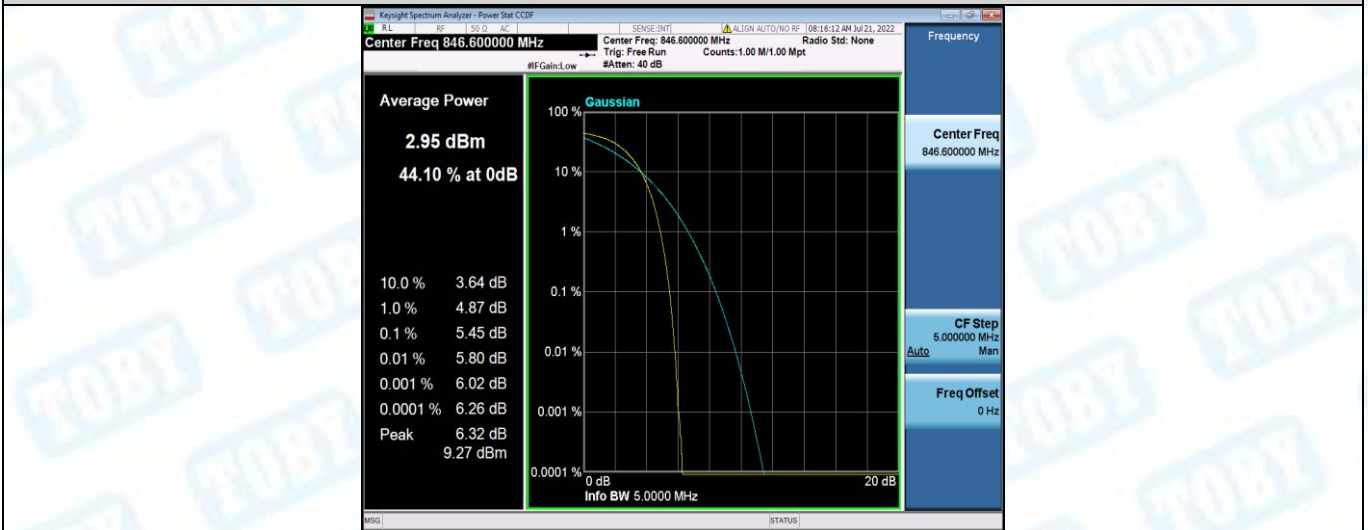
Band5-4233-2



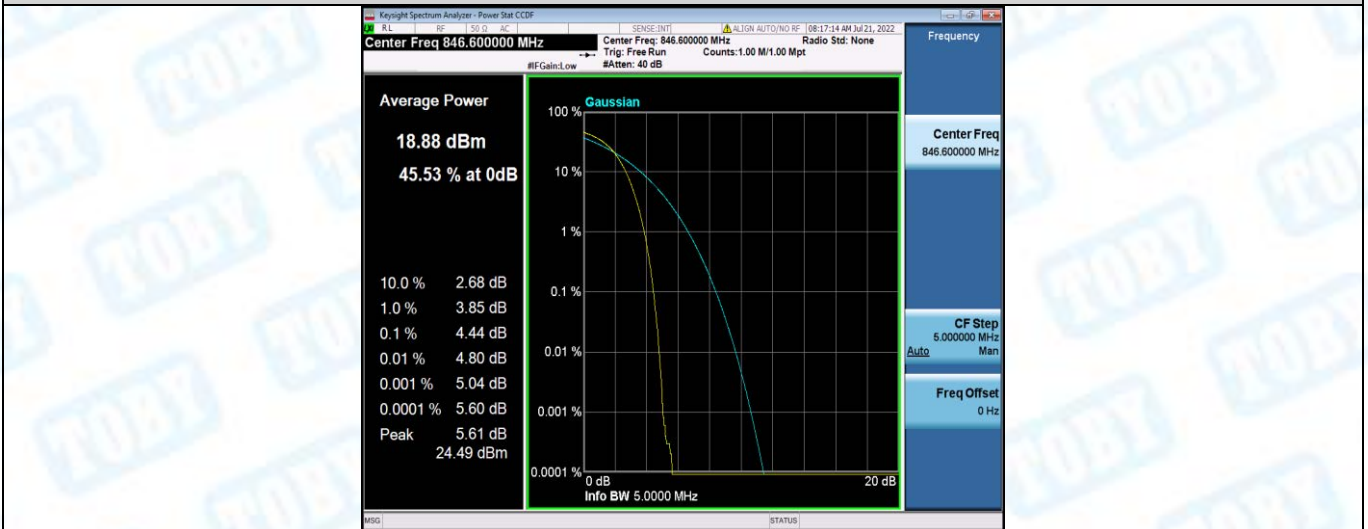
Band5-4233-3



Band5-4233-4



Band5-4233-5



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1320	4.725	---	PASS
Band2	9400	4.1349	4.711	---	PASS
Band2	9538	4.1342	4.710	---	PASS
Band4	1312	4.1323	4.715	---	PASS
Band4	1413	4.1258	4.711	---	PASS
Band4	1513	4.1332	4.710	---	PASS
Band5	4132	4.1337	4.698	---	PASS
Band5	4183	4.1395	4.696	---	PASS
Band5	4233	4.1434	4.734	---	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	1	4.1305	4.727	---	PASS
Band2	9262	2	4.1299	4.722	---	PASS
Band2	9262	3	4.1353	4.726	---	PASS
Band2	9262	4	4.1372	4.717	---	PASS
Band2	9400	1	4.1338	4.717	---	PASS
Band2	9400	2	4.1271	4.707	---	PASS
Band2	9400	3	4.1327	4.712	---	PASS
Band2	9400	4	4.1440	4.719	---	PASS
Band2	9538	1	4.1319	4.710	---	PASS
Band2	9538	2	4.1245	4.715	---	PASS
Band2	9538	3	4.1291	4.717	---	PASS
Band2	9538	4	4.1224	4.711	---	PASS
Band4	1312	1	4.1261	4.727	---	PASS
Band4	1312	2	4.1229	4.702	---	PASS
Band4	1312	3	4.1224	4.702	---	PASS
Band4	1312	4	4.1237	4.709	---	PASS
Band4	1413	1	4.1246	4.715	---	PASS
Band4	1413	2	4.1173	4.714	---	PASS

Band4	1413	3	4.1201	4.711	---	PASS
Band4	1413	4	4.1224	4.717	---	PASS
Band4	1513	1	4.1348	4.717	---	PASS
Band4	1513	2	4.1236	4.721	---	PASS
Band4	1513	3	4.1252	4.715	---	PASS
Band4	1513	4	4.1291	4.712	---	PASS
Band5	4132	1	4.1315	4.703	---	PASS
Band5	4132	2	4.1334	4.713	---	PASS
Band5	4132	3	4.1377	4.723	---	PASS
Band5	4132	4	4.1369	4.721	---	PASS
Band5	4183	1	4.1439	4.720	---	PASS
Band5	4183	2	4.1411	4.711	---	PASS
Band5	4183	3	4.1475	4.717	---	PASS
Band5	4183	4	4.1372	4.716	---	PASS
Band5	4233	1	4.1398	4.737	---	PASS
Band5	4233	2	4.1326	4.709	---	PASS
Band5	4233	3	4.1325	4.693	---	PASS
Band5	4233	4	4.1313	4.700	---	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	1	4.1555	4.728	---	PASS
Band2	9262	2	4.1496	4.713	---	PASS
Band2	9262	3	4.1470	4.721	---	PASS
Band2	9262	4	4.1448	4.733	---	PASS
Band2	9262	5	4.1333	4.711	---	PASS
Band2	9400	1	4.1463	4.730	---	PASS
Band2	9400	2	4.1537	4.732	---	PASS
Band2	9400	3	4.1565	4.719	---	PASS
Band2	9400	4	4.1578	4.729	---	PASS
Band2	9400	5	4.1424	4.719	---	PASS
Band2	9538	1	4.1504	4.704	---	PASS
Band2	9538	2	4.1568	4.731	---	PASS
Band2	9538	3	4.1550	4.728	---	PASS
Band2	9538	4	4.1569	4.736	---	PASS

Band2	9538	5	4.1343	4.728	---	PASS
Band4	1312	1	4.1434	4.711	---	PASS
Band4	1312	2	4.1488	4.700	---	PASS
Band4	1312	3	4.1452	4.736	---	PASS
Band4	1312	4	4.1474	4.722	---	PASS
Band4	1312	5	4.1235	4.709	---	PASS
Band4	1413	1	4.1385	4.710	---	PASS
Band4	1413	2	4.1234	4.717	---	PASS
Band4	1413	3	4.1196	4.721	---	PASS
Band4	1413	4	4.1230	4.701	---	PASS
Band4	1413	5	4.1290	4.691	---	PASS
Band4	1513	1	4.1522	4.717	---	PASS
Band4	1513	2	4.1469	4.710	---	PASS
Band4	1513	3	4.1531	4.726	---	PASS
Band4	1513	4	4.1575	4.740	---	PASS
Band4	1513	5	4.1355	4.707	---	PASS
Band5	4132	1	4.1491	4.716	---	PASS
Band5	4132	2	4.1560	4.724	---	PASS
Band5	4132	3	4.1614	4.725	---	PASS
Band5	4132	4	4.1547	4.723	---	PASS
Band5	4132	5	4.1302	4.714	---	PASS
Band5	4183	1	4.1556	4.700	---	PASS
Band5	4183	2	4.1682	4.741	---	PASS
Band5	4183	3	4.1641	4.729	---	PASS
Band5	4183	4	4.1649	4.723	---	PASS
Band5	4183	5	4.1468	4.719	---	PASS
Band5	4233	1	4.1369	4.718	---	PASS
Band5	4233	2	4.1367	4.699	---	PASS
Band5	4233	3	4.1446	4.707	---	PASS
Band5	4233	4	4.1324	4.716	---	PASS
Band5	4233	5	4.1287	4.698	---	PASS