

WCDMA Test Data

General Description of EUT	
Product Name:	Smart POS Payment Terminal
Test Model:	CM30
Sample ID:	202311-0170-7-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 24V
Test Engineer:	Yan zhen ming
Note: For a more detailed features description, please refer to the report TBR-C-202311-0170-85 . The report only show the worst case data.	

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1. Conducted Power Output Data

Test Result(WCDMA)

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	23.72	33.01	PASS
Band2	9400	23.66	33.01	PASS
Band2	9538	23.75	33.01	PASS
Band4	1312	23.80	30.00	PASS
Band4	1413	23.67	30.00	PASS
Band4	1513	23.76	30.00	PASS
Band5	4132	24.56	38.45	PASS
Band5	4182	24.43	38.45	PASS
Band5	4233	24.39	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.61	33.01	PASS
Band2	9400	1	22.56	33.01	PASS
Band2	9538	1	22.67	33.01	PASS
Band2	9262	2	22.13	33.01	PASS
Band2	9400	2	21.98	33.01	PASS
Band2	9538	2	22.11	33.01	PASS
Band2	9262	3	22.16	33.01	PASS
Band2	9400	3	22.03	33.01	PASS
Band2	9538	3	22.18	33.01	PASS
Band2	9262	4	22.12	33.01	PASS
Band2	9400	4	22.11	33.01	PASS
Band2	9538	4	22.16	33.01	PASS
Band4	1312	1	22.77	30.00	PASS
Band4	1413	1	22.63	30.00	PASS
Band4	1513	1	22.74	30.00	PASS
Band4	1312	2	22.31	30.00	PASS
Band4	1413	2	22.14	30.00	PASS
Band4	1513	2	22.20	30.00	PASS
Band4	1312	3	22.31	30.00	PASS
Band4	1413	3	22.18	30.00	PASS
Band4	1513	3	22.28	30.00	PASS
Band4	1312	4	22.31	30.00	PASS
Band4	1413	4	22.12	30.00	PASS
Band4	1513	4	22.24	30.00	PASS
Band5	4132	1	23.49	38.5	PASS
Band5	4182	1	23.35	38.5	PASS
Band5	4233	1	23.46	38.5	PASS
Band5	4132	2	22.92	38.5	PASS

Band5	4182	2	22.85	38.5	PASS
Band5	4233	2	22.85	38.5	PASS
Band5	4132	3	22.94	38.5	PASS
Band5	4182	3	22.85	38.5	PASS
Band5	4233	3	22.94	38.5	PASS
Band5	4132	4	22.99	38.5	PASS
Band5	4182	4	22.84	38.5	PASS
Band5	4233	4	22.95	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.94	33.01	PASS
Band2	9400	1	20.44	33.01	PASS
Band2	9538	1	20.54	33.01	PASS
Band2	9262	2	20.54	33.01	PASS
Band2	9400	2	20.47	33.01	PASS
Band2	9538	2	20.56	33.01	PASS
Band2	9262	3	21.61	33.01	PASS
Band2	9400	3	21.48	33.01	PASS
Band2	9538	3	21.61	33.01	PASS
Band2	9262	4	20.09	33.01	PASS
Band2	9400	4	19.99	33.01	PASS
Band2	9538	4	20.11	33.01	PASS
Band2	9262	5	21.57	33.01	PASS
Band2	9400	5	21.51	33.01	PASS
Band2	9538	5	21.55	33.01	PASS
Band4	1312	1	21.05	30.00	PASS
Band4	1413	1	20.91	30.00	PASS
Band4	1513	1	20.56	30.00	PASS
Band4	1312	2	20.67	30.00	PASS
Band4	1413	2	20.50	30.00	PASS
Band4	1513	2	20.64	30.00	PASS
Band4	1312	3	21.69	30.00	PASS
Band4	1413	3	21.58	30.00	PASS
Band4	1513	3	21.67	30.00	PASS
Band4	1312	4	20.18	30.00	PASS
Band4	1413	4	20.07	30.00	PASS
Band4	1513	4	20.13	30.00	PASS
Band4	1312	5	21.59	30.00	PASS
Band4	1413	5	21.56	30.00	PASS
Band4	1513	5	21.62	30.00	PASS
Band5	4132	1	21.70	38.5	PASS
Band5	4182	1	21.59	38.5	PASS
Band5	4233	1	21.27	38.5	PASS
Band5	4132	2	21.40	38.5	PASS
Band5	4182	2	21.33	38.5	PASS
Band5	4233	2	21.35	38.5	PASS
Band5	4132	3	22.41	38.5	PASS
Band5	4182	3	22.37	38.5	PASS
Band5	4233	3	22.41	38.5	PASS
Band5	4132	4	20.92	38.5	PASS
Band5	4182	4	20.82	38.5	PASS
Band5	4233	4	20.87	38.5	PASS

Band5	4132	5	22.36	38.5	PASS
Band5	4182	5	22.28	38.5	PASS
Band5	4233	5	22.35	38.5	PASS

2. Peak-to-Average Ratio

Test Result Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.69	13	PASS
Band2	9400	3.29	13	PASS
Band2	9538	2.87	13	PASS
Band4	1312	3.33	13	PASS
Band4	1413	2.76	13	PASS
Band4	1513	3.3	13	PASS
Band5	4132	3.29	13	PASS
Band5	4182	2.86	13	PASS
Band5	4233	3.28	13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	3.1	13	PASS
Band2	9400	1	3.5	13	PASS
Band2	9538	1	3.18	13	PASS
Band2	9262	2	3.7	13	PASS
Band2	9400	2	4.01	13	PASS
Band2	9538	2	3.75	13	PASS
Band2	9262	3	3.87	13	PASS
Band2	9400	3	4.19	13	PASS
Band2	9538	3	3.92	13	PASS
Band2	9262	4	3.92	13	PASS
Band2	9400	4	4.24	13	PASS
Band2	9538	4	3.95	13	PASS
Band4	1312	1	3.49	13	PASS
Band4	1413	1	3.05	13	PASS
Band4	1513	1	3.5	13	PASS
Band4	1312	2	4.01	13	PASS
Band4	1413	2	3.64	13	PASS
Band4	1513	2	3.99	13	PASS
Band4	1312	3	4.18	13	PASS
Band4	1413	3	3.82	13	PASS
Band4	1513	3	4.16	13	PASS
Band4	1312	4	4.21	13	PASS
Band4	1413	4	3.86	13	PASS
Band4	1513	4	4.21	13	PASS
Band5	4132	1	3.34	13	PASS
Band5	4182	1	3.1	13	PASS
Band5	4233	1	3.31	13	PASS
Band5	4132	2	4.01	13	PASS

Band5	4182	2	3.74	13	PASS
Band5	4233	2	4.22	13	PASS
Band5	4132	3	4.18	13	PASS
Band5	4182	3	3.95	13	PASS
Band5	4233	3	4.39	13	PASS
Band5	4132	4	4.24	13	PASS
Band5	4182	4	3.97	13	PASS
Band5	4233	4	4.44	13	PASS

Test Result(HSUPA)

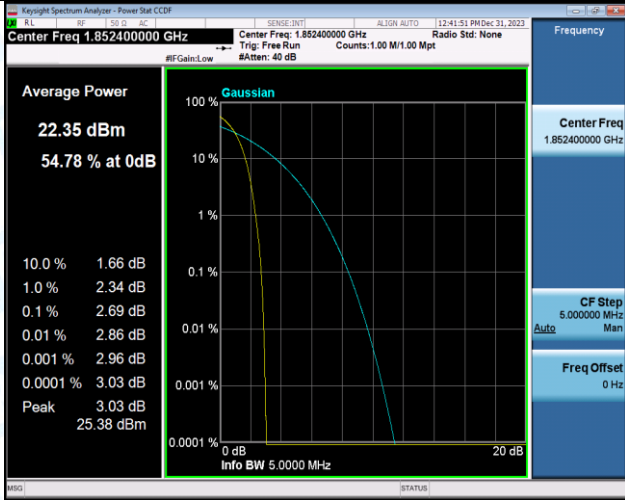
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.8	13	PASS
Band2	9400	1	5	13	PASS
Band2	9538	1	4.64	13	PASS
Band2	9262	2	5.76	13	PASS
Band2	9400	2	6.14	13	PASS
Band2	9538	2	5.69	13	PASS
Band2	9262	3	5.03	13	PASS
Band2	9400	3	5.58	13	PASS
Band2	9538	3	5.01	13	PASS
Band2	9262	4	5.69	13	PASS
Band2	9400	4	5.98	13	PASS
Band2	9538	4	5.61	13	PASS
Band2	9262	5	4.31	13	PASS
Band2	9400	5	4.69	13	PASS
Band2	9538	5	4.3	13	PASS
Band4	1312	1	5.04	13	PASS
Band4	1413	1	4.59	13	PASS
Band4	1513	1	5.07	13	PASS
Band4	1312	2	6.12	13	PASS
Band4	1413	2	5.68	13	PASS
Band4	1513	2	6.18	13	PASS
Band4	1312	3	5.53	13	PASS
Band4	1413	3	4.98	13	PASS
Band4	1513	3	5.58	13	PASS
Band4	1312	4	6	13	PASS
Band4	1413	4	5.56	13	PASS
Band4	1513	4	6.06	13	PASS
Band4	1312	5	4.65	13	PASS
Band4	1413	5	4.24	13	PASS
Band4	1513	5	4.7	13	PASS
Band5	4132	1	4.82	13	PASS
Band5	4182	1	4.58	13	PASS
Band5	4233	1	4.84	13	PASS
Band5	4132	2	5.95	13	PASS
Band5	4182	2	5.73	13	PASS
Band5	4233	2	6.06	13	PASS
Band5	4132	3	5.4	13	PASS
Band5	4182	3	5.41	13	PASS
Band5	4233	3	6.83	13	PASS
Band5	4132	4	5.87	13	PASS
Band5	4182	4	5.63	13	PASS
Band5	4233	4	5.79	13	PASS

Band5	4132	5	4.55	13	PASS
Band5	4182	5	4.27	13	PASS
Band5	4233	5	4.7	13	PASS

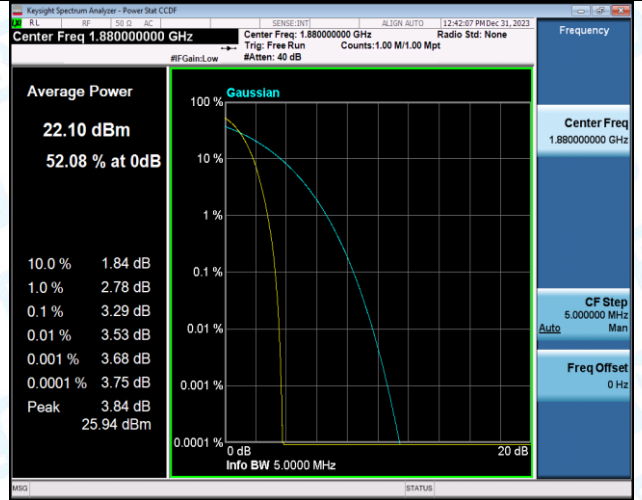
Test Graphs

WCDMA

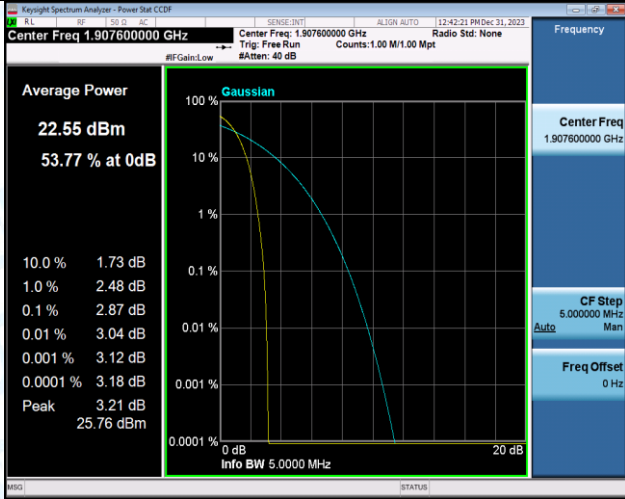
Band2-9262-PASS



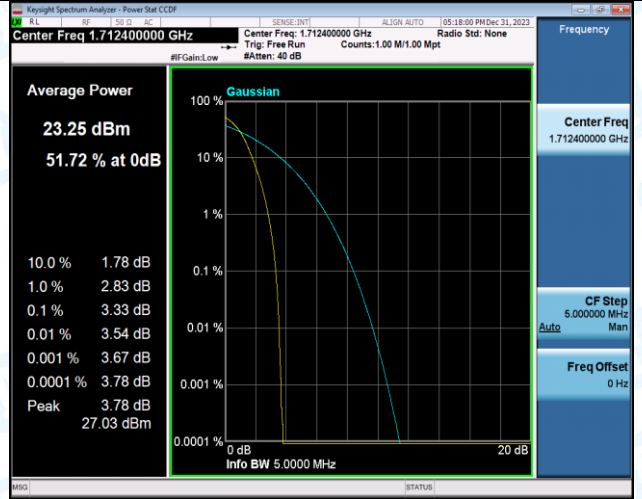
Band2-9400-PASS



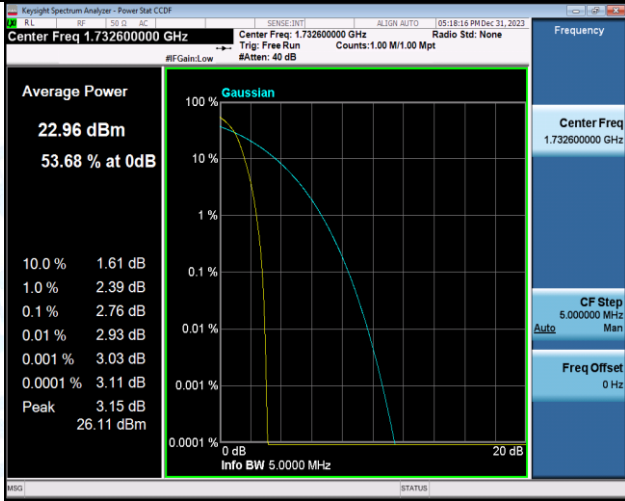
Band2-9538-PASS



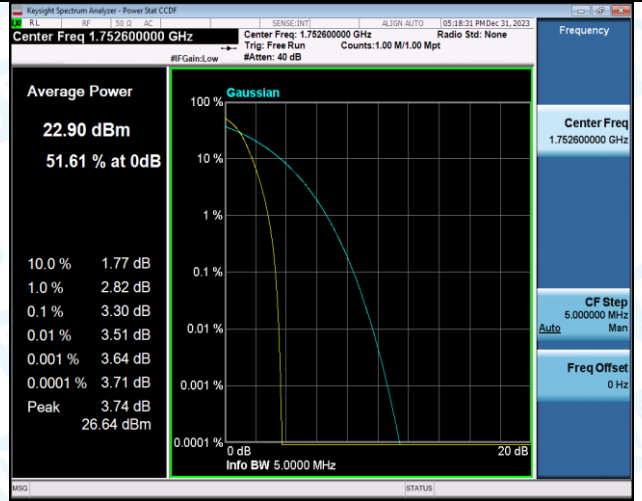
Band4-1312-PASS



Band4-1413-PASS



Band4-1513-PASS

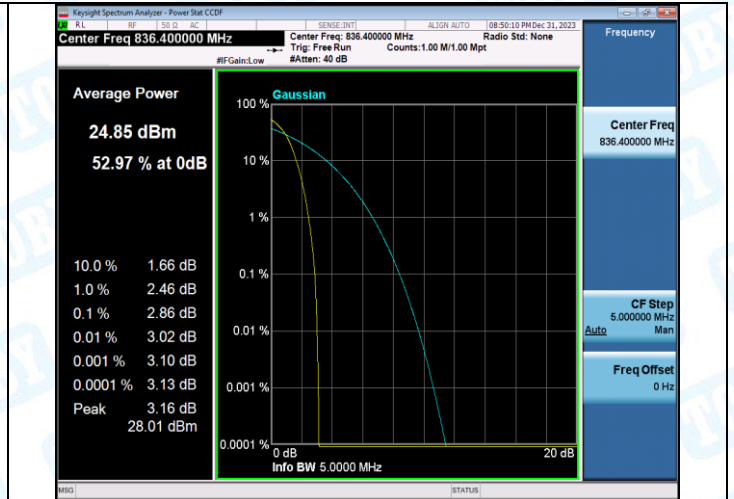


Band5-4132-PASS

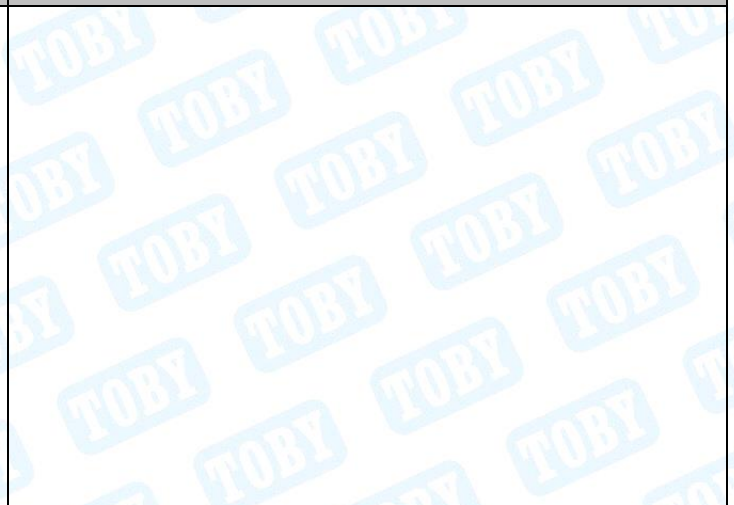


Band5-4182-PASS



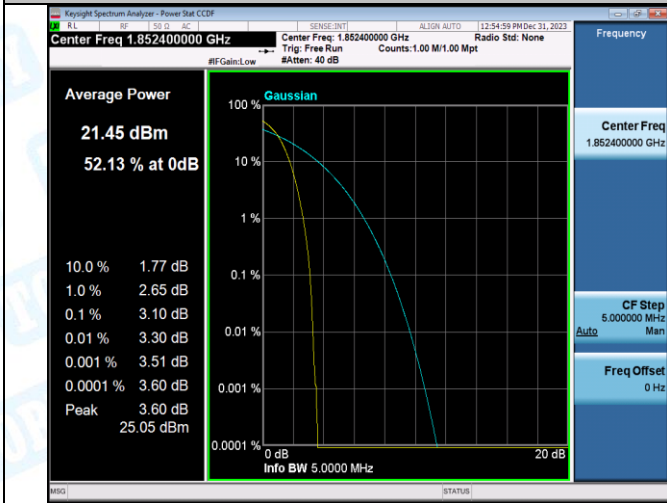


Band5-4233-PASS

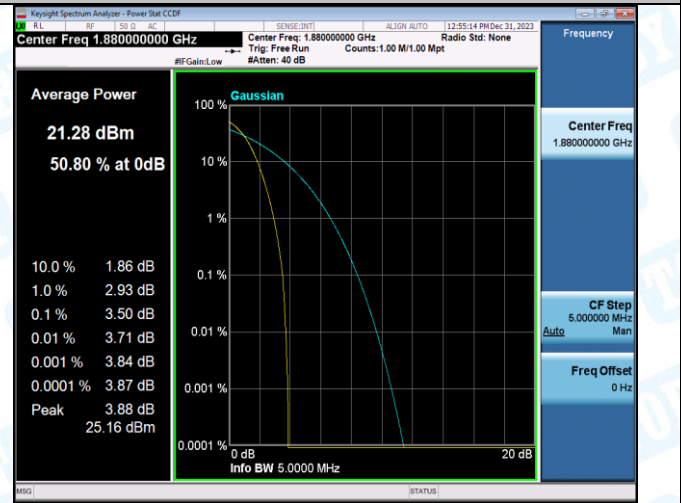


WCDMA_HSDPA

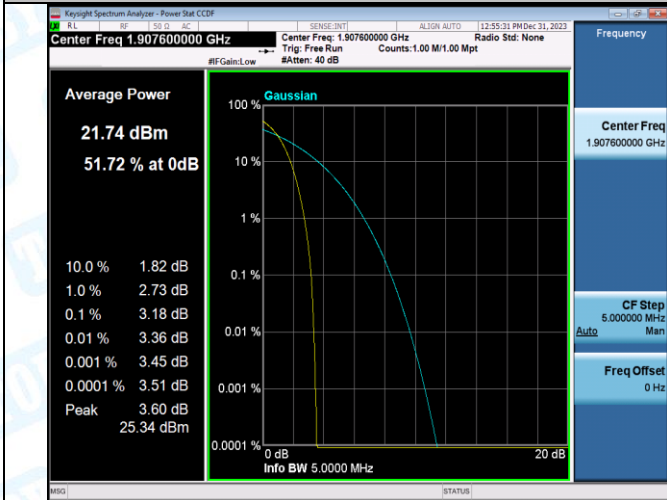
Band2-9262-1-PASS



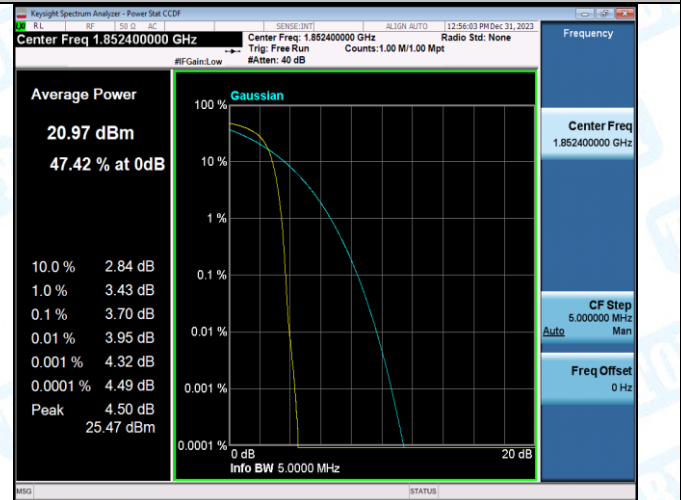
Band2-9400-1-PASS



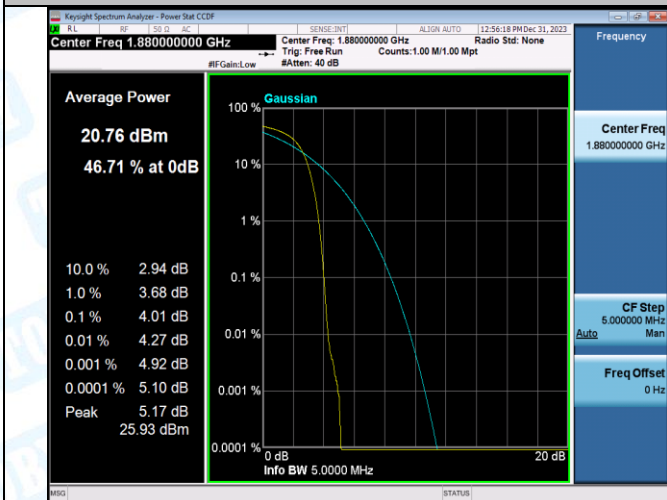
Band2-9538-1-PASS



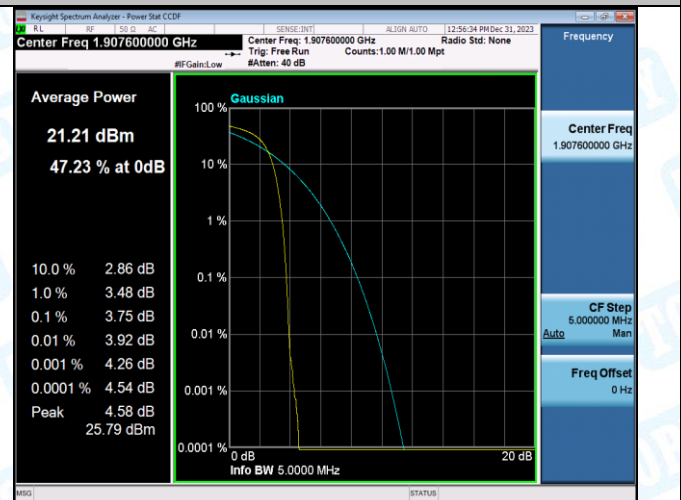
Band2-9262-2-PASS



Band2-9400-2-PASS



Band2-9538-2-PASS

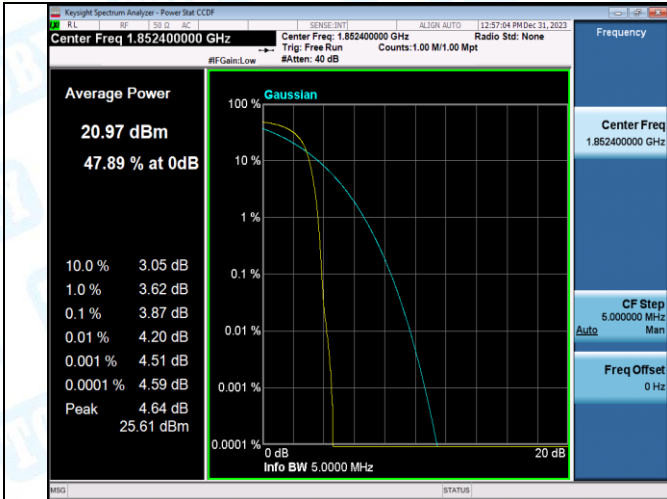


Band2-9262-3-PASS

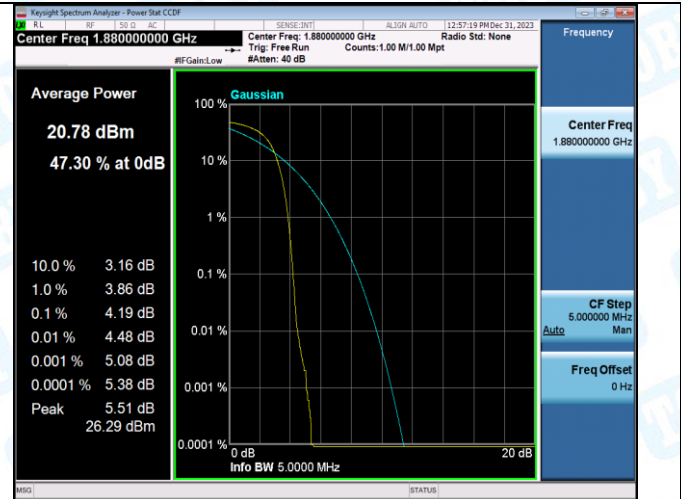


Band2-9400-3-PASS

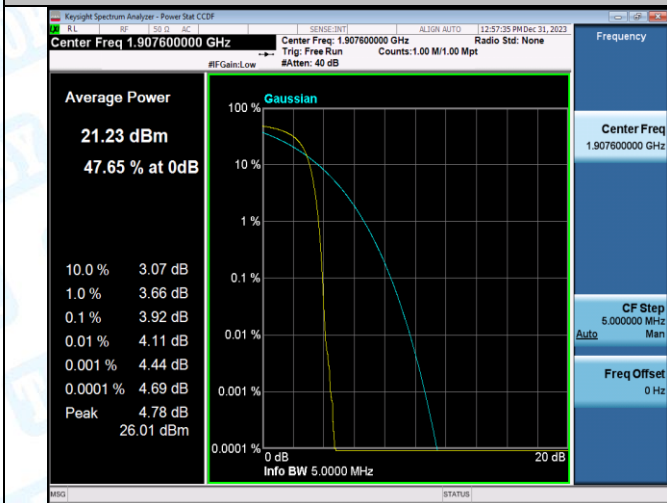




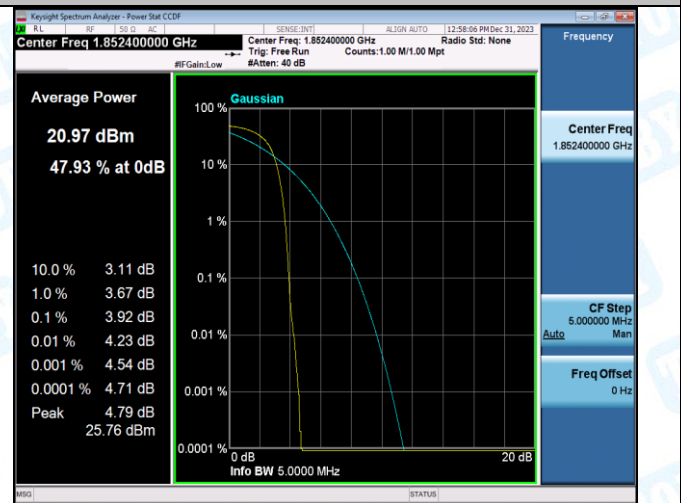
Band2-9538-3-PASS



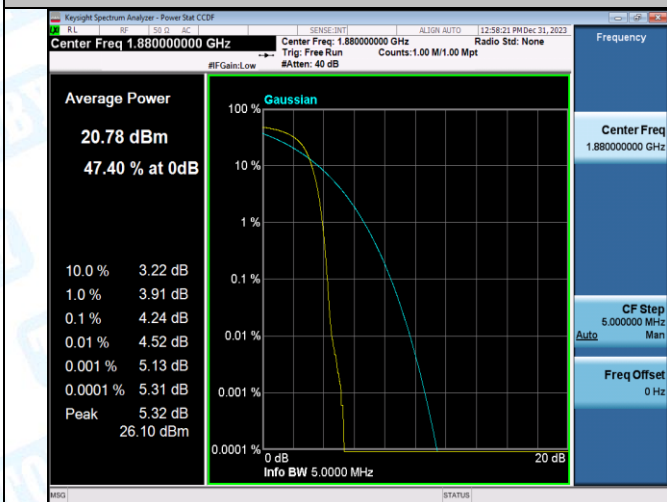
Band2-9262-4-PASS



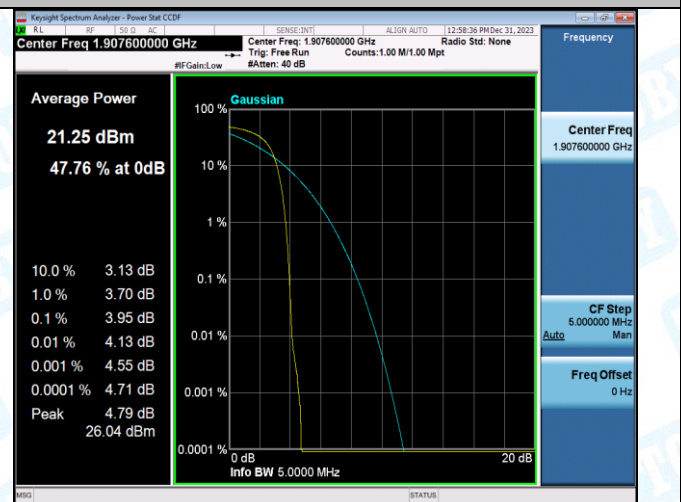
Band2-9400-4-PASS



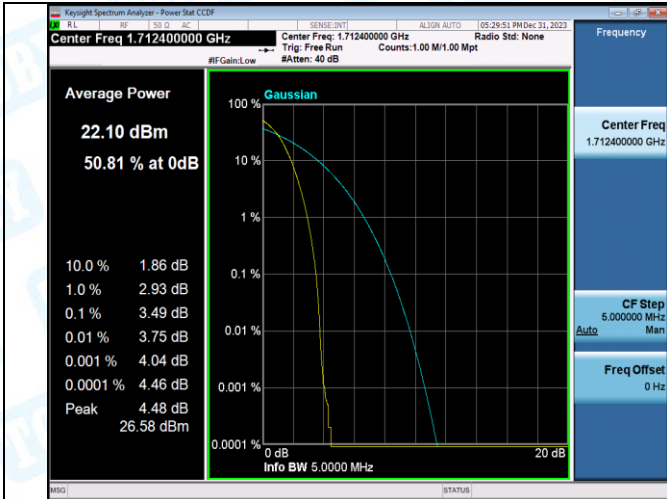
Band2-9538-4-PASS



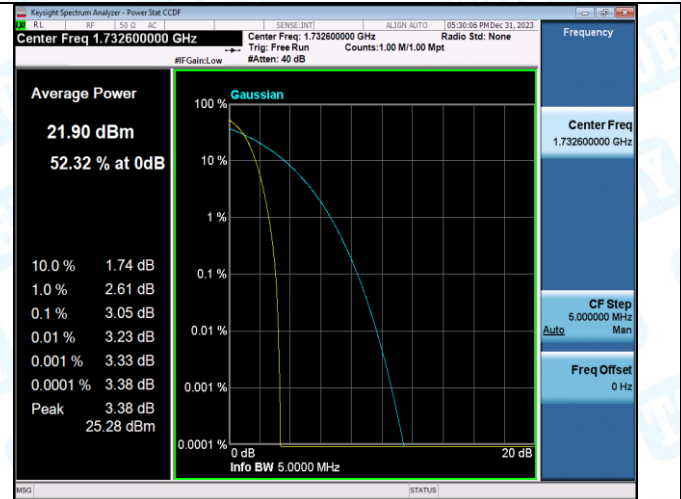
Band4-1312-1-PASS



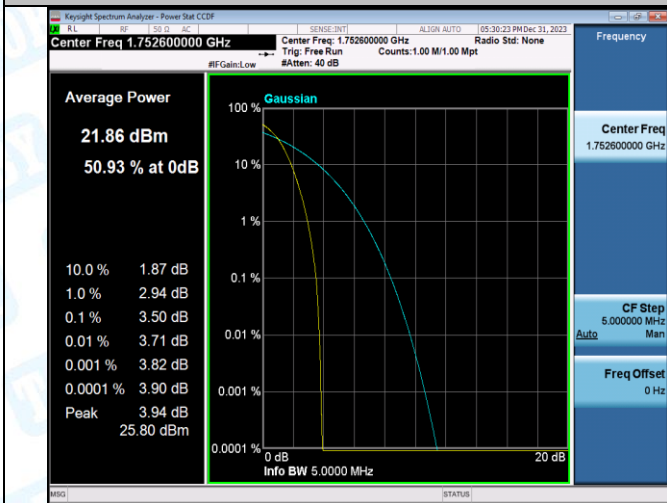
Band4-1413-1-PASS



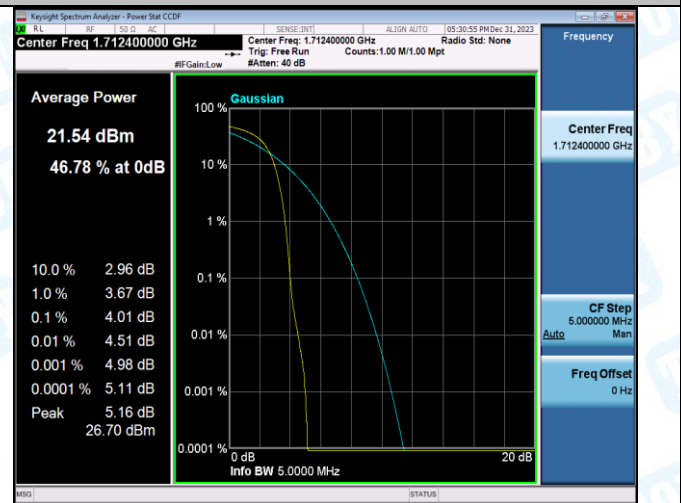
Band4-1513-1-PASS



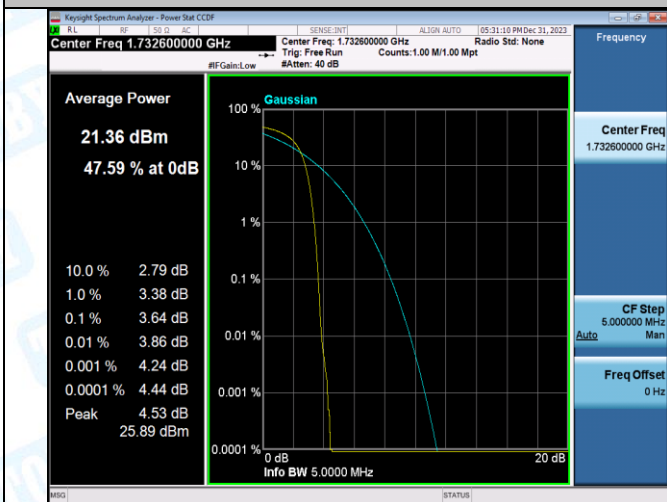
Band4-1312-2-PASS



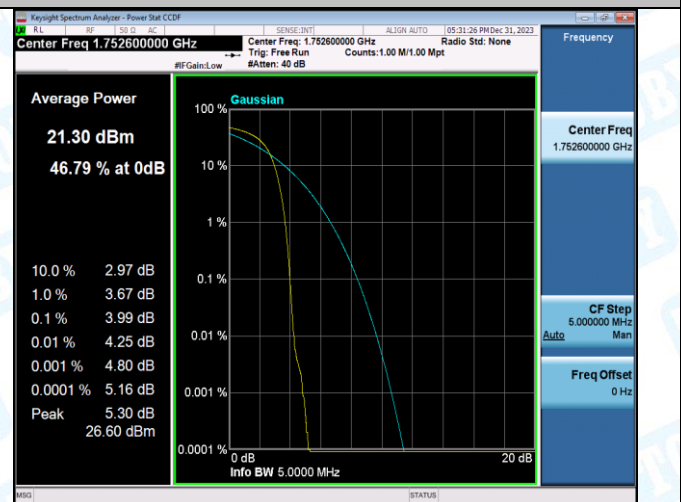
Band4-1413-2-PASS



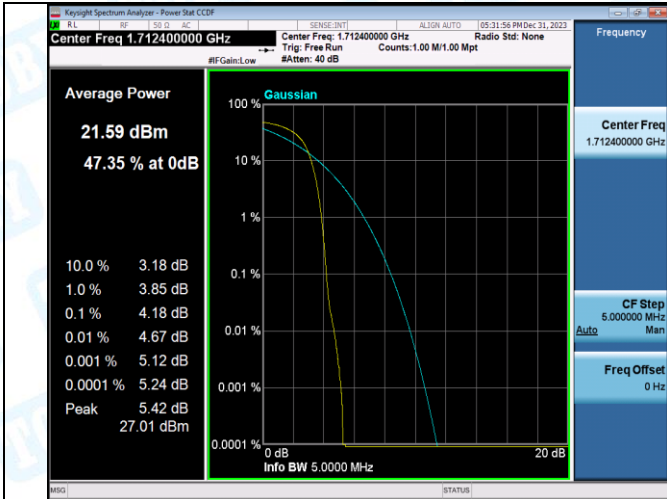
Band4-1513-2-PASS



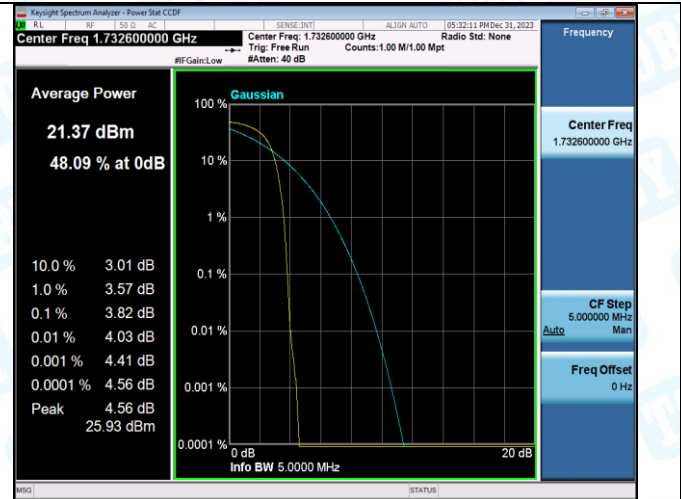
Band4-1312-3-PASS



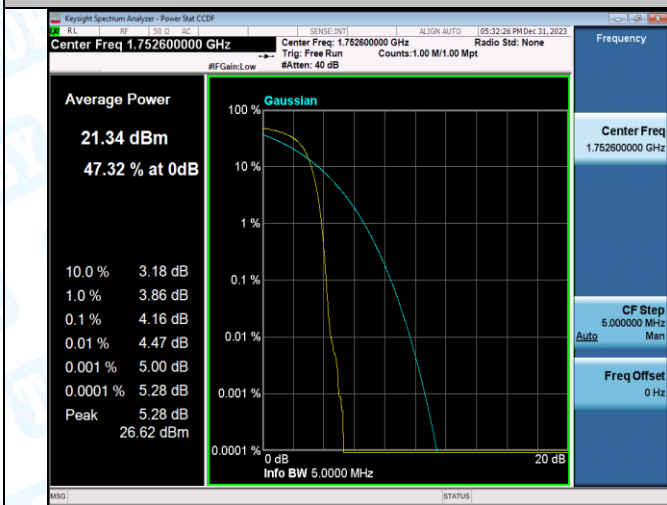
Band4-1413-3-PASS



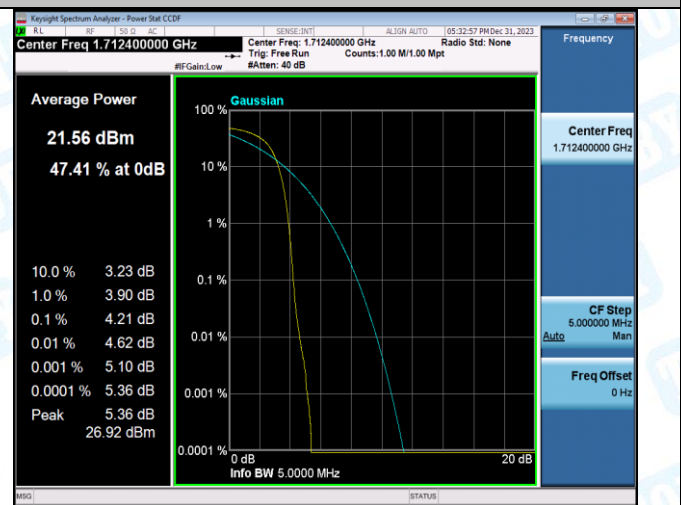
Band4-1513-3-PASS



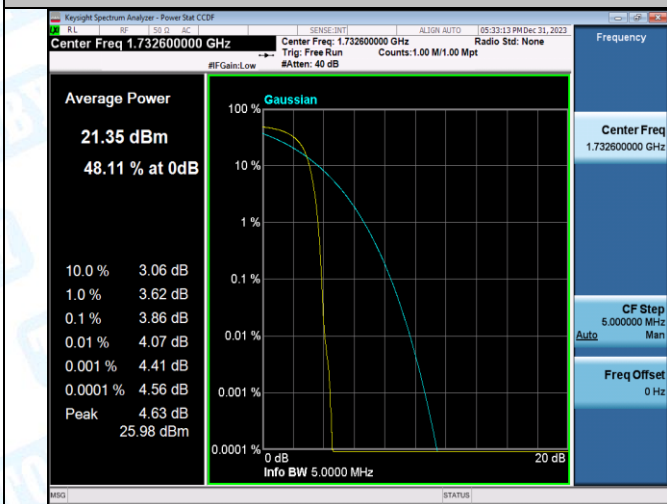
Band4-1312-4-PASS



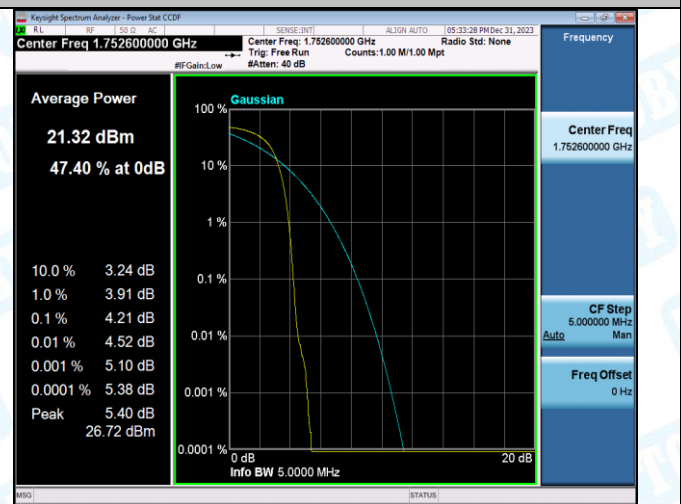
Band4-1413-4-PASS



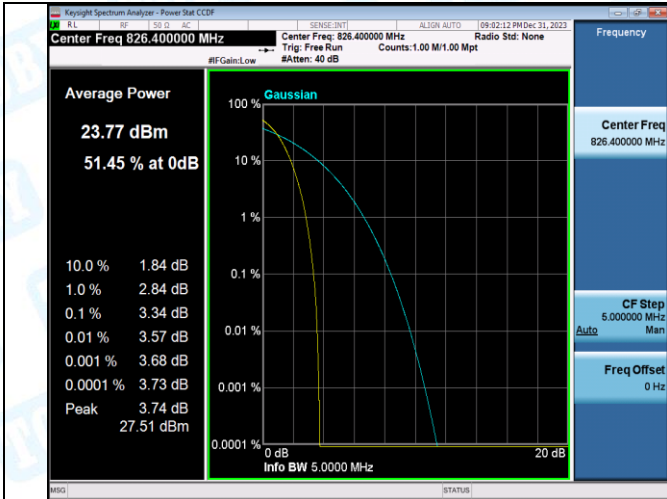
Band4-1513-4-PASS



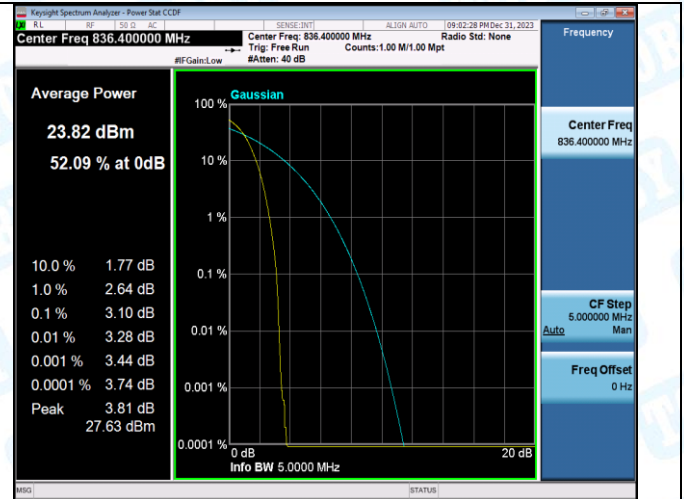
Band5-4132-1-PASS



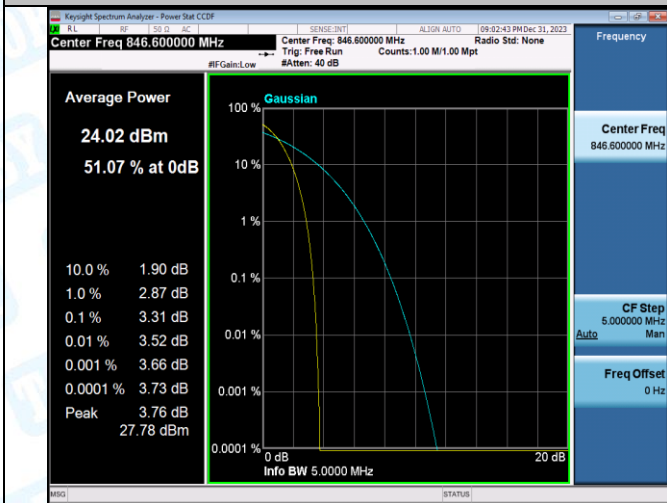
Band5-4182-1-PASS



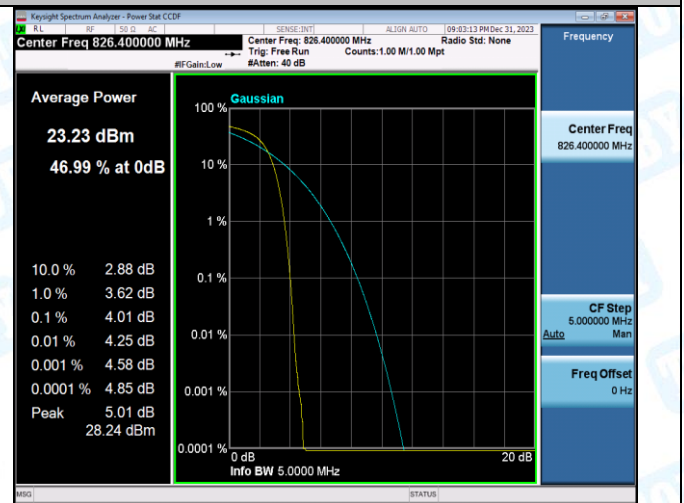
Band5-4233-1-PASS



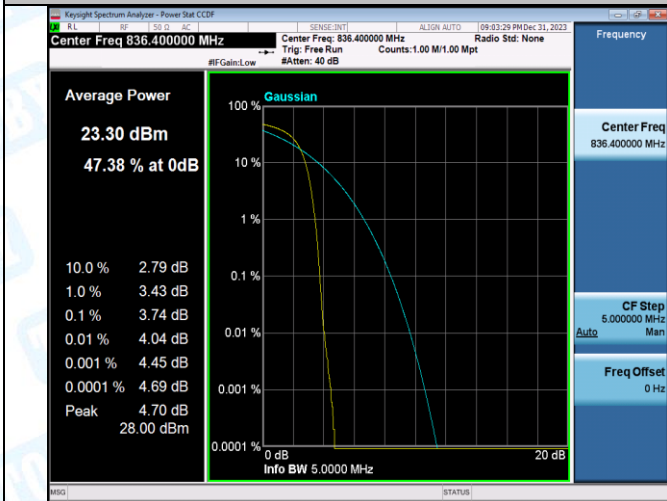
Band5-4132-2-PASS



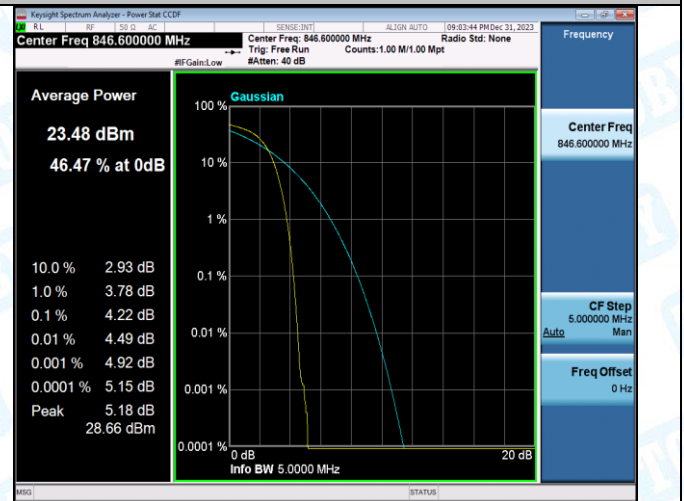
Band5-4182-2-PASS



Band5-4233-2-PASS



Band5-4132-3-PASS



Band5-4182-3-PASS