



Appendix G: Test Data for E-UTRA Band 4

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





G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	20.45	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.25	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	20.53	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.26	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	20.71	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	19.78	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	20.58	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	19.83	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	20.65	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	19.80	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	20.66	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	19.49	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.79	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	18.91	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.68	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.21	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	21.76	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.29	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.78	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.27	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.72	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.88	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.77	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.85	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.85	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.93	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.34	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.80	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.51	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.68	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.49	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.71	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.51	PASS





Band4	1.4MHz	QPSK	20393	3RB#0	21.67	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.78	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.72	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.78	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.73	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.79	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.80	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.06	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.71	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.84	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.71	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.91	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.56	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.85	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.02	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.94	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.23	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.88	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.86	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.14	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.24	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.86	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.23	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.35	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.39	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.39	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.41	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.75	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.40	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.74	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.45	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.78	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.46	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.47	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.73	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.02	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.71	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.02	PASS





Band4	3MHz	QPSK	20385	1RB#14	22.64	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.01	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.86	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.24	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.89	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.25	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.93	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.18	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.95	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.10	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.76	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.53	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.74	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.47	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.72	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.42	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.99	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.16	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.01	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.16	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.98	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.09	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.96	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.23	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.12	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.63	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.15	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.69	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.34	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.37	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.52	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.66	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.50	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.68	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.45	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.78	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.54	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.66	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.85	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.65	PASS





Band4	5MHz	QPSK	20375	1RB#12	22.81	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.57	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.78	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.53	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.99	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.13	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.09	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.14	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.01	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.14	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.07	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.09	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.68	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.95	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.60	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.88	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.64	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.94	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.92	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.10	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.86	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.04	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.88	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.95	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.16	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.14	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.27	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.24	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.39	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.28	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.34	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.46	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.73	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.44	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.71	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.45	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.77	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.46	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.66	PASS





Band4	10MHz	QPSK	20350	1RB#0	22.85	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.74	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.68	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.54	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.66	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.41	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.10	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.36	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.12	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.38	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.97	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.20	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.08	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.27	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.72	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.98	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.66	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.89	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.43	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.11	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.96	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.96	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.96	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.95	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.94	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.02	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.01	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.14	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.59	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.14	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.86	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.26	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.78	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.28	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.39	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.37	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.37	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.37	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.36	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.36	PASS





Band4	15MHz	QPSK	20175	75RB#0	22.36	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.68	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.04	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.68	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.84	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.43	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.67	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.18	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.09	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.09	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.09	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.10	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.10	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.11	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.11	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.34	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.73	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.82	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.57	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.71	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.04	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.10	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.90	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.21	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.93	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.21	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.11	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.46	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.98	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.51	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.47	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.33	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.01	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.19	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.80	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.42	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.58	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.37	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.57	PASS





Band4	20MHz	QPSK	20175	50RB#50	22.41	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.72	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.46	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.75	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.35	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.13	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.09	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.91	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.91	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.53	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.39	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.75	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.45	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.75	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.09	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.43	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.24	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.49	PASS





G.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	3.70	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.81	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.50	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.33	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.56	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.51	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.01	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.79	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.40	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.45	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.10	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.95	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.73	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.73	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.61	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.41	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.55	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.49	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.13	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.84	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.54	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.51	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.30	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.08	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.04	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.77	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.06	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.75	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.69	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.31	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.51	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.13	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.89	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.62	13	PASS



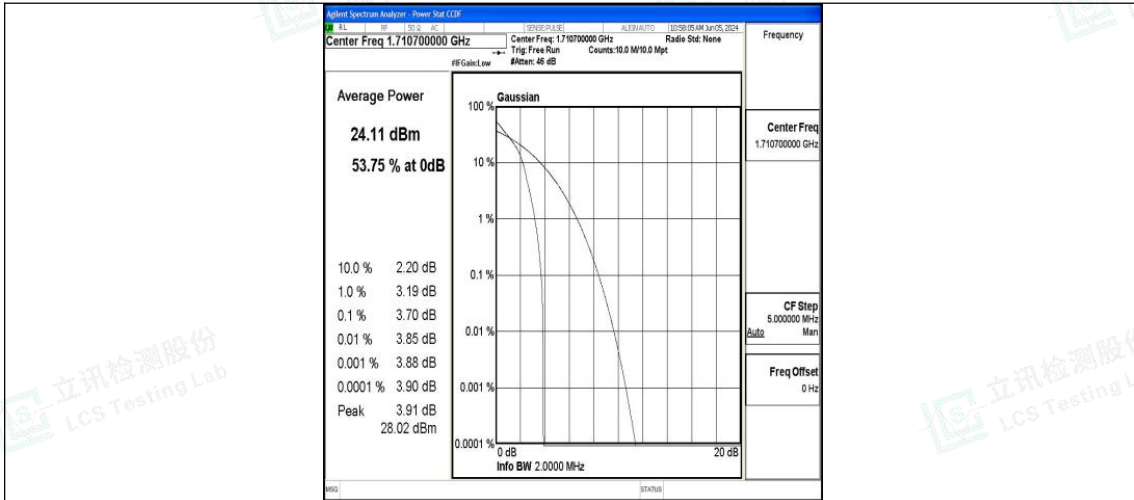


Band4	5MHz	QPSK	20375	25RB#0	4.92	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.54	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	3.93	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.86	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.11	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.78	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.57	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.47	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.38	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.20	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.06	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.93	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.02	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.80	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.96	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.94	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.36	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.91	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.44	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.43	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.73	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.31	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.32	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.23	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.37	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.98	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.99	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.74	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.25	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.92	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.45	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.18	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.41	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.17	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.68	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.64	13	PASS
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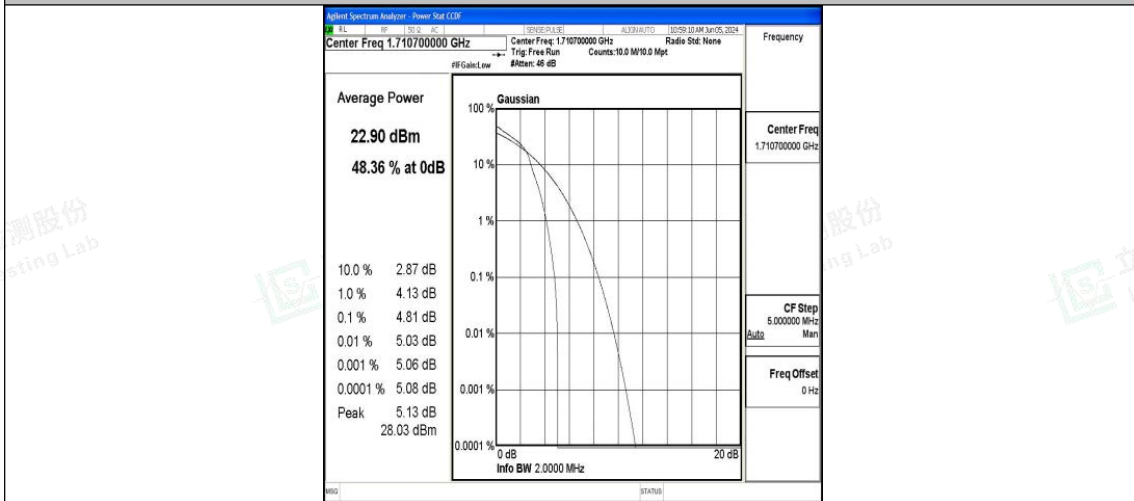




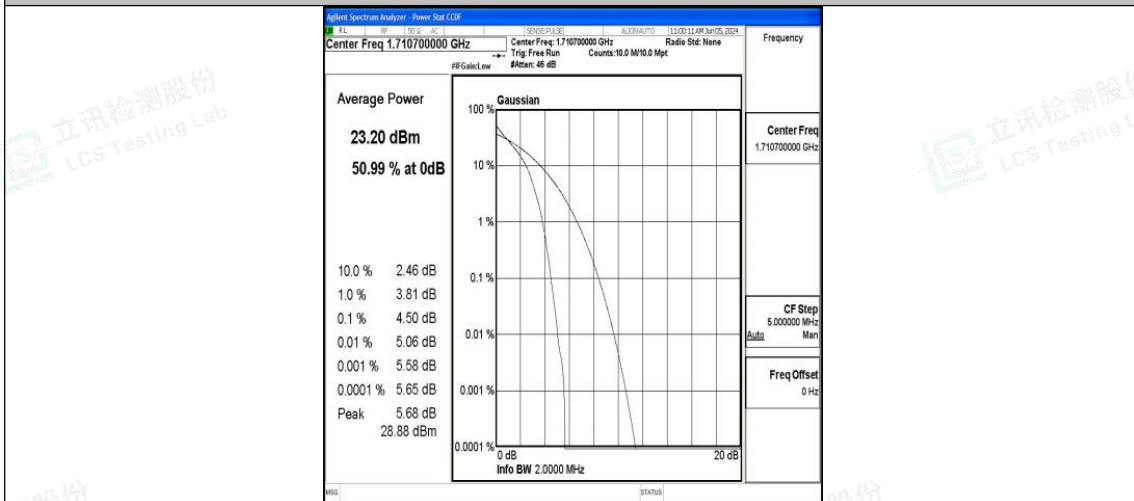
Test Graphs



Band4-1.4MHz-QPSK-19957-1RB#0-PASS

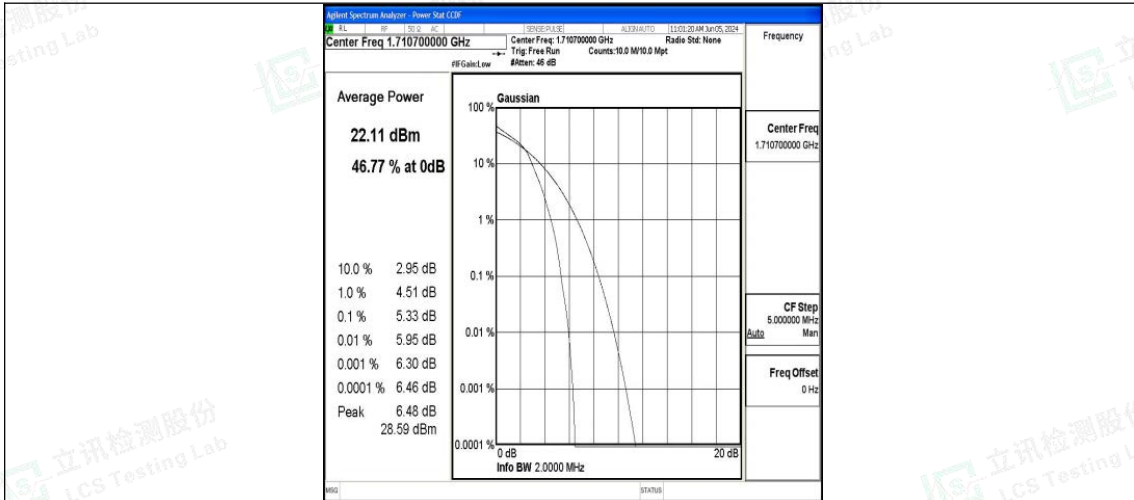


Band4-1.4MHz-16QAM-19957-1RB#0-PASS

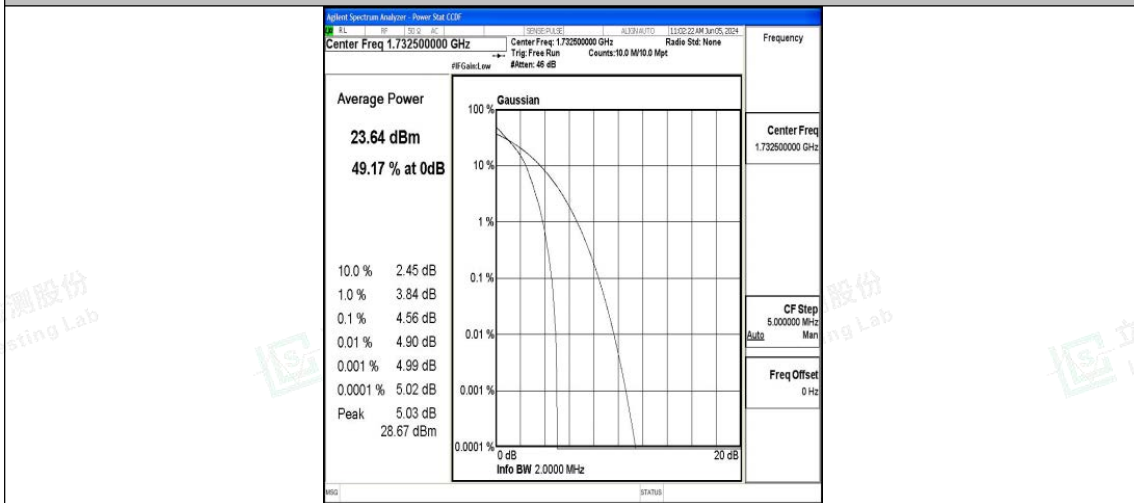


Band4-1.4MHz-QPSK-19957-6RB#0-PASS

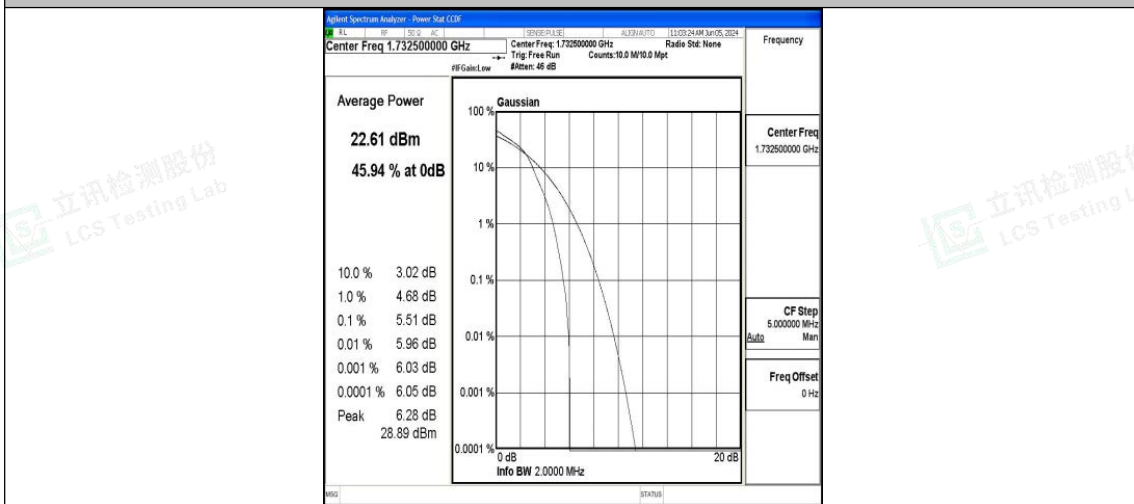




Band4-1.4MHz-16QAM-19957-6RB#0-PASS

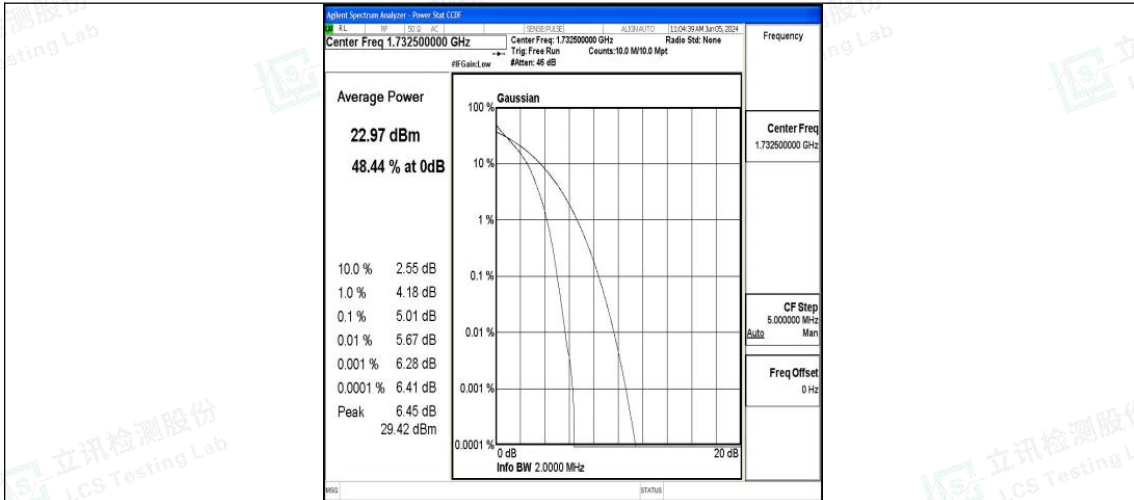


Band4-1.4MHz-QPSK-20175-1RB#0-PASS

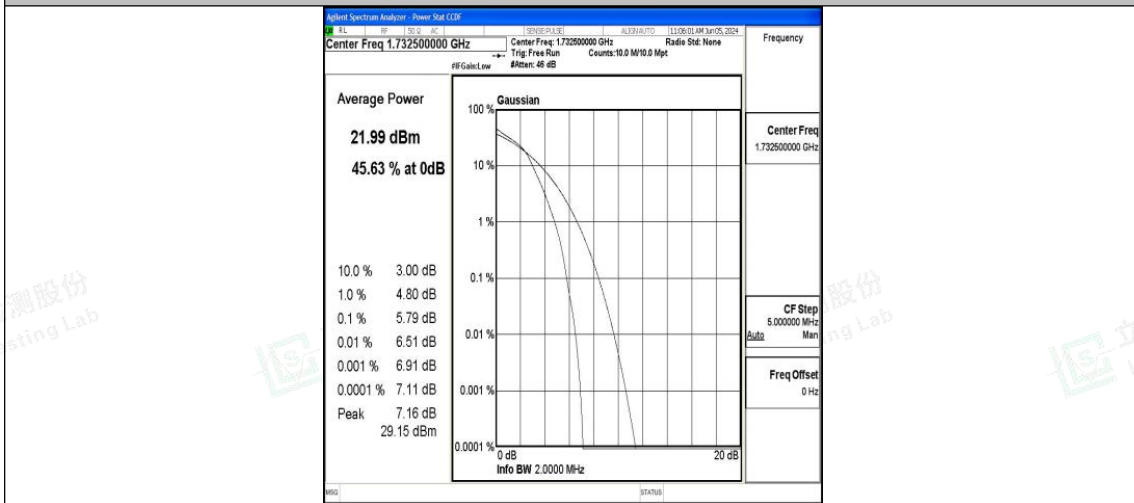


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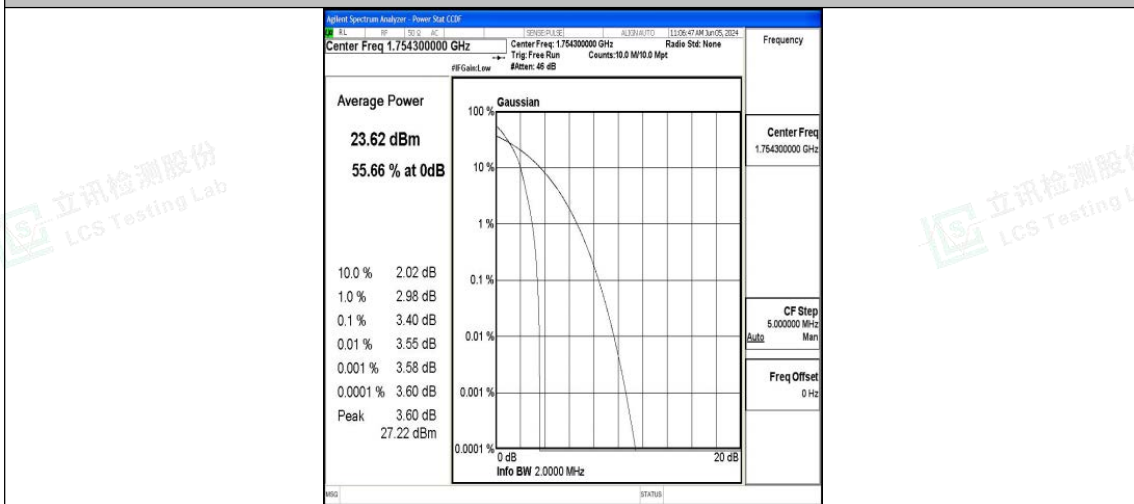




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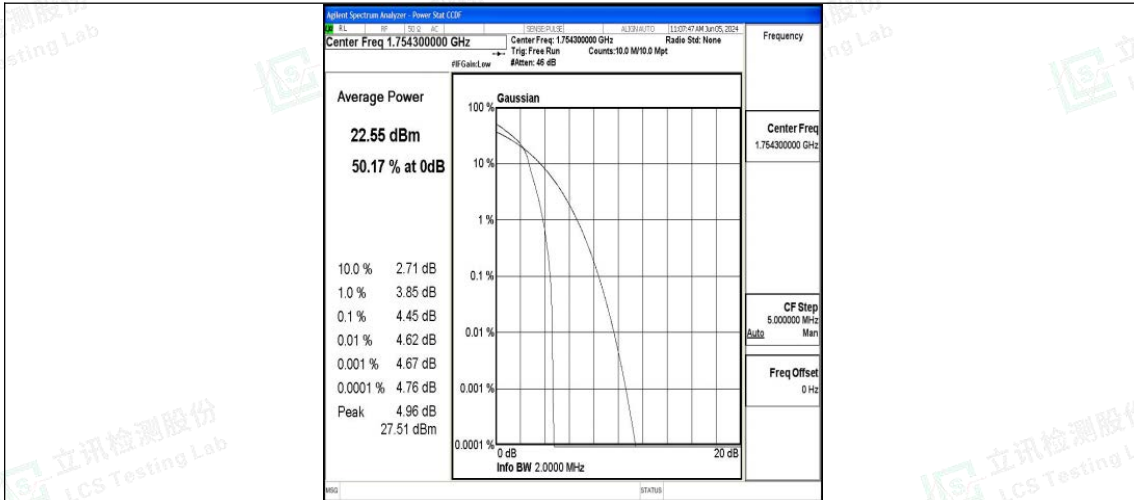


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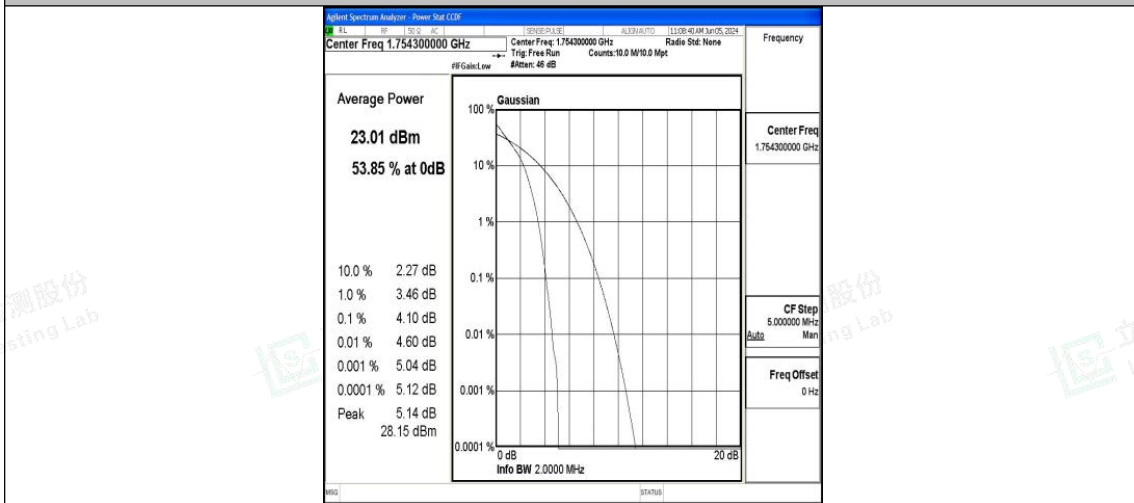


Band4-1.4MHz-QPSK-20393-1RB#0-PASS

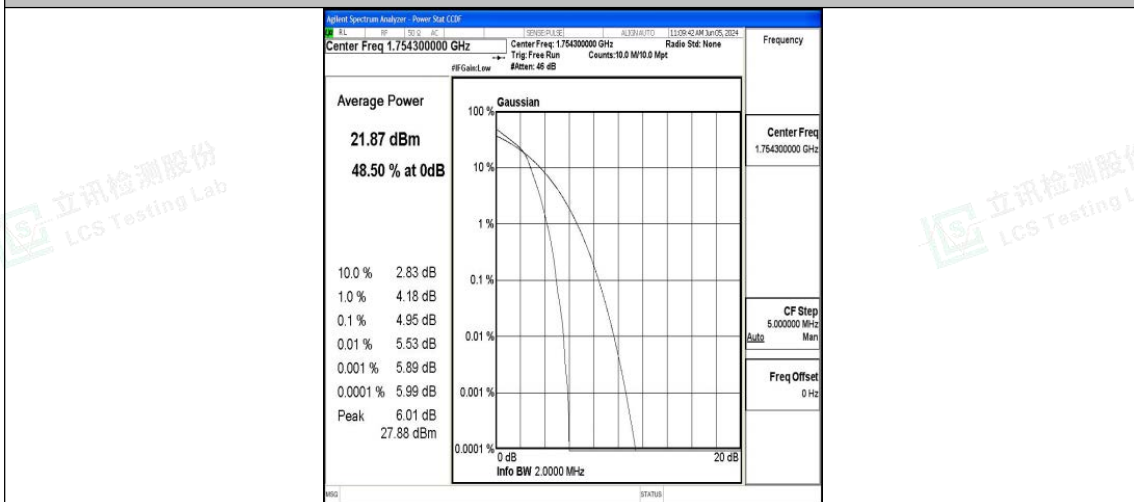




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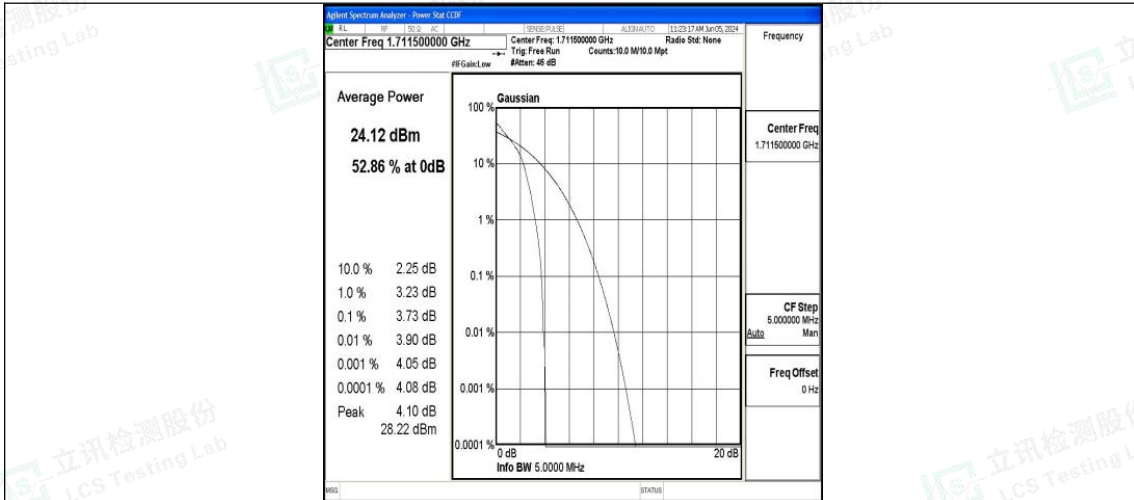


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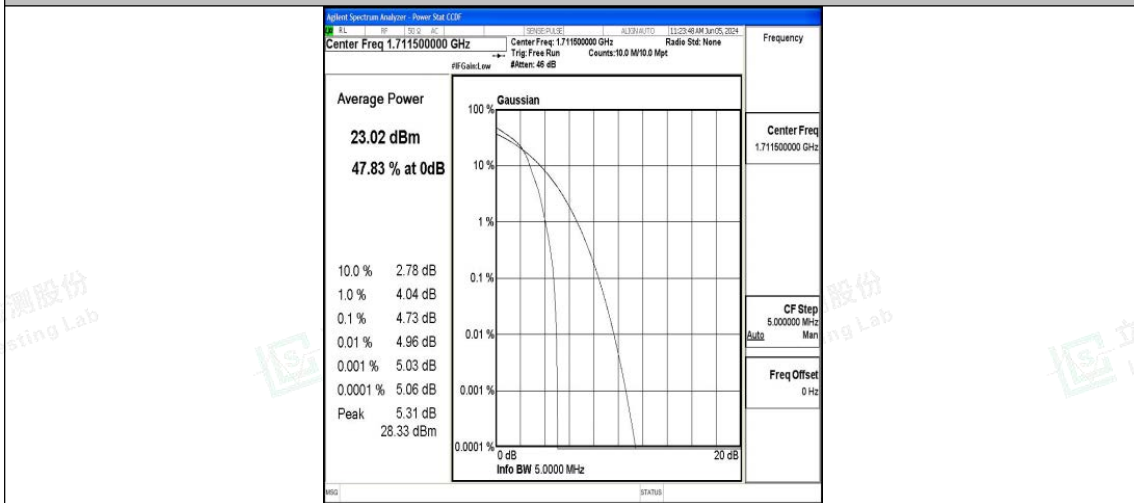


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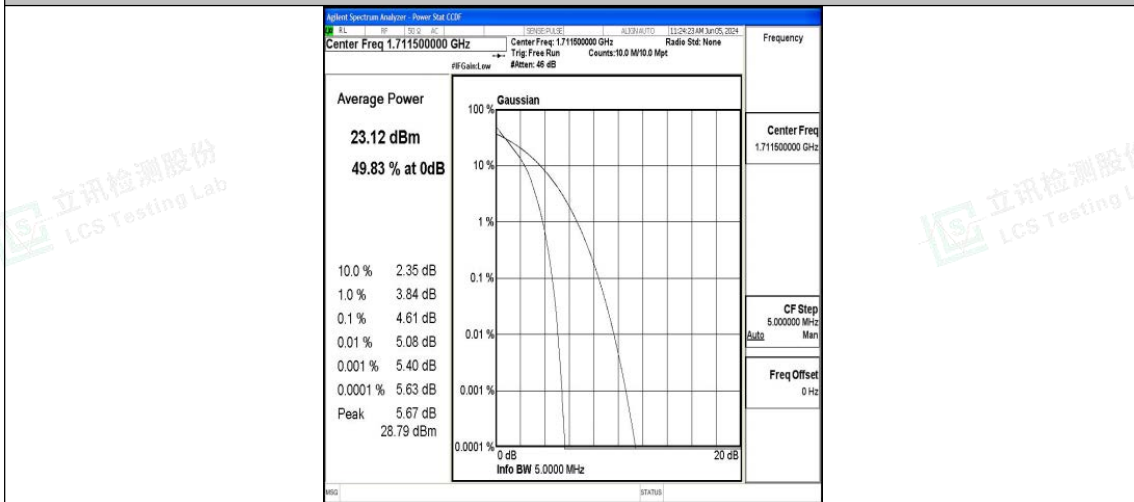




Band4-3MHz-QPSK-19965-1RB#0-PASS

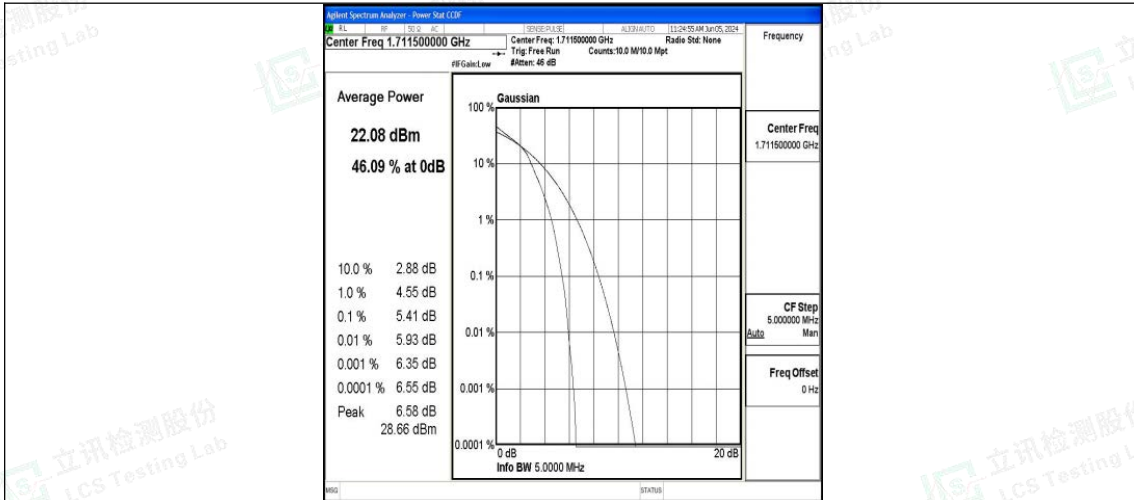


Band4-3MHz-16QAM-19965-1RB#0-PASS

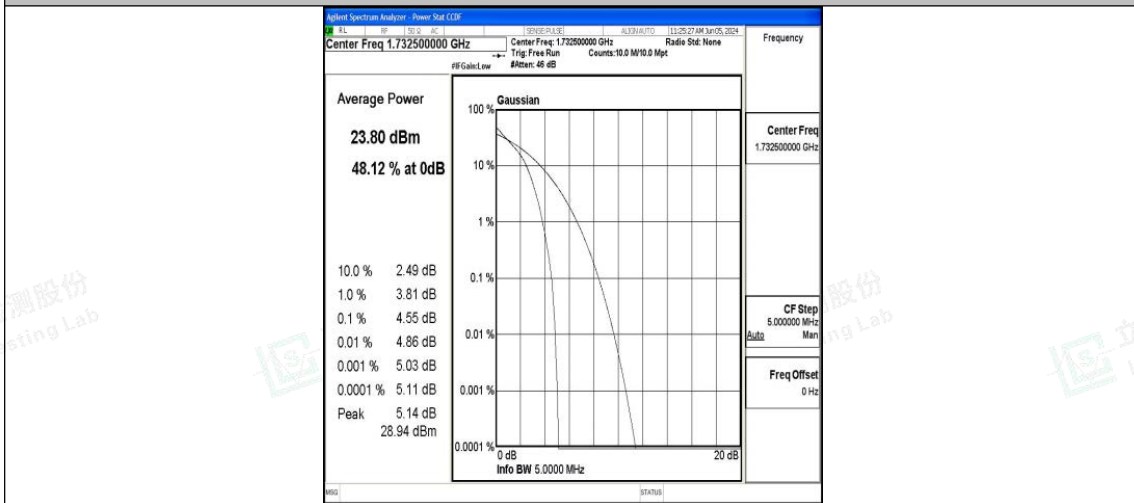


Band4-3MHz-QPSK-19965-15RB#0-PASS

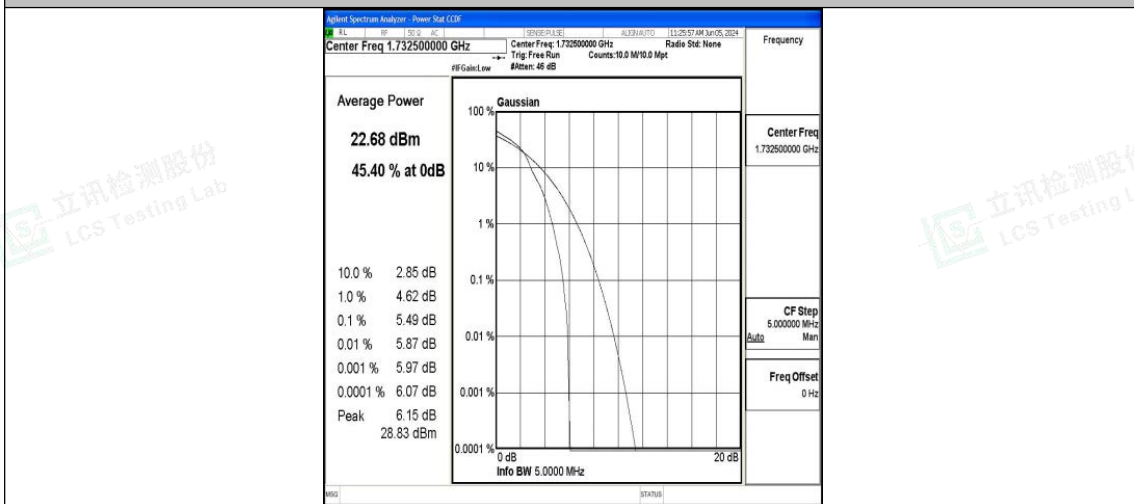




Band4-3MHz-16QAM-19965-15RB#0-PASS

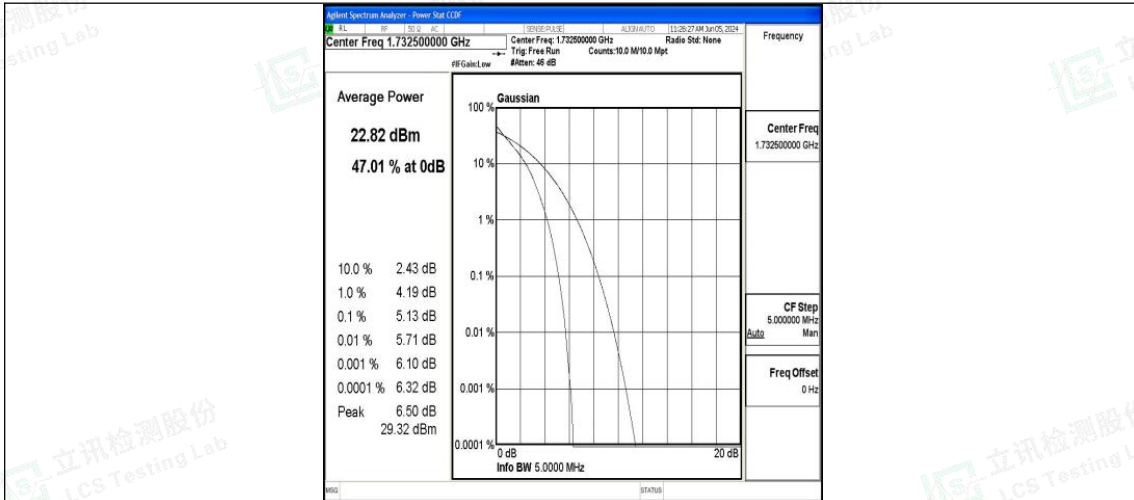


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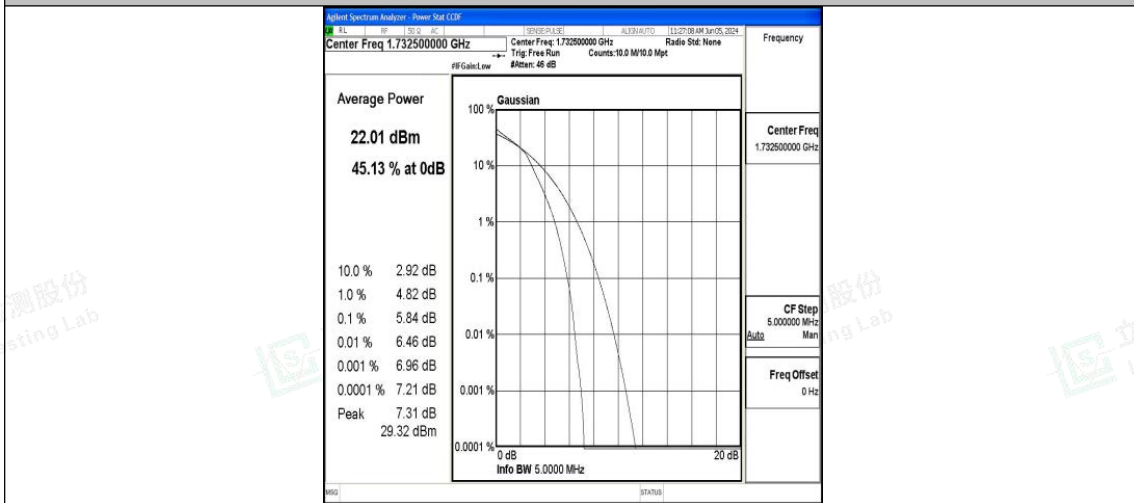


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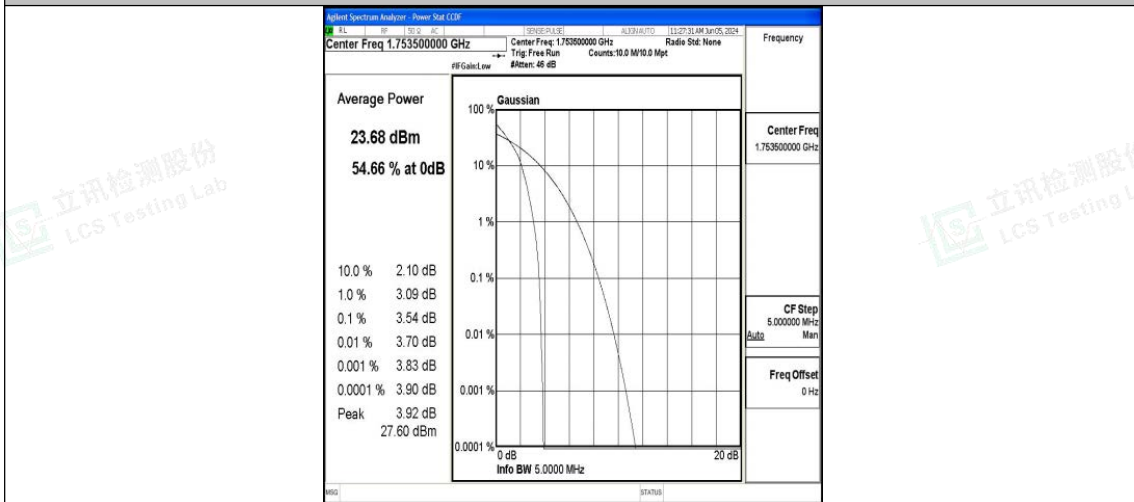




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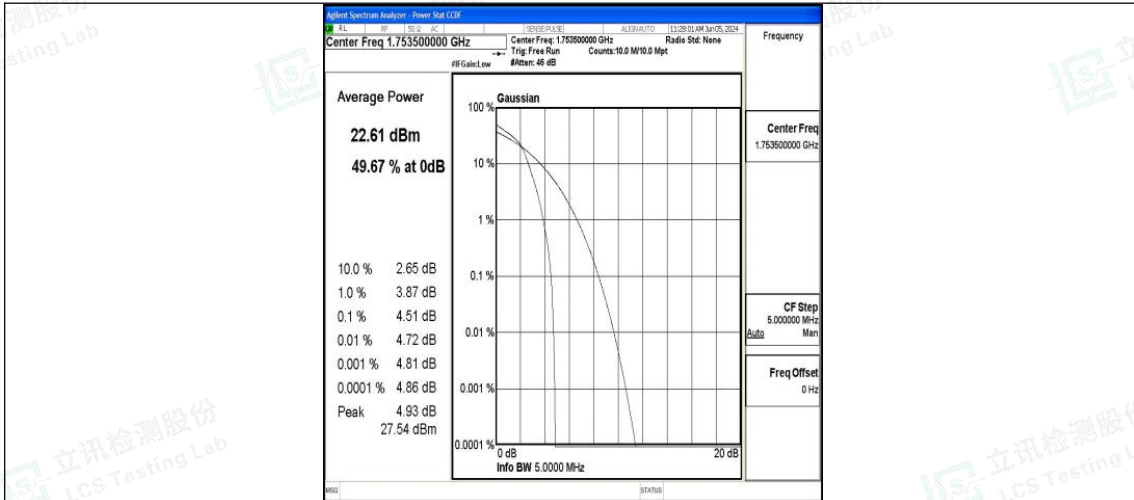


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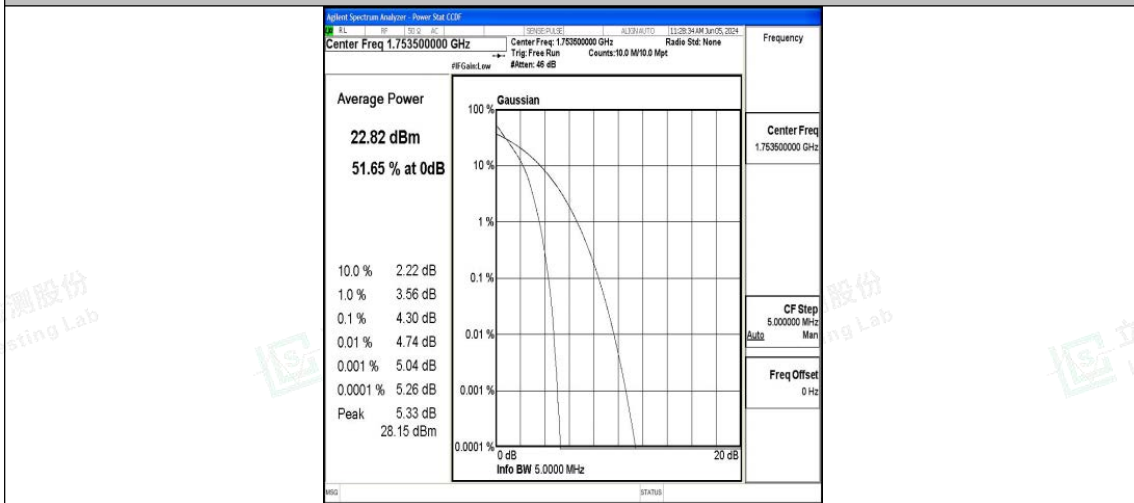


Band4-3MHz-QPSK-20385-1RB#0-PASS

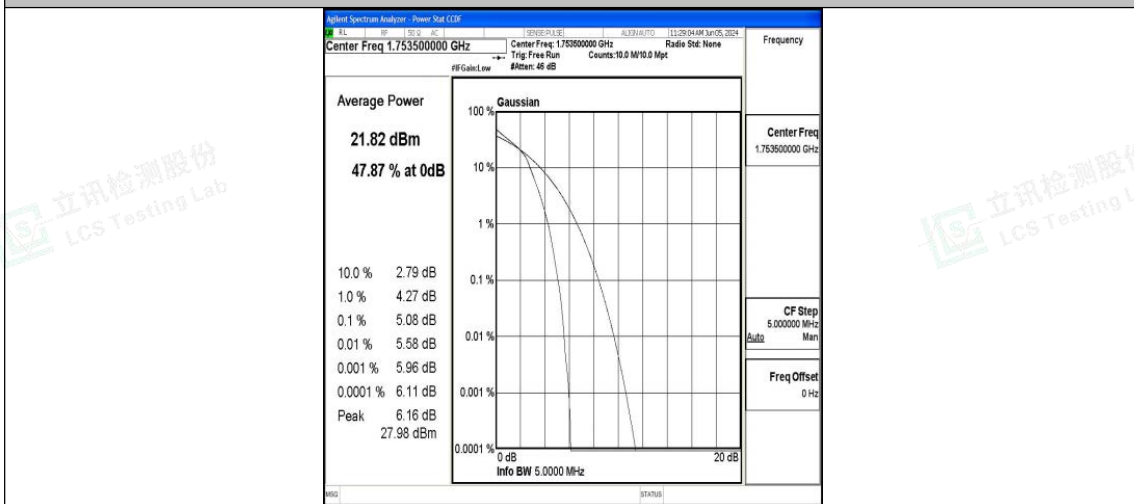




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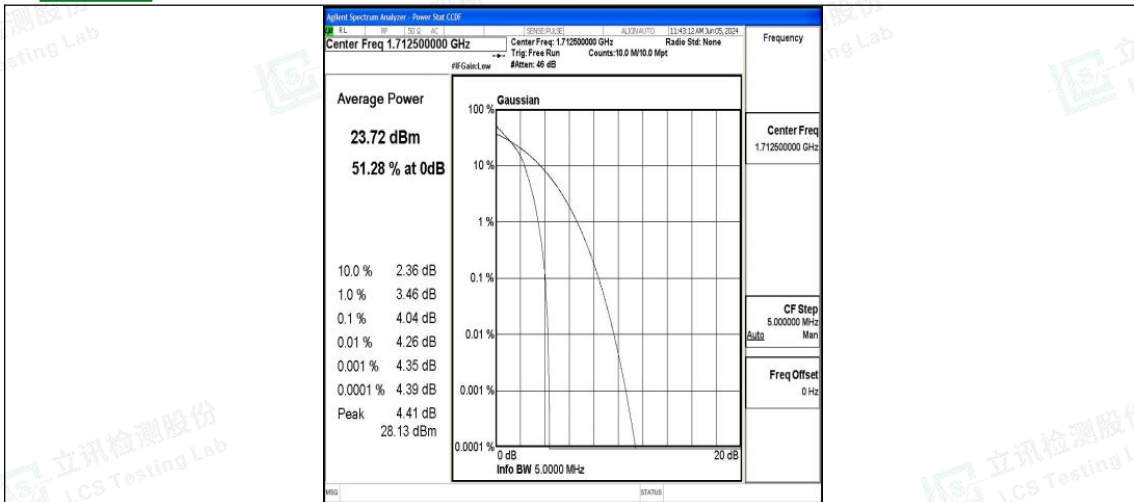


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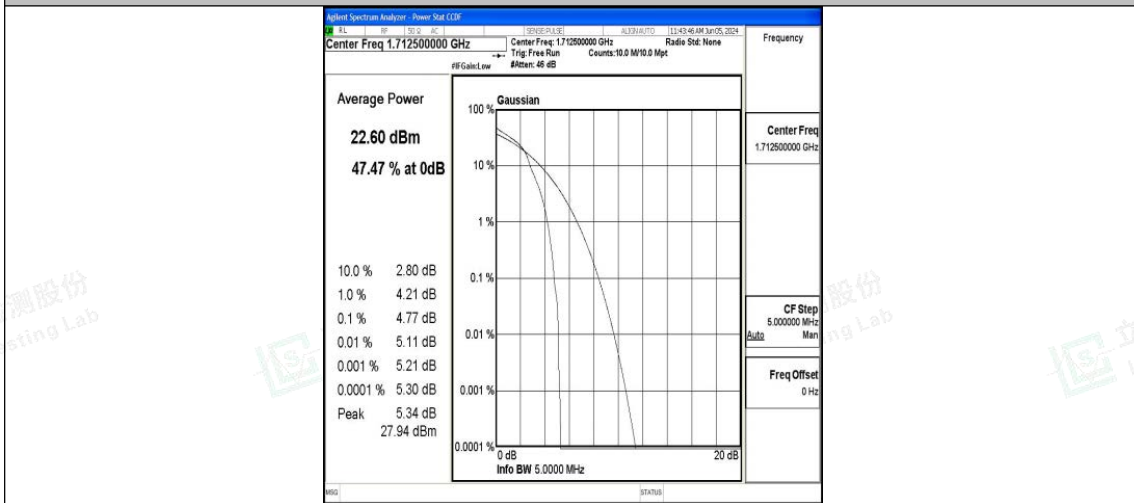


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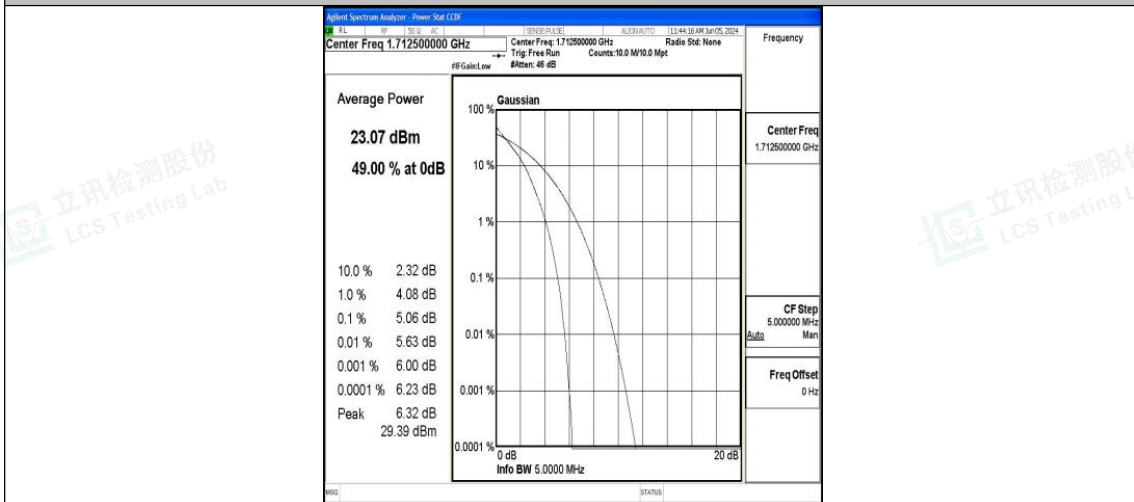




Band4-5MHz-QPSK-19975-1RB#0-PASS

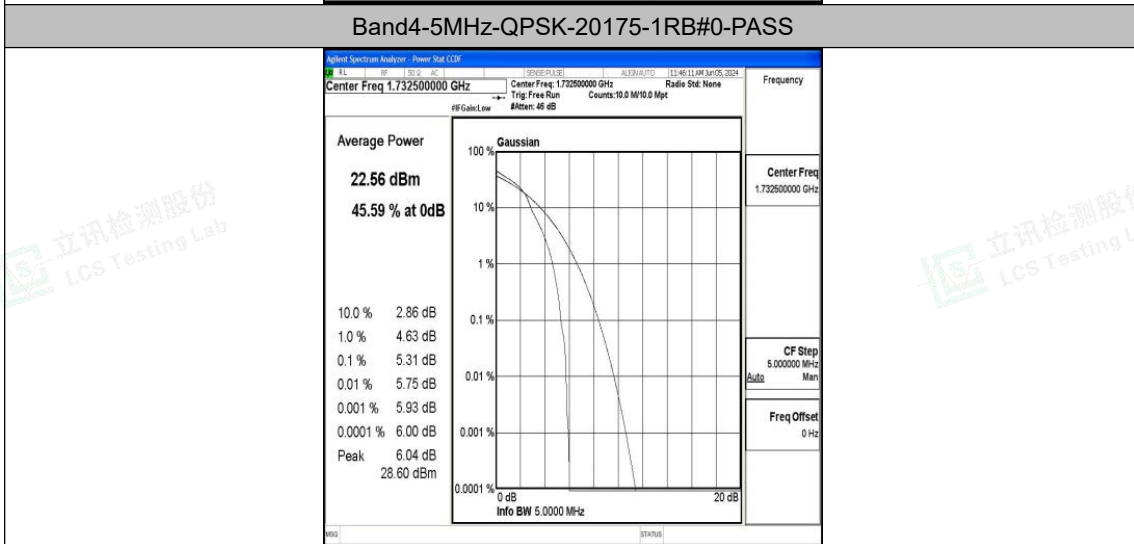
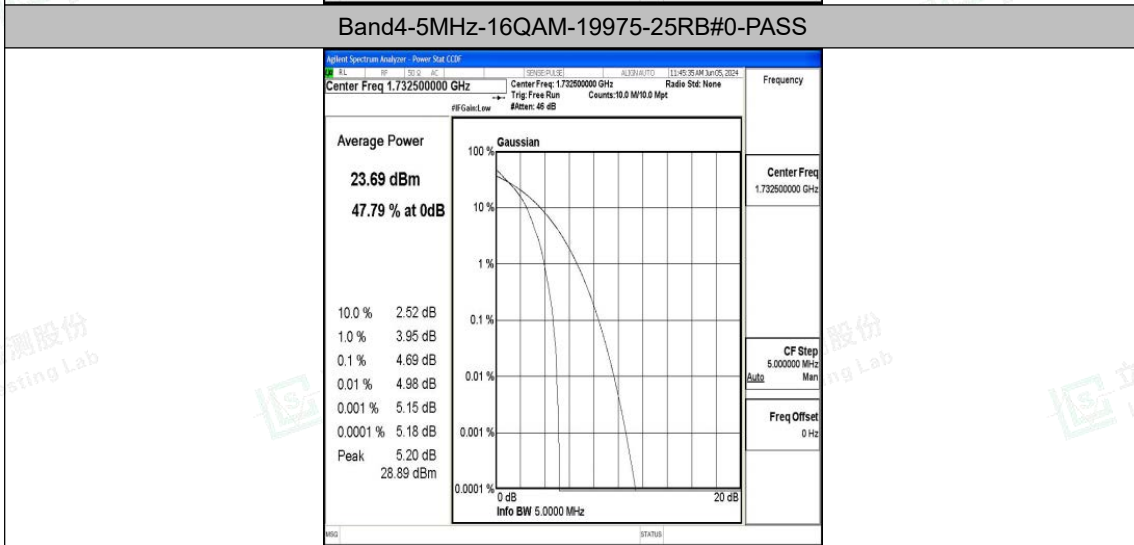
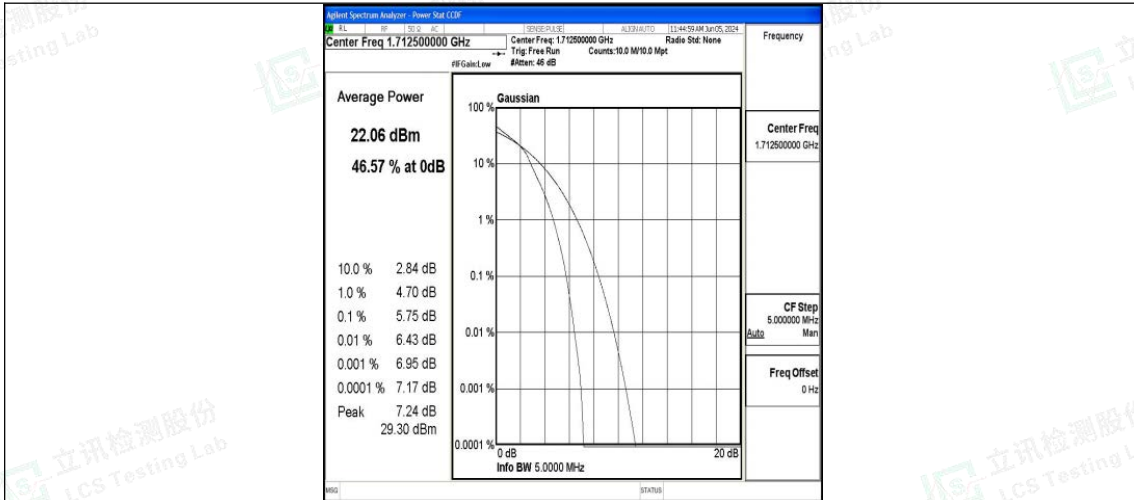


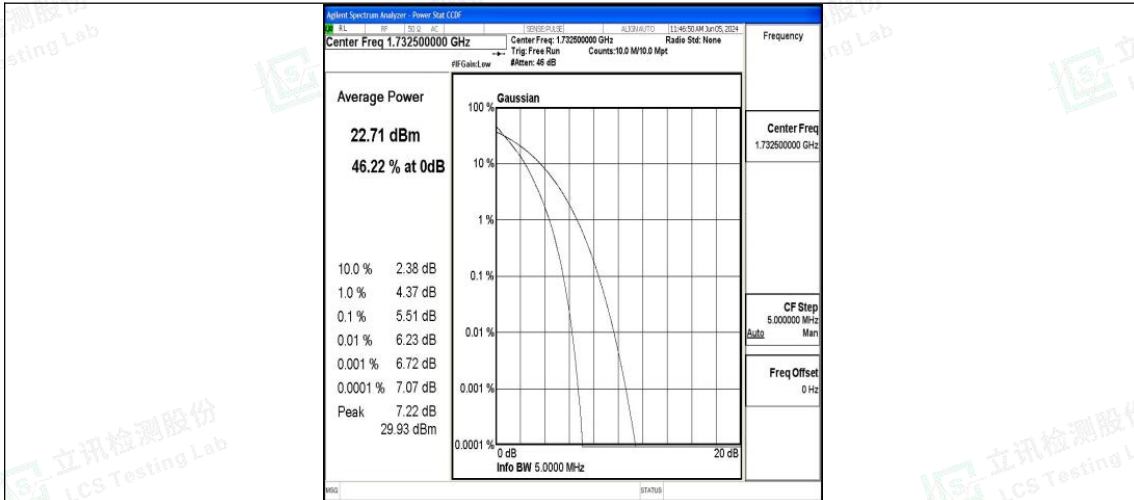
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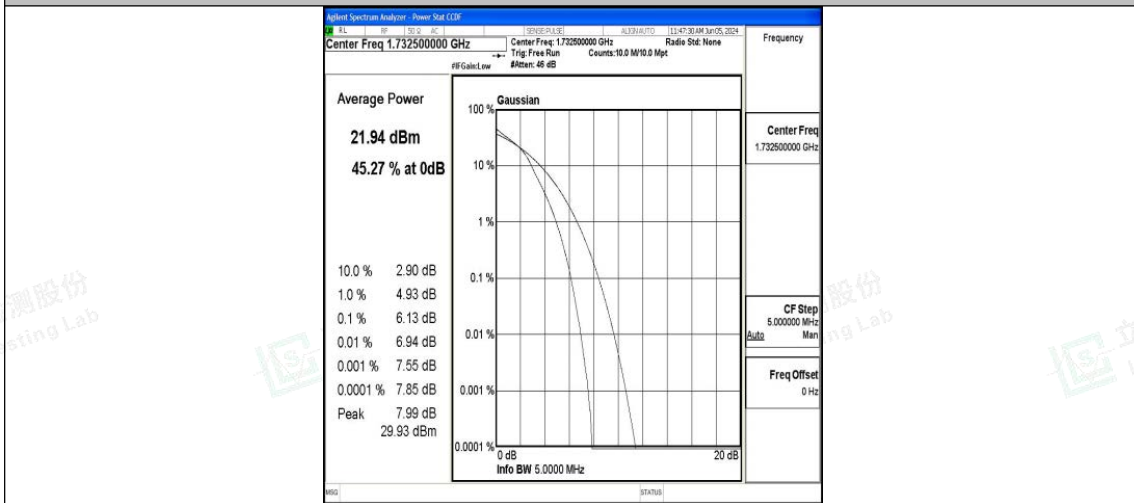
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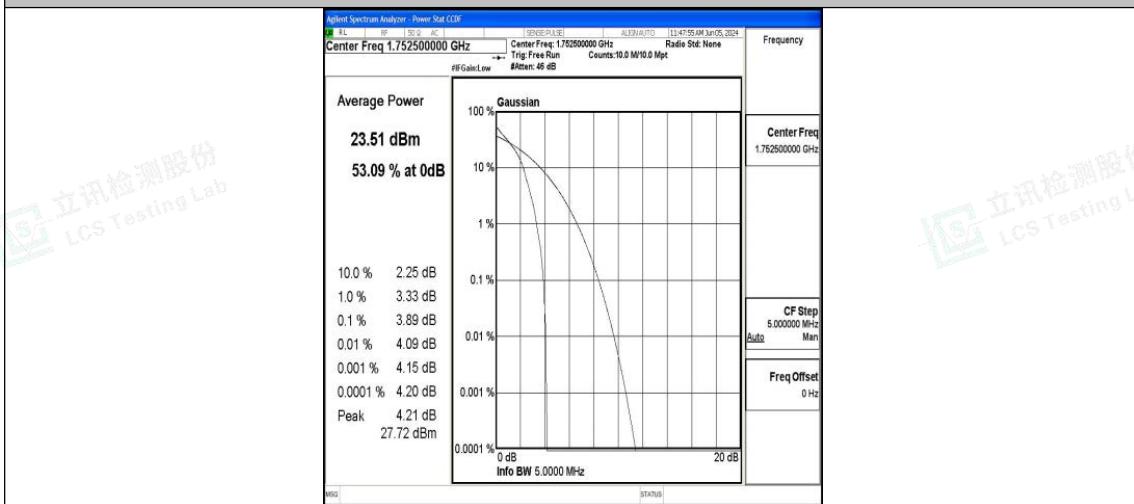




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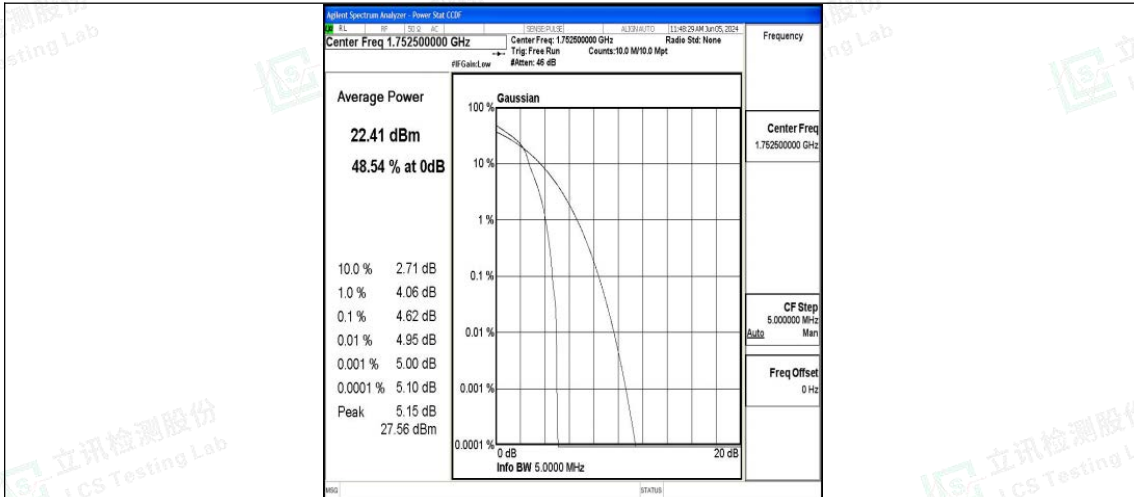


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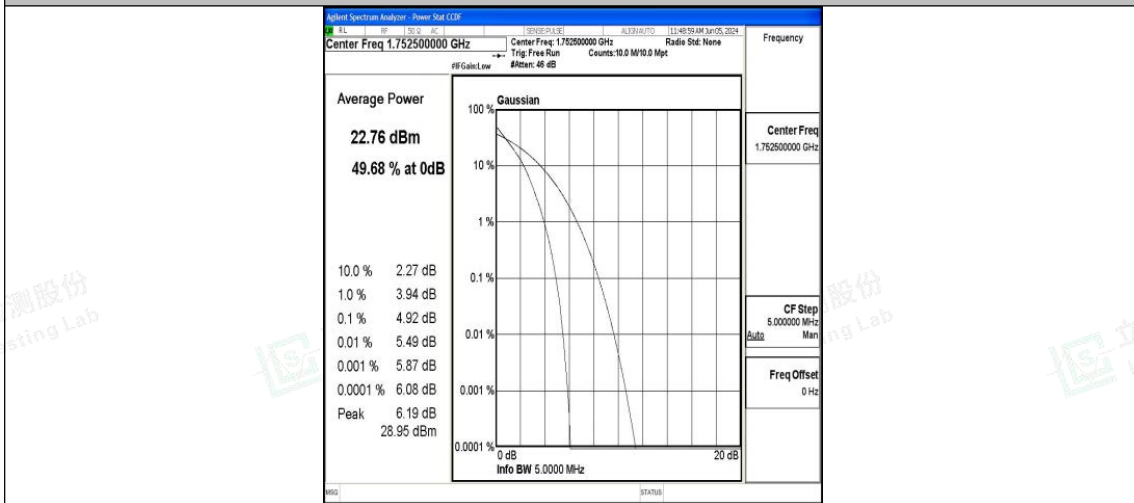


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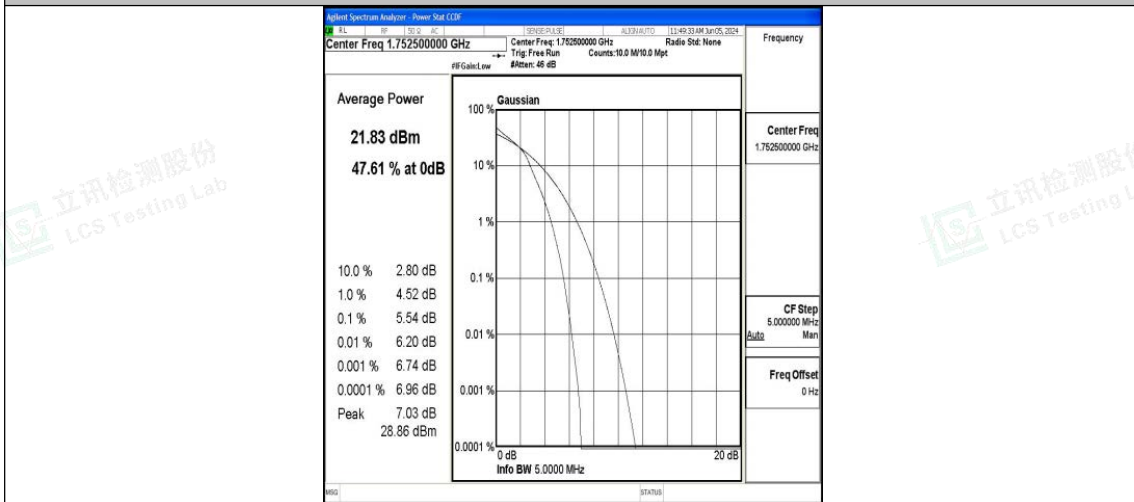




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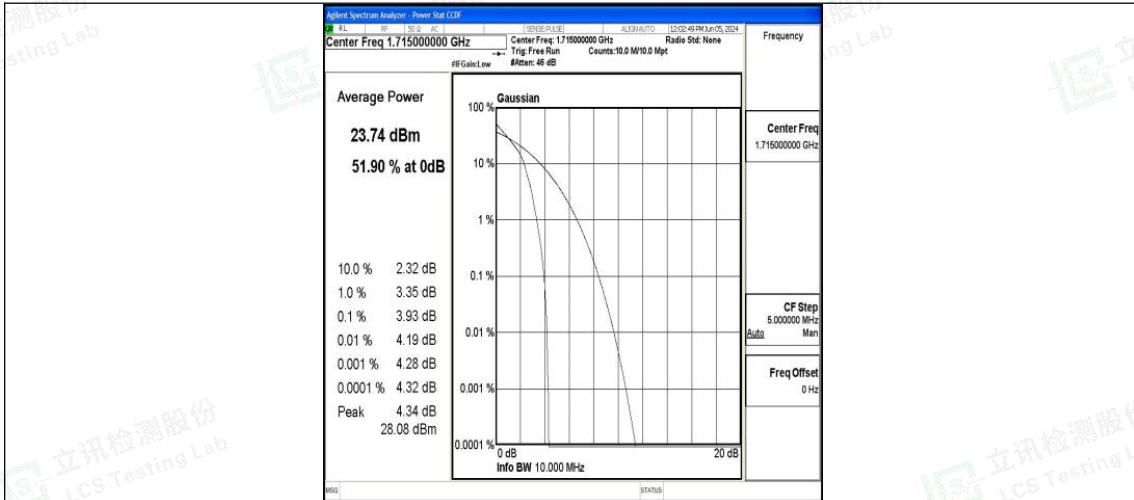


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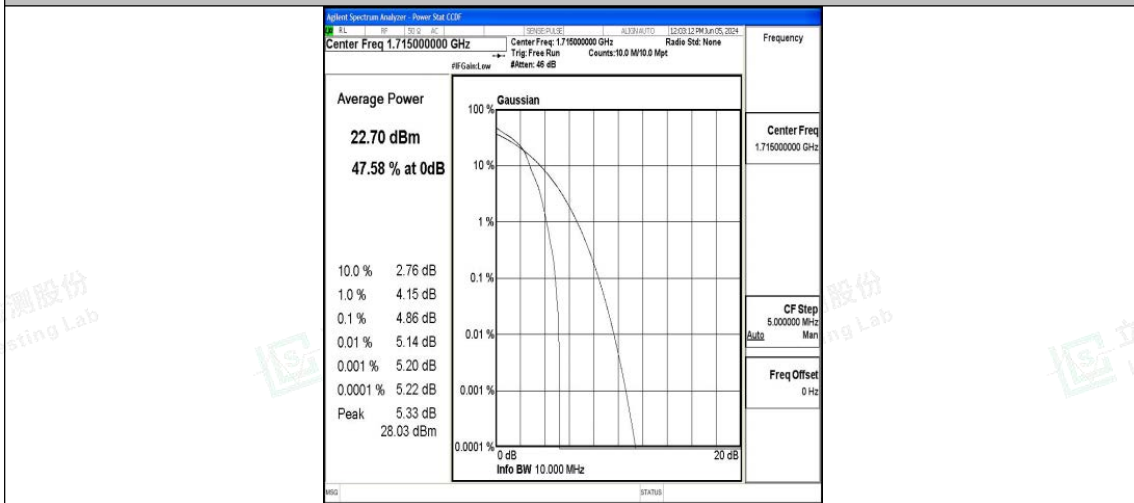


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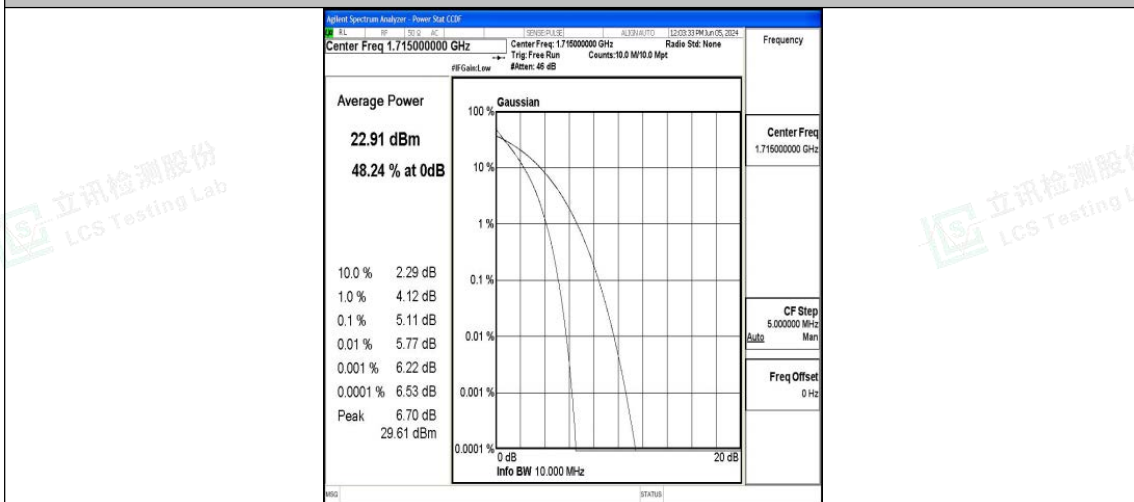




Band4-10MHz-QPSK-20000-1RB#0-PASS

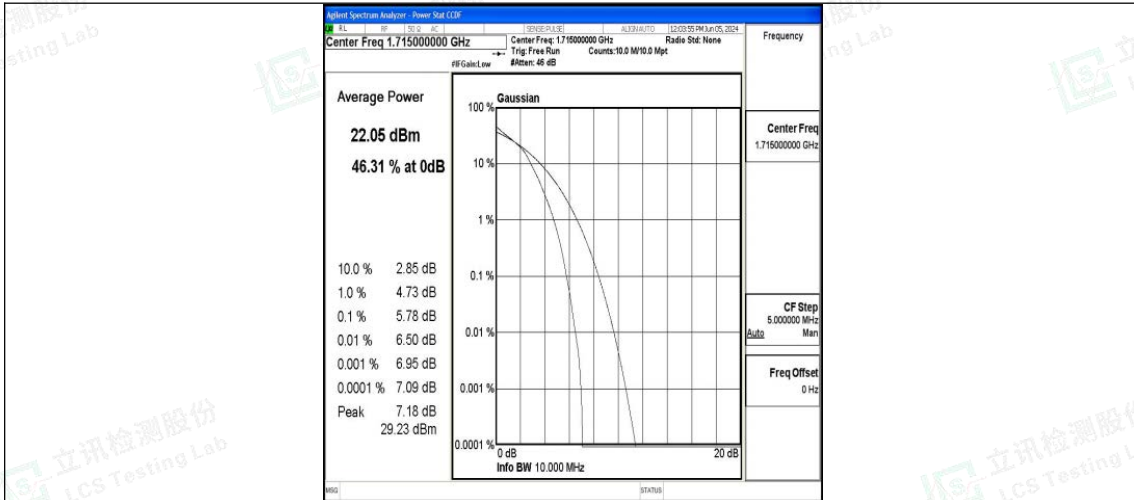


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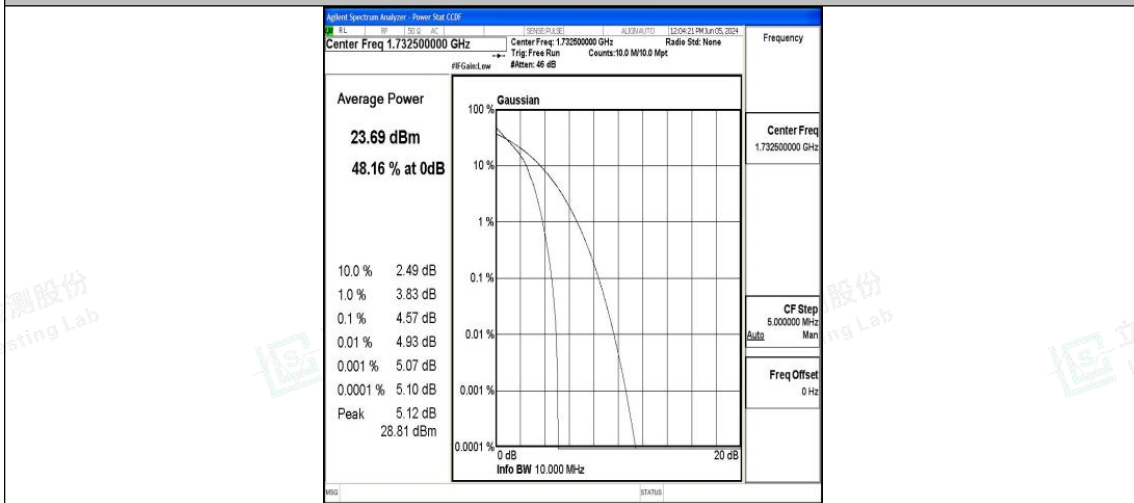


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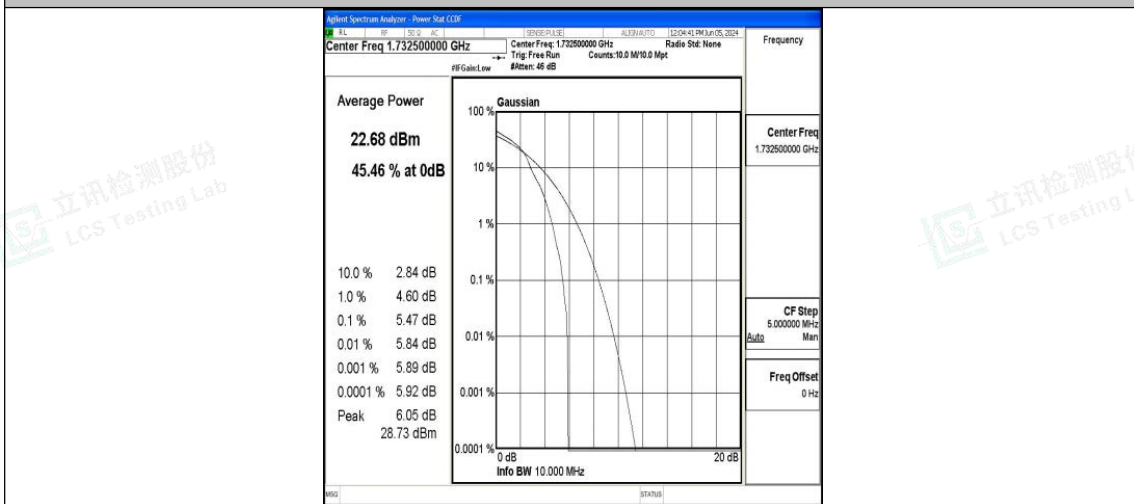




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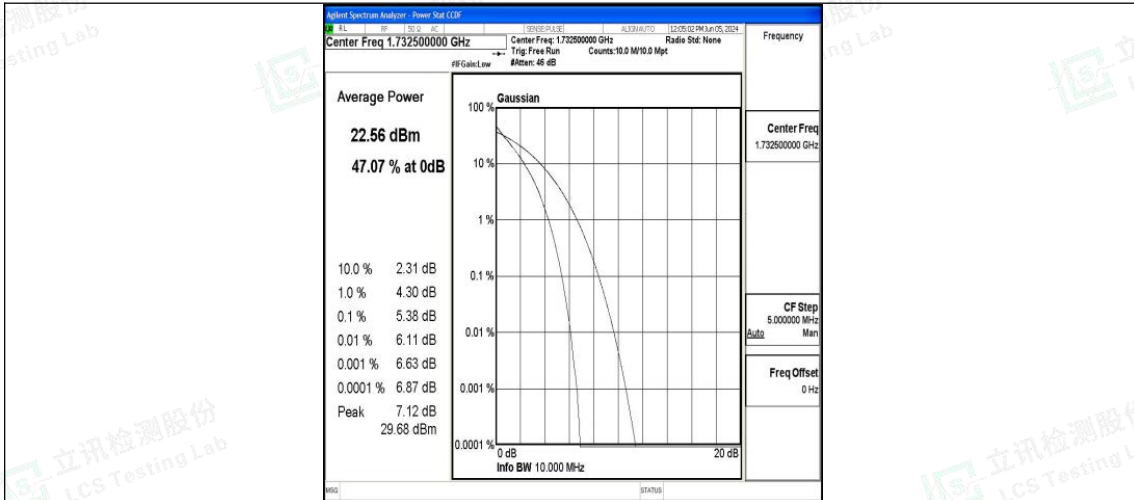


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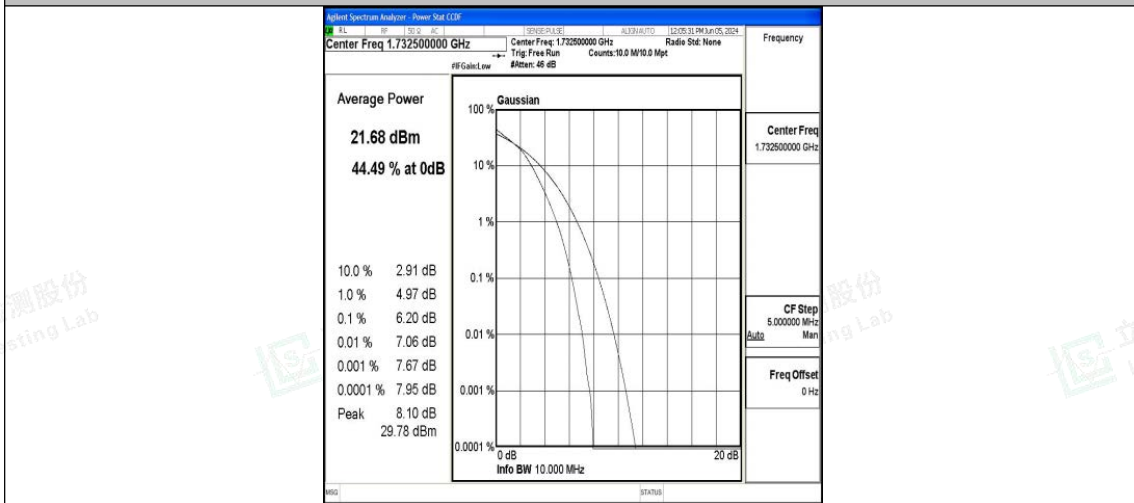


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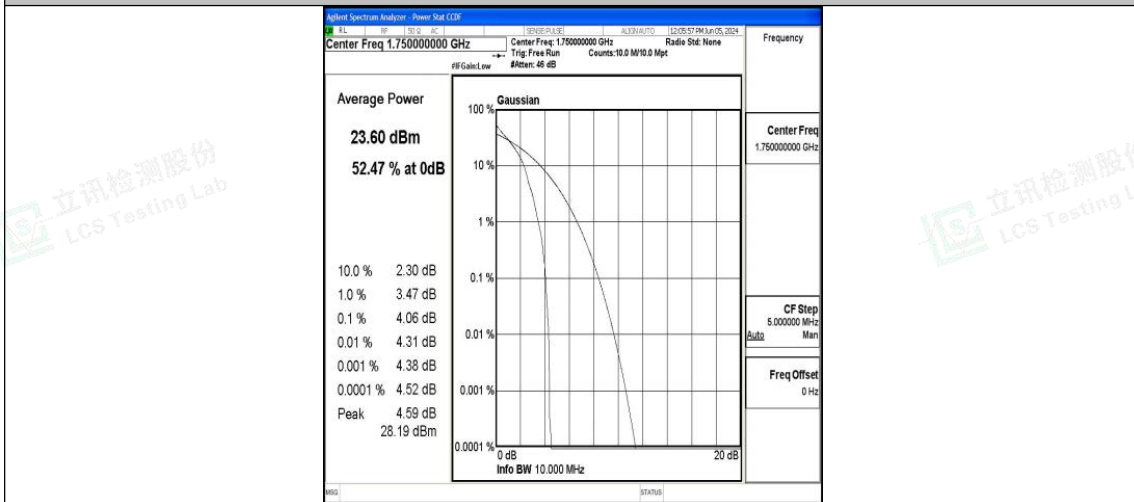




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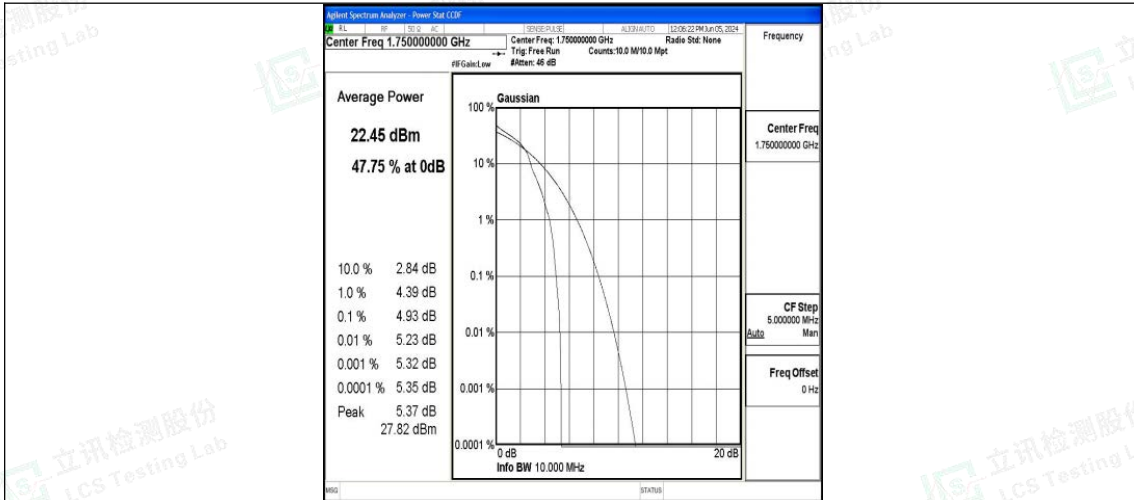


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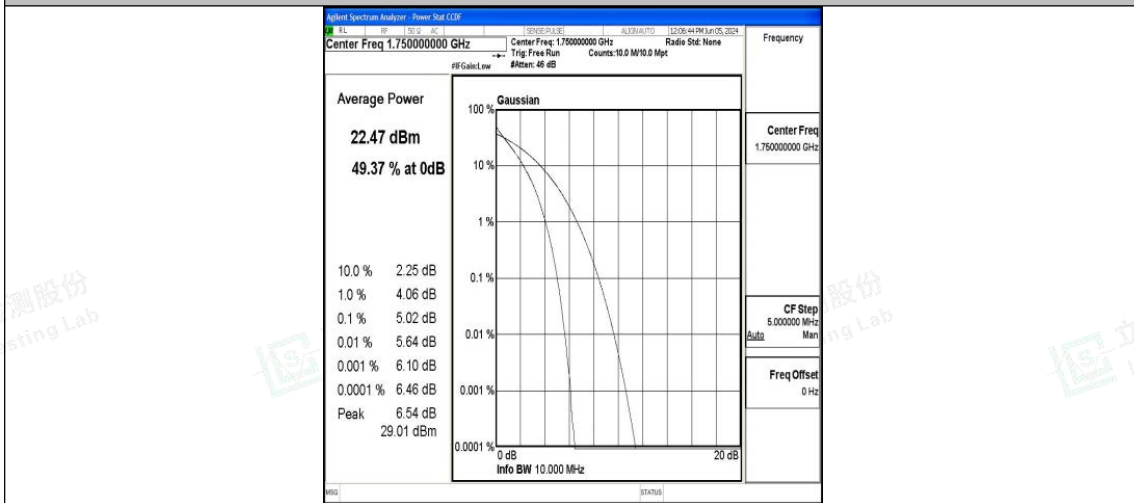


Band4-10MHz-QPSK-20350-1RB#0-PASS

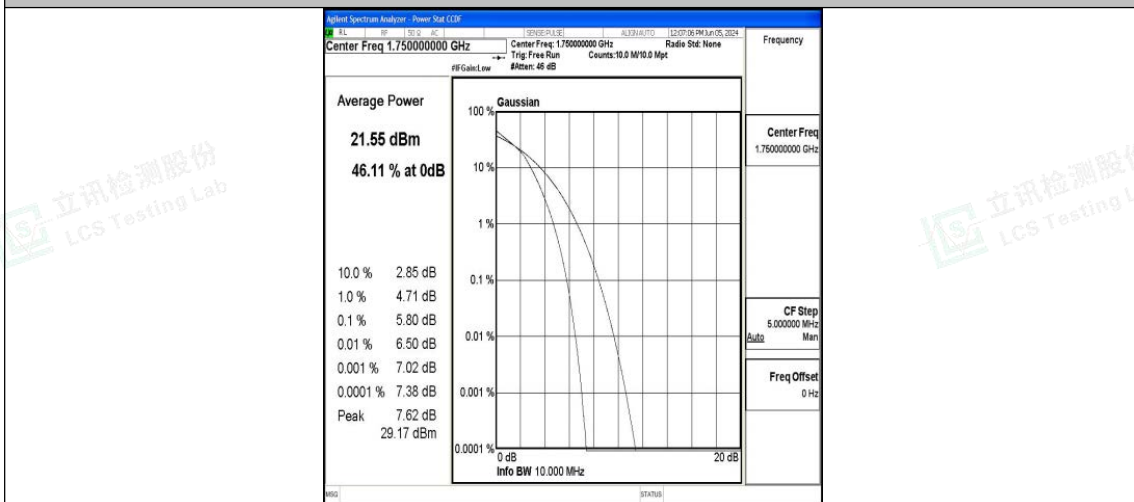




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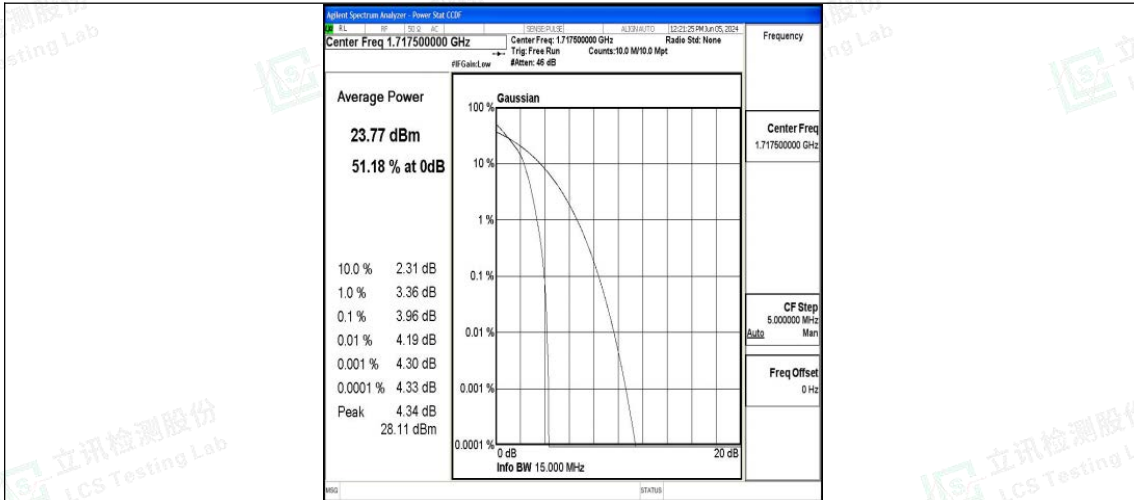


Band4-10MHz-QPSK-20350-50RB#0-PASS

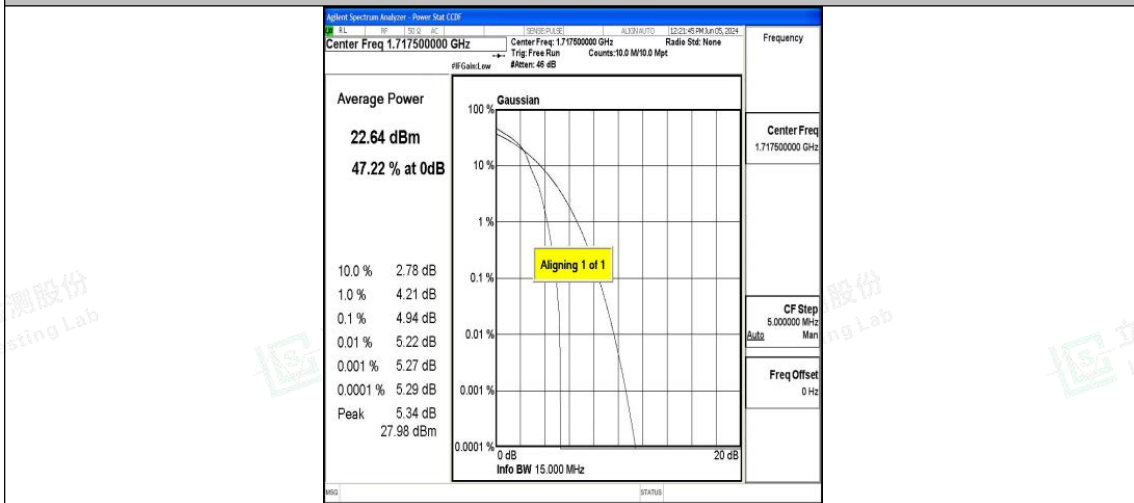


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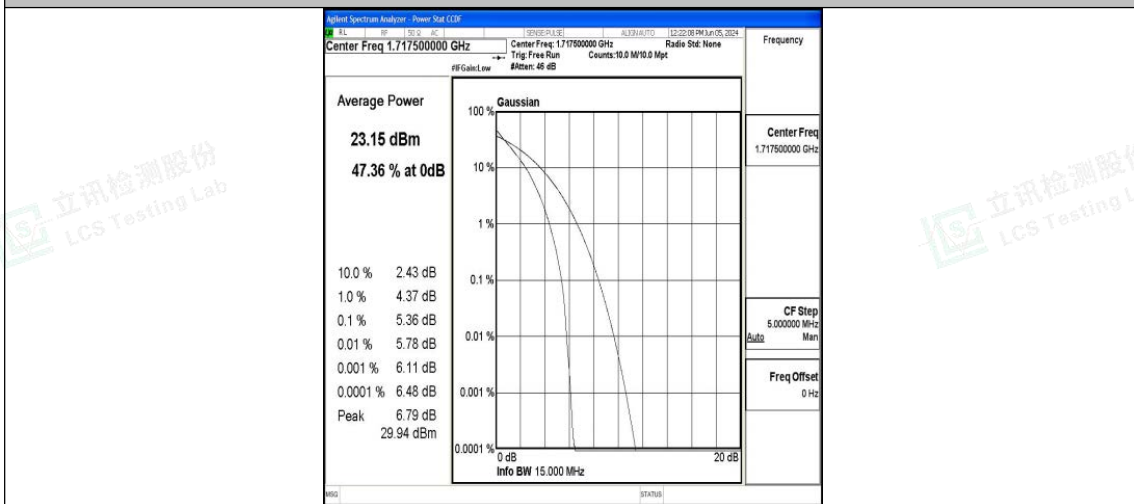




Band4-15MHz-QPSK-20025-1RB#0-PASS

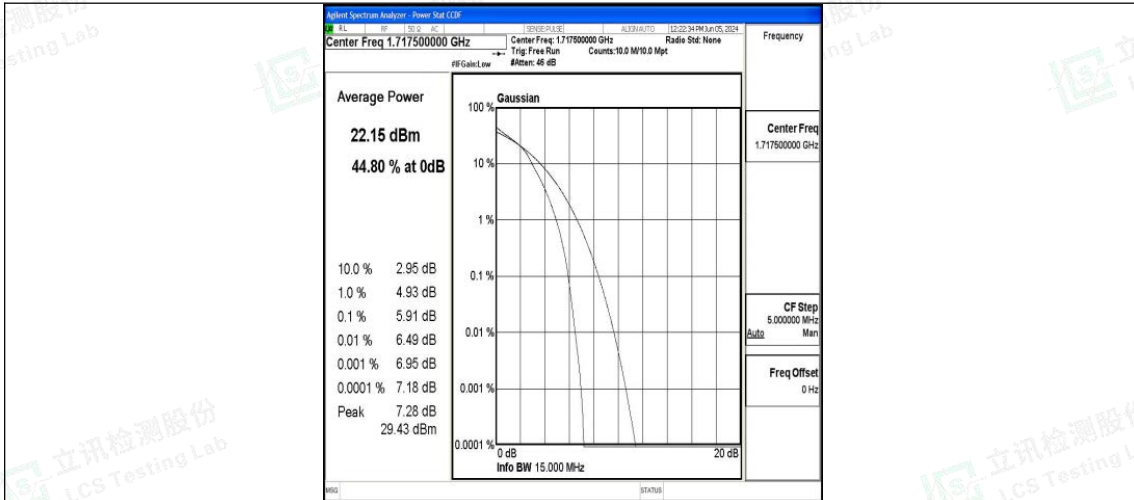


Band4-15MHz-16QAM-20025-1RB#0-PASS

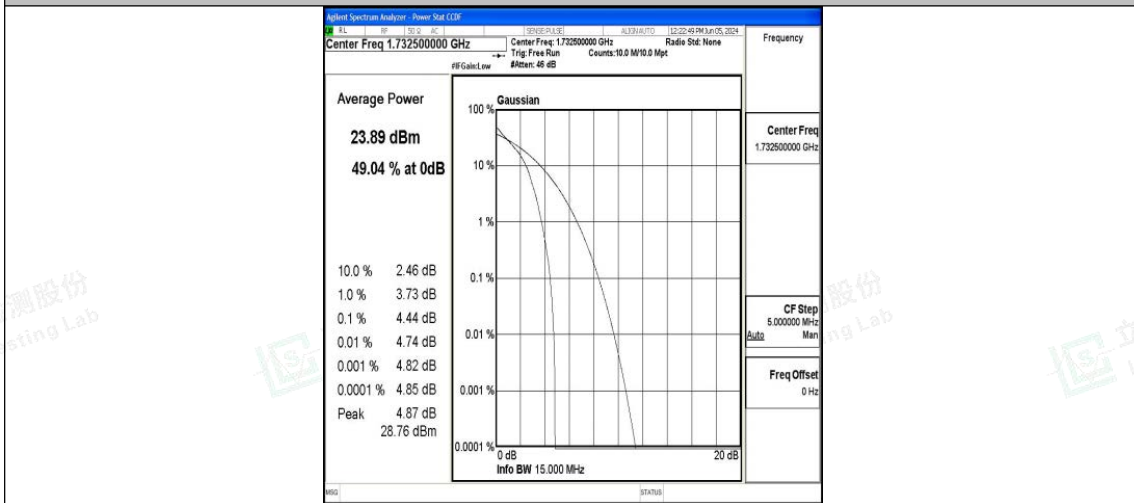


Band4-15MHz-QPSK-20025-75RB#0-PASS

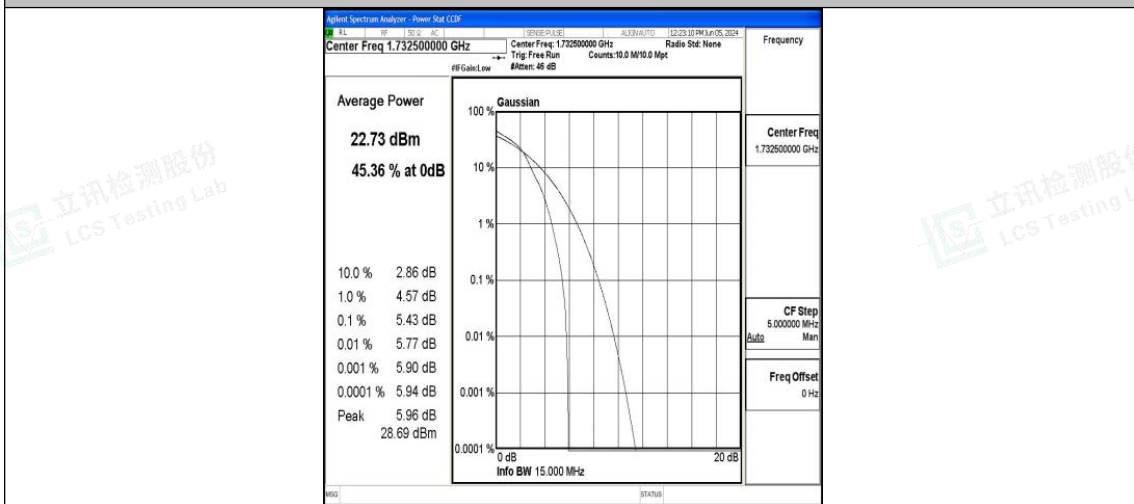




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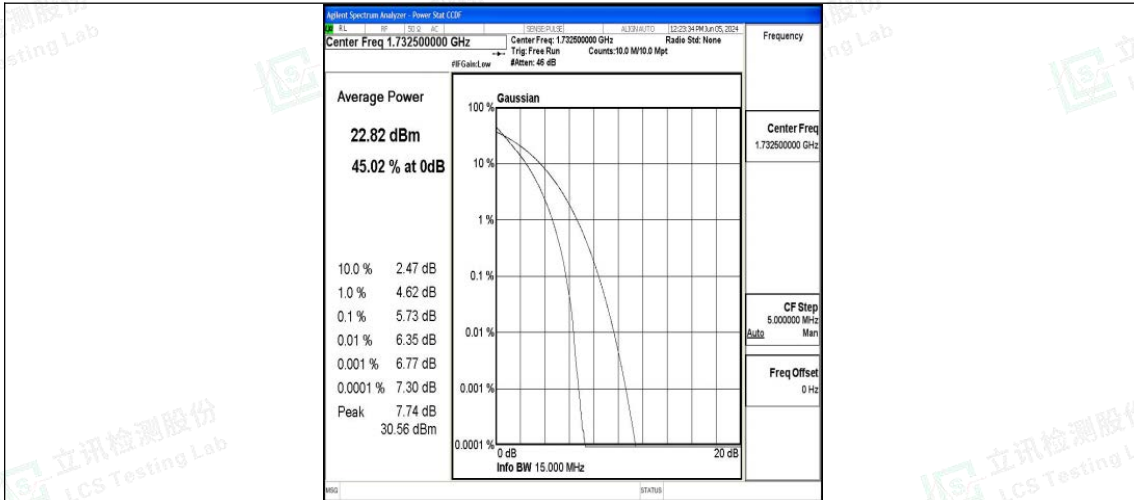


Band4-15MHz-QPSK-20175-1RB#0-PASS

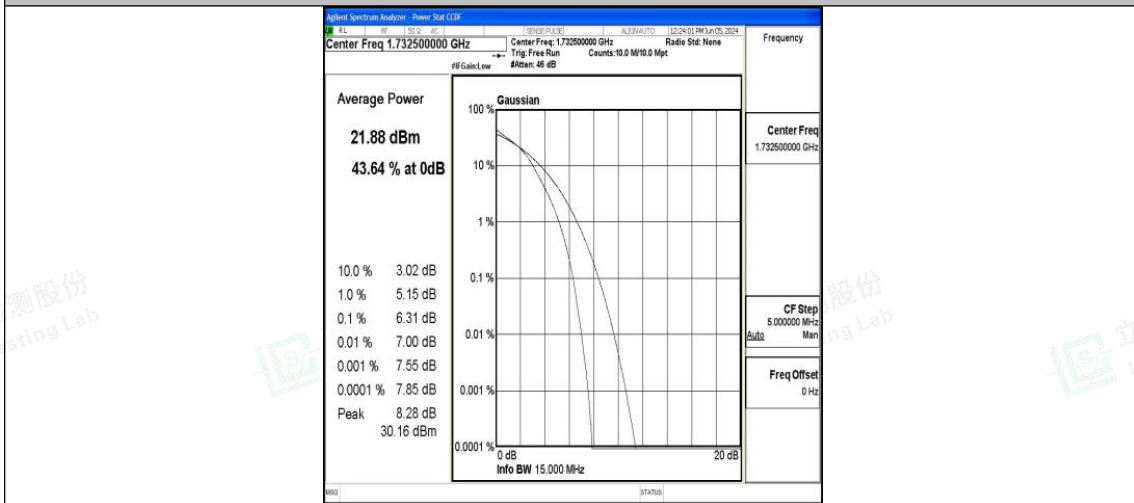


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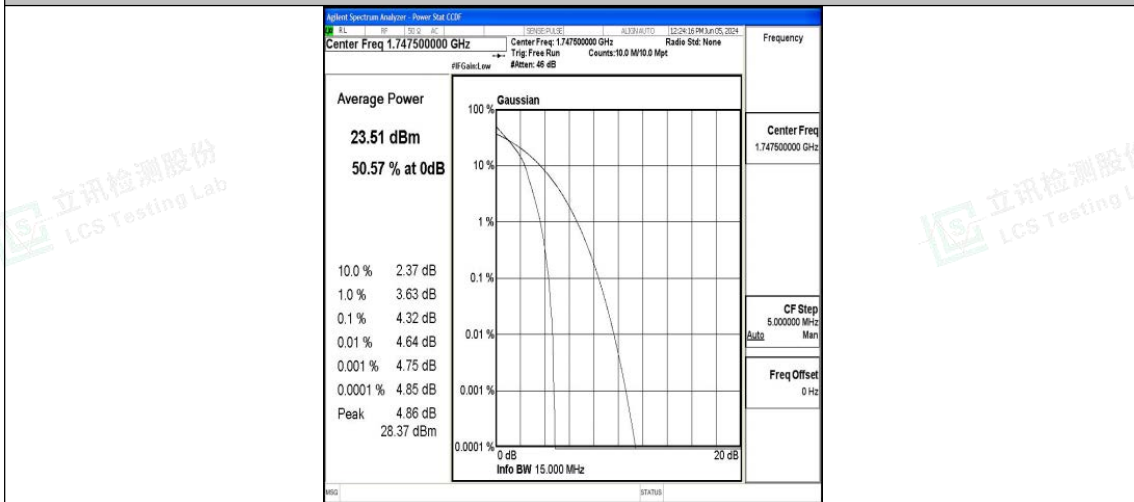




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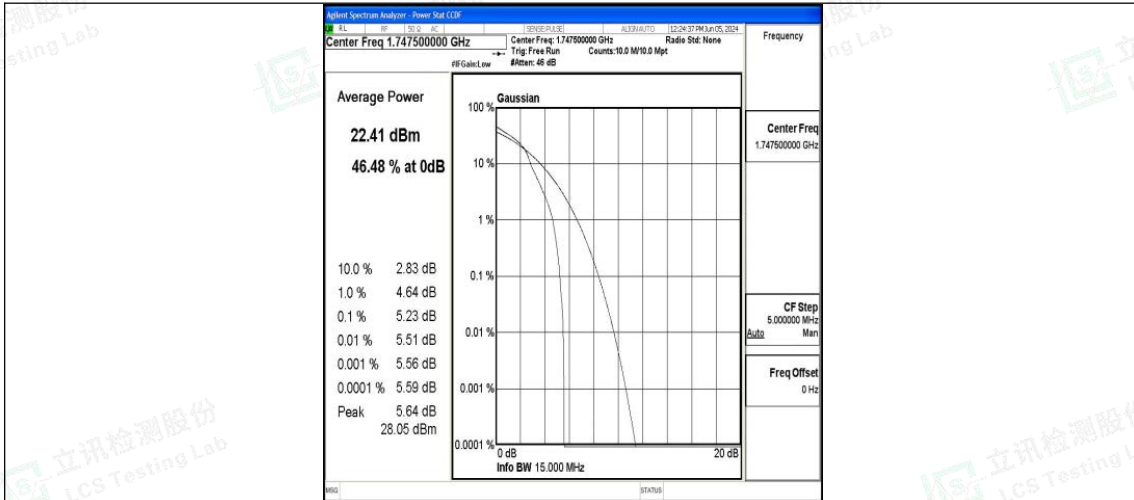


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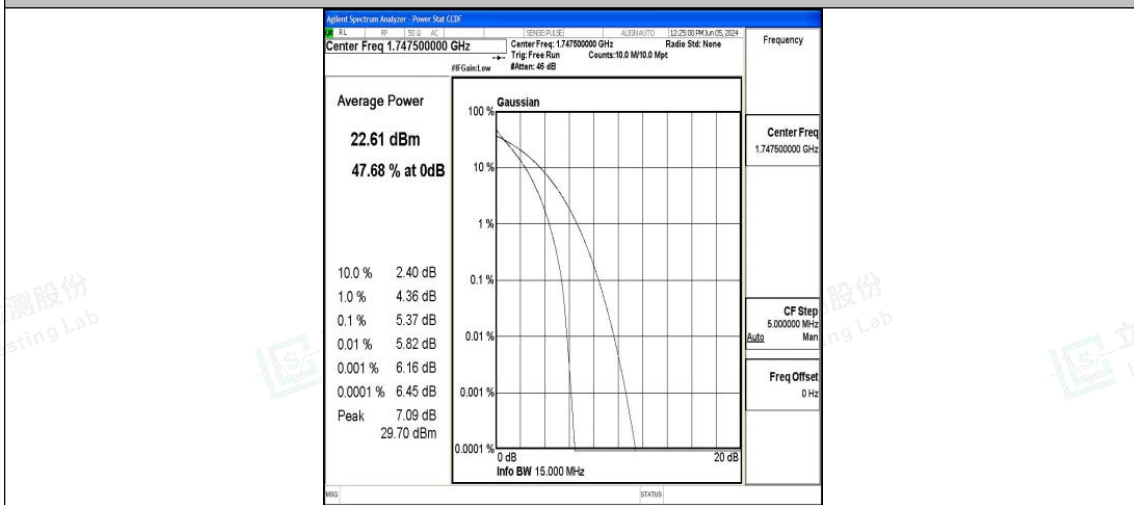


Band4-15MHz-QPSK-20325-1RB#0-PASS

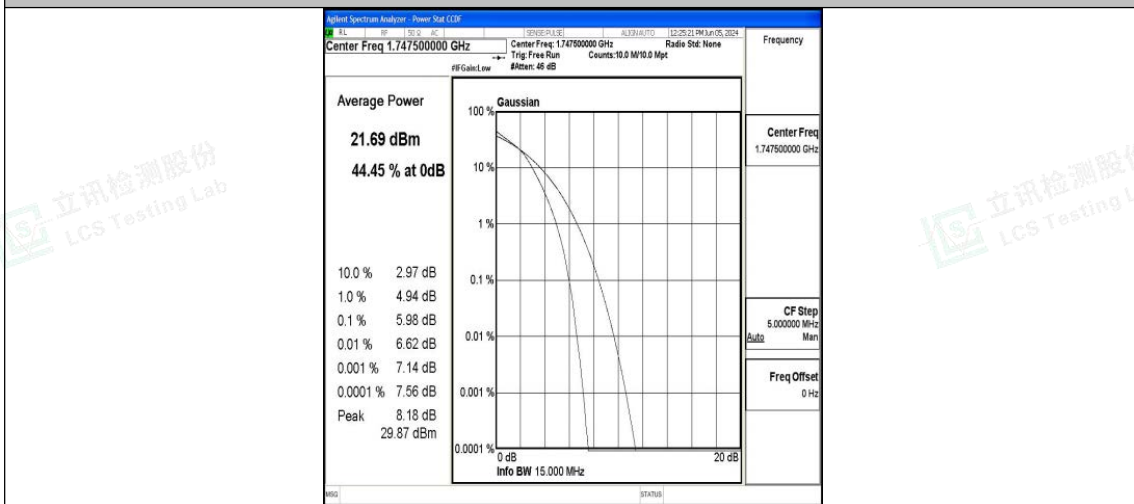




Band4-15MHz-16QAM-20325-1RB#0-PASS

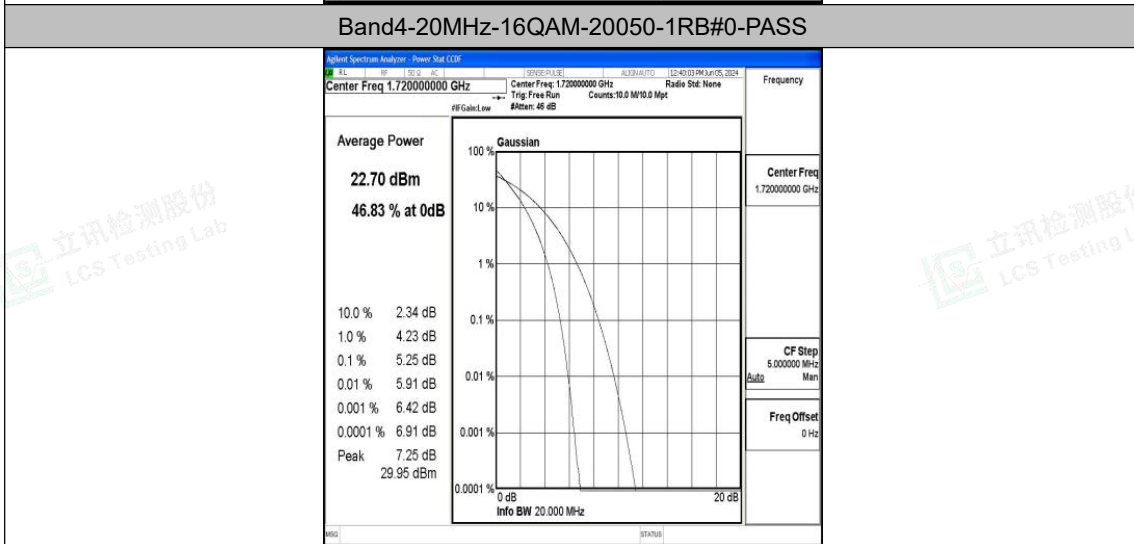
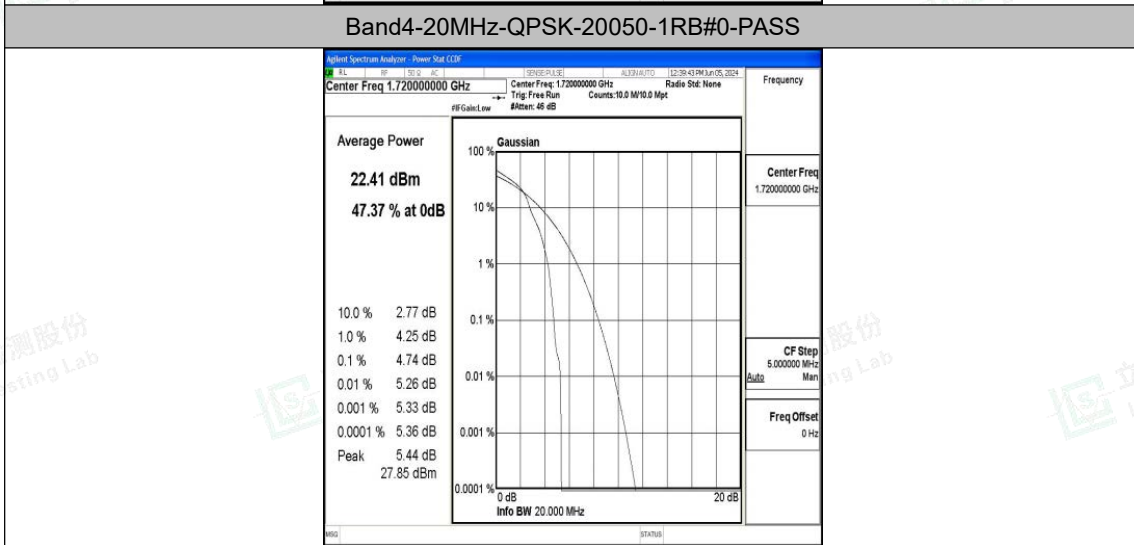
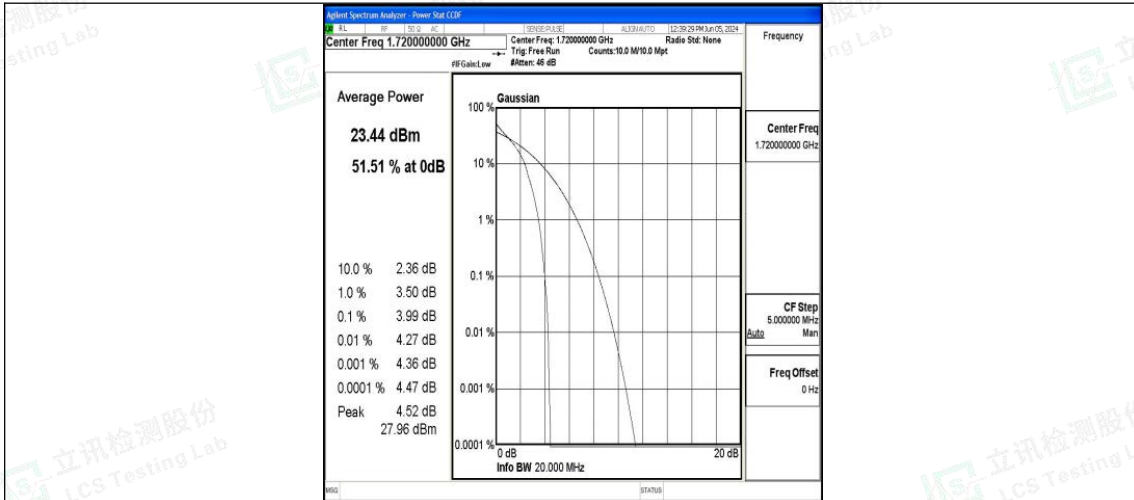


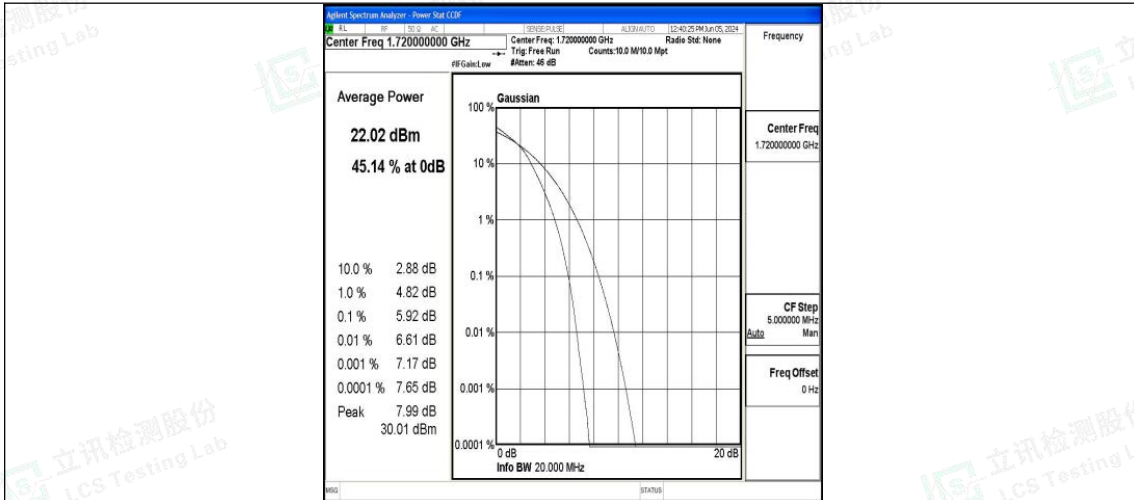
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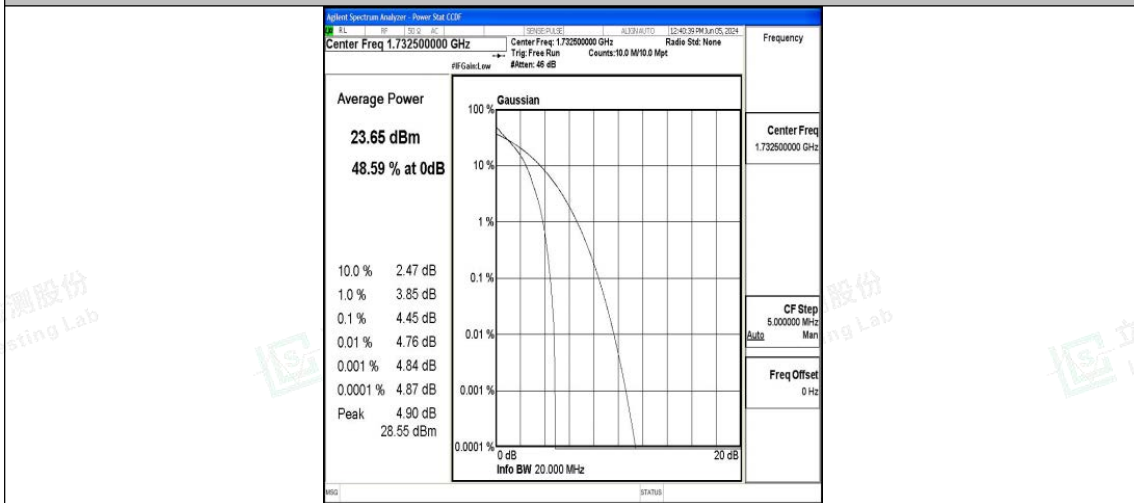
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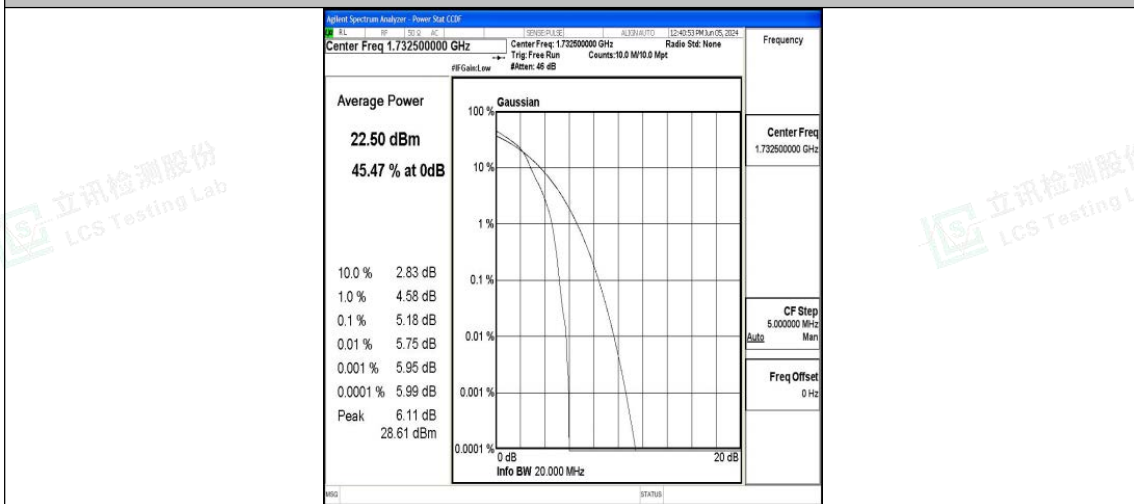




Band4-20MHz-16QAM-20050-100RB#0-PASS

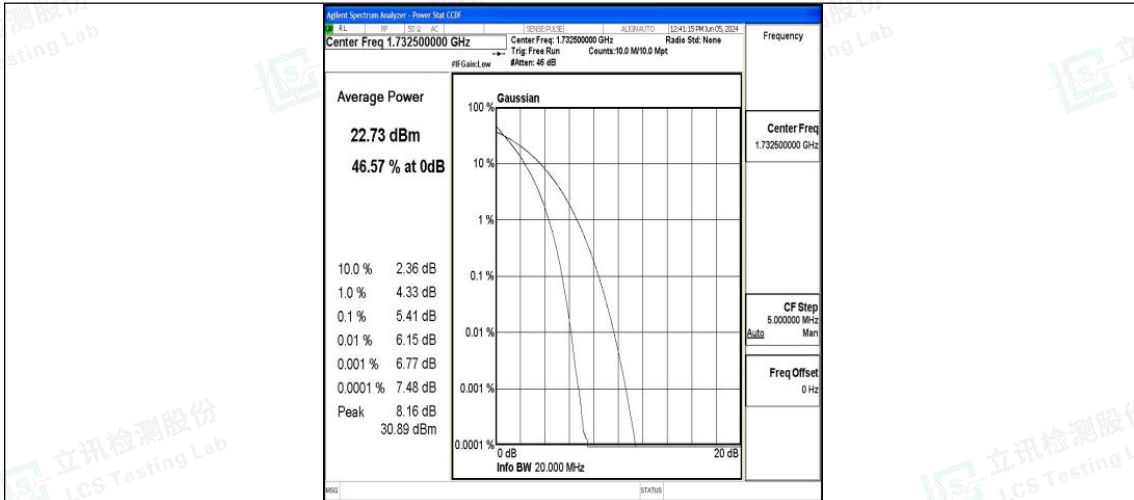


Band4-20MHz-QPSK-20175-1RB#0-PASS

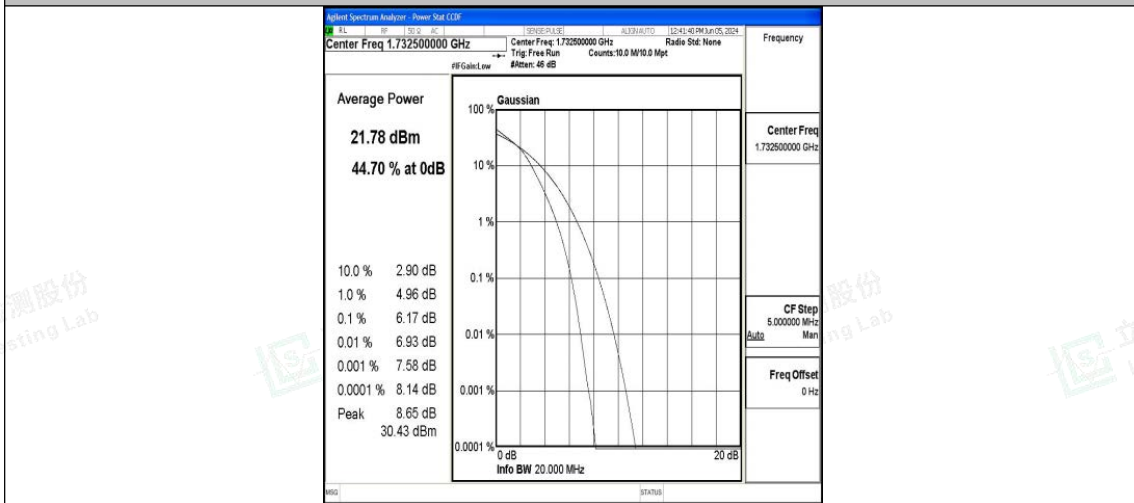


Band4-20MHz-16QAM-20175-1RB#0-PASS

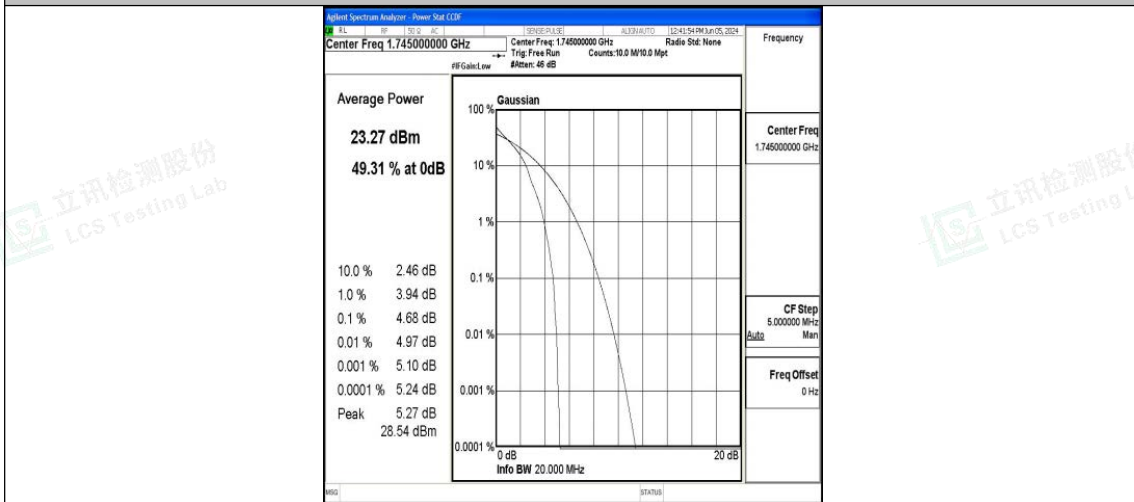




Band4-20MHz-QPSK-20175-100RB#0-PASS

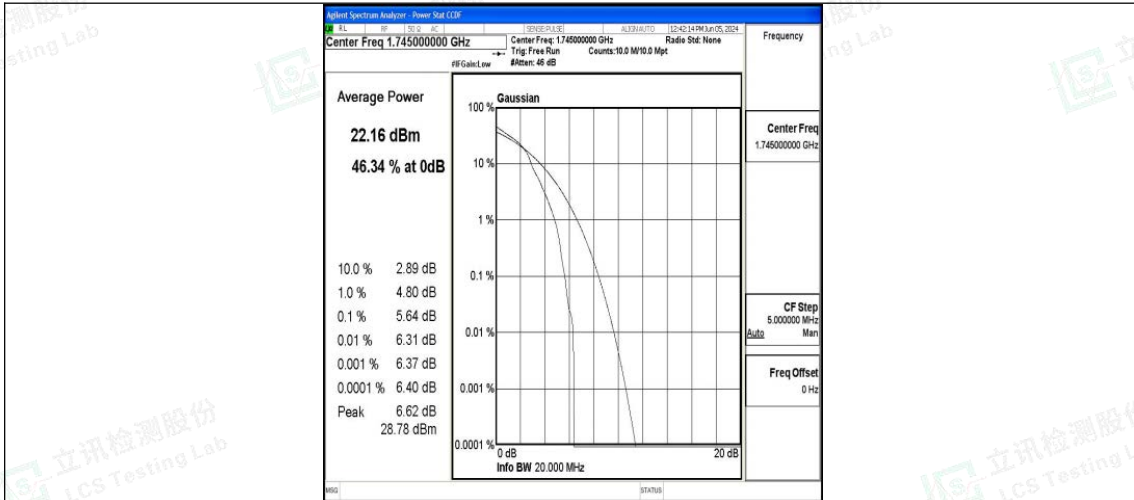


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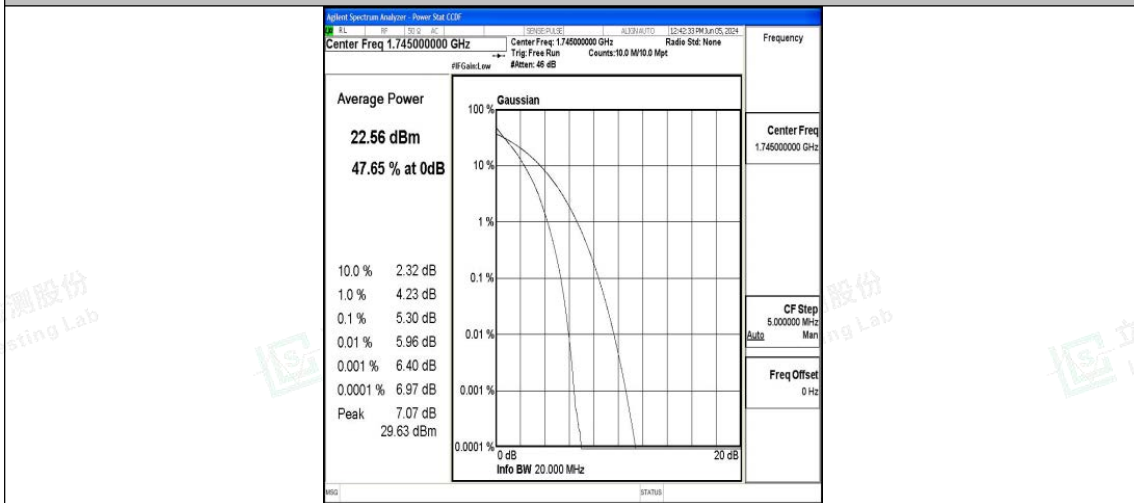


Band4-20MHz-QPSK-20300-1RB#0-PASS

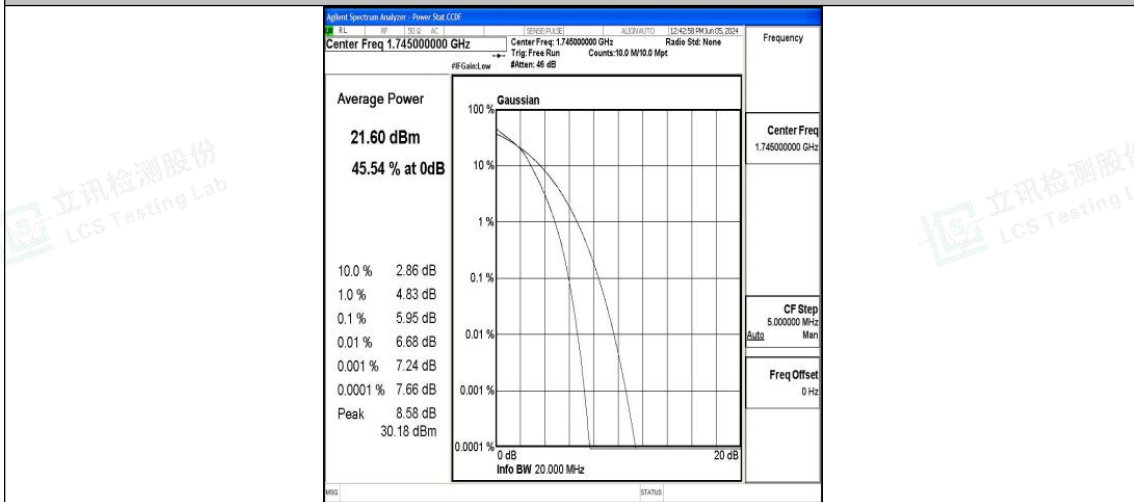




Band4-20MHz-16QAM-20300-1RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20300-100RB#0-PASS





G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0922	1.289	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0969	1.297	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0933	1.294	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0920	1.294	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1013	1.321	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0917	1.310	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6832	2.900	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6789	2.904	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6794	2.921	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6831	2.888	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6911	2.975	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6816	2.885	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5225	5.212	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5200	5.178	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5321	5.439	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5332	5.527	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5269	5.426	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5259	5.251	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0033	10.08	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9907	10.06	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0268	10.67	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0199	10.37	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0384	11.10	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0133	12.34	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.509	15.15	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.475	14.98	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.550	16.07	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.542	16.24	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.539	17.26	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.529	16.55	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.956	19.63	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.919	19.68	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.013	20.09	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



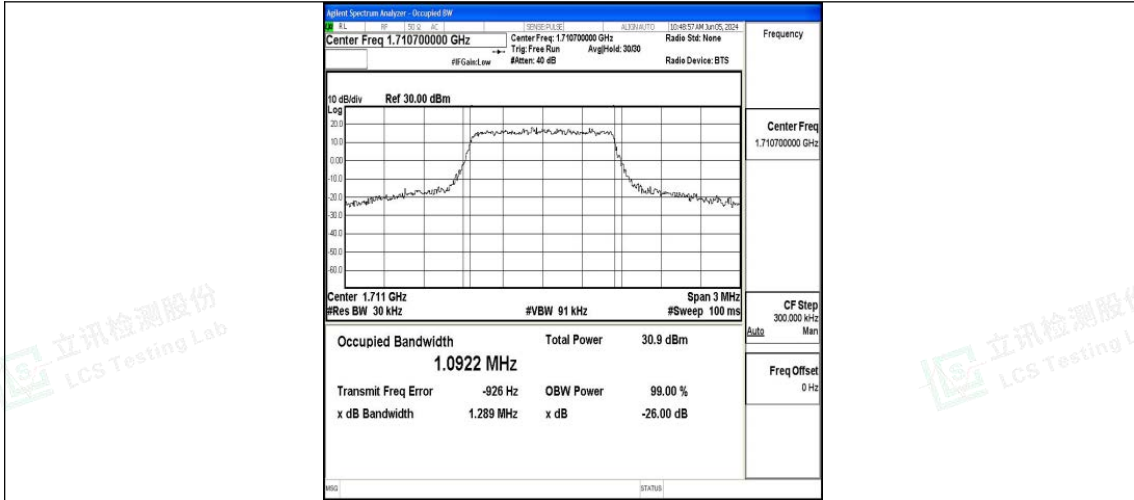
Band4	20MHz	16QAM	20175	100RB#0	18.021	21.17	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.085	21.12	PASS
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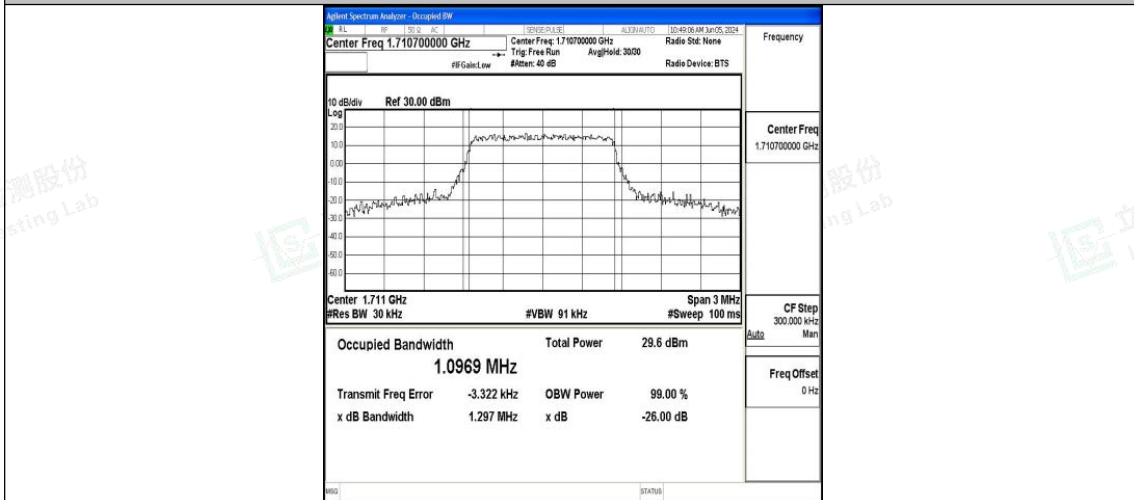
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



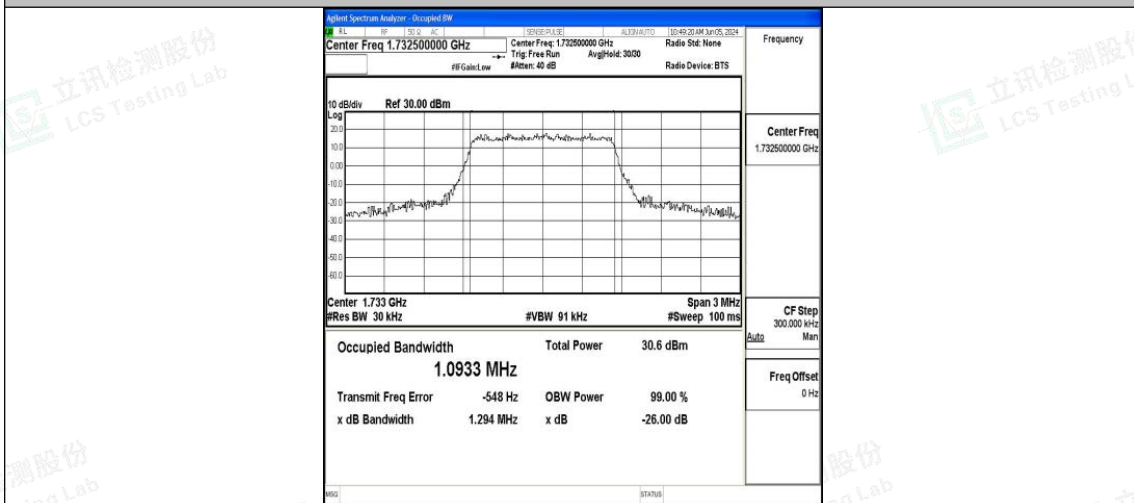
Test Graphs



Band4-1.4MHz-QPSK-19957-6RB#0-PASS

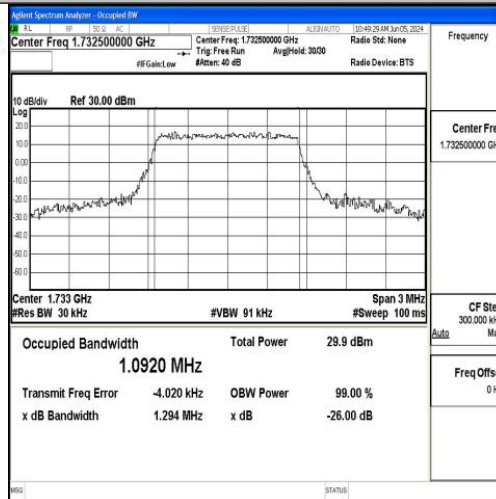


Band4-1.4MHz-16QAM-19957-6RB#0-PASS

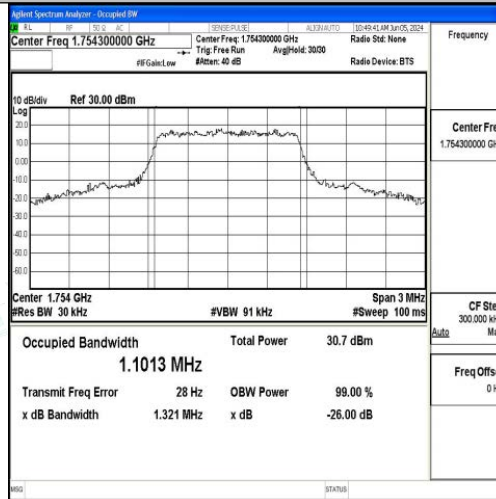




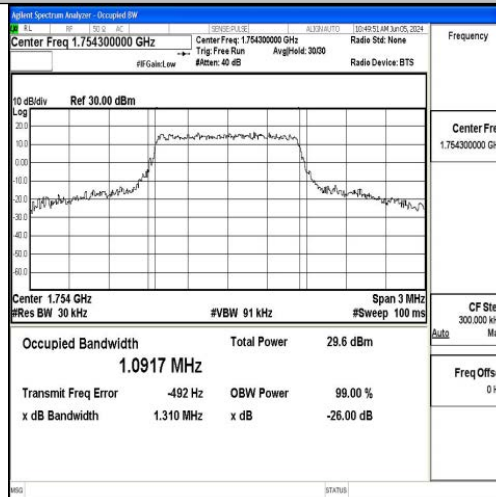
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



Band4-1.4MHz-16QAM-20175-6RB#0-PASS

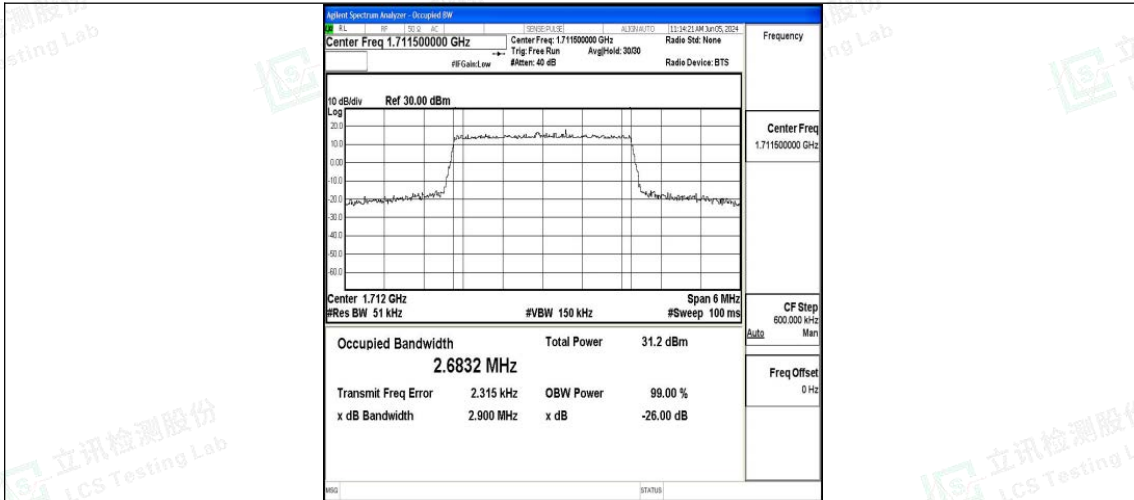


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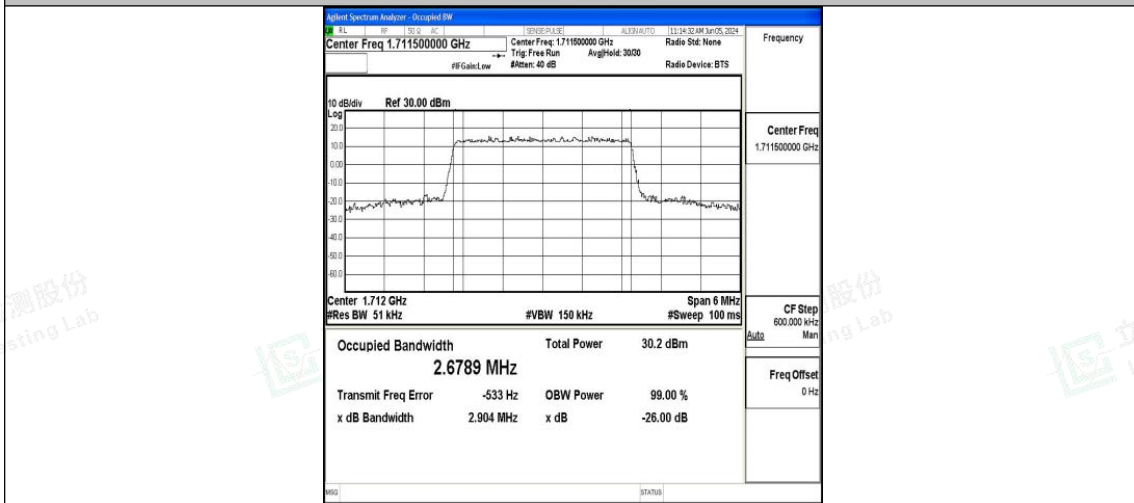


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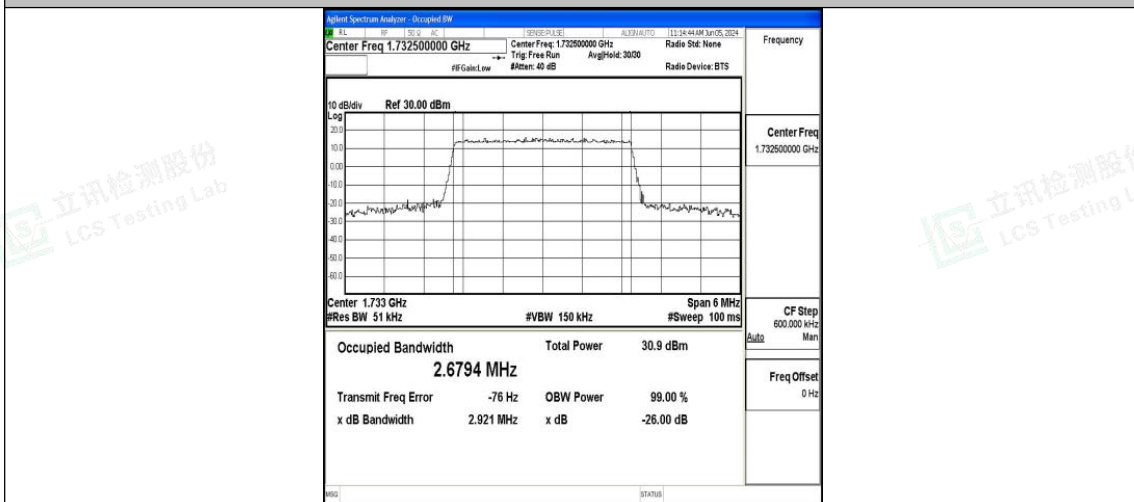




Band4-3MHz-QPSK-19965-15RB#0-PASS

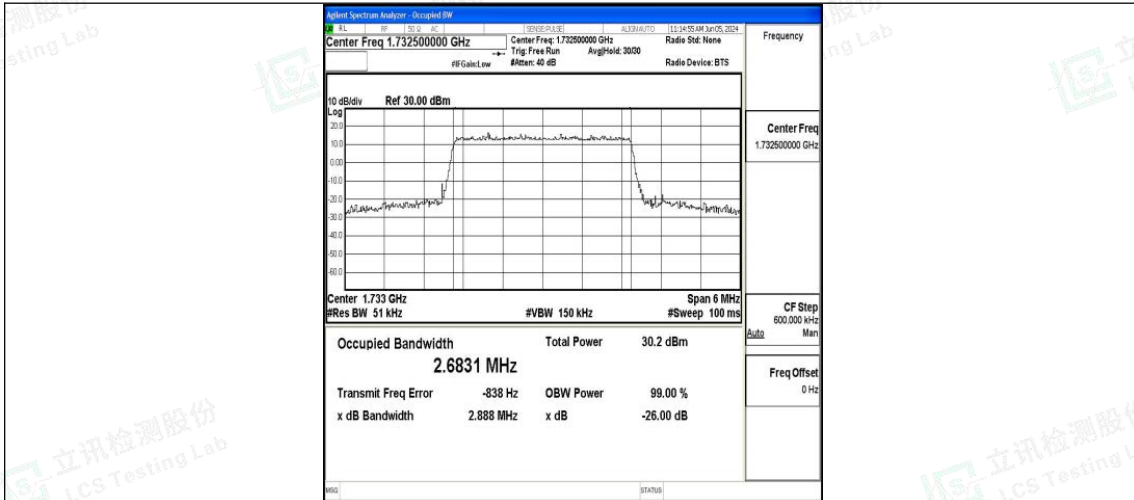


Band4-3MHz-16QAM-19965-15RB#0-PASS

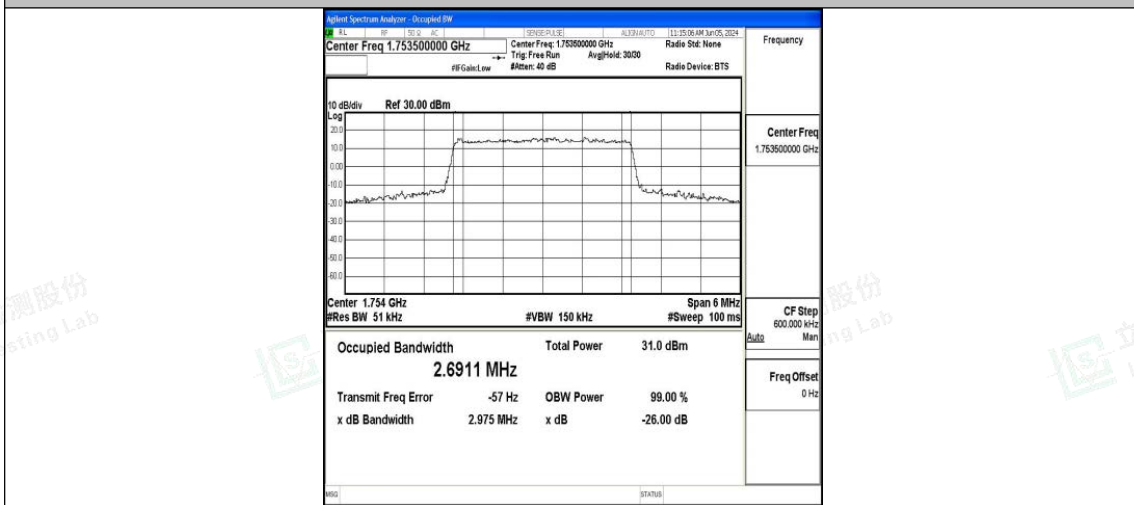


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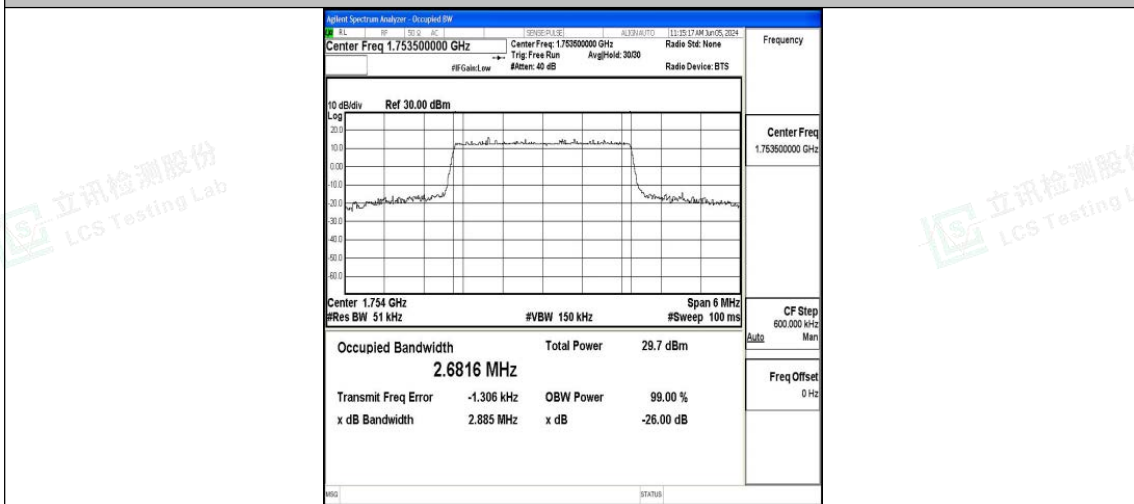




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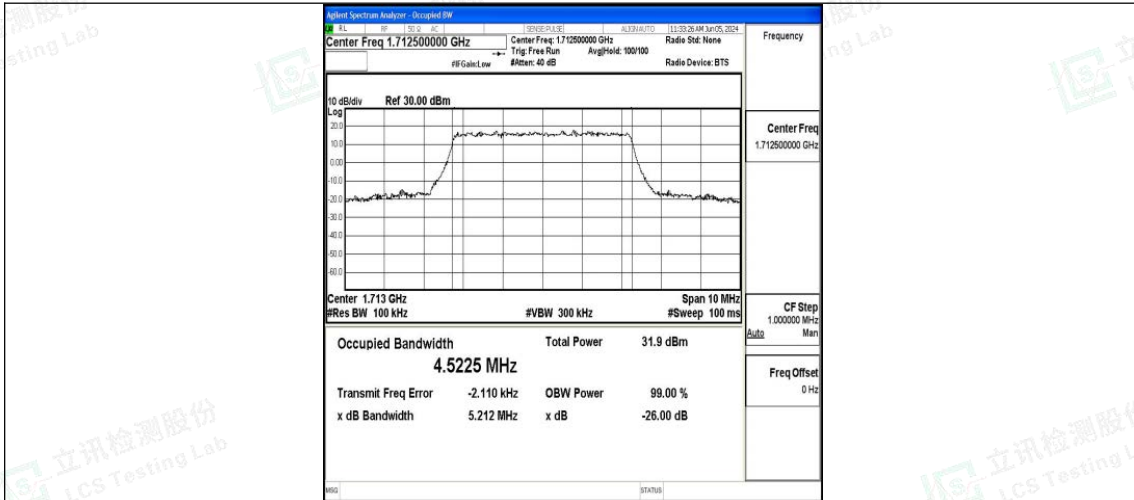


Band4-3MHz-QPSK-20385-15RB#0-PASS

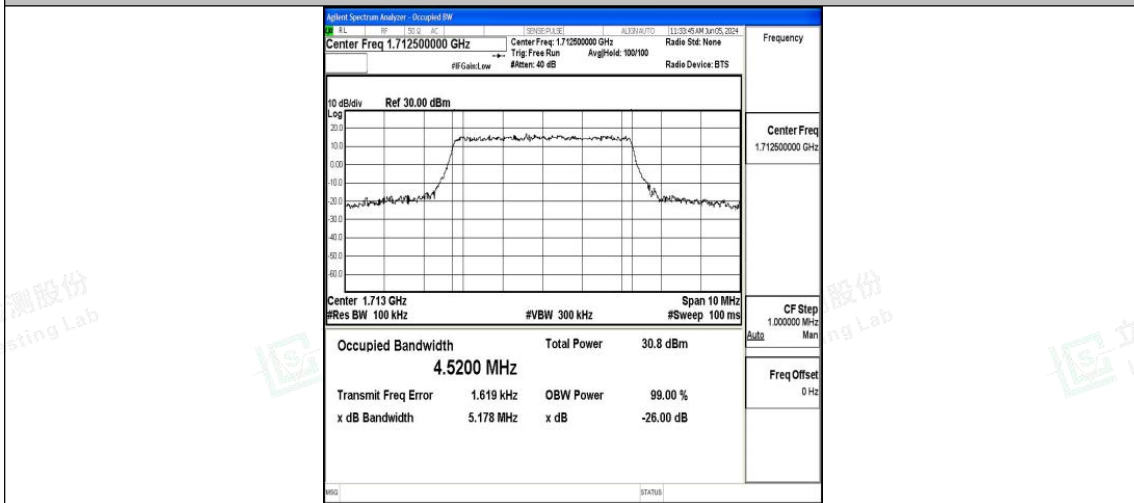


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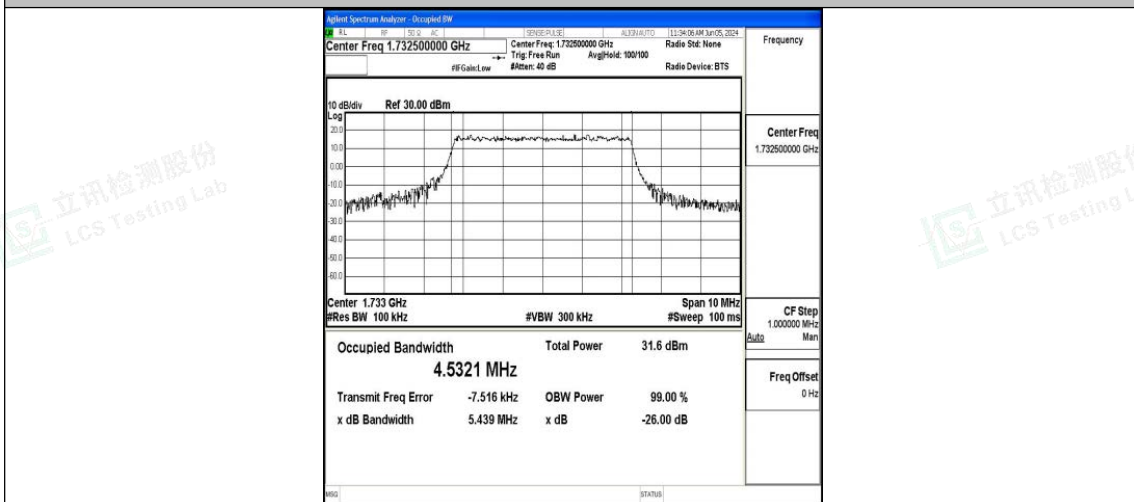




Band4-5MHz-QPSK-19975-25RB#0-PASS

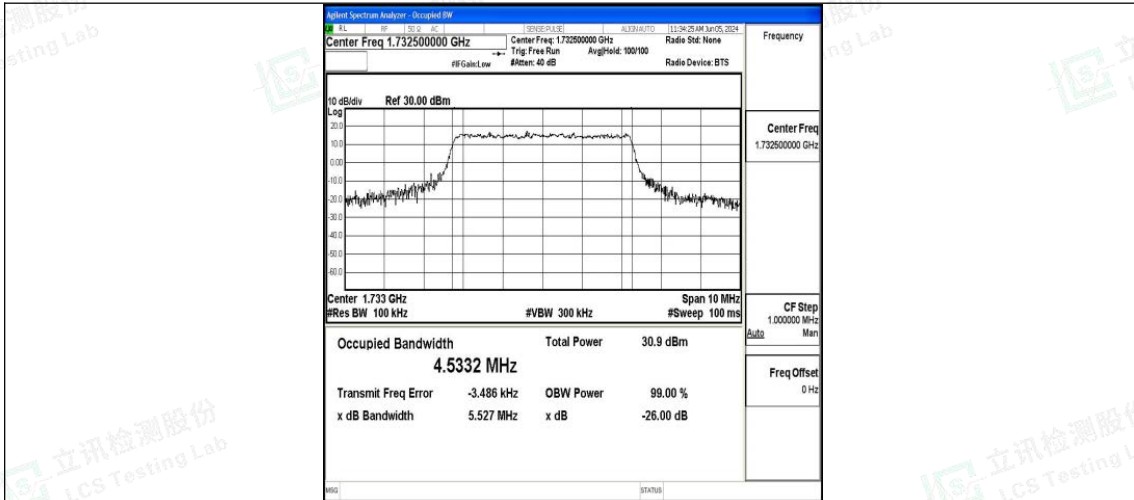


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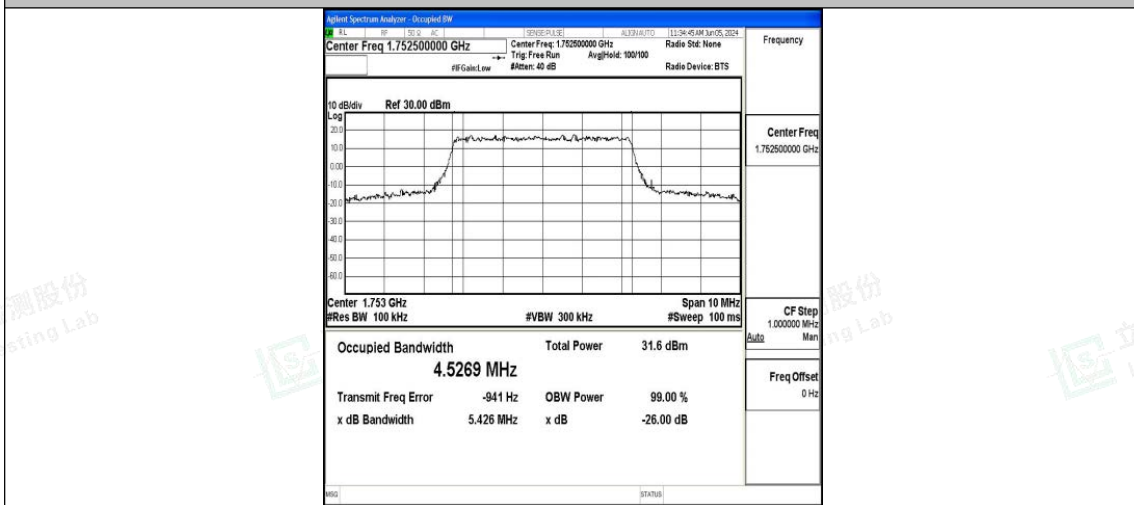


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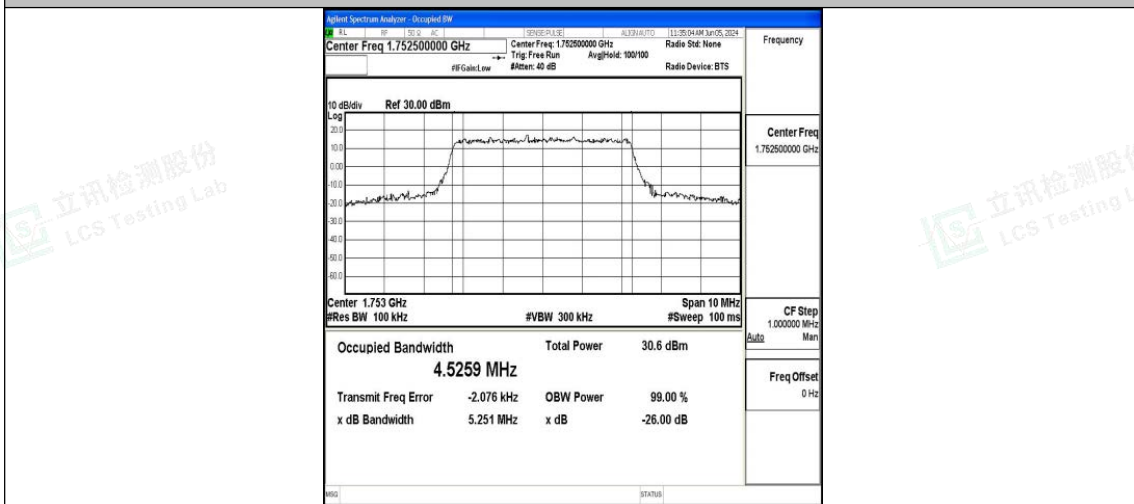




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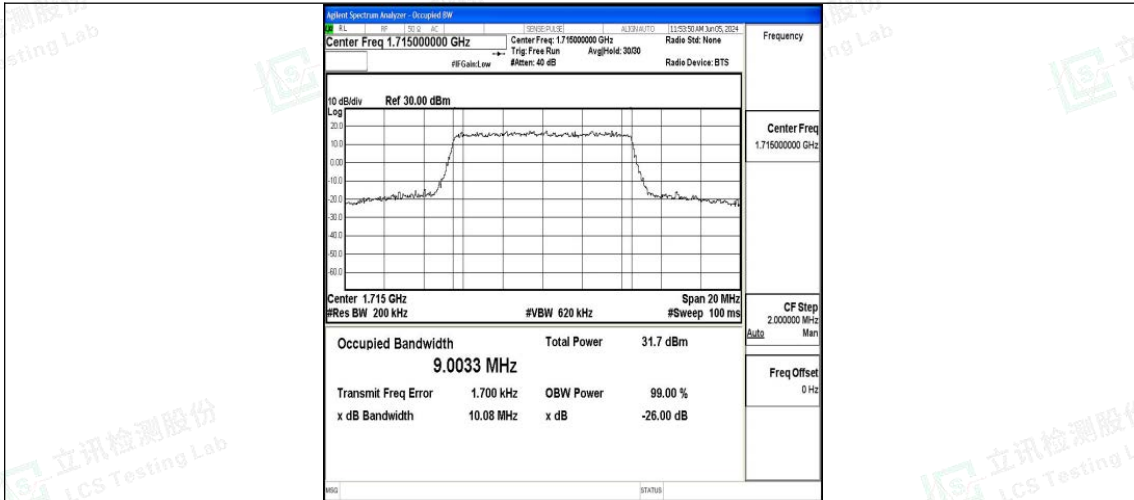


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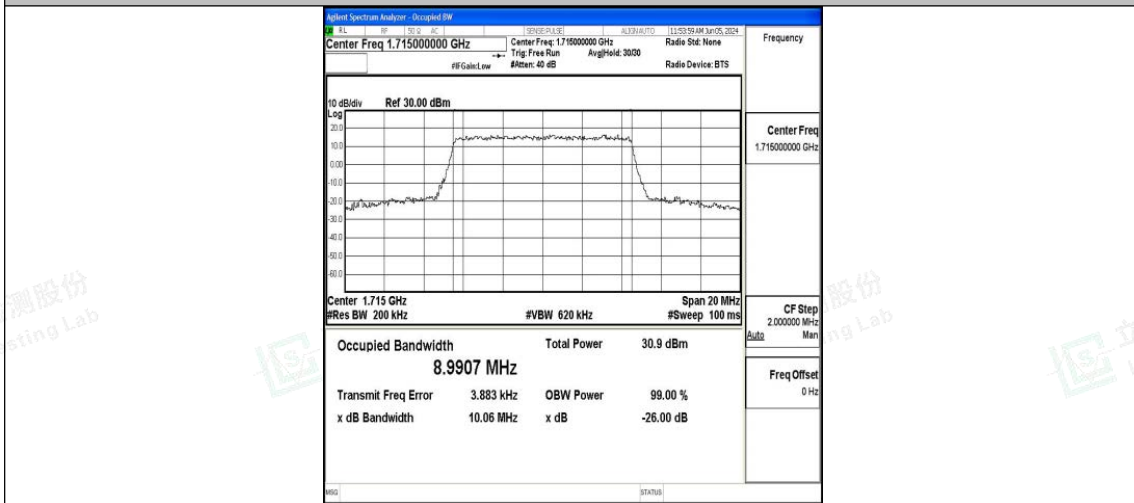


Band4-5MHz-16QAM-20375-25RB#0-PASS

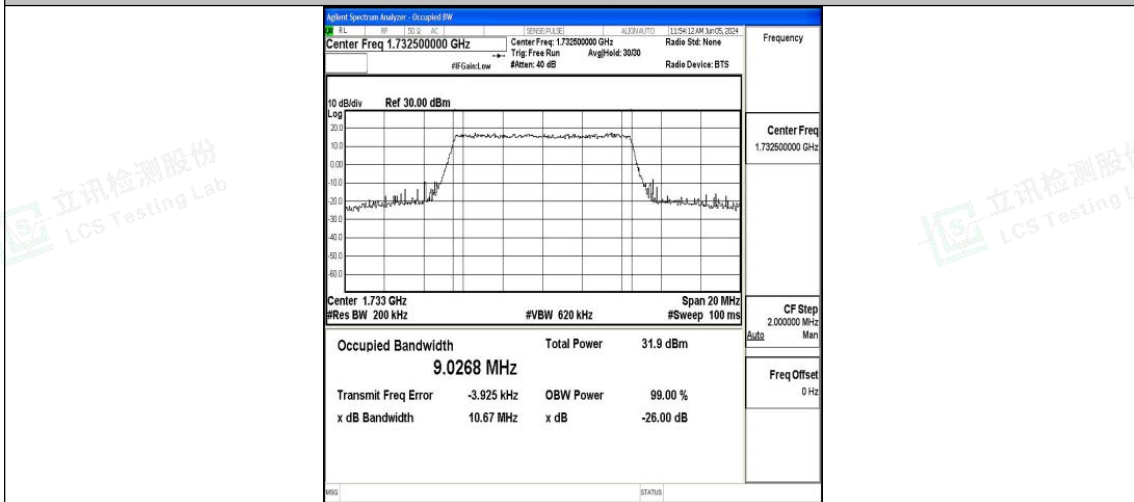




Band4-10MHz-QPSK-20000-50RB#0-PASS

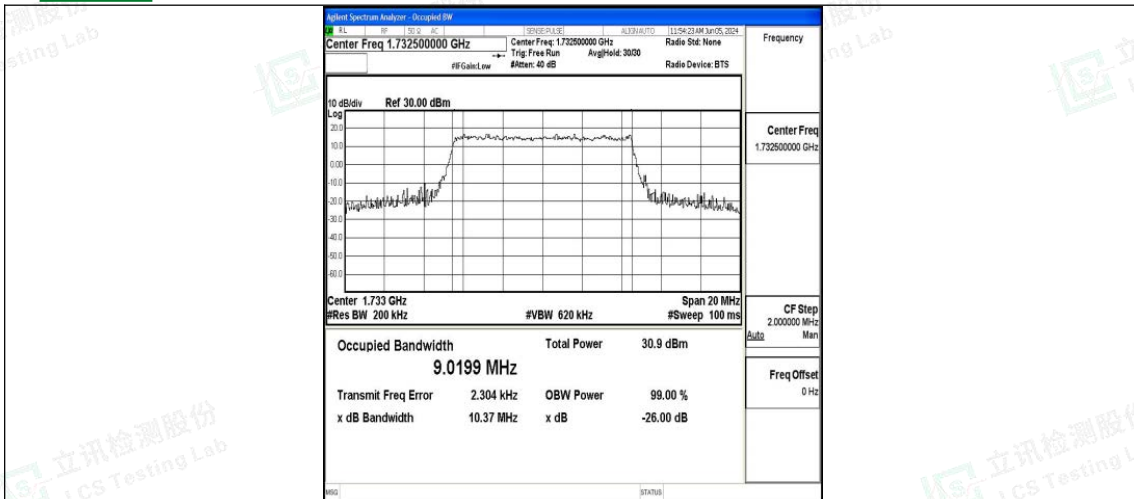


Band4-10MHz-16QAM-20000-50RB#0-PASS

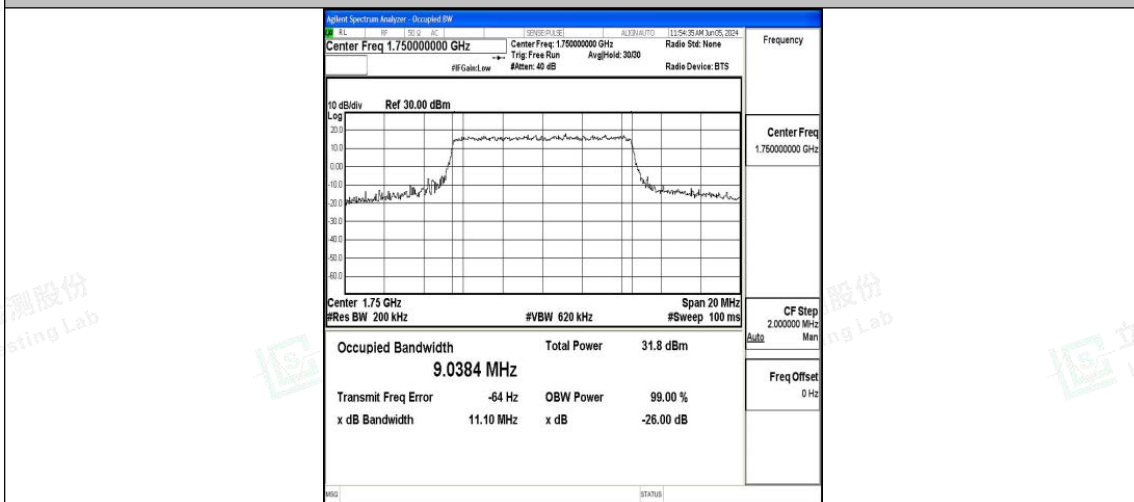


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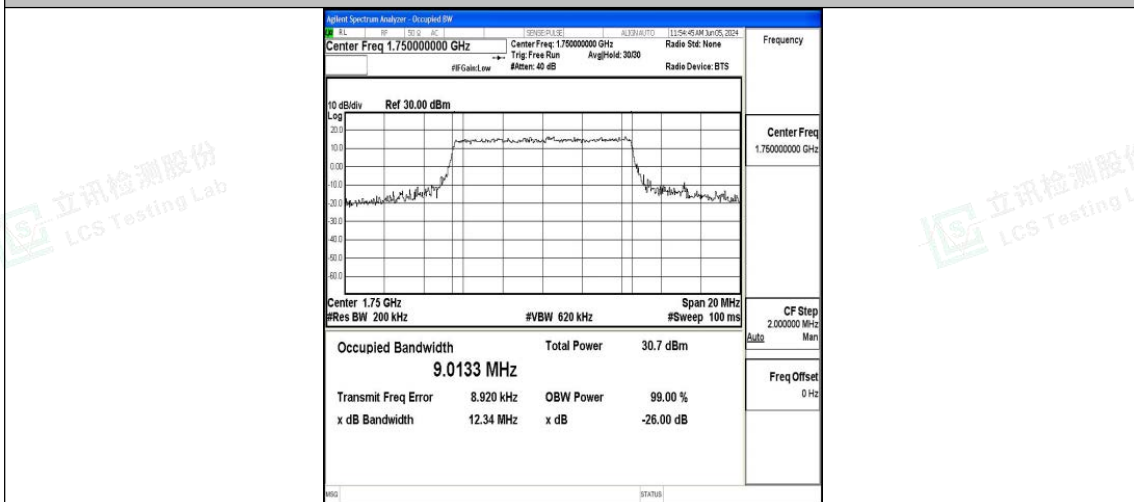




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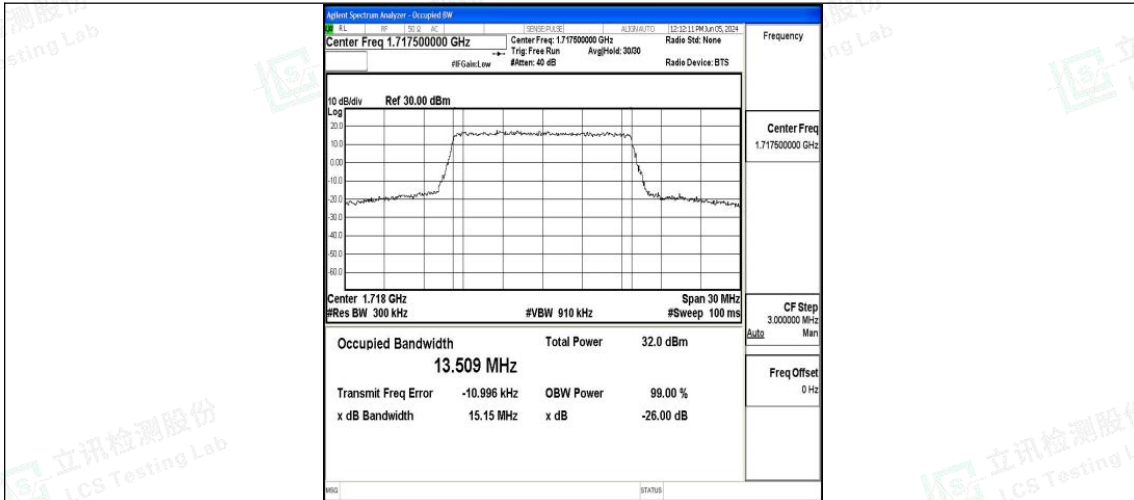


Band4-10MHz-QPSK-20350-50RB#0-PASS

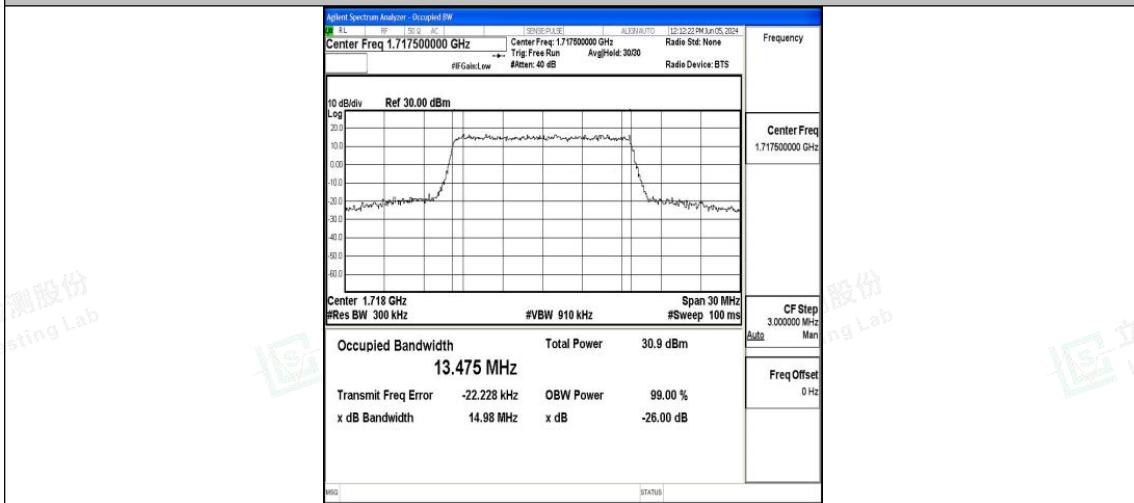


Band4-10MHz-16QAM-20350-50RB#0-PASS

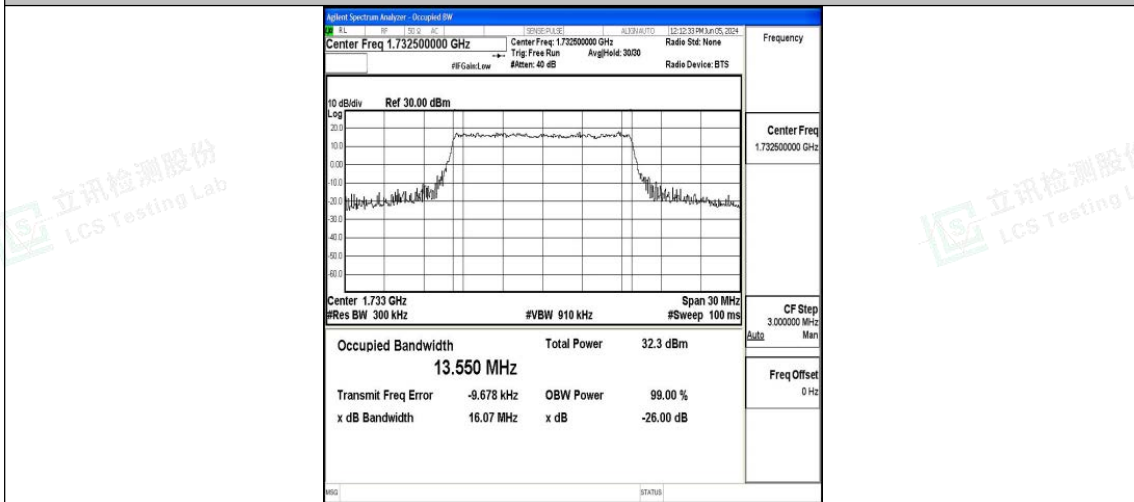




Band4-15MHz-QPSK-20025-75RB#0-PASS

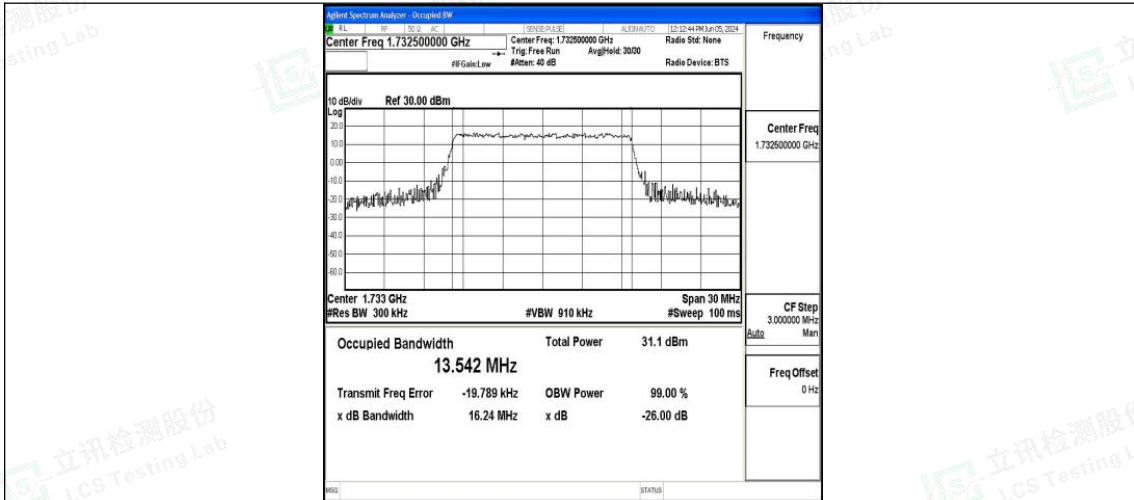


Band4-15MHz-16QAM-20025-75RB#0-PASS

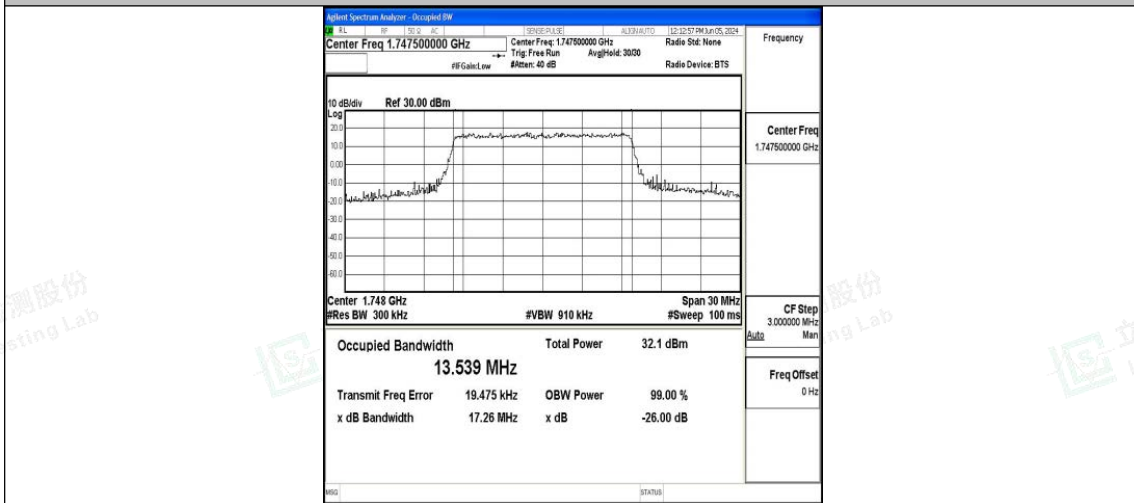


Band4-15MHz-QPSK-20175-75RB#0-PASS

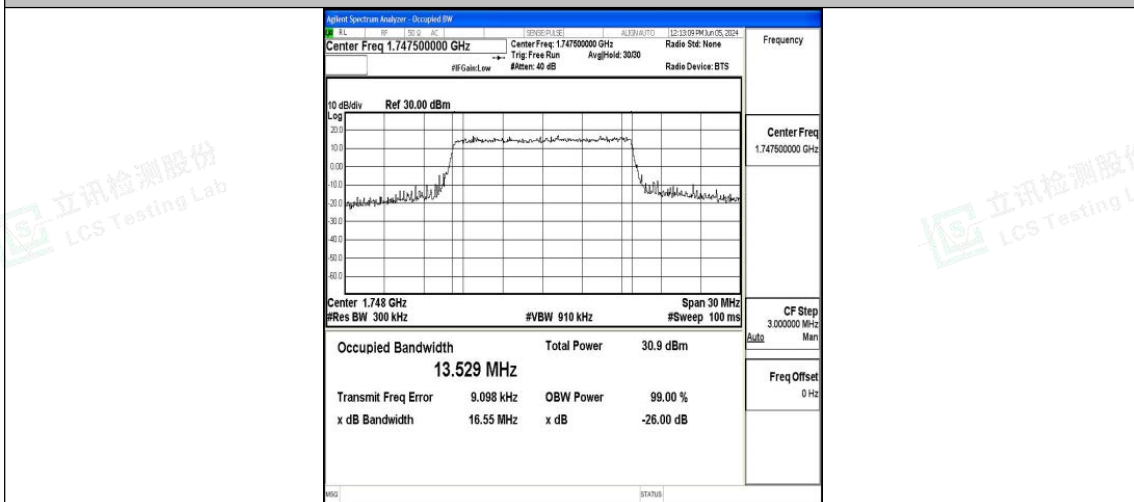




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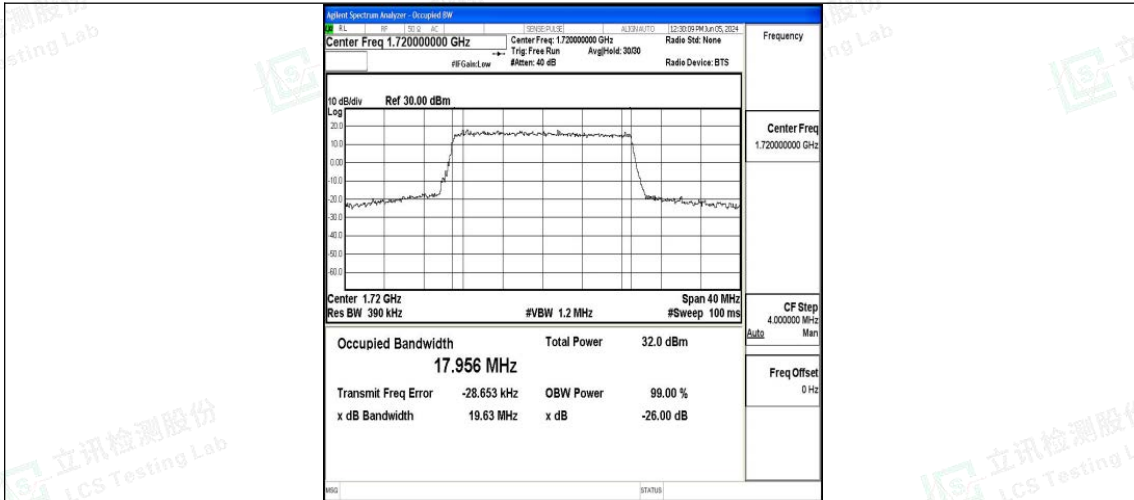


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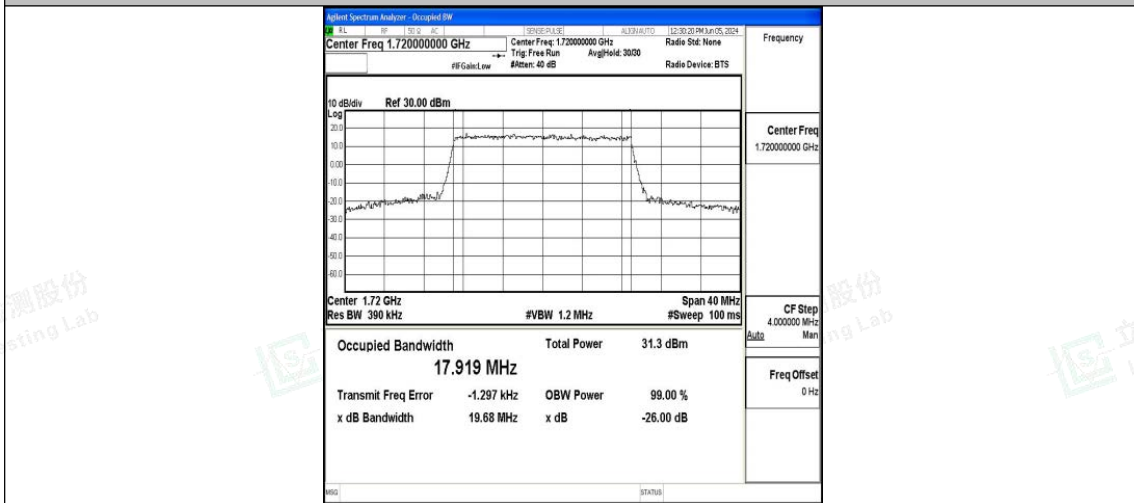


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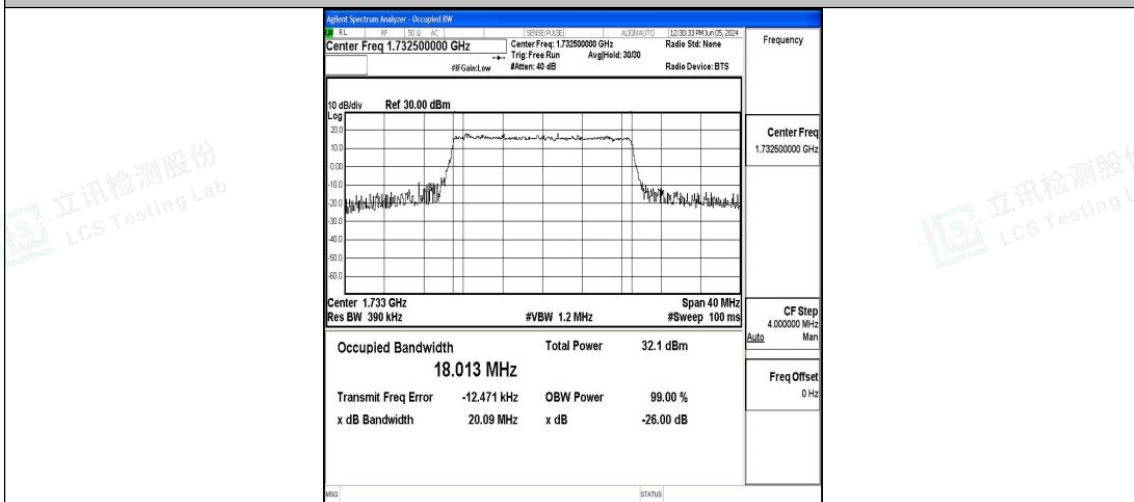




Band4-20MHz-QPSK-20050-100RB#0-PASS

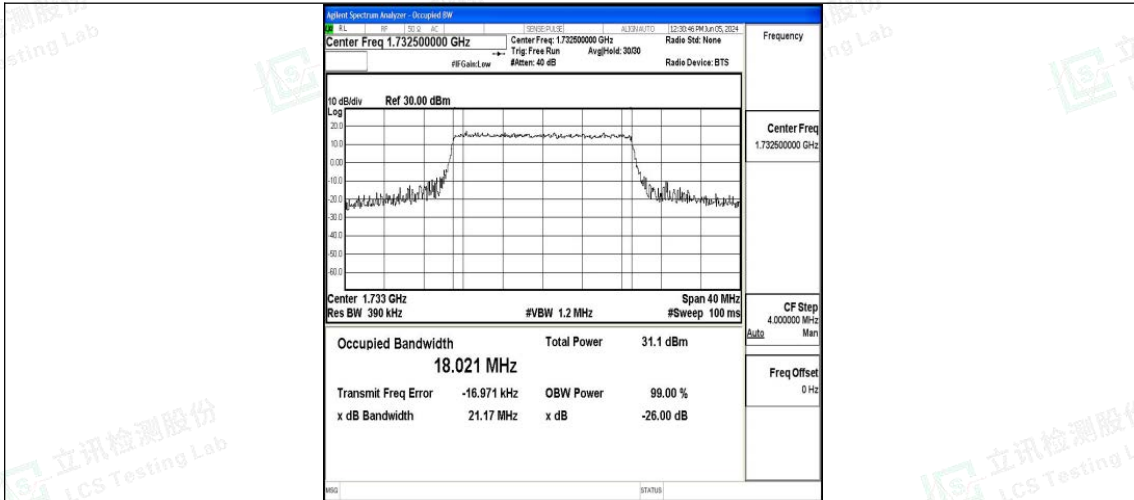


Band4-20MHz-16QAM-20050-100RB#0-PASS

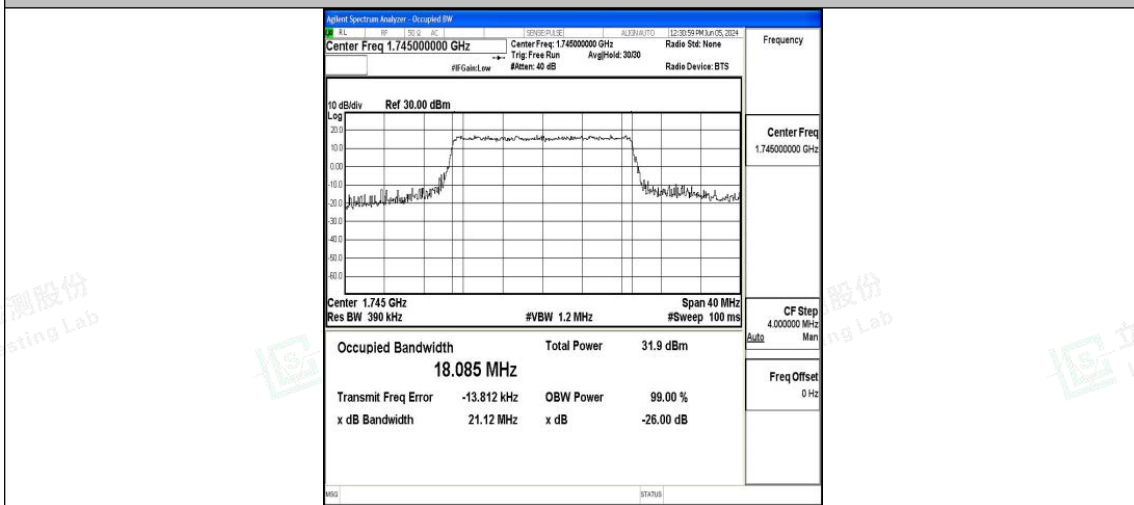


Band4-20MHz-QPSK-20175-100RB#0-PASS

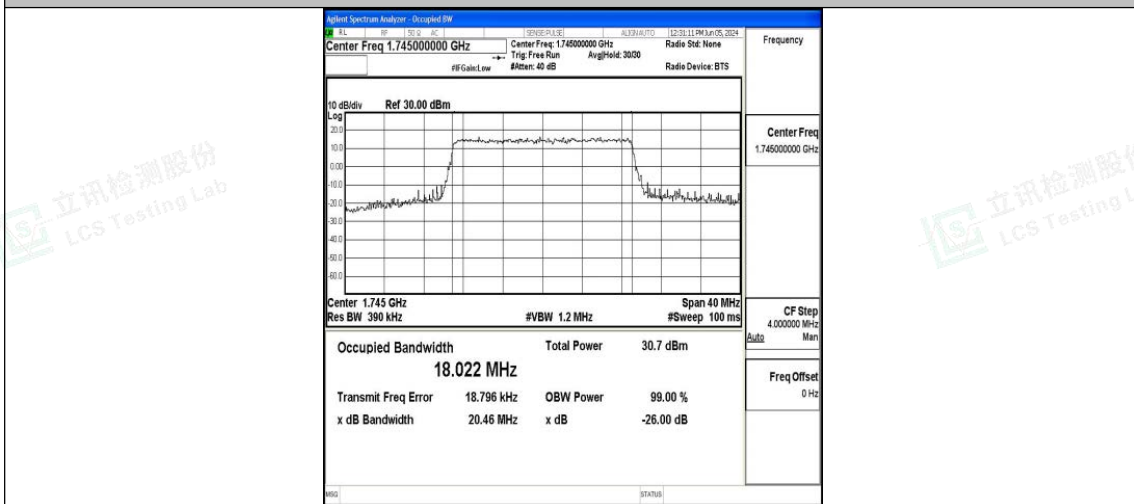




Band4-20MHz-16QAM-20175-100RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20300-100RB#0-PASS





G.4 Band Edge

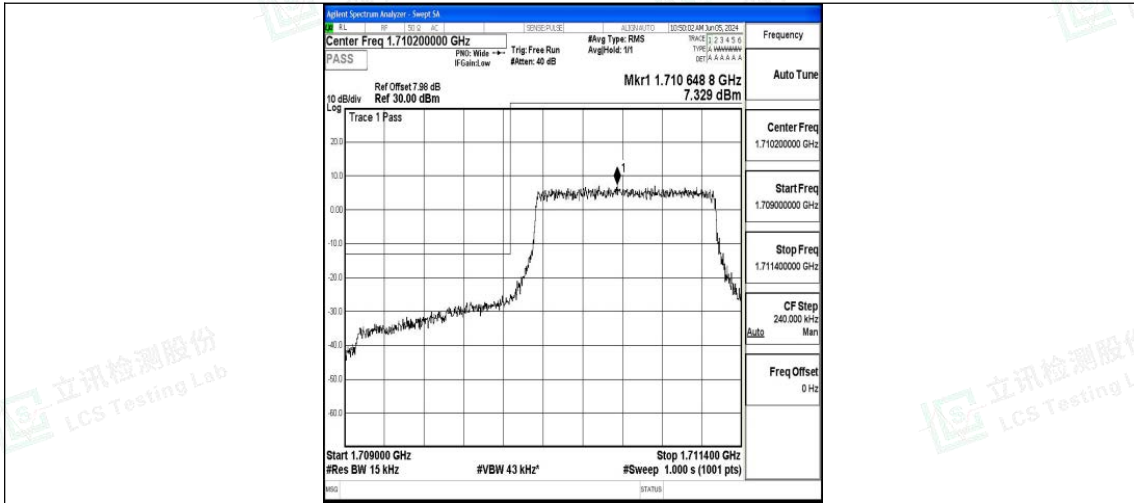
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.95	-25.47	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1709.94	-28.01	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1755.02	-21.47	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1755.04	-23.25	PASS
Band4	3MHz	QPSK	19965	15RB#0	1709.99	-26.85	PASS
Band4	3MHz	16QAM	19965	15RB#0	1710.00	-29.19	PASS
Band4	3MHz	QPSK	20385	15RB#0	1755.03	-22.02	PASS
Band4	3MHz	16QAM	20385	15RB#0	1755.06	-25.92	PASS
Band4	5MHz	QPSK	19975	25RB#0	1709.98	-23.76	PASS
Band4	5MHz	16QAM	19975	25RB#0	1709.98	-25.43	PASS
Band4	5MHz	QPSK	20375	25RB#0	1755.00	-21.48	PASS
Band4	5MHz	16QAM	20375	25RB#0	1755.06	-24.19	PASS
Band4	10MHz	QPSK	20000	50RB#0	1709.95	-27.25	PASS
Band4	10MHz	16QAM	20000	50RB#0	1709.94	-29.59	PASS
Band4	10MHz	QPSK	20350	50RB#0	1755.01	-23.70	PASS
Band4	10MHz	16QAM	20350	50RB#0	1755.05	-26.09	PASS
Band4	15MHz	QPSK	20025	75RB#0	1709.98	-27.16	PASS
Band4	15MHz	16QAM	20025	75RB#0	1709.88	-29.67	PASS
Band4	15MHz	QPSK	20325	75RB#0	1755.50	-23.05	PASS
Band4	15MHz	16QAM	20325	75RB#0	1755.02	-26.16	PASS
Band4	20MHz	QPSK	20050	100RB#0	1709.95	-29.61	PASS
Band4	20MHz	16QAM	20050	100RB#0	1709.99	-31.59	PASS
Band4	20MHz	QPSK	20300	100RB#0	1755.12	-26.45	PASS
Band4	20MHz	16QAM	20300	100RB#0	1755.06	-28.39	PASS

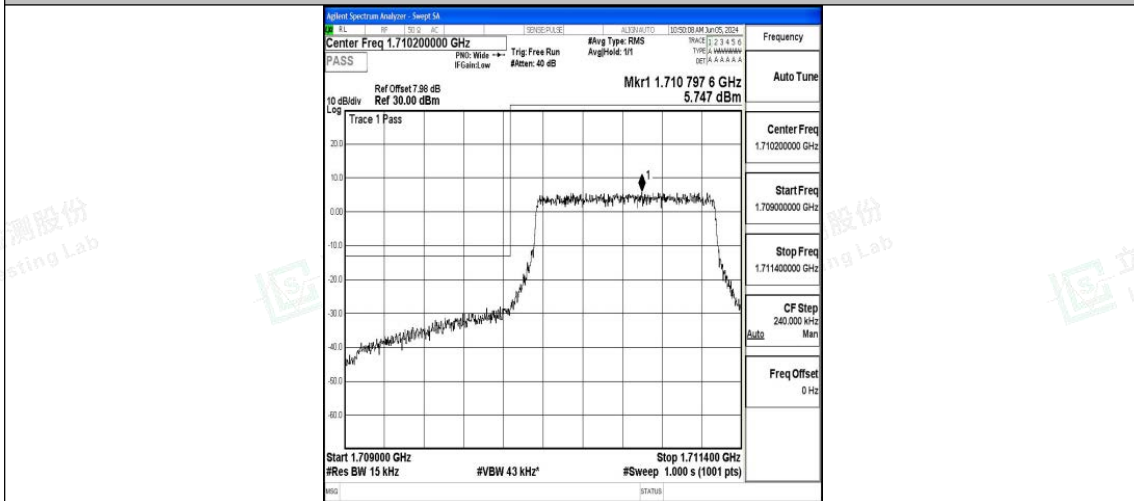




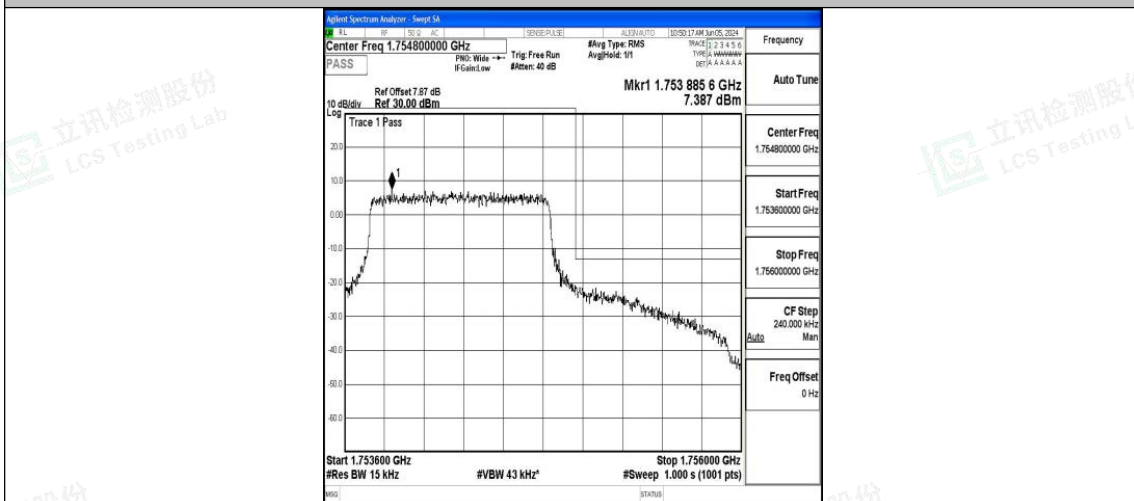
Test Graphs



Band4_1.4MHz_QPSK_19957_6RB#0

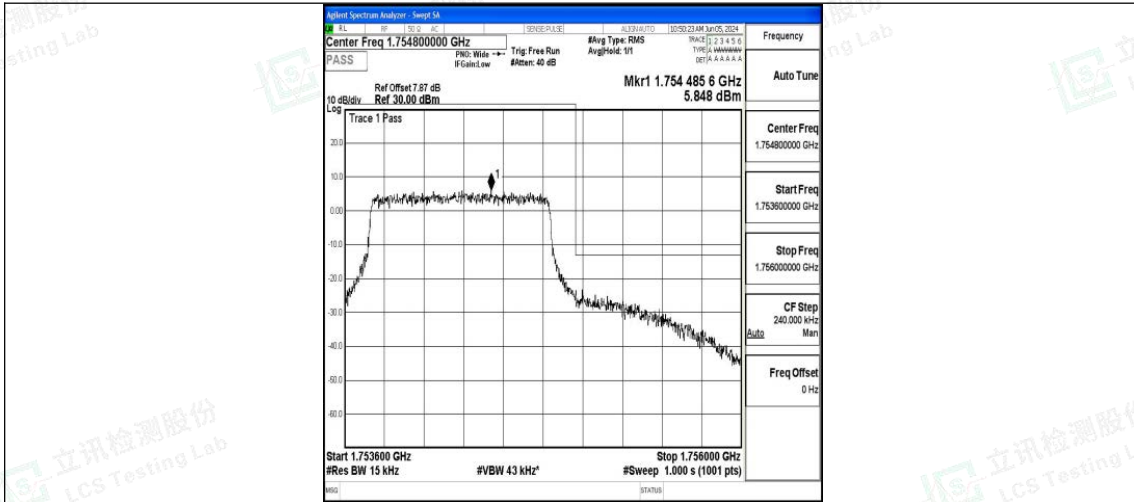


Band4_1.4MHz_16QAM_19957_6RB#0

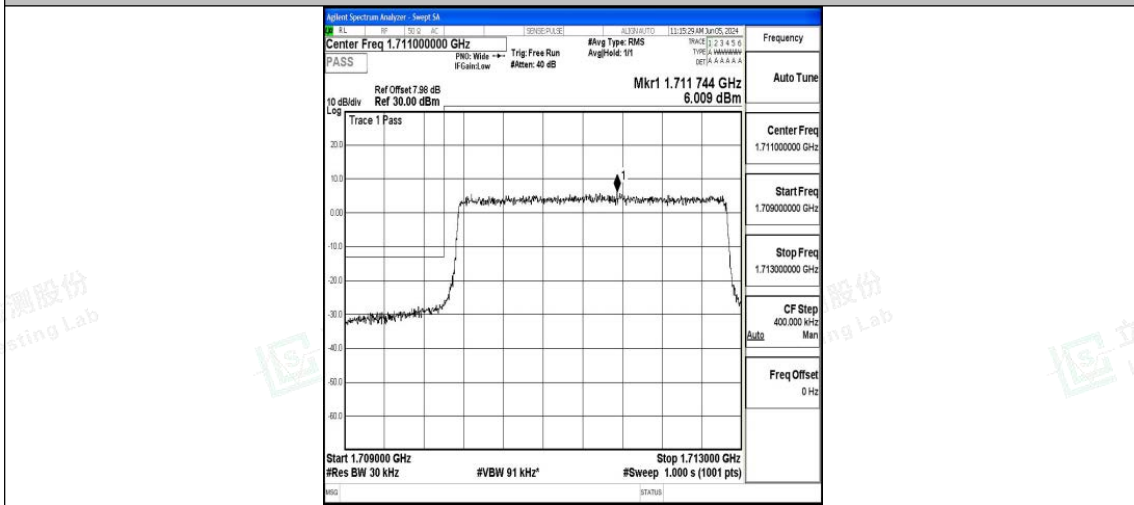


Band4_1.4MHz_QPSK_20393_6RB#0

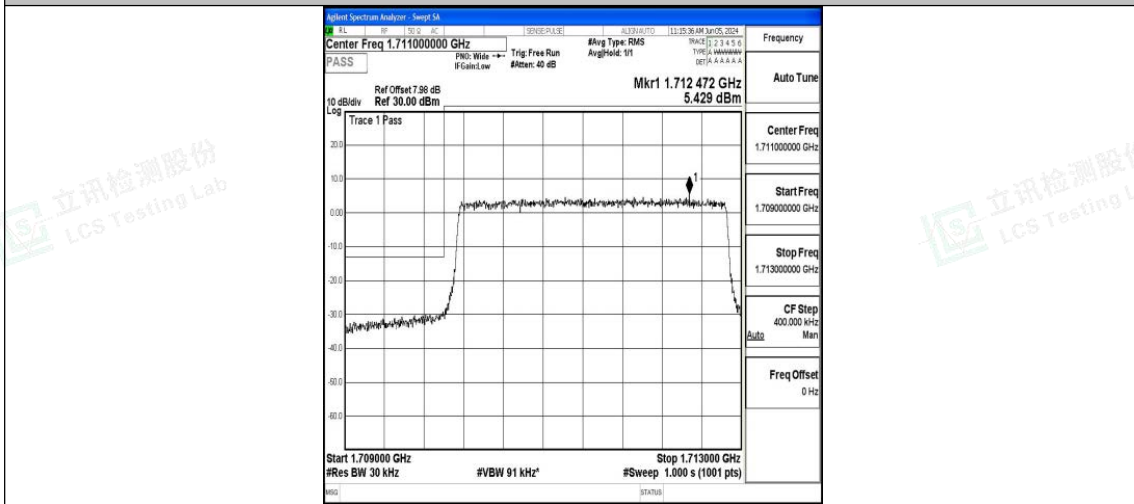




Band4_1.4MHz_16QAM_20393_6RB#0

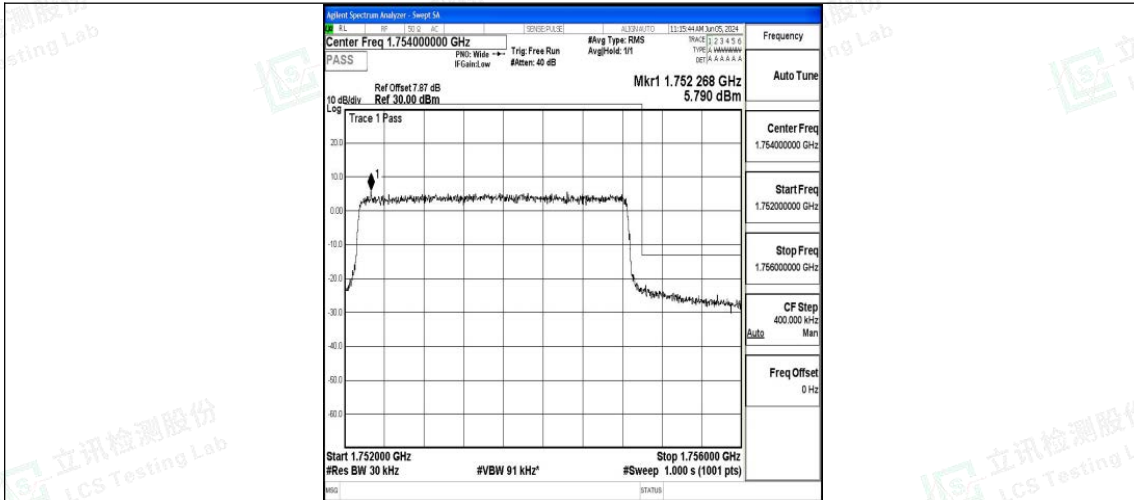


Band4_3MHz_QPSK_19965_15RB#0

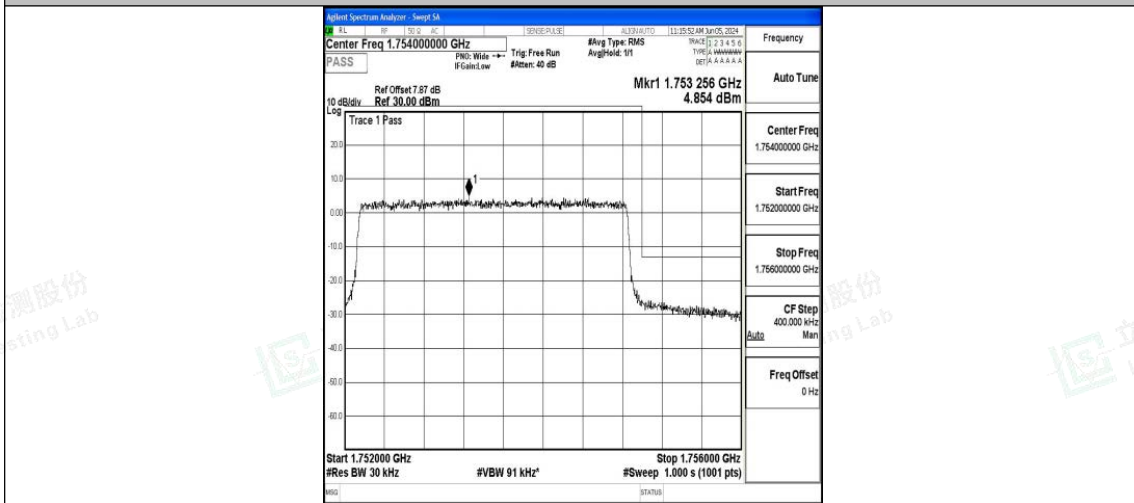


Band4_3MHz_16QAM_19965_15RB#0

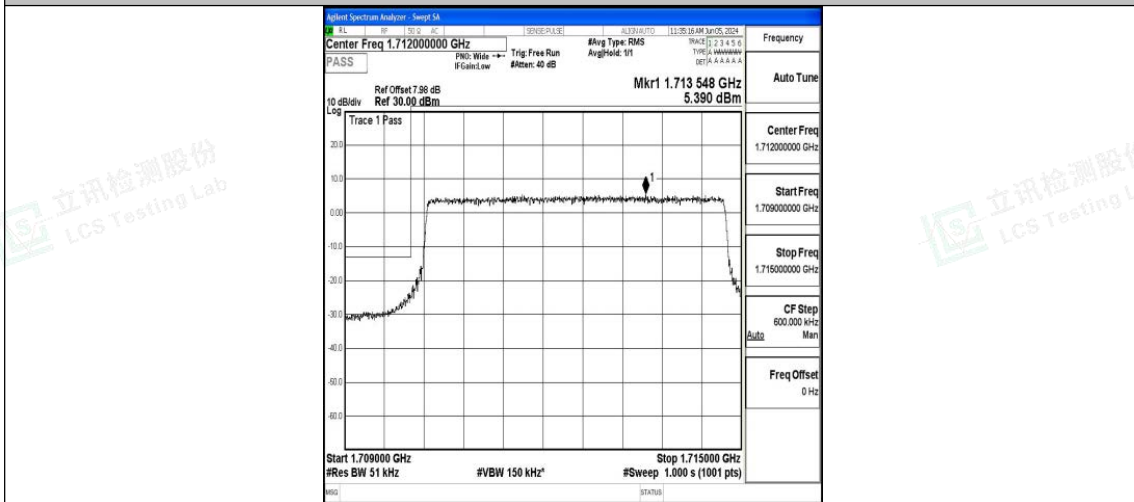




Band4_3MHz_QPSK_20385_15RB#0



Band4_3MHz_16QAM_20385_15RB#0



Band4_5MHz_QPSK_19975_25RB#0

