



## Appendix F: Test Data for E-UTRA Band 2

Product Name: Smart Phone

Test Model: HPPL63A

### Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





## F.1 Conducted Output Power Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	21.29	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.14	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.28	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	20.52	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.21	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	20.40	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	21.39	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	19.99	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	21.35	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	19.94	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.35	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	20.02	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	20.29	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	19.35	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	21.73	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.13	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	21.73	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.21	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	21.74	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.16	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.88	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	20.64	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	21.85	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	20.72	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	21.86	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	20.85	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	20.97	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.12	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.38	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.11	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.44	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.15	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.38	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band2	1.4MHz	QPSK	19193	3RB#0	23.26	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.12	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.32	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.10	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.24	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.17	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.36	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.65	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.41	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.39	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.40	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.50	PASS
Band2	3MHz	QPSK	18615	1RB#14	21.38	PASS
Band2	3MHz	16QAM	18615	1RB#14	20.53	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.42	PASS
Band2	3MHz	16QAM	18615	8RB#0	19.79	PASS
Band2	3MHz	QPSK	18615	8RB#4	20.51	PASS
Band2	3MHz	16QAM	18615	8RB#4	19.76	PASS
Band2	3MHz	QPSK	18615	8RB#7	20.49	PASS
Band2	3MHz	16QAM	18615	8RB#7	19.64	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.46	PASS
Band2	3MHz	16QAM	18615	15RB#0	19.56	PASS
Band2	3MHz	QPSK	18900	1RB#0	21.89	PASS
Band2	3MHz	16QAM	18900	1RB#0	20.94	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.03	PASS
Band2	3MHz	16QAM	18900	1RB#8	20.91	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.04	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.02	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.08	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.33	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.08	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.32	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.03	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.35	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.13	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.17	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.25	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.26	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.32	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.30	PASS





Band2	3MHz	QPSK	19185	1RB#14	23.34	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.34	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.46	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.66	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.45	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.70	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.43	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.72	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.37	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.58	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.55	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.12	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.53	PASS
Band2	5MHz	16QAM	18625	1RB#12	20.01	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.67	PASS
Band2	5MHz	16QAM	18625	1RB#24	20.04	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.52	PASS
Band2	5MHz	16QAM	18625	12RB#0	19.61	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.51	PASS
Band2	5MHz	16QAM	18625	12RB#6	19.60	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.48	PASS
Band2	5MHz	16QAM	18625	12RB#13	19.67	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.49	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.72	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.09	PASS
Band2	5MHz	16QAM	18900	1RB#0	20.62	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.18	PASS
Band2	5MHz	16QAM	18900	1RB#12	20.62	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.29	PASS
Band2	5MHz	16QAM	18900	1RB#24	20.67	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.14	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.23	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.15	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.24	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.19	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.23	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.09	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.31	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.39	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.94	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band2	5MHz	QPSK	19175	1RB#12	23.37	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.68	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.23	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.73	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.19	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.34	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.28	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.36	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.23	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.36	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.22	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.34	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.26	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.41	PASS
Band2	10MHz	QPSK	18650	1RB#24	21.32	PASS
Band2	10MHz	16QAM	18650	1RB#24	20.52	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.51	PASS
Band2	10MHz	16QAM	18650	1RB#49	20.67	PASS
Band2	10MHz	QPSK	18650	25RB#0	20.31	PASS
Band2	10MHz	16QAM	18650	25RB#0	19.40	PASS
Band2	10MHz	QPSK	18650	25RB#12	20.42	PASS
Band2	10MHz	16QAM	18650	25RB#12	19.40	PASS
Band2	10MHz	QPSK	18650	25RB#25	20.50	PASS
Band2	10MHz	16QAM	18650	25RB#25	19.58	PASS
Band2	10MHz	QPSK	18650	50RB#0	20.45	PASS
Band2	10MHz	16QAM	18650	50RB#0	19.56	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.79	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.08	PASS
Band2	10MHz	QPSK	18900	1RB#24	21.82	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.09	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.27	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.02	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.02	PASS
Band2	10MHz	QPSK	18900	25RB#12	20.88	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.02	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.06	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.02	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.09	PASS





Band2	10MHz	QPSK	19150	1RB#0	22.83	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.02	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.05	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.18	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.18	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.16	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.99	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.16	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.11	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.16	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.22	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.27	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.25	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.37	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.30	PASS
Band2	15MHz	16QAM	18675	1RB#0	20.47	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.49	PASS
Band2	15MHz	16QAM	18675	1RB#38	20.60	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.72	PASS
Band2	15MHz	16QAM	18675	1RB#74	20.85	PASS
Band2	15MHz	QPSK	18675	38RB#0	20.68	PASS
Band2	15MHz	16QAM	18675	38RB#0	20.67	PASS
Band2	15MHz	QPSK	18675	38RB#18	20.66	PASS
Band2	15MHz	16QAM	18675	38RB#18	20.66	PASS
Band2	15MHz	QPSK	18675	38RB#37	20.65	PASS
Band2	15MHz	16QAM	18675	38RB#37	20.65	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.65	PASS
Band2	15MHz	16QAM	18675	75RB#0	19.62	PASS
Band2	15MHz	QPSK	18900	1RB#0	21.82	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.13	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.89	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.10	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.10	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.31	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.02	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.02	PASS
Band2	15MHz	QPSK	18900	38RB#18	21.02	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.02	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.02	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.01	PASS





Band2	15MHz	QPSK	18900	75RB#0	21.01	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.11	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.53	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.64	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.02	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.12	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.17	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.27	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.15	PASS
Band2	15MHz	16QAM	19125	38RB#0	22.15	PASS
Band2	15MHz	QPSK	19125	38RB#18	22.15	PASS
Band2	15MHz	16QAM	19125	38RB#18	22.14	PASS
Band2	15MHz	QPSK	19125	38RB#37	22.13	PASS
Band2	15MHz	16QAM	19125	38RB#37	22.13	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.13	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.15	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.73	PASS
Band2	20MHz	16QAM	18700	1RB#0	20.41	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.01	PASS
Band2	20MHz	16QAM	18700	1RB#49	20.43	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.82	PASS
Band2	20MHz	16QAM	18700	1RB#99	20.67	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.61	PASS
Band2	20MHz	16QAM	18700	50RB#0	19.74	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.49	PASS
Band2	20MHz	16QAM	18700	50RB#25	19.74	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.79	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.03	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.75	PASS
Band2	20MHz	16QAM	18700	100RB#0	19.78	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.01	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.24	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.13	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.10	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.20	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.45	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.96	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.20	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.07	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.20	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band2	20MHz	QPSK	18900	50RB#50	21.14	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.27	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.20	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.20	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.36	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.50	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.17	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.25	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.44	PASS
Band2	20MHz	QPSK	19100	50RB#0	20.83	PASS
Band2	20MHz	16QAM	19100	50RB#0	19.84	PASS
Band2	20MHz	QPSK	19100	50RB#25	20.80	PASS
Band2	20MHz	16QAM	19100	50RB#25	19.99	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.36	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.42	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.09	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.09	PASS







## F.2 Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	3.45	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	4.62	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	4.53	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.37	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.44	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.52	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.13	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.92	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.21	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.30	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.09	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.89	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	3.38	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	4.37	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	4.65	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.47	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.39	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.29	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.19	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.98	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.12	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.07	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.13	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.93	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	3.55	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	4.47	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.10	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.79	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.56	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.24	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.42	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.09	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.38	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.19	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band2	5MHz	QPSK	19175	25RB#0	5.37	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.06	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	3.42	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	4.40	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.18	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.90	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.57	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.45	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.38	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.09	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	5.05	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.95	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.42	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.14	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	3.49	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	4.46	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.58	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.12	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.74	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.65	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.68	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.19	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	5.39	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	6.25	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.84	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.33	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	3.58	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	4.48	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.41	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.17	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.80	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.44	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.37	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.14	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	5.11	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.77	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.64	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.34	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

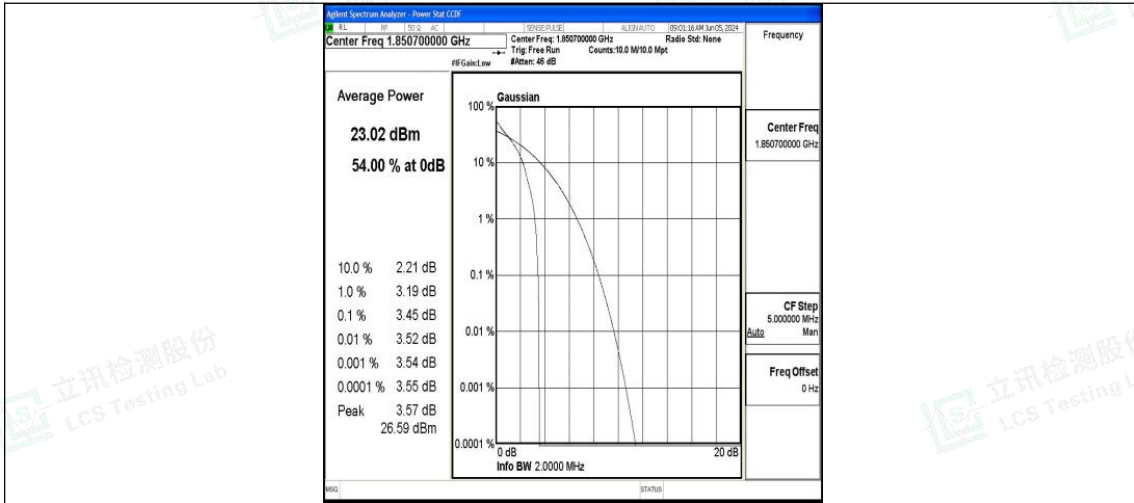
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

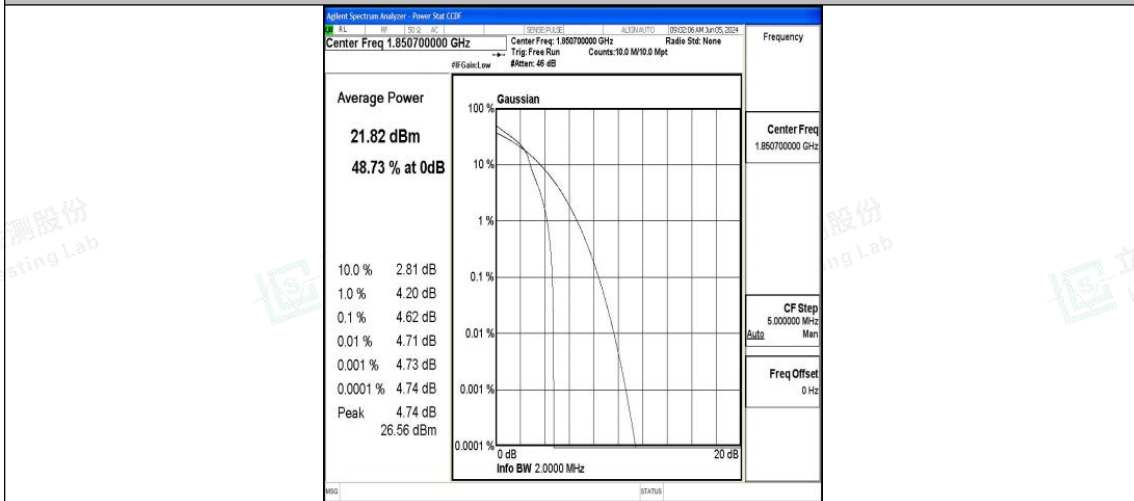
Scan code to check authenticity



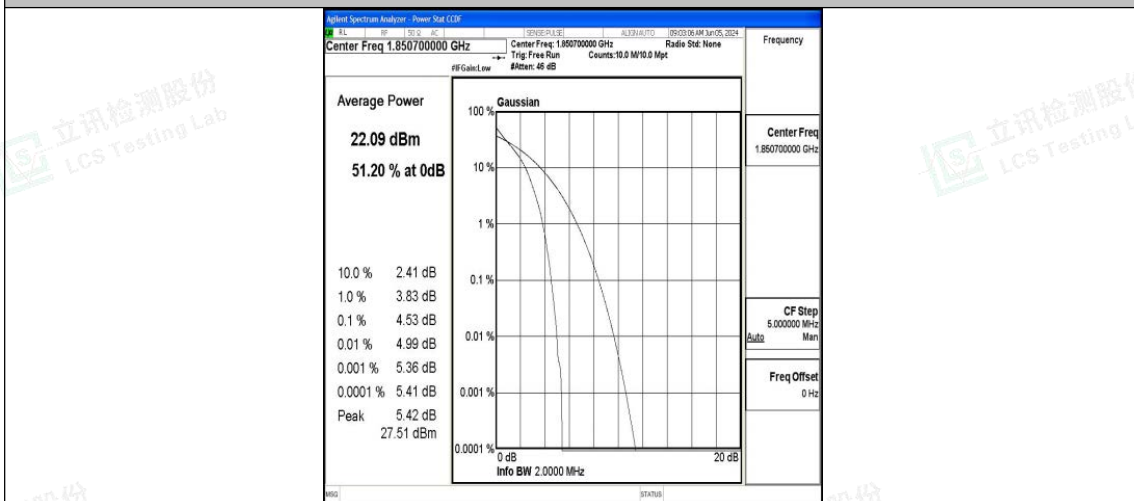
### Test Graphs



Band2-1.4MHz-QPSK-18607-1RB#0-PASS

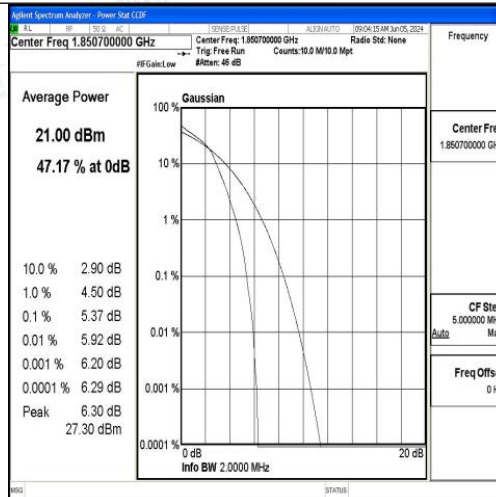


Band2-1.4MHz-16QAM-18607-1RB#0-PASS

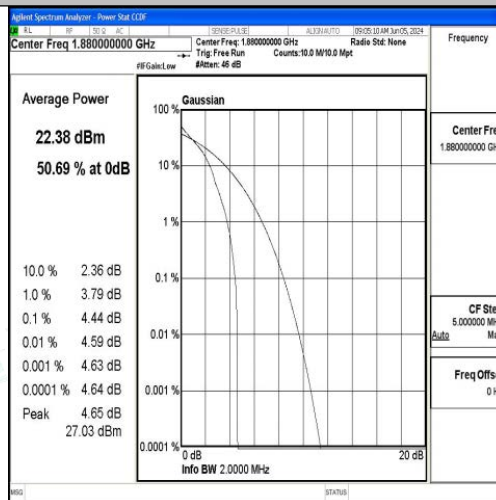


Band2-1.4MHz-QPSK-18607-6RB#0-PASS

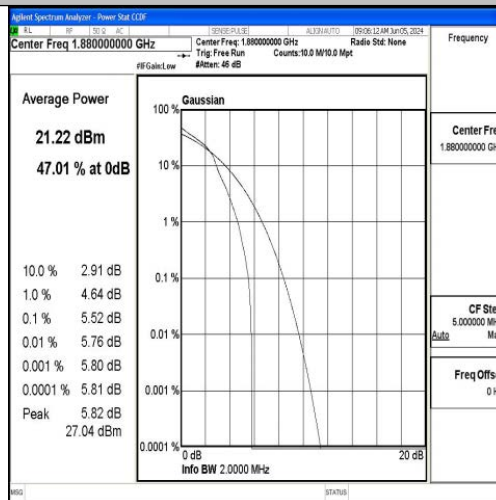




Band2-1.4MHz-16QAM-18607-6RB#0-PASS

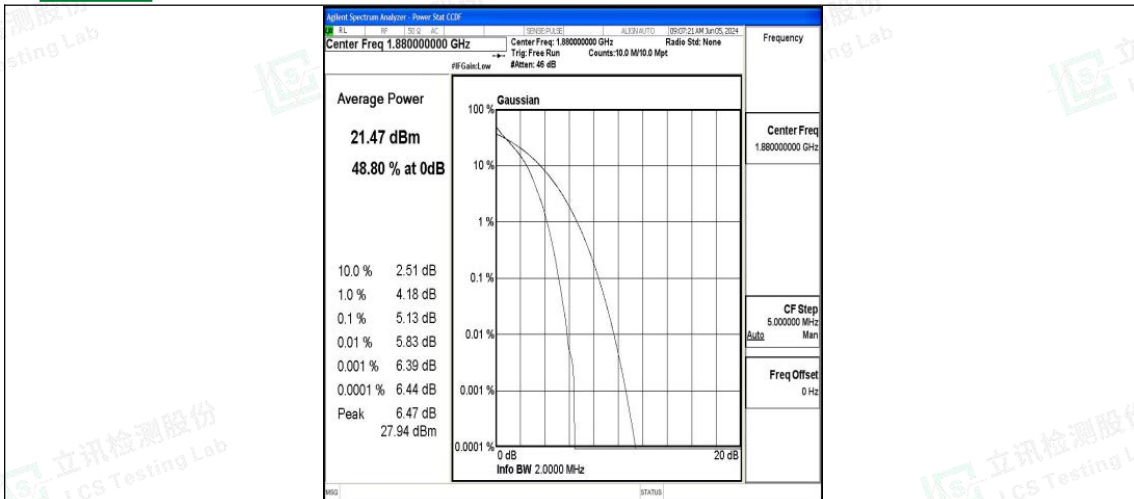


Band2-1.4MHz-QPSK-18900-1RB#0-PASS

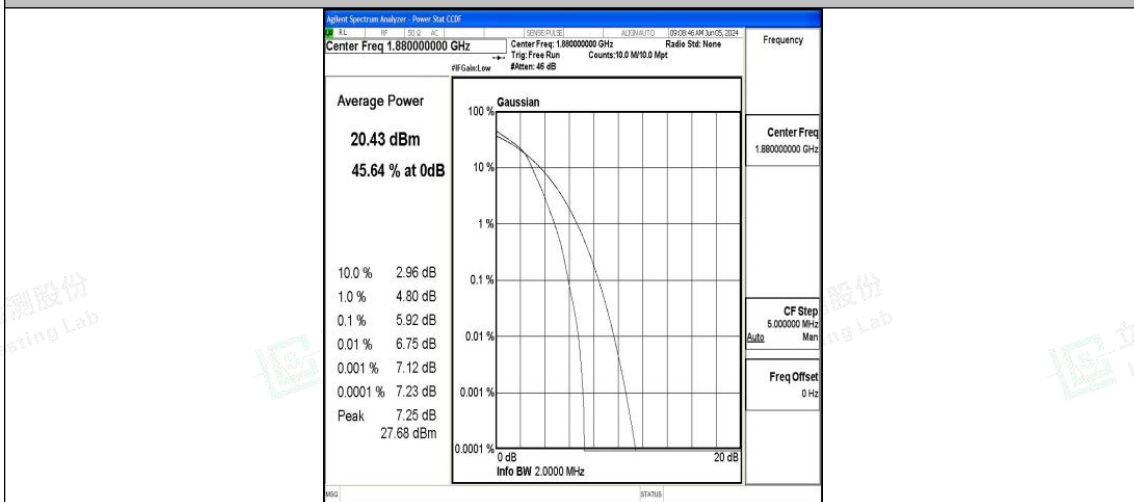


Band2-1.4MHz-16QAM-18900-1RB#0-PASS

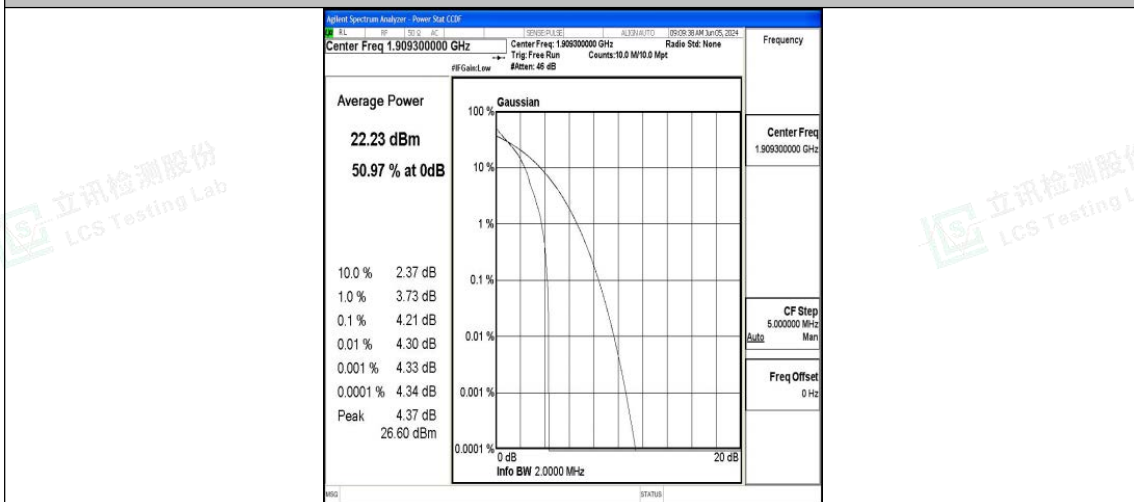




Band2-1.4MHz-QPSK-18900-6RB#0-PASS

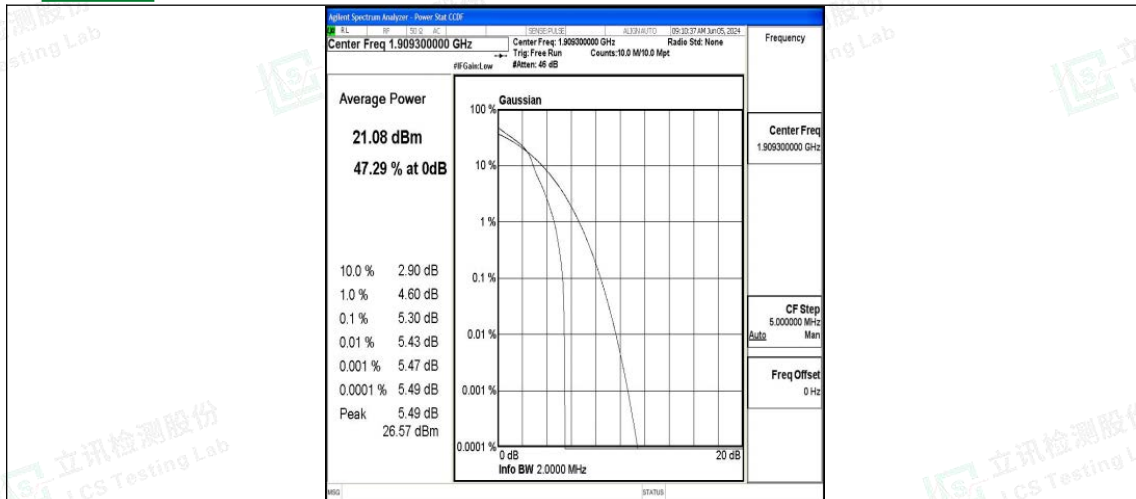


Band2-1.4MHz-16QAM-18900-6RB#0-PASS

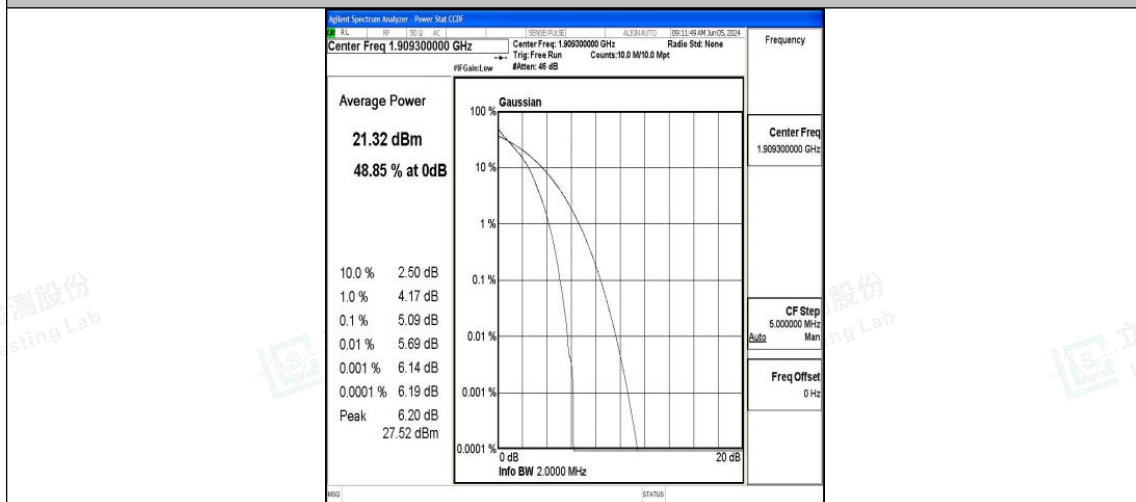


Band2-1.4MHz-QPSK-19193-1RB#0-PASS

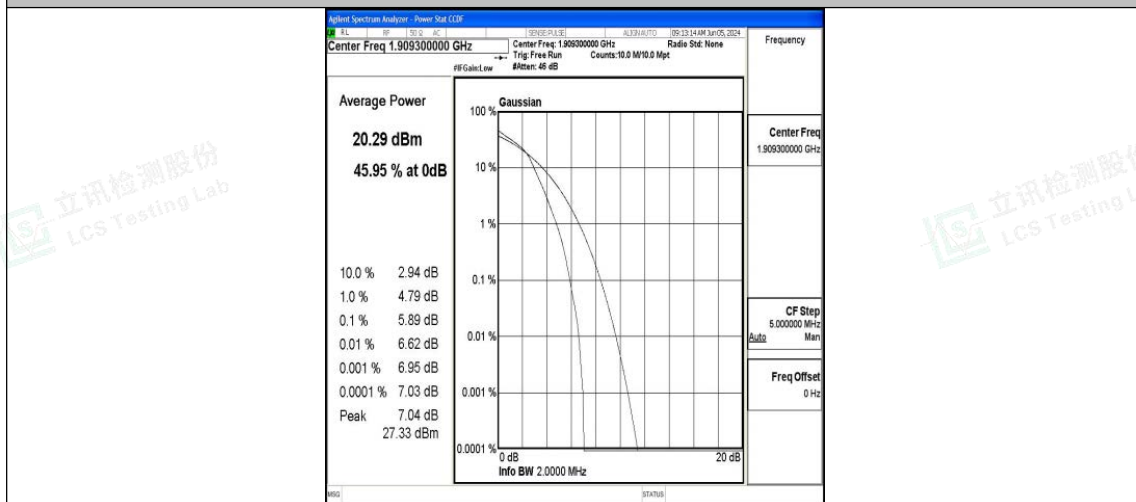




Band2-1.4MHz-16QAM-19193-1RB#0-PASS

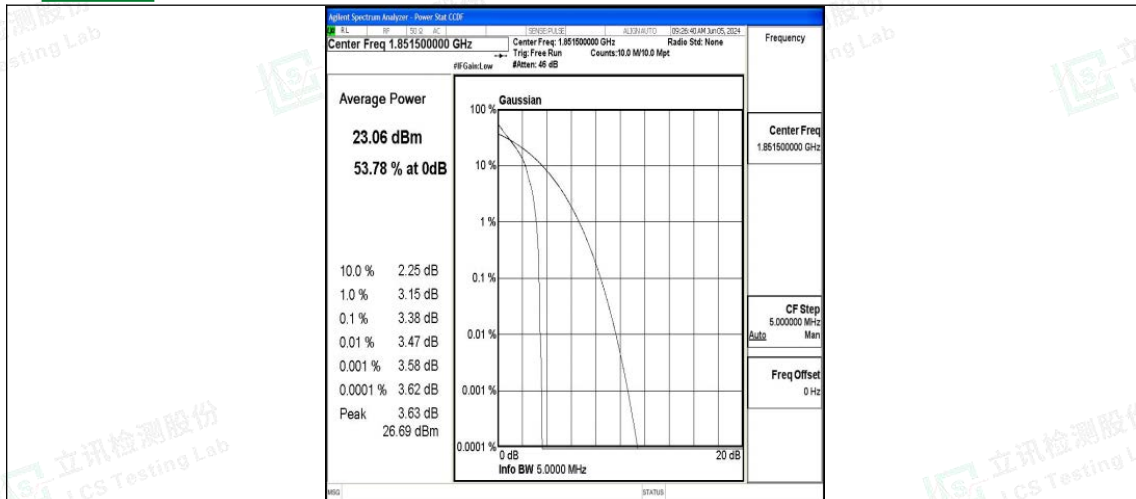


Band2-1.4MHz-QPSK-19193-6RB#0-PASS

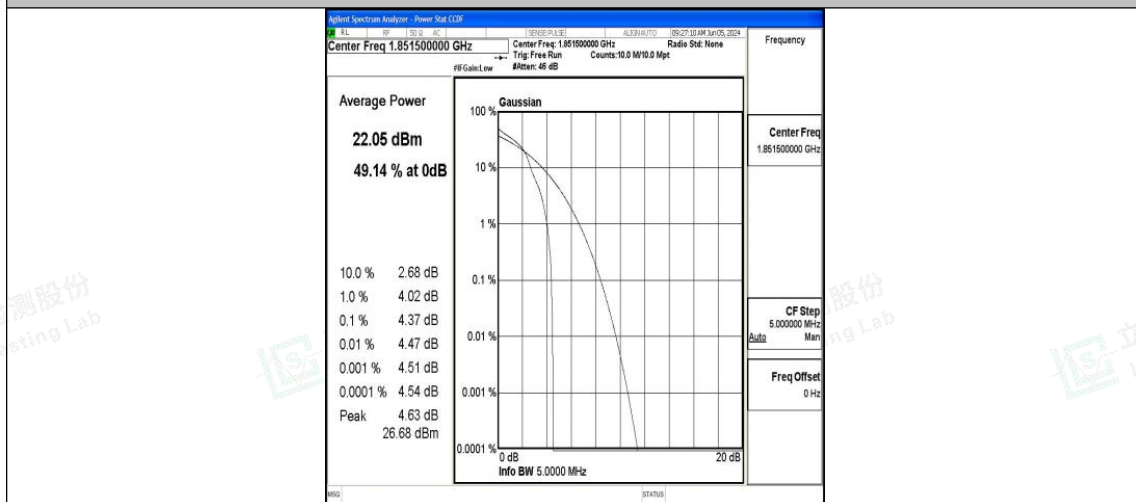


Band2-1.4MHz-16QAM-19193-6RB#0-PASS

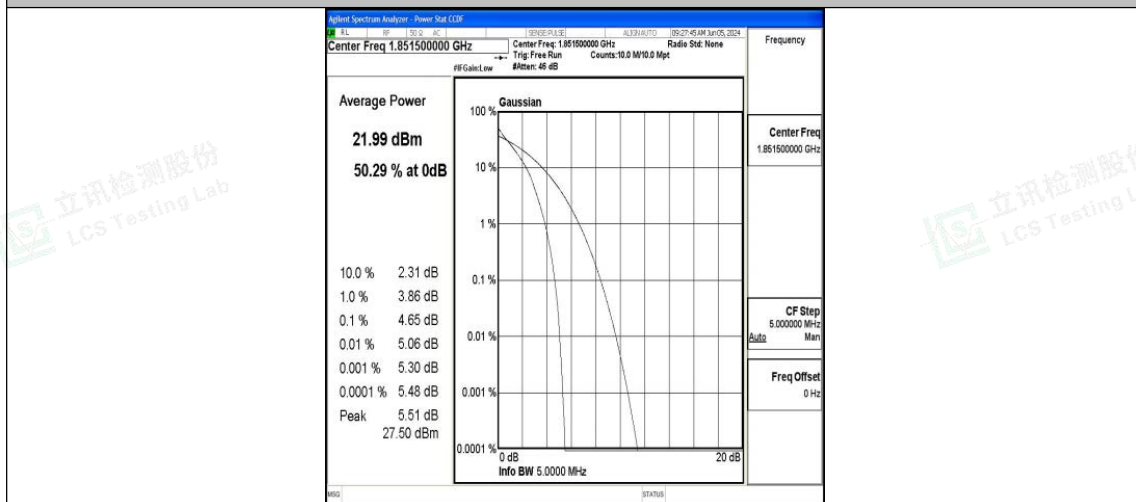




Band2-3MHz-QPSK-18615-1RB#0-PASS

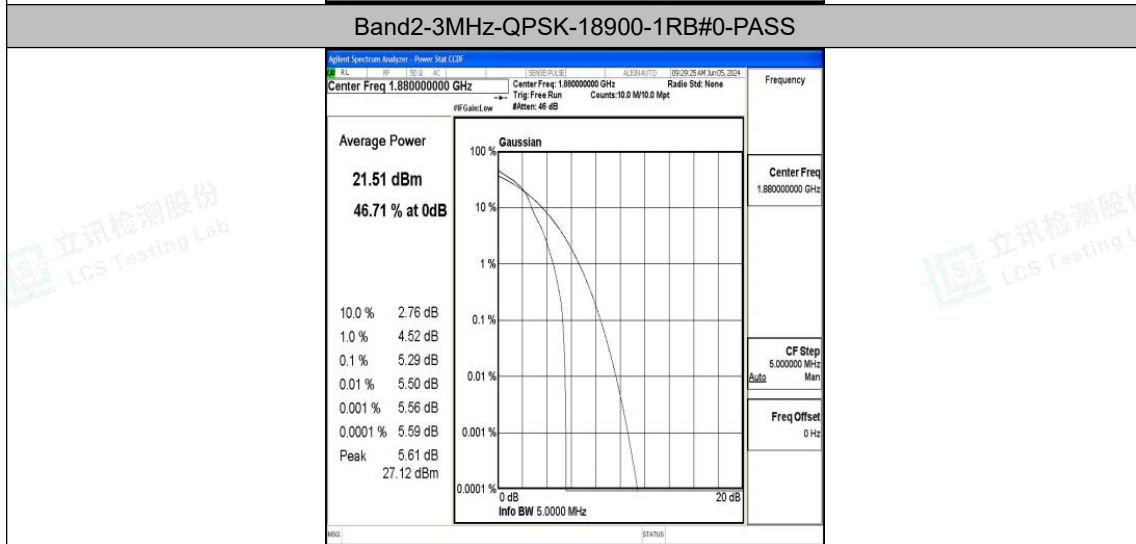
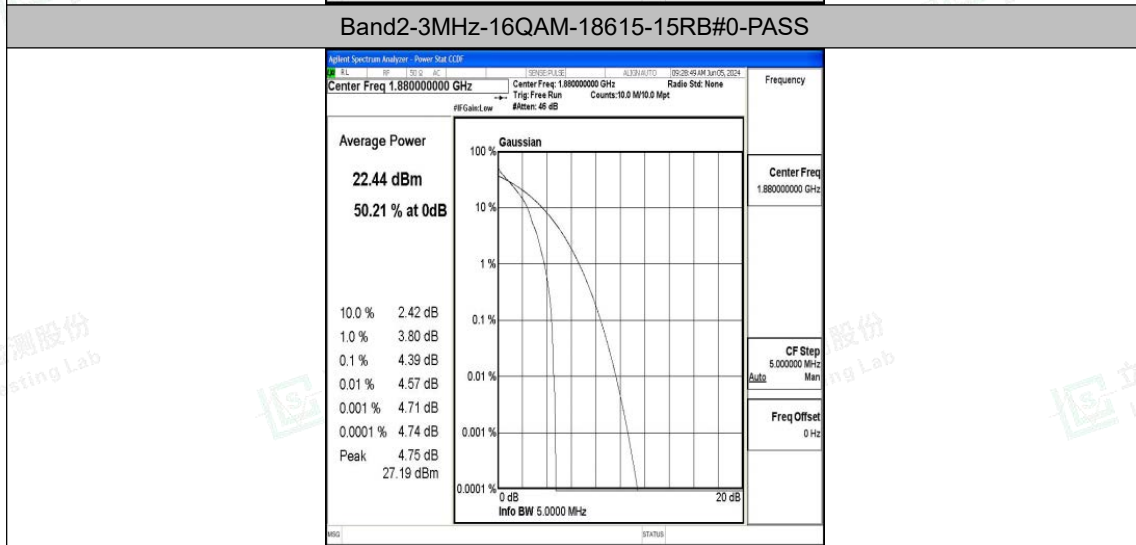
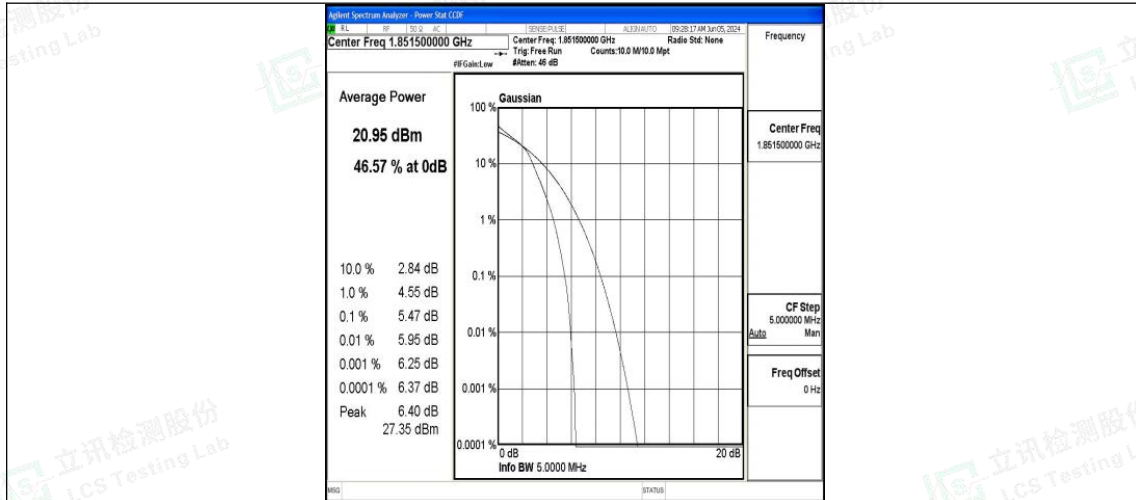


Band2-3MHz-16QAM-18615-1RB#0-PASS

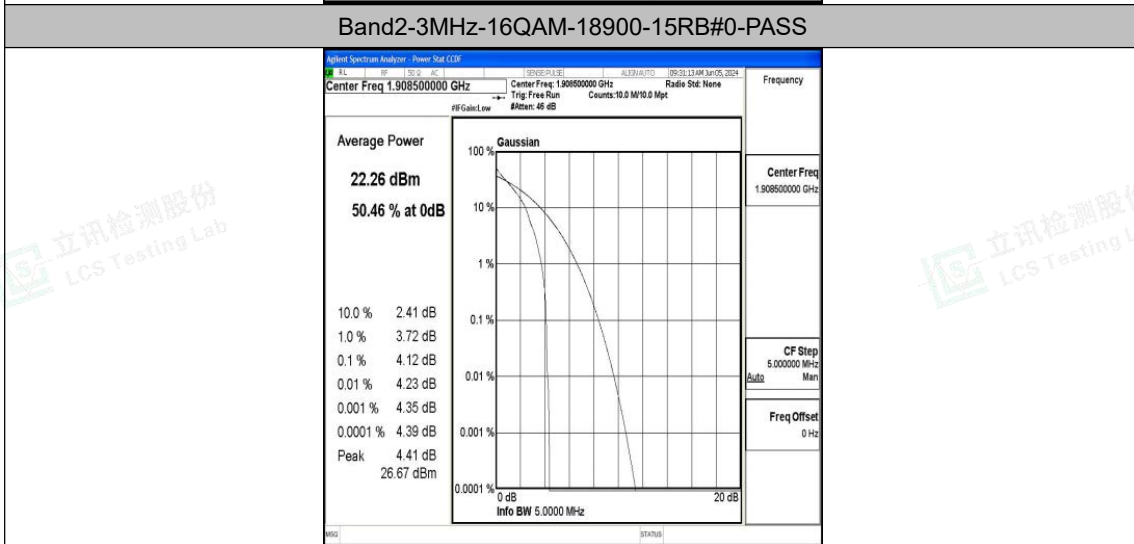
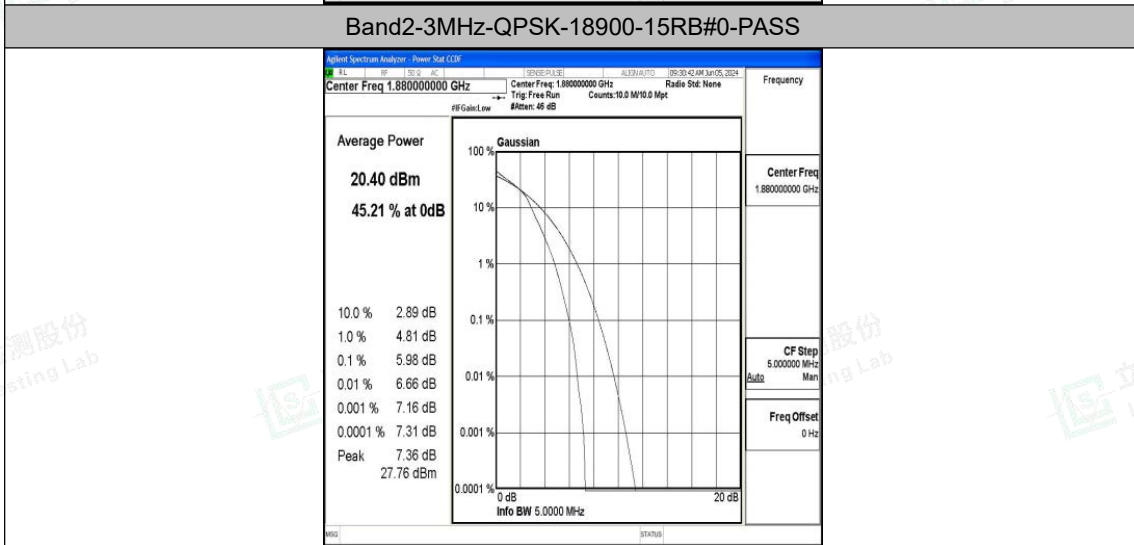
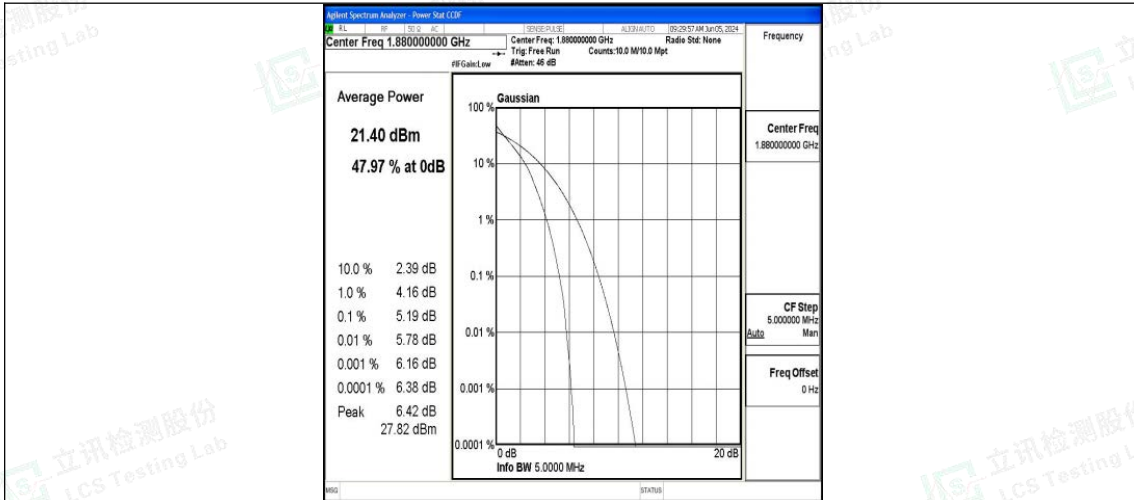


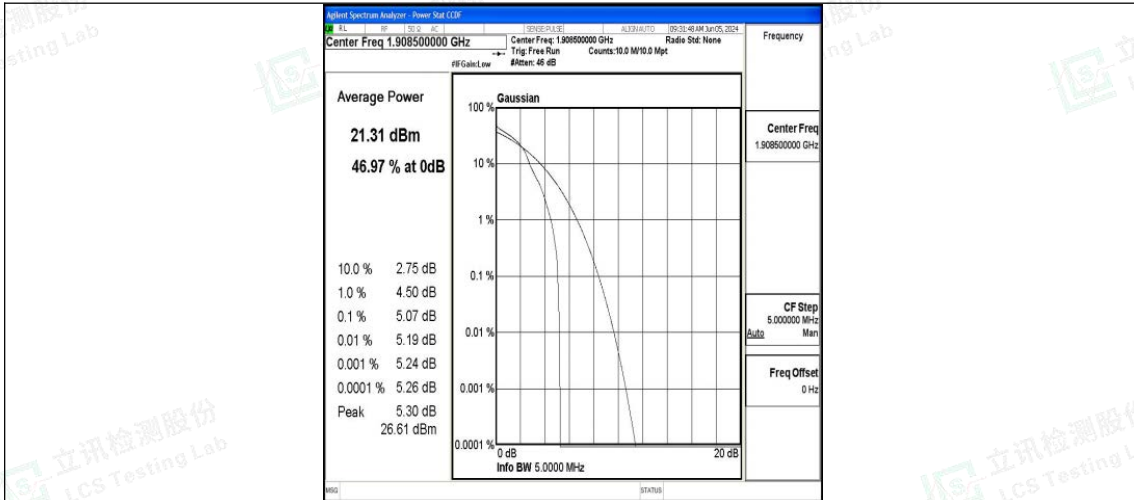
Band2-3MHz-QPSK-18615-15RB#0-PASS



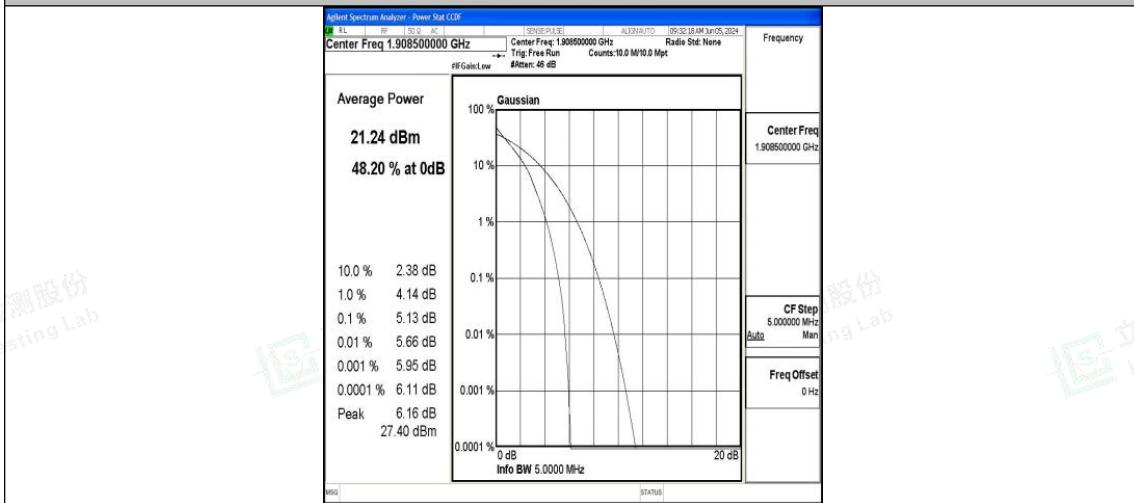




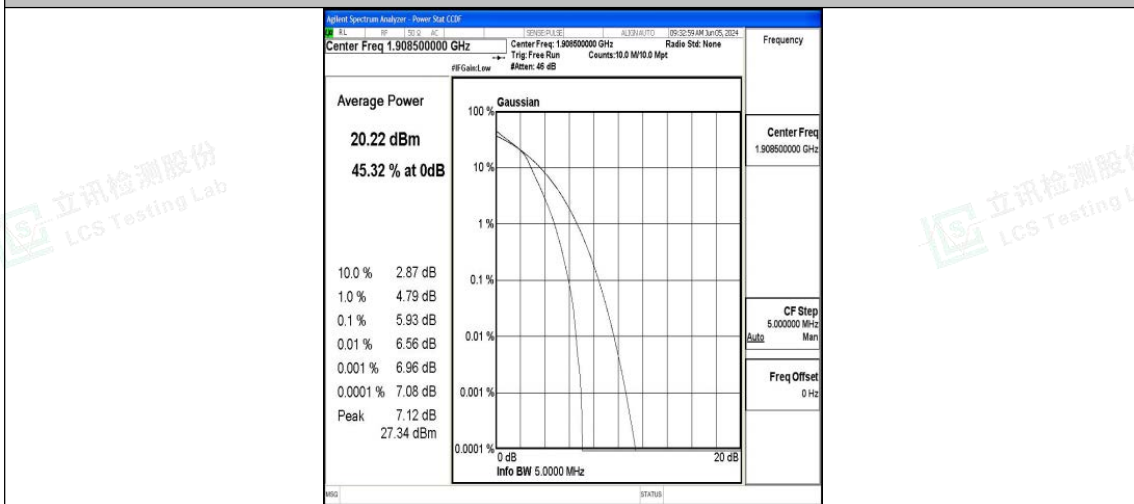




Band2-3MHz-16QAM-19185-1RB#0-PASS

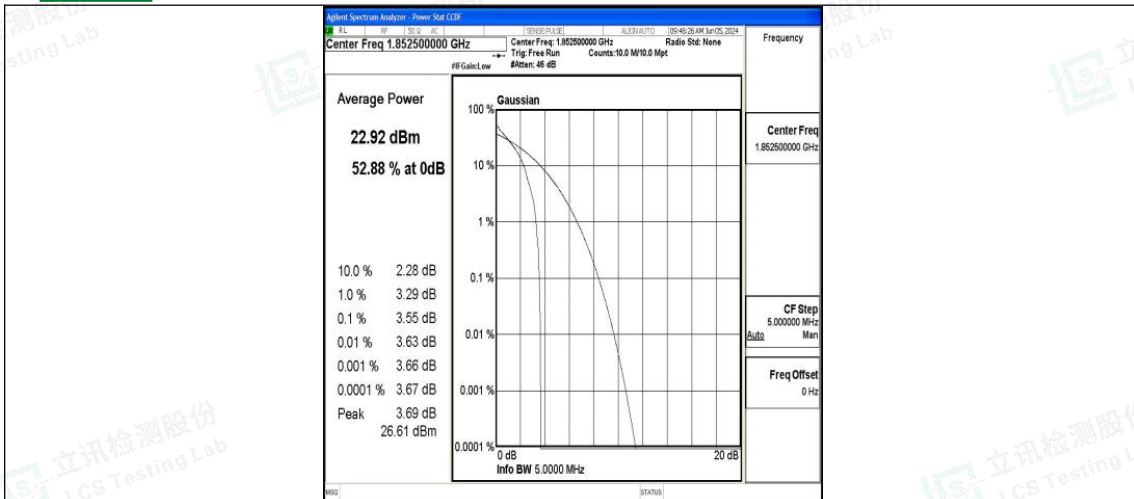


Band2-3MHz-QPSK-19185-15RB#0-PASS

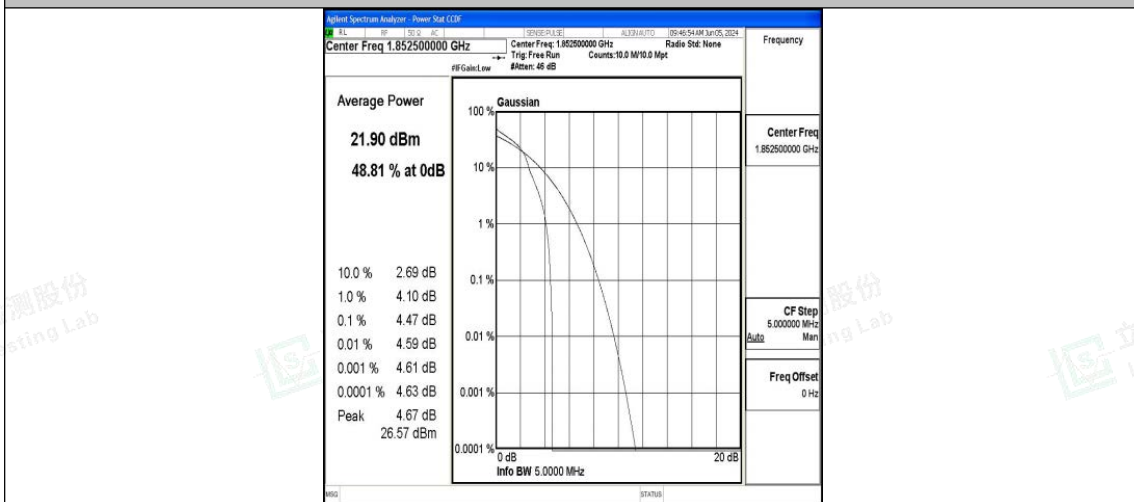


Band2-3MHz-16QAM-19185-15RB#0-PASS

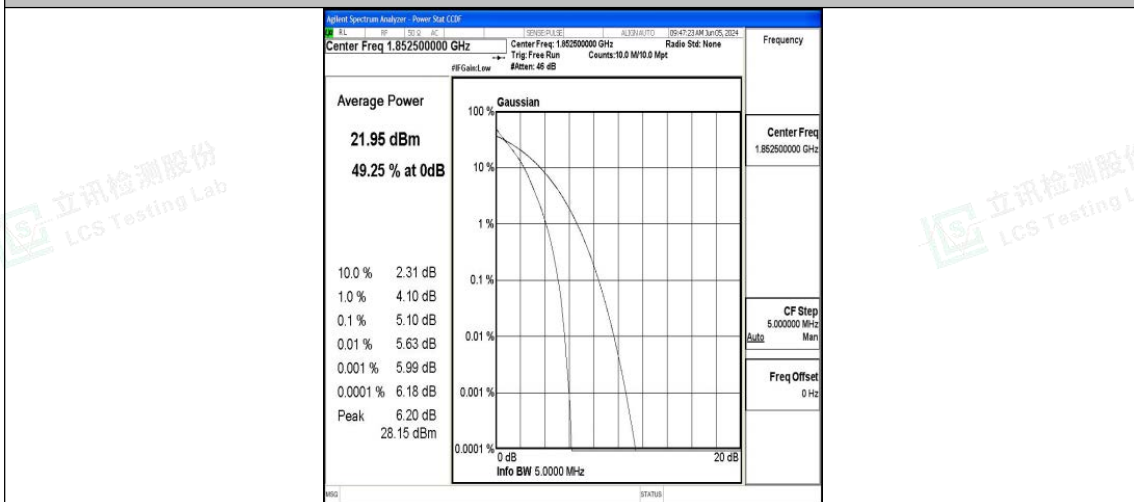




Band2-5MHz-QPSK-18625-1RB#0-PASS

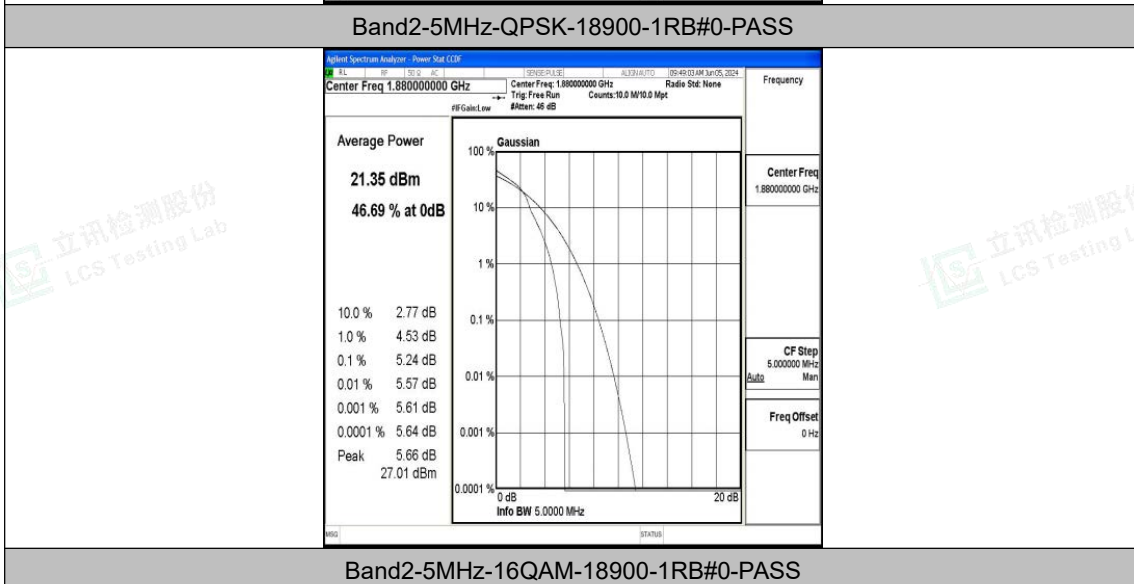
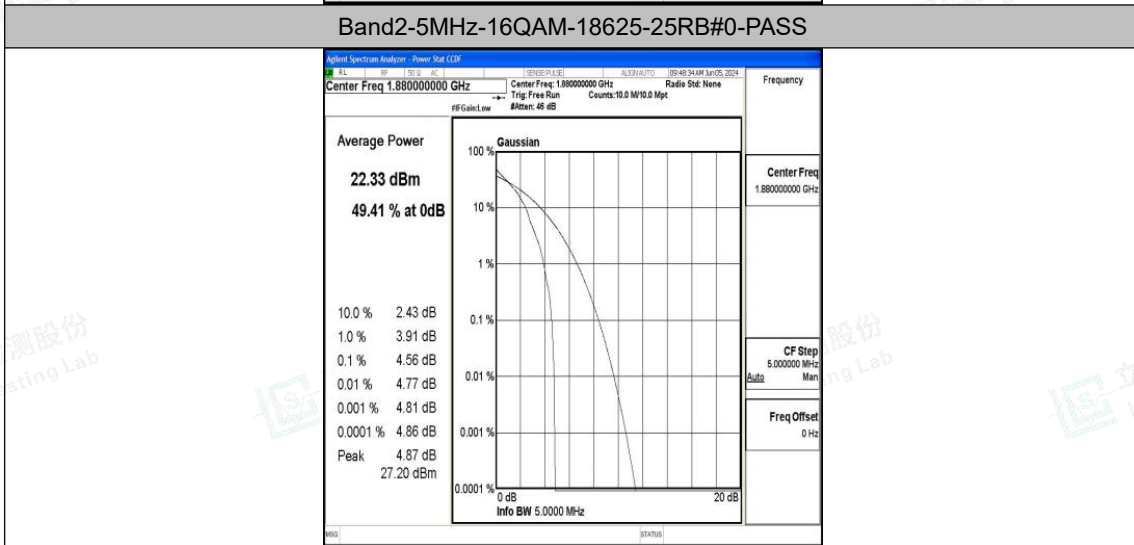
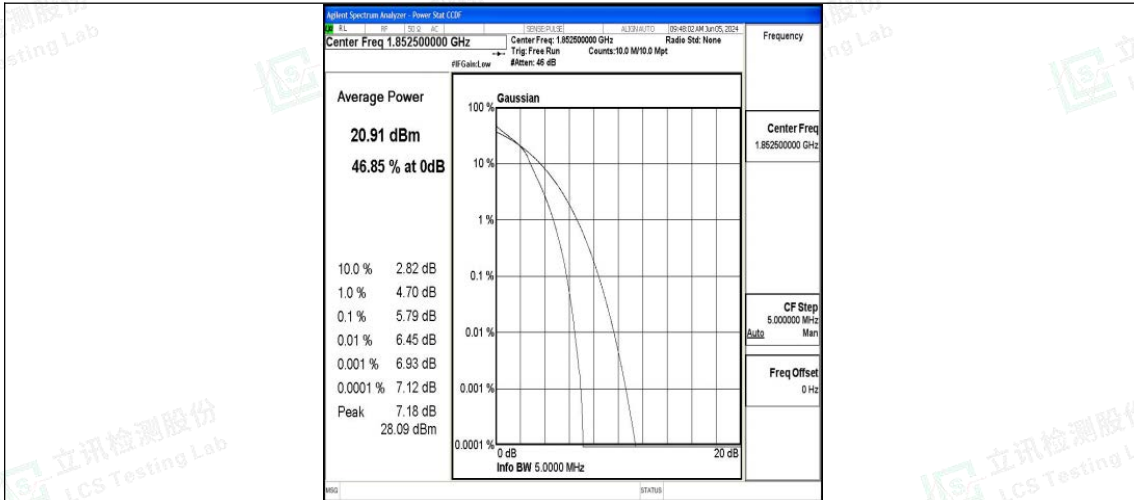


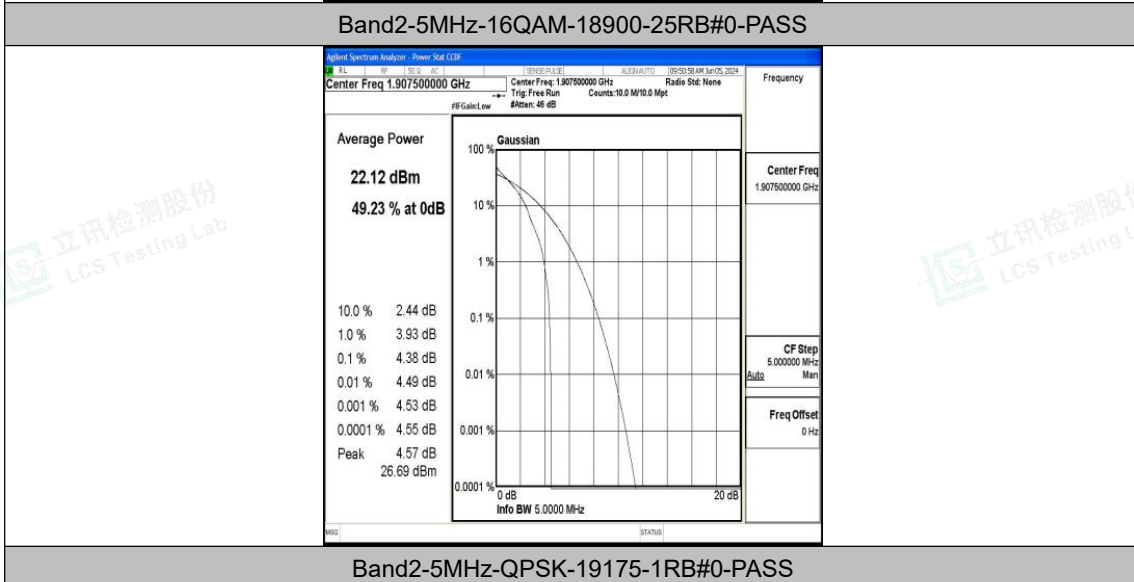
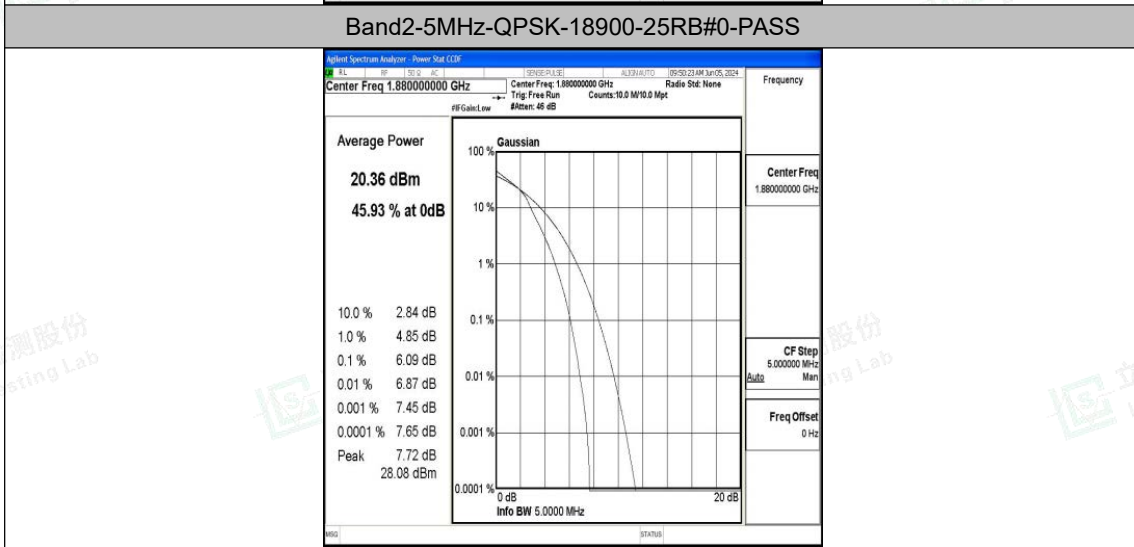
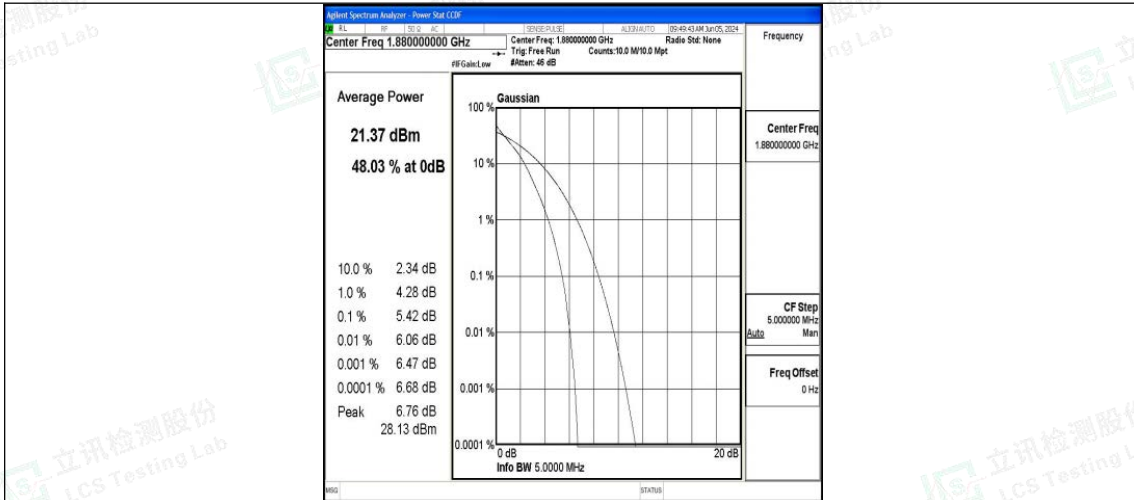
Band2-5MHz-16QAM-18625-1RB#0-PASS

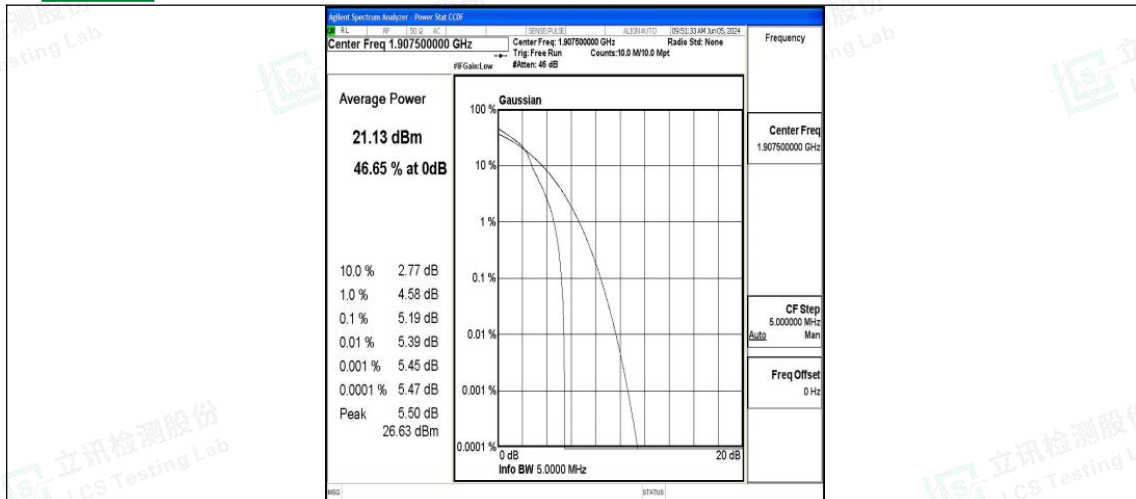


Band2-5MHz-QPSK-18625-25RB#0-PASS

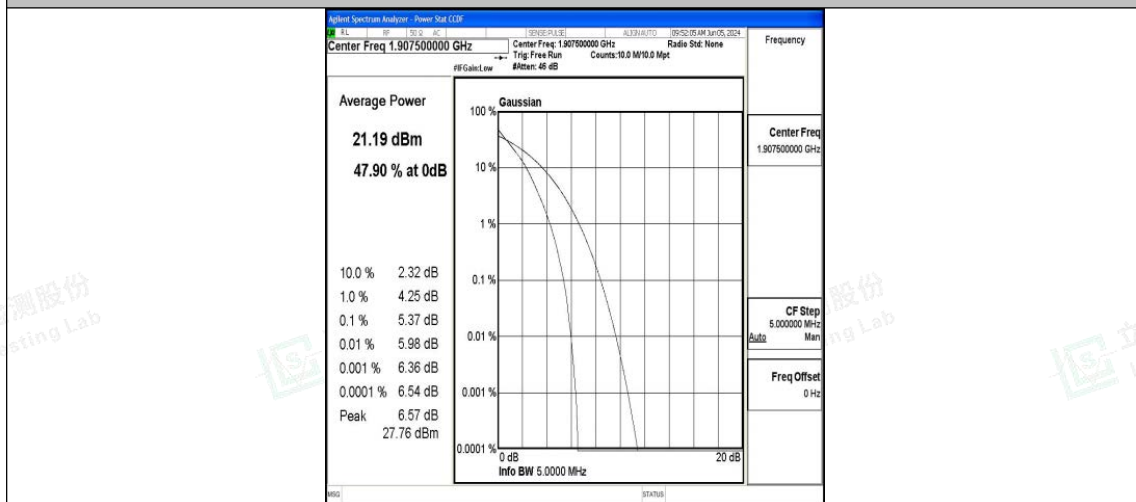




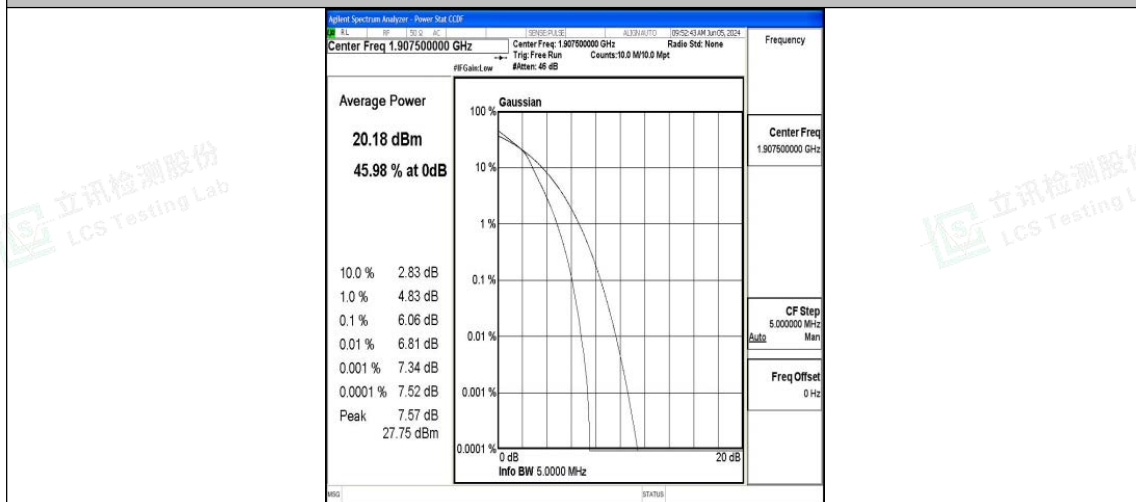




Band2-5MHz-16QAM-19175-1RB#0-PASS

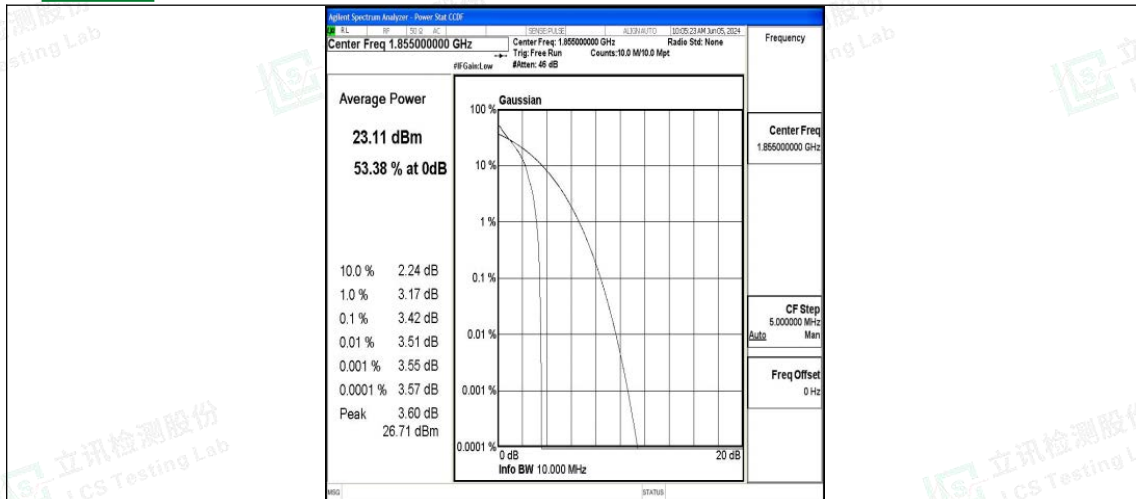


Band2-5MHz-QPSK-19175-25RB#0-PASS

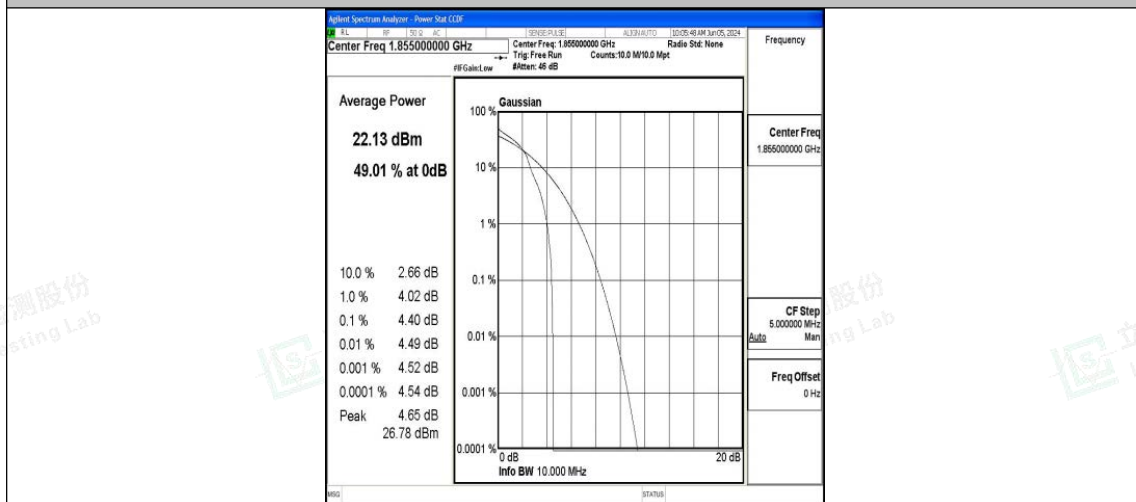


Band2-5MHz-16QAM-19175-25RB#0-PASS

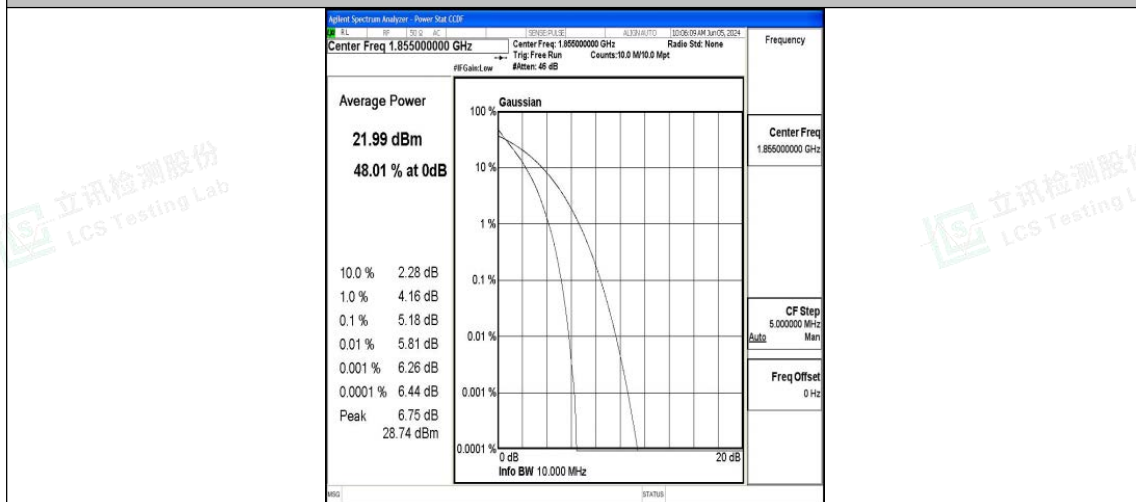




Band2-10MHz-QPSK-18650-1RB#0-PASS

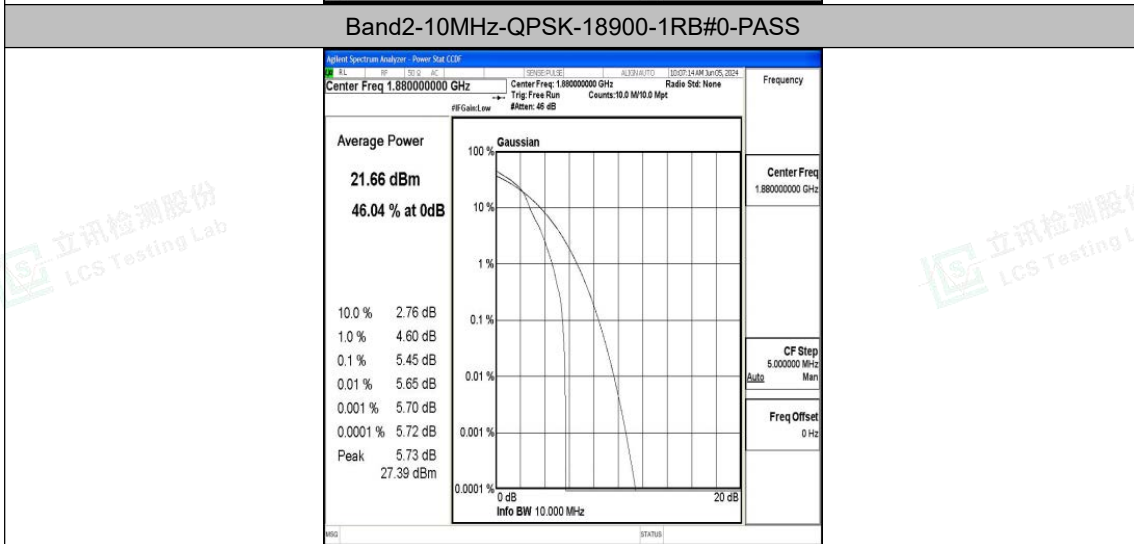
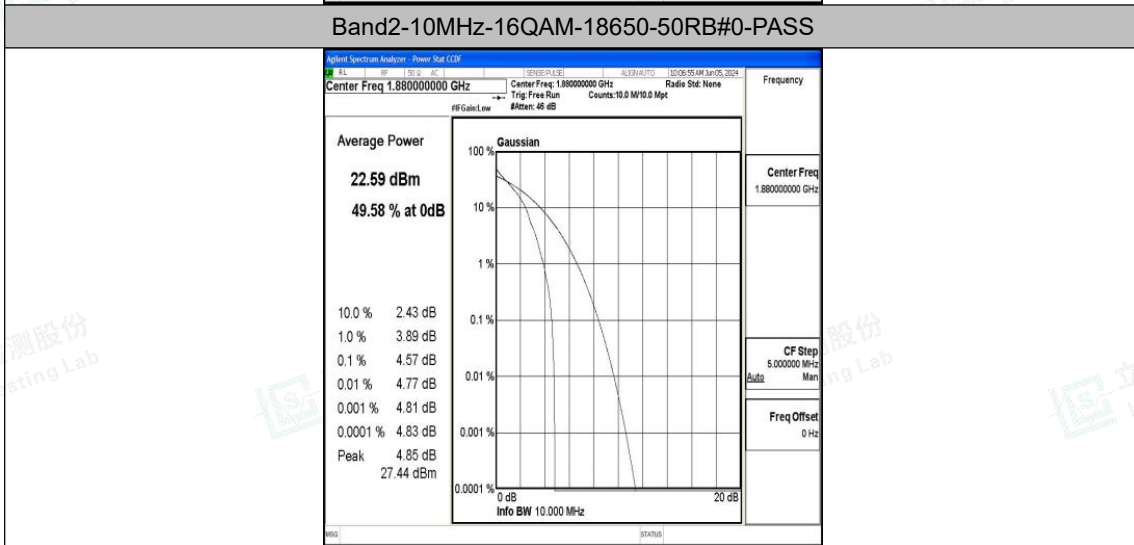
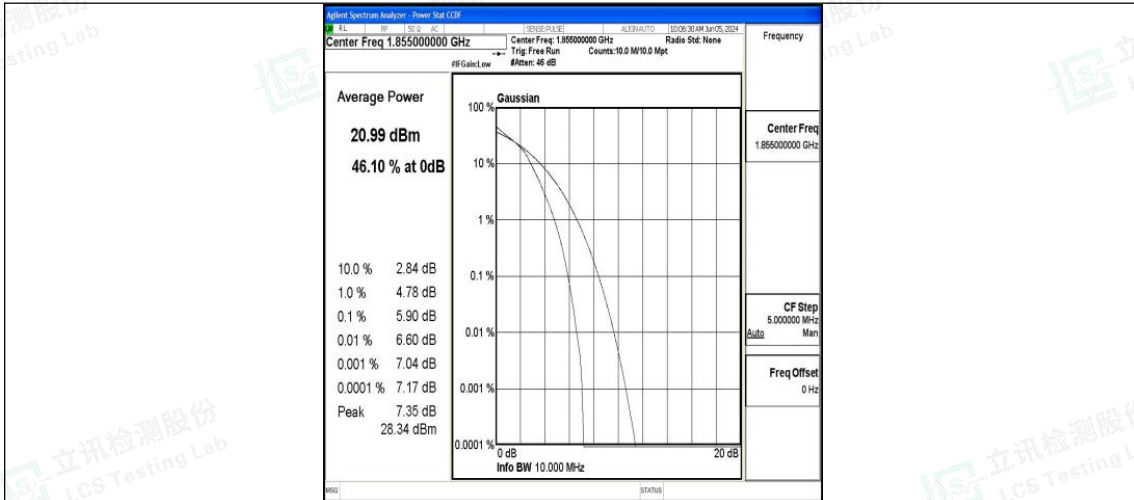


Band2-10MHz-16QAM-18650-1RB#0-PASS

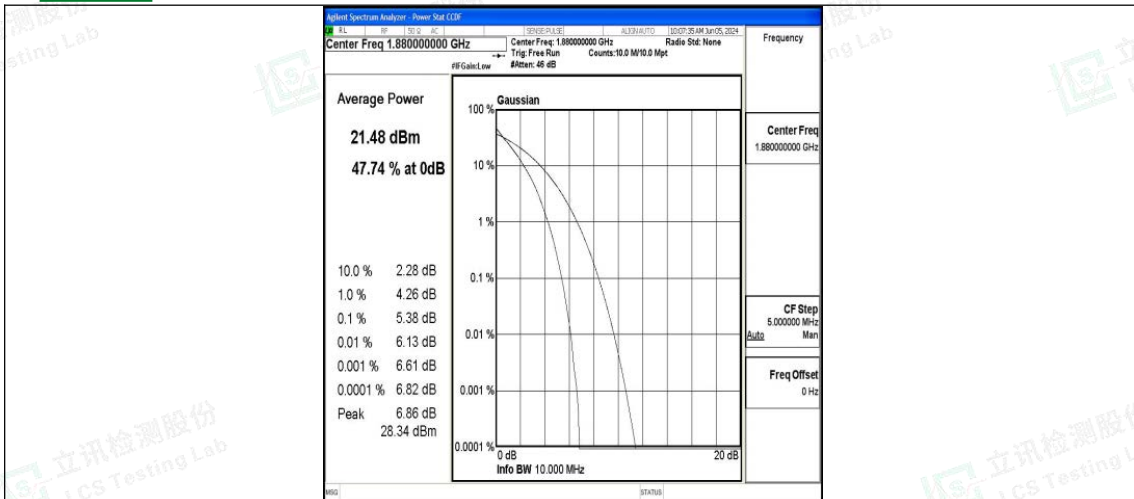


Band2-10MHz-QPSK-18650-50RB#0-PASS

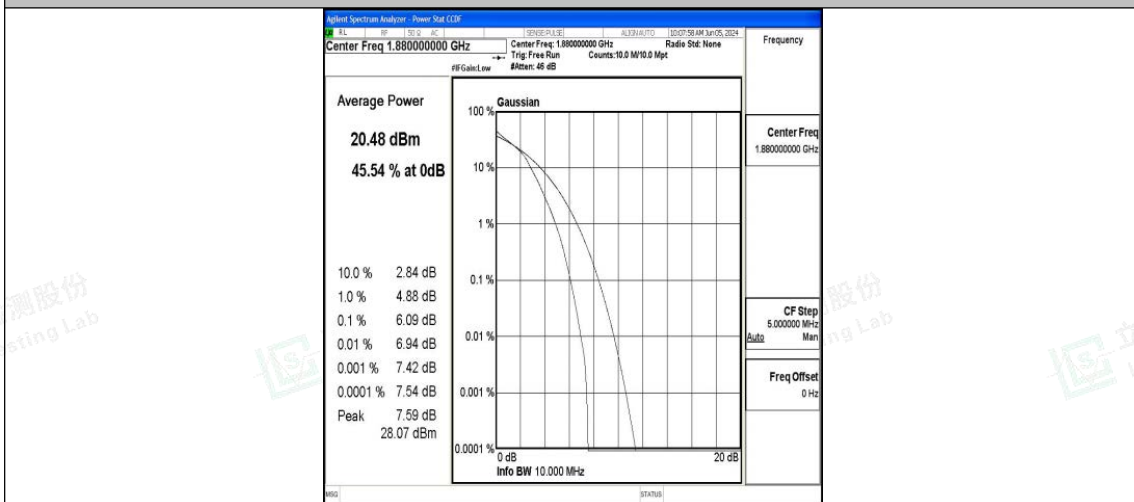




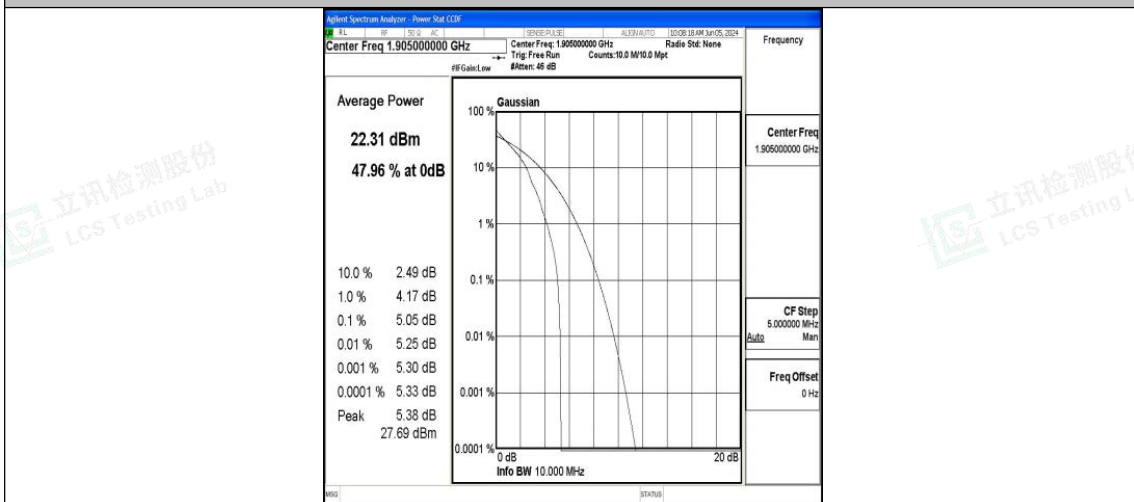




Band2-10MHz-QPSK-18900-50RB#0-PASS

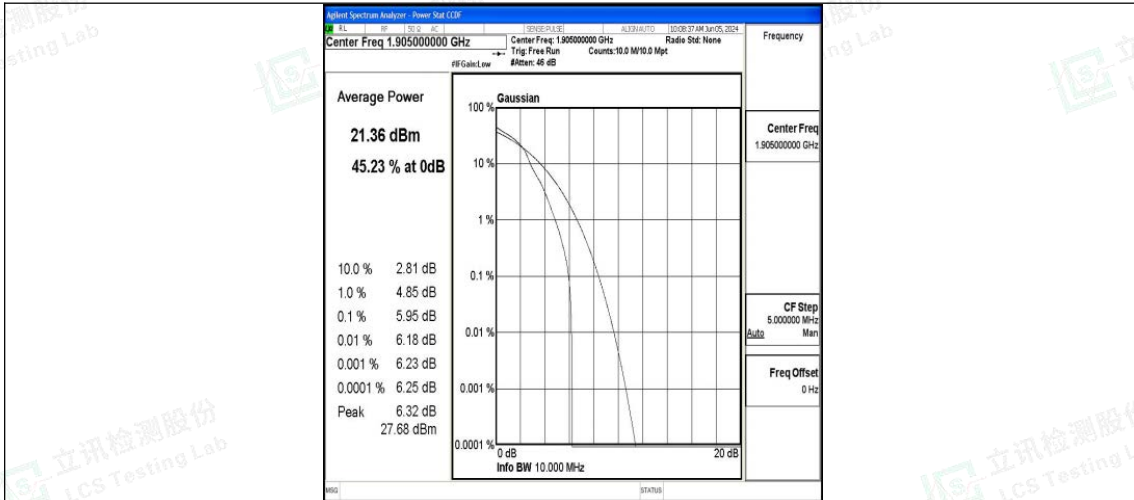


Band2-10MHz-16QAM-18900-50RB#0-PASS

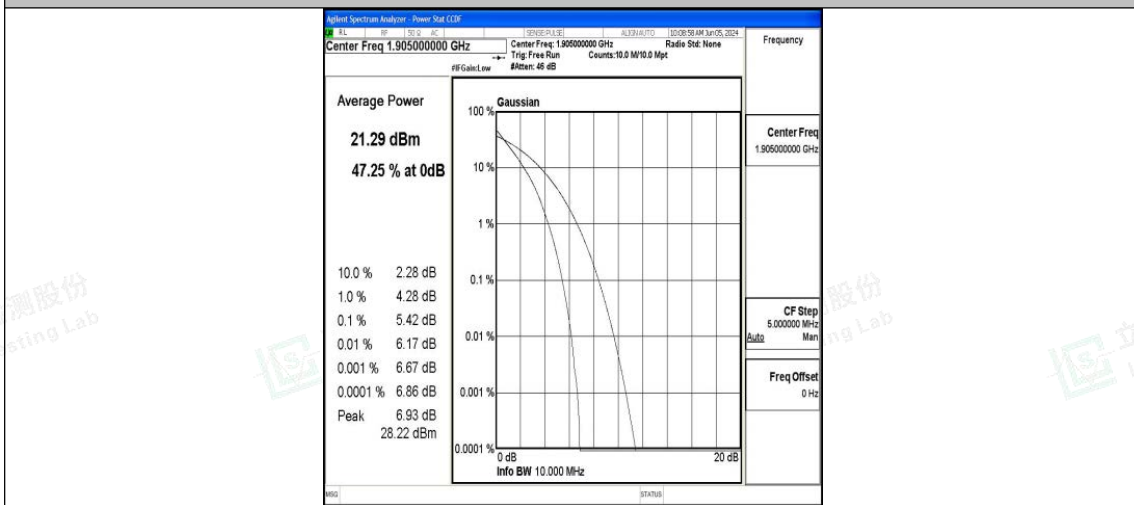


Band2-10MHz-QPSK-19150-1RB#0-PASS

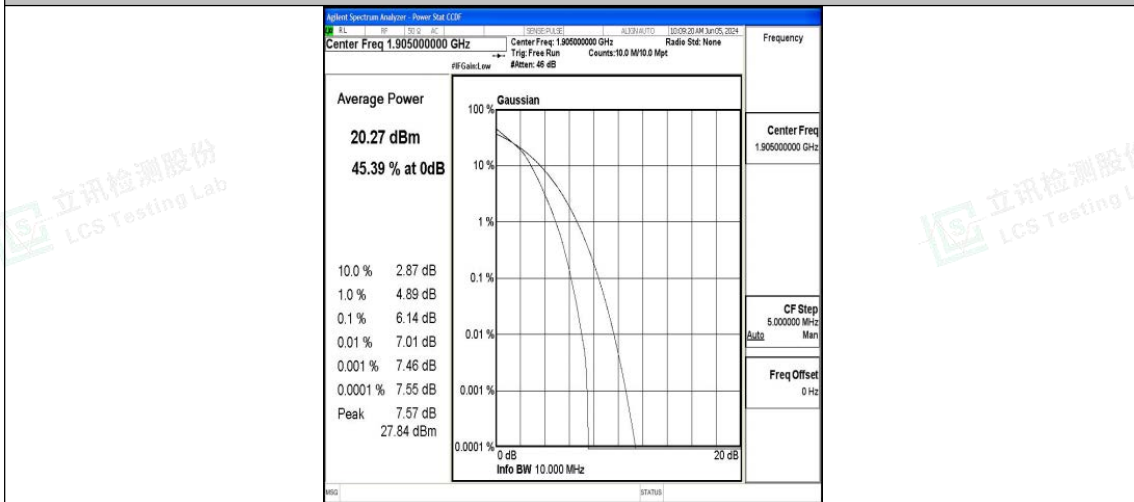




Band2-10MHz-16QAM-19150-1RB#0-PASS

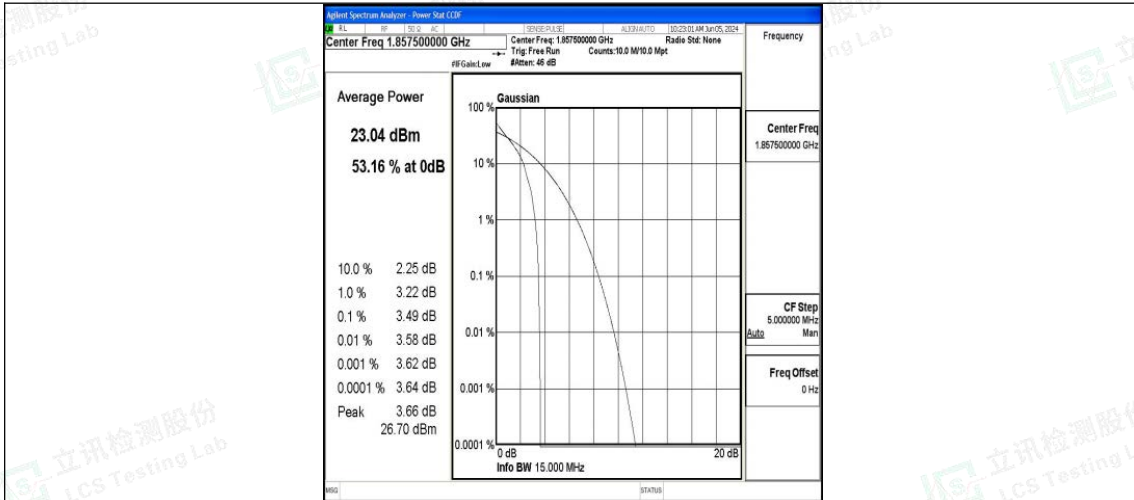


Band2-10MHz-QPSK-19150-50RB#0-PASS

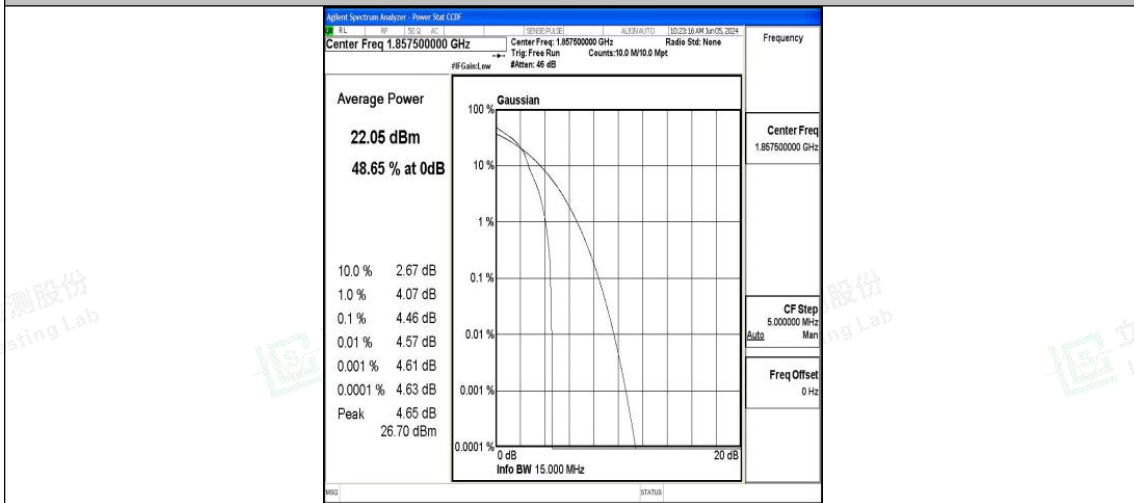


Band2-10MHz-16QAM-19150-50RB#0-PASS

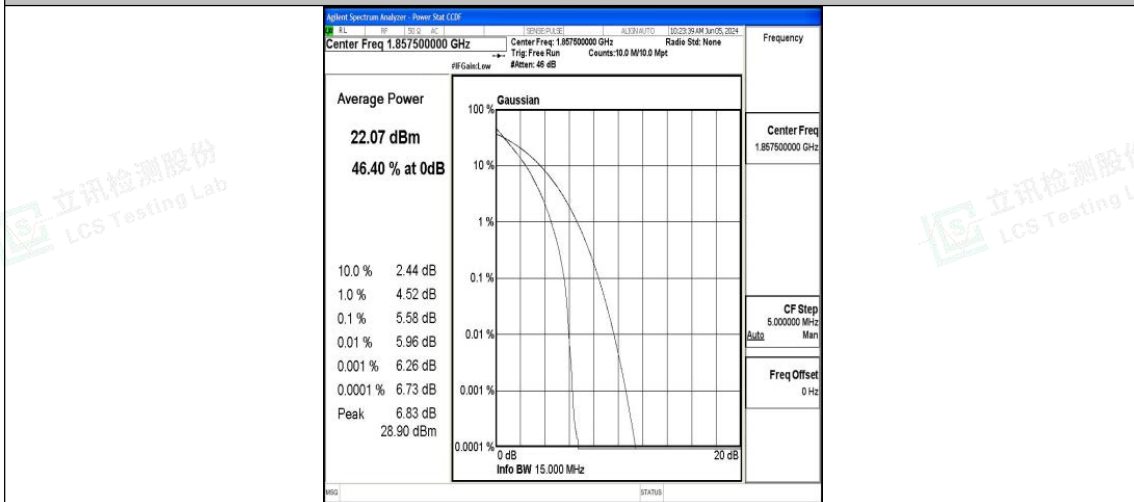




Band2-15MHz-QPSK-18675-1RB#0-PASS

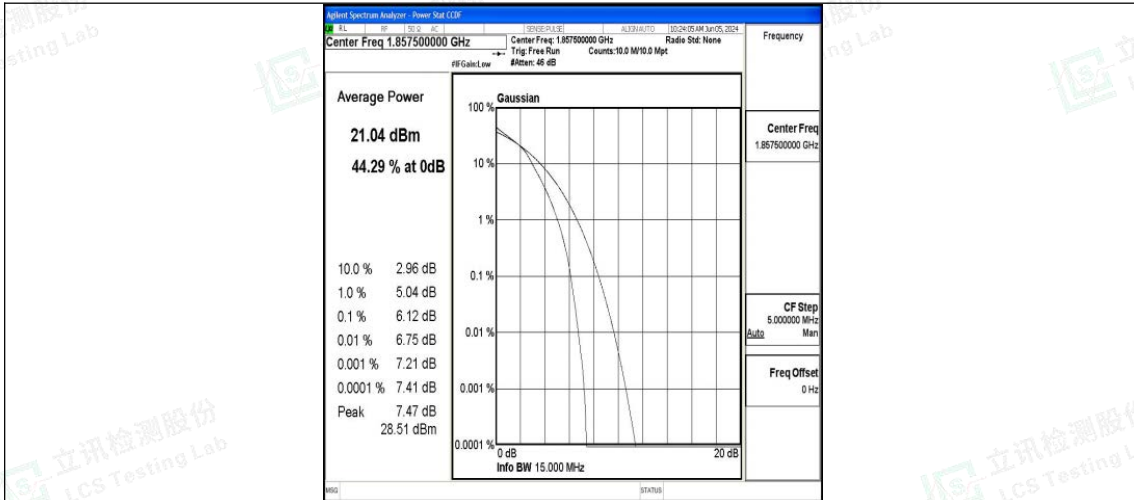


Band2-15MHz-16QAM-18675-1RB#0-PASS

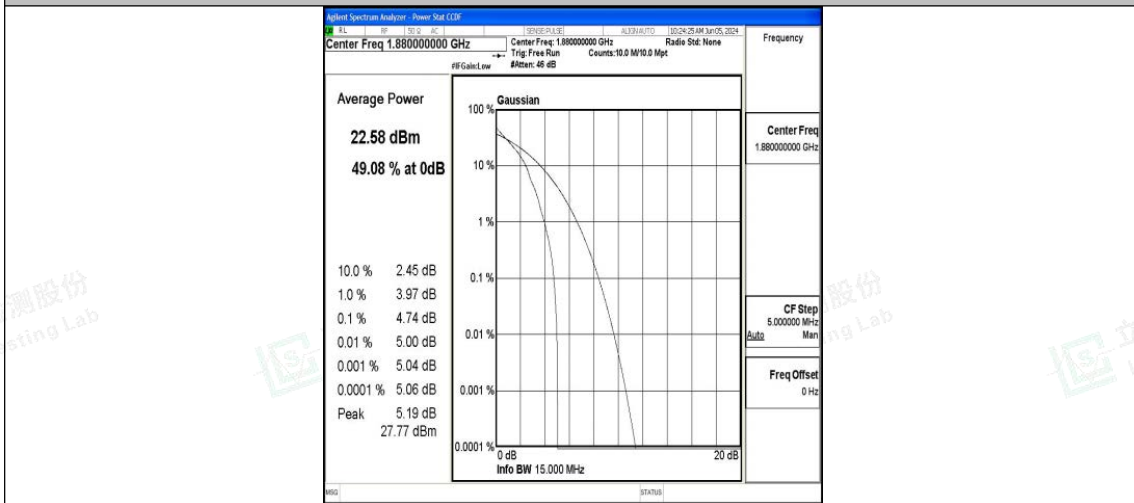


Band2-15MHz-QPSK-18675-75RB#0-PASS

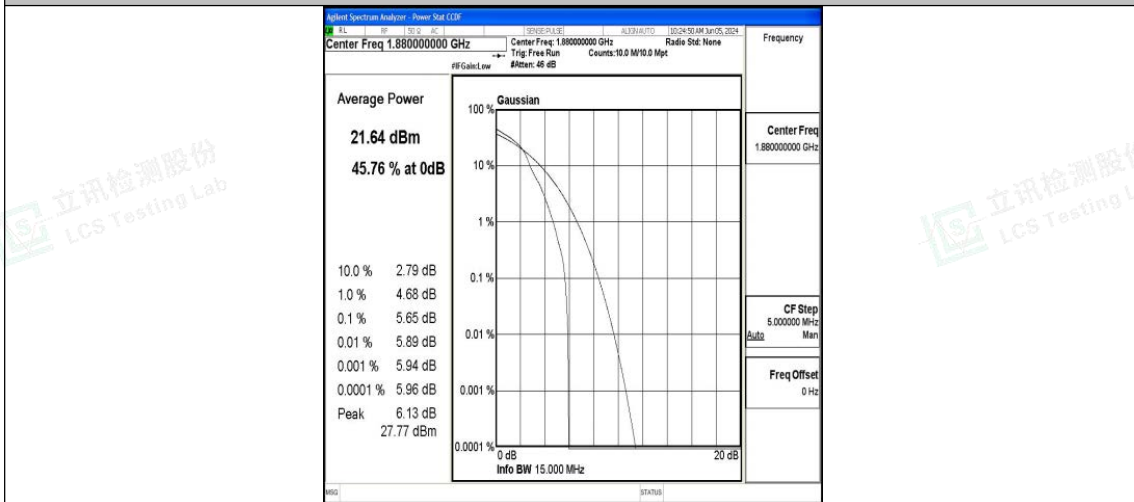




Band2-15MHz-16QAM-18675-75RB#0-PASS

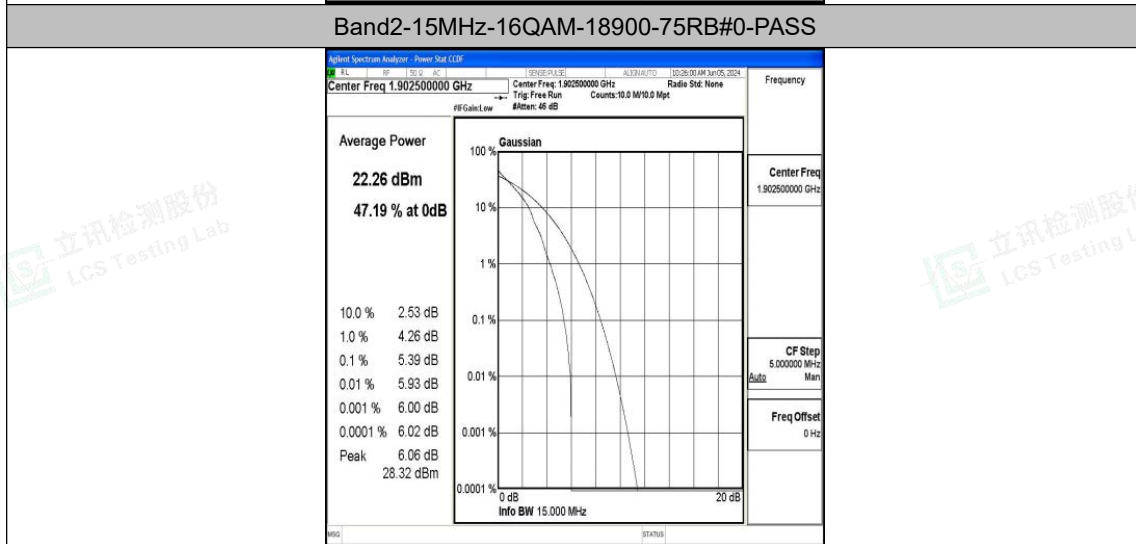
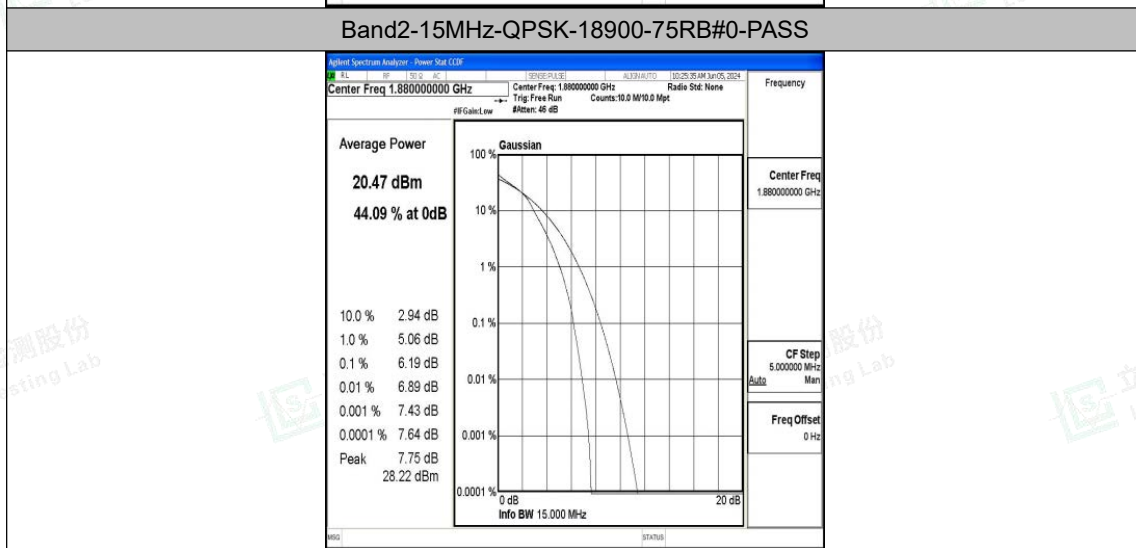
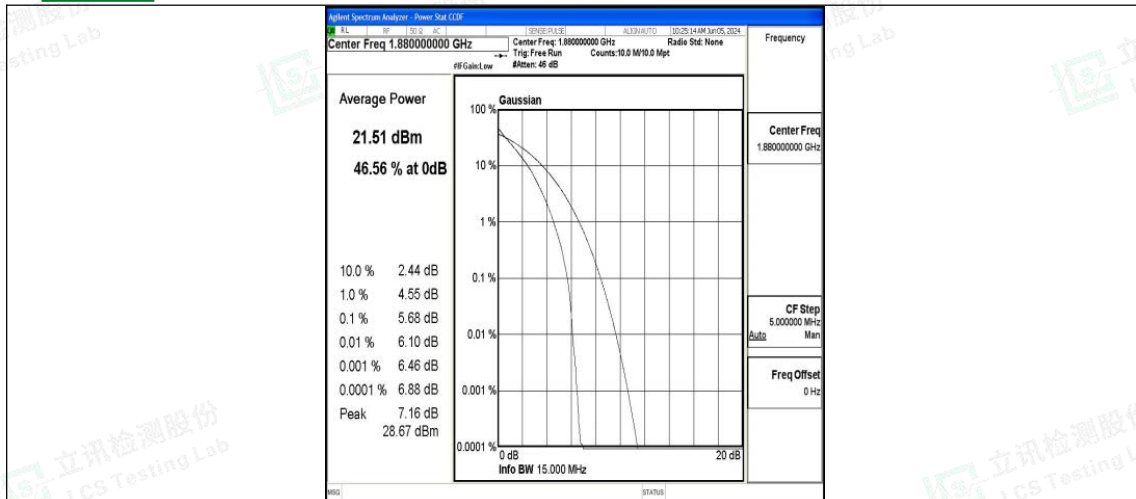


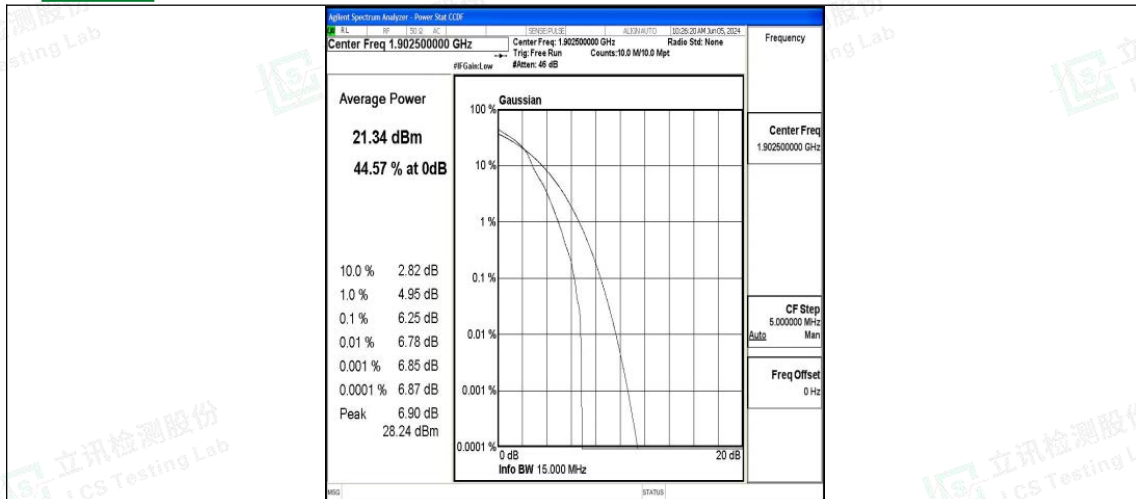
Band2-15MHz-QPSK-18900-1RB#0-PASS



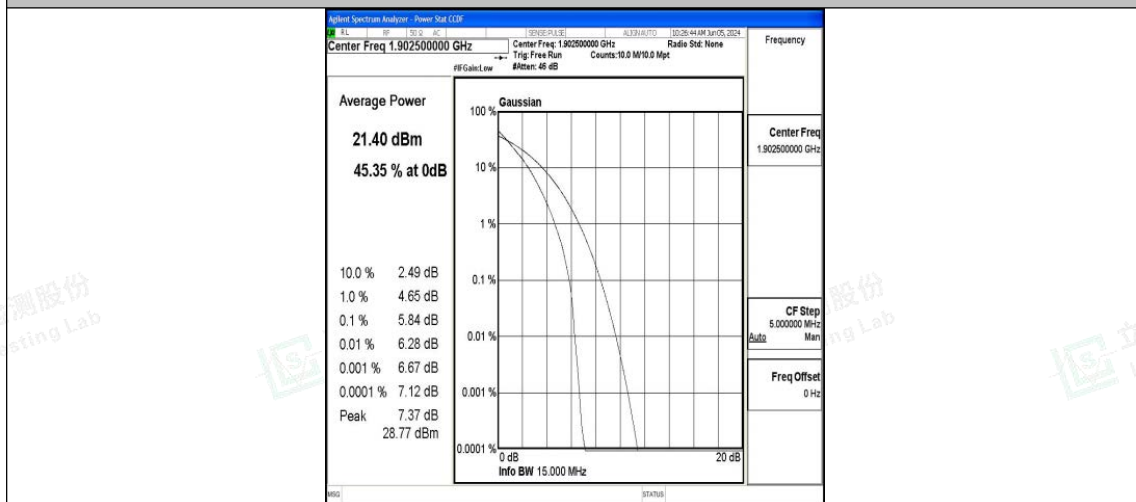
Band2-15MHz-16QAM-18900-1RB#0-PASS



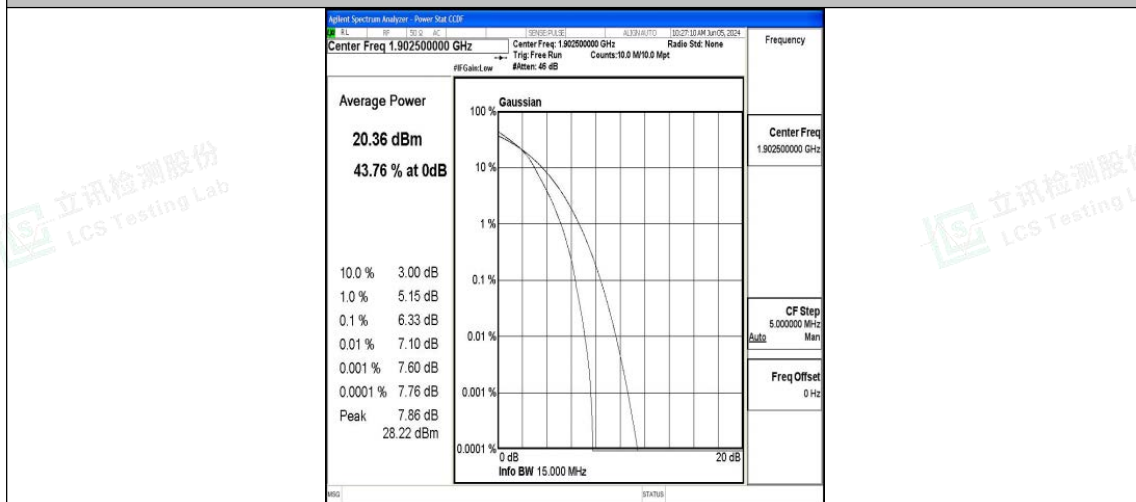




Band2-15MHz-16QAM-19125-1RB#0-PASS

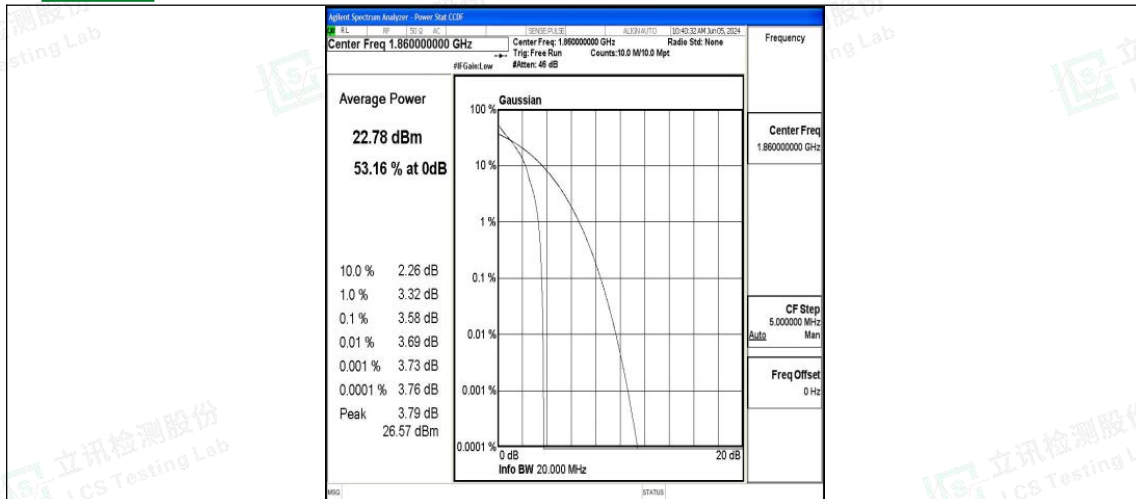


Band2-15MHz-QPSK-19125-75RB#0-PASS

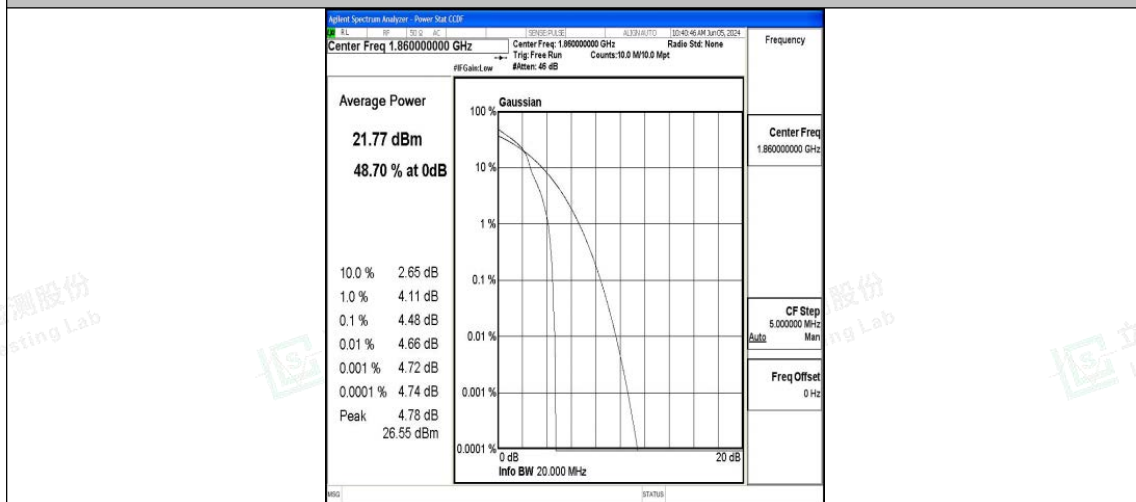


Band2-15MHz-16QAM-19125-75RB#0-PASS

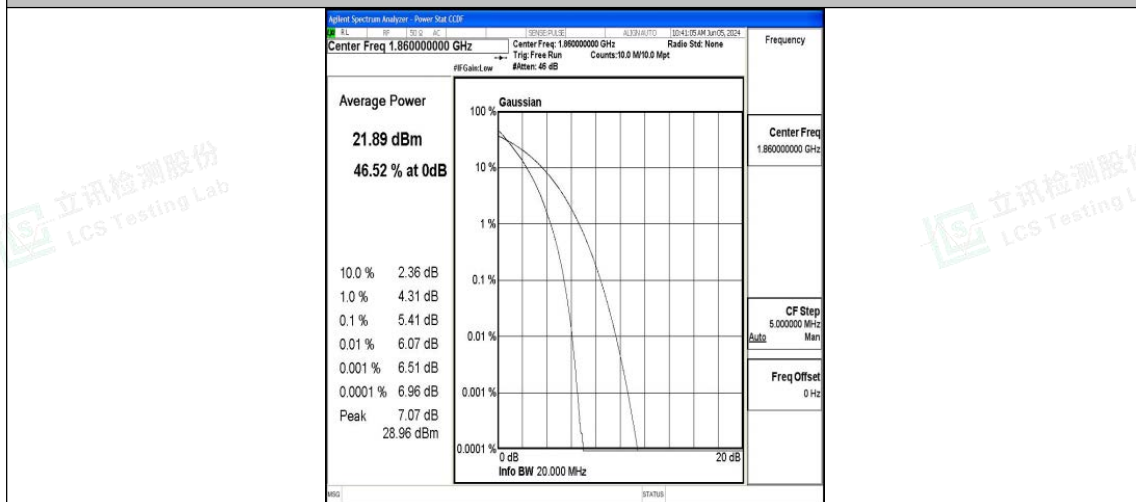




Band2-20MHz-QPSK-18700-1RB#0-PASS

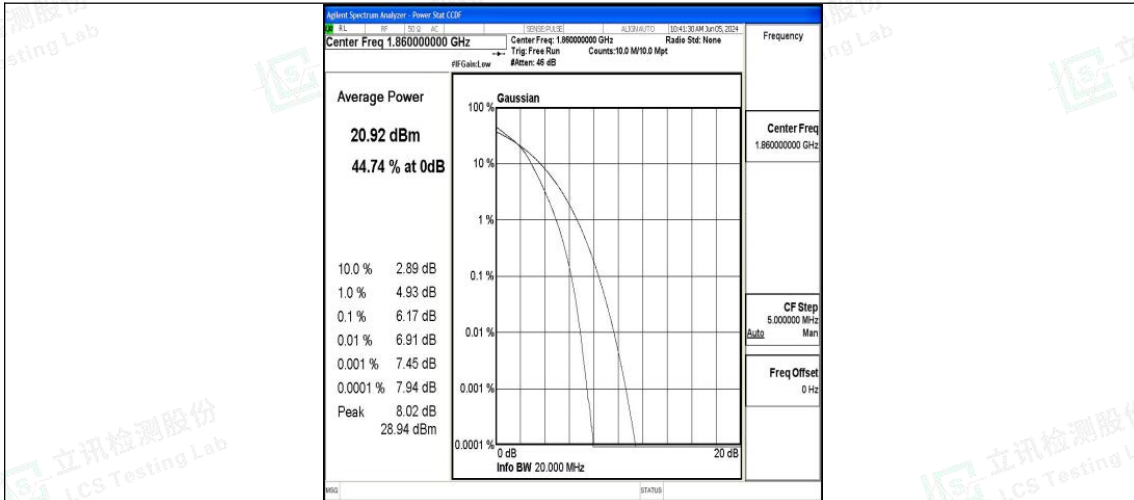


Band2-20MHz-16QAM-18700-1RB#0-PASS

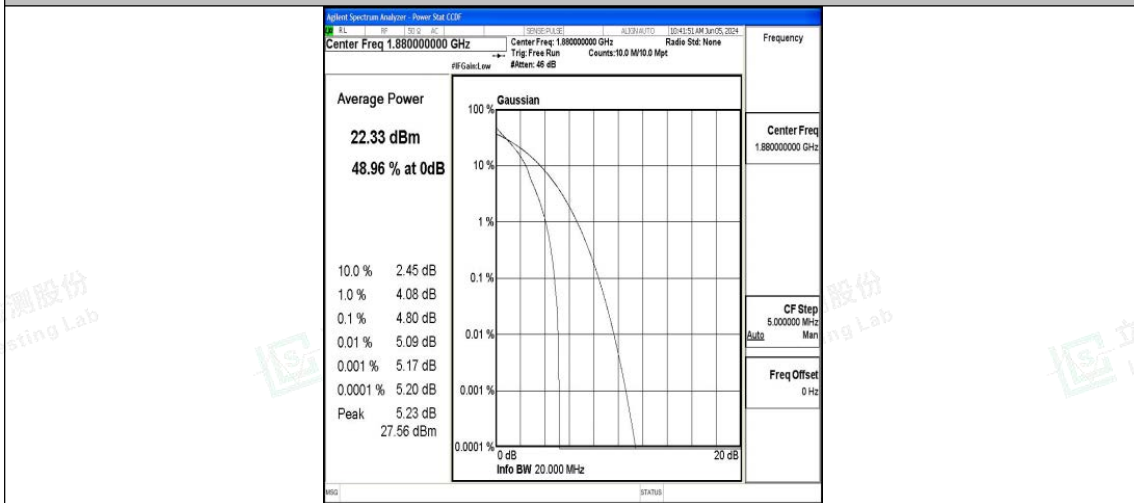


Band2-20MHz-QPSK-18700-100RB#0-PASS

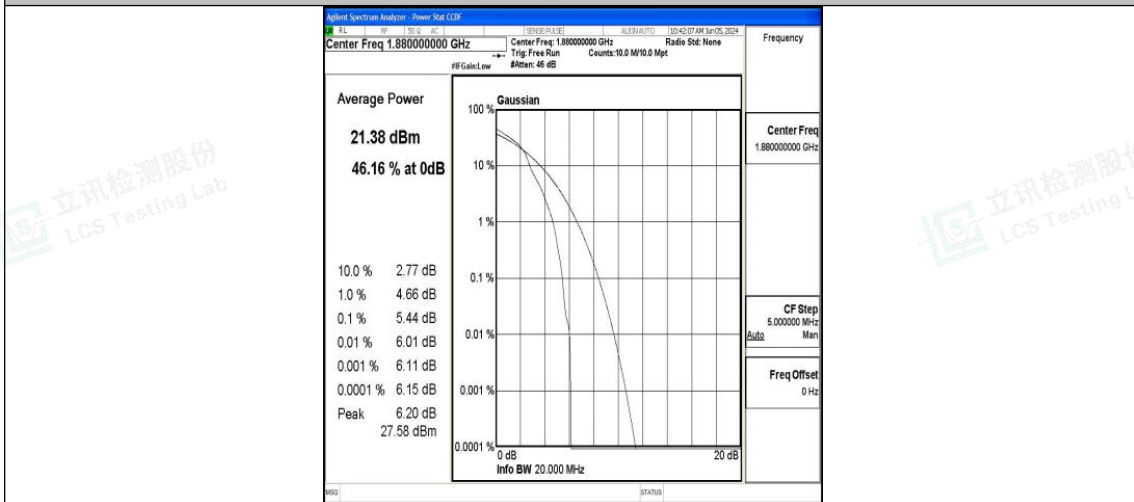




Band2-20MHz-16QAM-18700-100RB#0-PASS



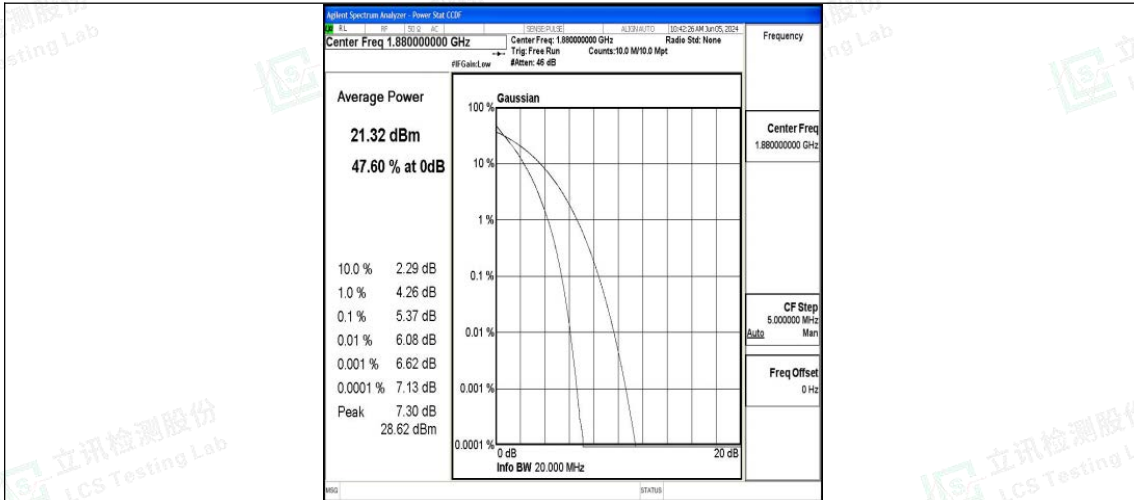
Band2-20MHz-QPSK-18900-1RB#0-PASS



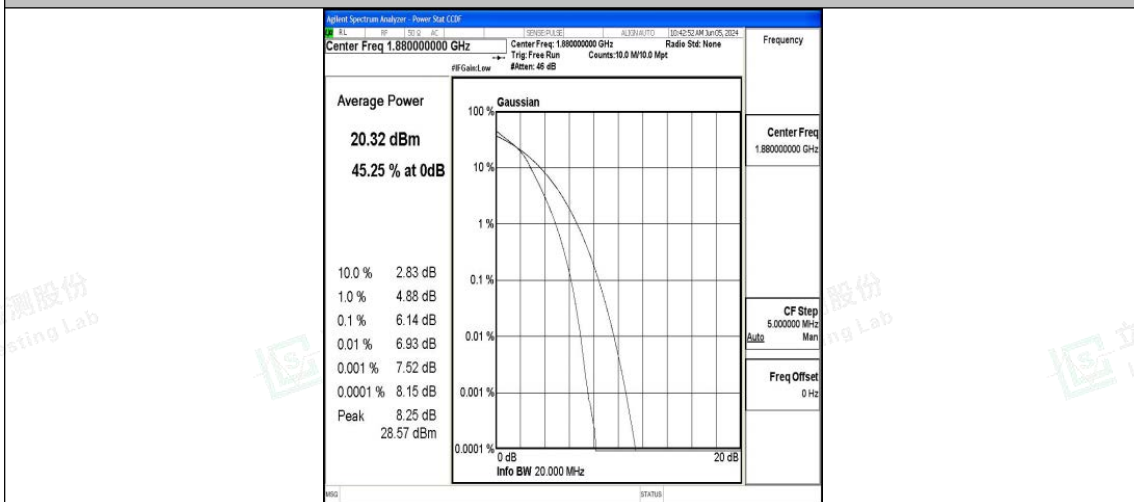
Band2-20MHz-16QAM-18900-1RB#0-PASS



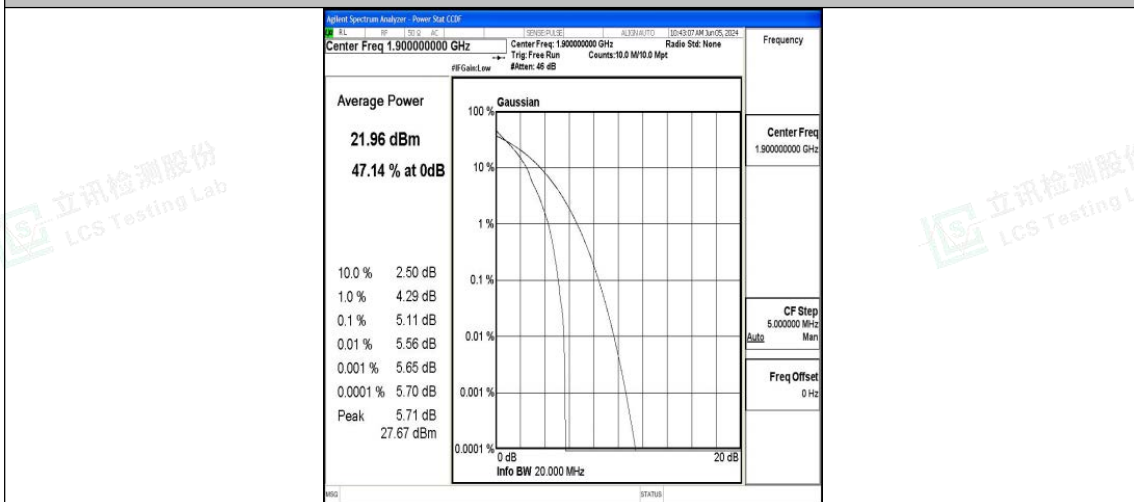




Band2-20MHz-QPSK-18900-100RB#0-PASS

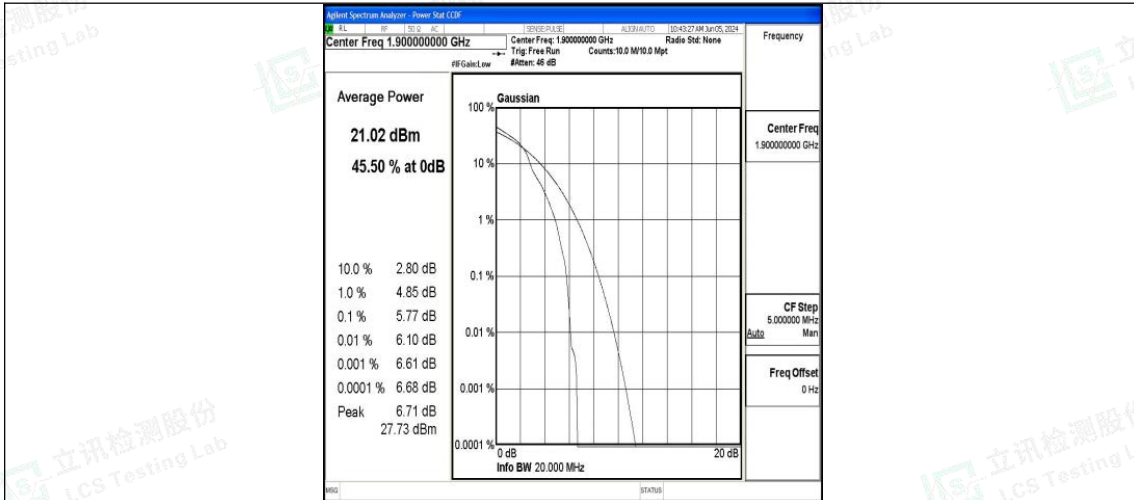


Band2-20MHz-16QAM-18900-100RB#0-PASS

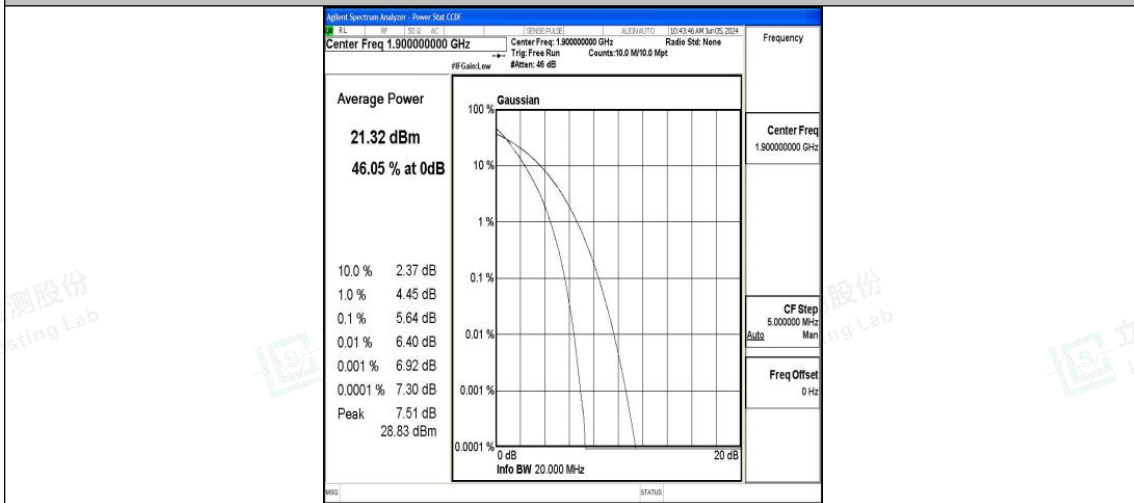


Band2-20MHz-QPSK-19100-1RB#0-PASS

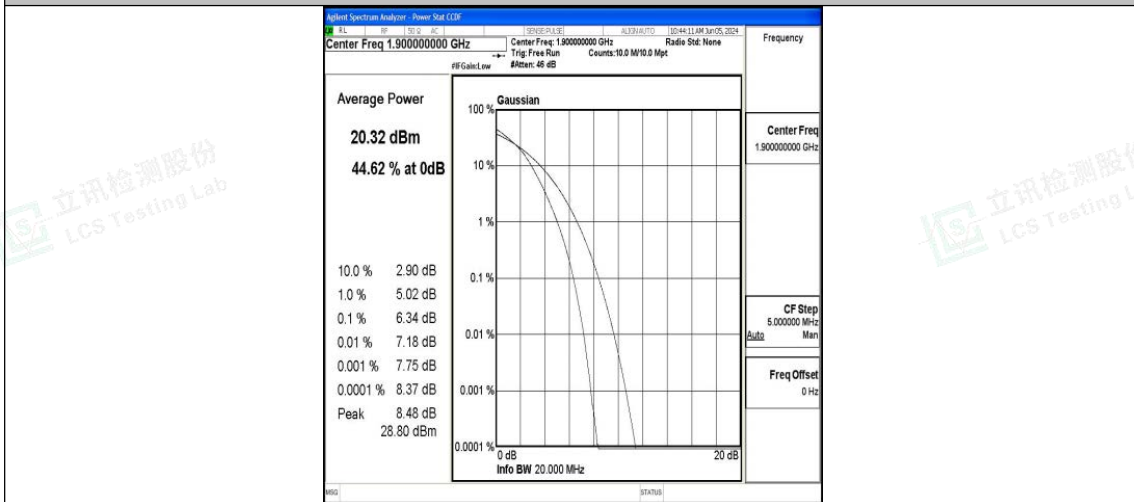




Band2-20MHz-16QAM-19100-1RB#0-PASS



Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#0-PASS





### F.3 26dB Bandwidth and Occupied Bandwidth

#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0960	1.322	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0951	1.302	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0923	1.291	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0926	1.303	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0925	1.307	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0926	1.320	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6884	2.920	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6820	2.883	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6847	2.901	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6815	2.894	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6854	2.893	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6771	2.885	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5148	5.209	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5157	5.140	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5208	5.192	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5112	5.105	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5164	5.157	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5189	5.165	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0010	10.11	PASS
Band2	10MHz	16QAM	18650	50RB#0	9.0077	10.04	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9973	10.13	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9949	9.958	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9954	10.10	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9878	9.892	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.505	15.18	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.483	15.15	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.459	15.05	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.457	14.87	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.496	15.11	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.477	15.02	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.993	19.76	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.943	19.70	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.955	19.66	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



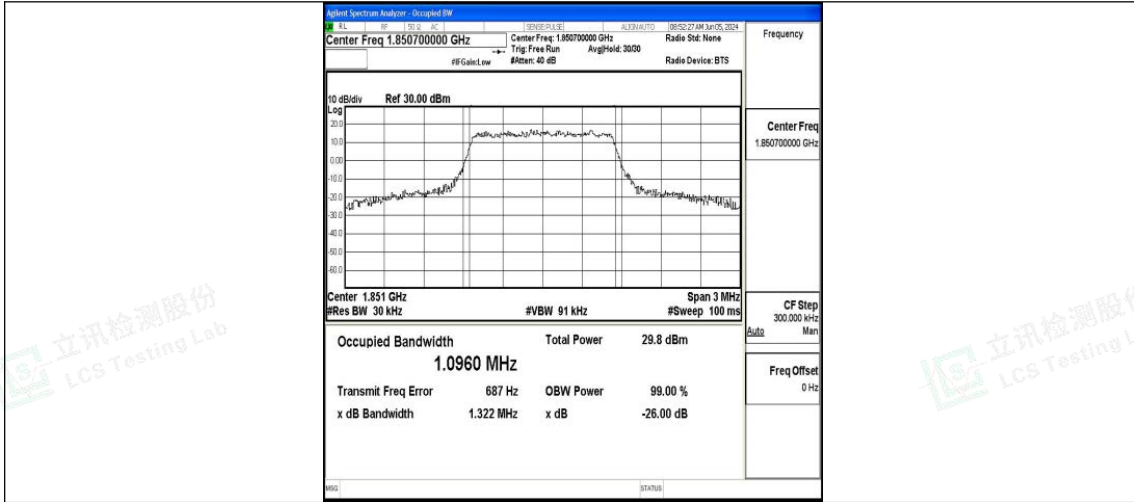
Band2	20MHz	16QAM	18900	100RB#0	17.967	19.79	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.035	19.86	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.004	19.82	PASS



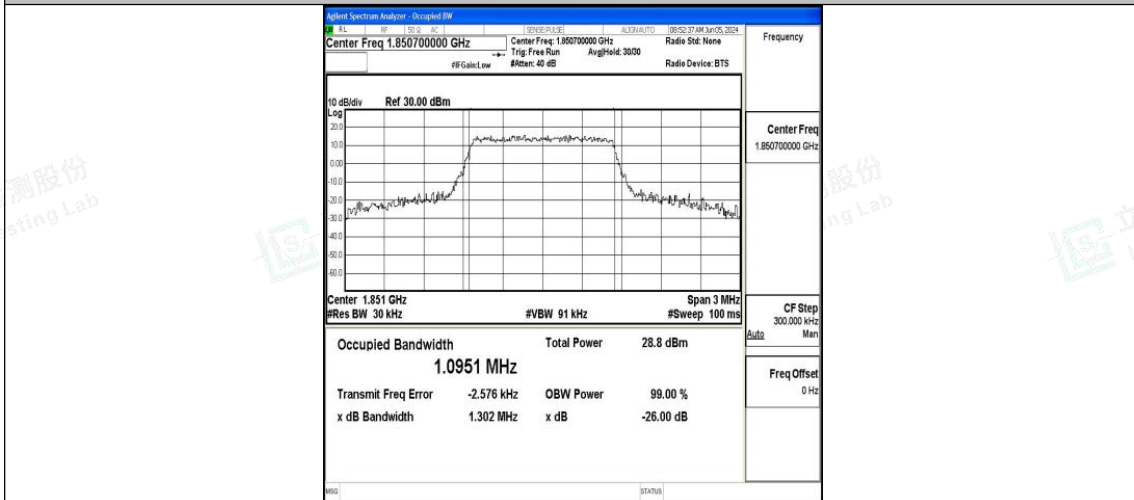
Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity



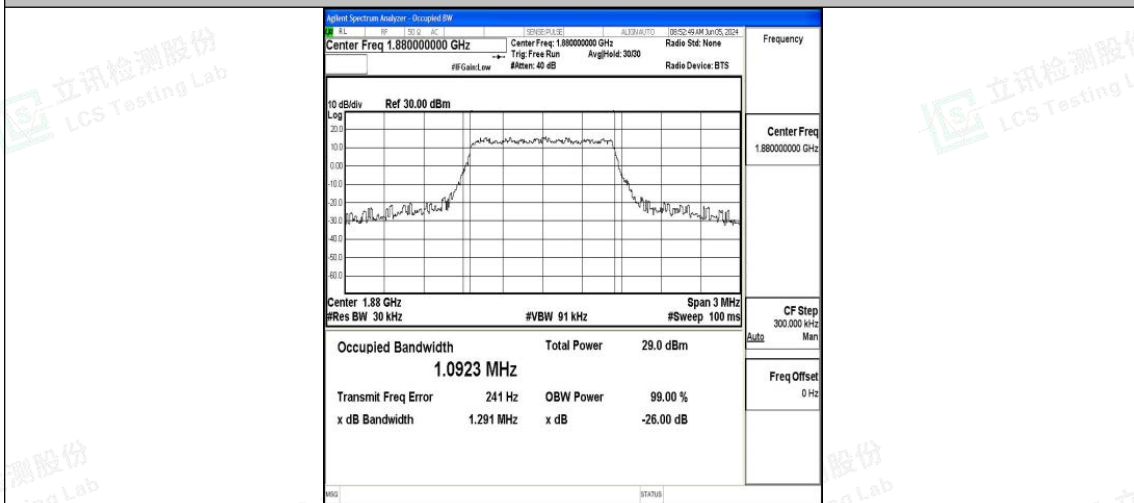
### Test Graphs



Band2-1.4MHz-QPSK-18607-6RB#0-PASS

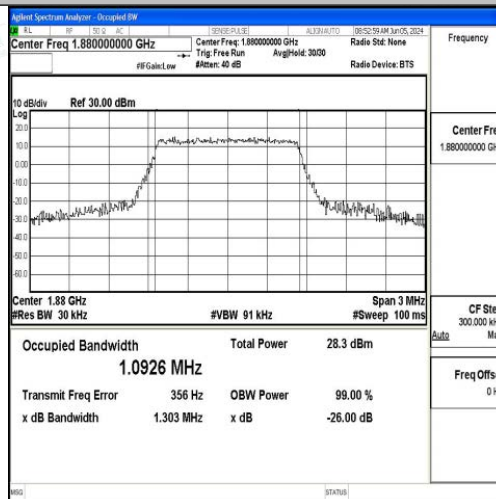


Band2-1.4MHz-16QAM-18607-6RB#0-PASS

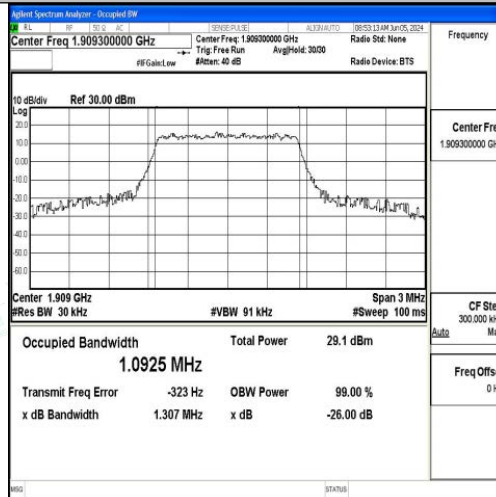




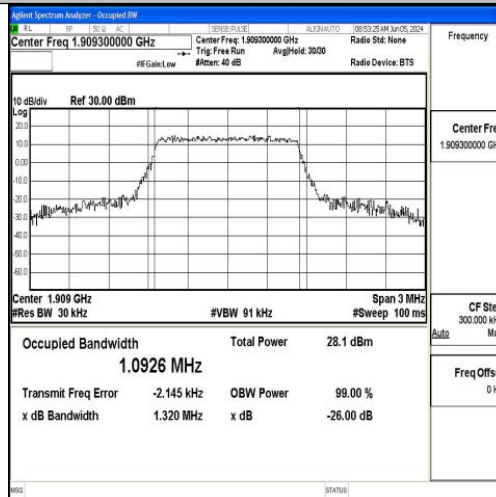
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



Band2-1.4MHz-16QAM-18900-6RB#0-PASS

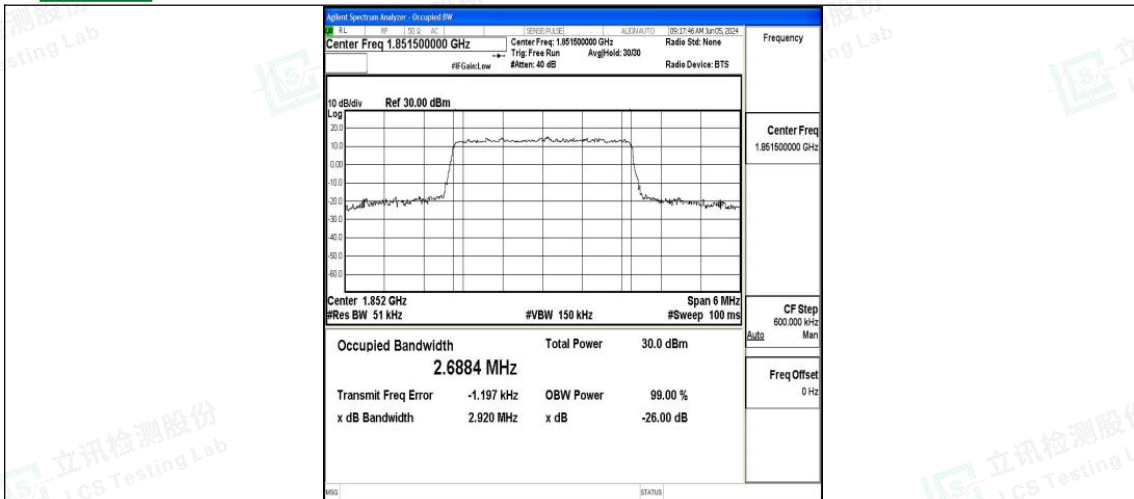


Band2-1.4MHz-QPSK-19193-6RB#0-PASS

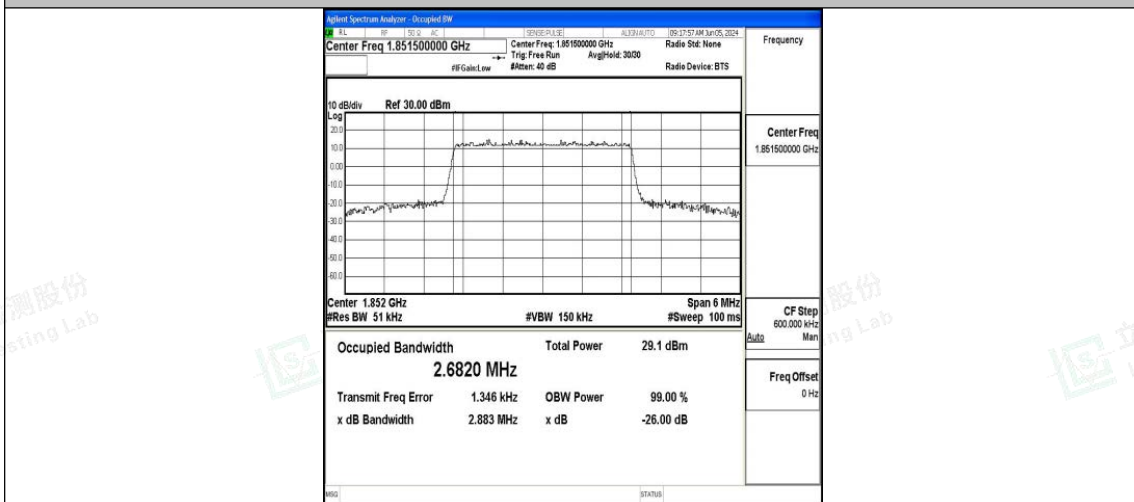


Band2-1.4MHz-16QAM-19193-6RB#0-PASS

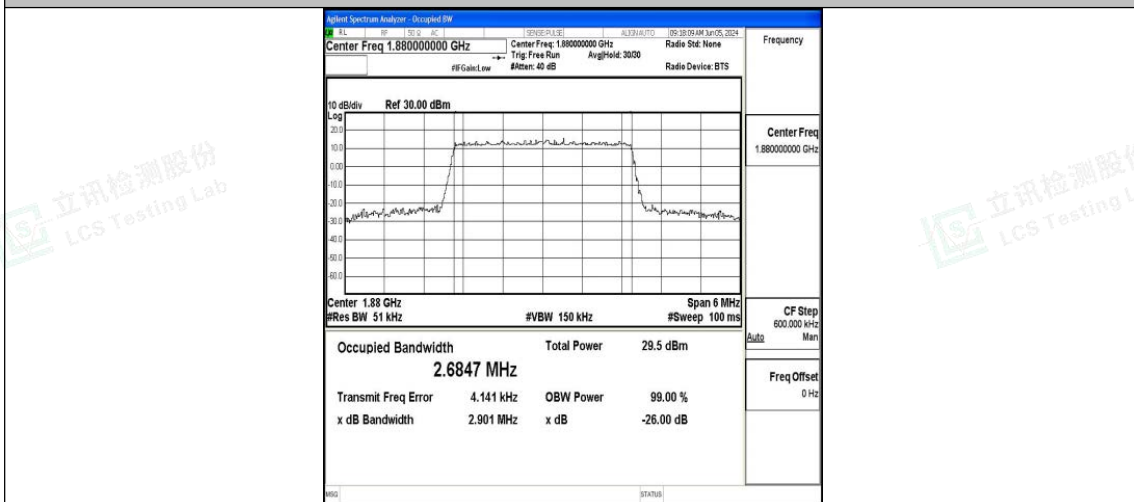




Band2-3MHz-QPSK-18615-15RB#0-PASS

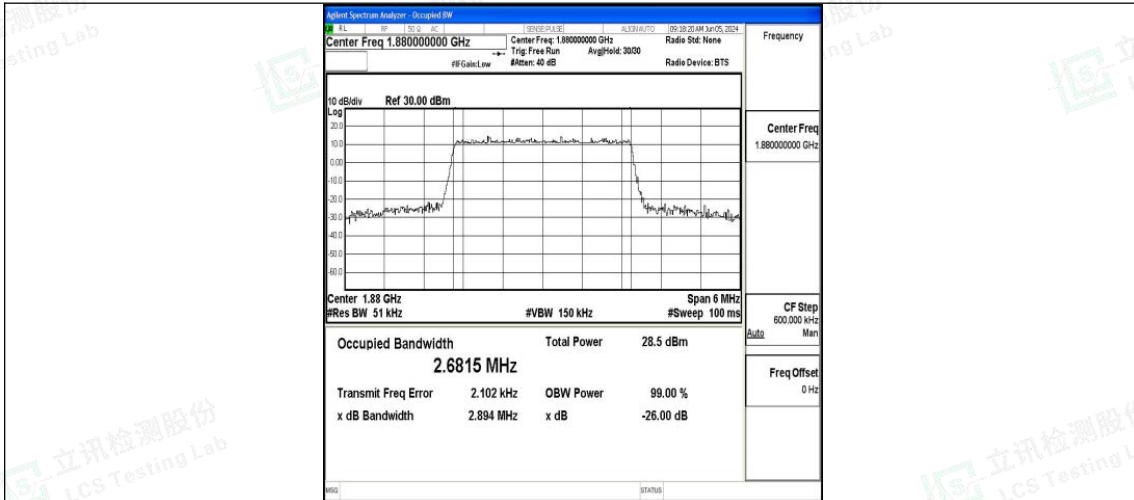


Band2-3MHz-16QAM-18615-15RB#0-PASS

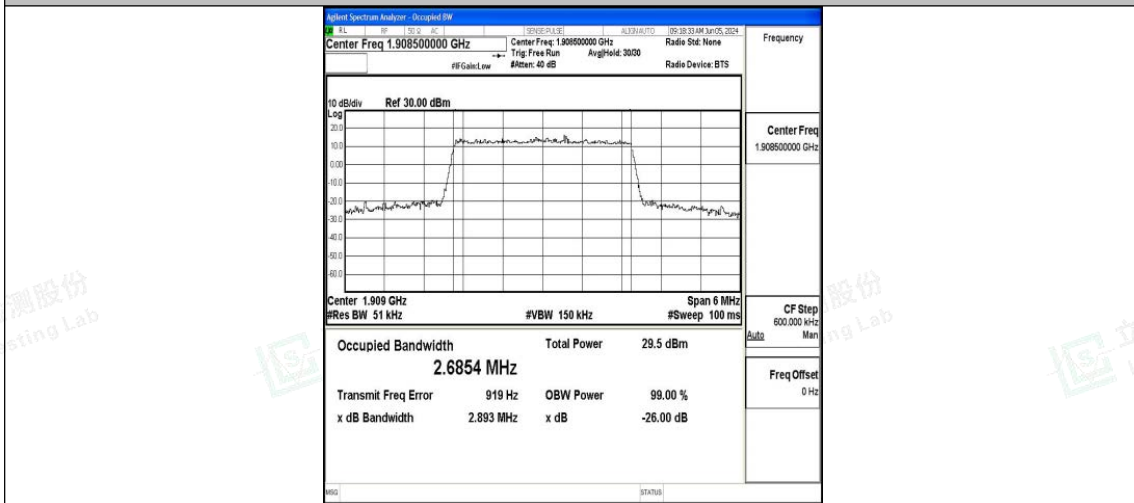


Band2-3MHz-QPSK-18900-15RB#0-PASS

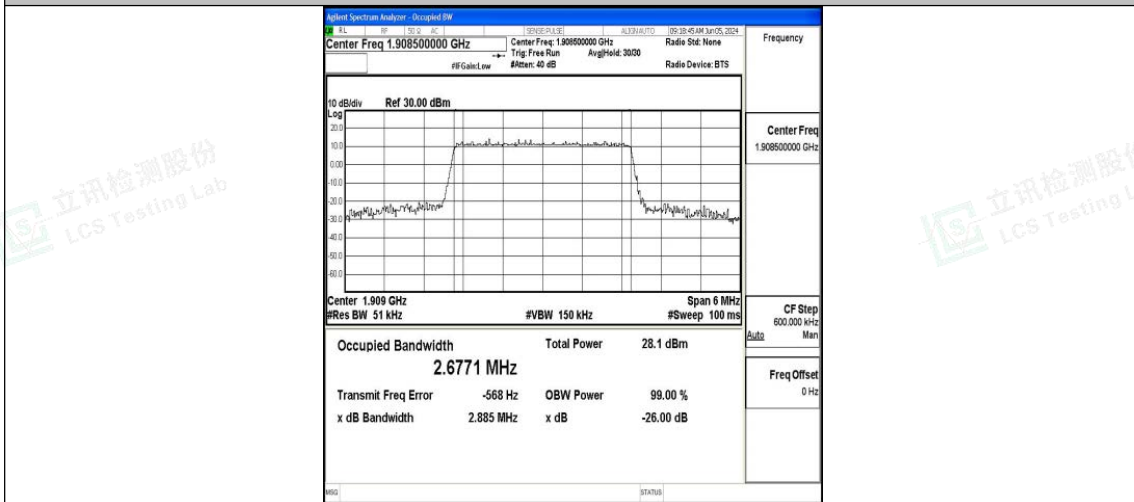




Band2-3MHz-16QAM-18900-15RB#0-PASS



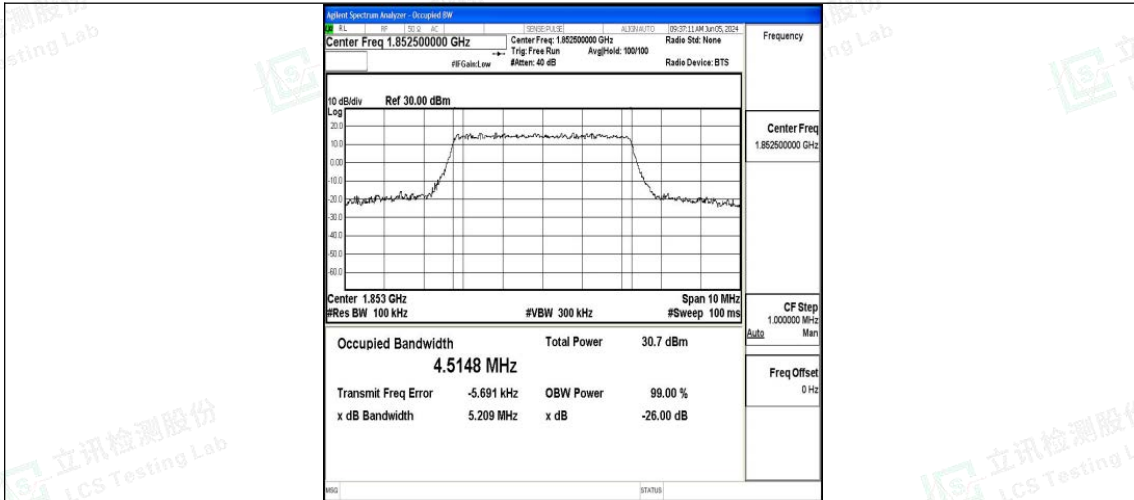
Band2-3MHz-QPSK-19185-15RB#0-PASS



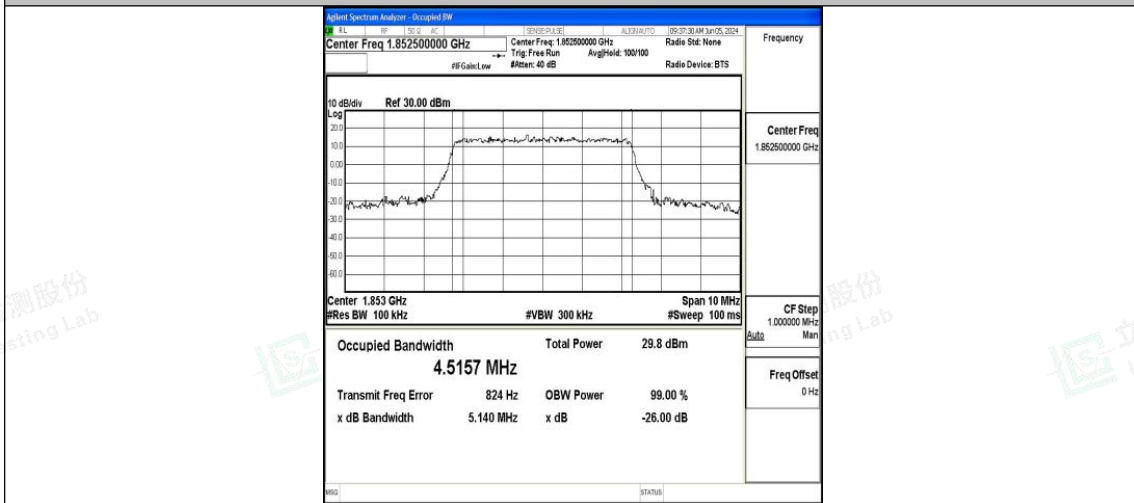
Band2-3MHz-16QAM-19185-15RB#0-PASS



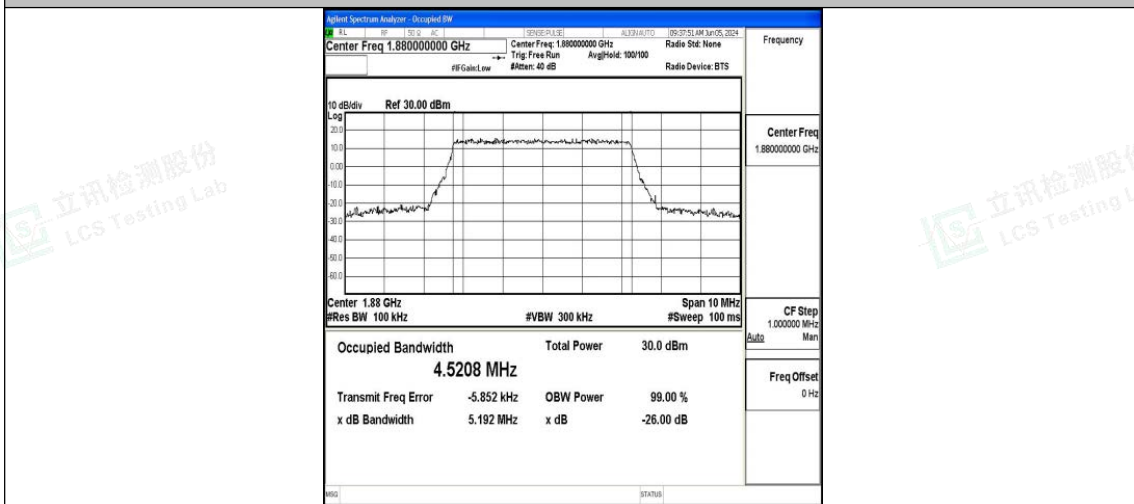




Band2-5MHz-QPSK-18625-25RB#0-PASS

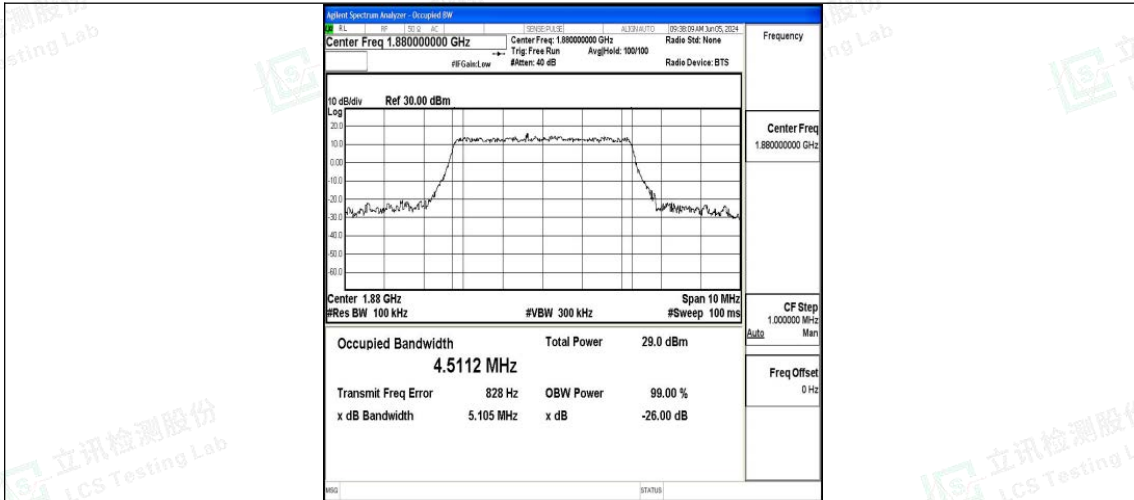


Band2-5MHz-16QAM-18625-25RB#0-PASS

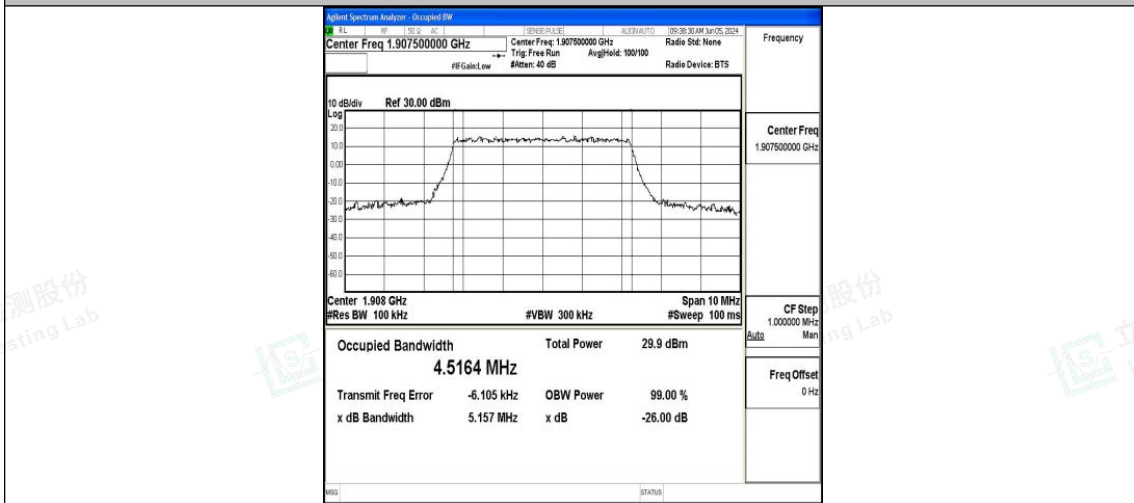


Band2-5MHz-QPSK-18900-25RB#0-PASS

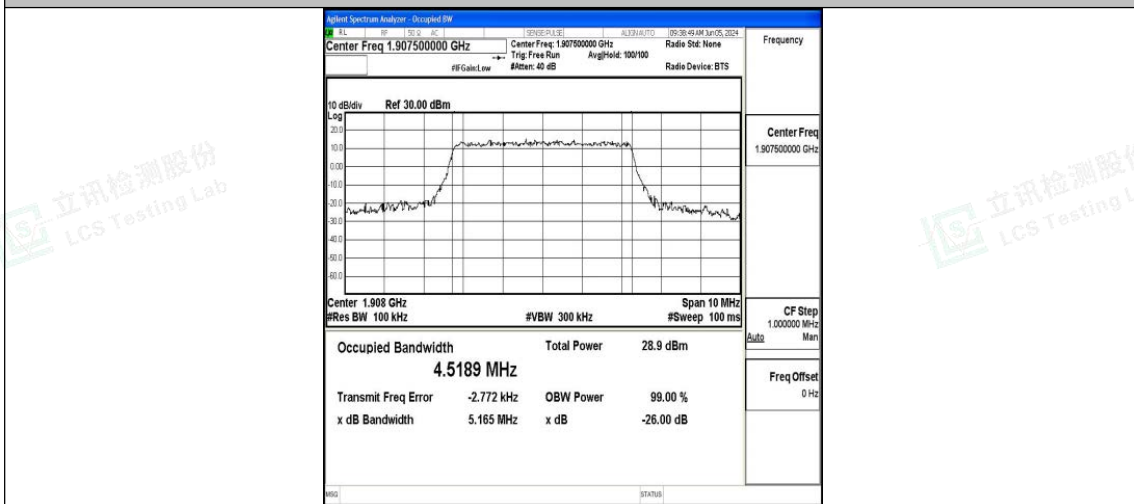




Band2-5MHz-16QAM-18900-25RB#0-PASS

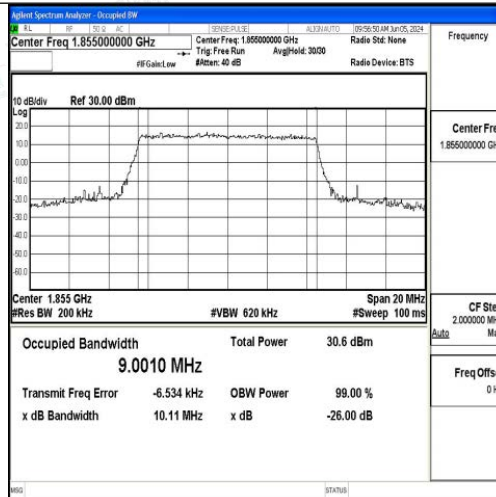


Band2-5MHz-QPSK-19175-25RB#0-PASS

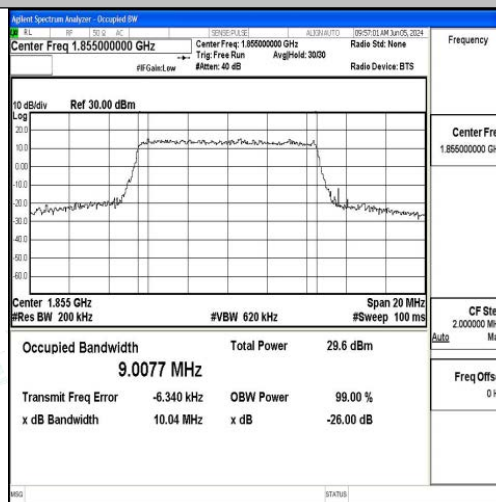


Band2-5MHz-16QAM-19175-25RB#0-PASS

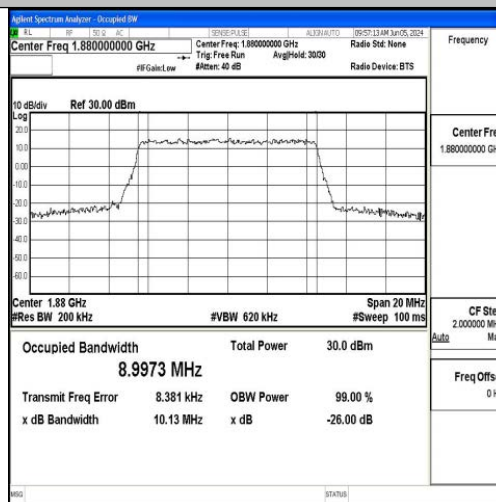




Band2-10MHz-QPSK-18650-50RB#0-PASS

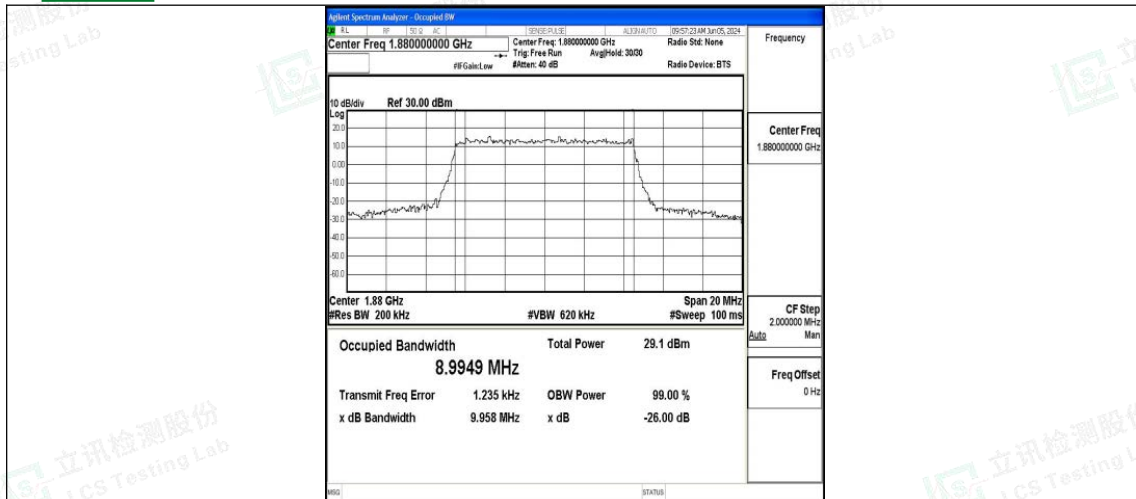


Band2-10MHz-16QAM-18650-50RB#0-PASS

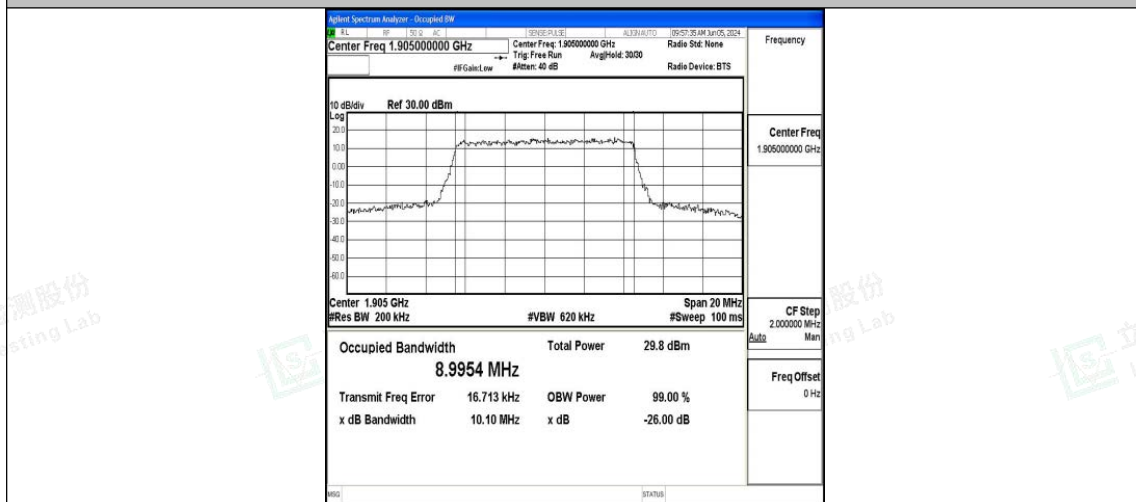


Band2-10MHz-QPSK-18900-50RB#0-PASS

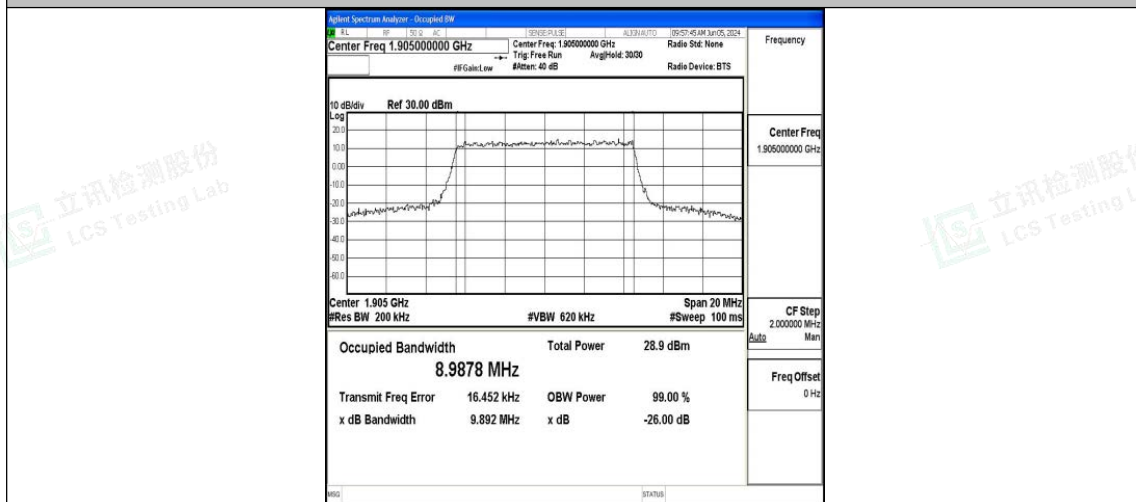




Band2-10MHz-16QAM-18900-50RB#0-PASS

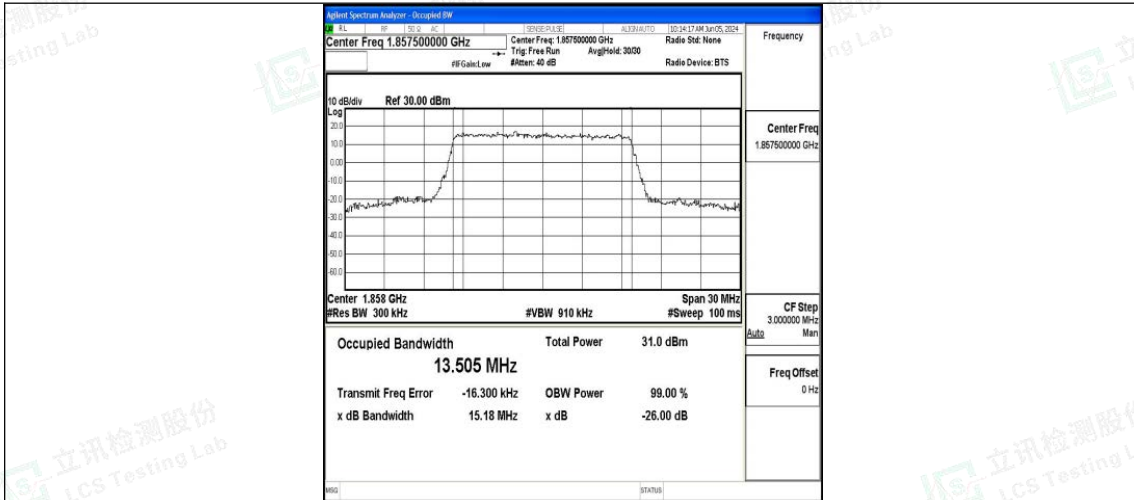


Band2-10MHz-QPSK-19150-50RB#0-PASS

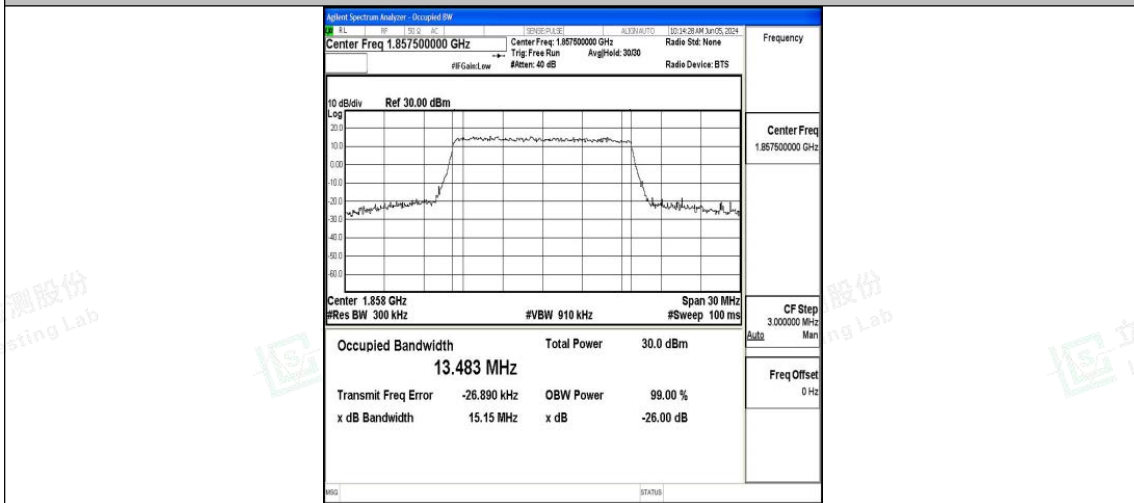


Band2-10MHz-16QAM-19150-50RB#0-PASS

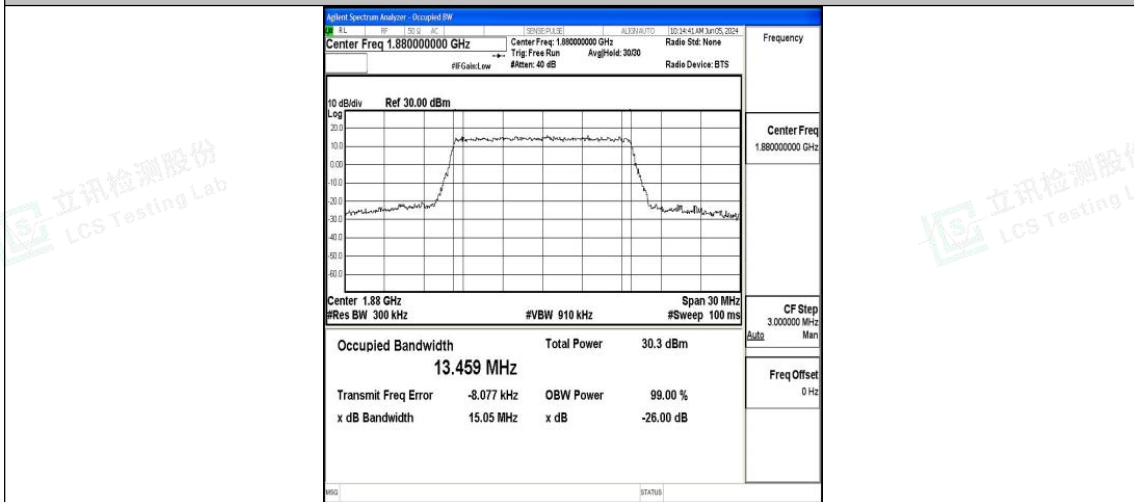




Band2-15MHz-QPSK-18675-75RB#0-PASS

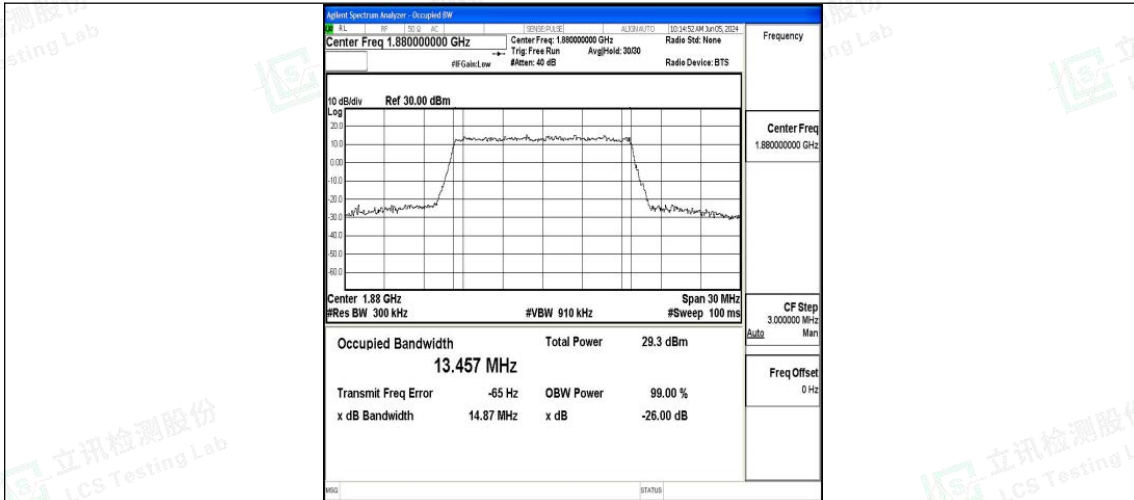


Band2-15MHz-16QAM-18675-75RB#0-PASS

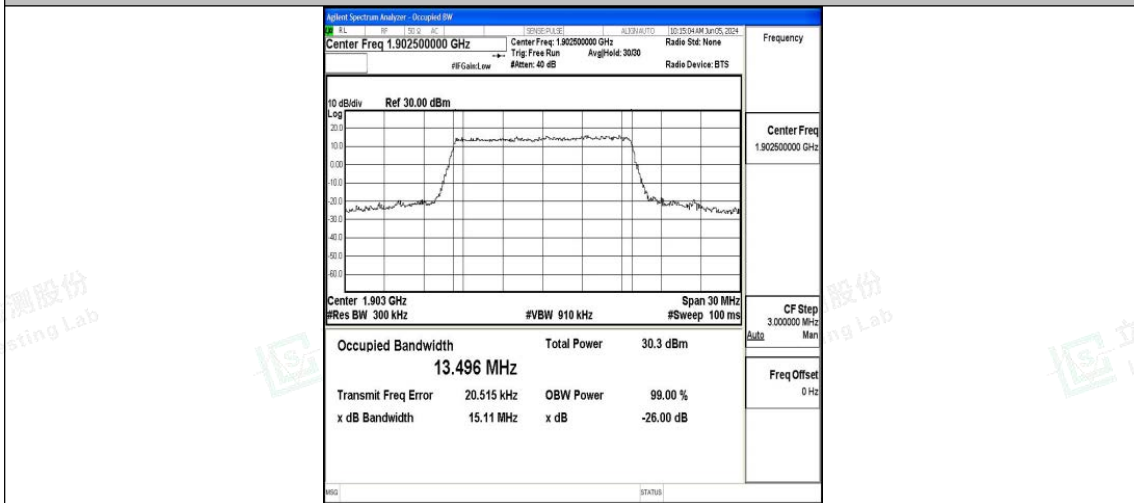


Band2-15MHz-QPSK-18900-75RB#0-PASS

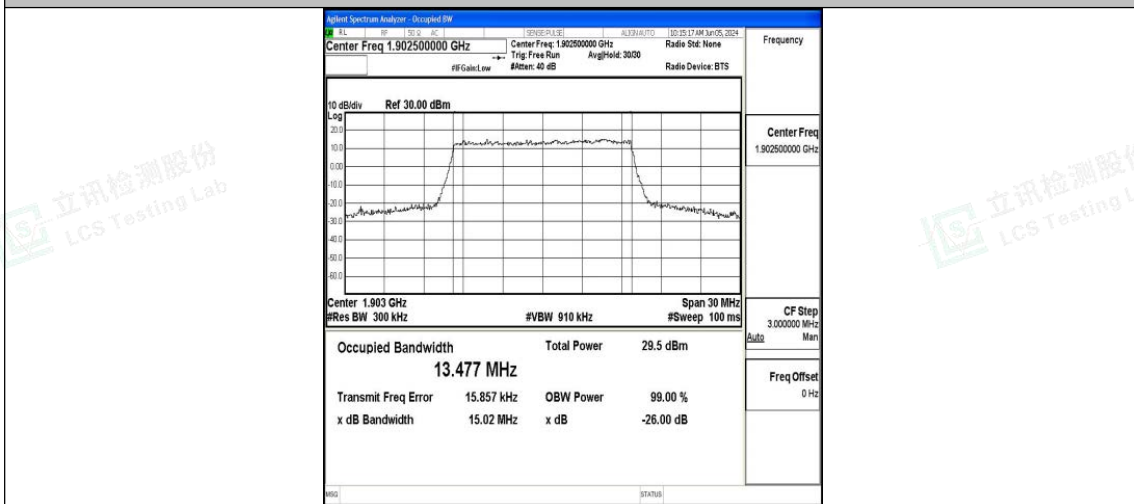




Band2-15MHz-16QAM-18900-75RB#0-PASS

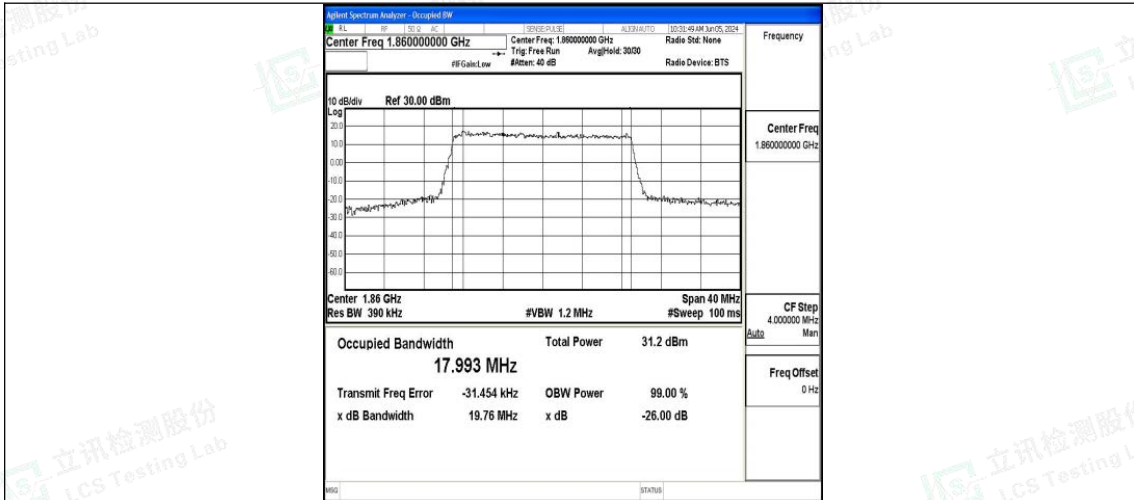


Band2-15MHz-QPSK-19125-75RB#0-PASS

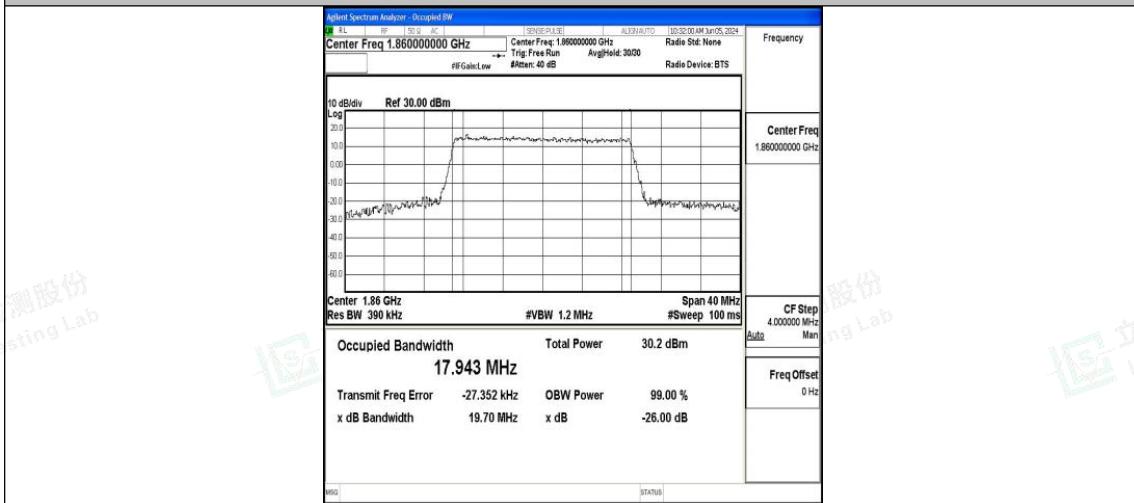


Band2-15MHz-16QAM-19125-75RB#0-PASS

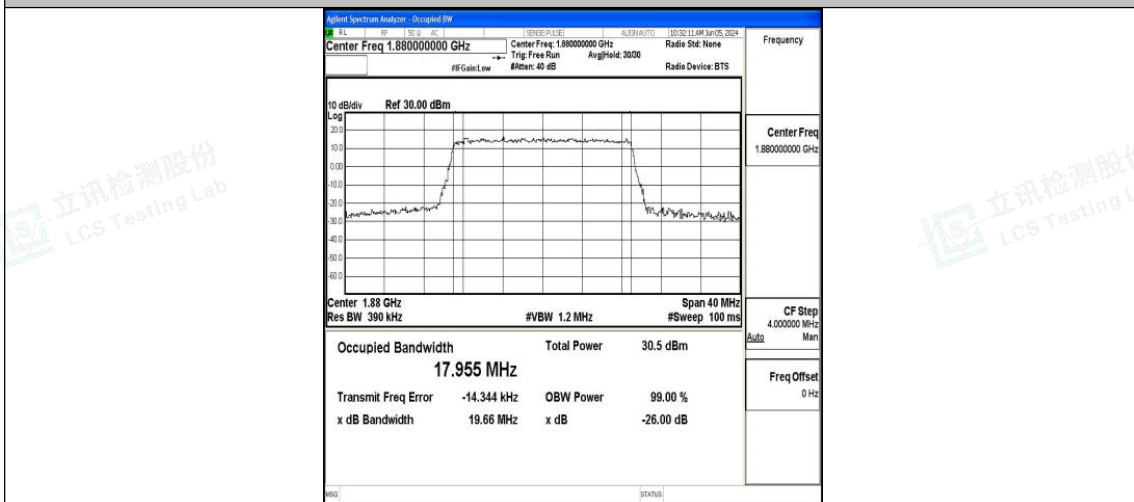




Band2-20MHz-QPSK-18700-100RB#0-PASS

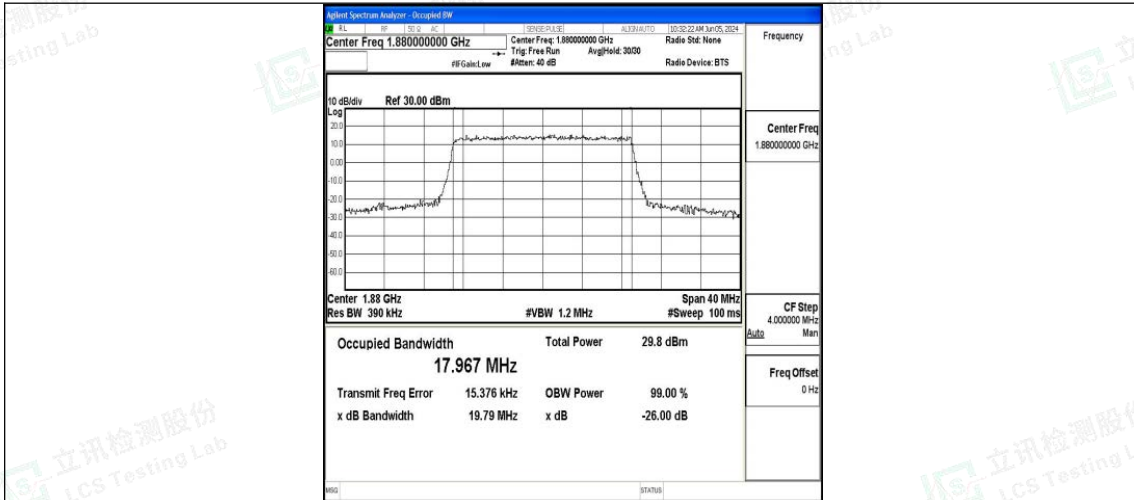


Band2-20MHz-16QAM-18700-100RB#0-PASS

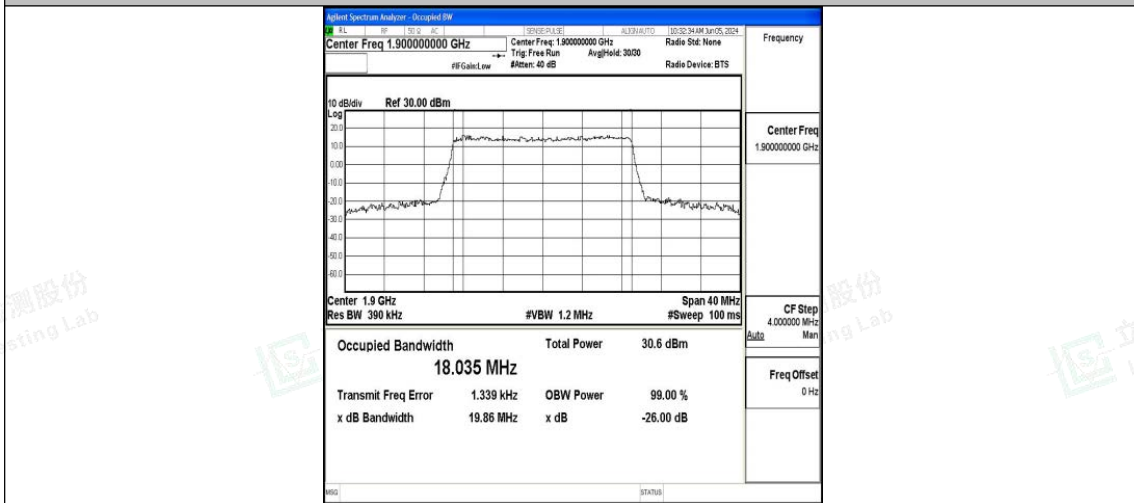


Band2-20MHz-QPSK-18900-100RB#0-PASS

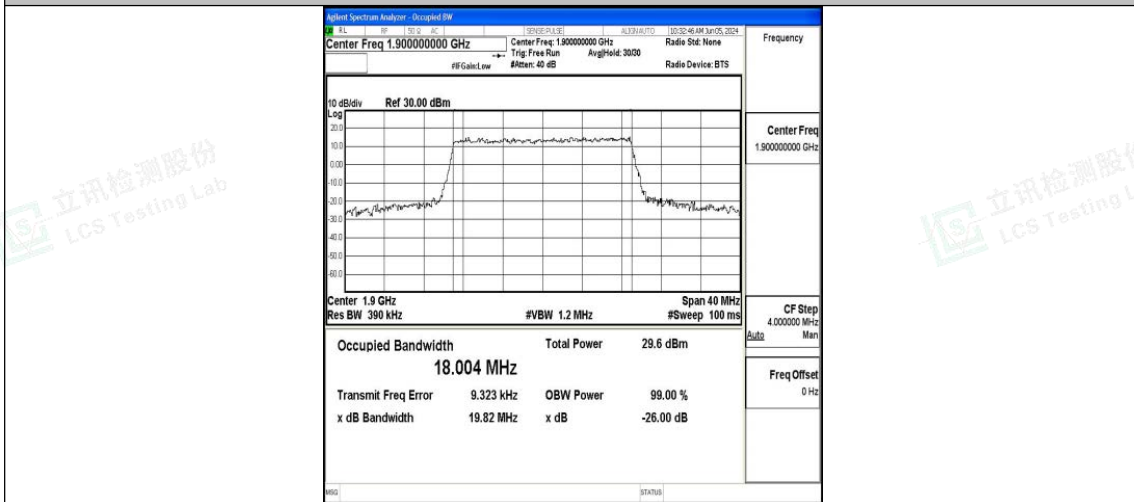




Band2-20MHz-16QAM-18900-100RB#0-PASS



Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#0-PASS







### F.4 Band Edge

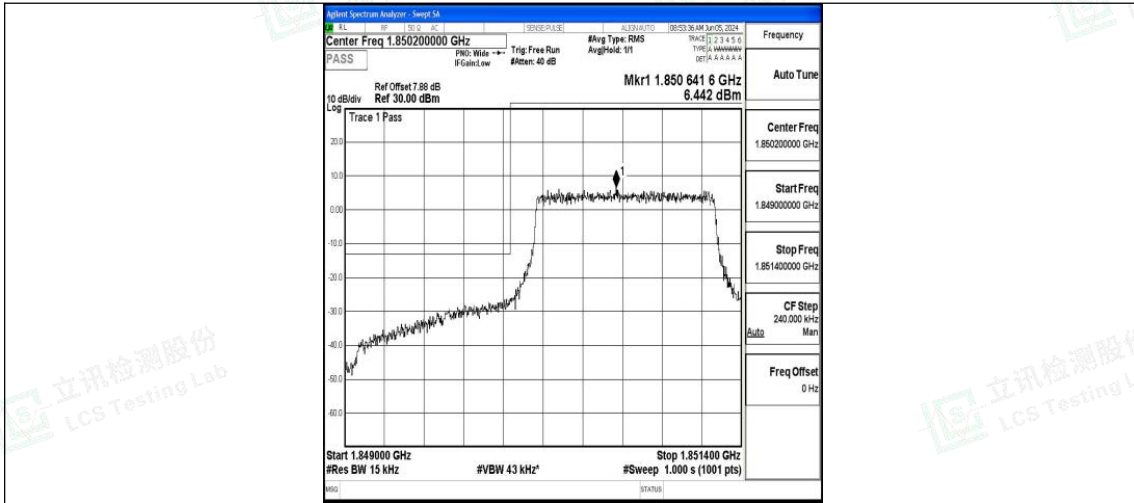
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1849.98	-26.40	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1849.93	-28.70	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1910.01	-31.13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1910.04	-32.98	PASS
Band2	3MHz	QPSK	18615	15RB#0	1849.91	-27.16	PASS
Band2	3MHz	16QAM	18615	15RB#0	1850.00	-29.66	PASS
Band2	3MHz	QPSK	19185	15RB#0	1910.02	-30.60	PASS
Band2	3MHz	16QAM	19185	15RB#0	1910.03	-33.74	PASS
Band2	5MHz	QPSK	18625	25RB#0	1849.95	-25.30	PASS
Band2	5MHz	16QAM	18625	25RB#0	1849.99	-26.27	PASS
Band2	5MHz	QPSK	19175	25RB#0	1910.00	-26.87	PASS
Band2	5MHz	16QAM	19175	25RB#0	1910.02	-28.15	PASS
Band2	10MHz	QPSK	18650	50RB#0	1849.99	-28.44	PASS
Band2	10MHz	16QAM	18650	50RB#0	1849.98	-31.14	PASS
Band2	10MHz	QPSK	19150	50RB#0	1910.01	-30.42	PASS
Band2	10MHz	16QAM	19150	50RB#0	1910.01	-31.21	PASS
Band2	15MHz	QPSK	18675	75RB#0	1849.94	-30.50	PASS
Band2	15MHz	16QAM	18675	75RB#0	1849.99	-32.46	PASS
Band2	15MHz	QPSK	19125	75RB#0	1910.06	-30.15	PASS
Band2	15MHz	16QAM	19125	75RB#0	1910.01	-31.71	PASS
Band2	20MHz	QPSK	18700	100RB#0	1849.92	-33.13	PASS
Band2	20MHz	16QAM	18700	100RB#0	1849.92	-34.82	PASS
Band2	20MHz	QPSK	19100	100RB#0	1910.08	-31.64	PASS
Band2	20MHz	16QAM	19100	100RB#0	1910.03	-33.45	PASS

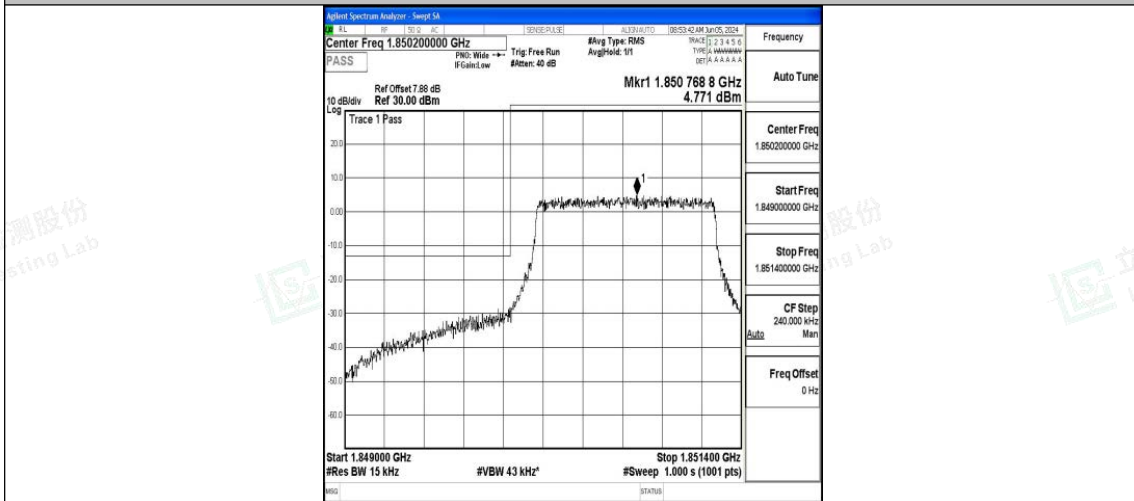




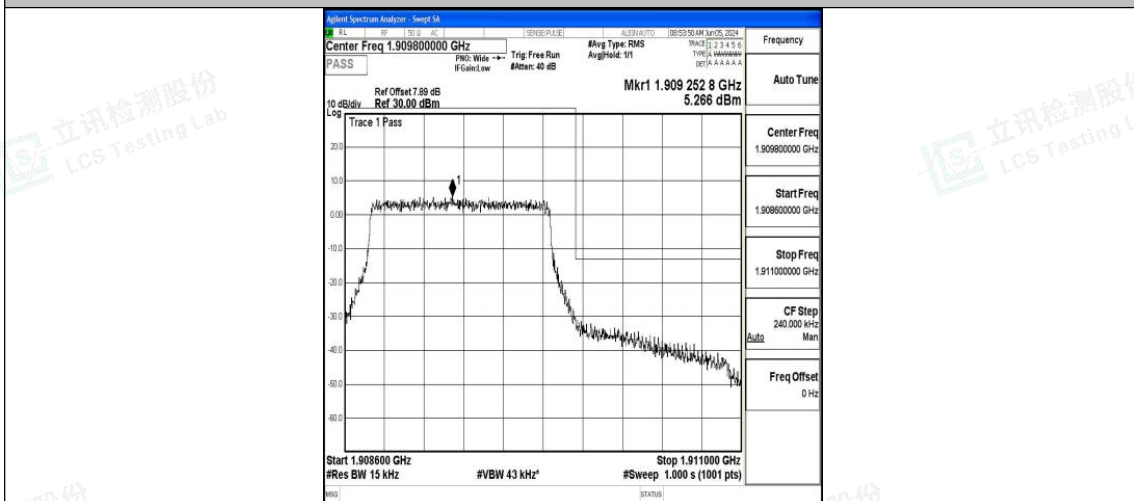
### Test Graphs



Band2\_1.4MHz\_QPSK\_18607\_6RB#0

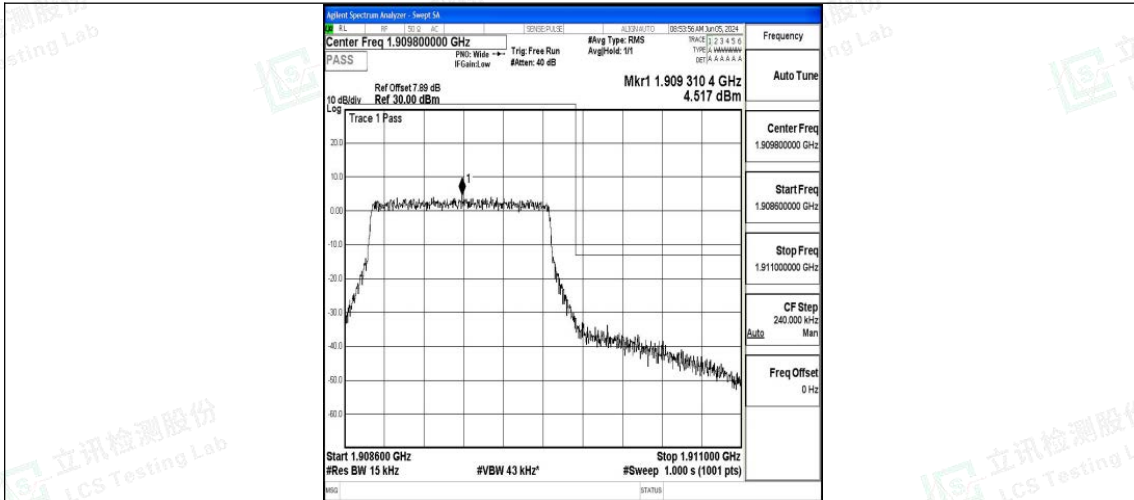


Band2\_1.4MHz\_16QAM\_18607\_6RB#0

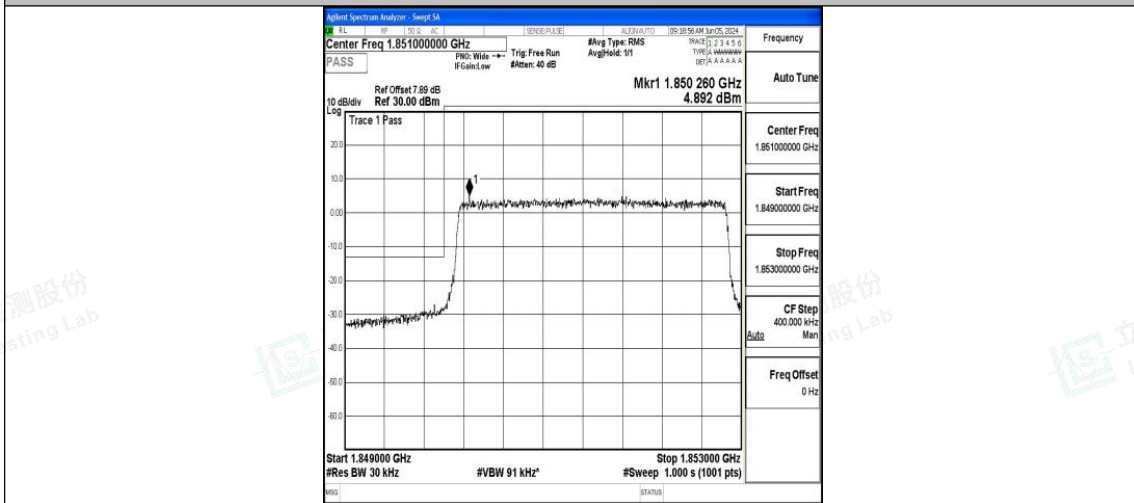


Band2\_1.4MHz\_QPSK\_19193\_6RB#0

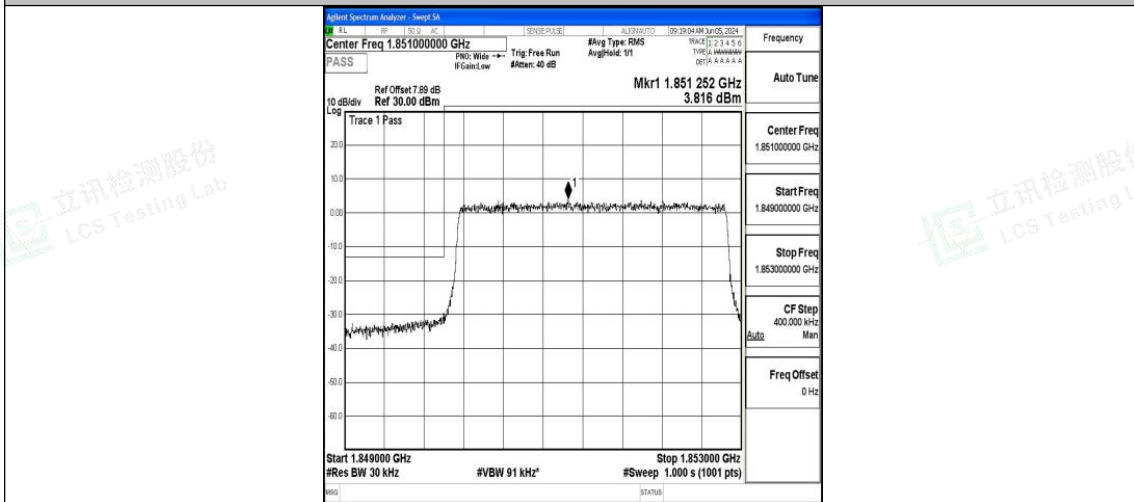




Band2\_1.4MHz\_16QAM\_19193\_6RB#0

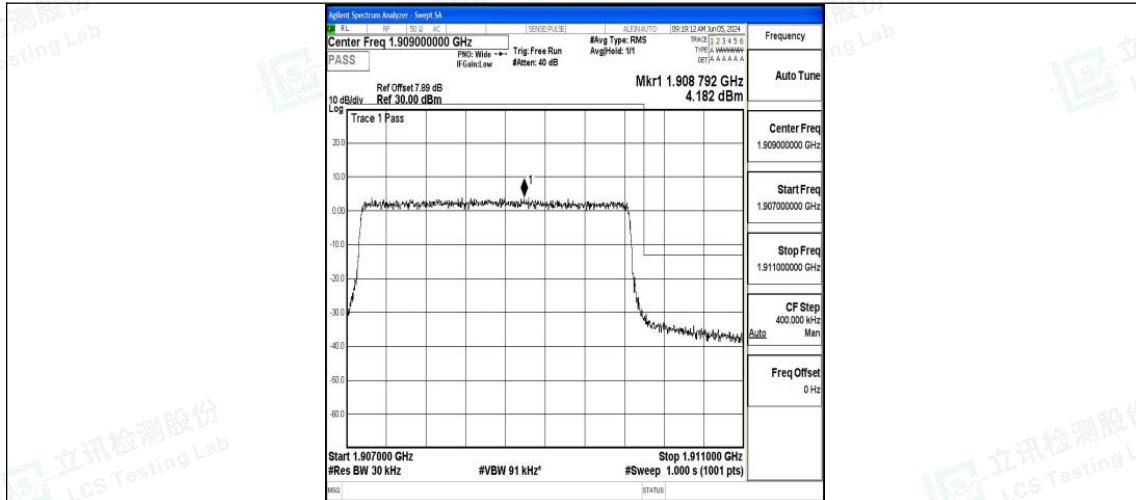


Band2\_3MHz\_QPSK\_18615\_15RB#0

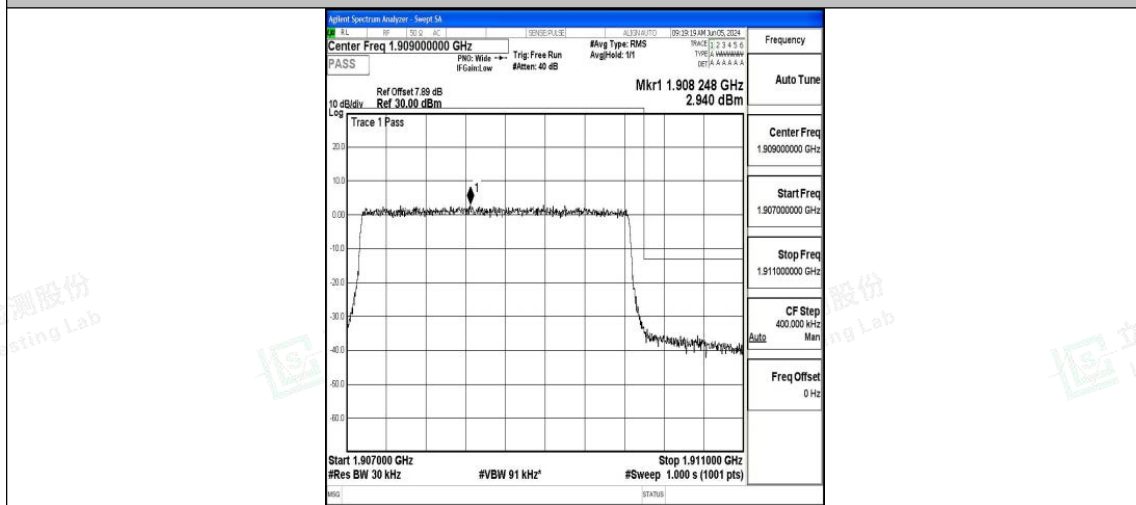


Band2\_3MHz\_16QAM\_18615\_15RB#0

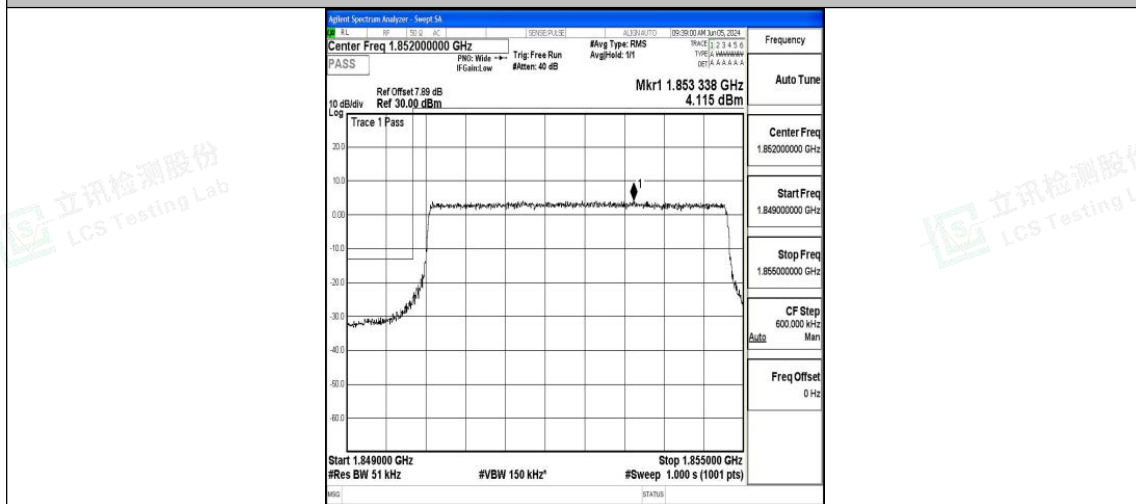




Band2\_3MHz\_QPSK\_19185\_15RB#0



Band2\_3MHz\_16QAM\_19185\_15RB#0



Band2\_5MHz\_QPSK\_18625\_25RB#0

