



Appendix I: Test Data for E-UTRA Band 4

Product Name: Smartphone
Test Model: S24 Pro

Environmental Conditions

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





I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	20.53	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.42	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	20.55	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.40	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	20.60	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.44	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	20.62	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	19.58	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	20.61	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	19.36	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	20.70	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	19.48	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.76	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	18.92	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.04	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.54	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.94	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	19.56	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.01	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	19.54	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.01	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	19.78	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	20.98	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	19.84	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	20.99	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.29	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	20.08	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.42	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.66	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.07	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.65	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.05	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.67	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.22	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.93	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.80	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

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Band4	1.4MHz	QPSK	20393	3RB#1	21.94	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.80	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.76	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.96	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.97	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.94	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.11	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.98	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.16	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.88	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.06	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.19	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.51	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.21	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.62	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.16	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.61	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.12	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.42	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.72	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.35	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.71	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.31	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.71	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.32	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.99	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.24	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.91	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.23	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.95	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.29	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.89	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.79	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.18	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.81	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.11	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.85	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.12	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.09	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.25	PASS





Band4	3MHz	QPSK	20385	8RB#4	22.03	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.37	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.04	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.29	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.10	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.36	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.04	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.71	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.02	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.70	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.01	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.65	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.25	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.35	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.16	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.34	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.19	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.33	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.22	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.48	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.70	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.19	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.61	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.10	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.65	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.18	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.99	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.33	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.88	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.19	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.97	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.13	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.03	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.95	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.91	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.72	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.95	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.69	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.96	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.66	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.11	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.17	PASS



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Band4	5MHz	QPSK	20375	12RB#6	22.12	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.18	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.12	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.15	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.09	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.16	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.97	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.20	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.89	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.15	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.81	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.08	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.13	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.37	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.15	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.29	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.11	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.24	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.18	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.36	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.79	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.97	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.81	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.87	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.72	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.89	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.02	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.21	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.01	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.20	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.90	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.29	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.98	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.17	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.64	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.51	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.74	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.54	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.76	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.61	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.12	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.20	PASS



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Band4	10MHz	QPSK	20350	25RB#12	22.01	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.21	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.06	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.27	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.05	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.25	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.97	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.21	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.85	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.17	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.74	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.12	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.06	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.07	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.06	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.06	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.06	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.05	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.05	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.33	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.42	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.88	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.35	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.77	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.36	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.84	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.95	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.94	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.04	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.04	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.04	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.02	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.02	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.32	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.63	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.28	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.72	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.38	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.88	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.21	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.01	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.02	PASS



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Band4	15MHz	QPSK	20325	38RB#18	22.02	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.03	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.12	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.11	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.06	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.28	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.97	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.05	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.80	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.86	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.67	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.73	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.17	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.51	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.20	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.51	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.04	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.34	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.01	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.33	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.90	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.64	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.77	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.52	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.94	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.46	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.03	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.21	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.20	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.01	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.17	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.97	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.25	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.84	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.66	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.89	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.64	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.96	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.68	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.99	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.35	PASS





Band4	20MHz	QPSK	20300	50RB#25	21.98	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.35	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	22.11	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.26	PASS





I.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	3.89	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.56	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.57	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.24	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.19	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.82	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.89	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.59	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.40	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.02	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.33	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.00	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.52	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.26	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.28	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.03	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.73	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.53	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.57	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.27	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.45	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.28	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.27	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.98	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.59	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.37	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.87	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.41	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	3.82	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	4.76	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.95	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.60	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.43	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.37	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.79	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.37	13	PASS



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Scan code to check authenticity



Band4	10MHz	QPSK	20000	1RB#0	3.50	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.21	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.94	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.57	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	3.86	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	4.65	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.96	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.64	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.12	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	3.99	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.77	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.41	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.49	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.19	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.24	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.70	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.01	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.60	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.22	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.74	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.40	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.04	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.96	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.50	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.24	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.10	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.02	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.66	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	3.93	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	4.58	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.94	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.63	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	3.32	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	3.90	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.74	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.36	13	PASS





Test Graphs



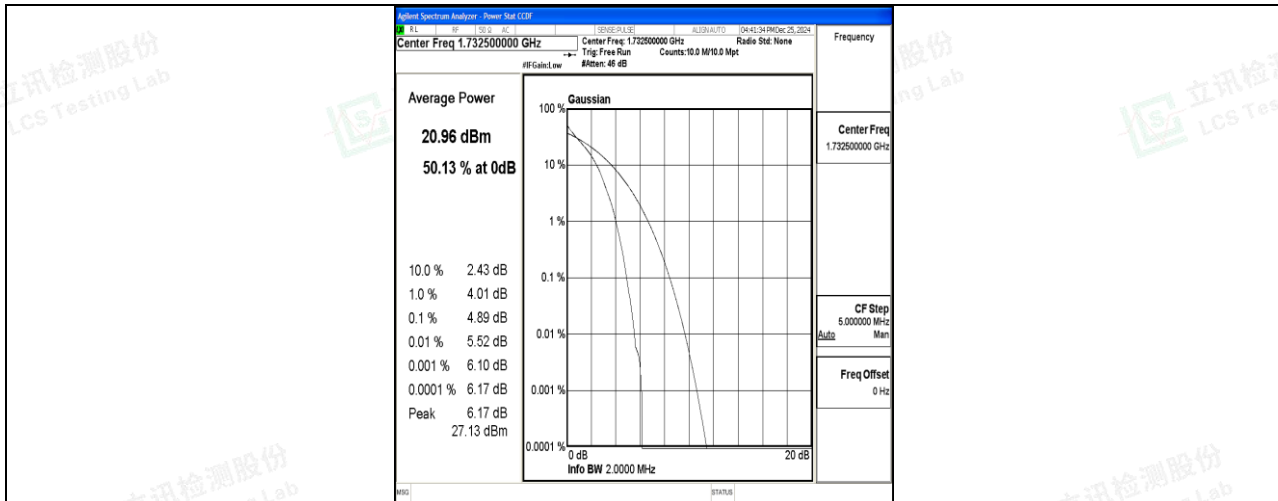
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

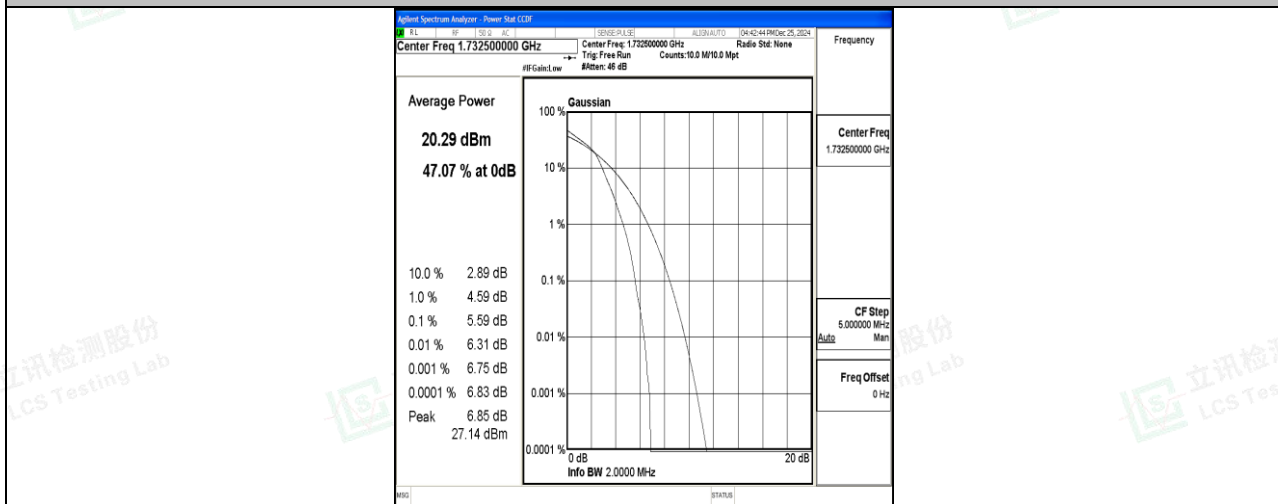
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

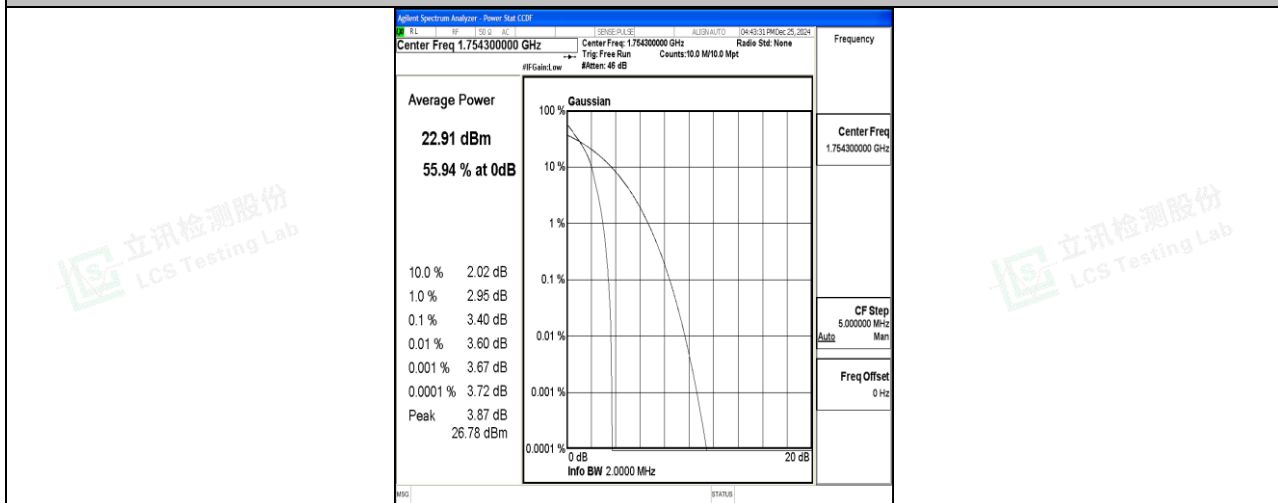




Band4-1.4MHz-QPSK-20175-6RB#0-PASS



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



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

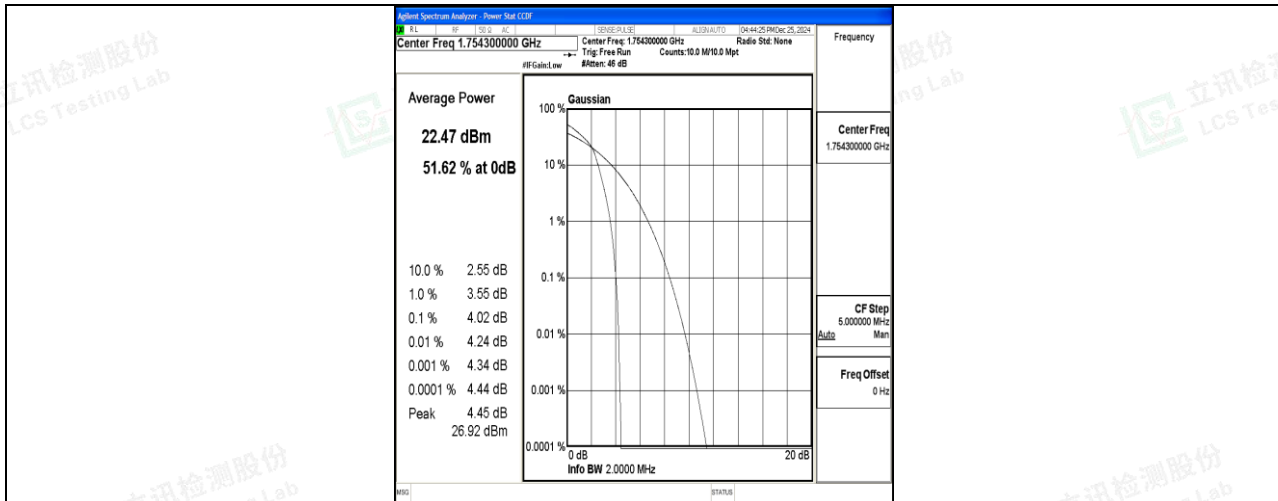


Shenzhen LCS Compliance Testing Laboratory Ltd.

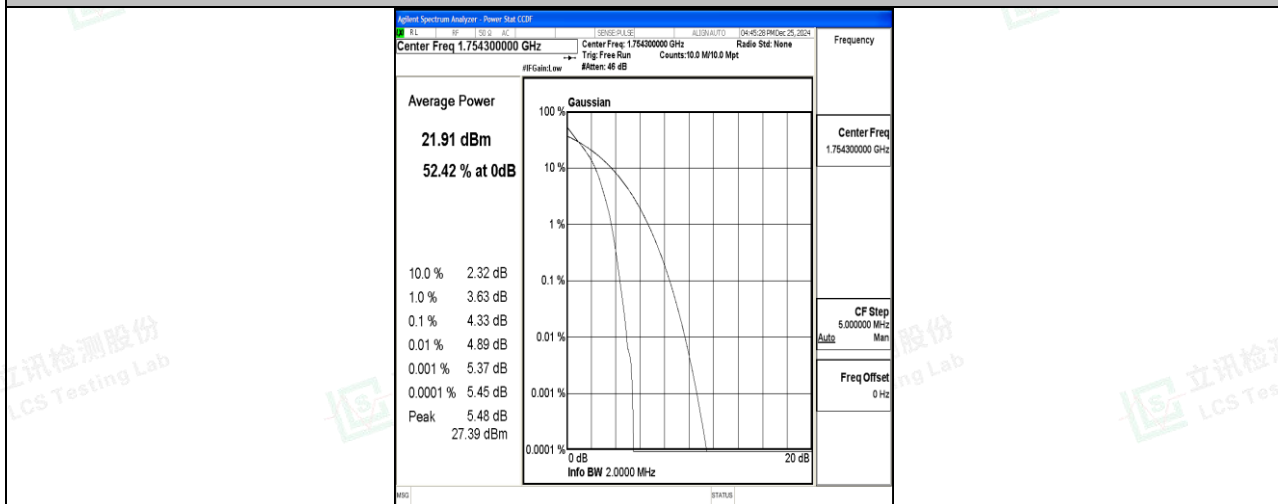
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

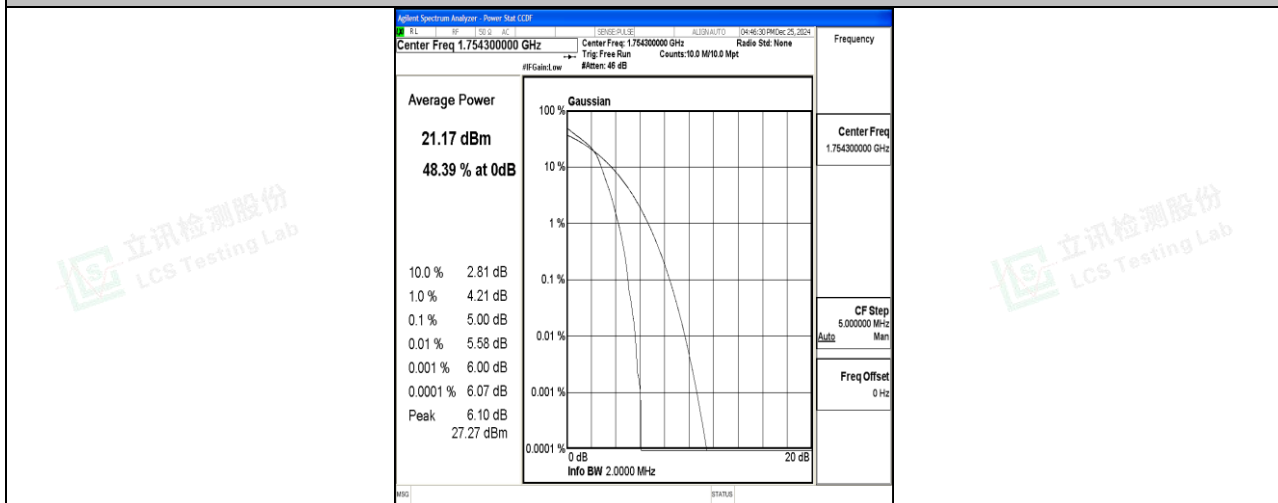
Scan code to check authenticity



Band4-1.4MHz-16QAM-20393-1RB#0-PASS



Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-16QAM-20393-6RB#0-PASS

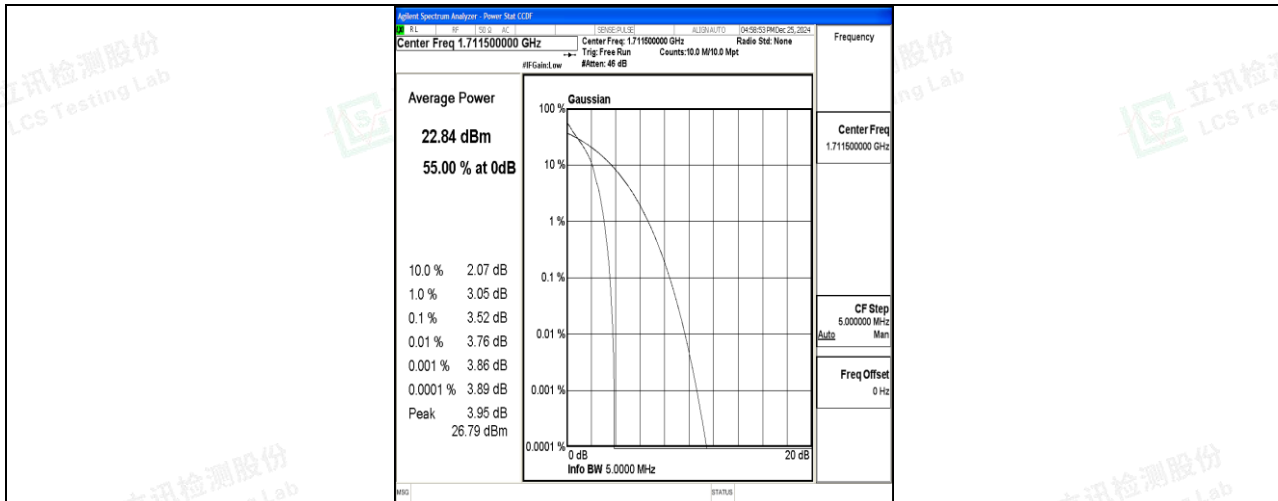


Shenzhen LCS Compliance Testing Laboratory Ltd.

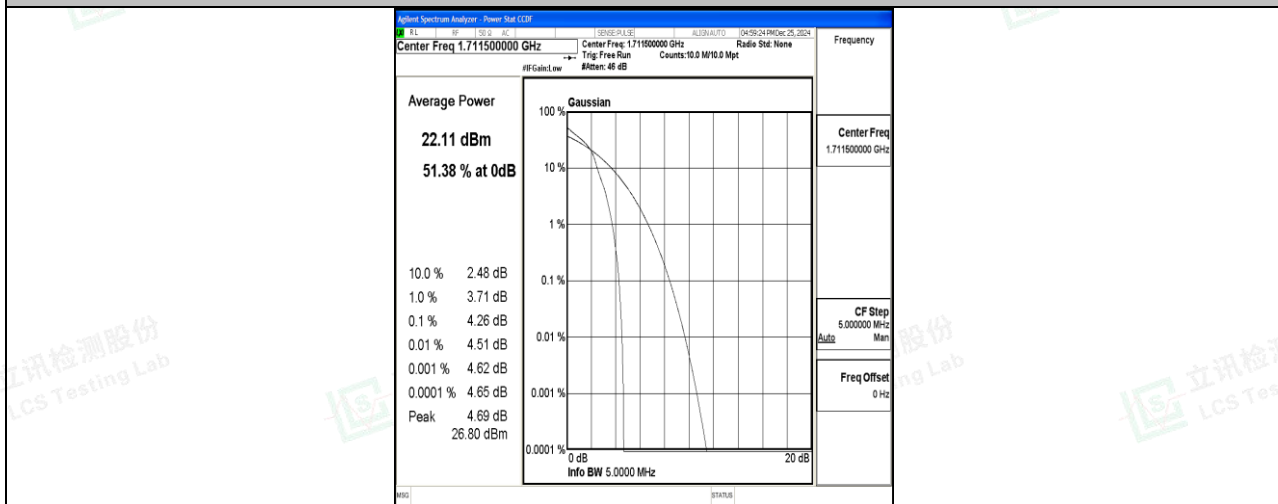
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

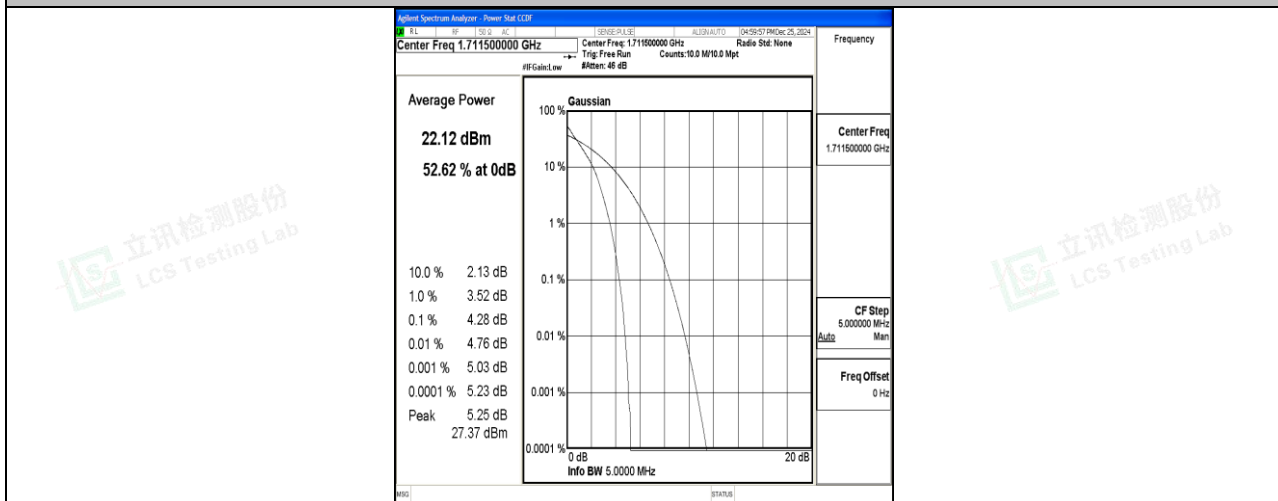
Scan code to check authenticity



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



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



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

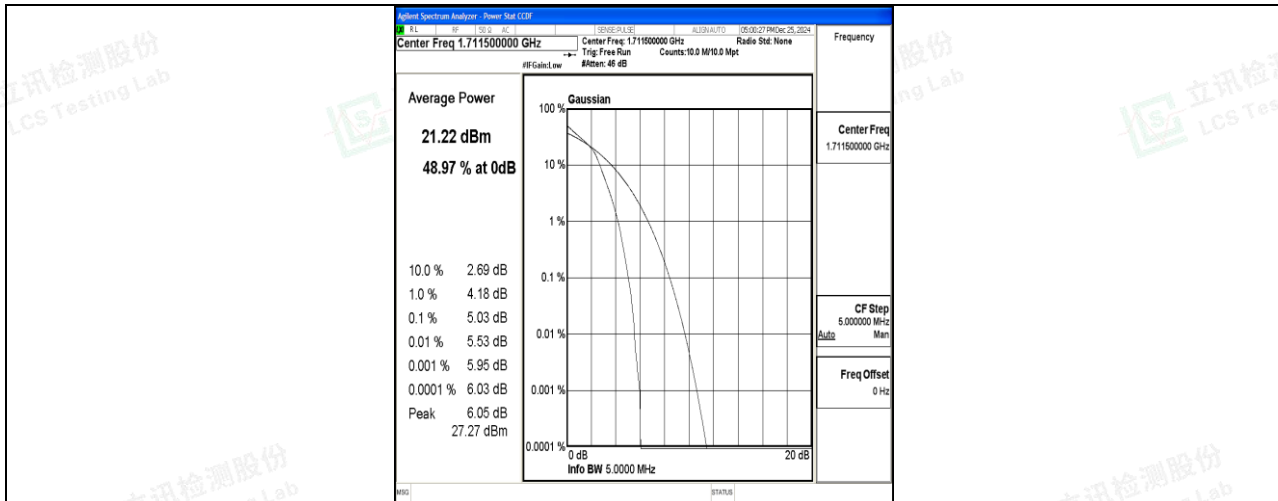


Shenzhen LCS Compliance Testing Laboratory Ltd.

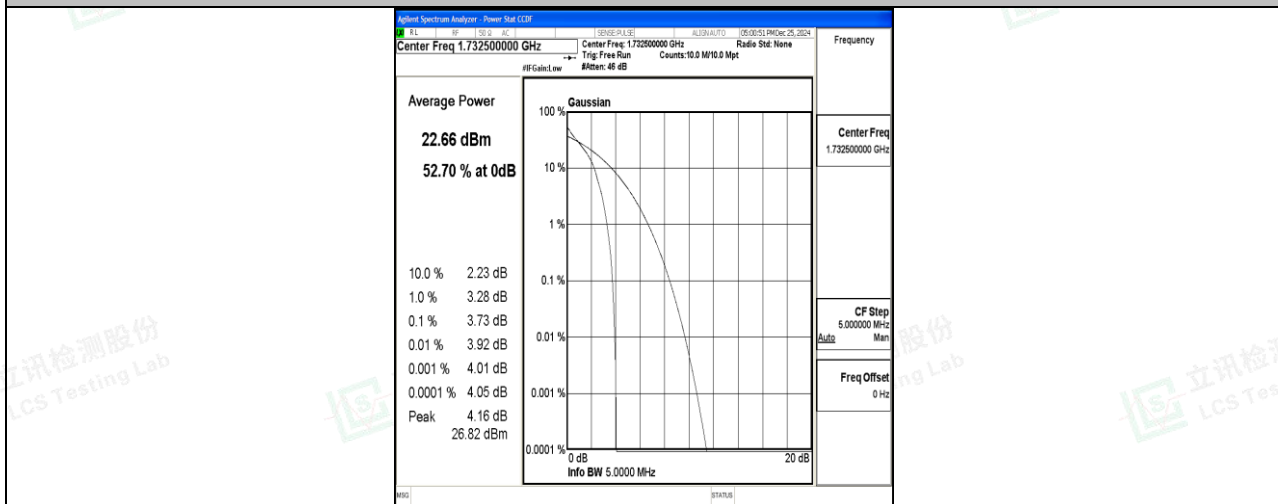
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

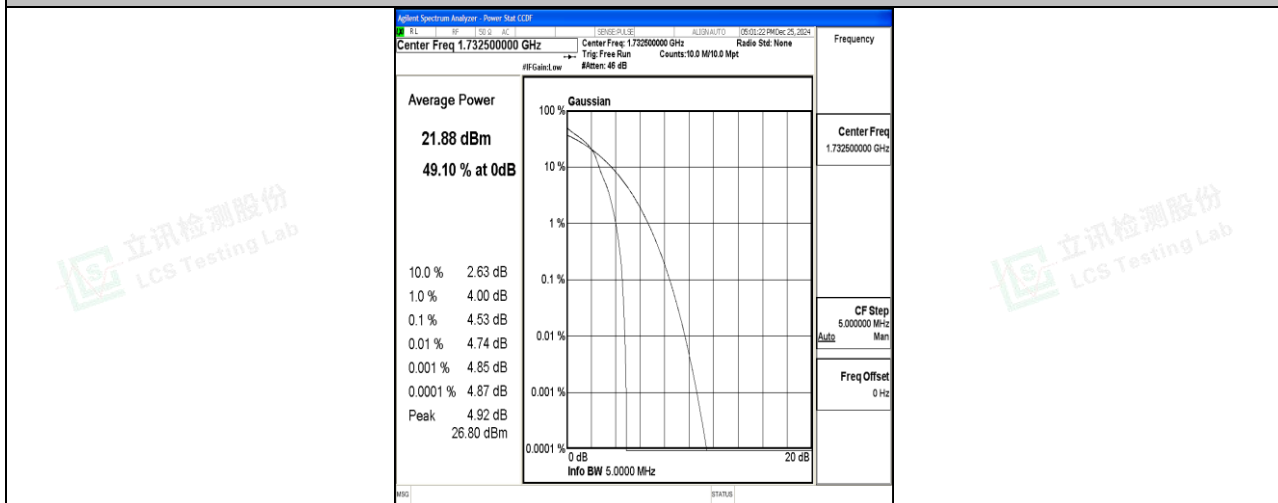
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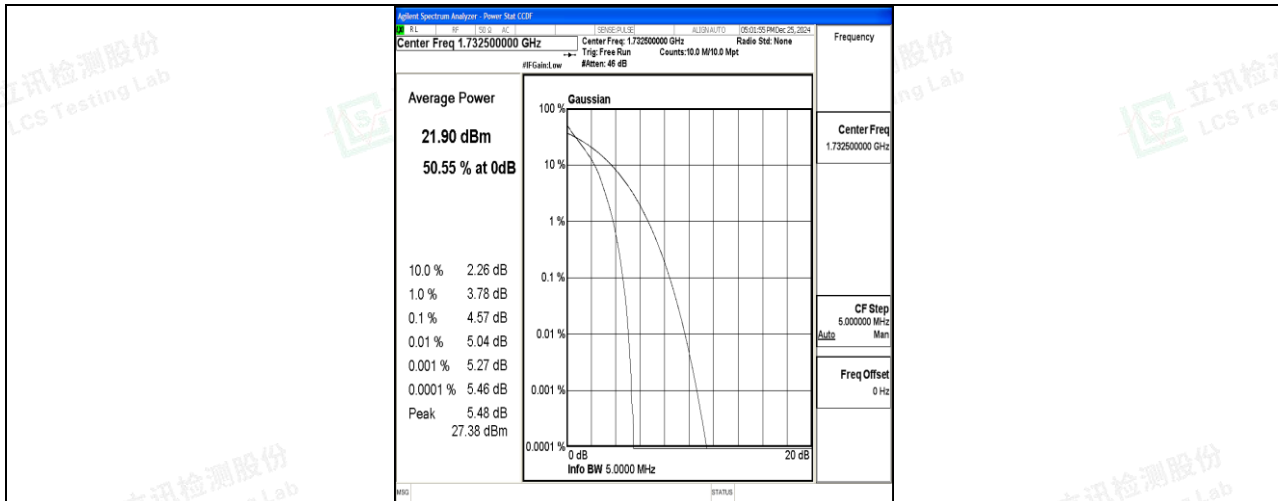


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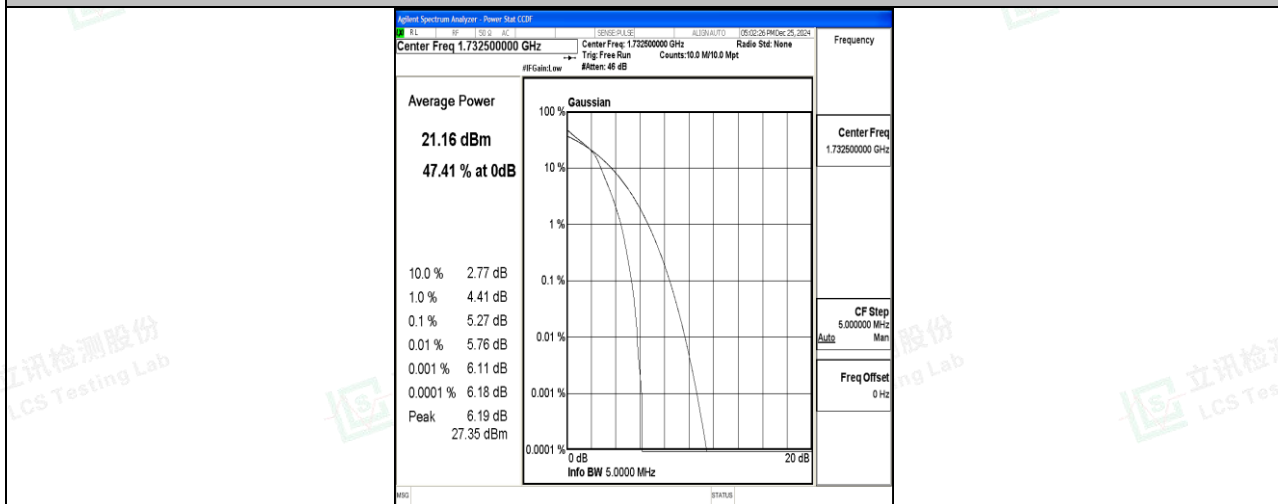


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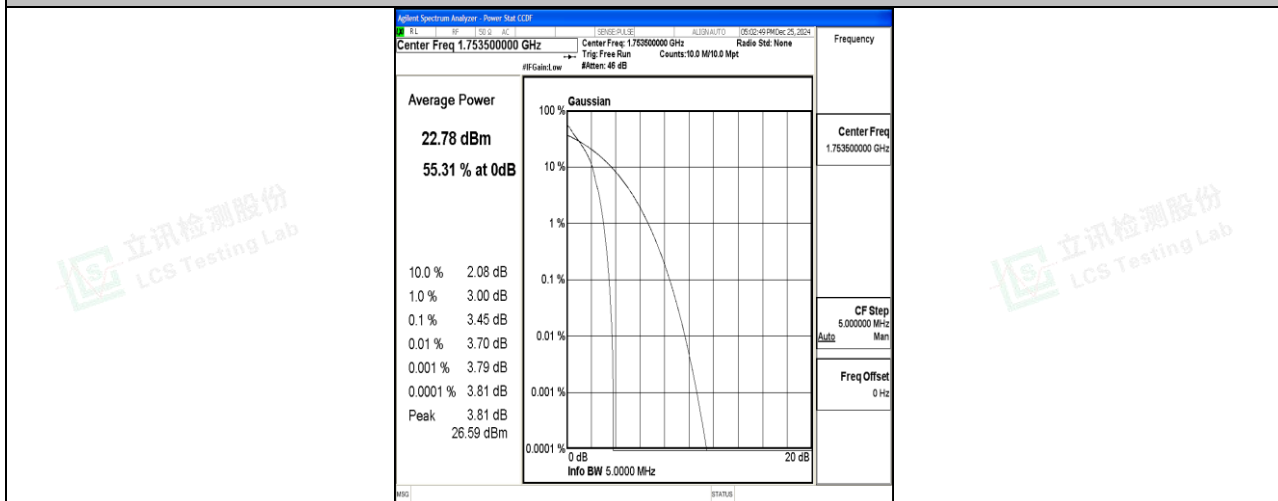




Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS



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

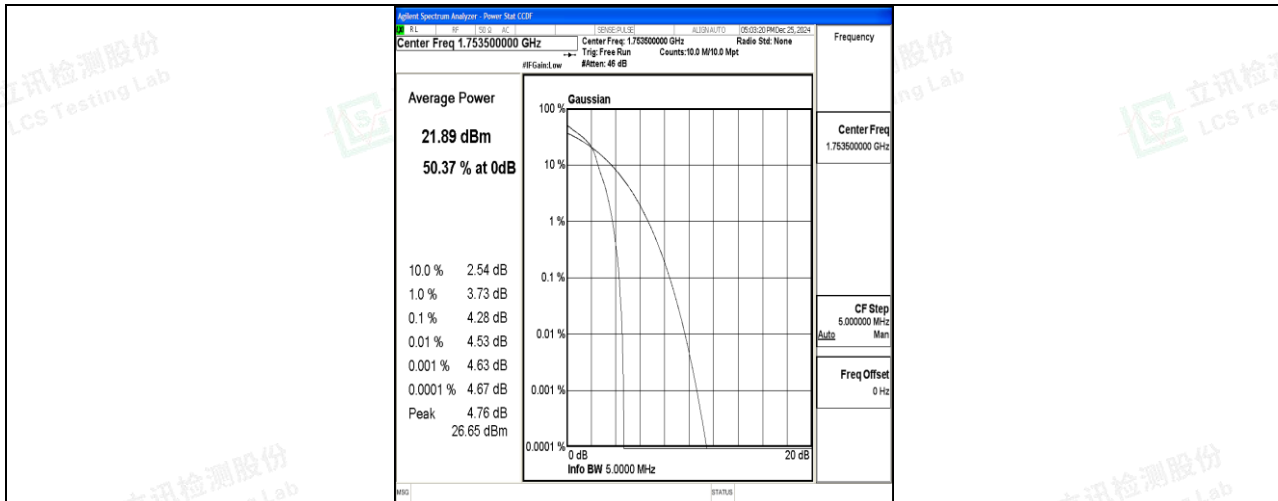


Shenzhen LCS Compliance Testing Laboratory Ltd.

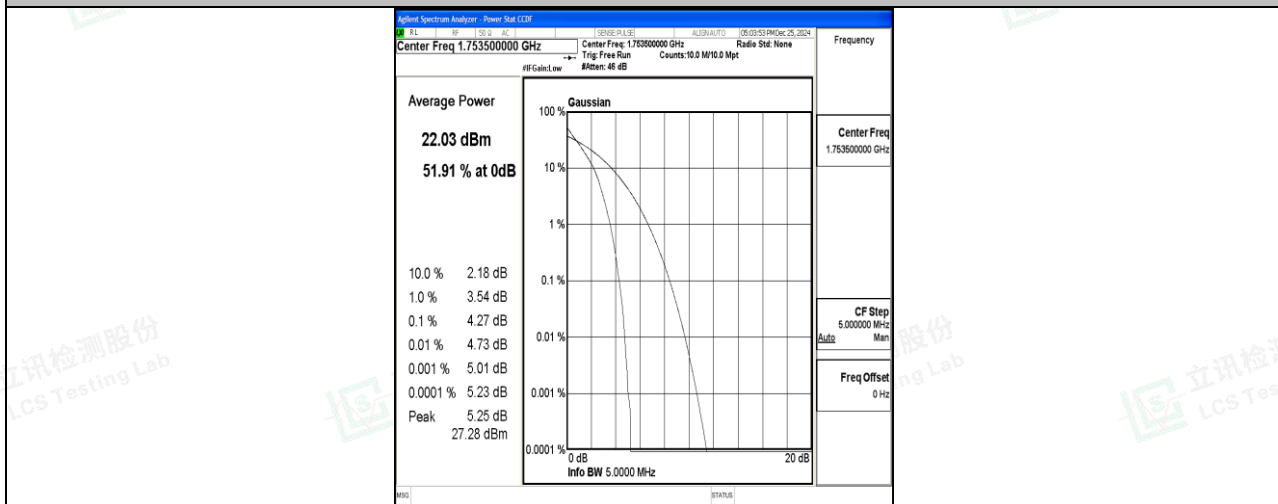
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

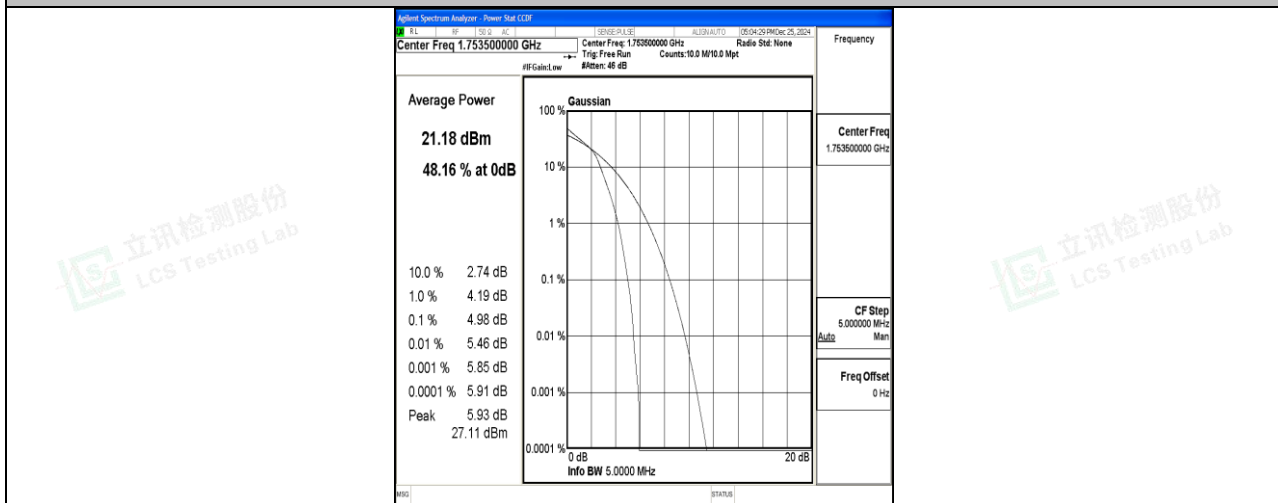
Scan code to check authenticity



Band4-3MHz-16QAM-20385-1RB#0-PASS



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



Band4-3MHz-16QAM-20385-15RB#0-PASS

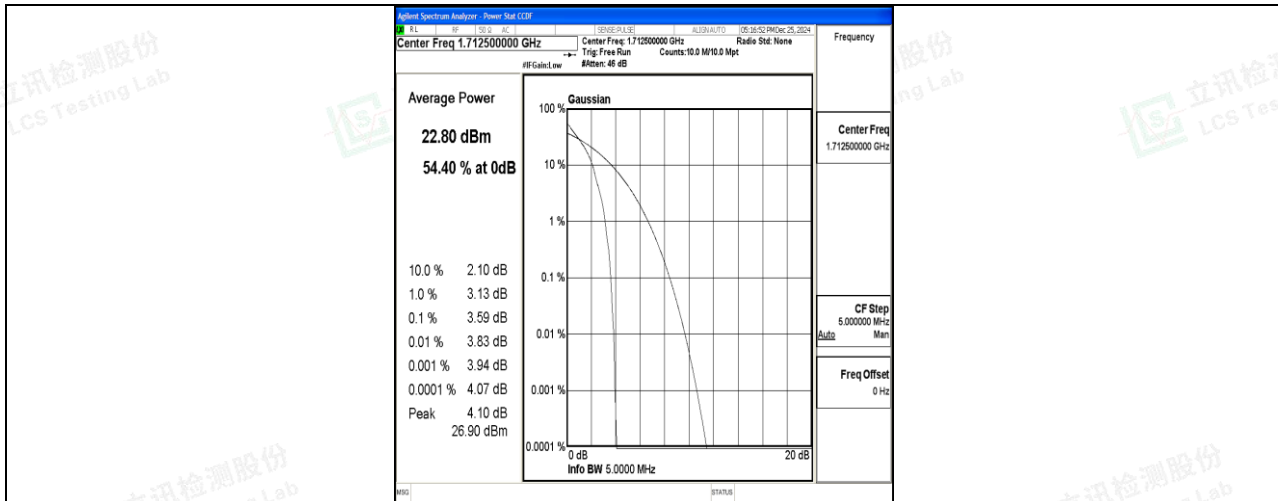


Shenzhen LCS Compliance Testing Laboratory Ltd.

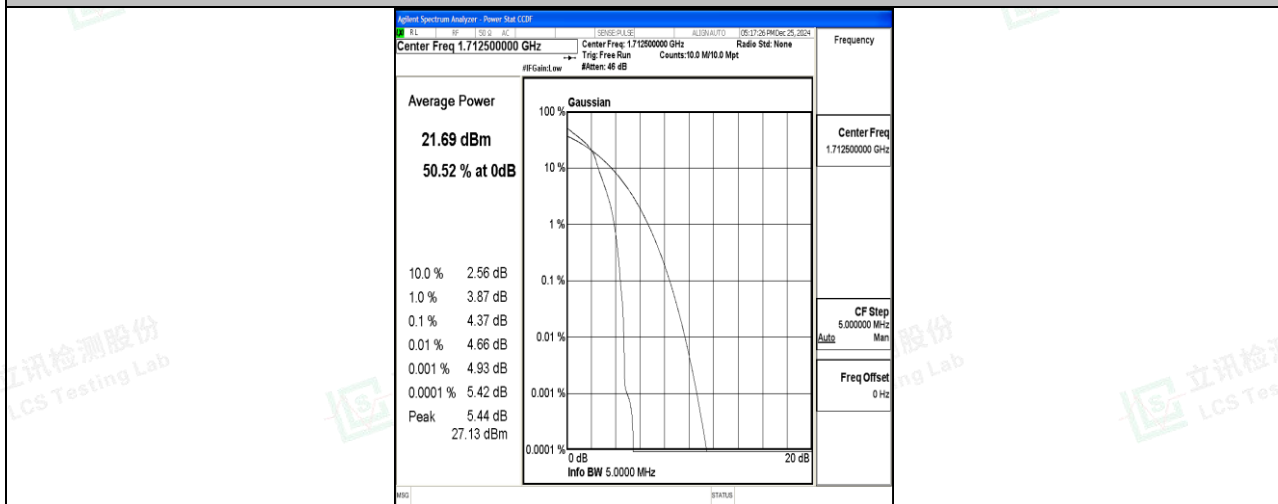
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

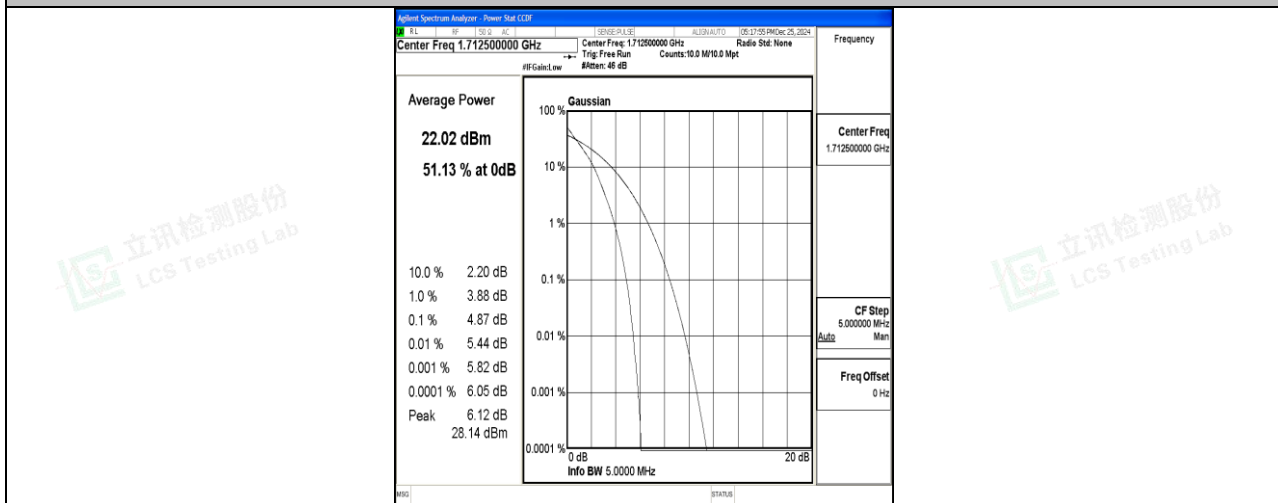
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Band4-5MHz-QPSK-19975-1RB#0-PASS



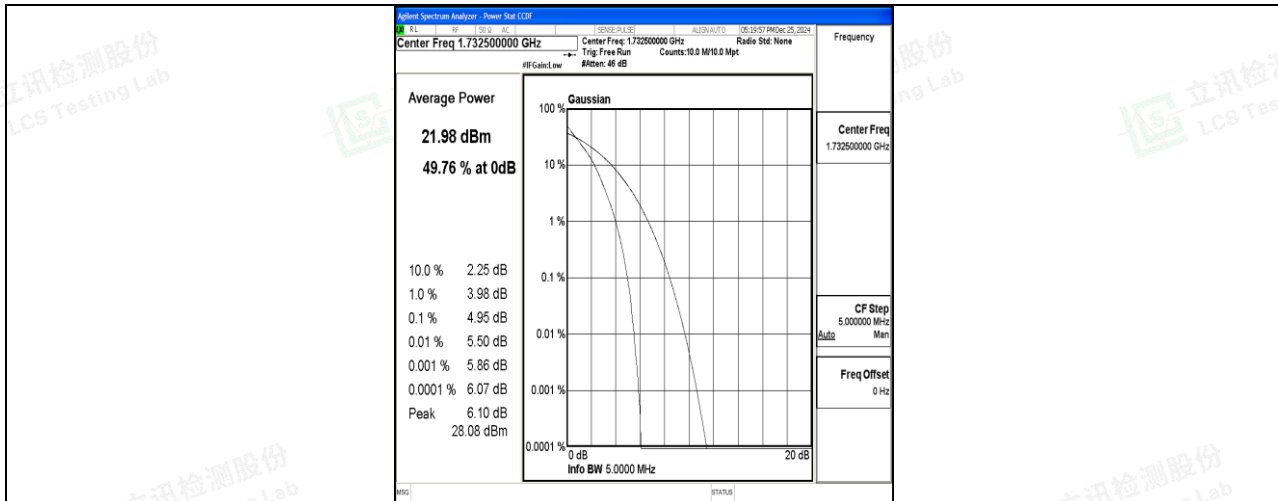
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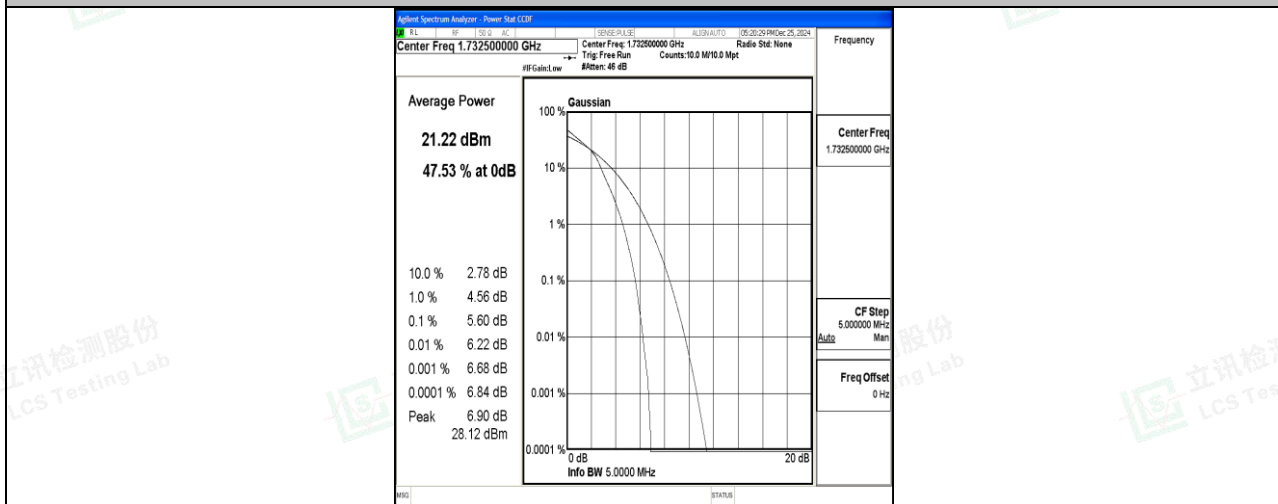
Band4-5MHz-QPSK-19975-25RB#0-PASS



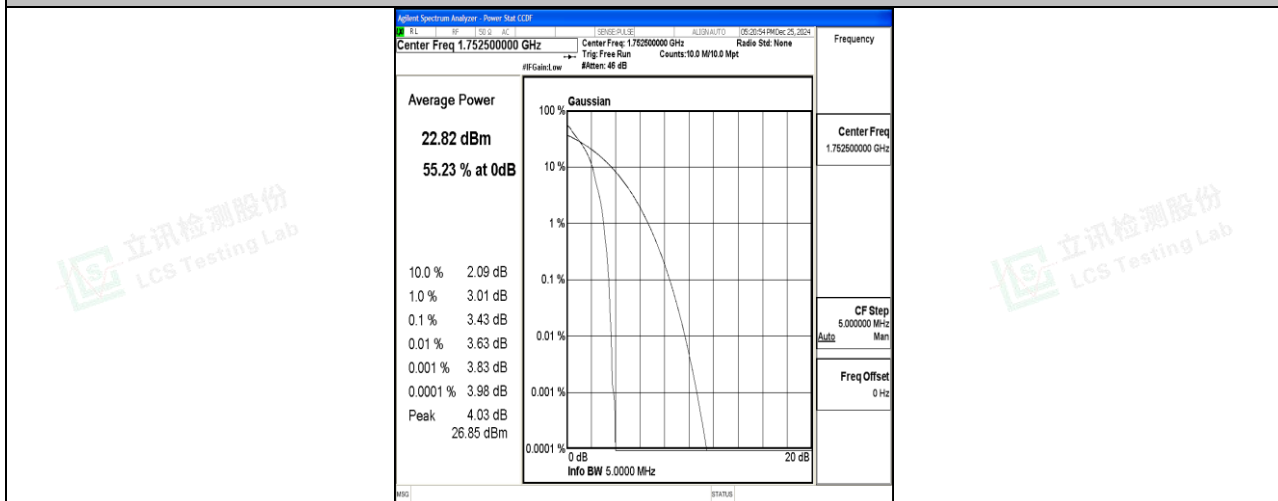




Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-16QAM-20175-25RB#0-PASS



Band4-5MHz-QPSK-20375-1RB#0-PASS

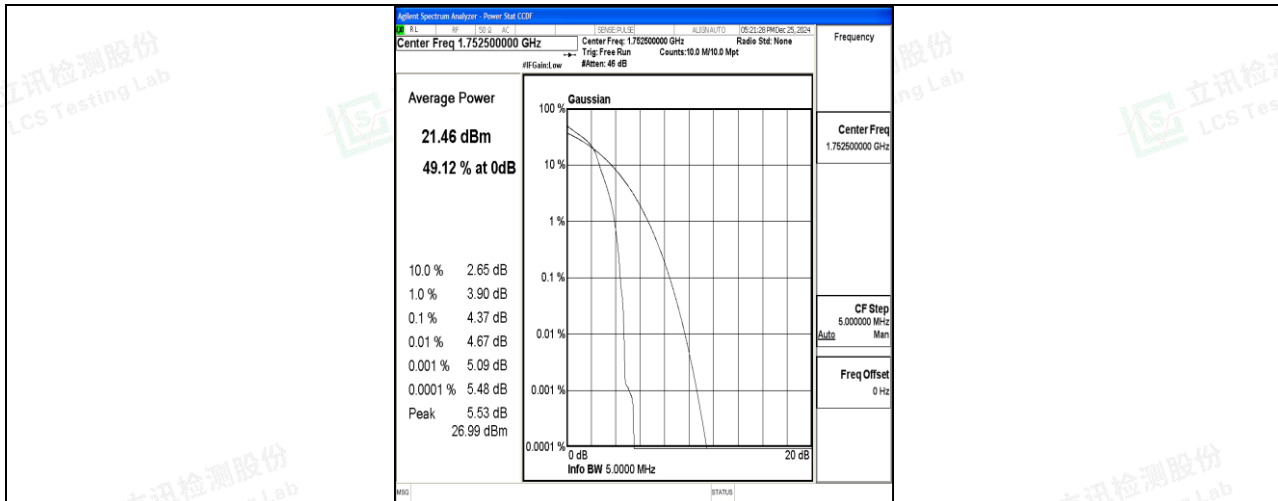


Shenzhen LCS Compliance Testing Laboratory Ltd.

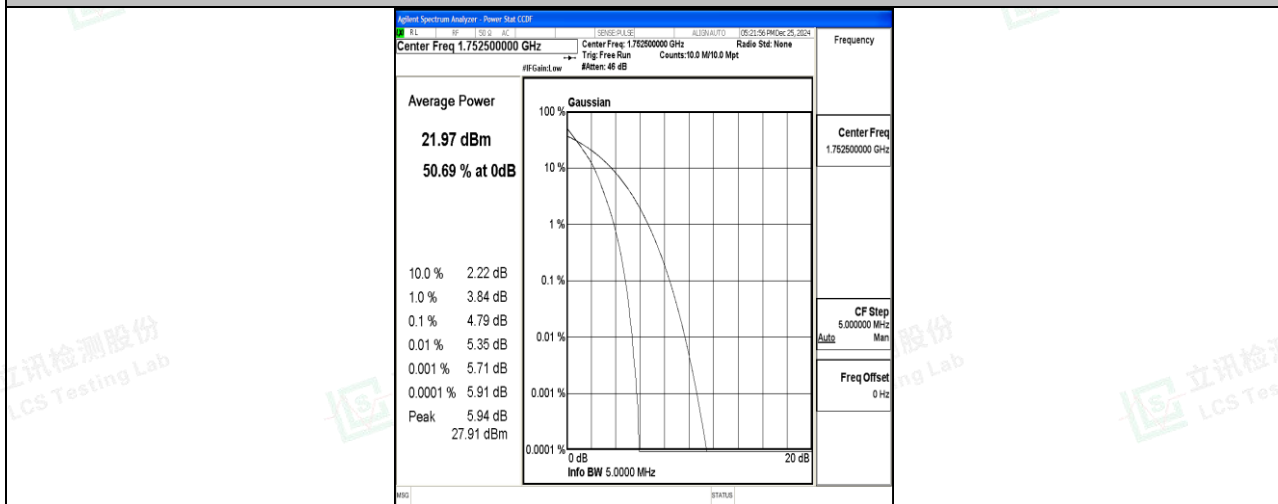
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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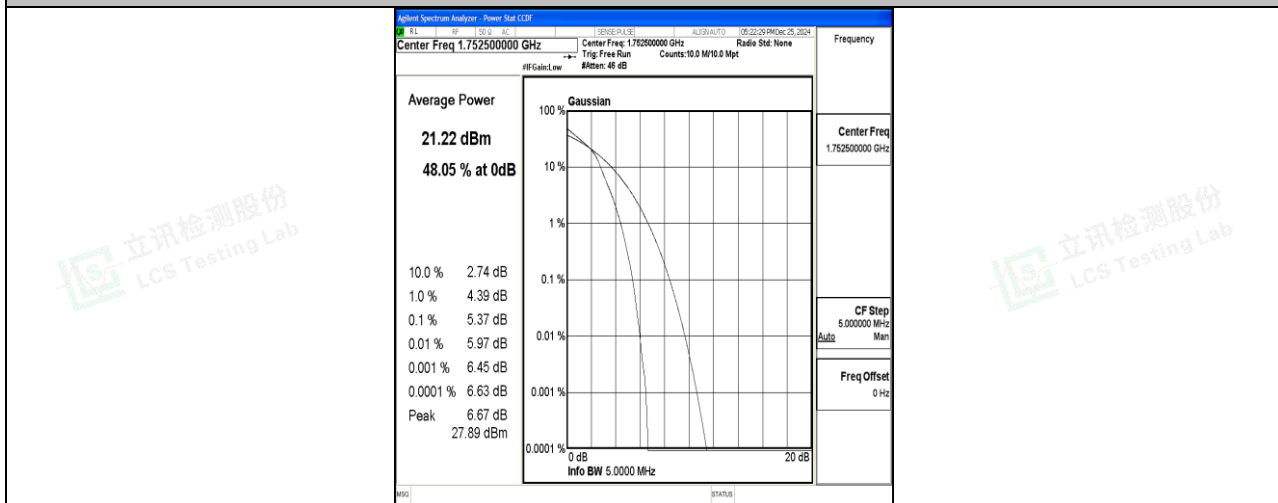
Scan code to check authenticity



Band4-5MHz-16QAM-20375-1RB#0-PASS



Band4-5MHz-QPSK-20375-25RB#0-PASS



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

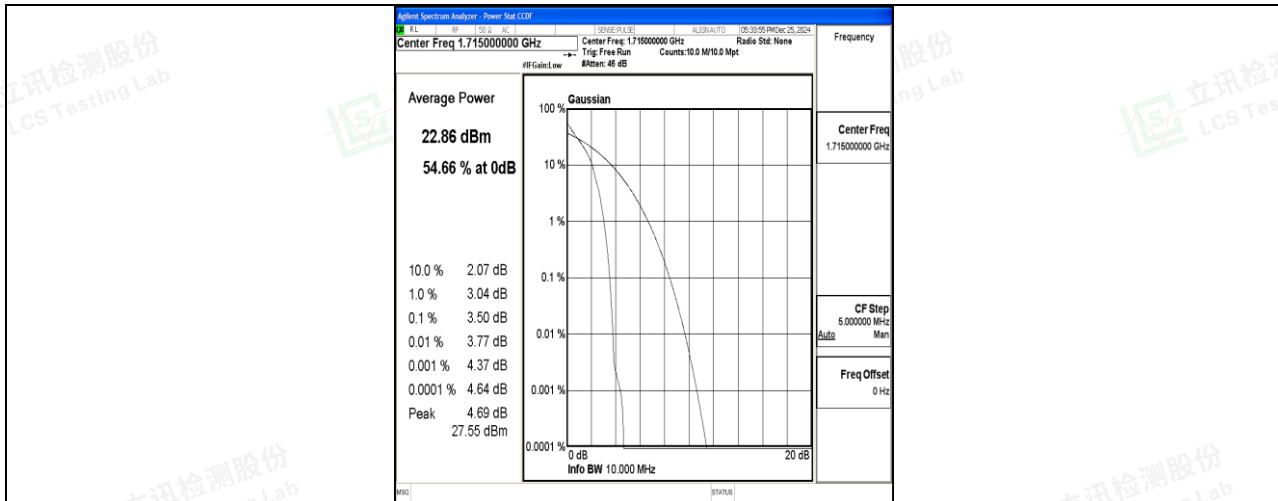


Shenzhen LCS Compliance Testing Laboratory Ltd.

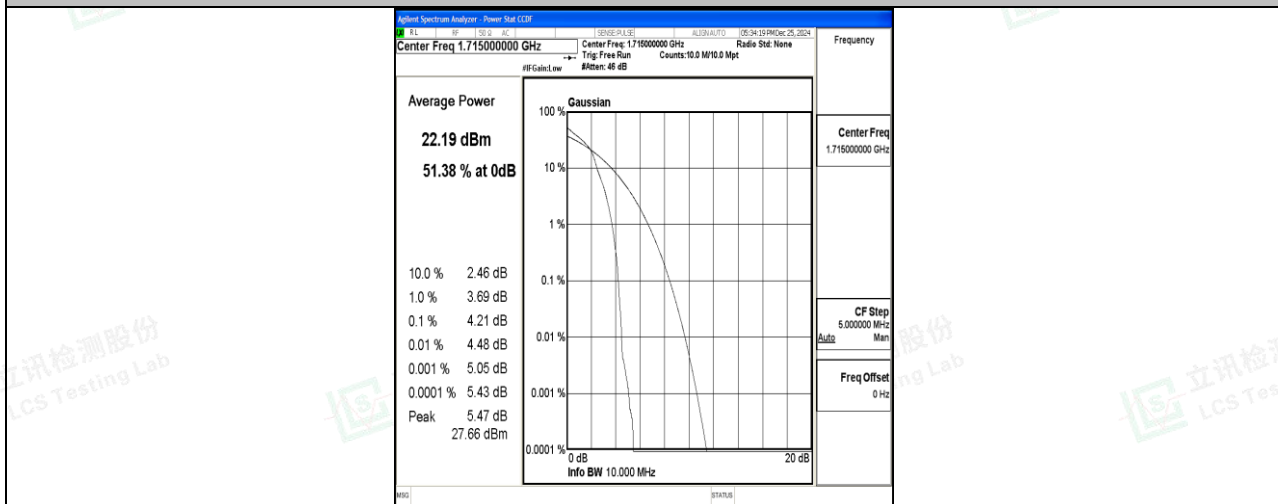
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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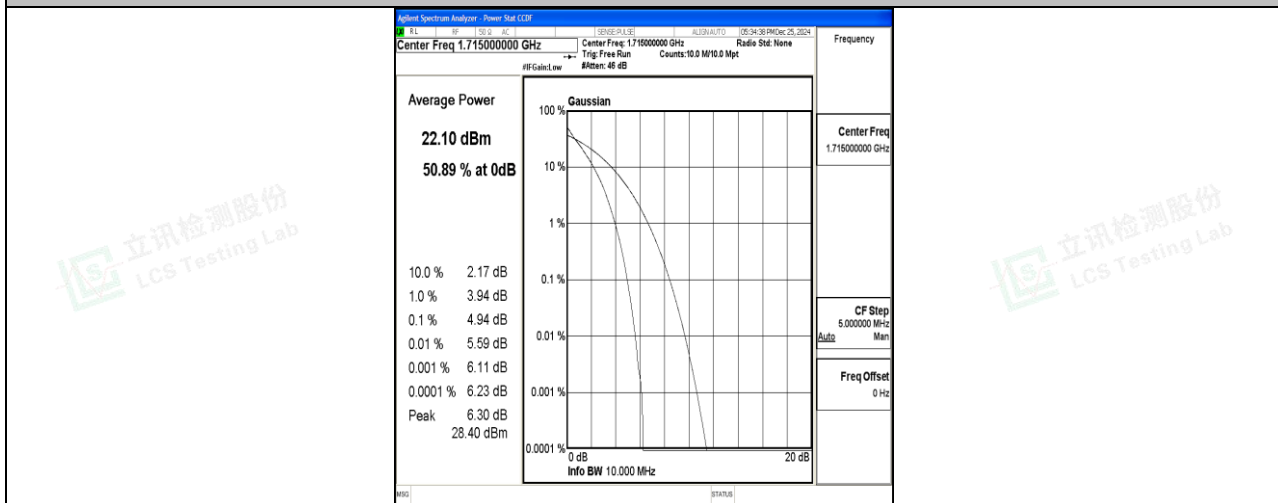
Scan code to check authenticity



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



Band4-10MHz-16QAM-20000-1RB#0-PASS



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

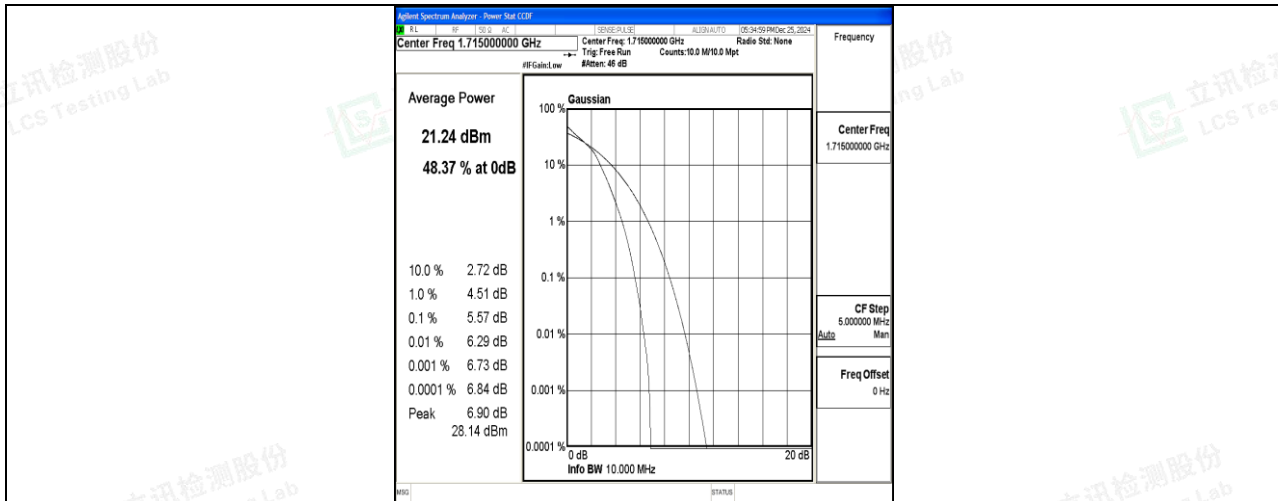


Shenzhen LCS Compliance Testing Laboratory Ltd.

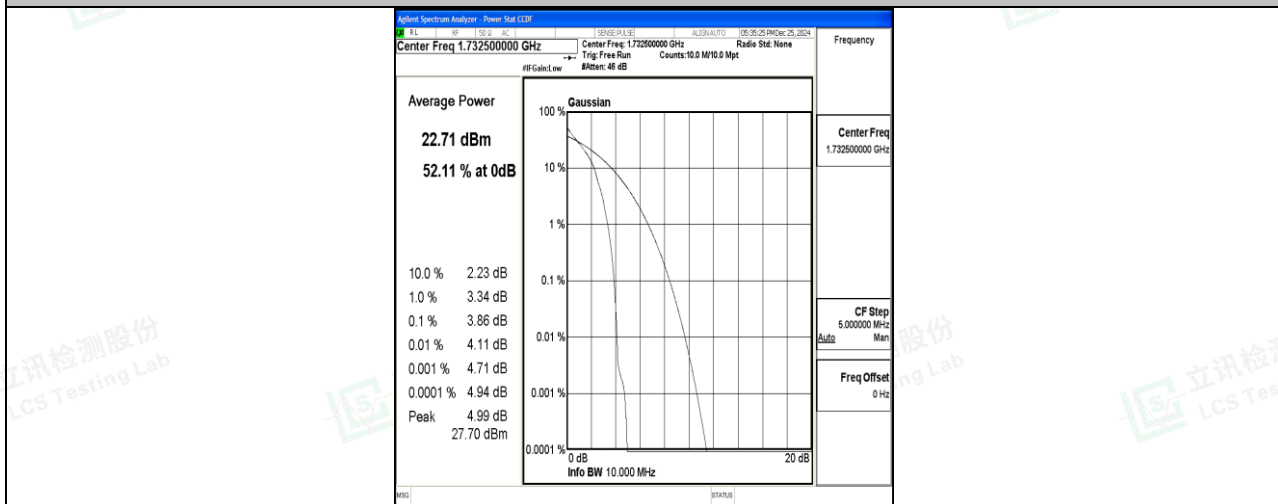
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

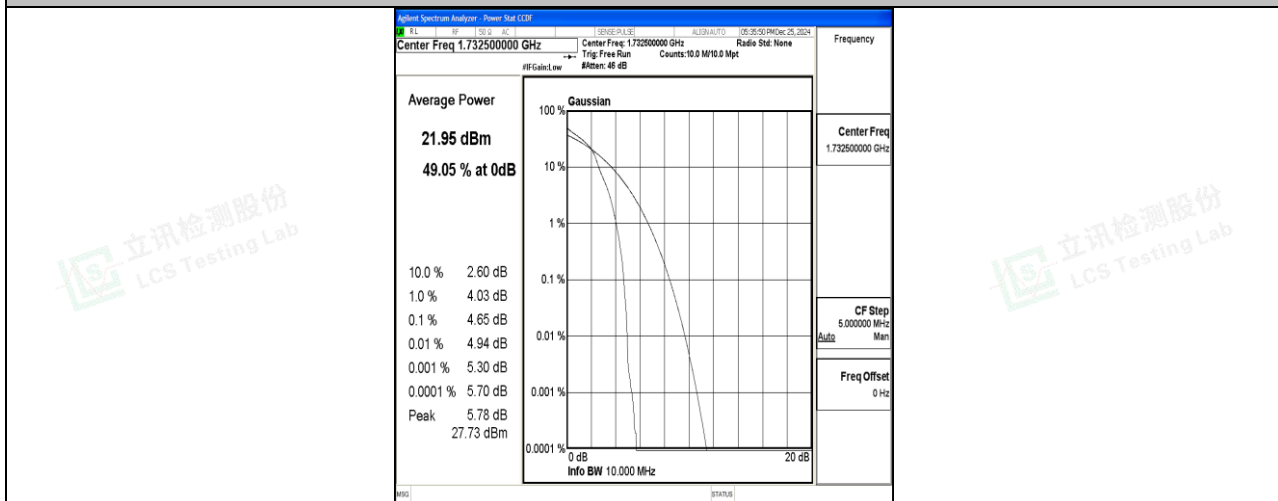
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Band4-10MHz-16QAM-20000-50RB#0-PASS



Band4-10MHz-QPSK-20175-1RB#0-PASS



Band4-10MHz-16QAM-20175-1RB#0-PASS

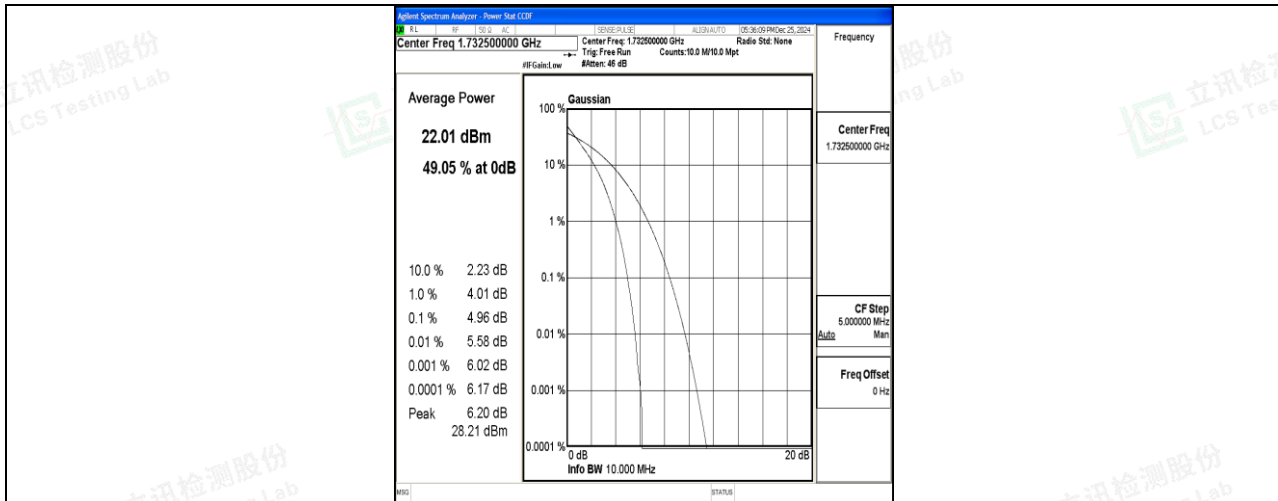


Shenzhen LCS Compliance Testing Laboratory Ltd.

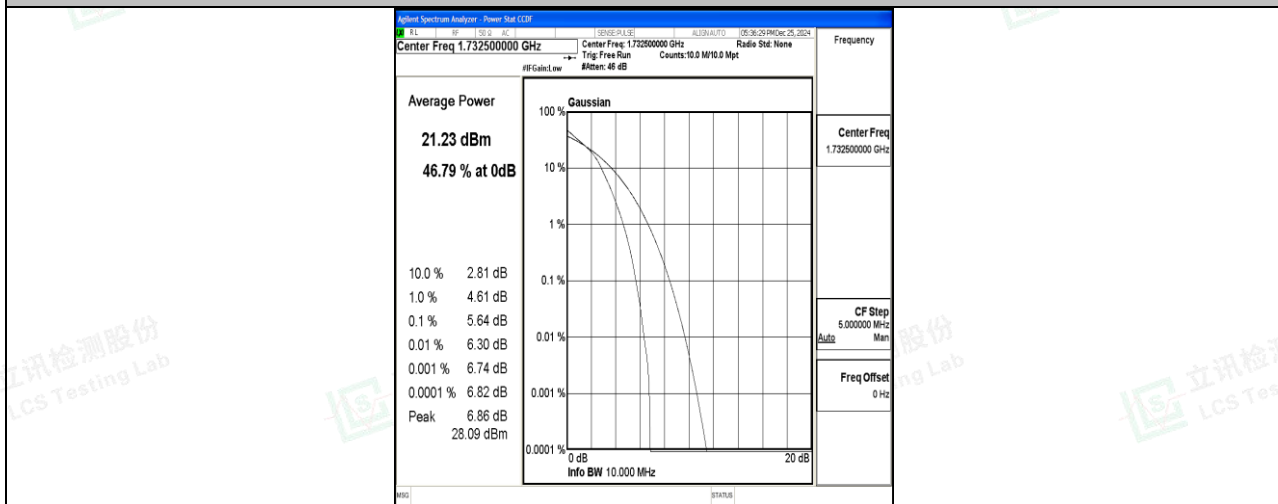
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

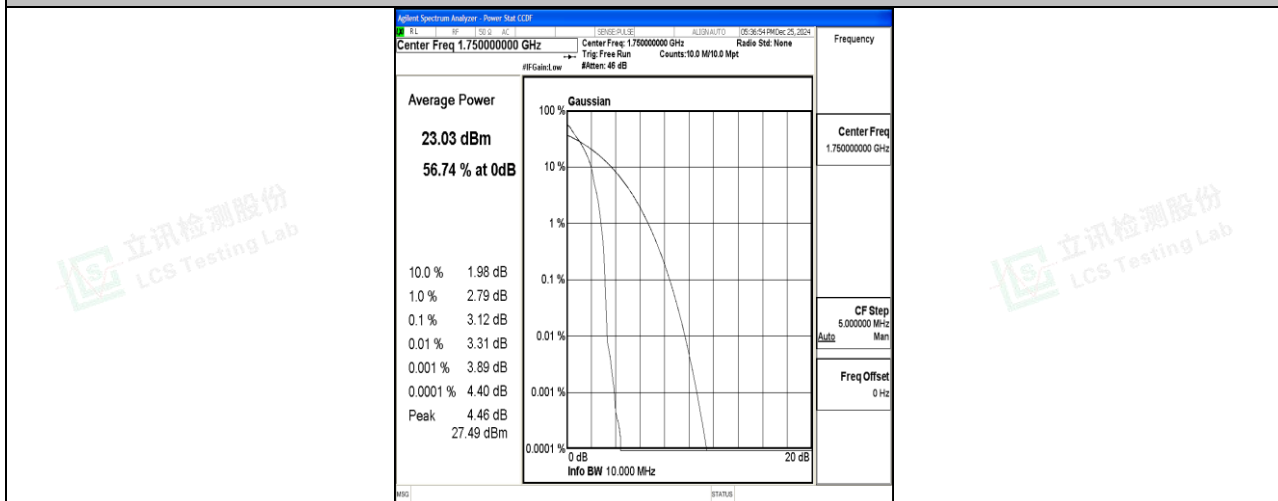
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Band4-10MHz-QPSK-20175-50RB#0-PASS



Band4-10MHz-16QAM-20175-50RB#0-PASS



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

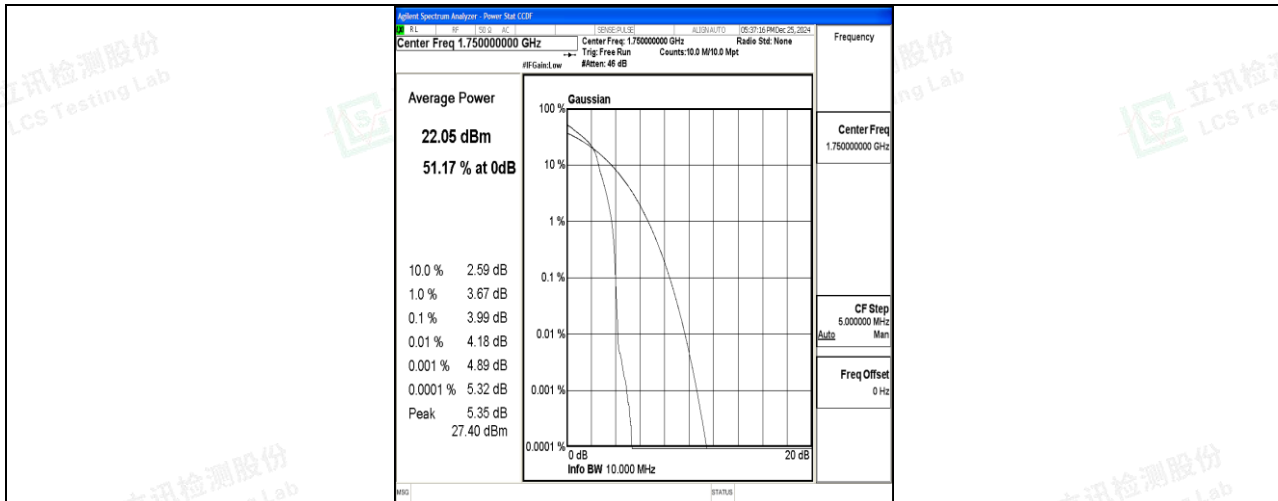


Shenzhen LCS Compliance Testing Laboratory Ltd.

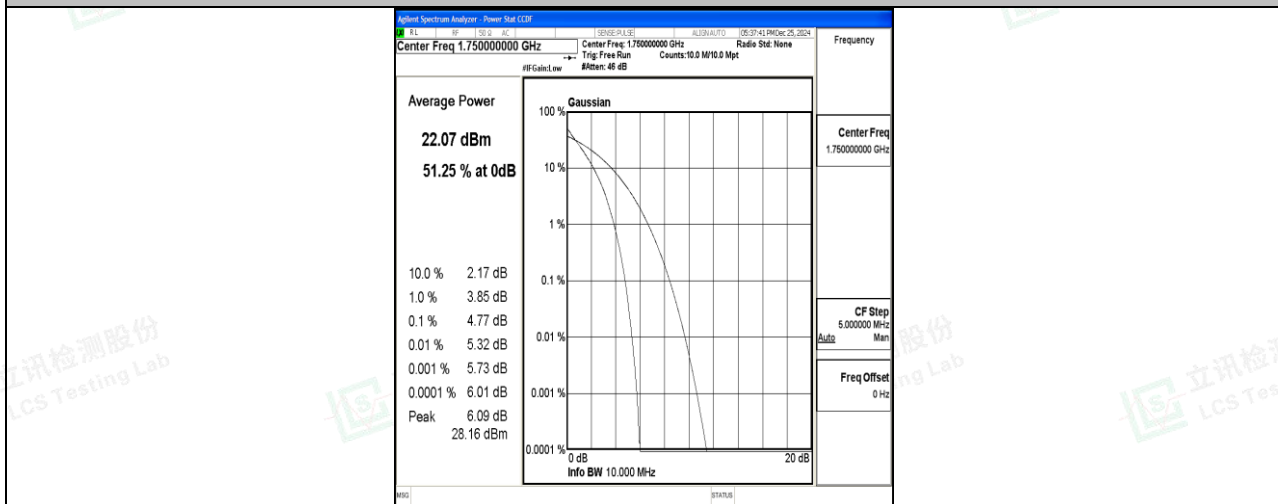
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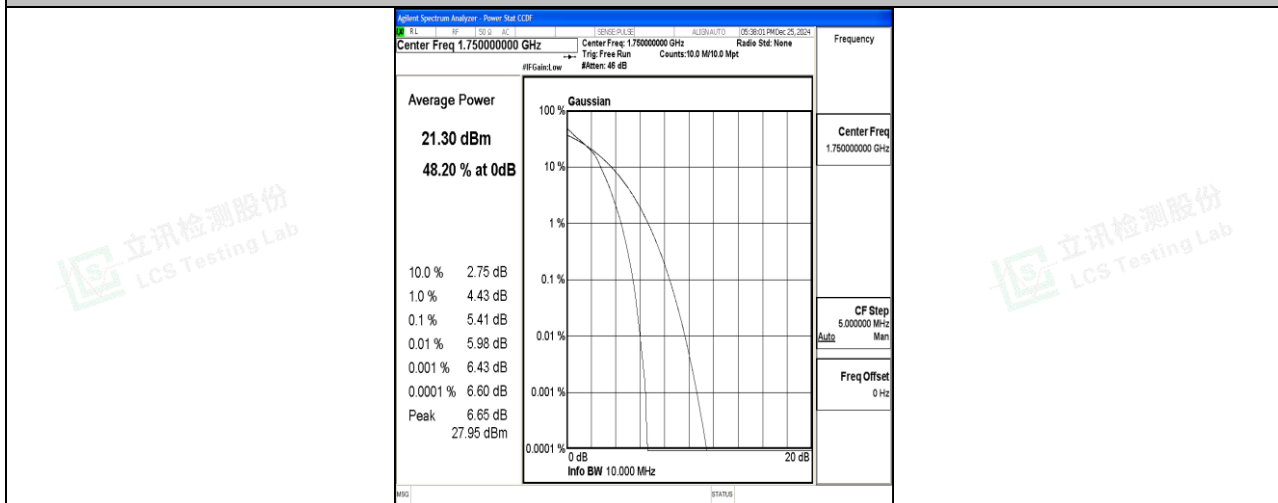
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Band4-10MHz-16QAM-20350-1RB#0-PASS



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



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

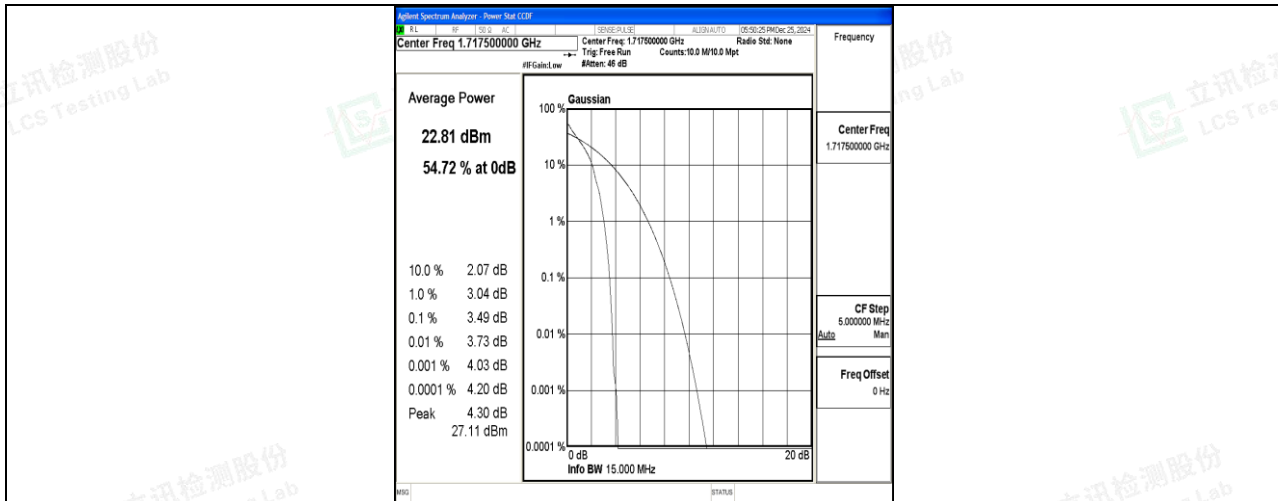


Shenzhen LCS Compliance Testing Laboratory Ltd.

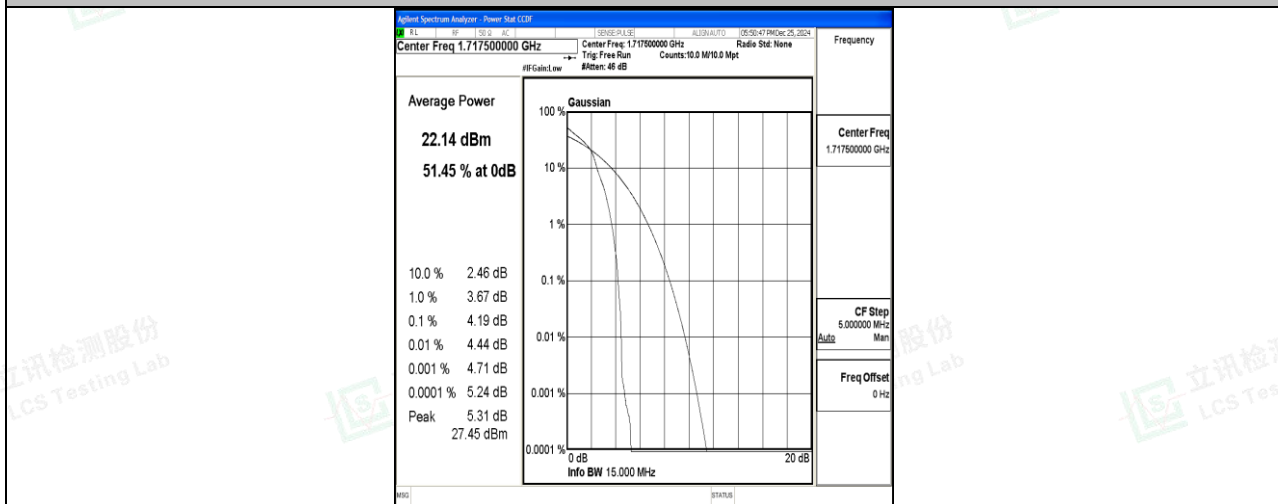
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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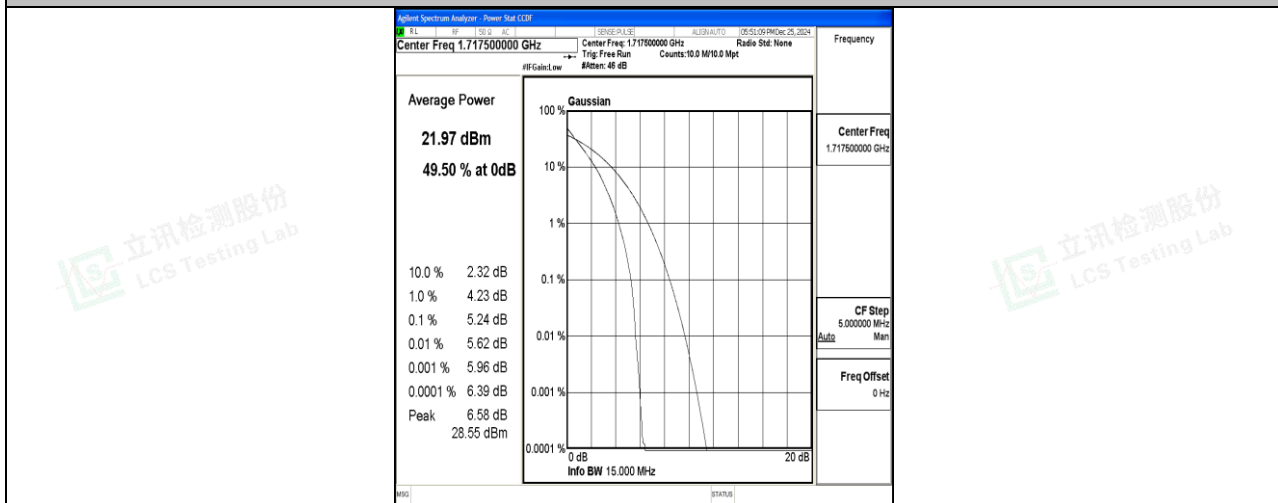
Scan code to check authenticity



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

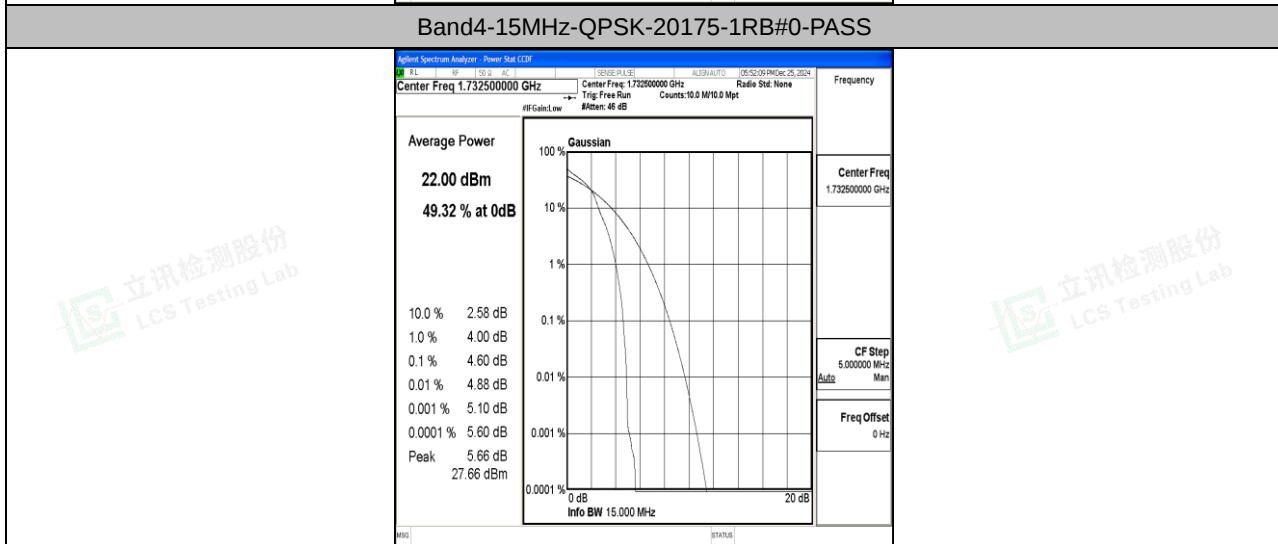
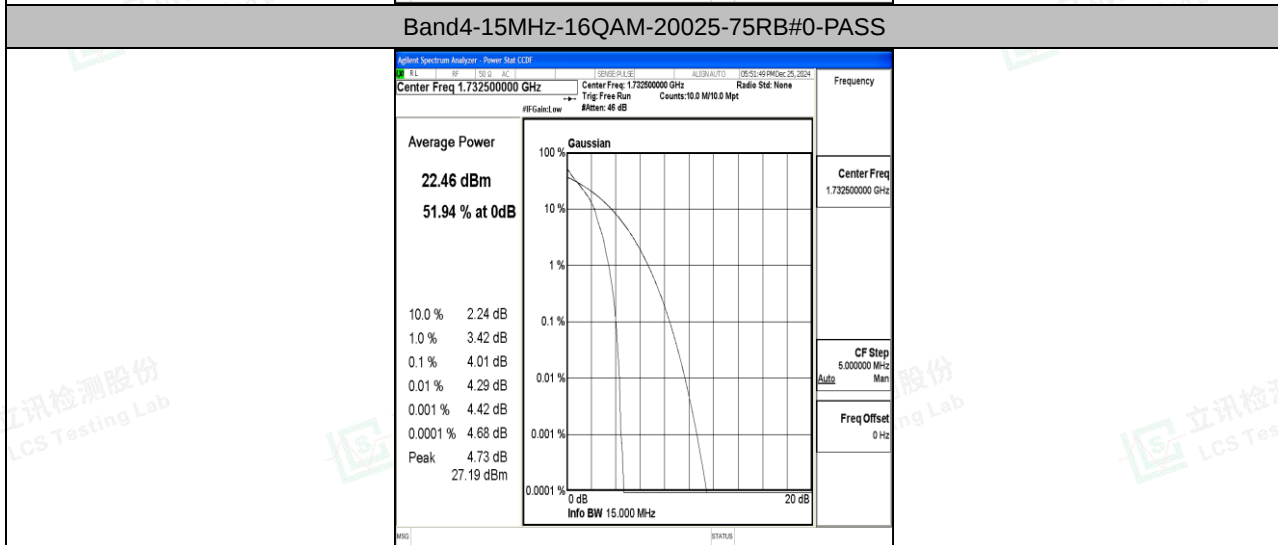
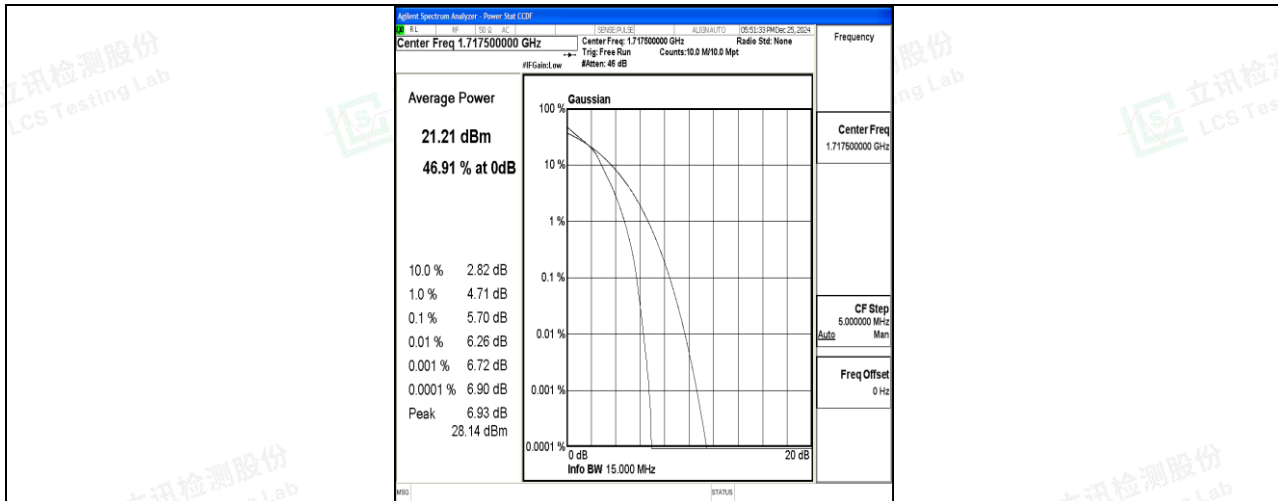


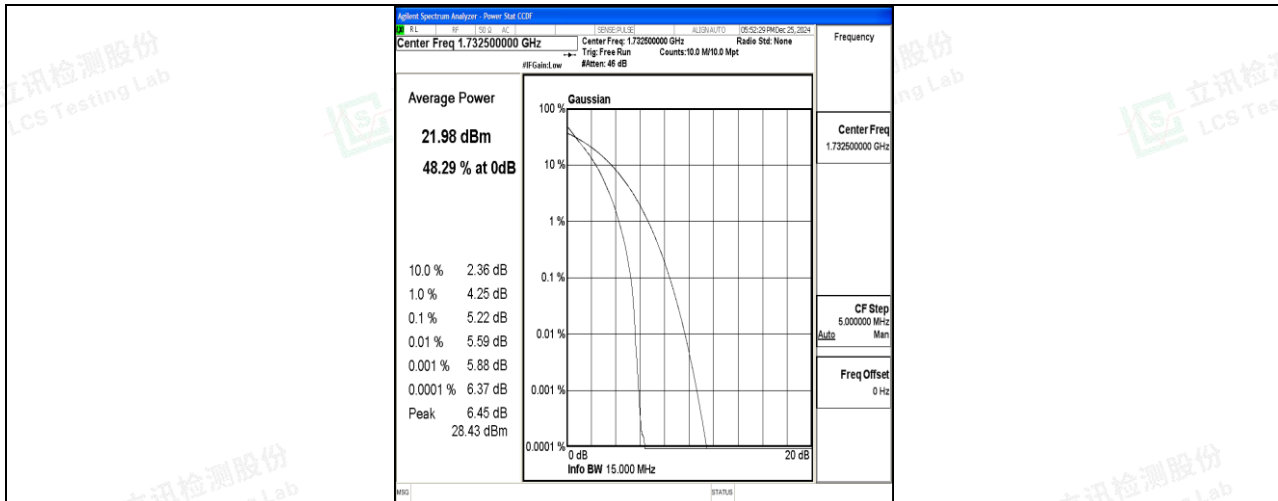
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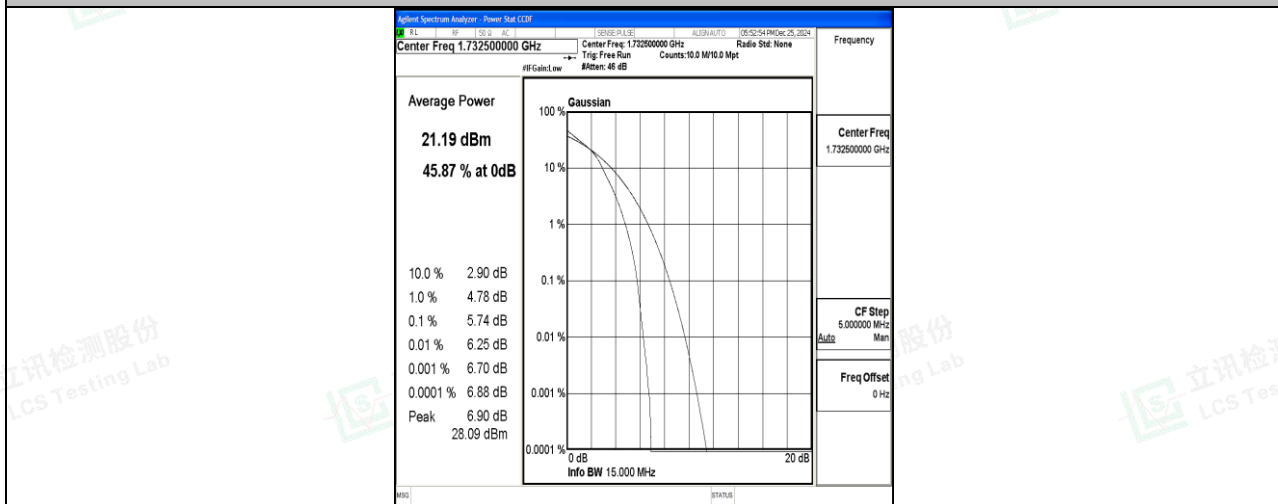
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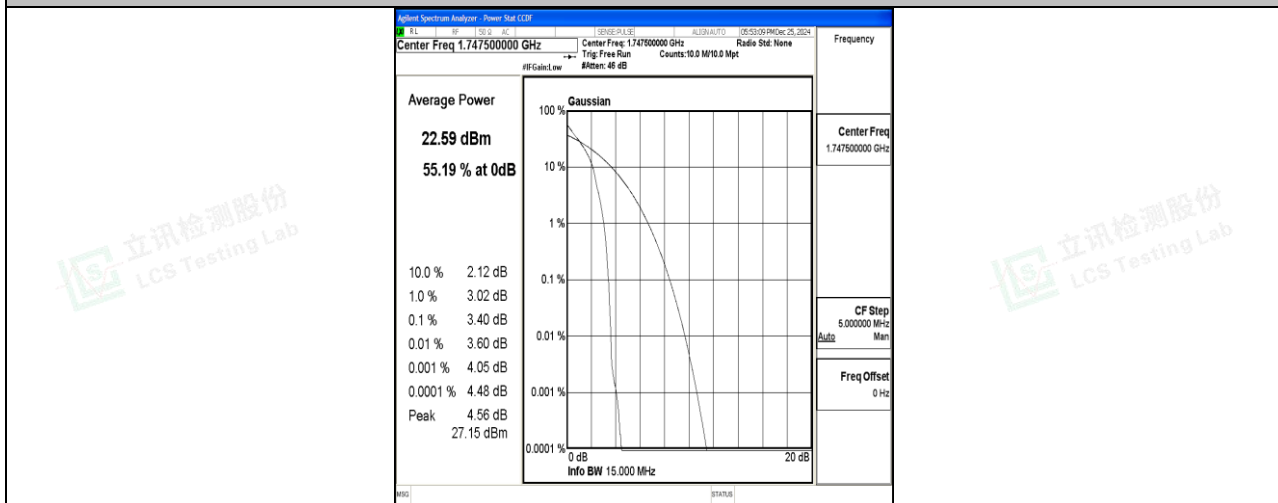




Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-75RB#0-PASS



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

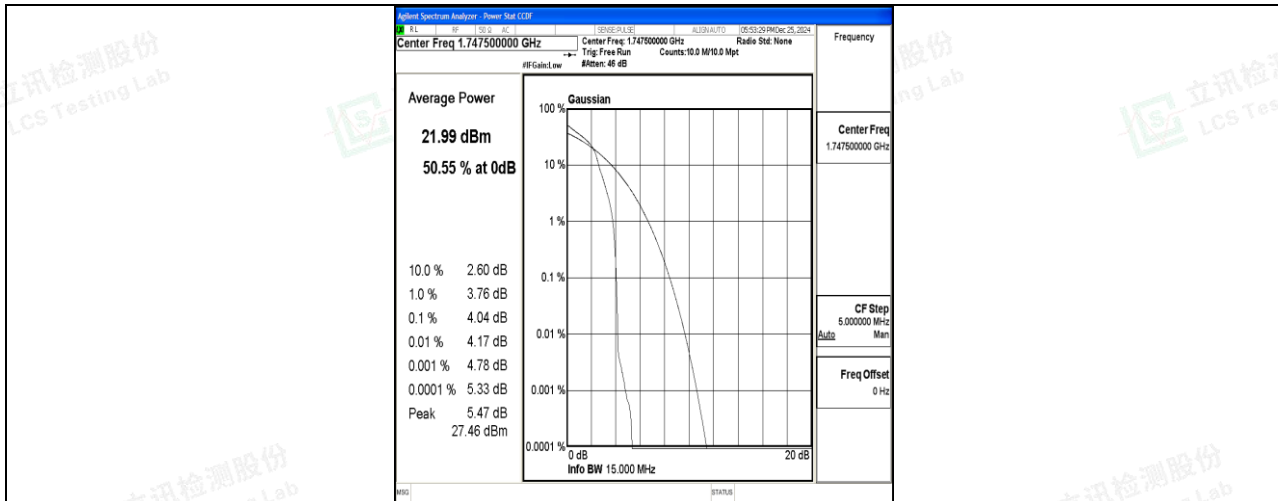


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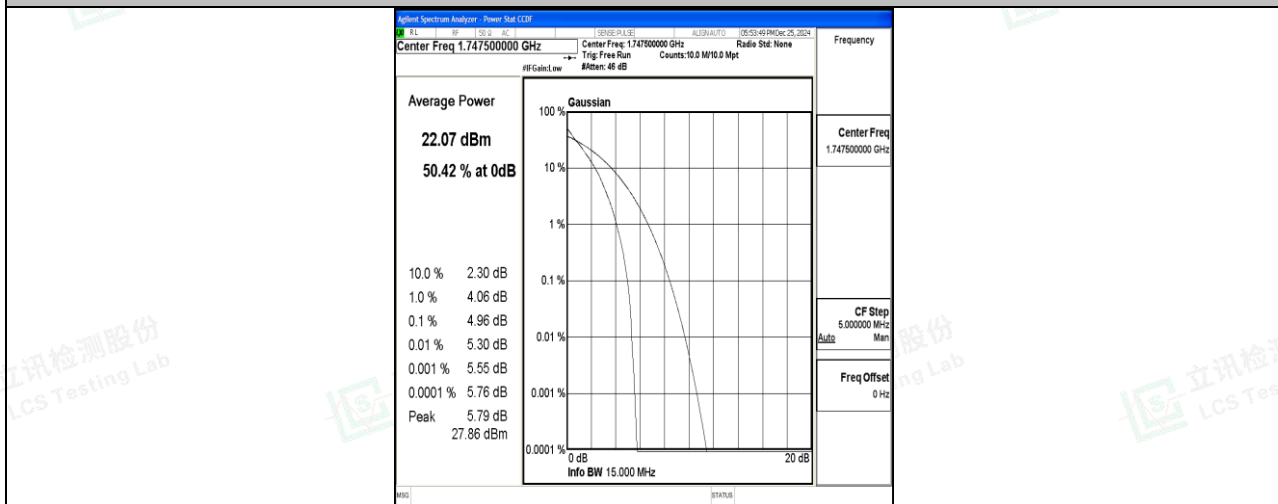
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

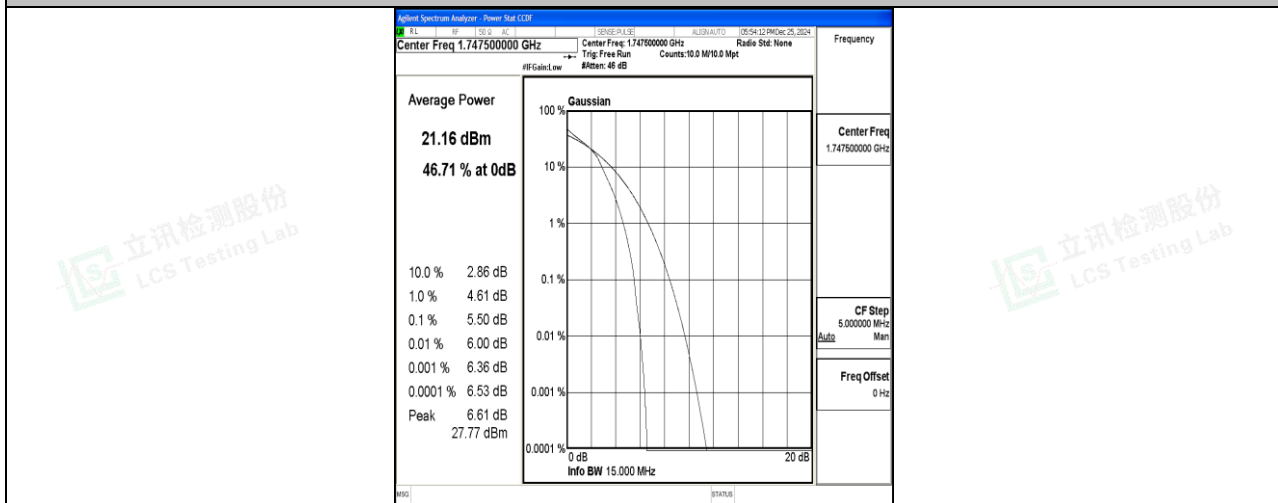
Scan code to check authenticity



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



Band4-15MHz-QPSK-20325-75RB#0-PASS



Band4-15MHz-16QAM-20325-75RB#0-PASS

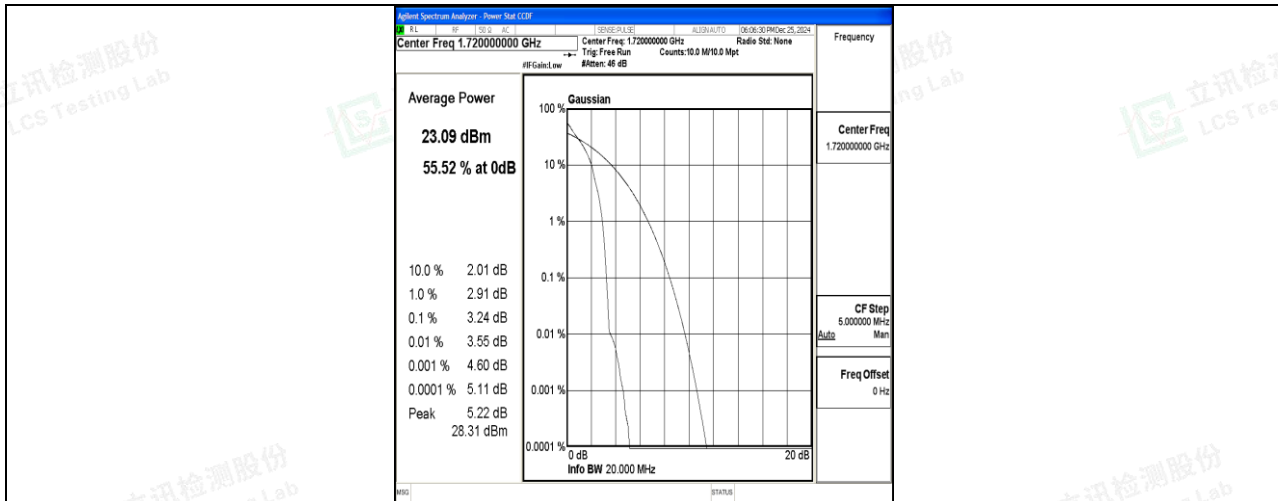


Shenzhen LCS Compliance Testing Laboratory Ltd.

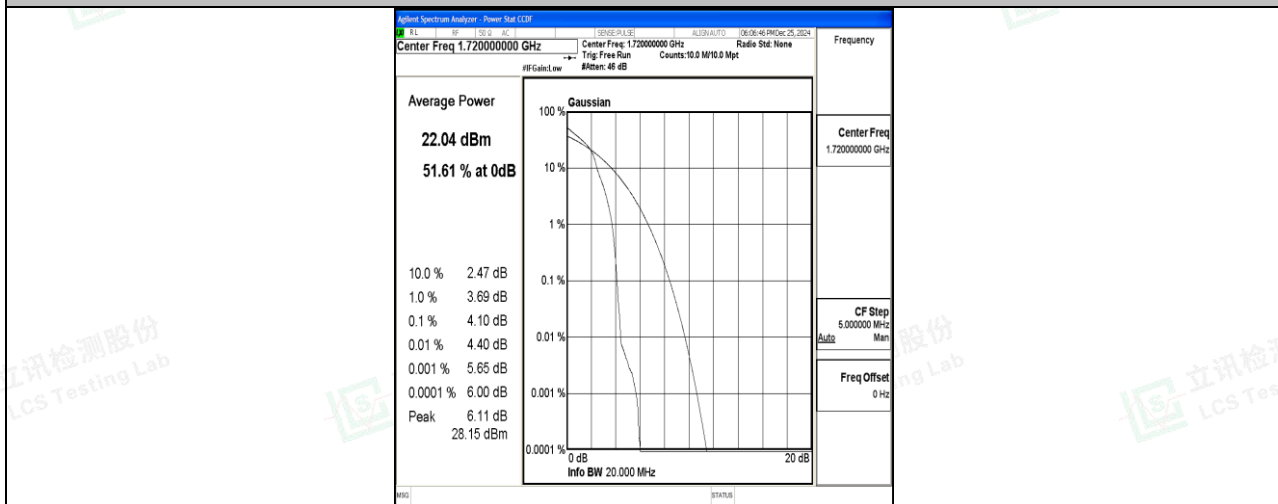
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

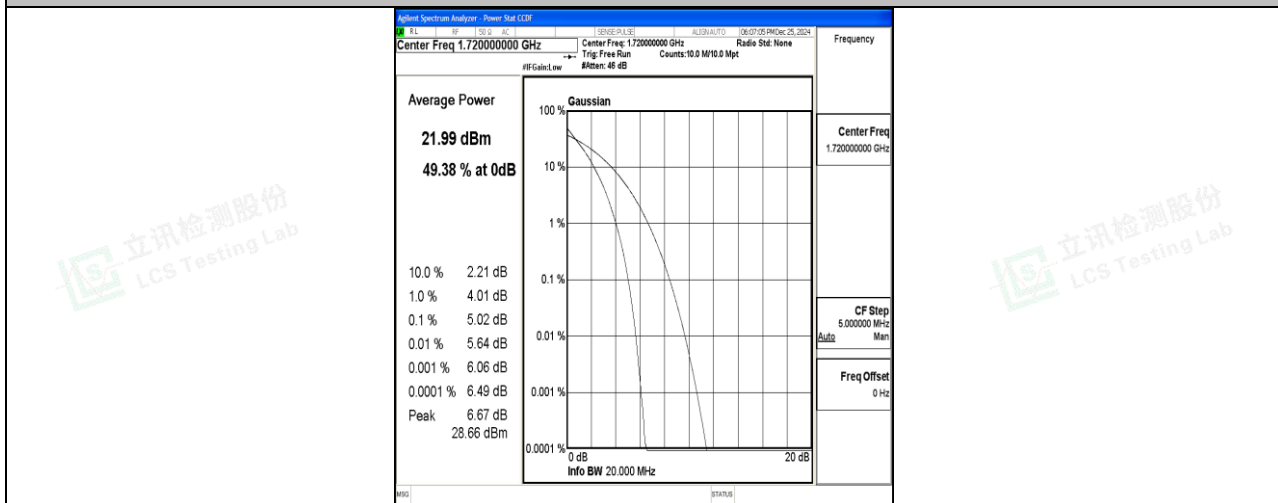
Scan code to check authenticity



Band4-20MHz-QPSK-20050-1RB#0-PASS



Band4-20MHz-16QAM-20050-1RB#0-PASS



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

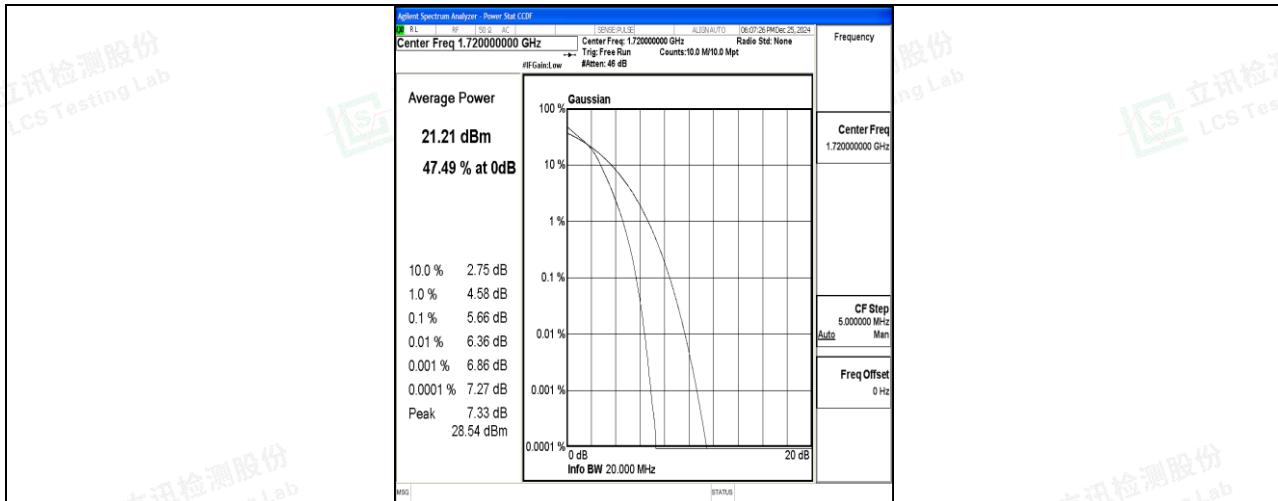


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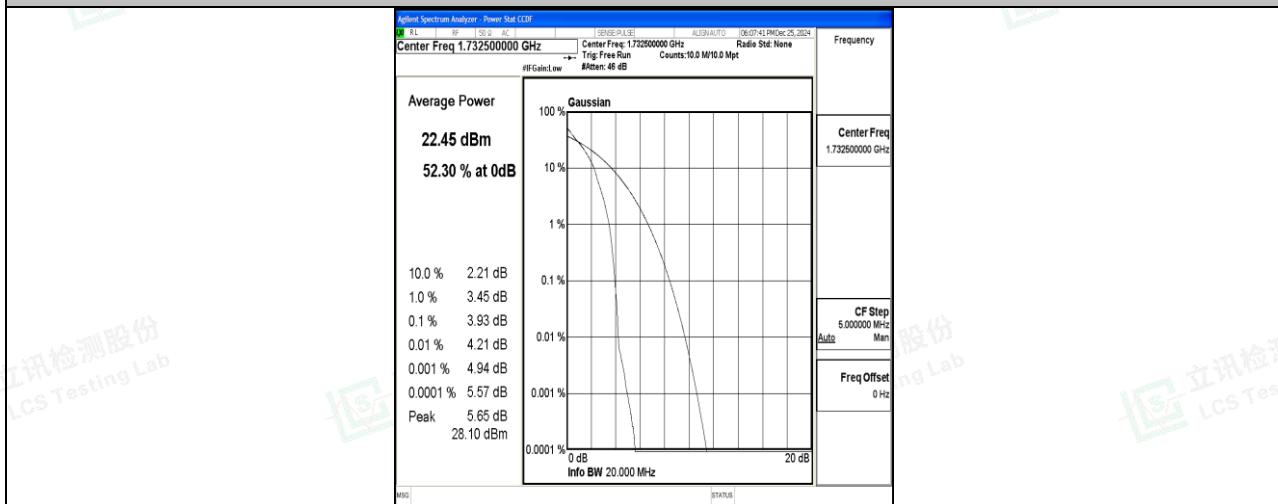
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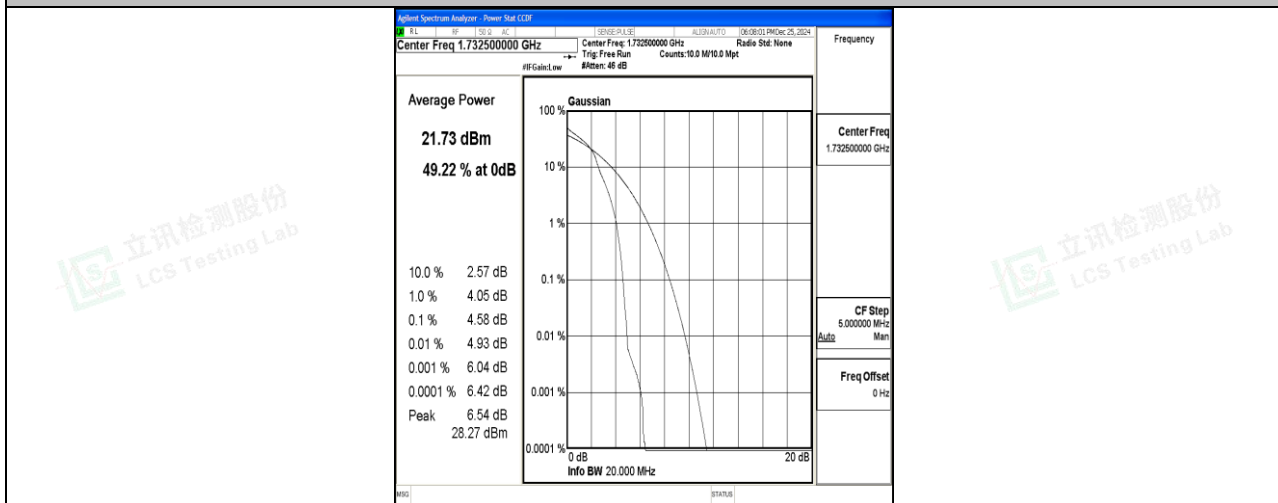
Scan code to check authenticity



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



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



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

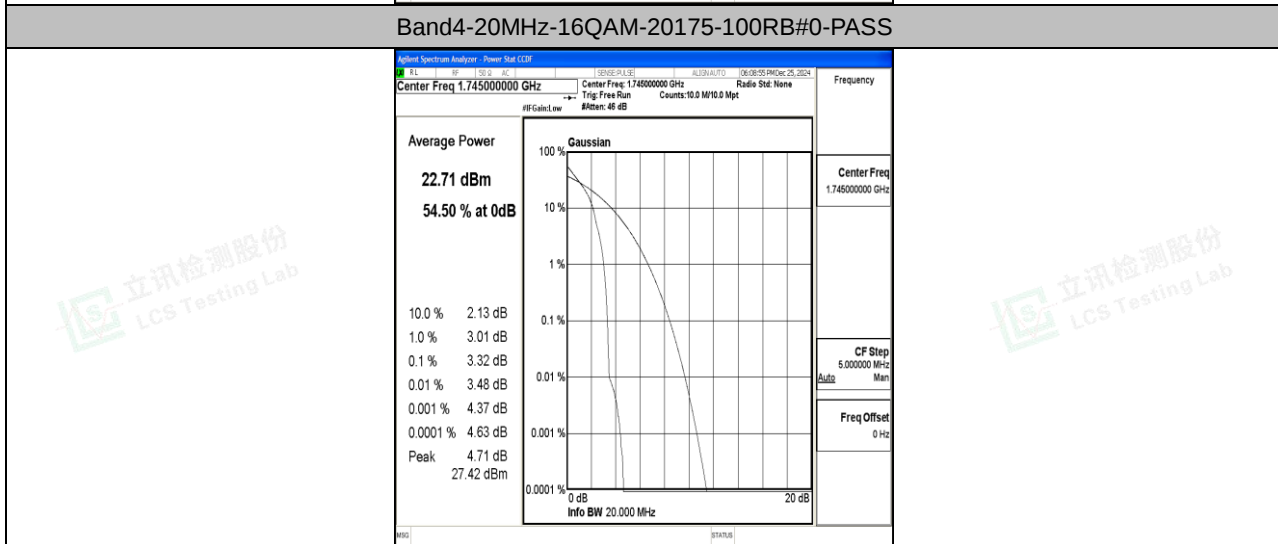
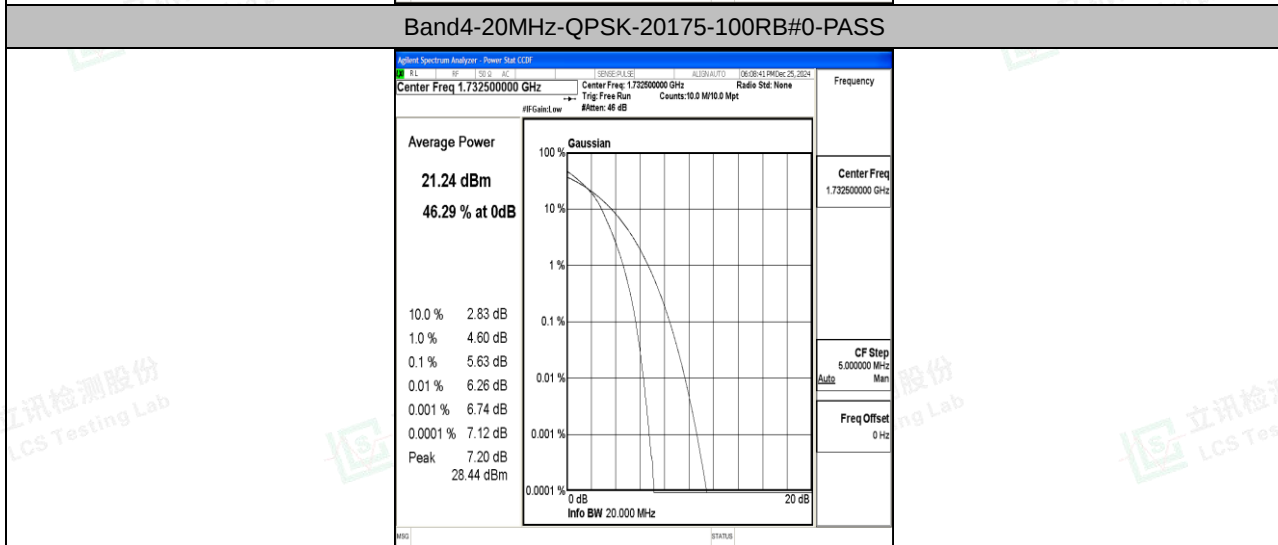
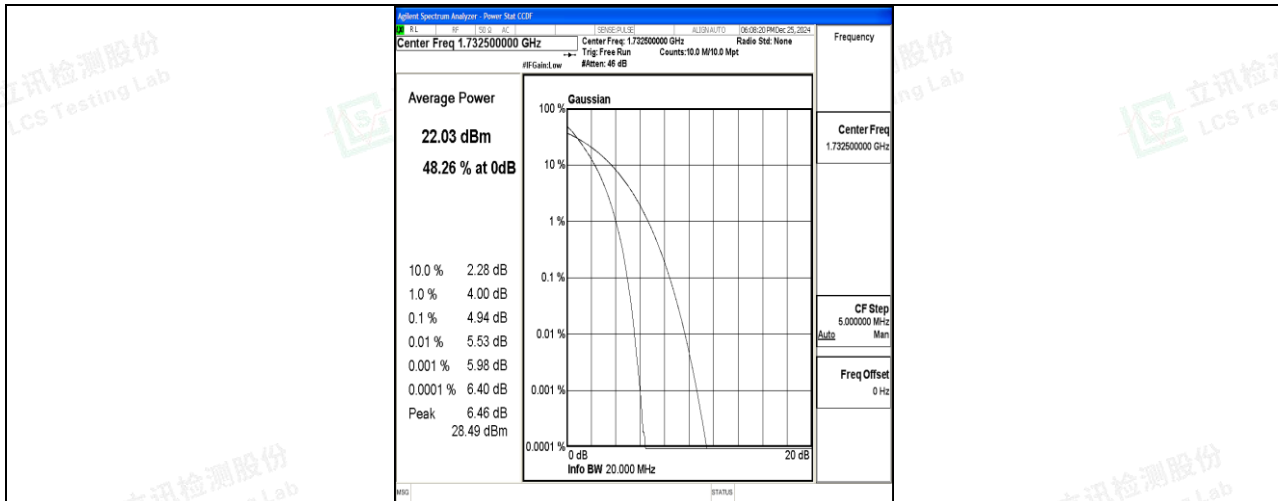


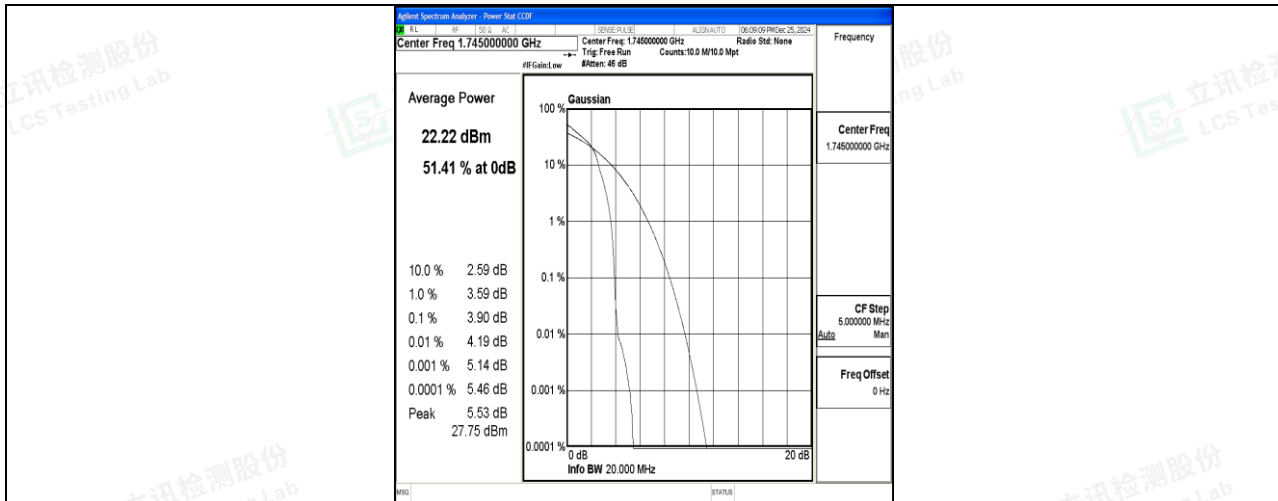
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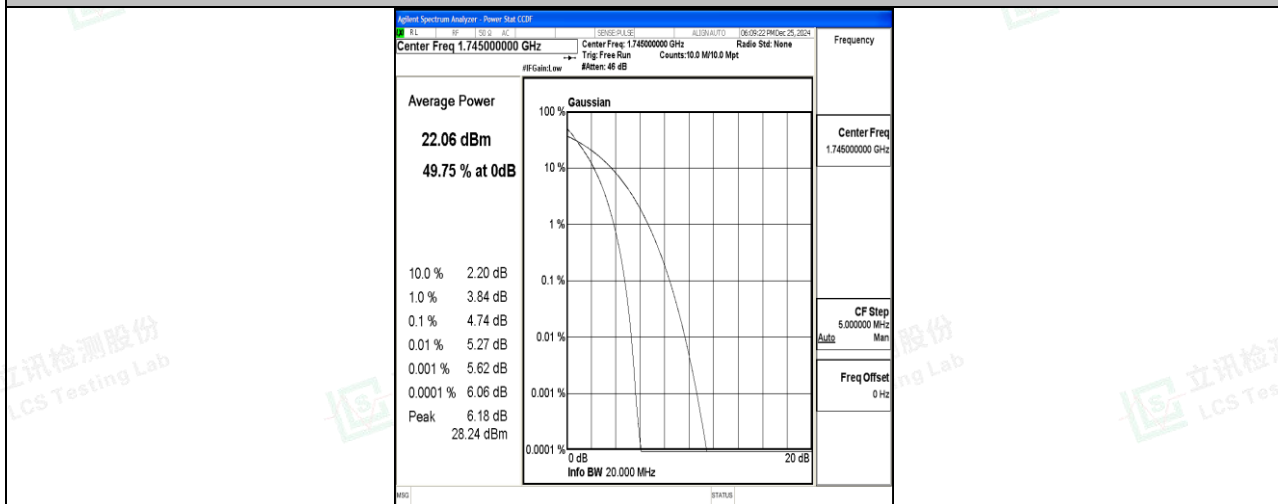
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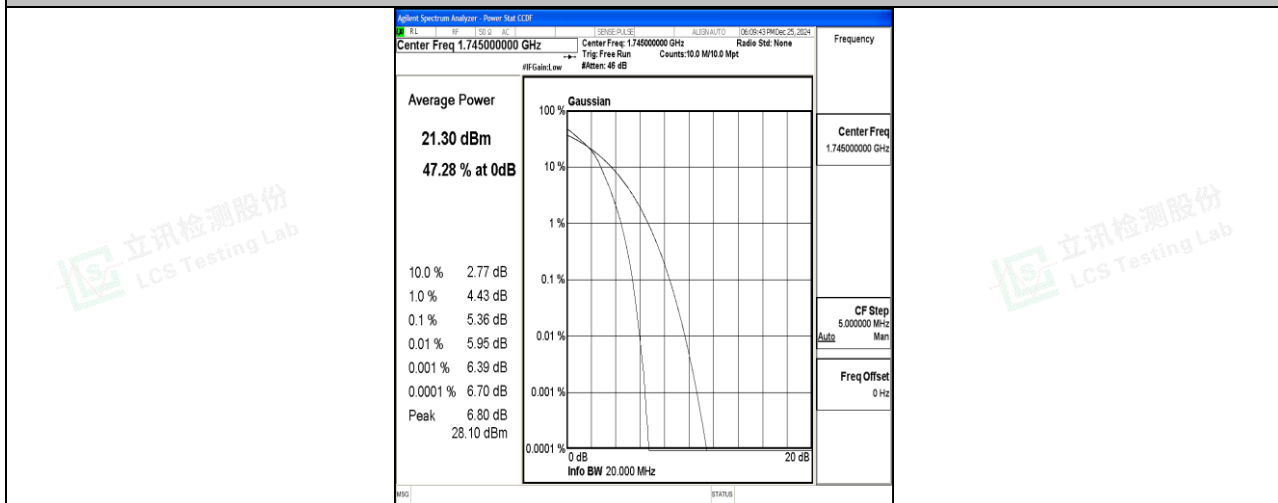




Band4-20MHz-16QAM-20300-1RB#0-PASS



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



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



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I.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	1.0927	1.352	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1069	1.377	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0927	1.401	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0959	1.345	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0994	1.377	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1020	1.351	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7633	3.447	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7646	3.198	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7708	3.487	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7491	3.323	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7703	3.686	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7467	3.349	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5317	5.455	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5217	5.353	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5208	5.345	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5191	5.303	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5155	5.392	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5292	5.316	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0102	10.07	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0056	10.24	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9864	10.04	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0061	10.20	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0238	10.40	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0187	10.47	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.524	15.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.539	15.30	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.542	15.37	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.502	15.05	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.531	15.78	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.497	14.83	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.034	20.35	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.043	20.17	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.049	20.15	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.016	19.93	PASS



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Band4	20MHz	QPSK	20300	100RB#0	18.029	20.44	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.007	20.54	PASS





Test Graphs

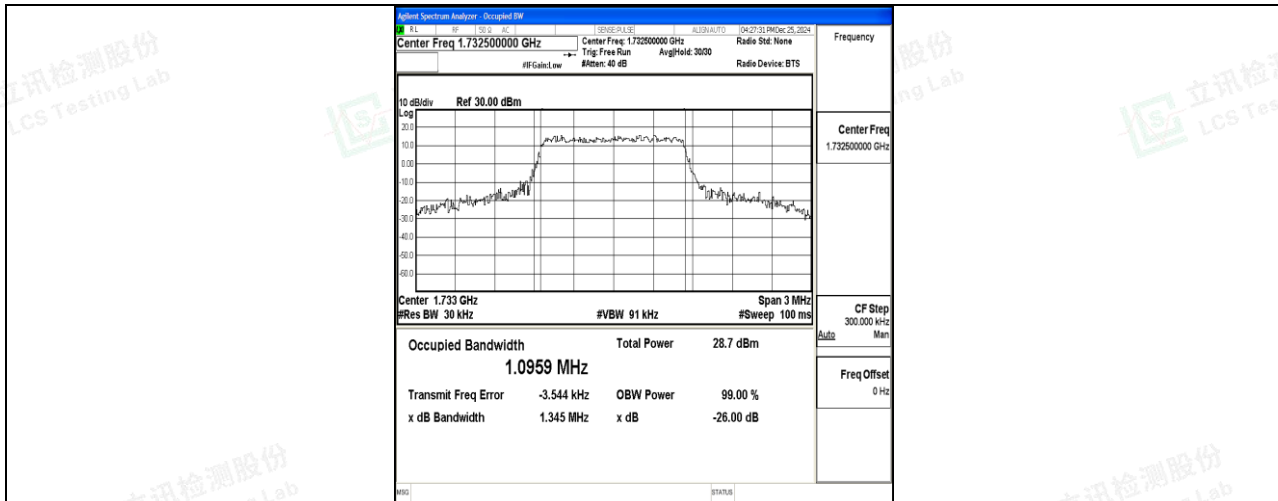


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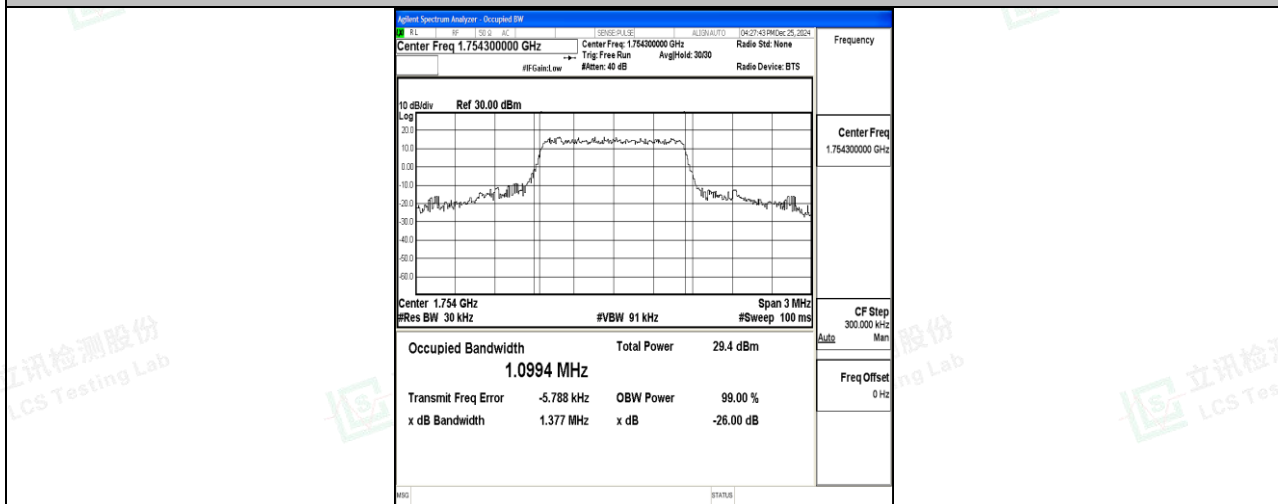
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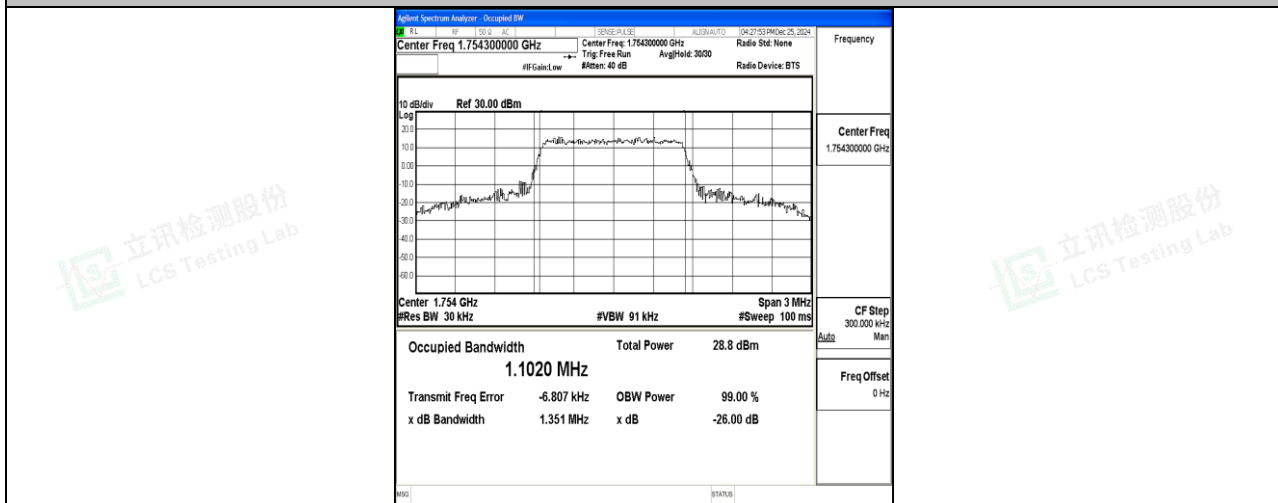
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Band4-1.4MHz-16QAM-20175-6RB#0-PASS



Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-16QAM-20393-6RB#0-PASS

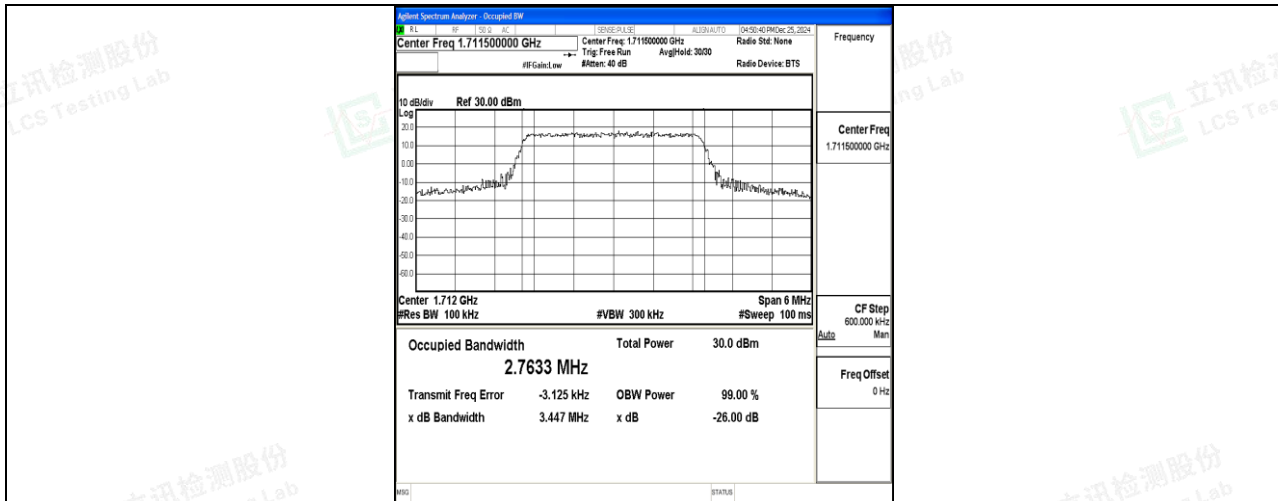


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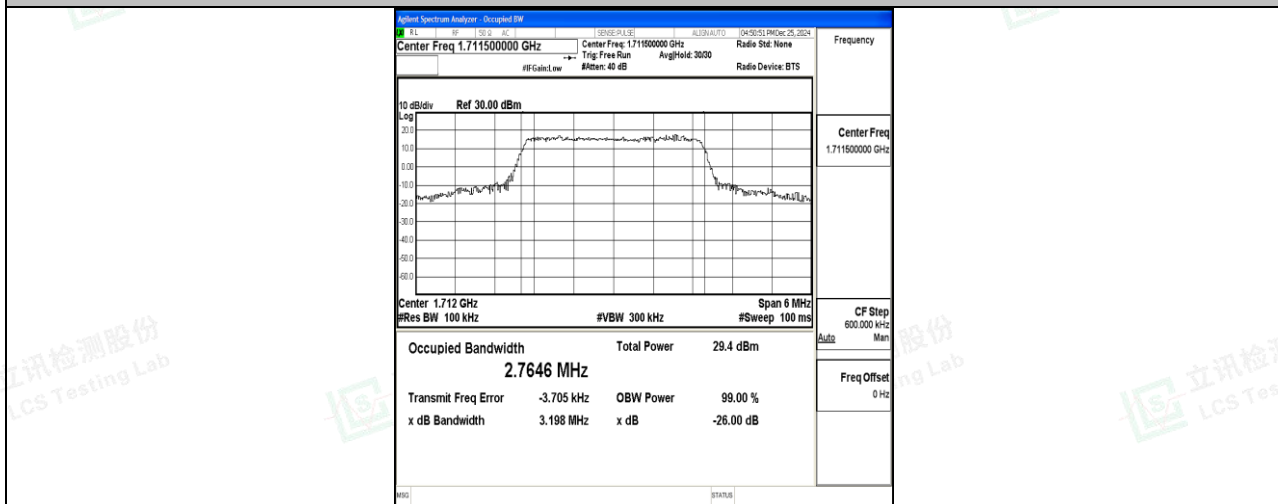
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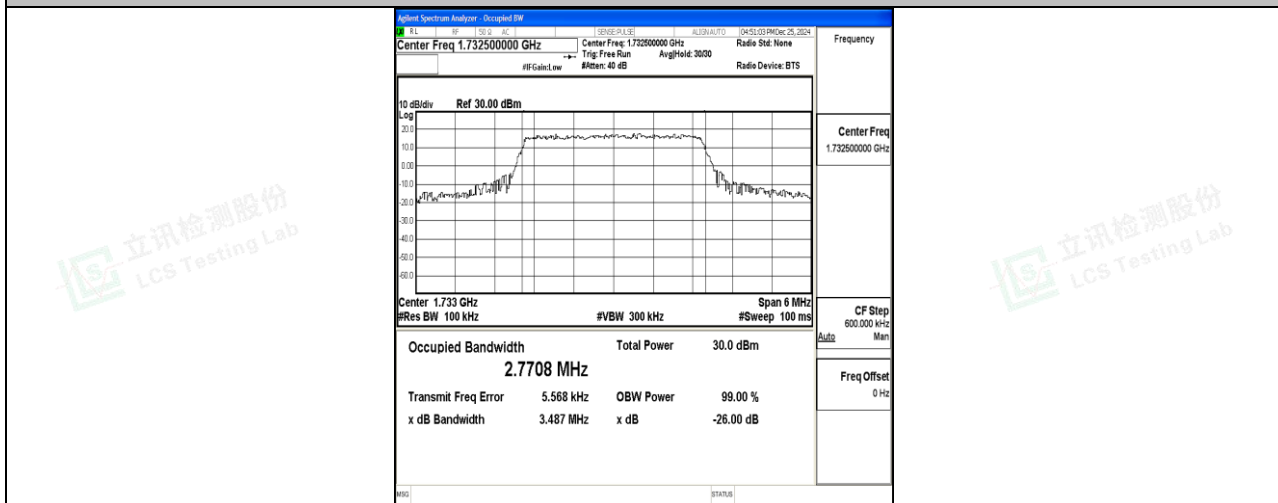
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Band4-3MHz-QPSK-19965-15RB#0-PASS



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



Band4-3MHz-QPSK-20175-15RB#0-PASS

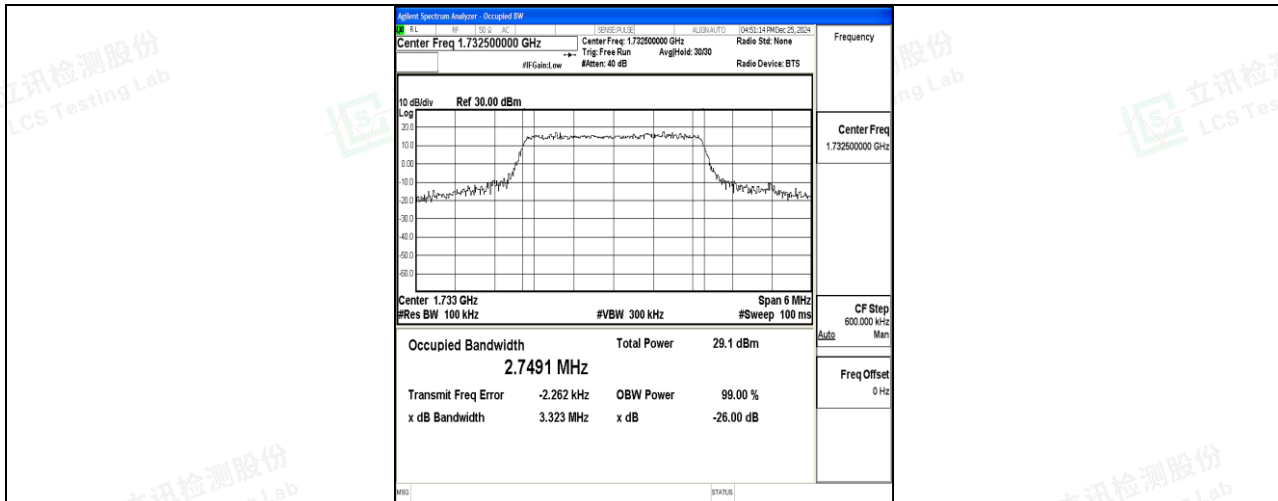


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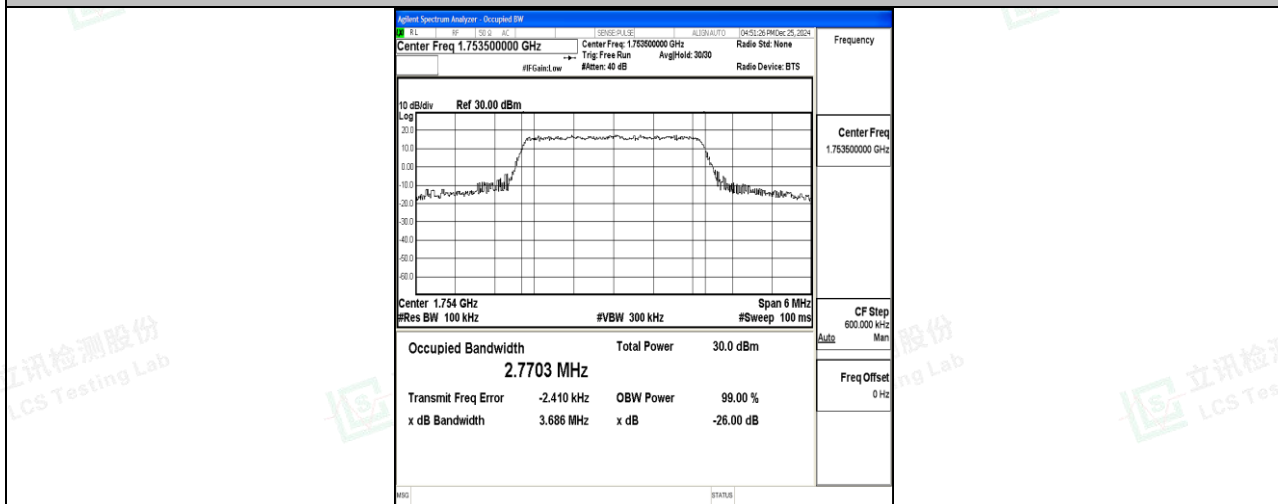
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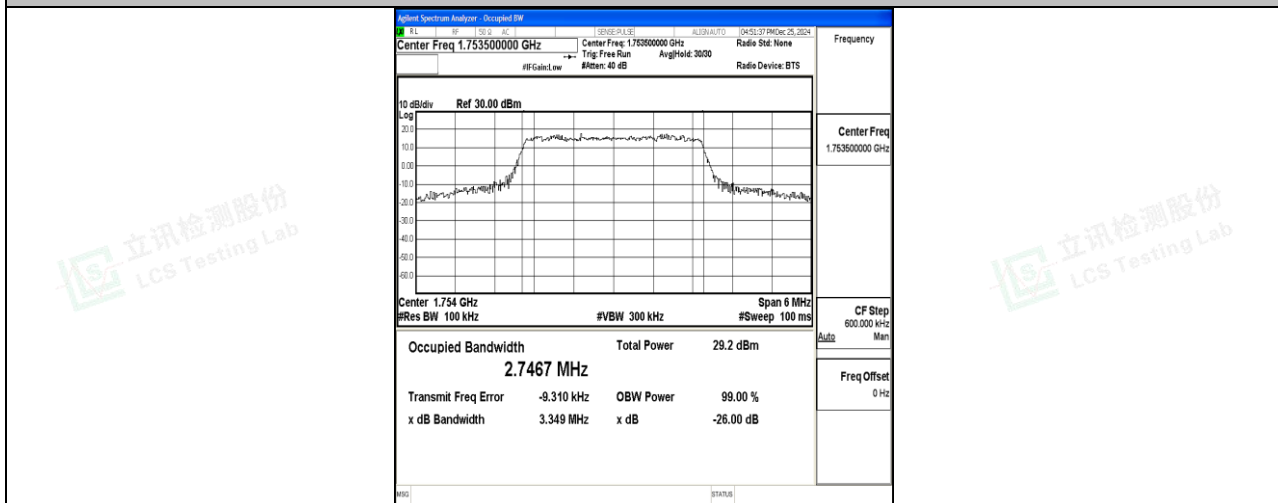
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Band4-3MHz-16QAM-20175-15RB#0-PASS



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



Band4-3MHz-16QAM-20385-15RB#0-PASS

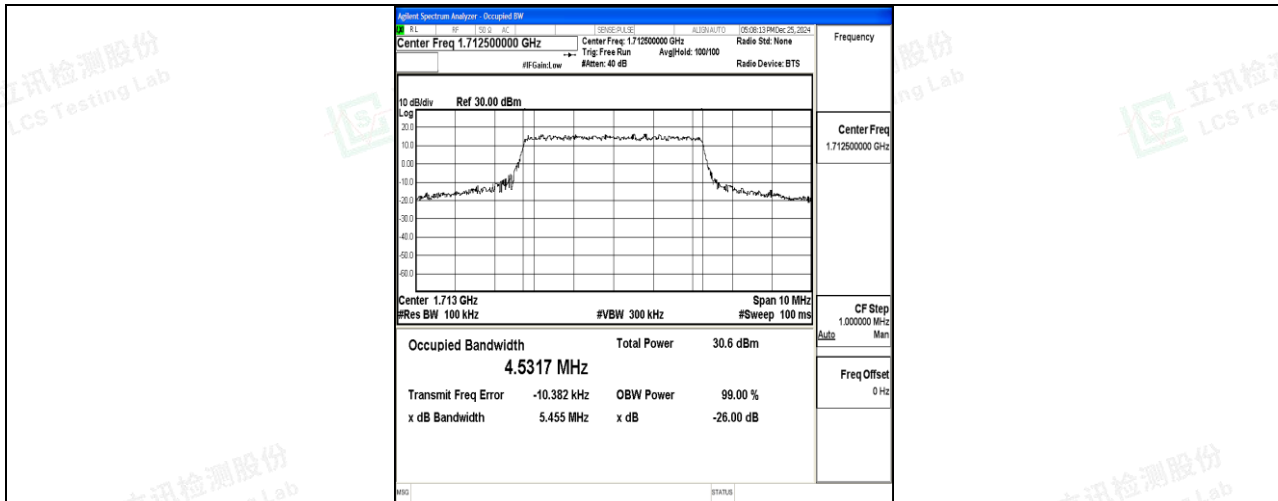


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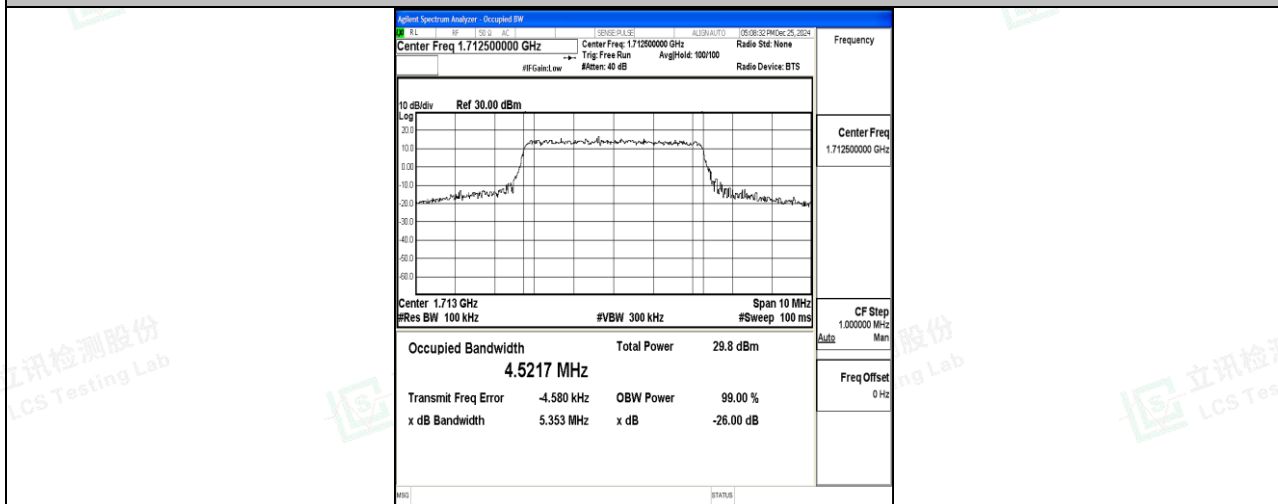
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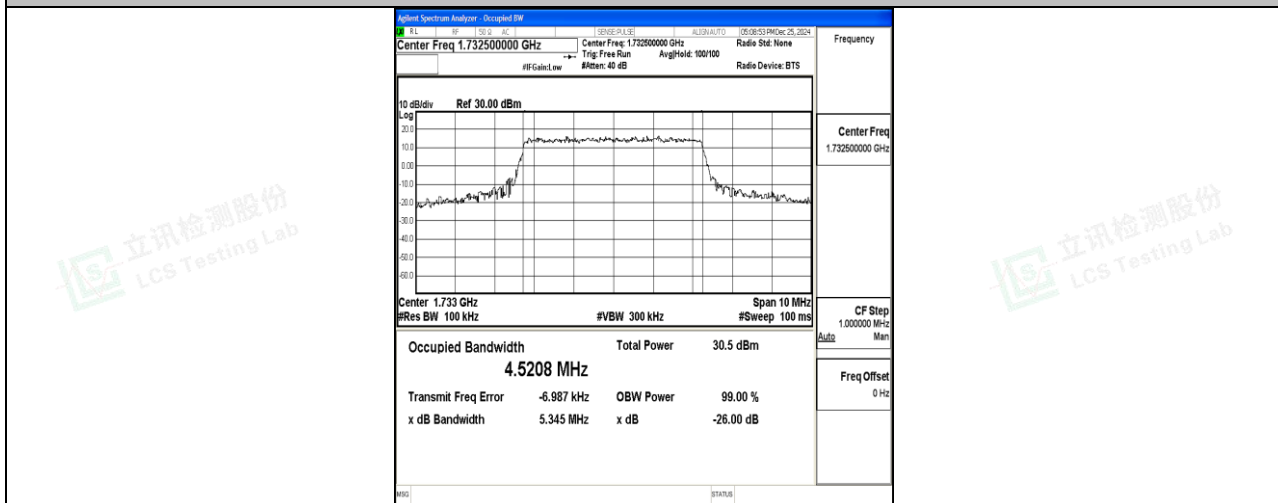
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Band4-5MHz-QPSK-19975-25RB#0-PASS



Band4-5MHz-16QAM-19975-25RB#0-PASS



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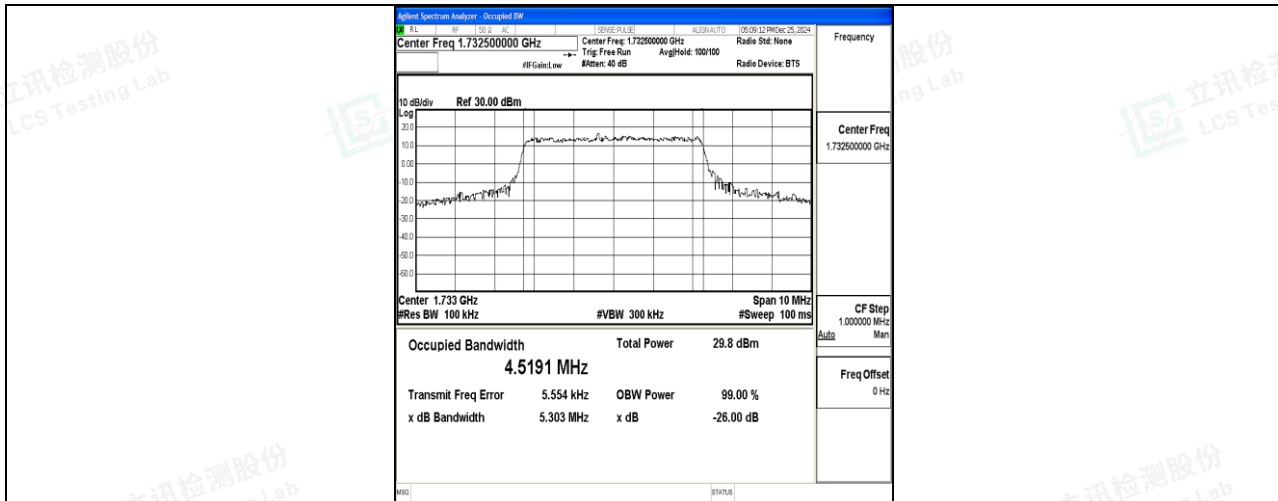


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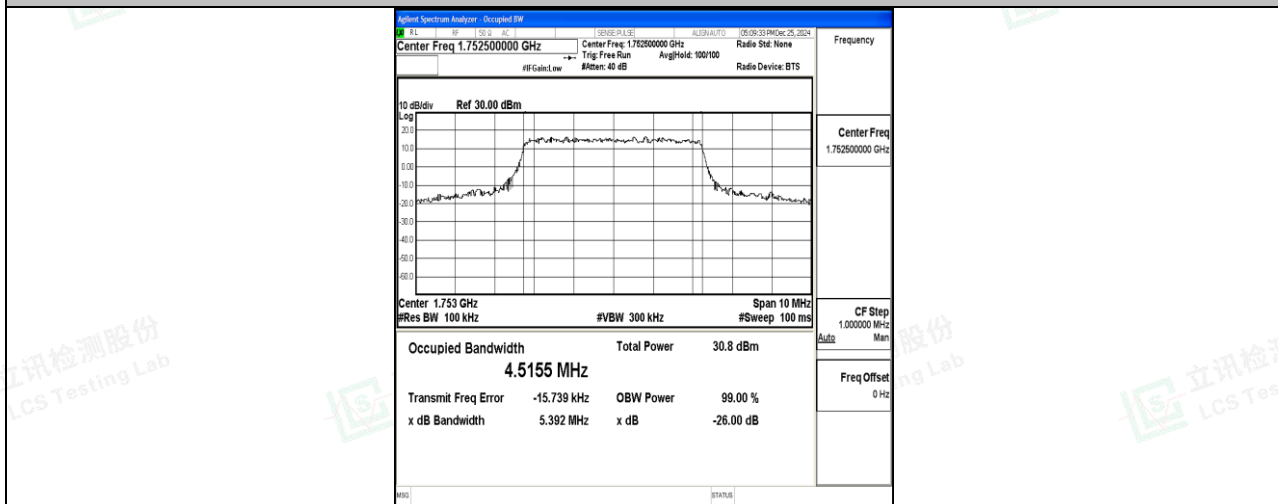
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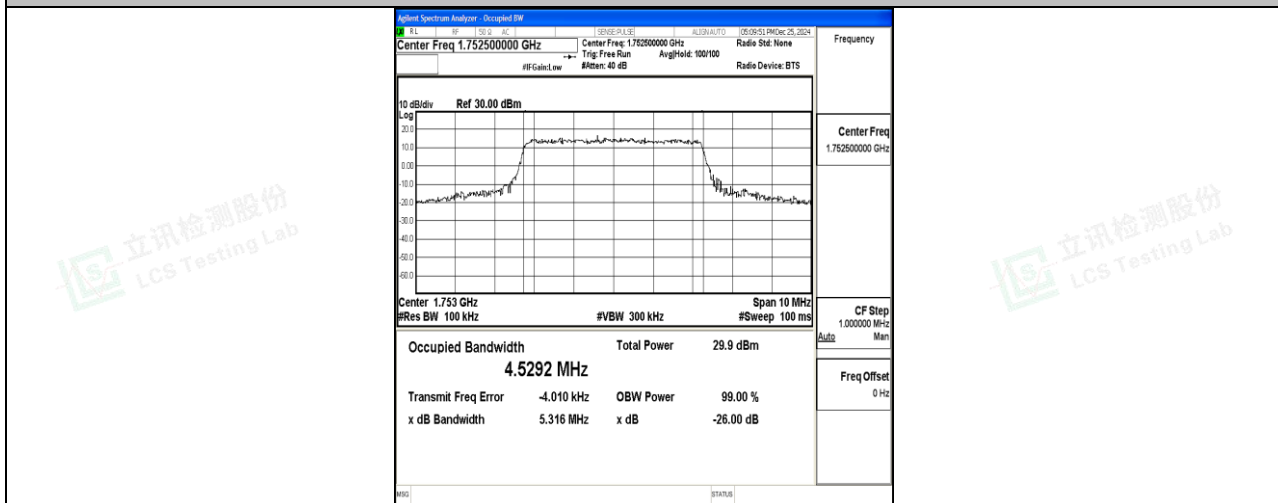
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Band4-5MHz-16QAM-20175-25RB#0-PASS



Band4-5MHz-QPSK-20375-25RB#0-PASS



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

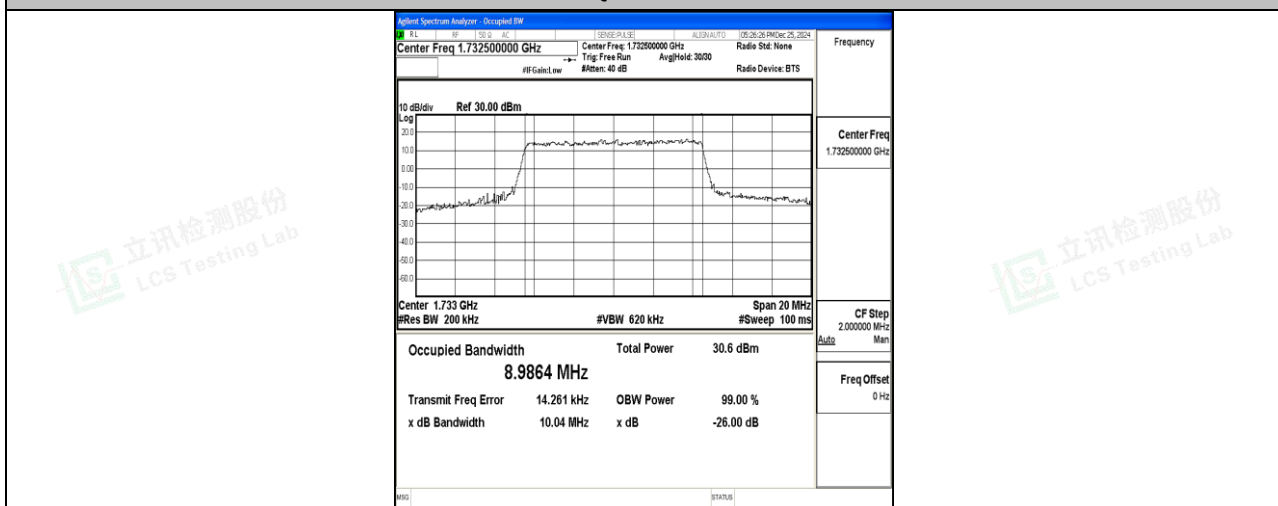
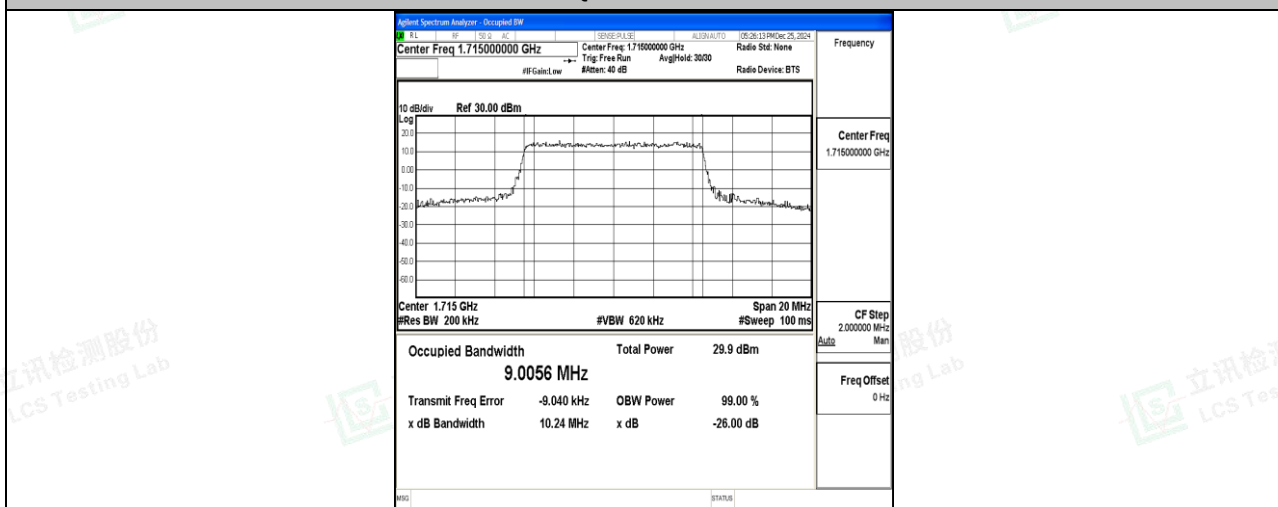
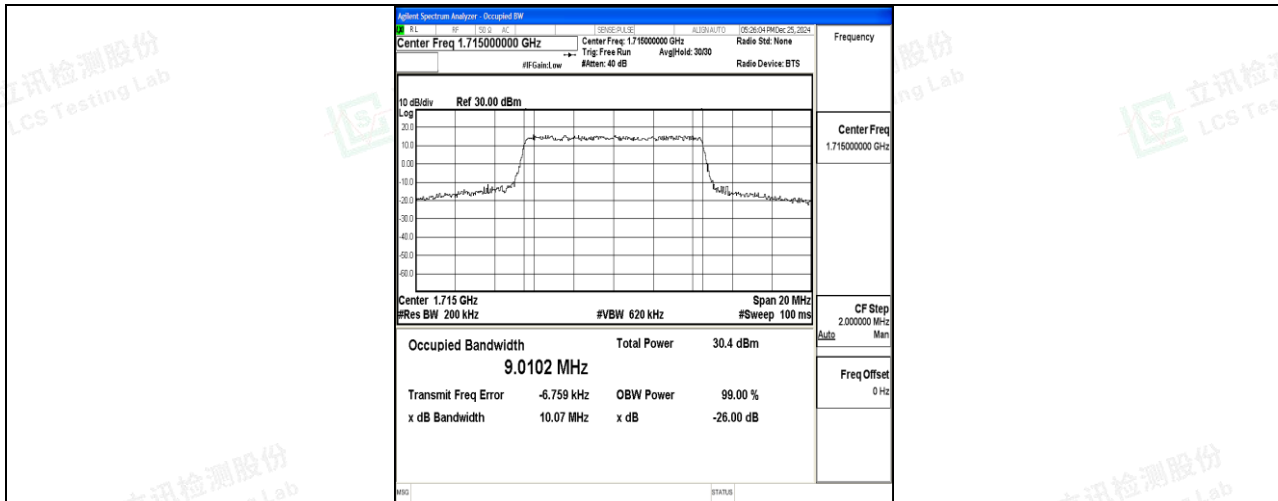


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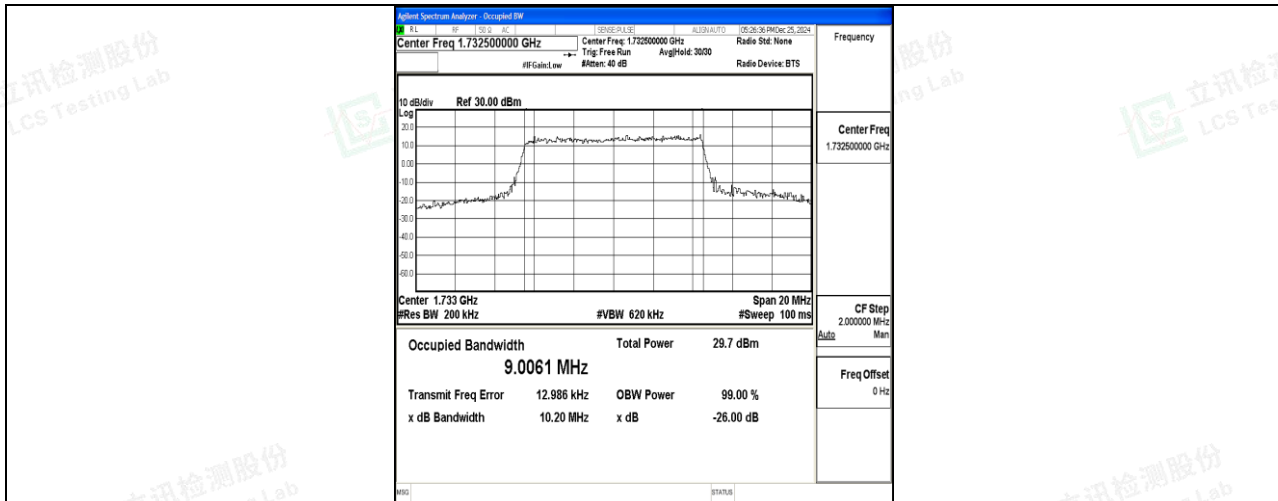


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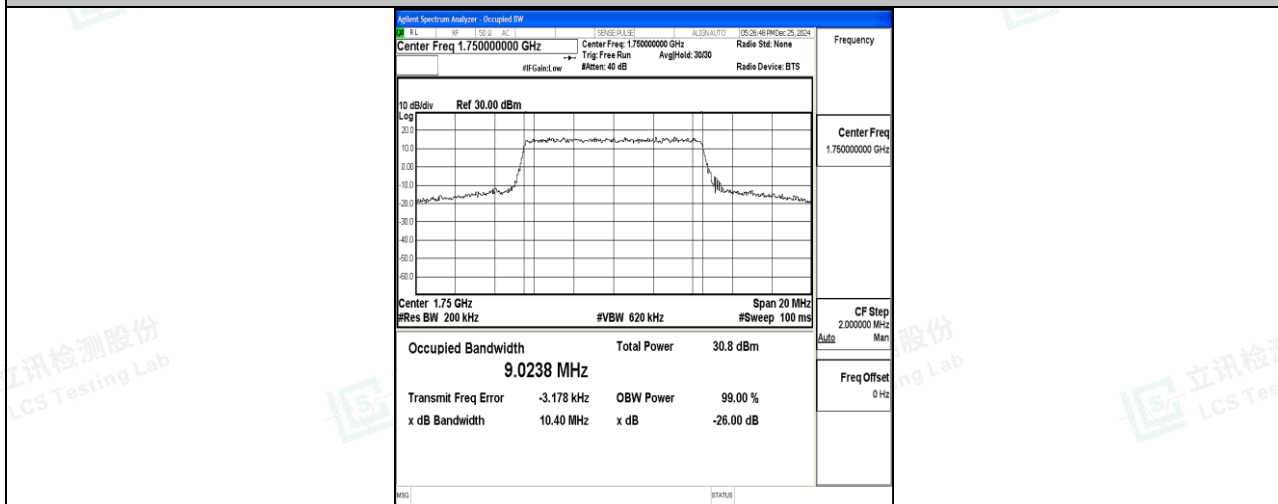
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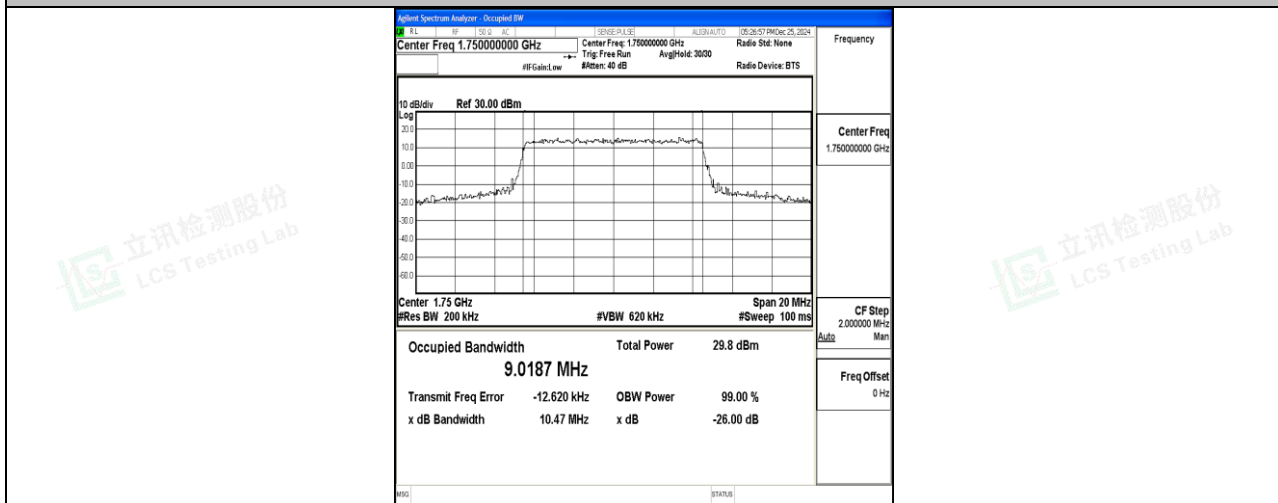
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Band4-10MHz-QPSK-20350-50RB#0-PASS



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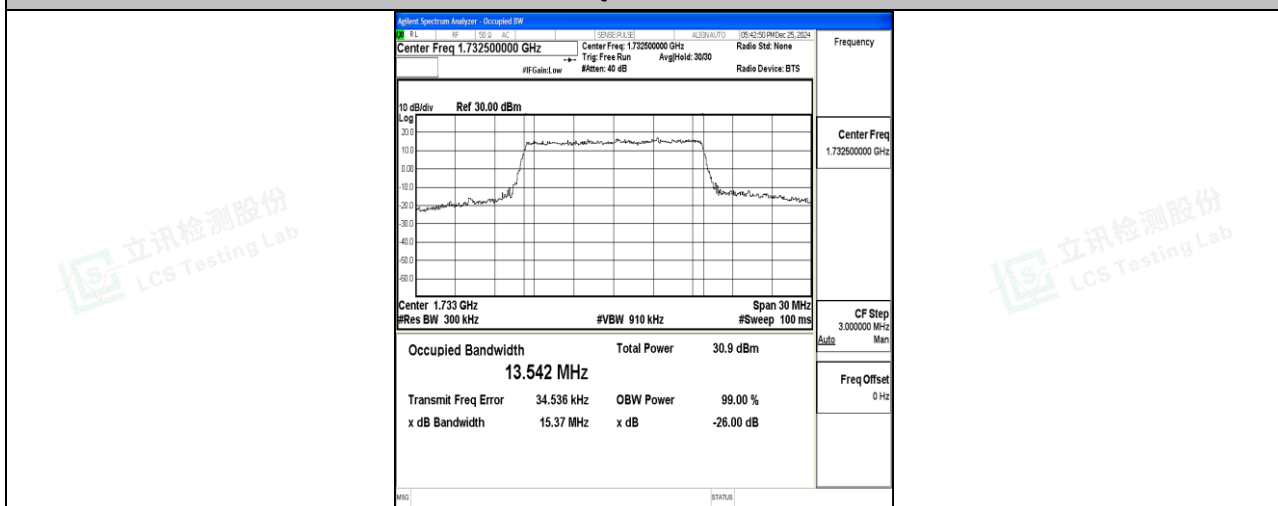
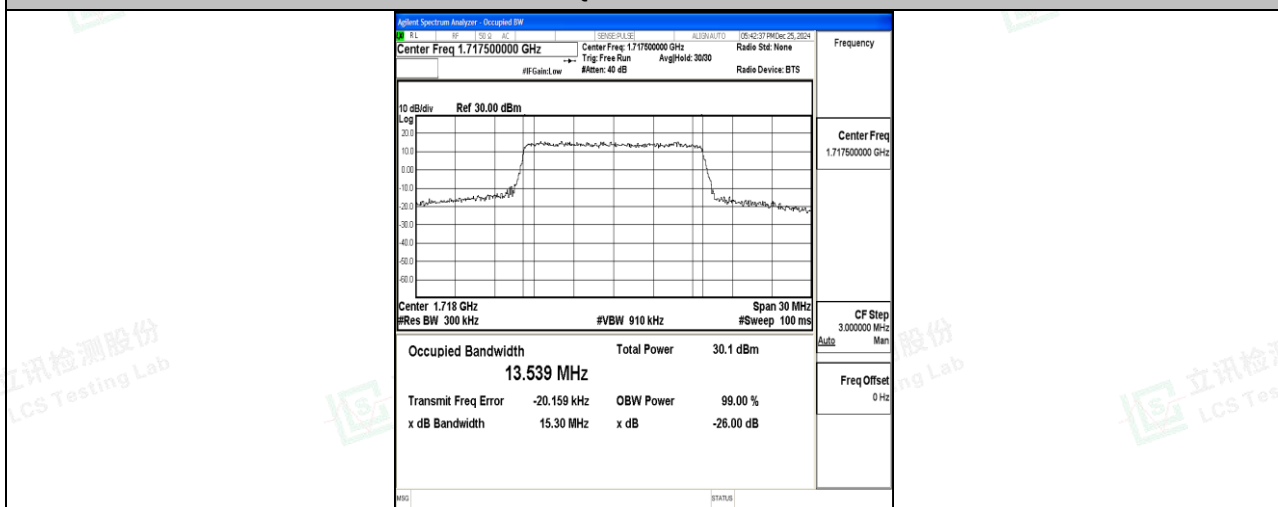
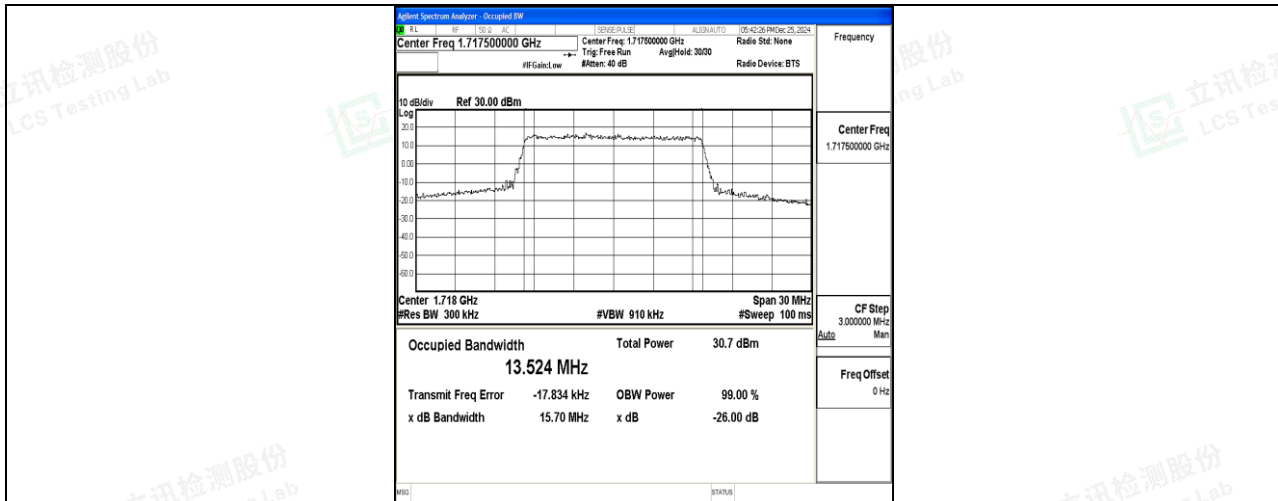


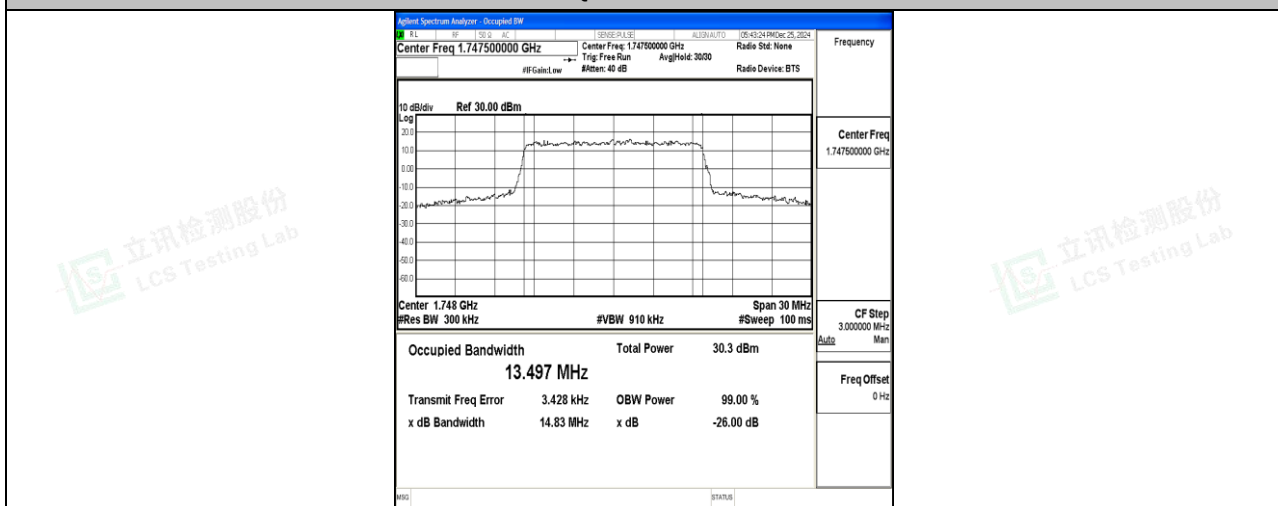
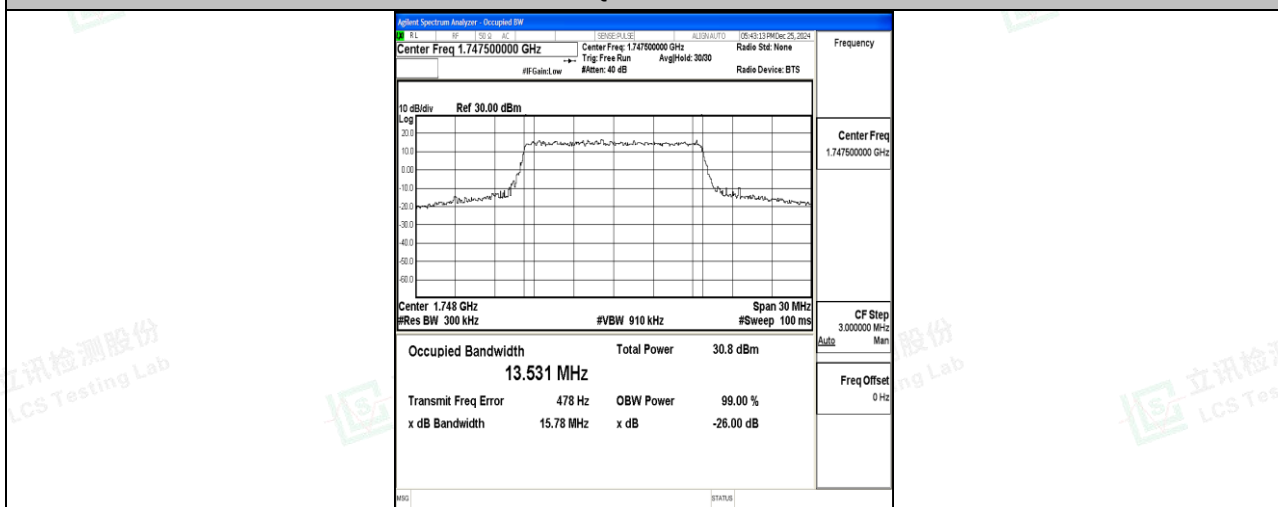
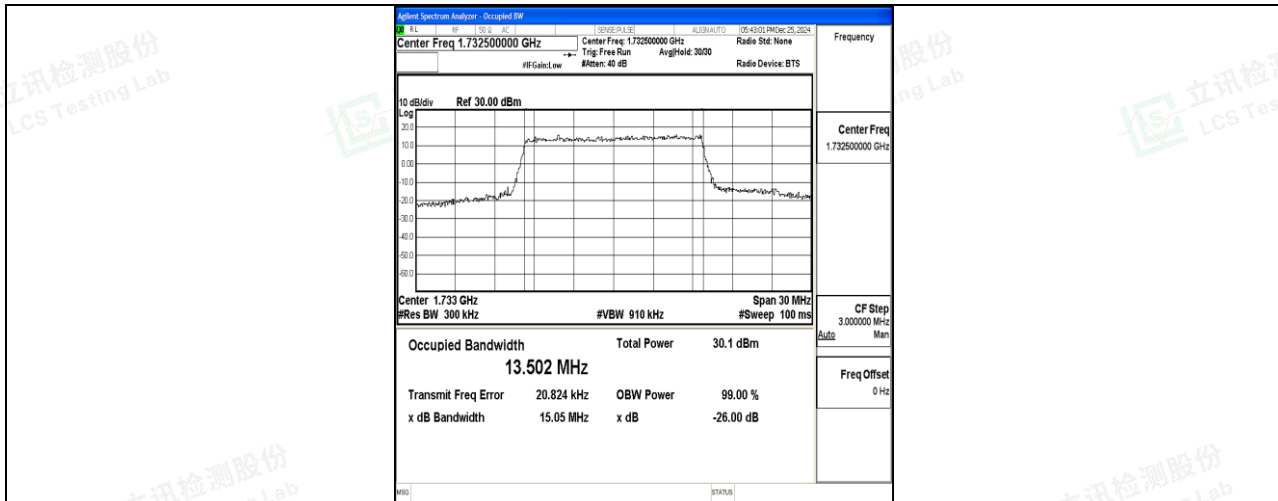
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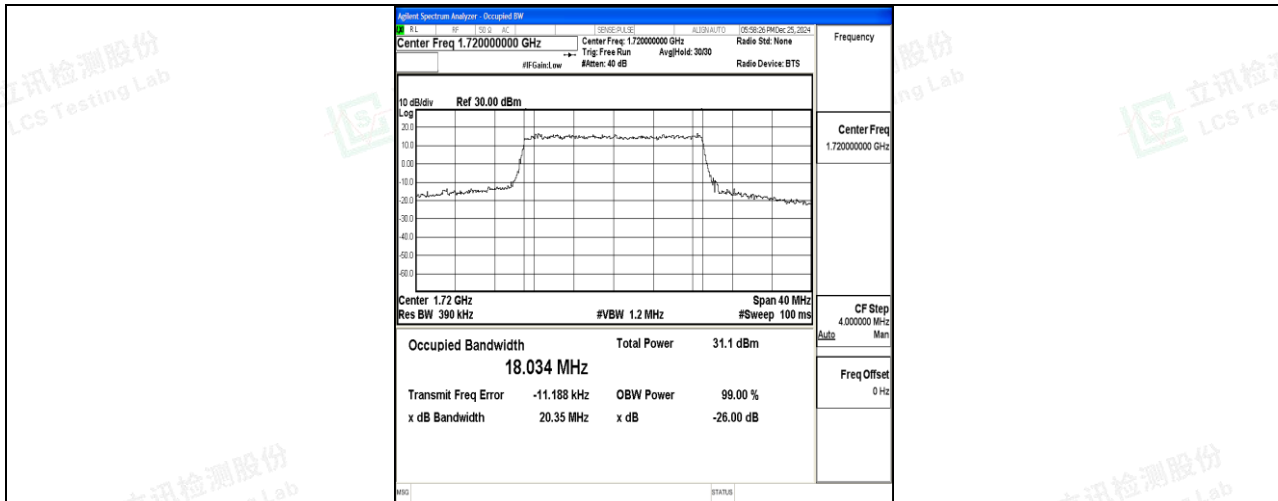
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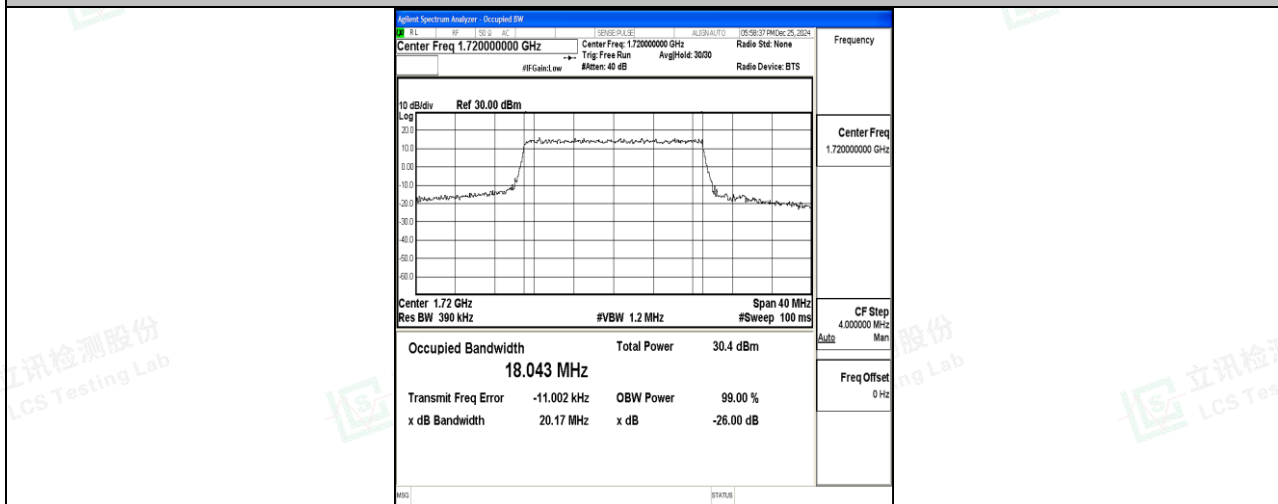
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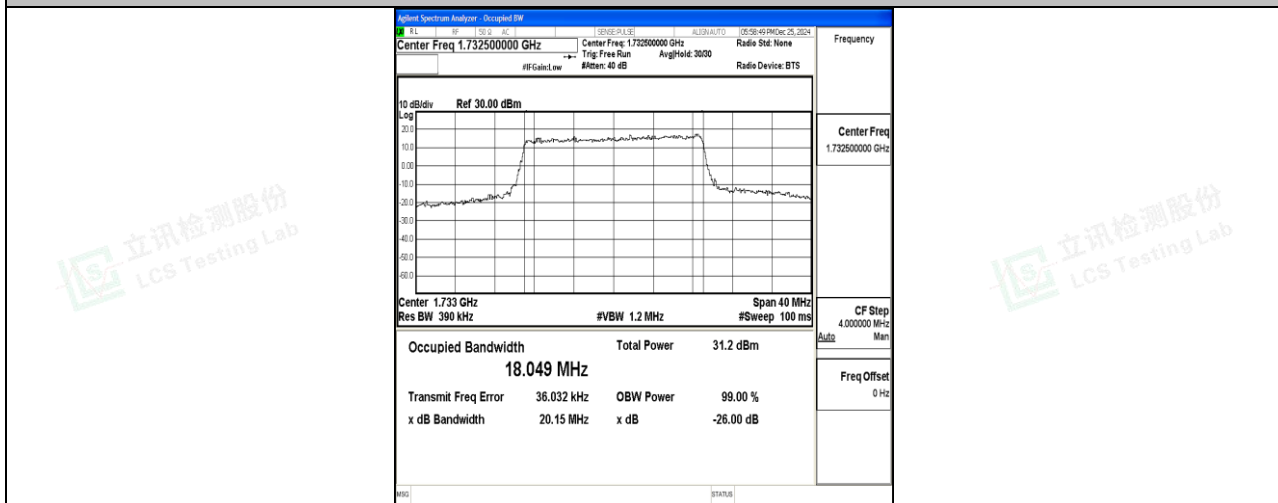




Band4-20MHz-QPSK-20050-100RB#0-PASS



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



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



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