



Appendix I: Test Data for E-UTRA Band 4

Product Name: Data Collector

Test Model: R50

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	20.35	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.27	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	20.31	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.31	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	20.33	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.19	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	20.19	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.18	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	20.17	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.05	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	20.35	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.25	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	20.35	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.24	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	20.74	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.32	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.68	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.06	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	20.86	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.10	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	20.61	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	20.59	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	19.69	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	20.56	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	19.69	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	19.82	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.33	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.14	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.67	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.08	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.86	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.08	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.77	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.28	PASS



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Band4	1.4MHz	16QAM	20393	3RB#0	20.34	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.20	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.19	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.18	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.12	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.42	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.50	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.91	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.53	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.87	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.39	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.81	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.82	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.19	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.82	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.20	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.70	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.10	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.70	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.08	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.58	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.19	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.59	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.81	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.70	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.83	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.74	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.25	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.74	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.28	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.67	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.19	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.74	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.93	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.49	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.96	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.43	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.09	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.34	PASS



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Band4	3MHz	16QAM	20385	1RB#14	22.08	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.73	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.07	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.75	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.08	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.64	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.08	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.72	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.97	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.59	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.42	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.63	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.34	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.58	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.37	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.87	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.09	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.77	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.10	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.77	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.08	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.76	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.21	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.38	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.19	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.28	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.11	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.41	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.68	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.78	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.12	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.77	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.09	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.78	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.26	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.81	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.08	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.48	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.38	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.51	PASS



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Band4	5MHz	16QAM	20375	1RB#12	21.39	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.49	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.64	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.81	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.82	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.01	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.78	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.01	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.77	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.06	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.46	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.83	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.40	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.79	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.48	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.88	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.80	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.70	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.01	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.64	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.95	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.68	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.01	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.52	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.88	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.59	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.85	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.46	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.81	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.76	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.19	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.78	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.18	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.72	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.21	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.58	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.06	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.28	PASS



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Band4	10MHz	16QAM	20350	1RB#0	22.30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.21	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.25	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.37	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.70	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.05	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.70	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.06	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.75	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.07	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.75	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.45	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.85	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.40	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.86	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.38	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.82	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.80	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.69	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.69	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.69	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.69	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.68	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.68	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.83	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.17	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.78	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.72	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.01	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.66	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.76	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.75	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.75	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.74	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.74	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.74	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.74	PASS



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Band4	15MHz	16QAM	20175	75RB#0	21.07	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.24	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.15	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.29	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.10	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.37	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.92	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.72	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.73	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.72	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.72	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.73	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.73	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.73	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.08	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.03	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.16	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.96	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.96	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.23	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.56	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.35	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.57	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.29	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.49	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.43	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.19	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.86	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.10	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.90	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.06	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.75	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.32	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.61	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.29	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.60	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.33	PASS



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Band4	20MHz	16QAM	20175	50RB#50	21.51	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.35	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.63	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.22	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.95	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.14	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.94	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.12	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.83	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.26	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.69	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.33	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.69	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.25	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.60	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.32	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.44	PASS



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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	3.88	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.51	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.55	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.20	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.80	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.42	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.66	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.70	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.01	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.18	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	4.69	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	2.72	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	2.93	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	3.23	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	3.93	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	2.88	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	3.51	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	3.83	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.43	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.95	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.12	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.84	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.27	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	3.24	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	3.39	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.08	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.67	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	2.75	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	3.36	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.45	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.94	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	3.84	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.18	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.85	13	PASS



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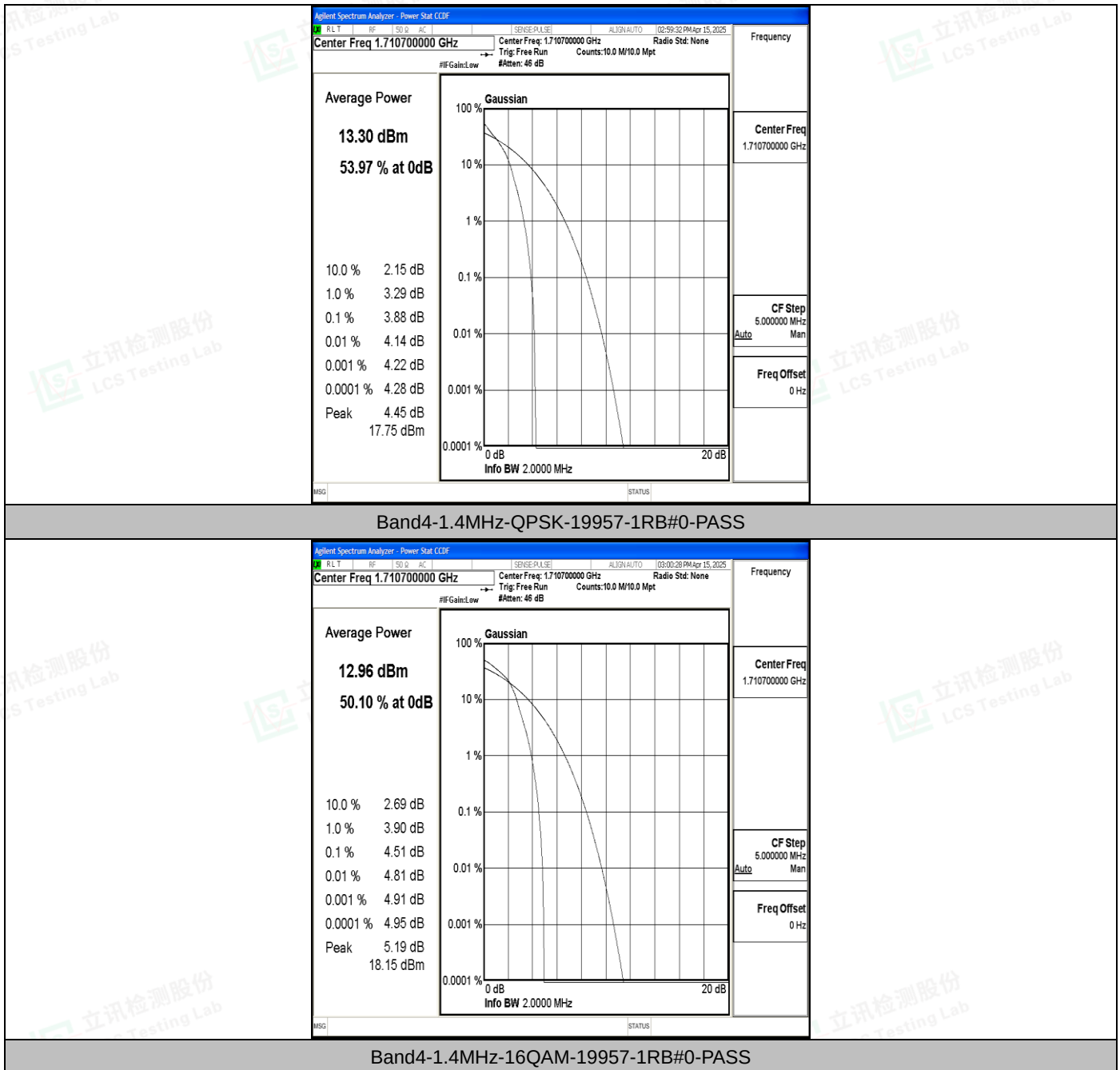
Band4	15MHz	QPSK	20025	1RB#0	3.85	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.18	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.15	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.43	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.05	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.29	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.31	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	4.89	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	1.61	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	2.32	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.44	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	4.87	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.78	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.08	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.90	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.30	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.06	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	4.30	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.04	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	4.74	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	1.80	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	2.39	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.15	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	4.63	13	PASS



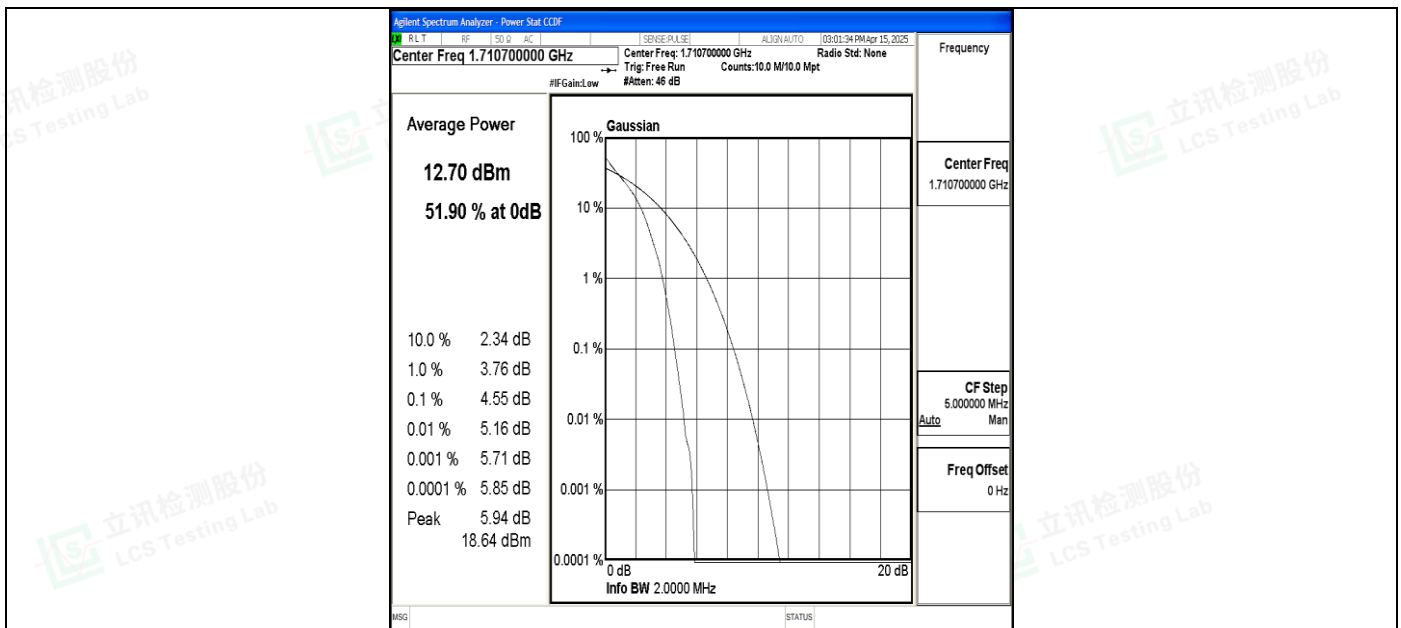
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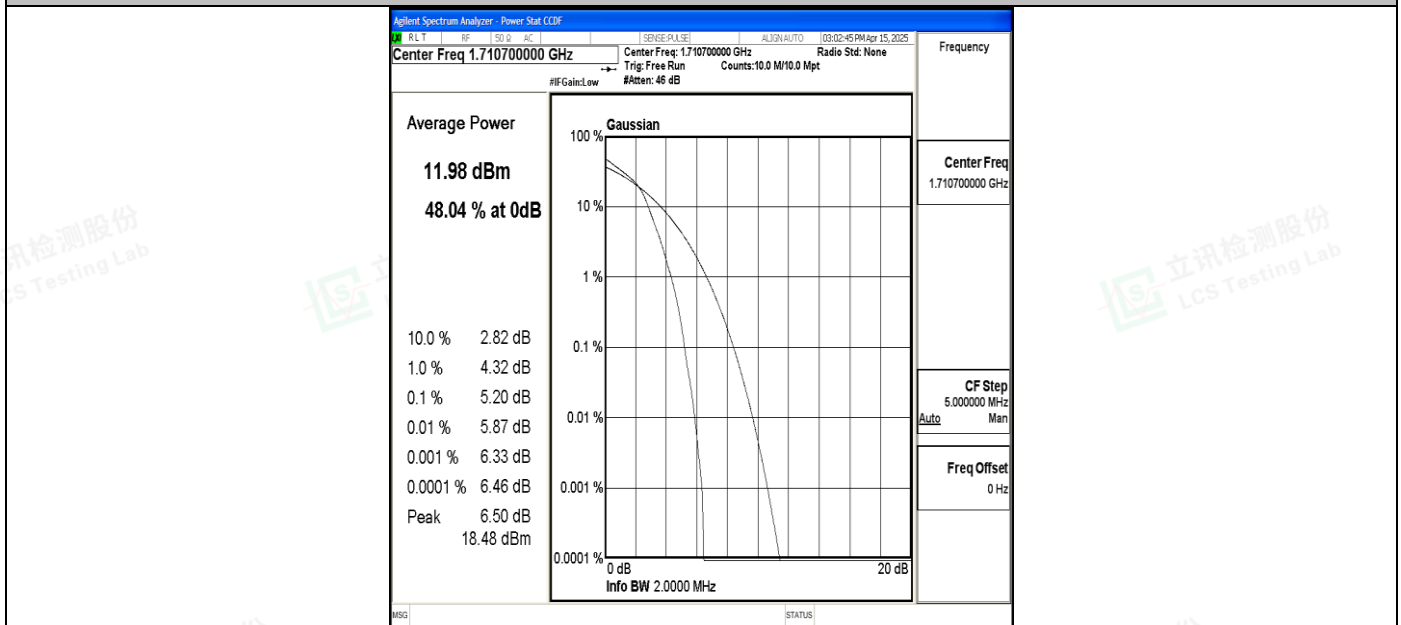
Test Graphs



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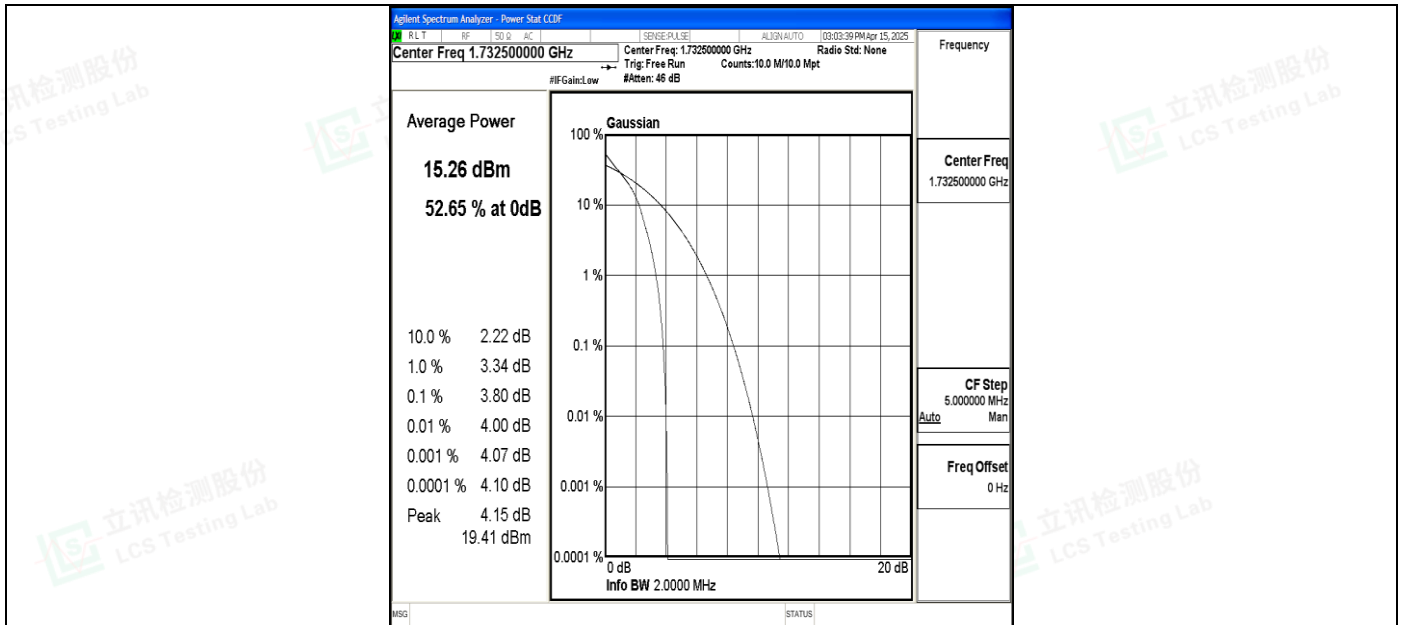


Band4-1.4MHz-QPSK-19957-6RB#0-PASS

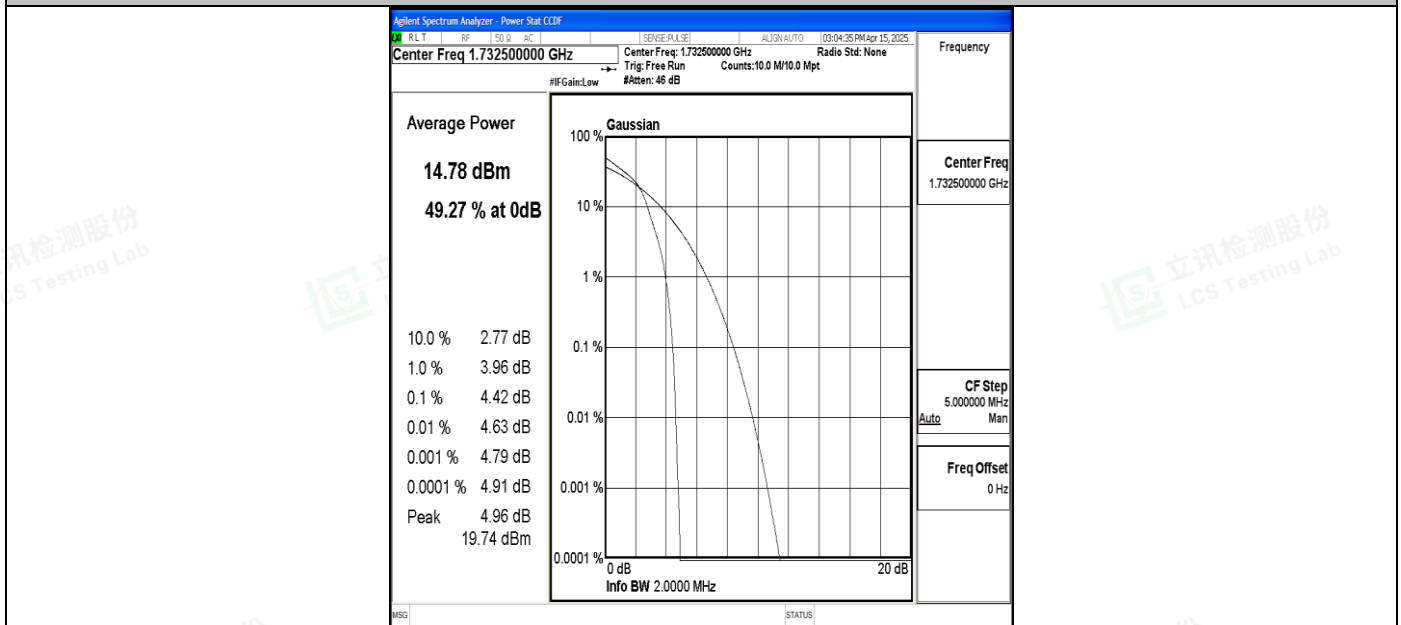


Band4-1.4MHz-16QAM-19957-6RB#0-PASS



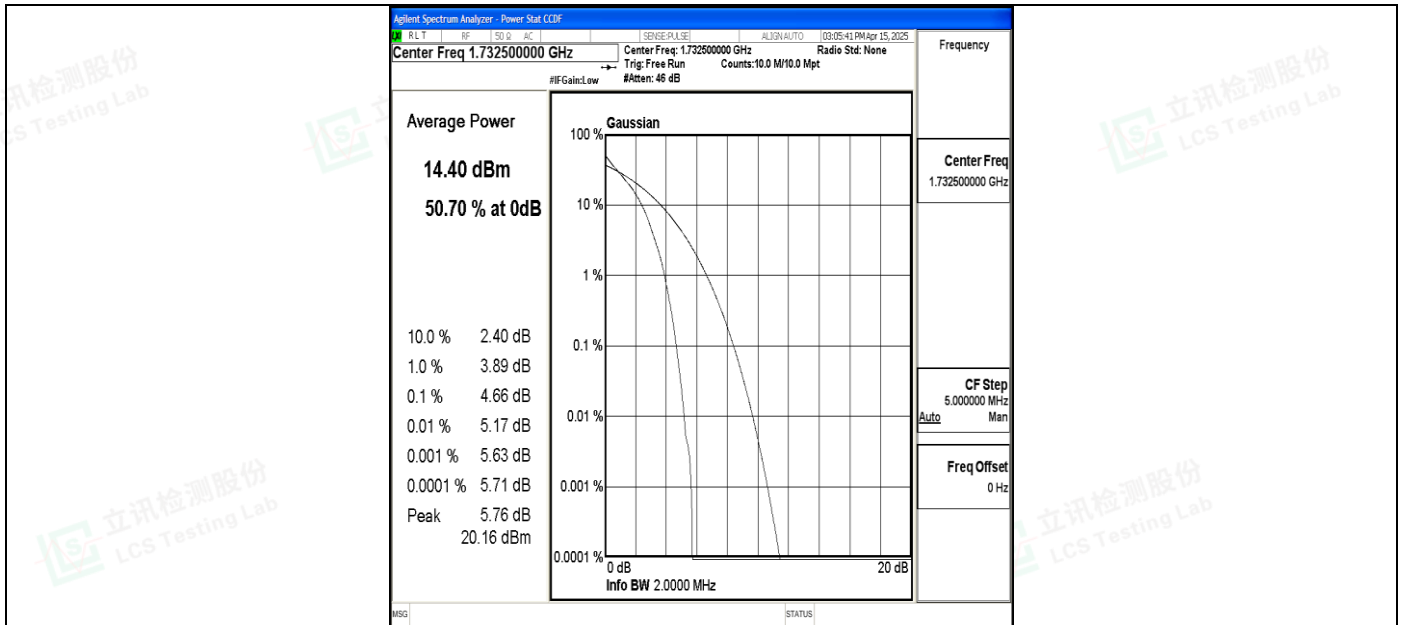


Band4-1.4MHz-QPSK-20175-1RB#0-PASS

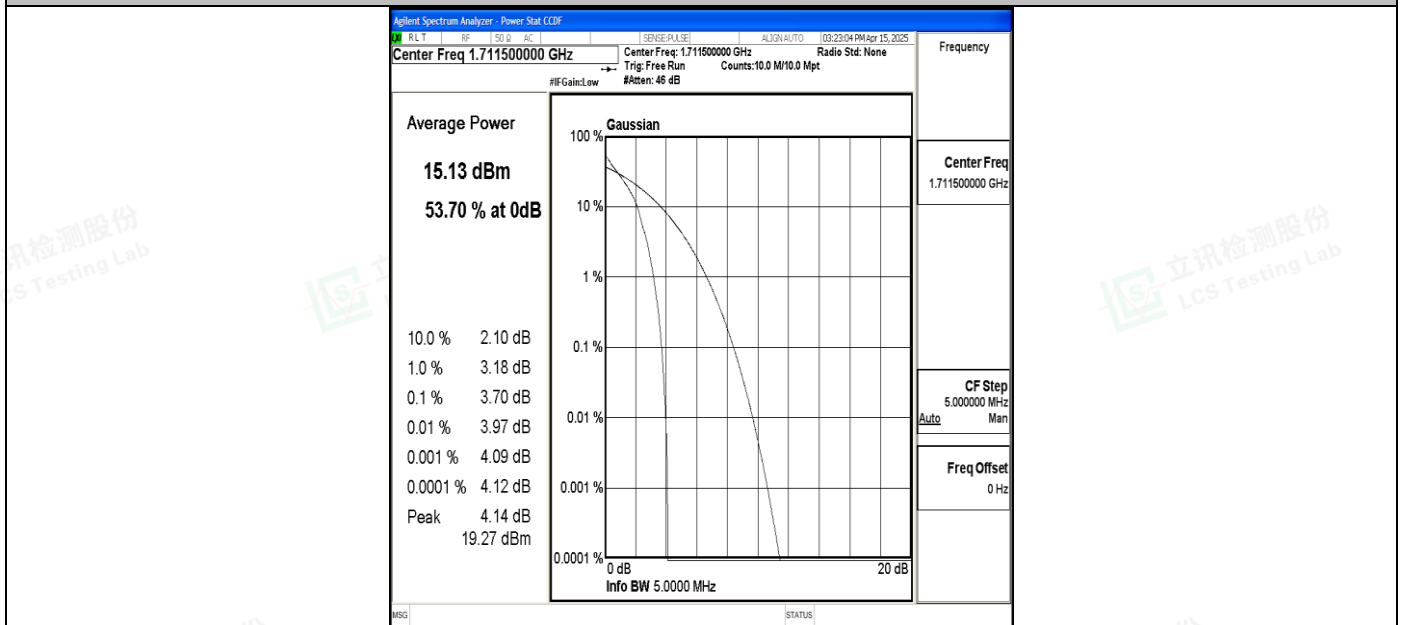


Band4-1.4MHz-16QAM-20175-1RB#0-PASS



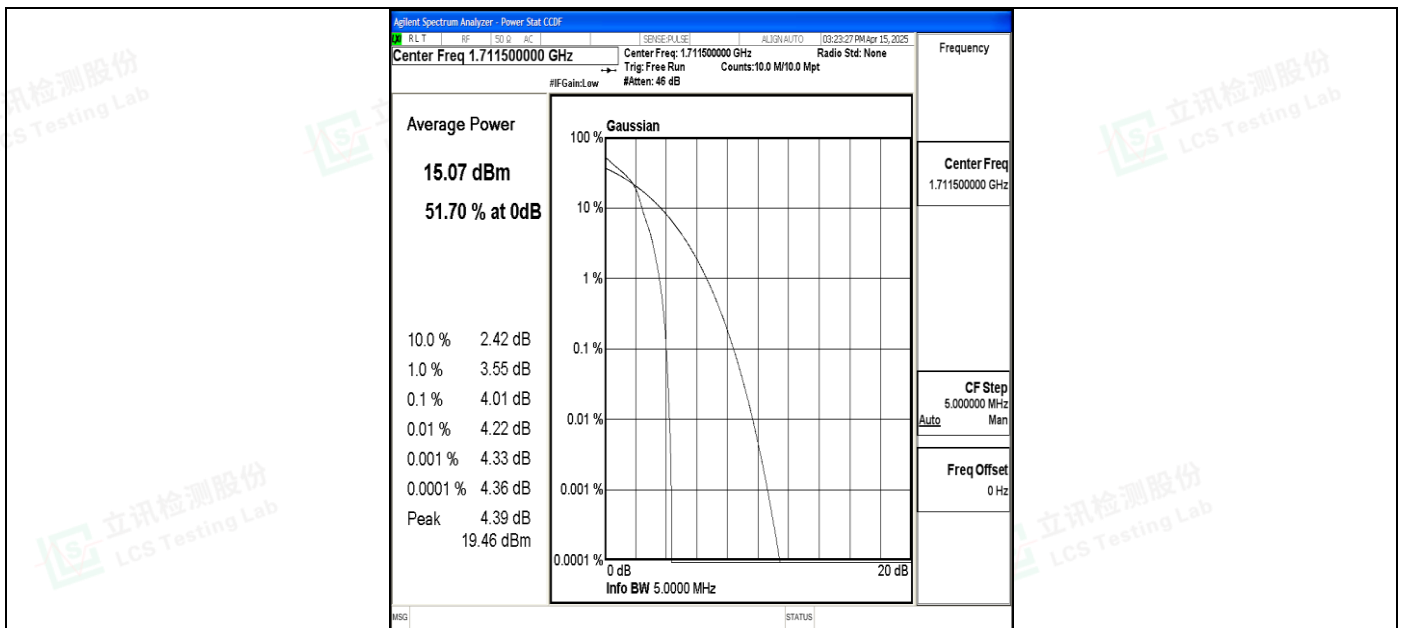


Band4-1.4MHz-QPSK-20175-6RB#0-PASS

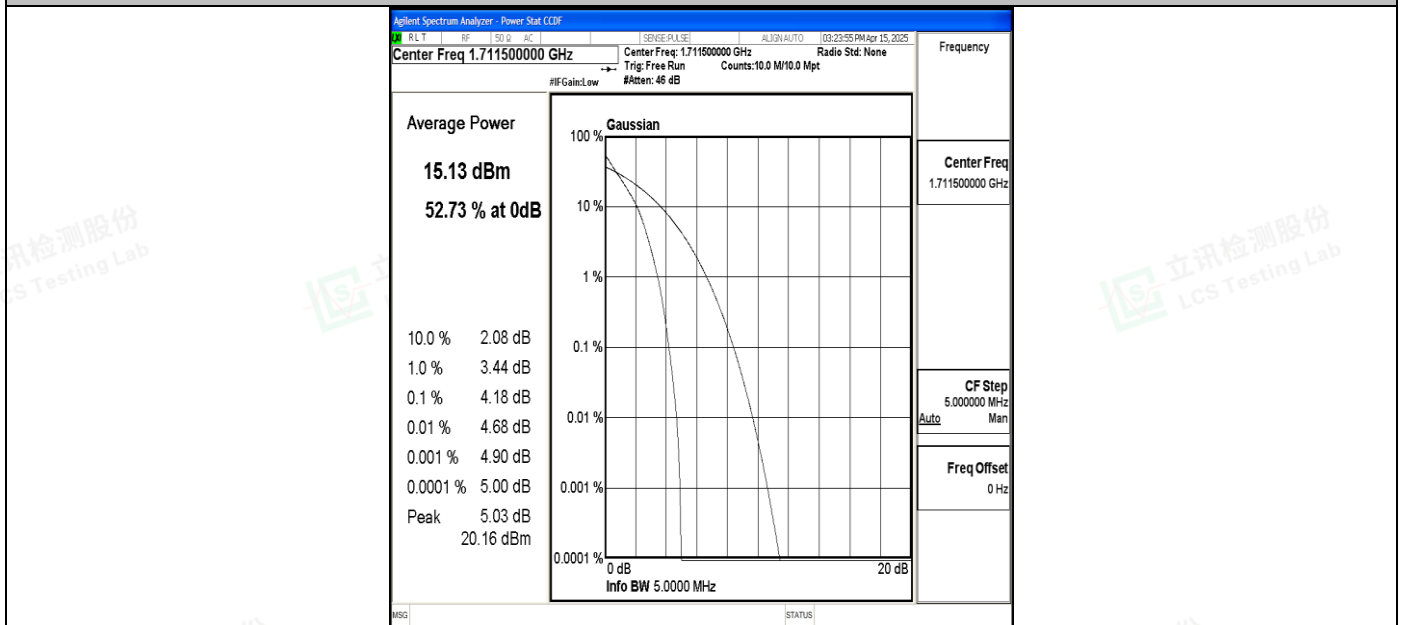


Band4-3MHz-QPSK-19965-1RB#0-PASS



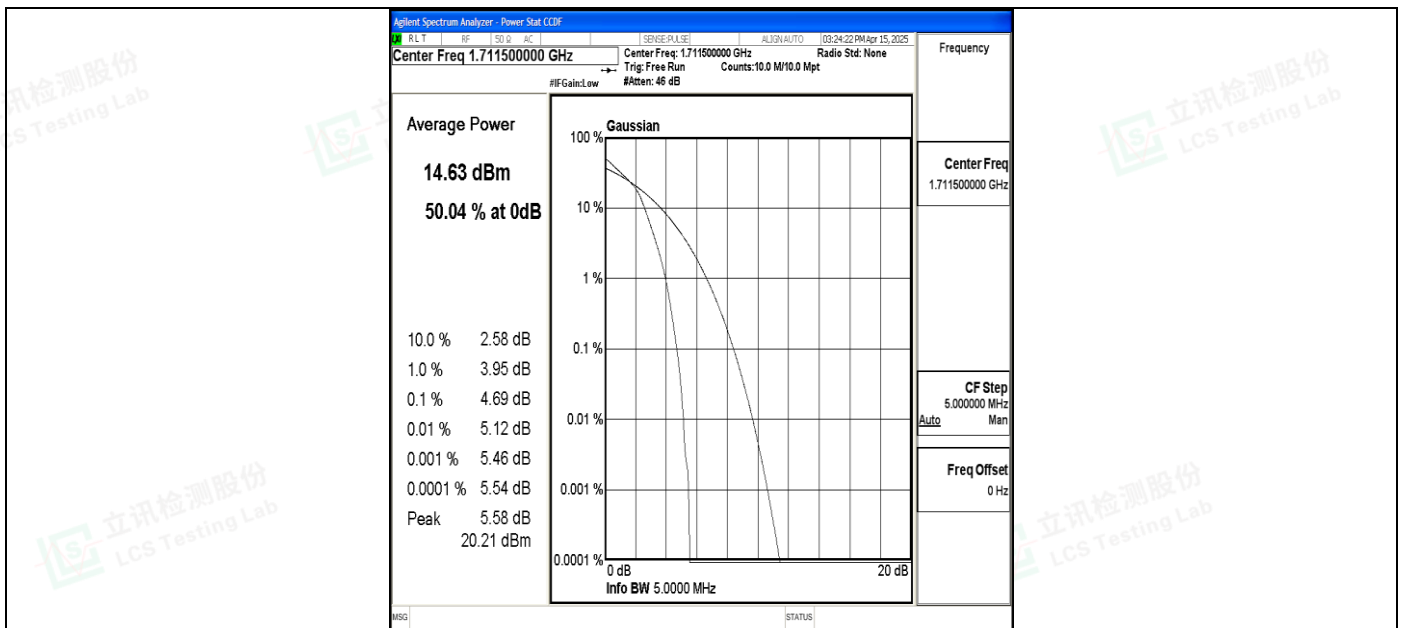


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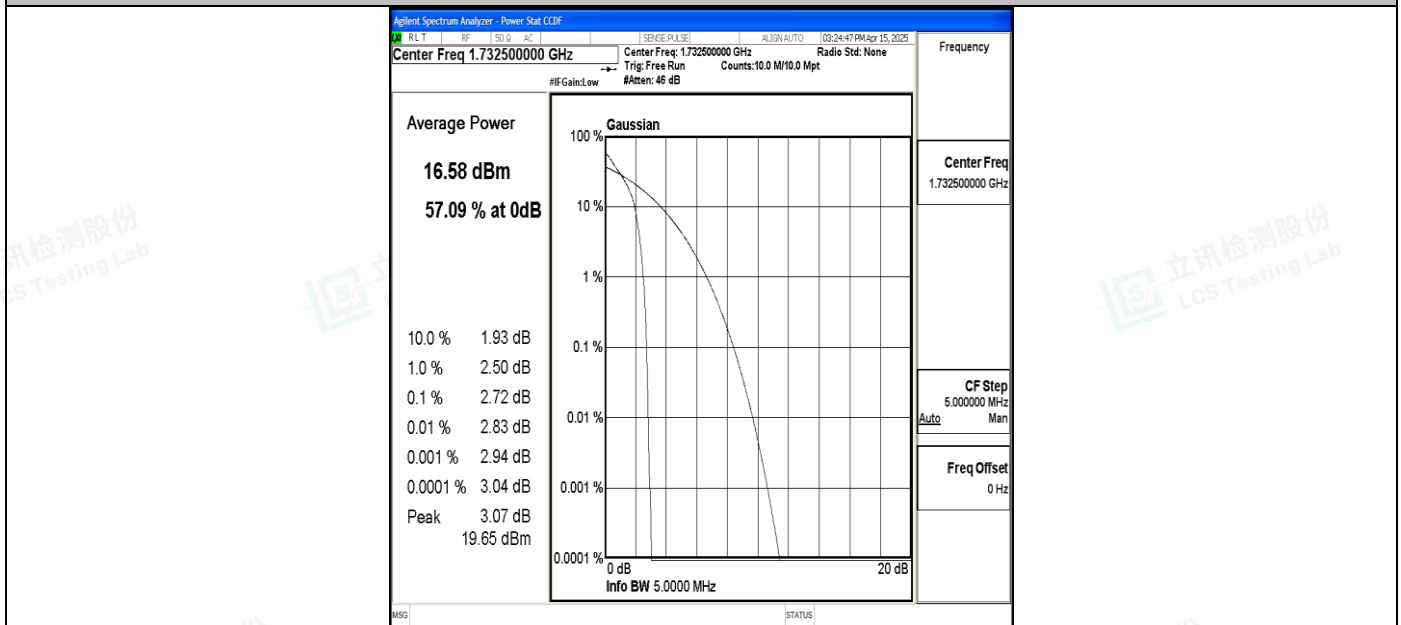


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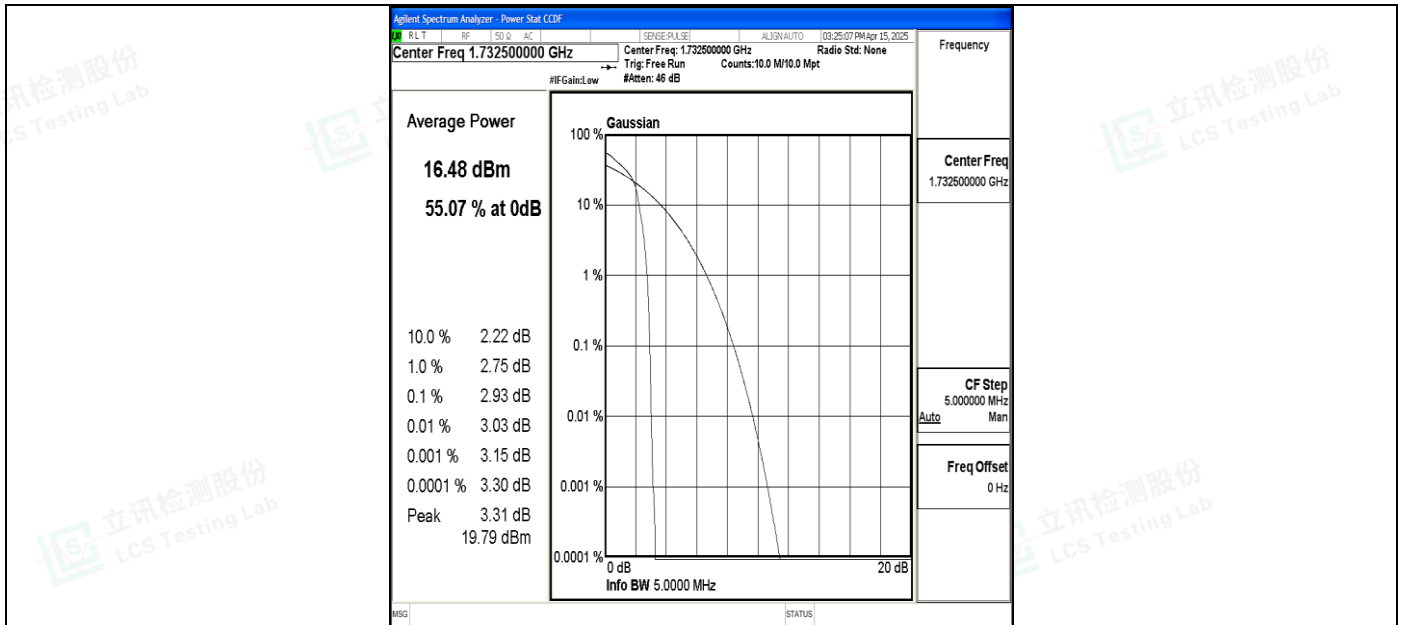
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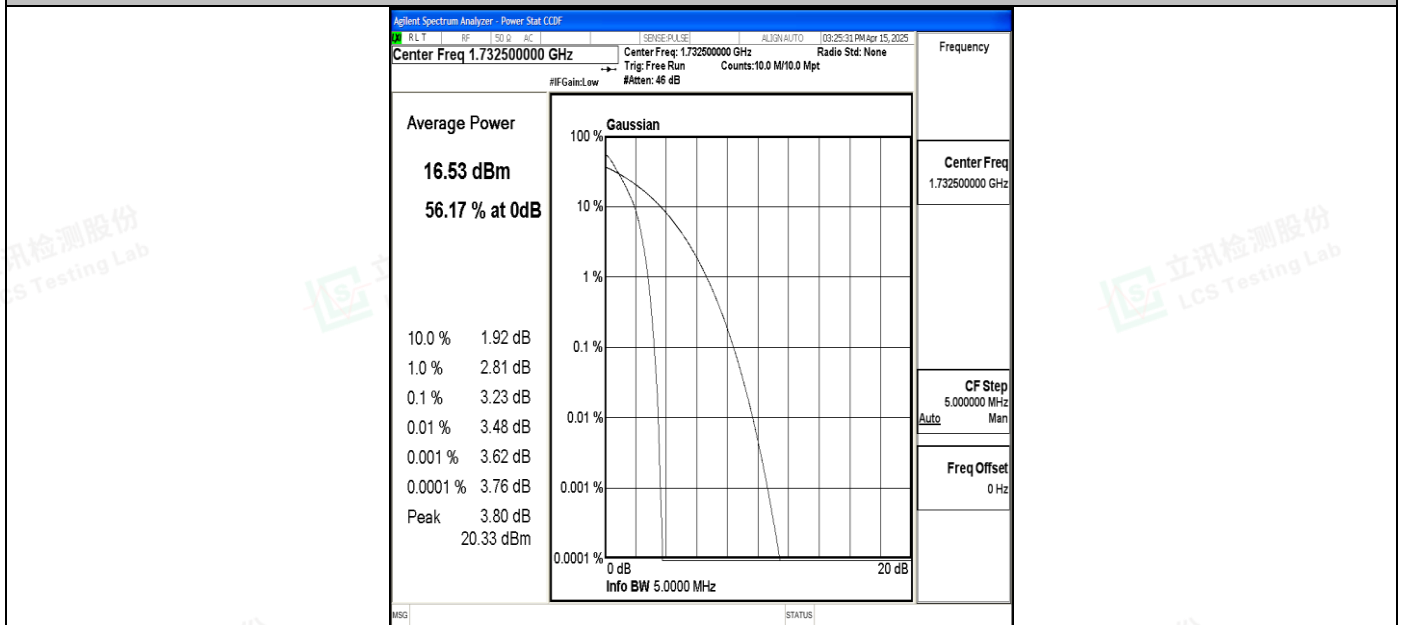
Band4-3MHz-QPSK-20175-1RB#0-PASS



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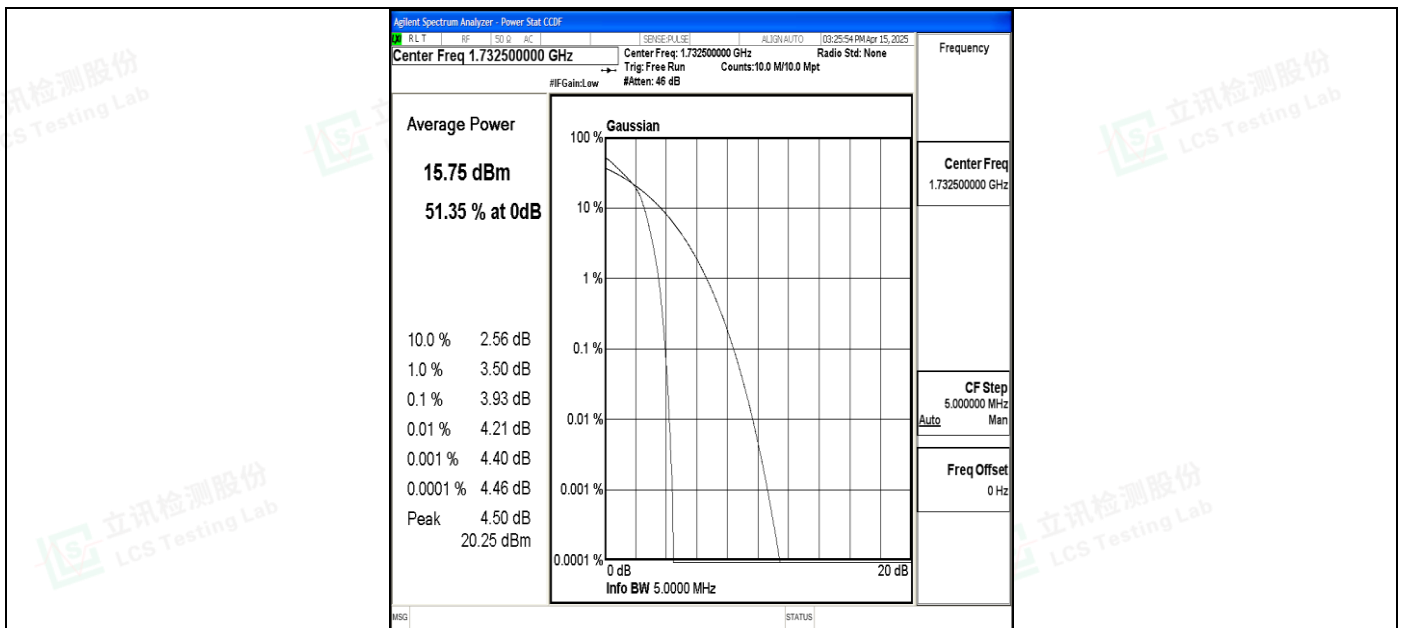


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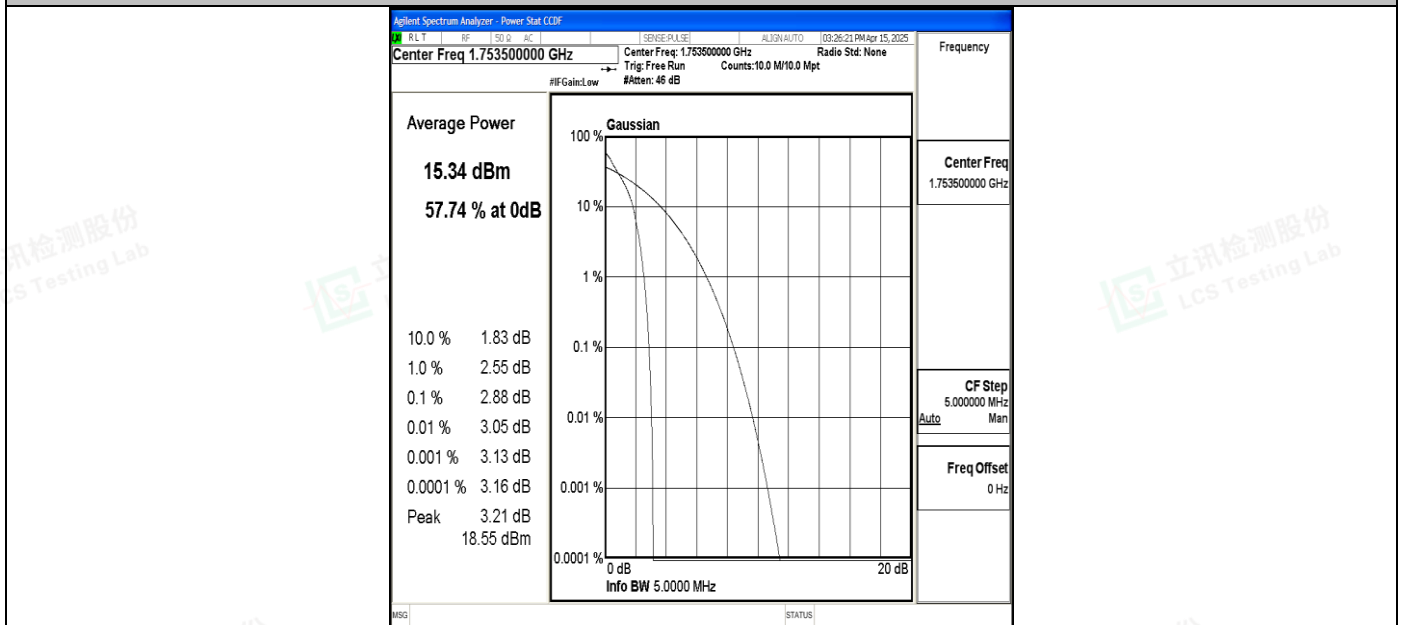


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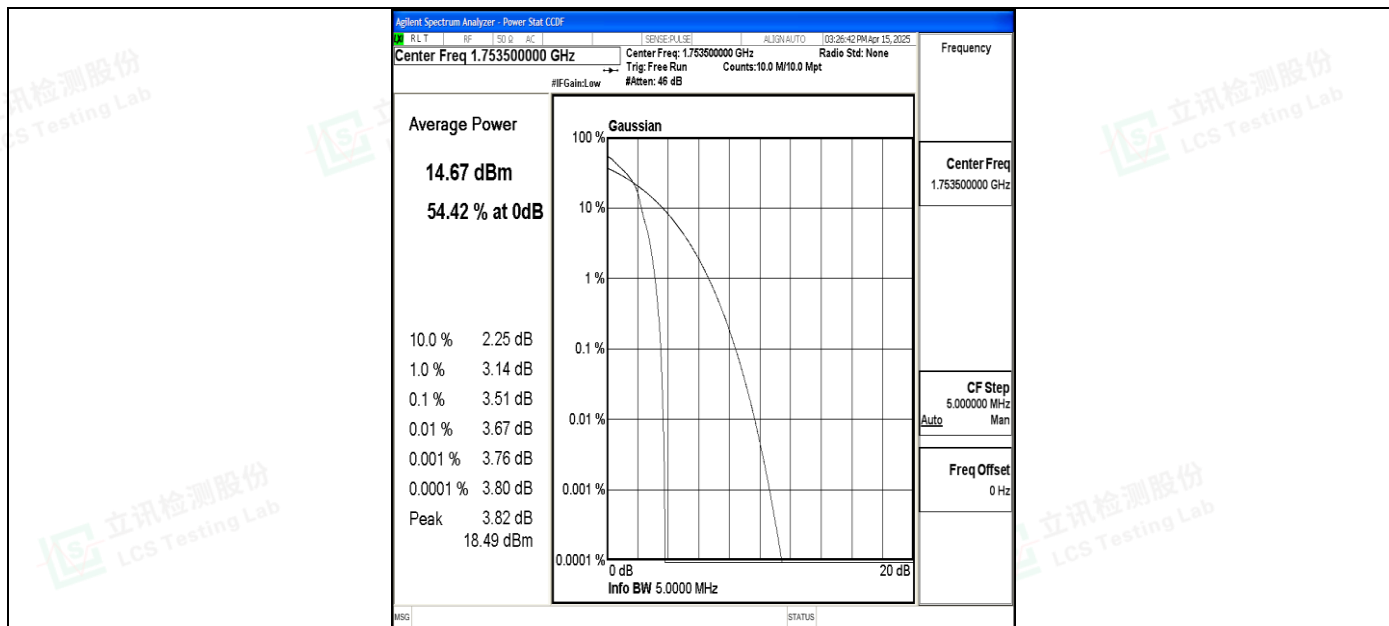


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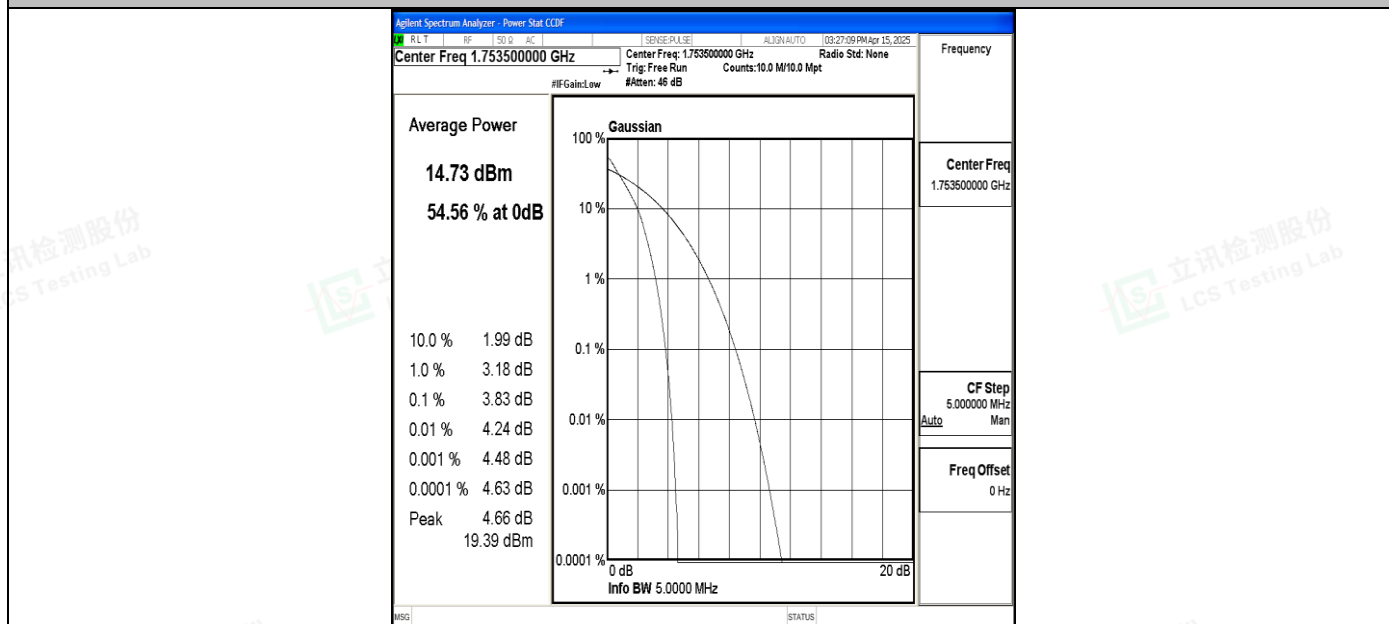


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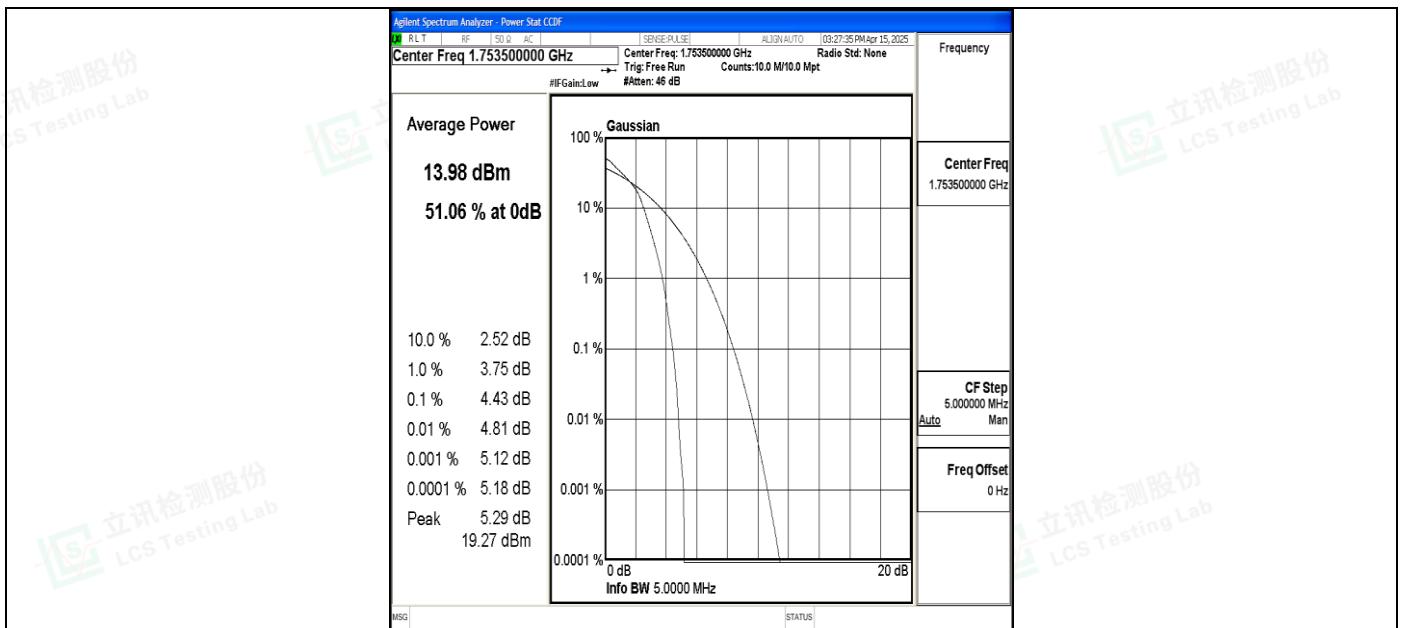


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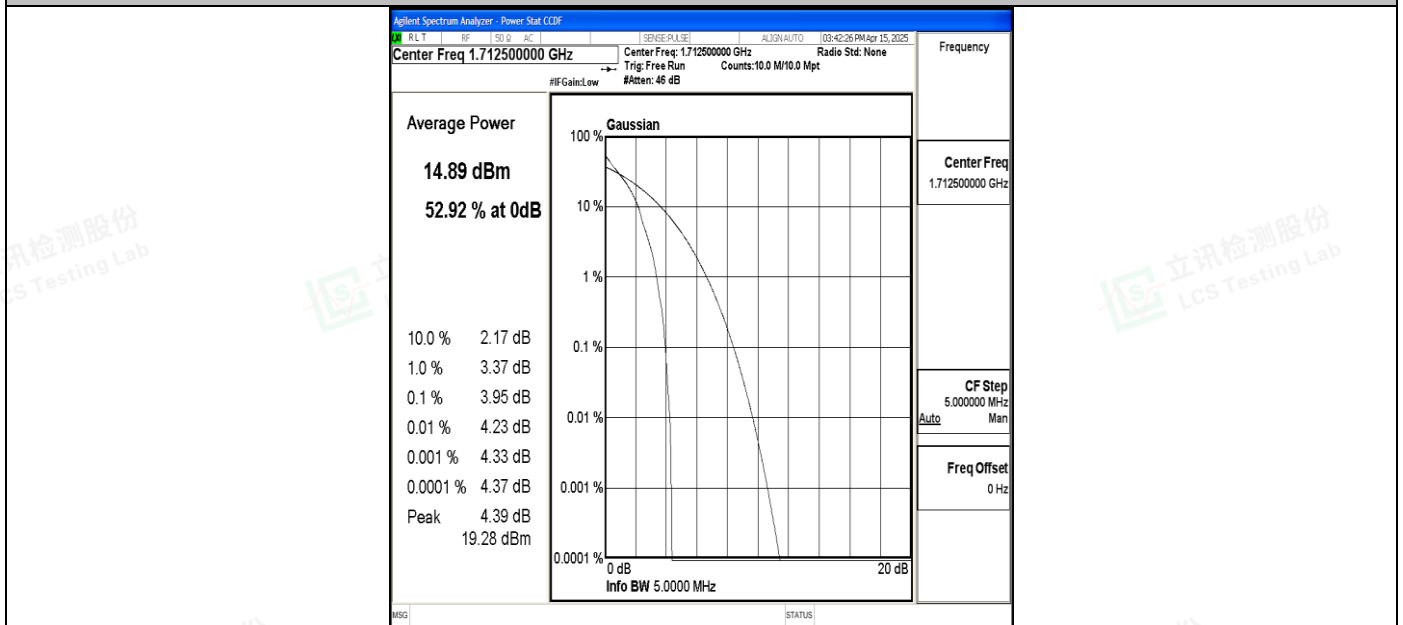


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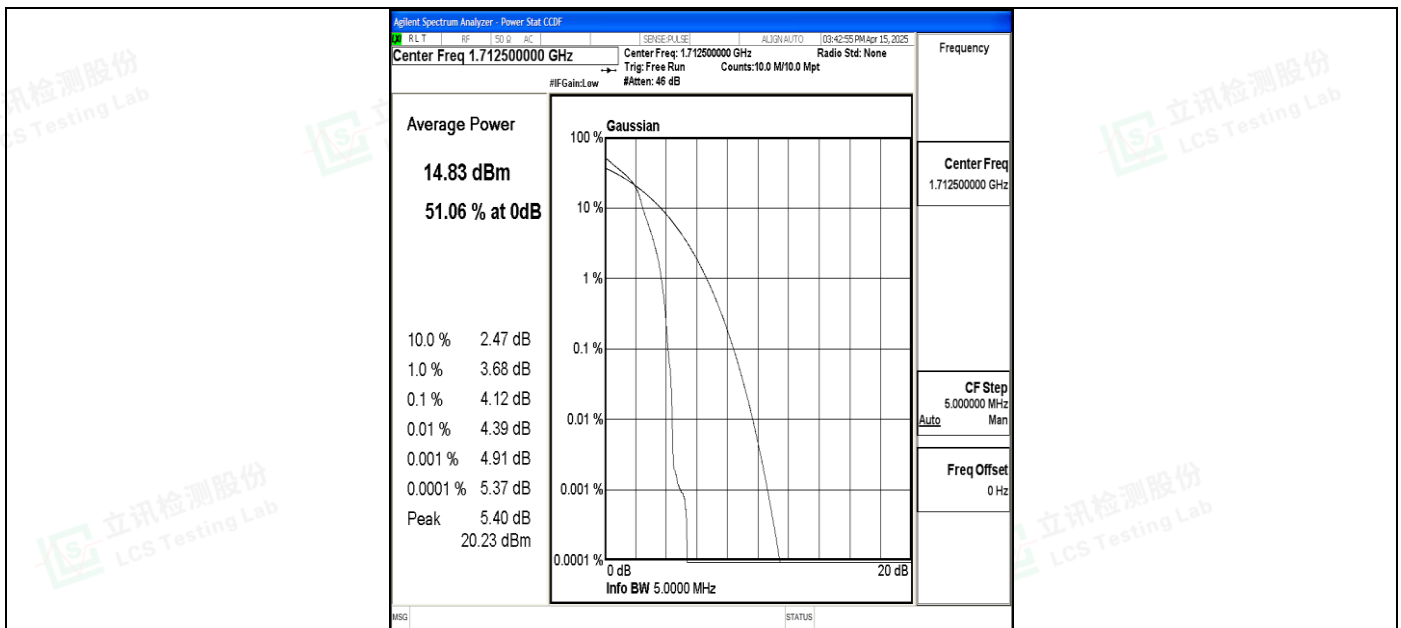


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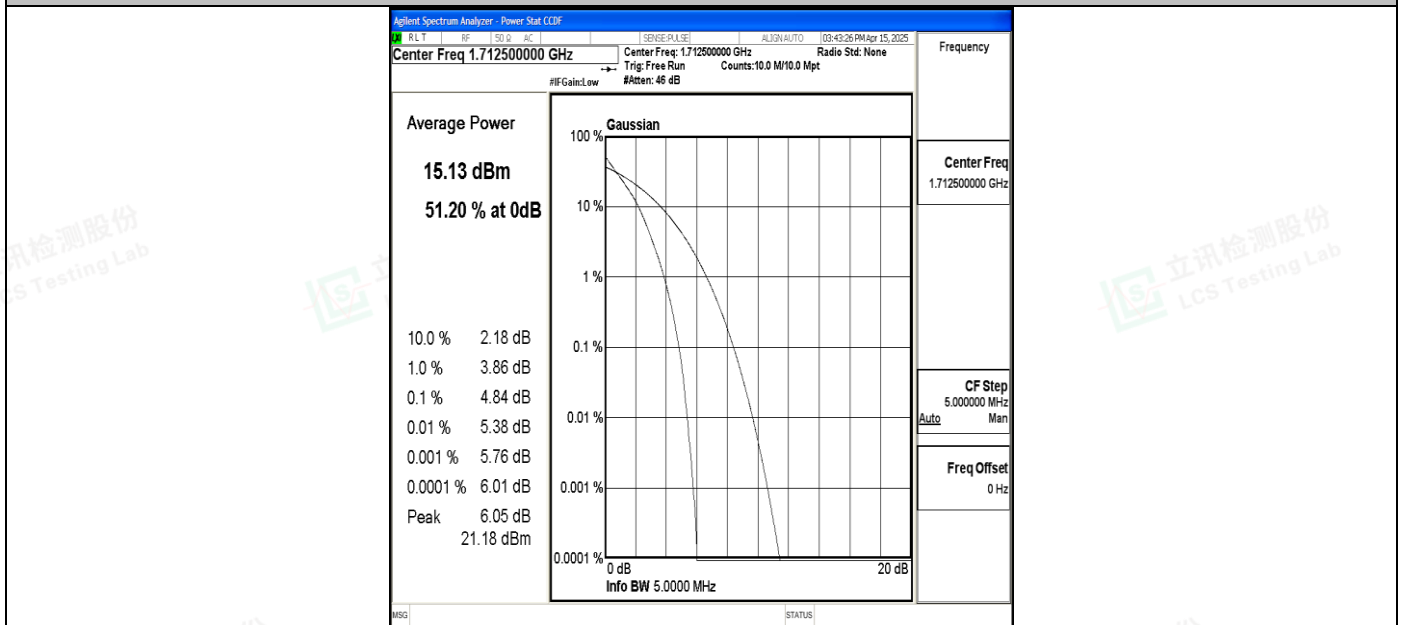


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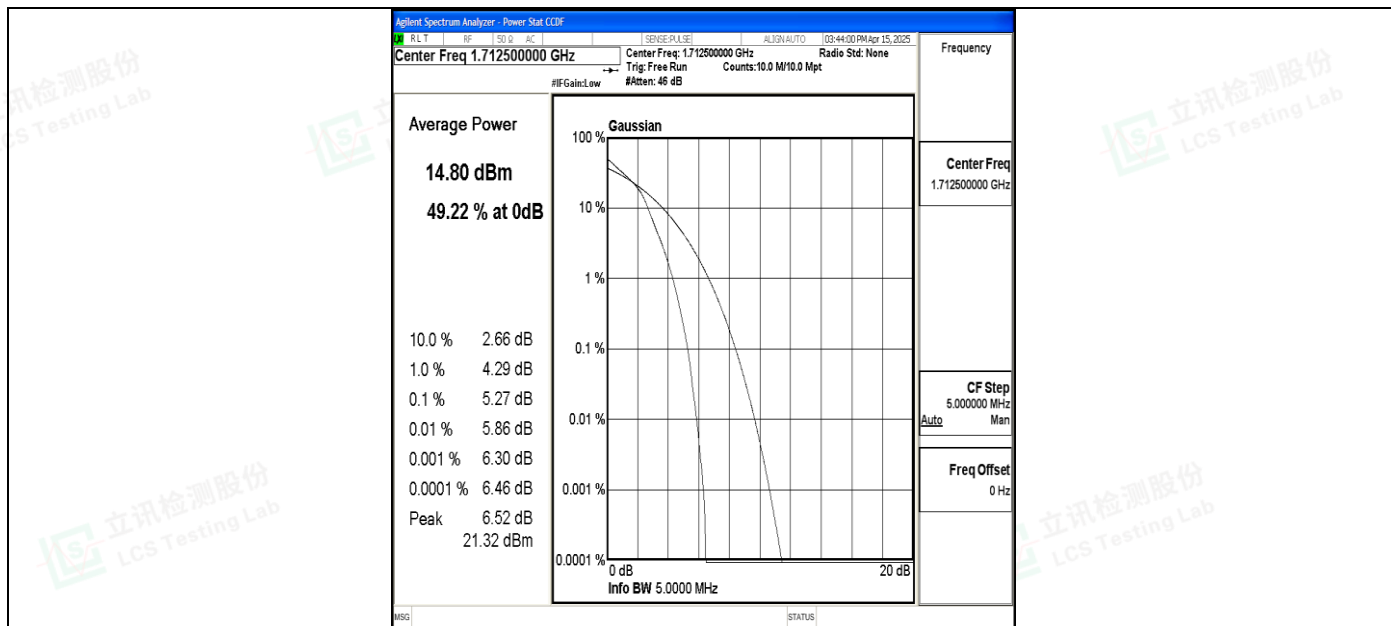


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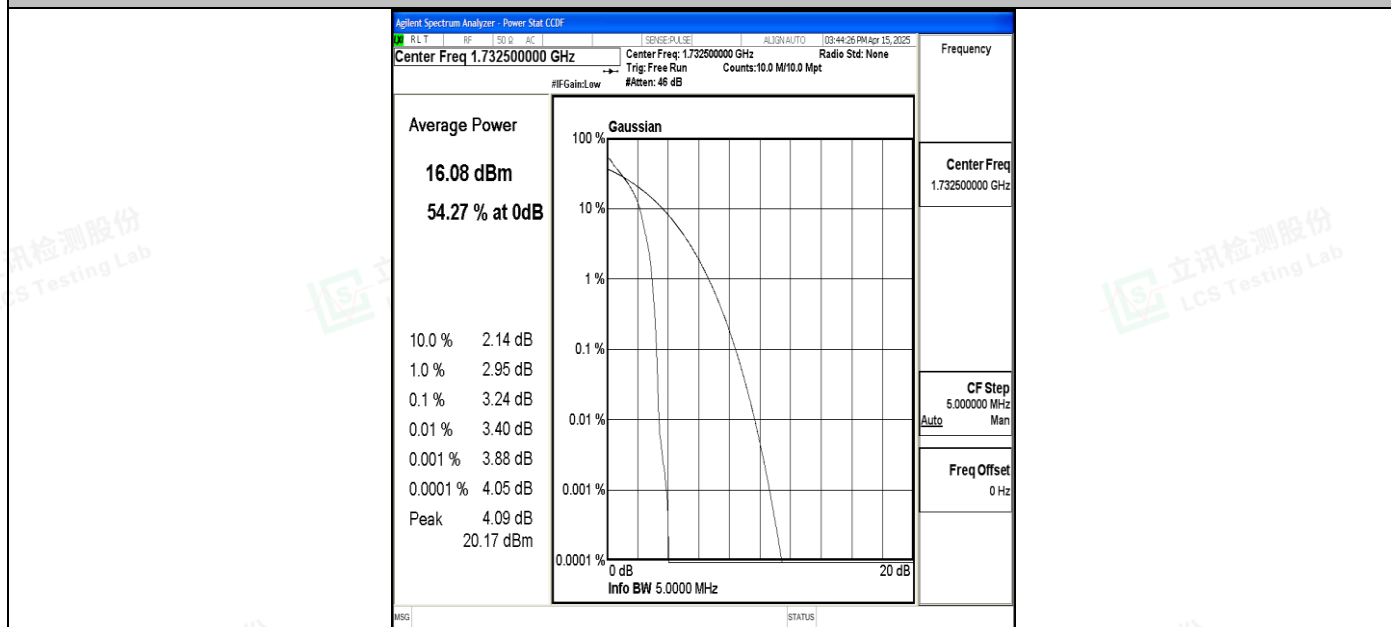


Band4-5MHz-QPSK-19975-25RB#0-PASS





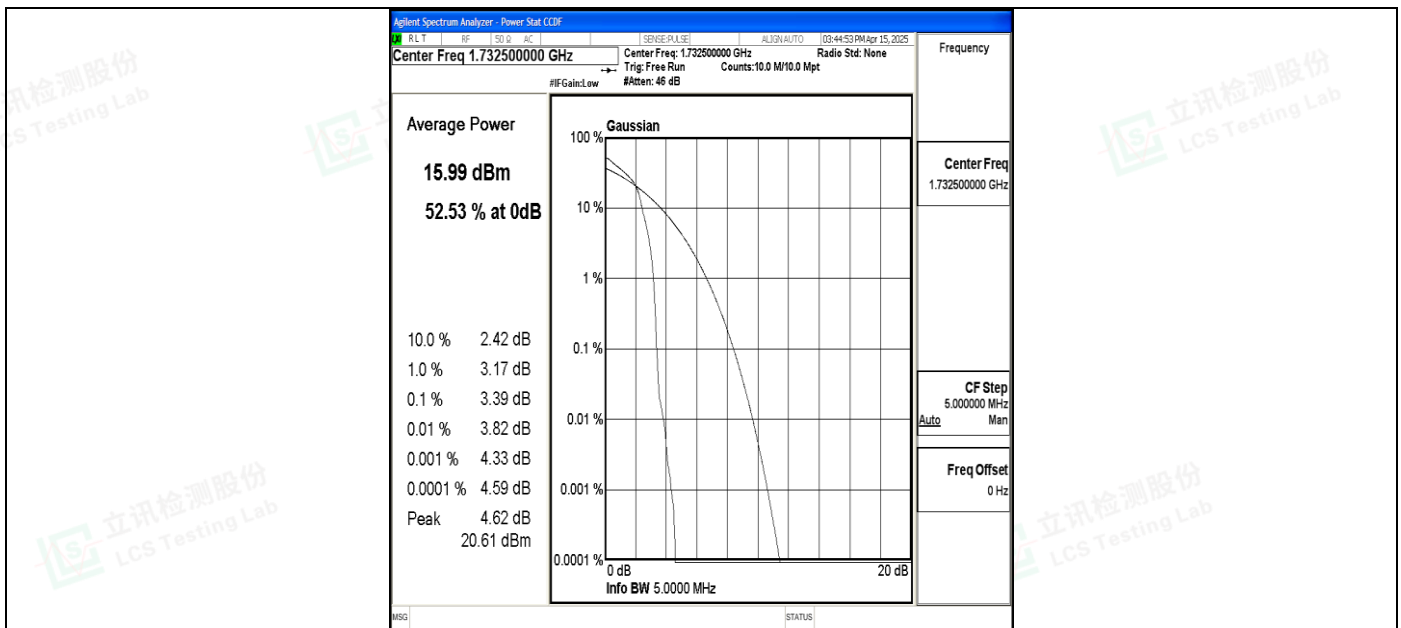
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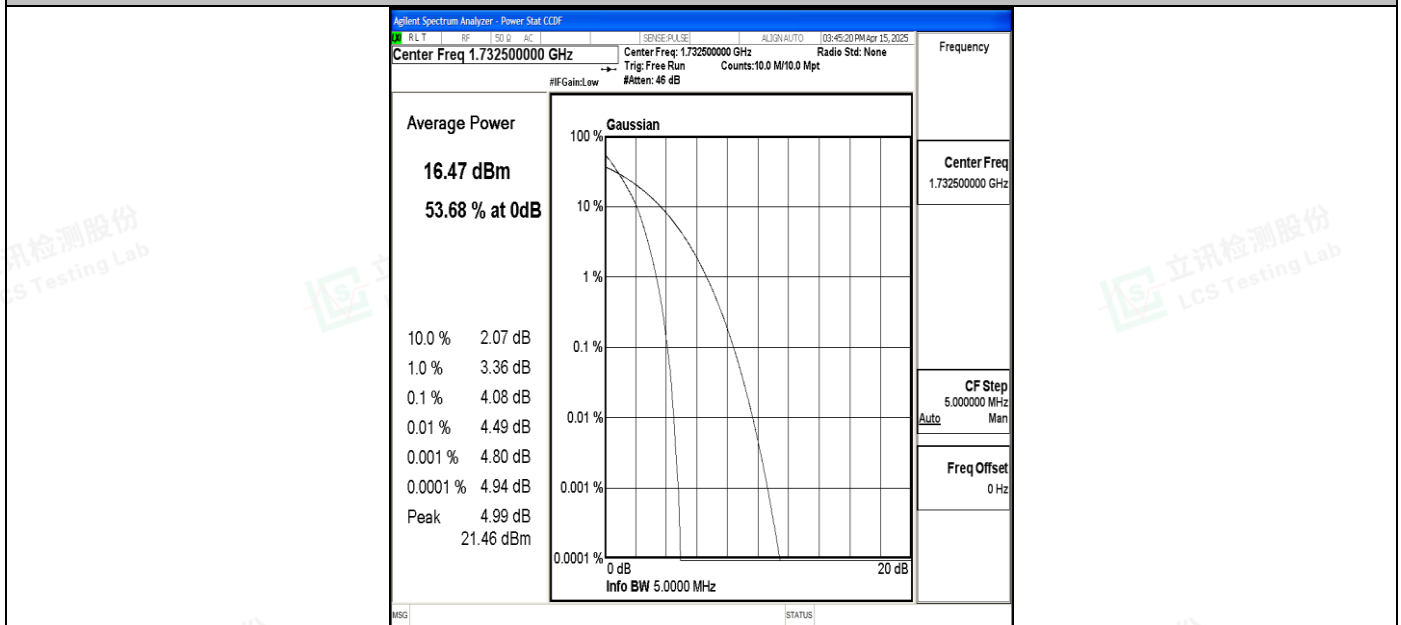
Band4-5MHz-QPSK-20175-1RB#0-PASS



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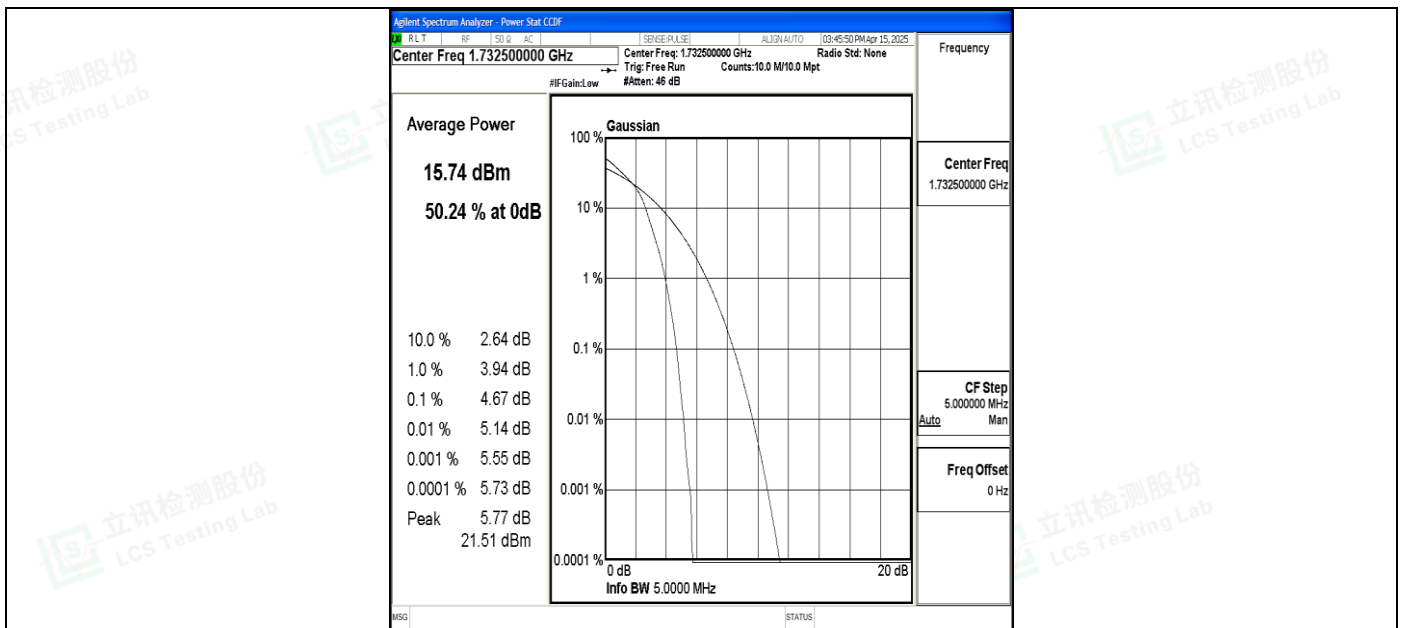


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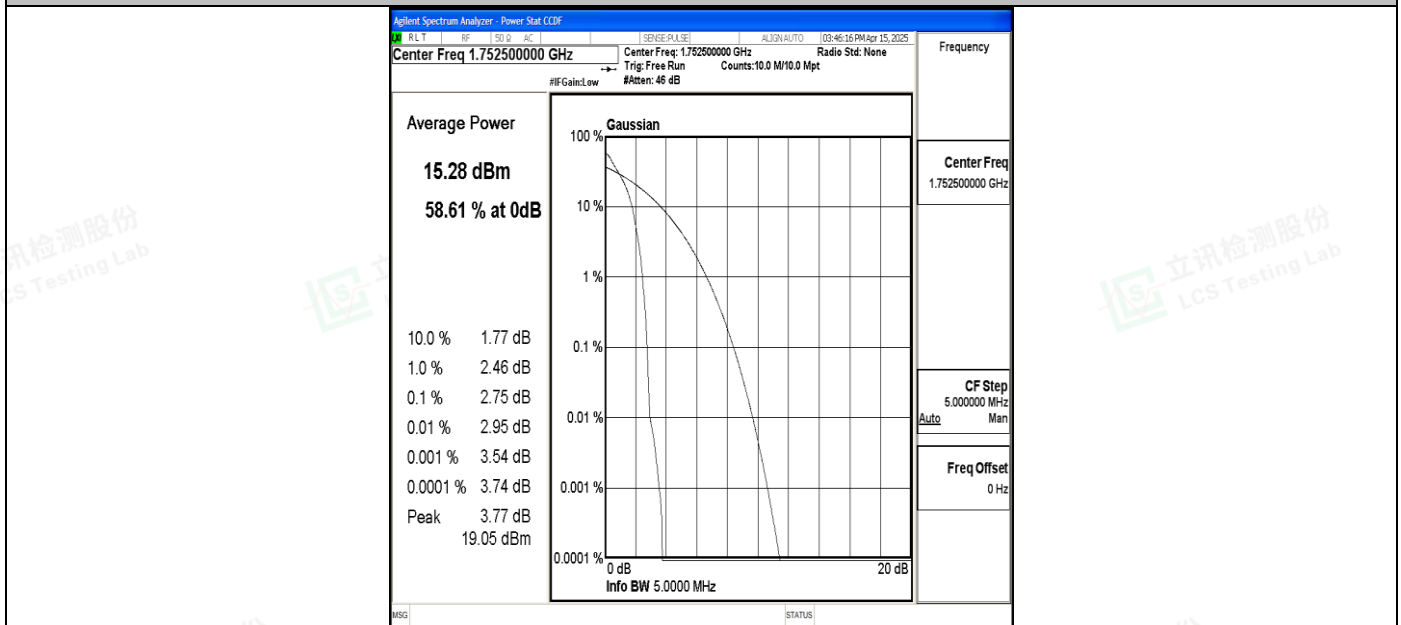


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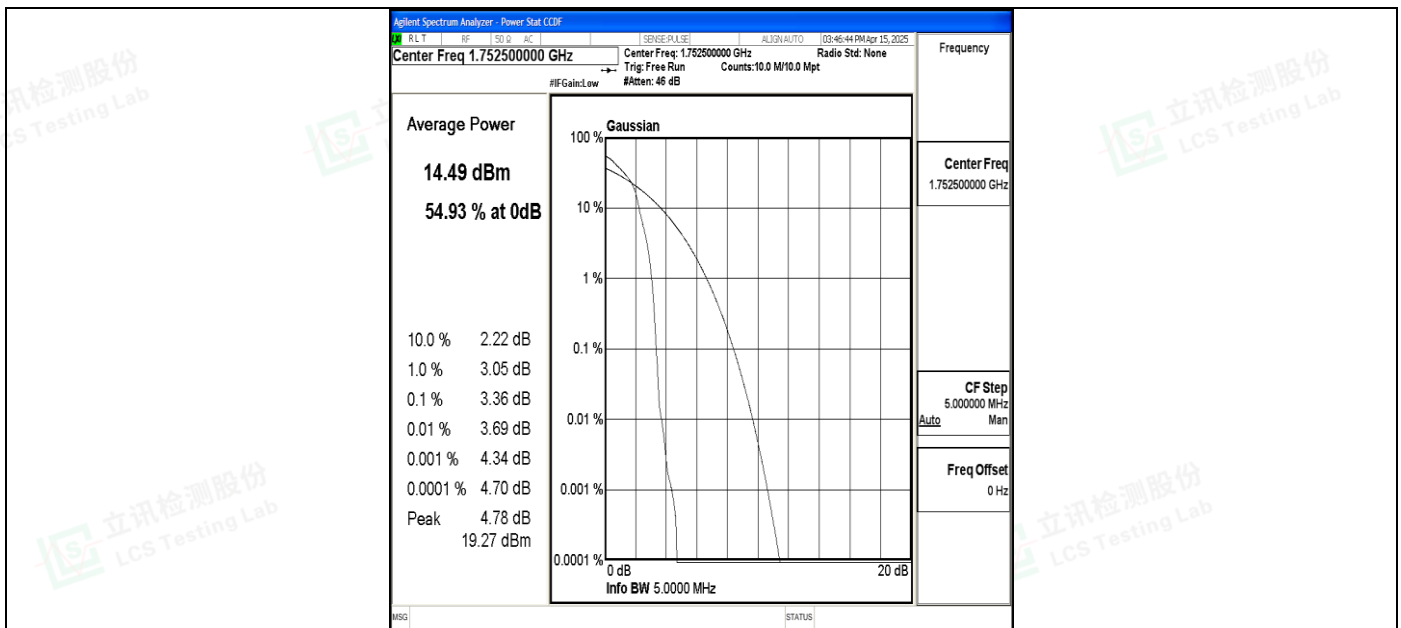
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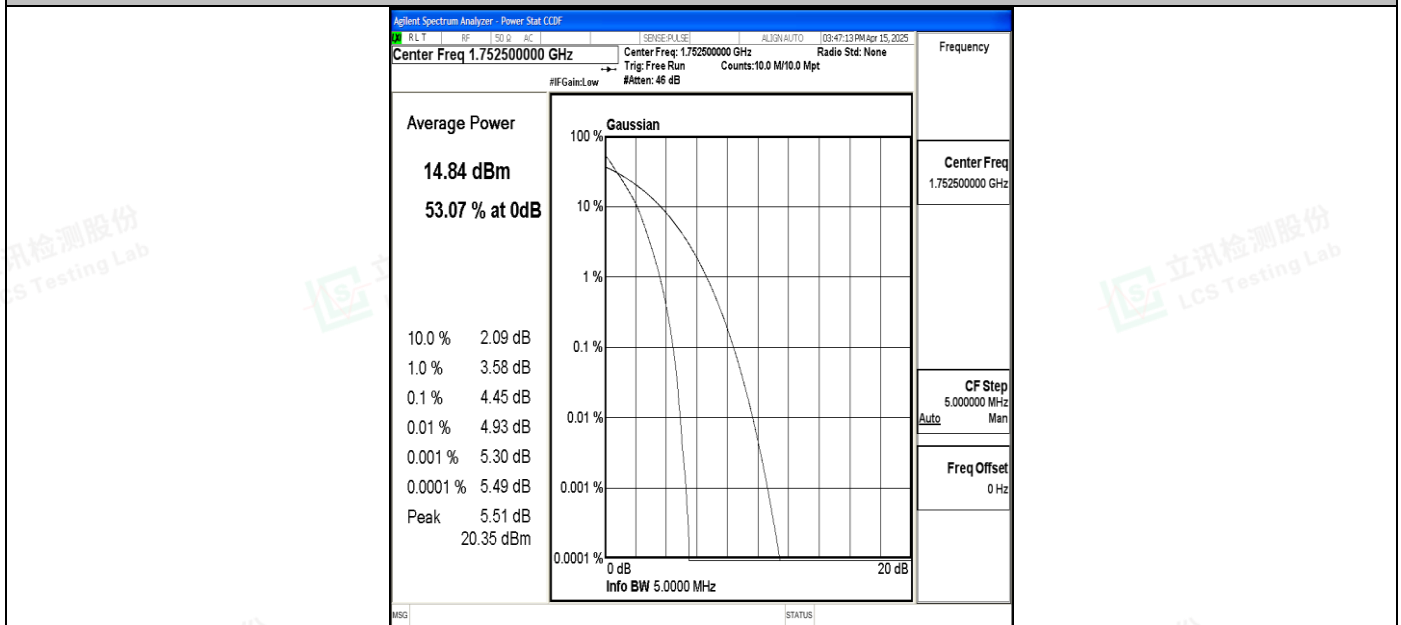
Band4-5MHz-QPSK-20375-1RB#0-PASS



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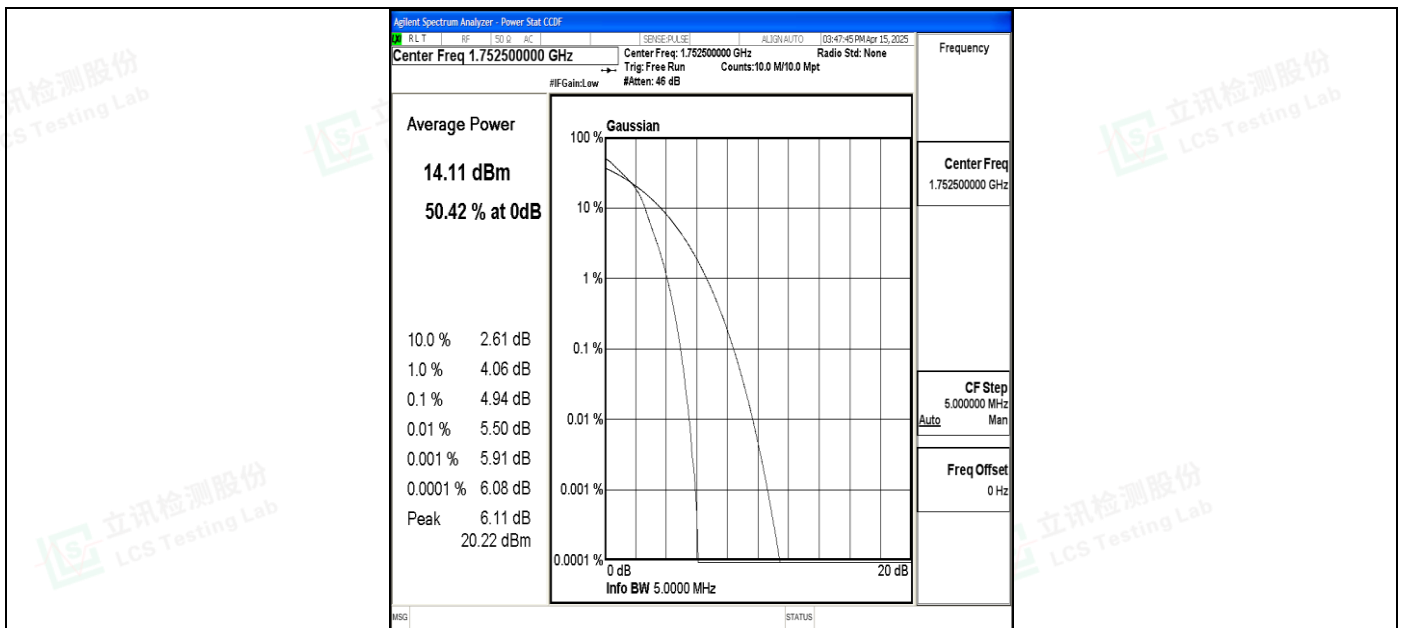


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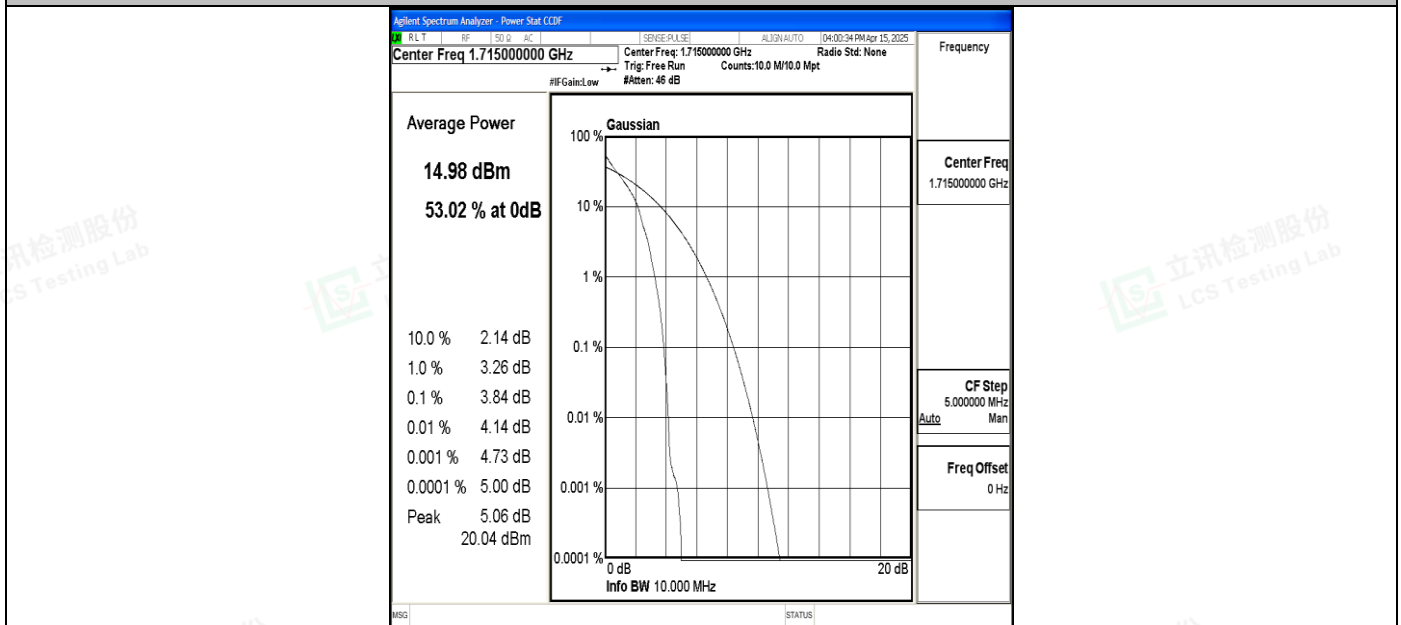


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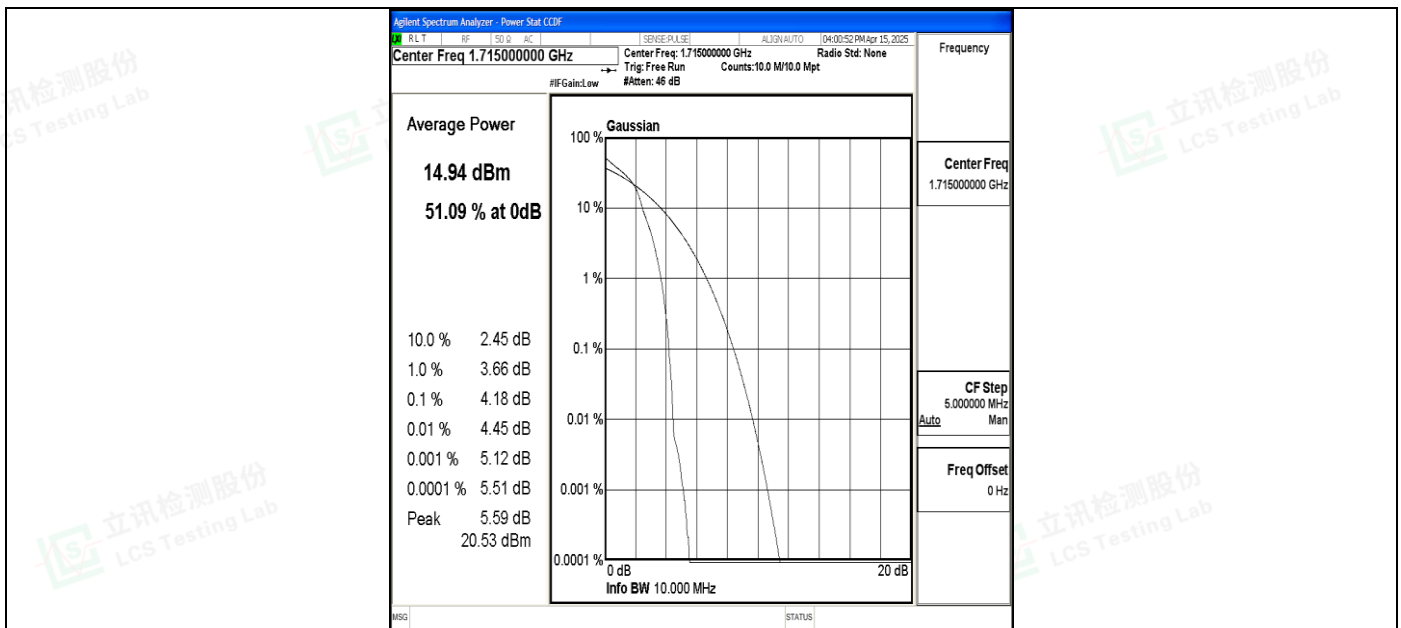


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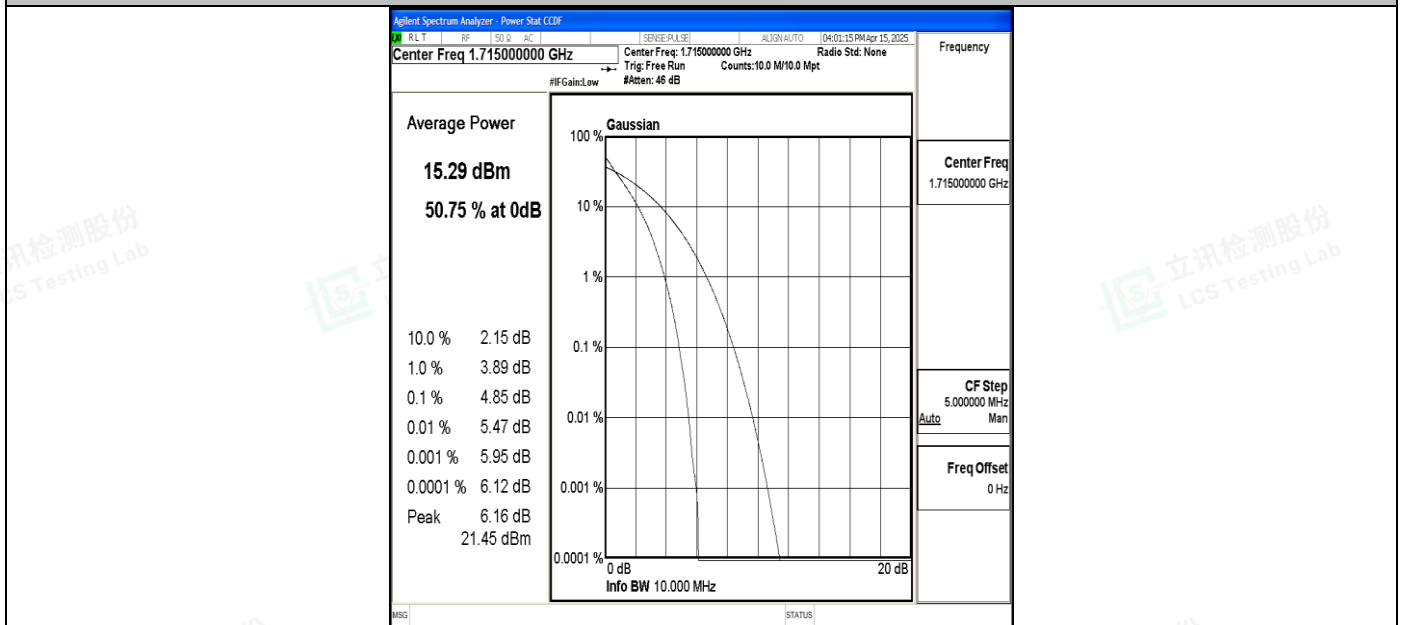


Band4-10MHz-QPSK-20000-1RB#0-PASS



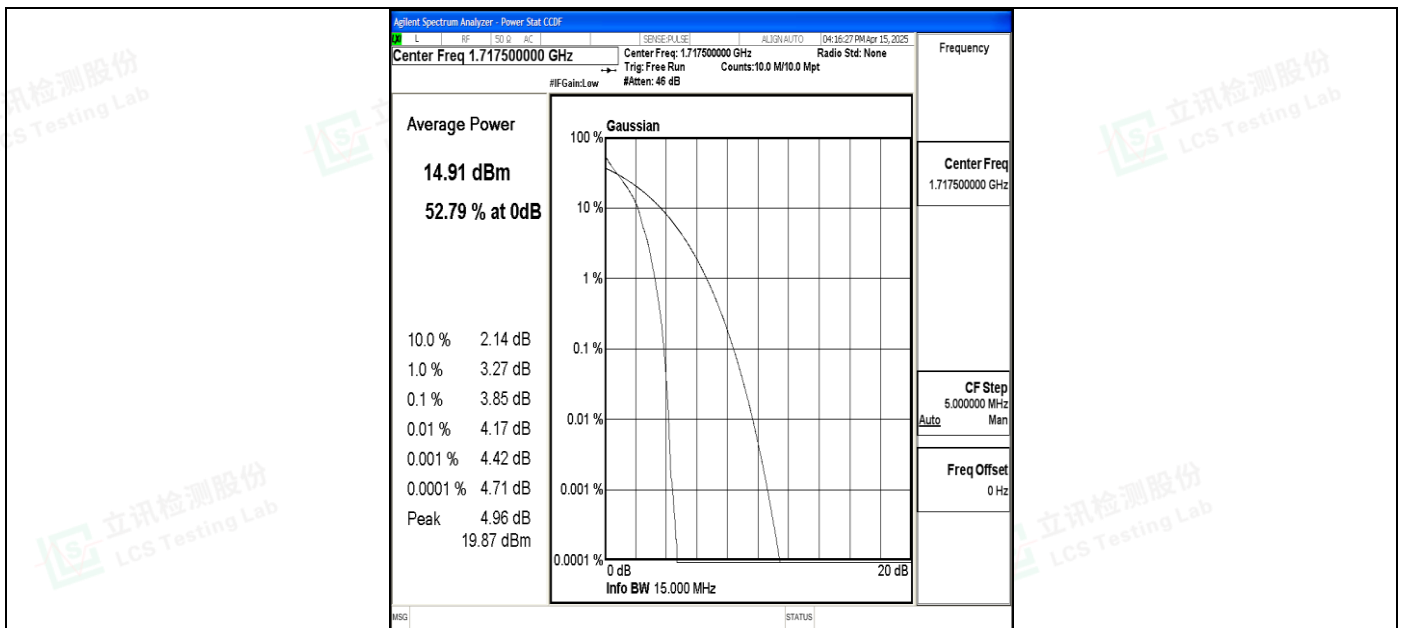


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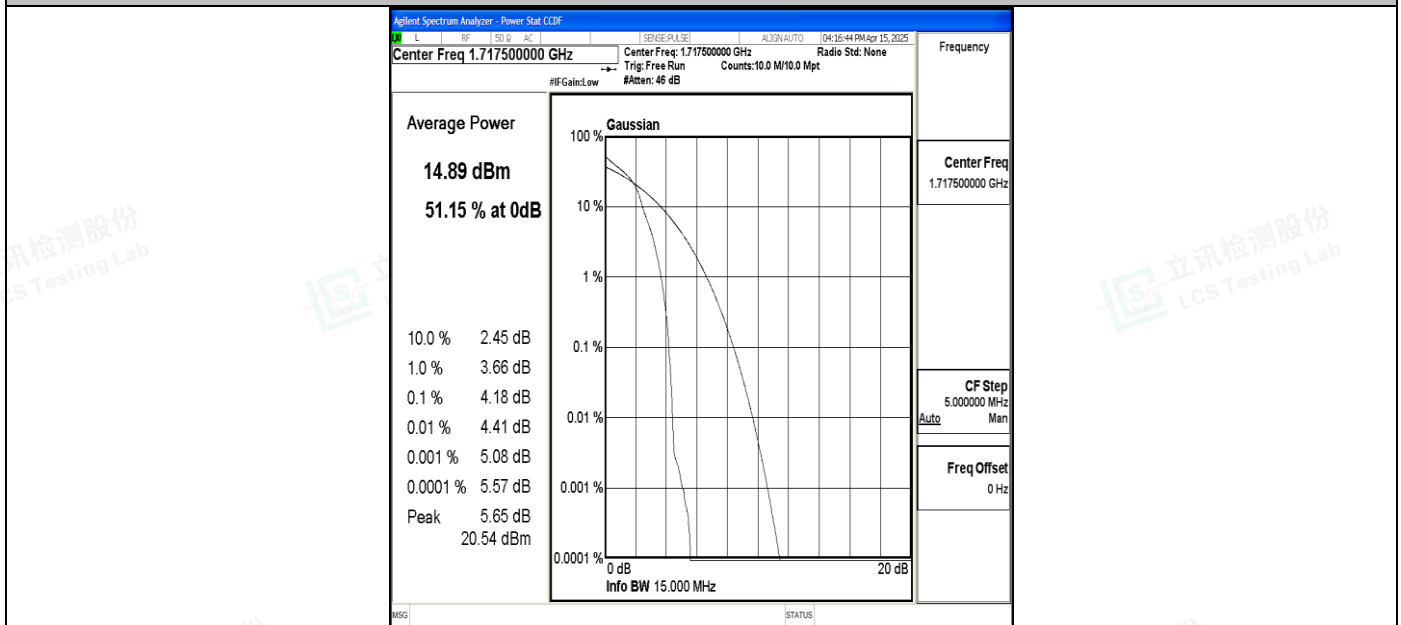


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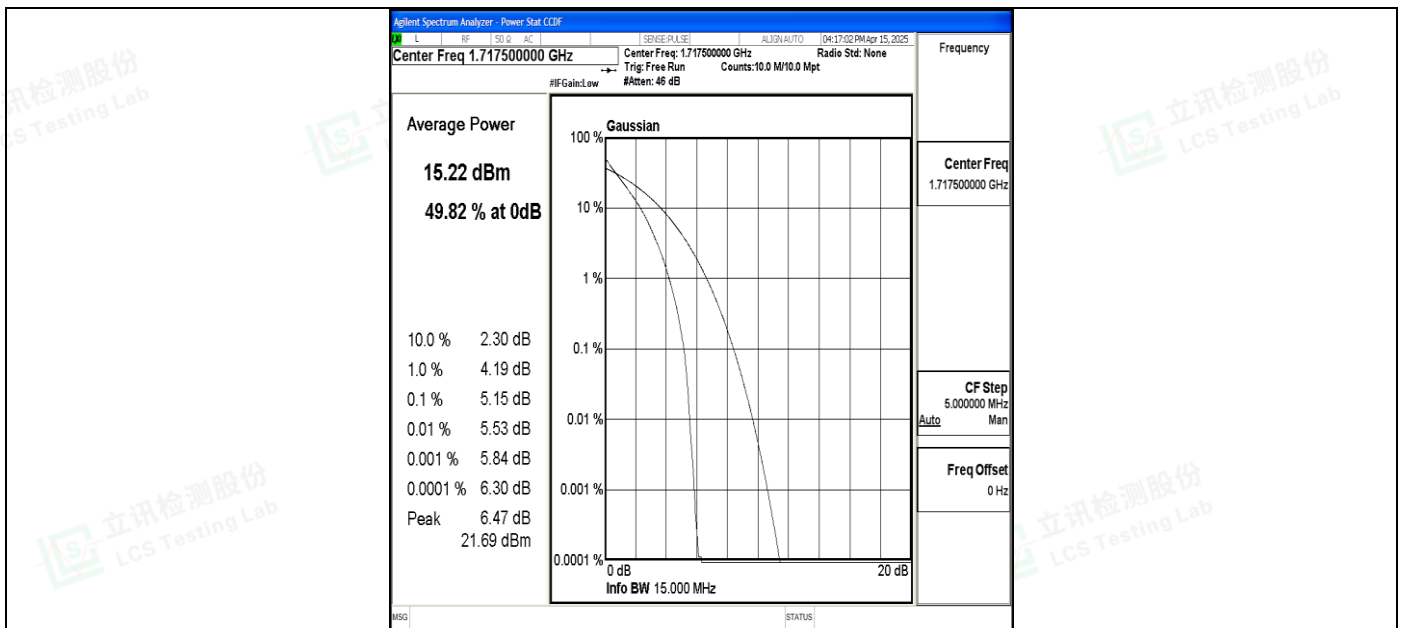
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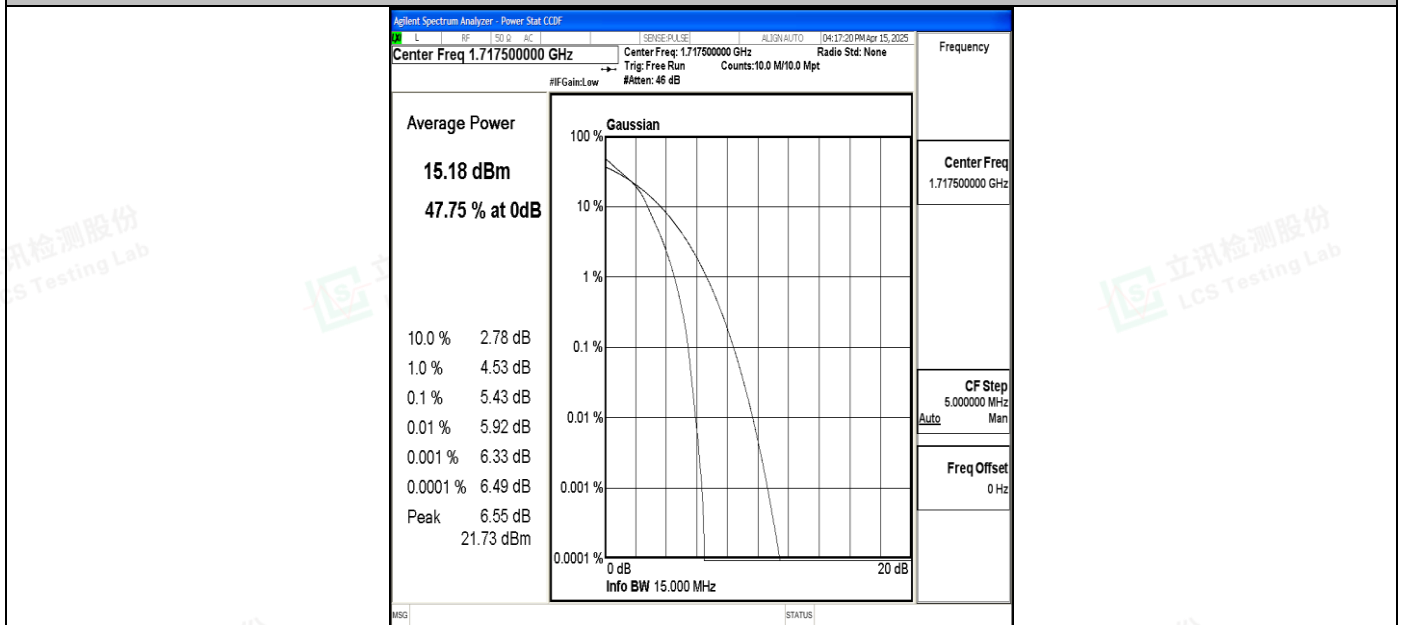
Band4-15MHz-16QAM-20025-1RB#0-PASS



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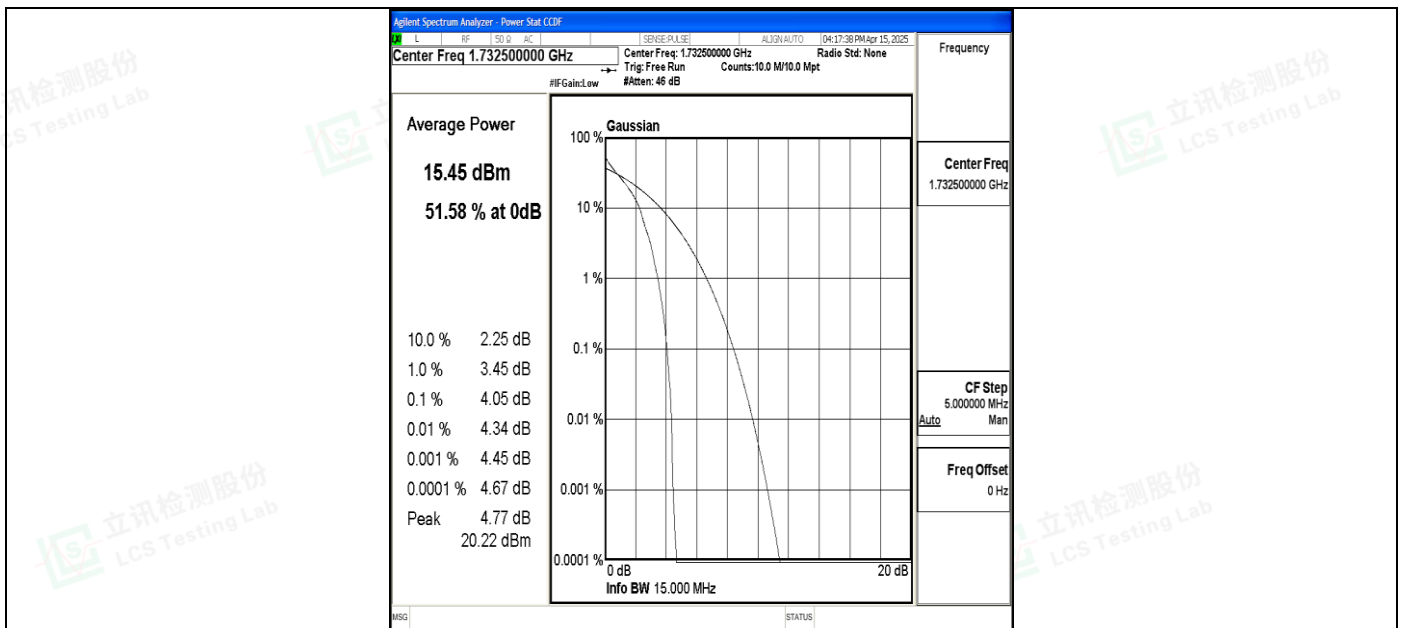
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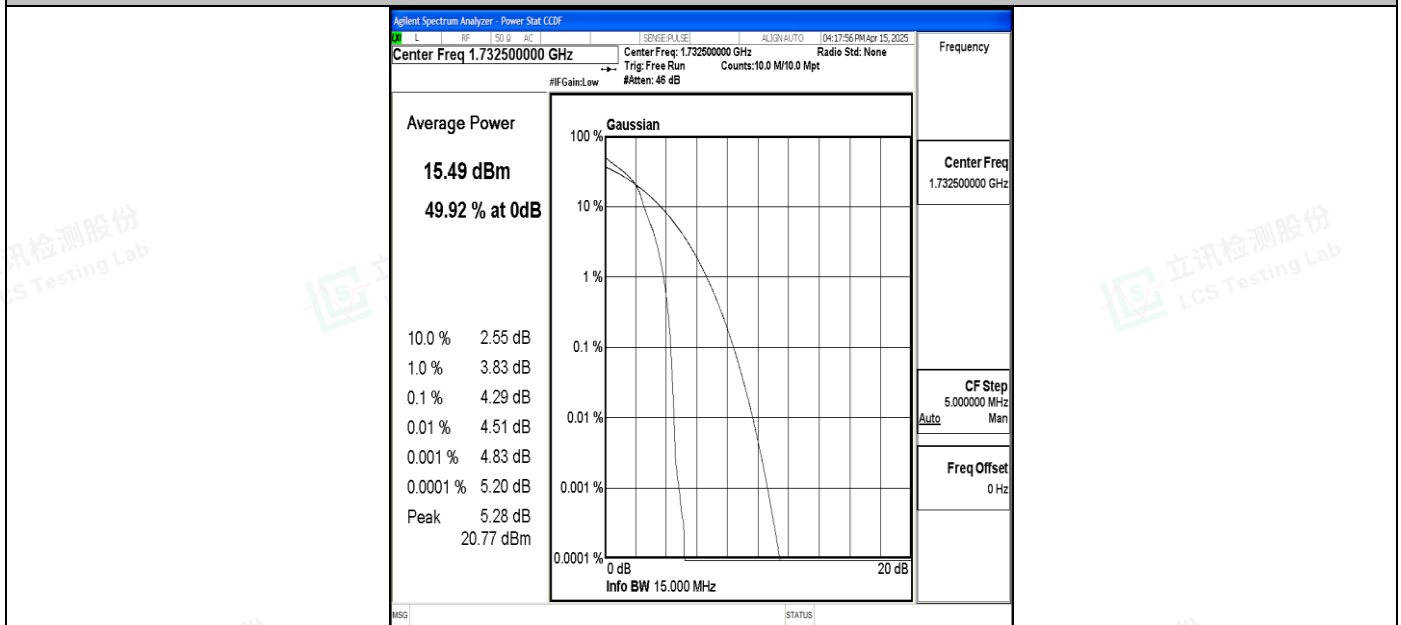
Band4-15MHz-16QAM-20025-75RB#0-PASS



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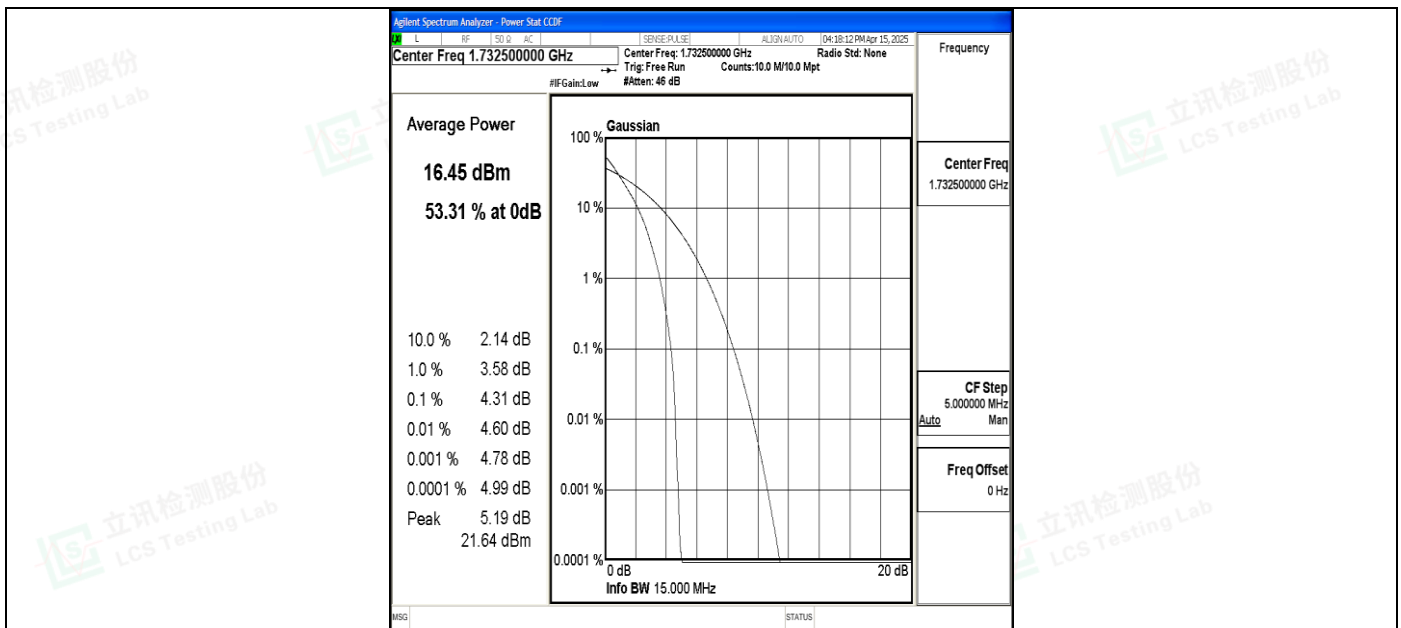
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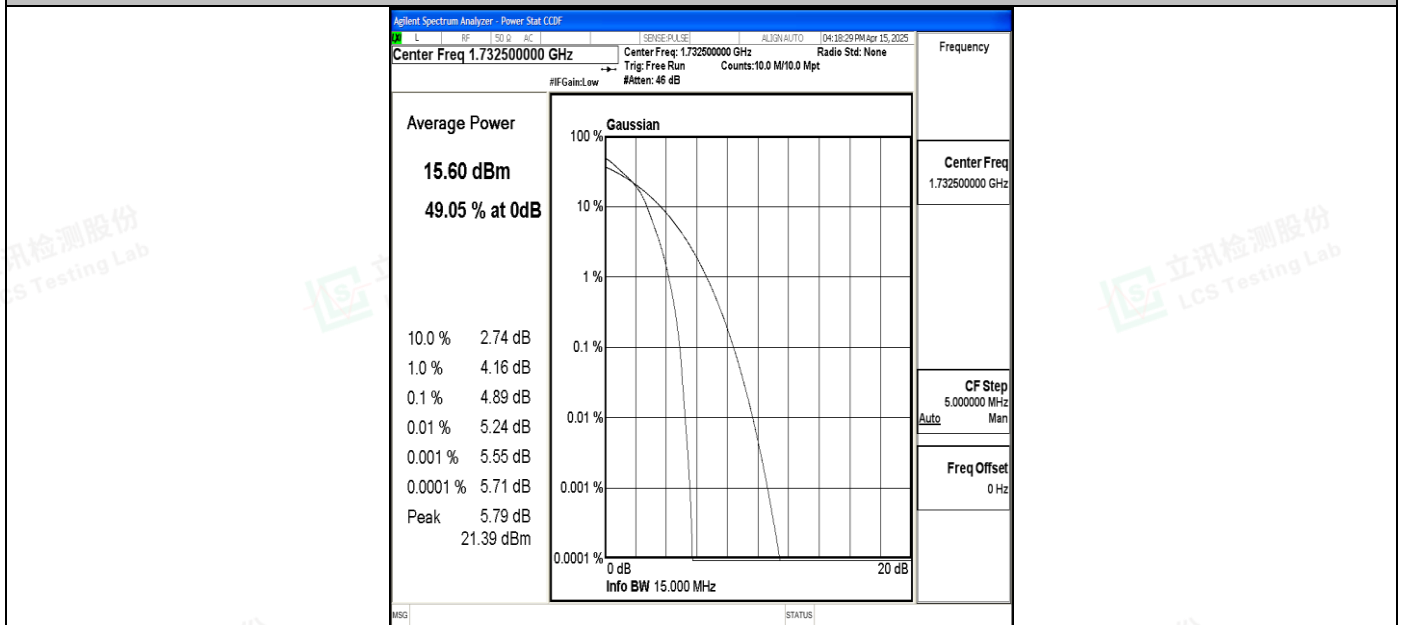
Band4-15MHz-16QAM-20175-1RB#0-PASS



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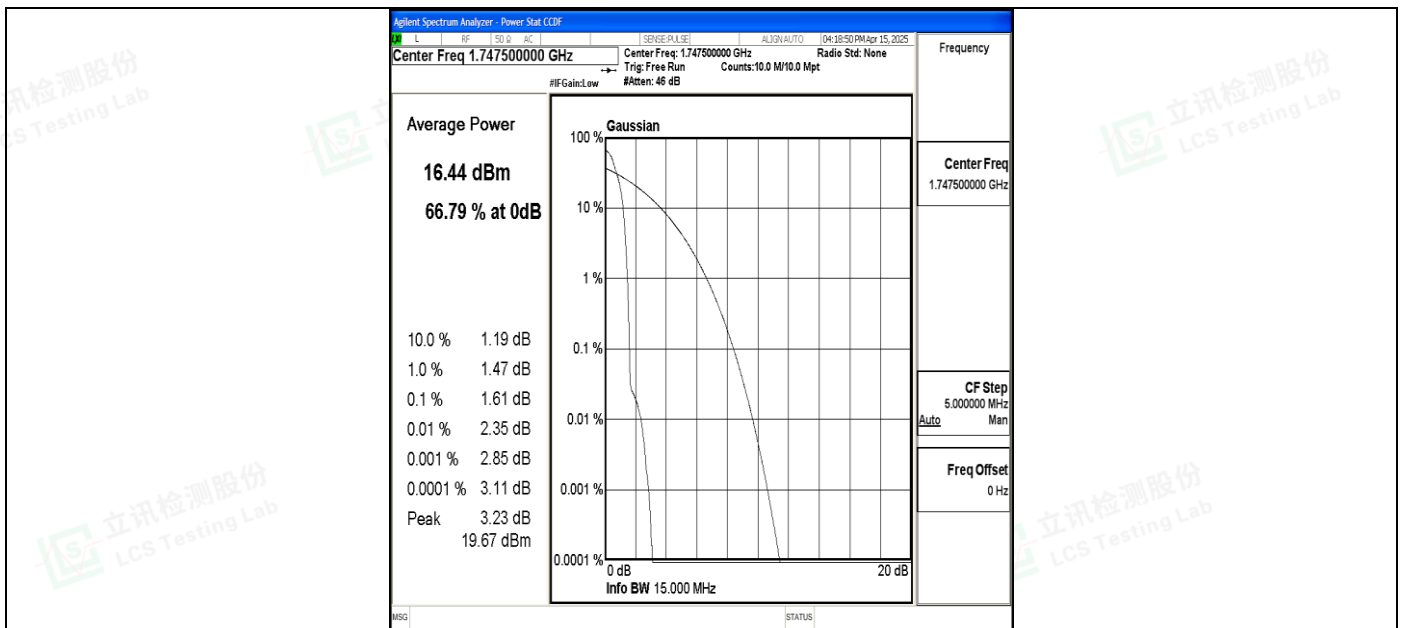
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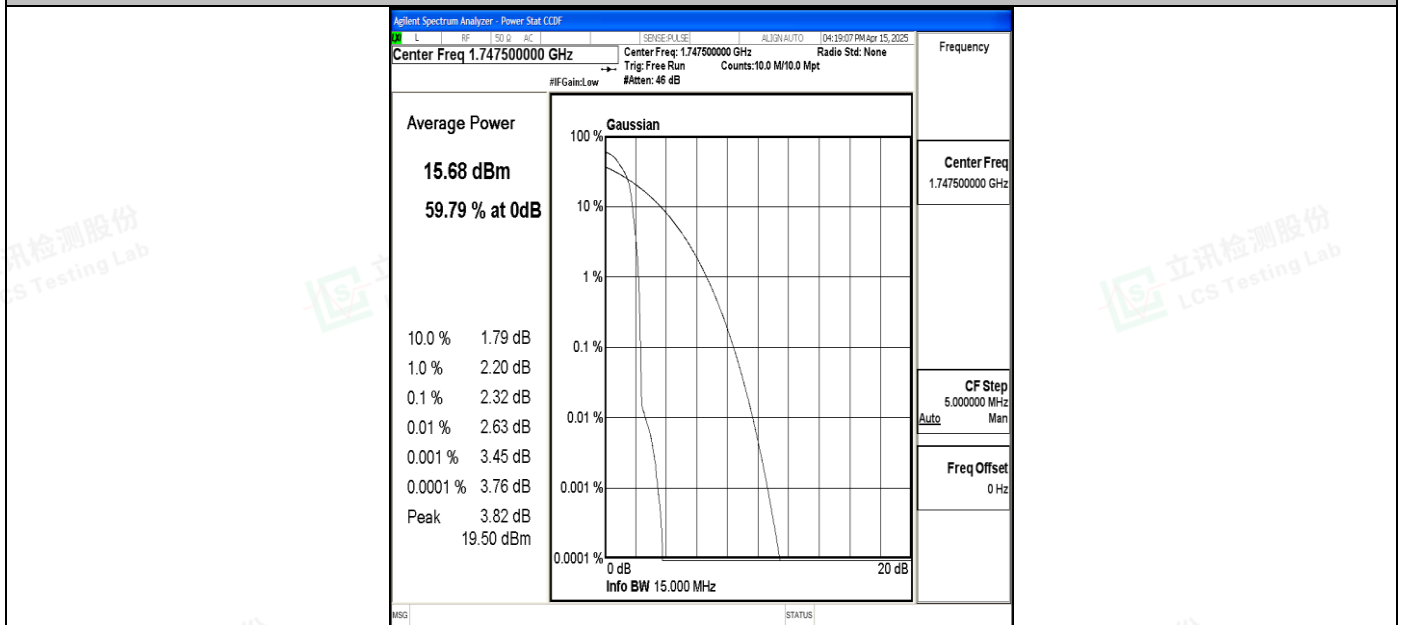
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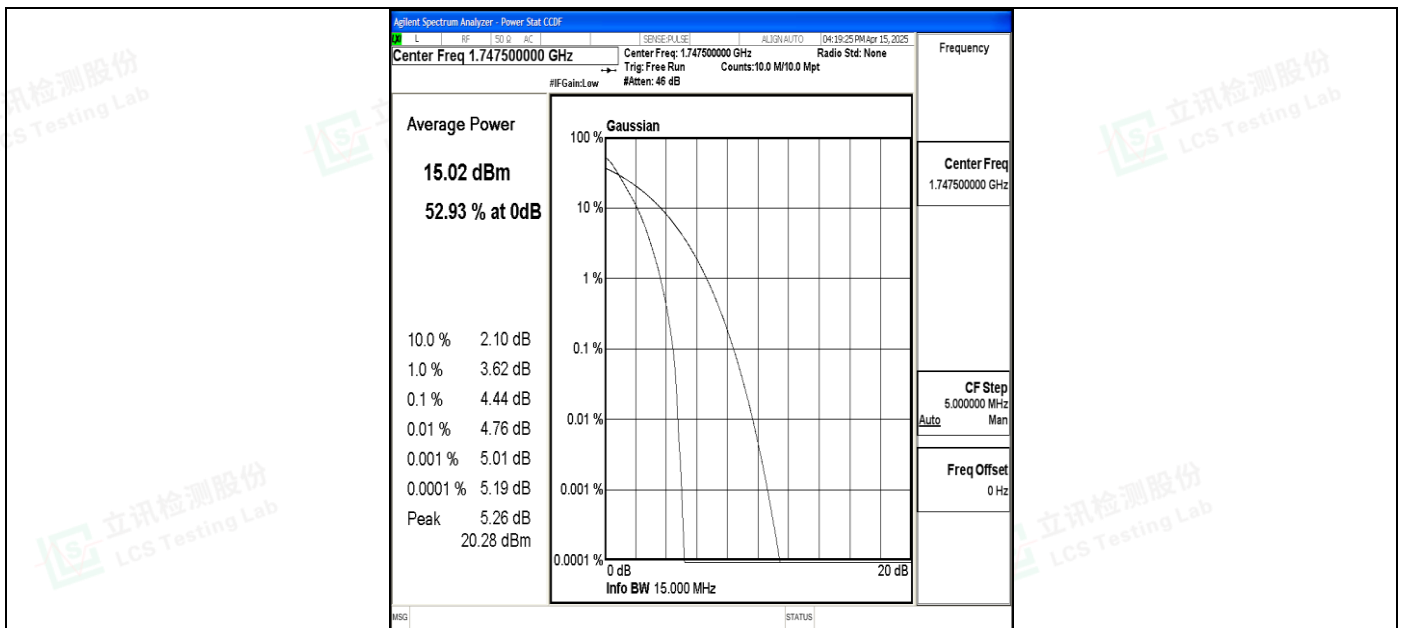


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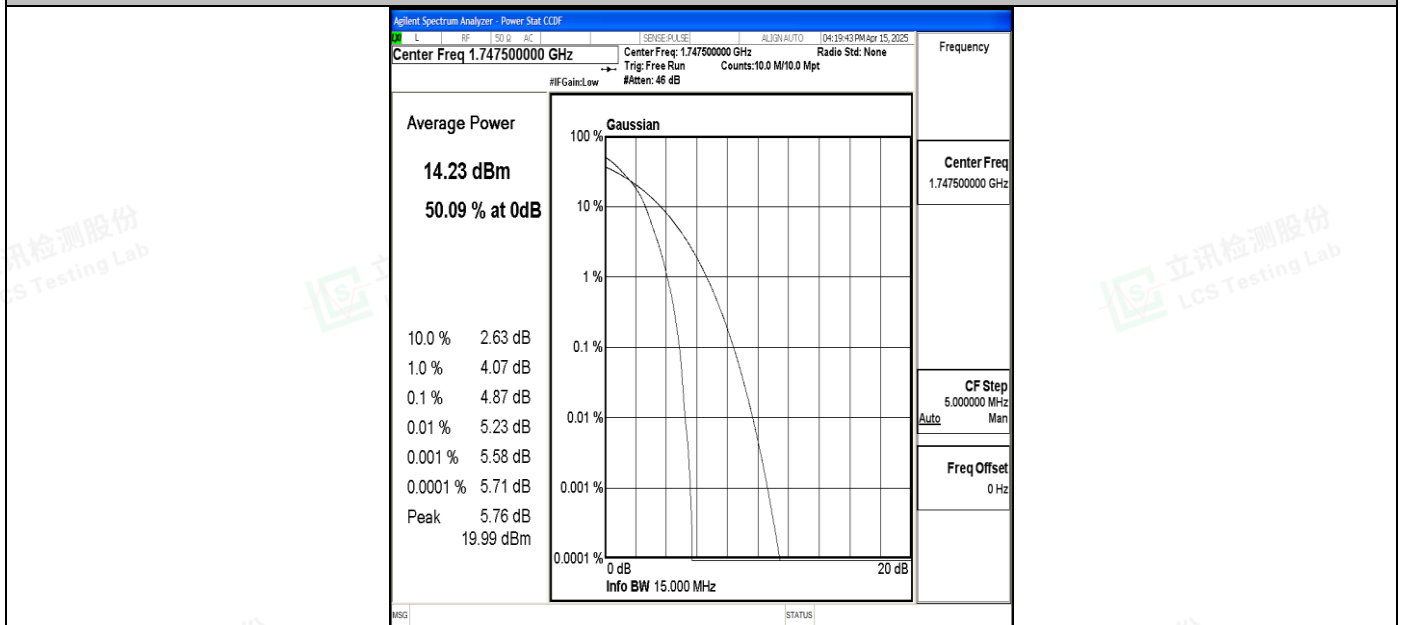


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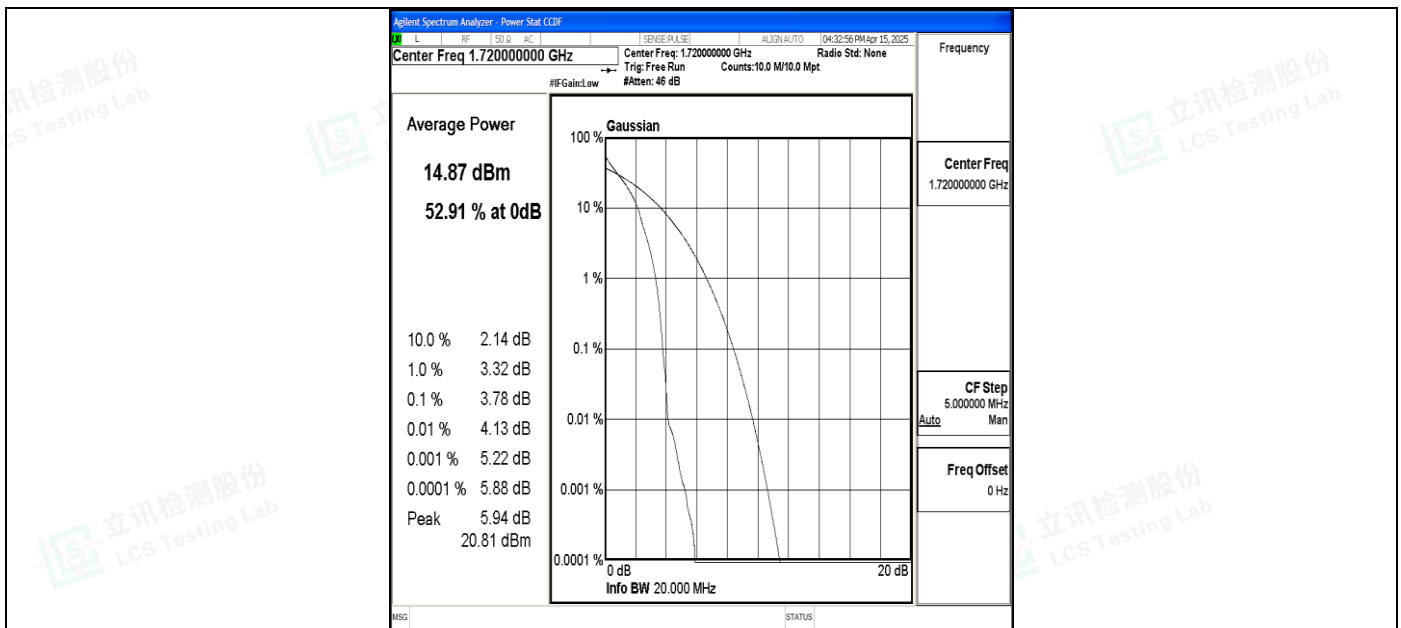


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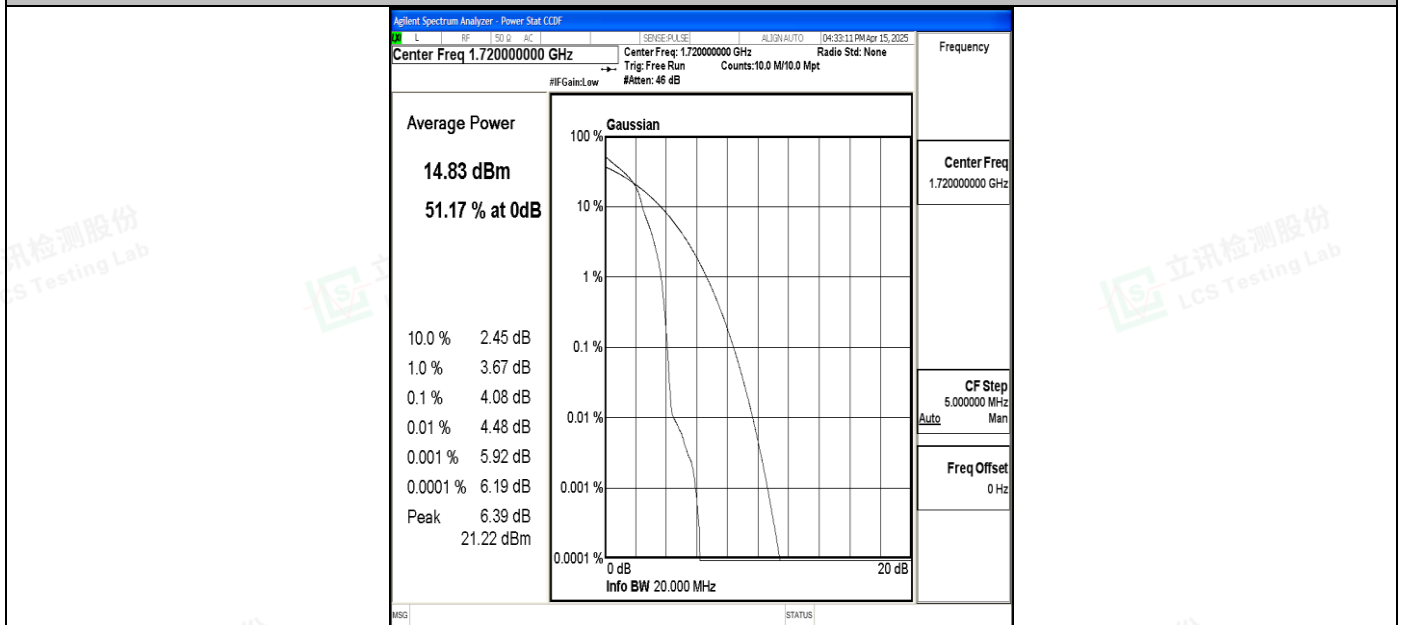


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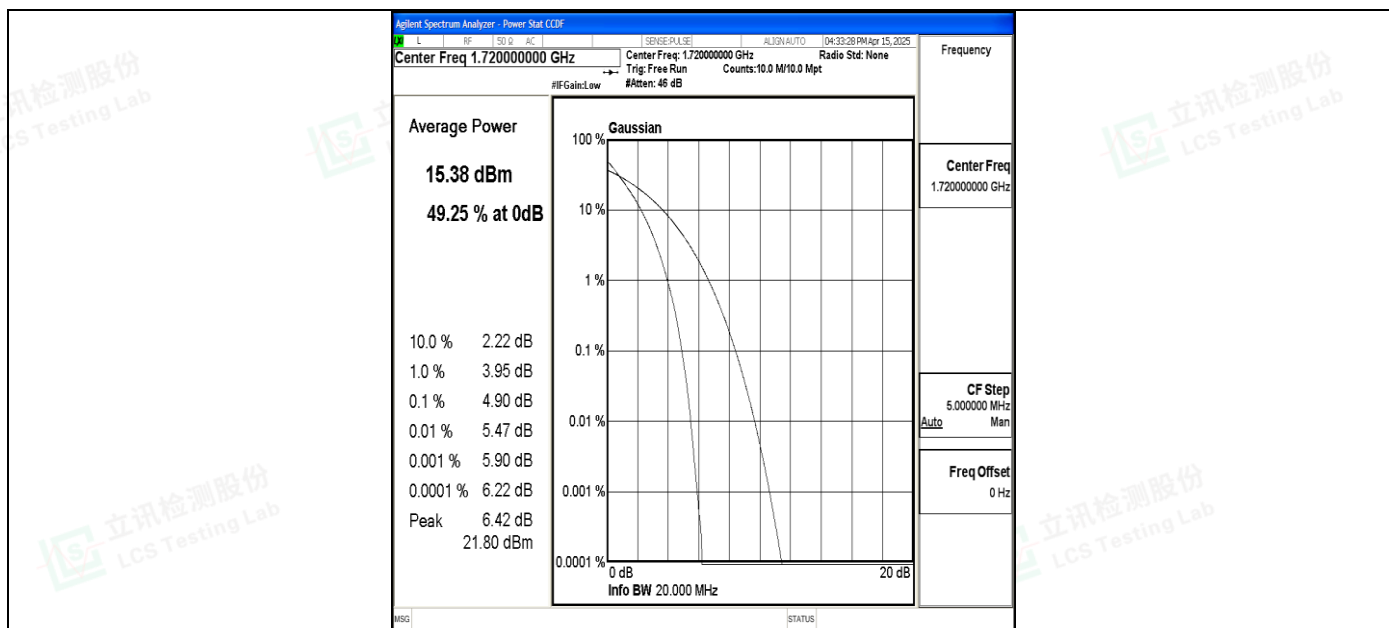


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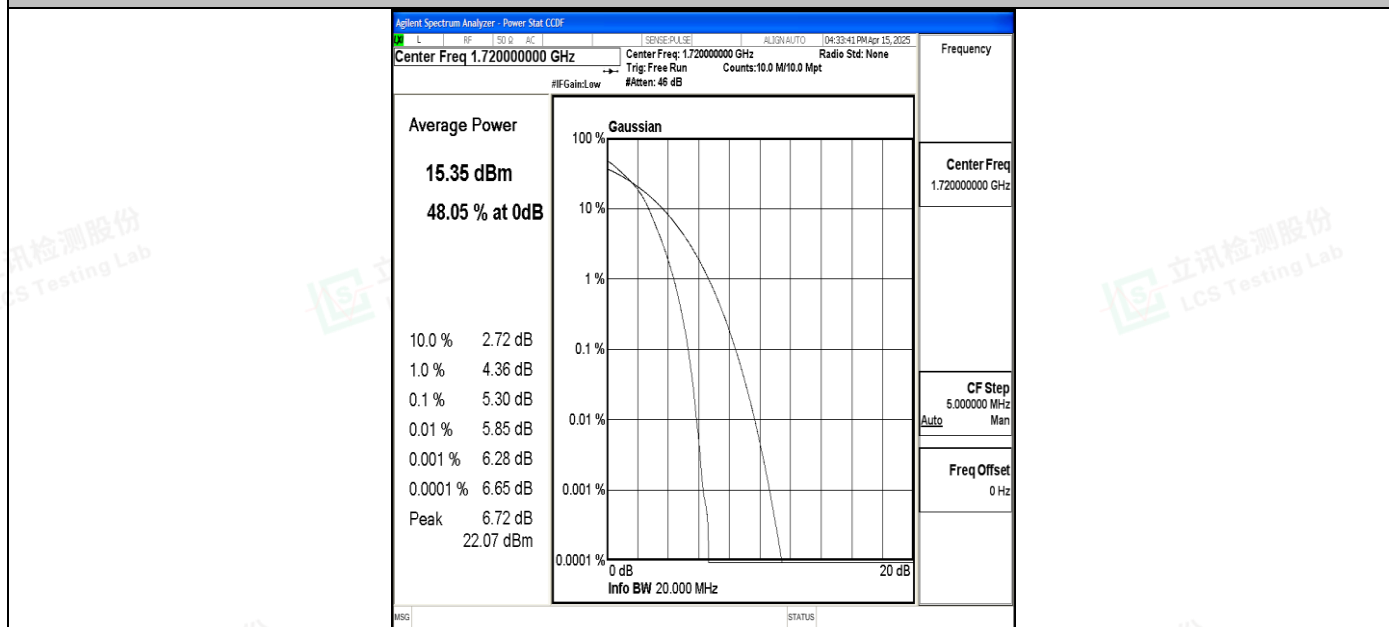


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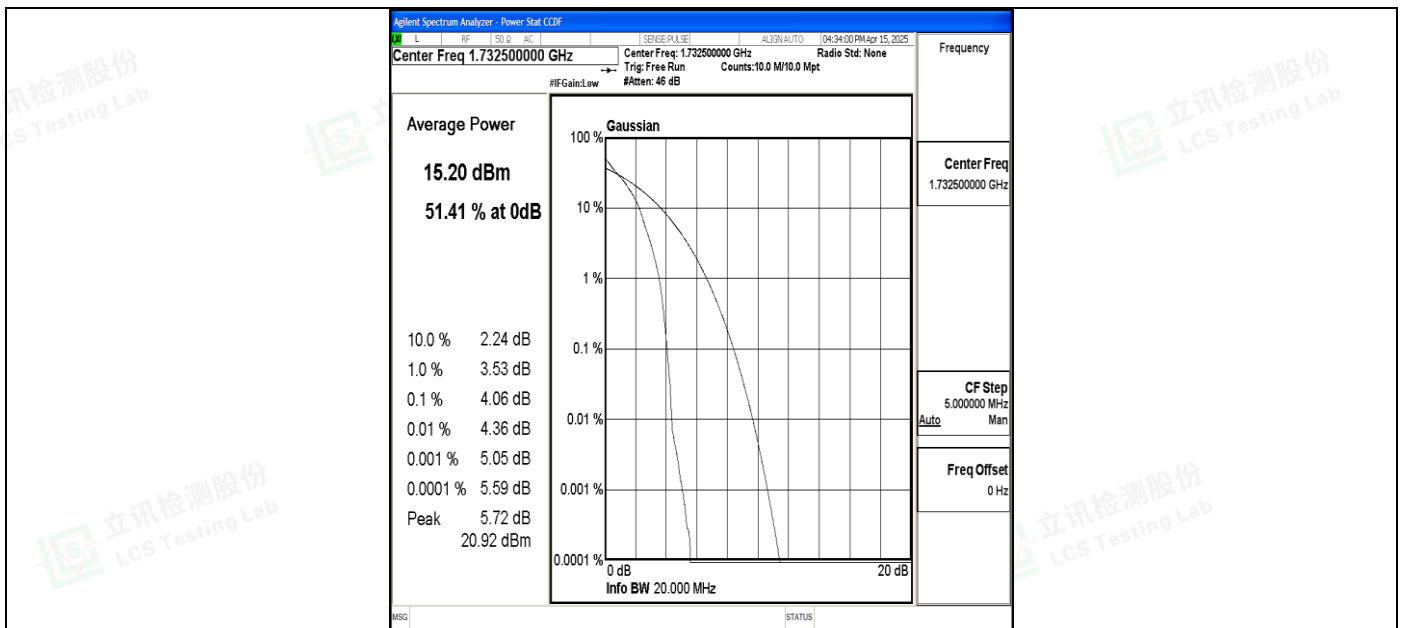


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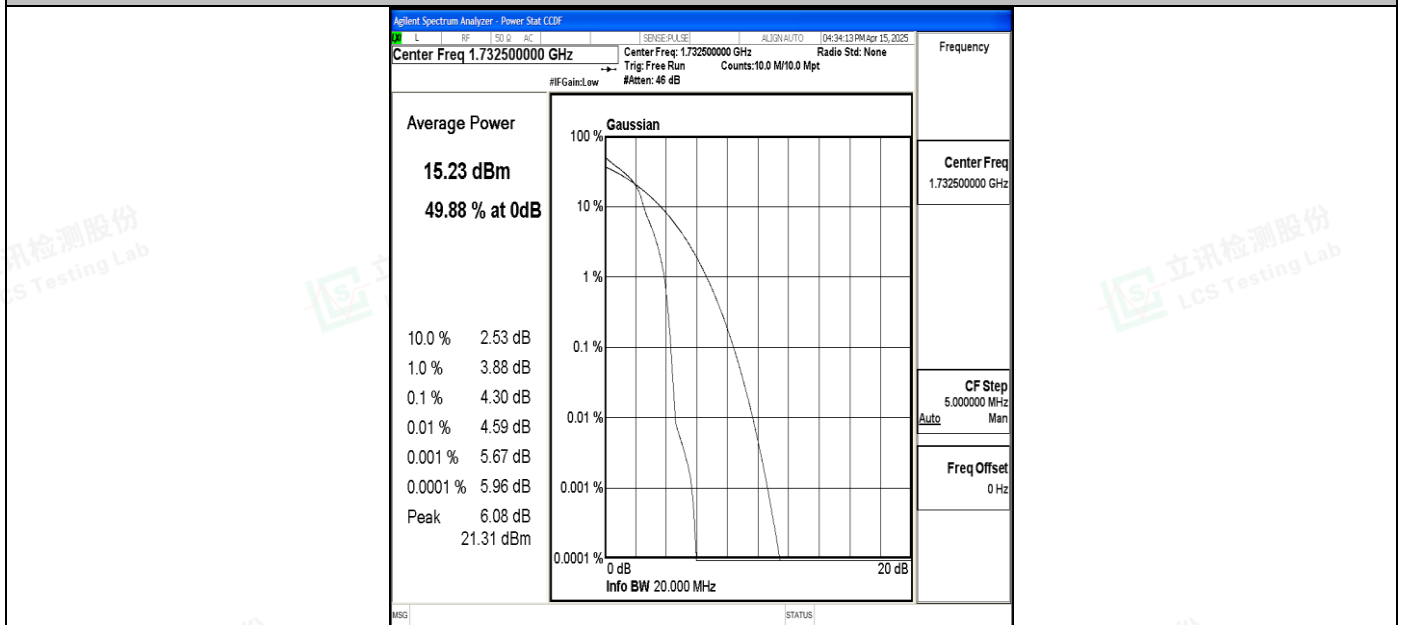


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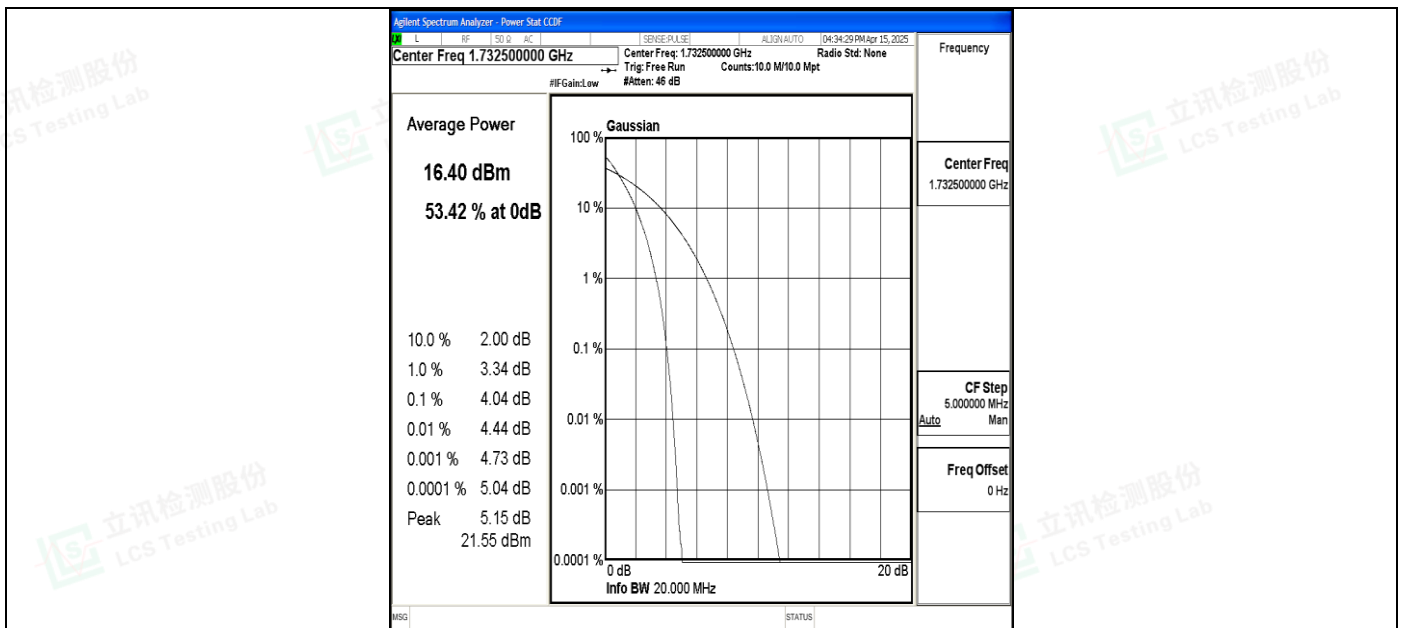
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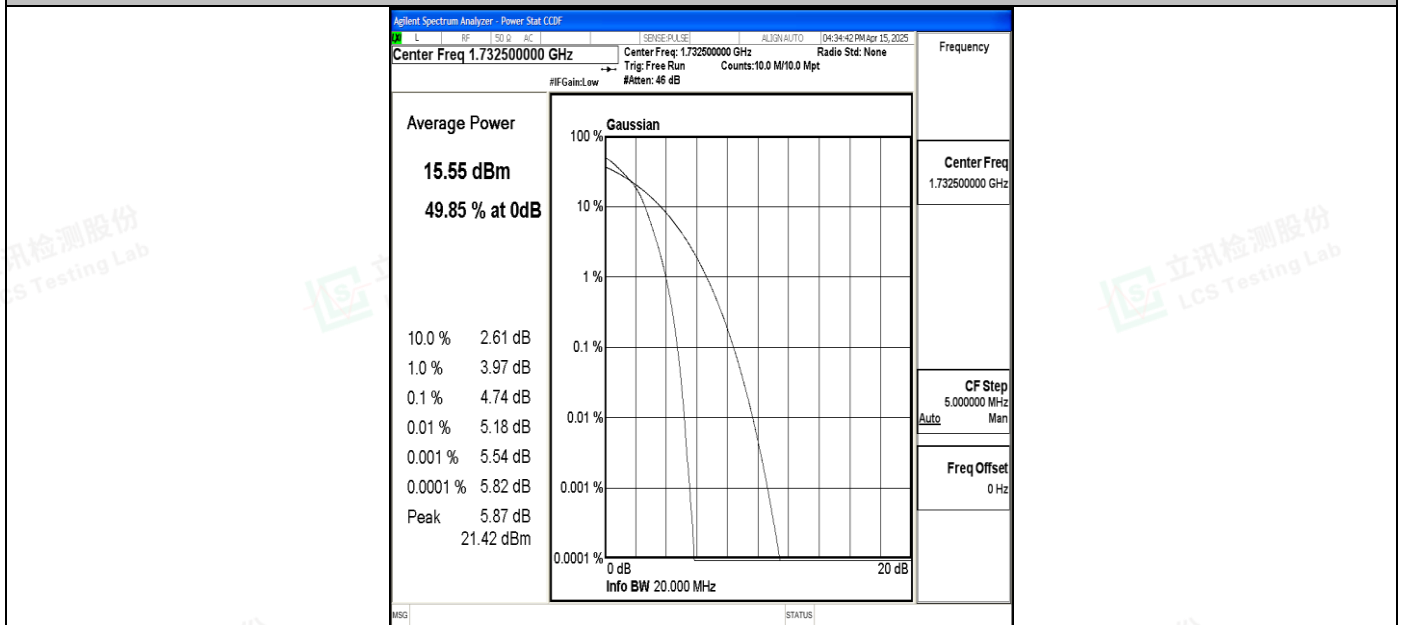
Band4-20MHz-16QAM-20175-1RB#0-PASS



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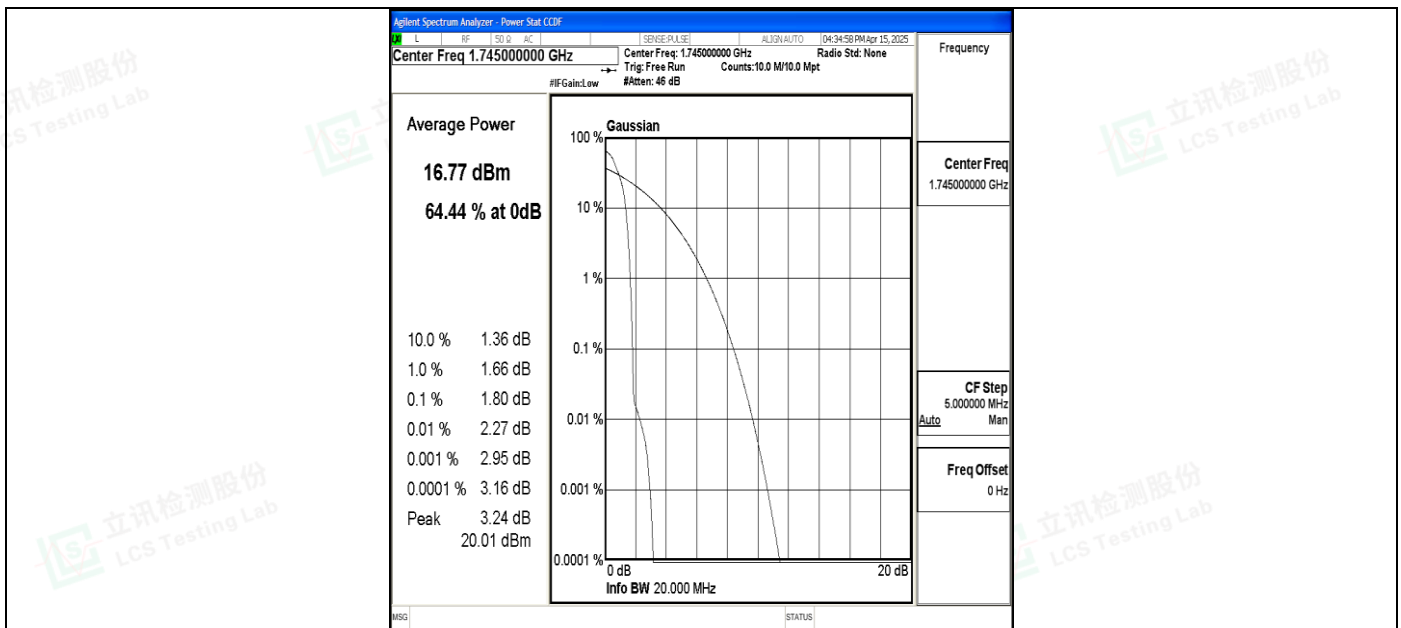


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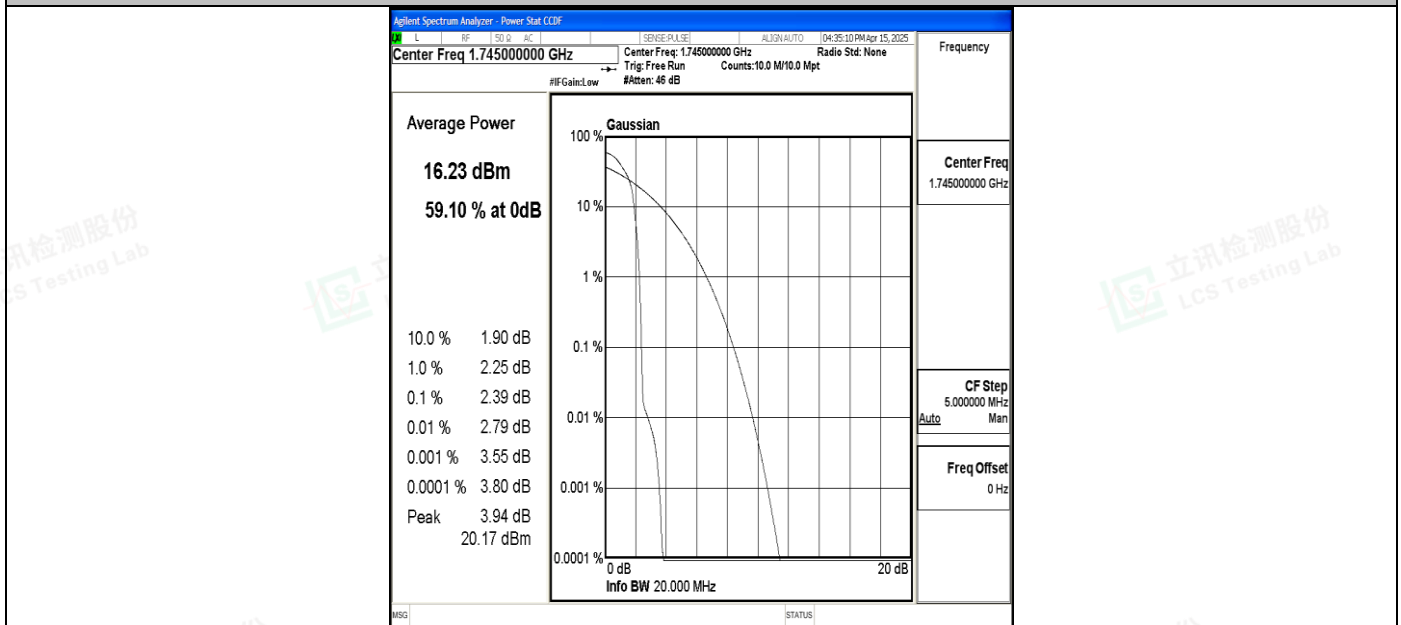


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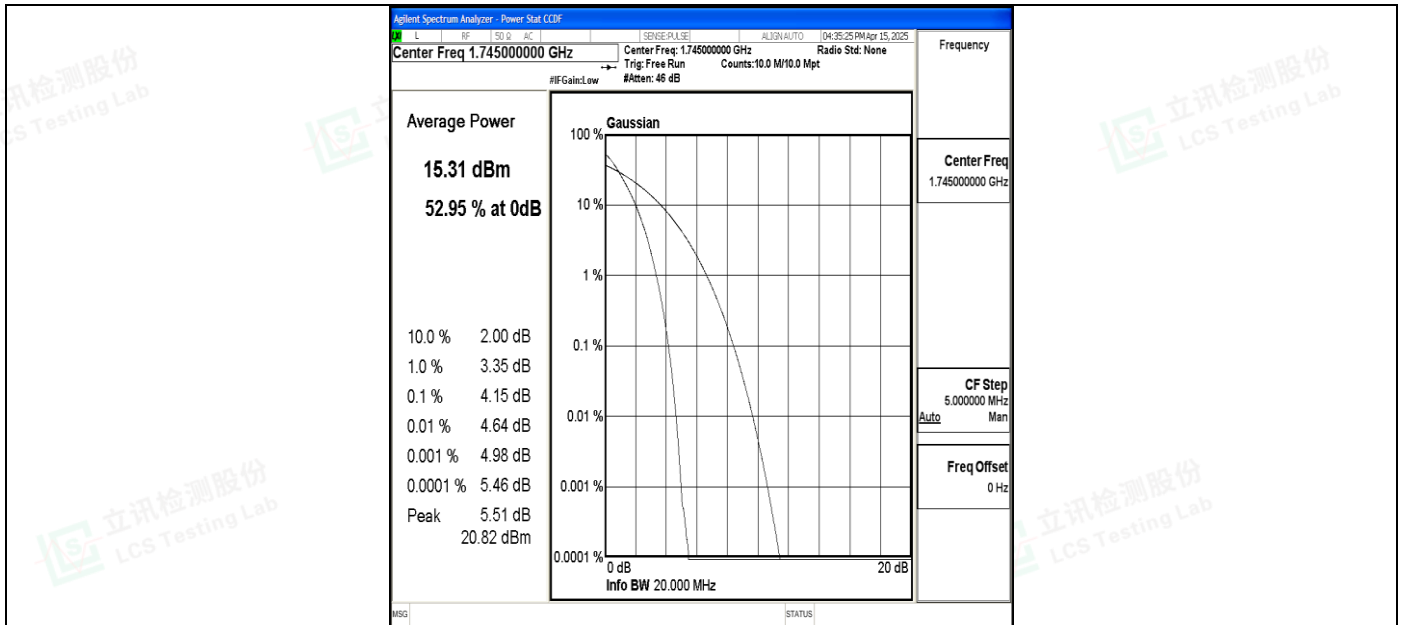
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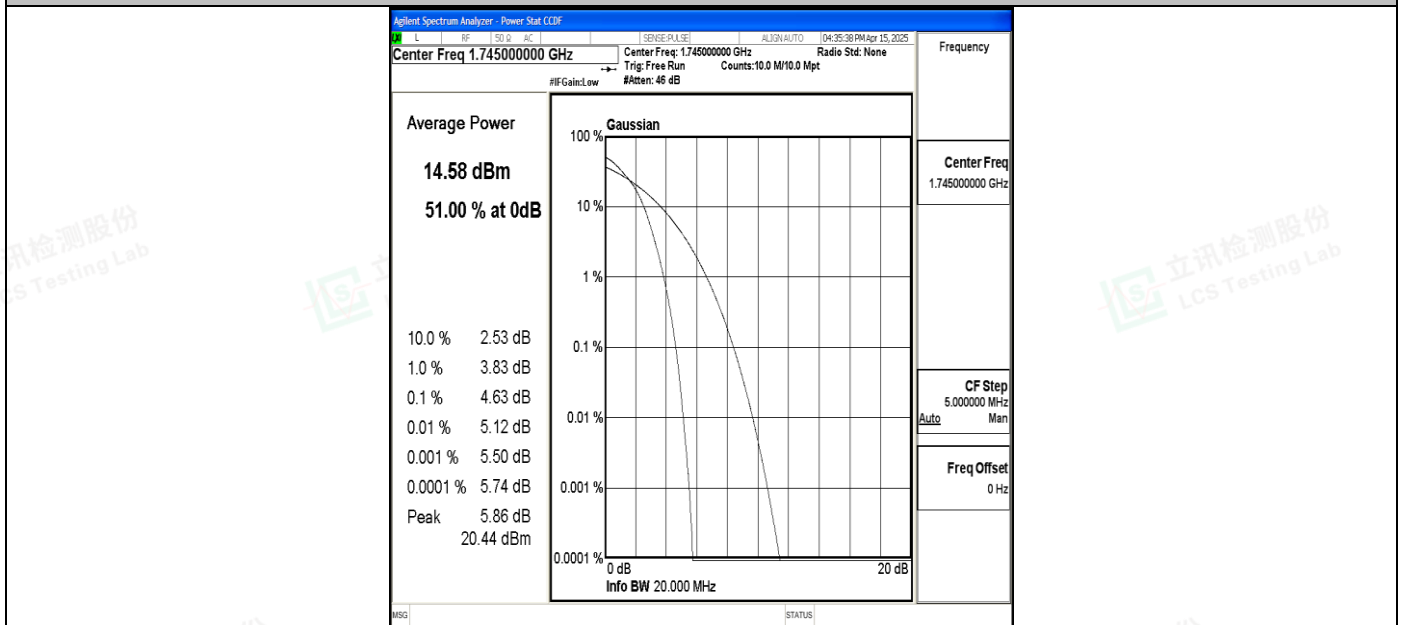
Band4-20MHz-16QAM-20300-1RB#0-PASS



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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	1.0984	1.354	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1108	1.344	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1241	2.009	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1314	2.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1051	1.598	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1138	1.484	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7738	3.604	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7726	3.413	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.8203	4.281	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7788	4.903	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7789	3.707	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7769	3.643	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5404	5.450	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5269	5.410	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5732	7.762	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5585	6.477	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5384	5.732	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5401	6.143	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0041	10.03	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0357	10.09	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0947	15.26	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0866	15.32	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.1008	15.06	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.1008	15.99	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.528	16.13	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.525	15.14	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.648	20.99	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.598	24.07	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.699	25.03	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.662	25.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.015	19.98	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.101	22.83	PASS



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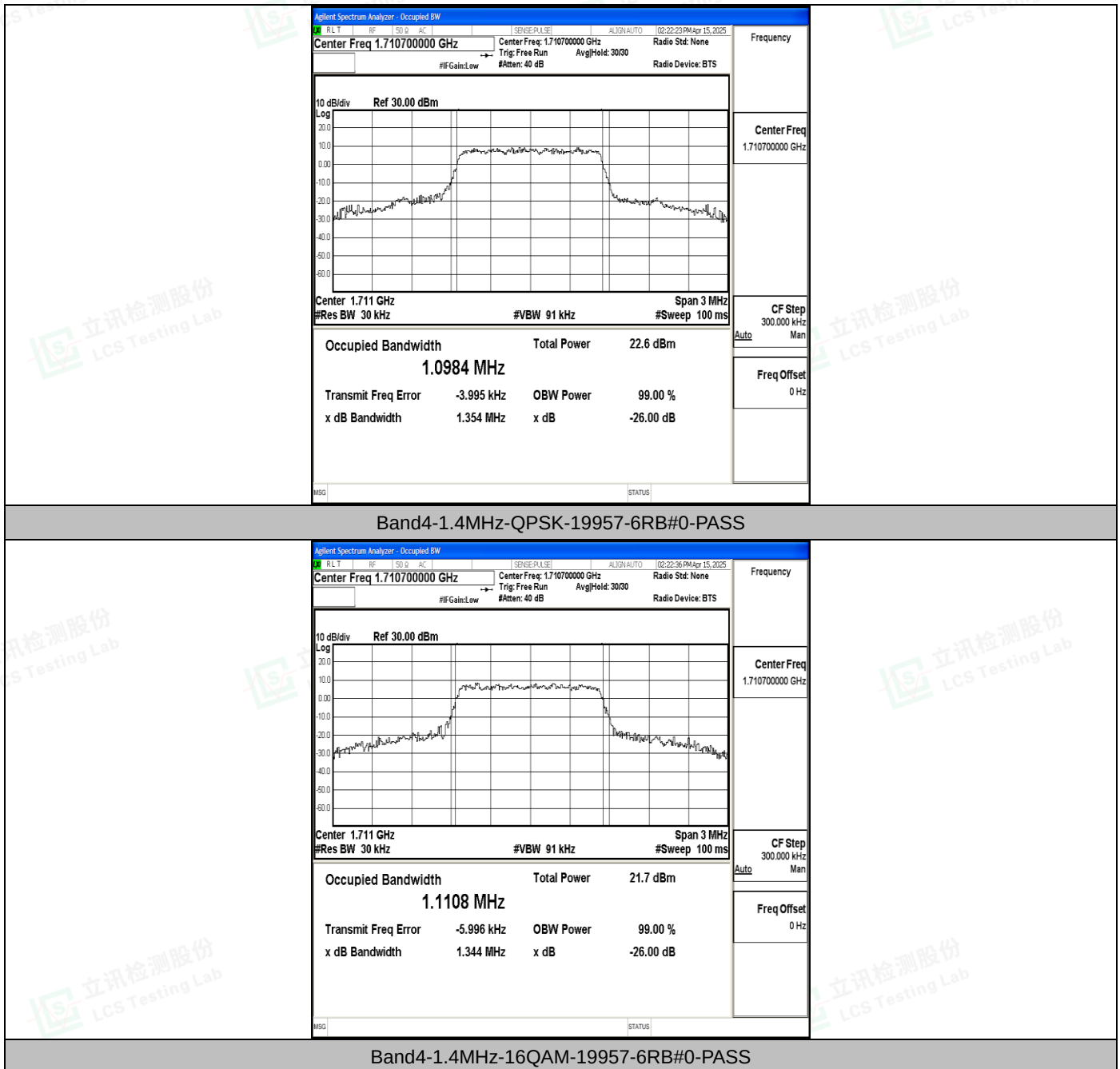
Band4	20MHz	QPSK	20175	100RB#0	18.063	27.55	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.122	28.35	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.262	31.32	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.264	33.48	PASS

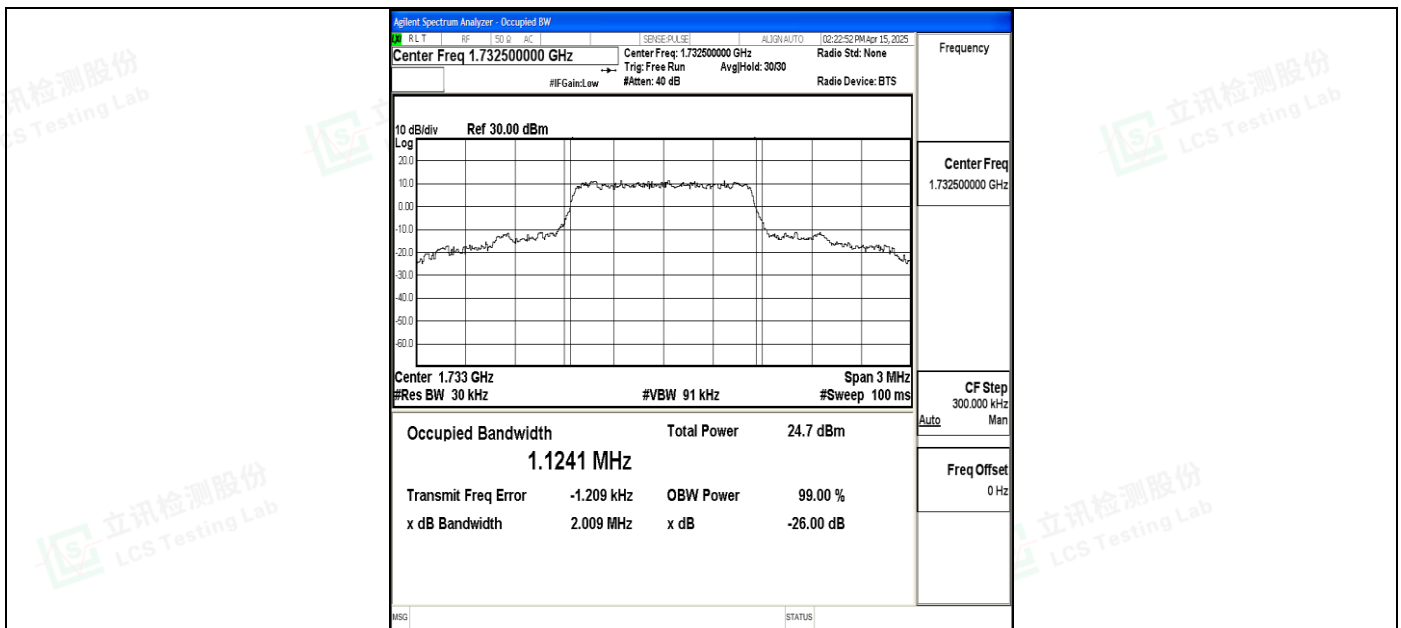


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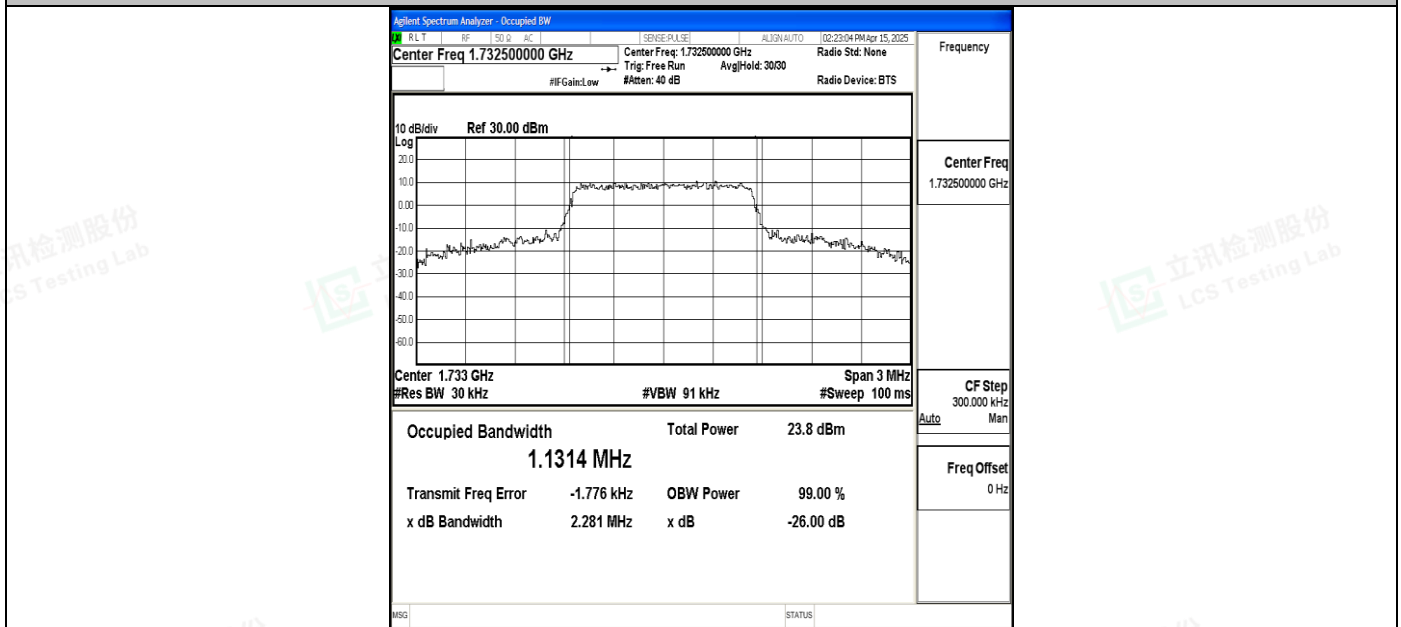


Test Graphs





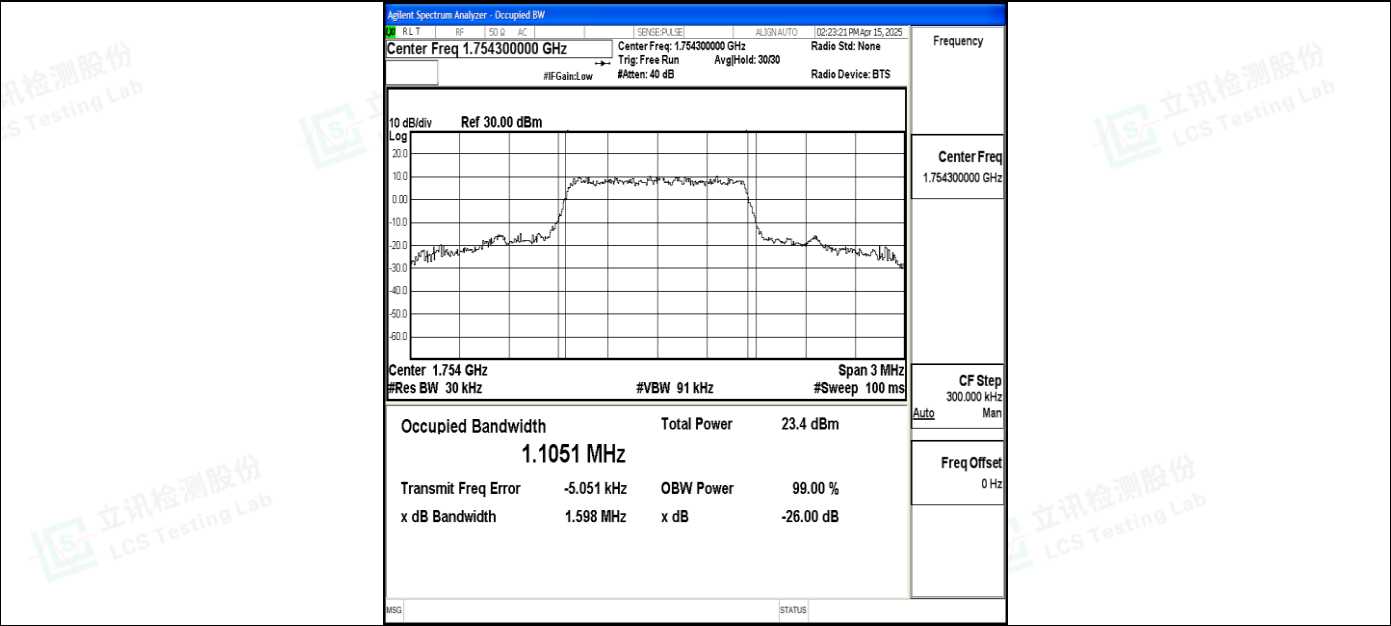
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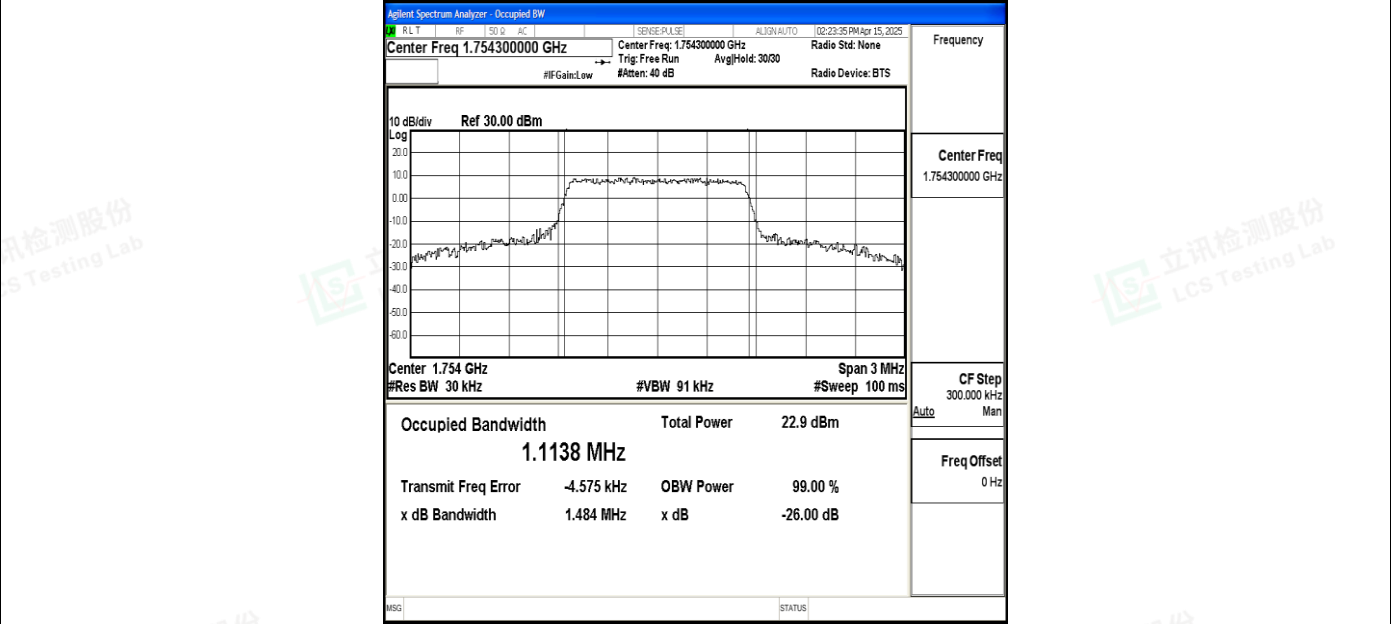
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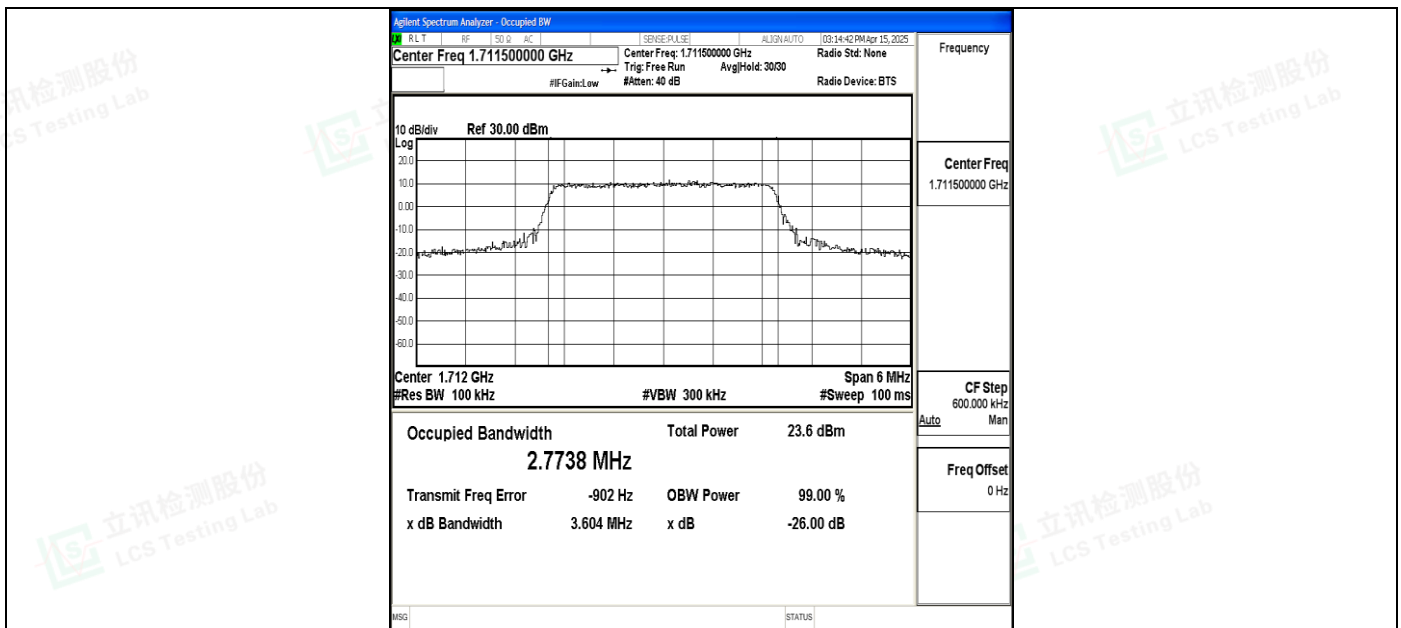
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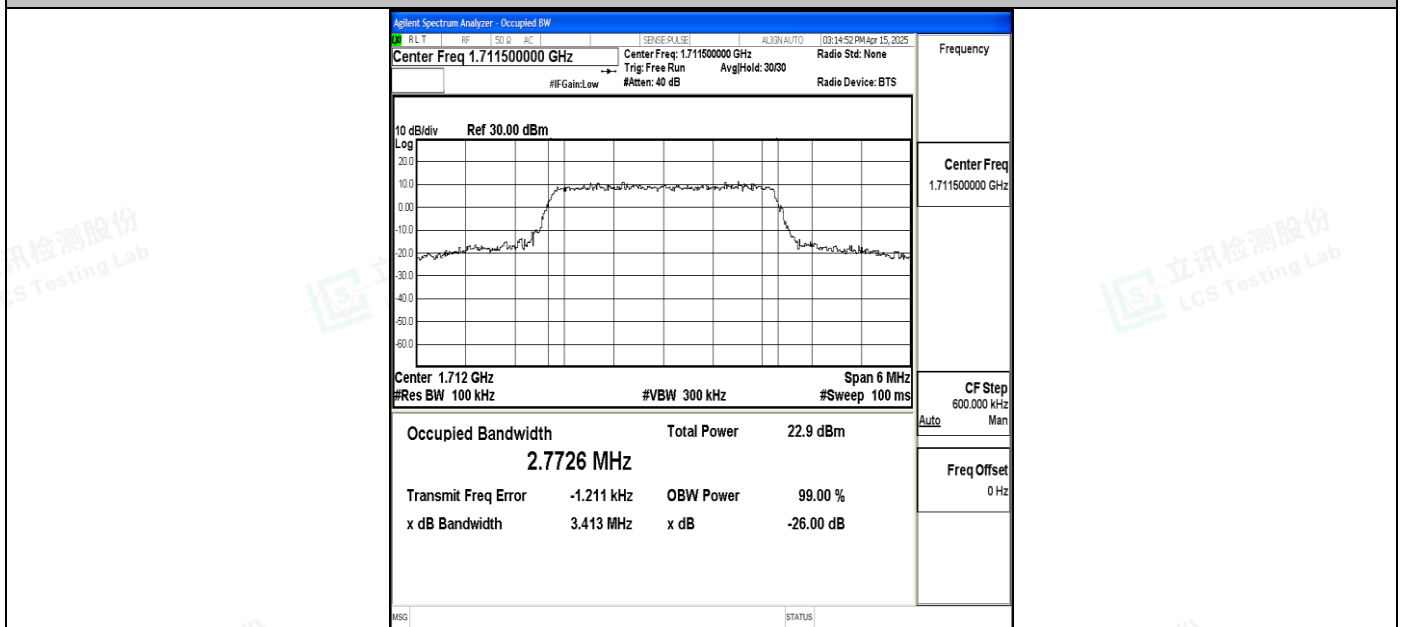
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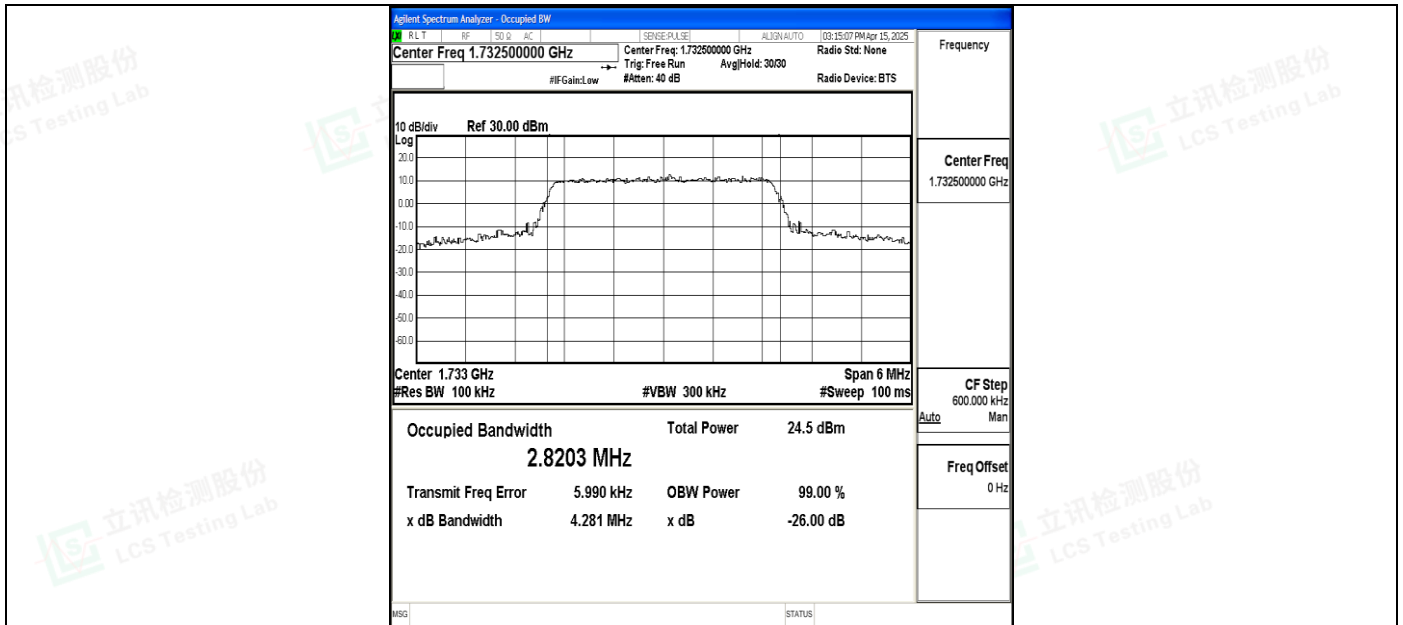
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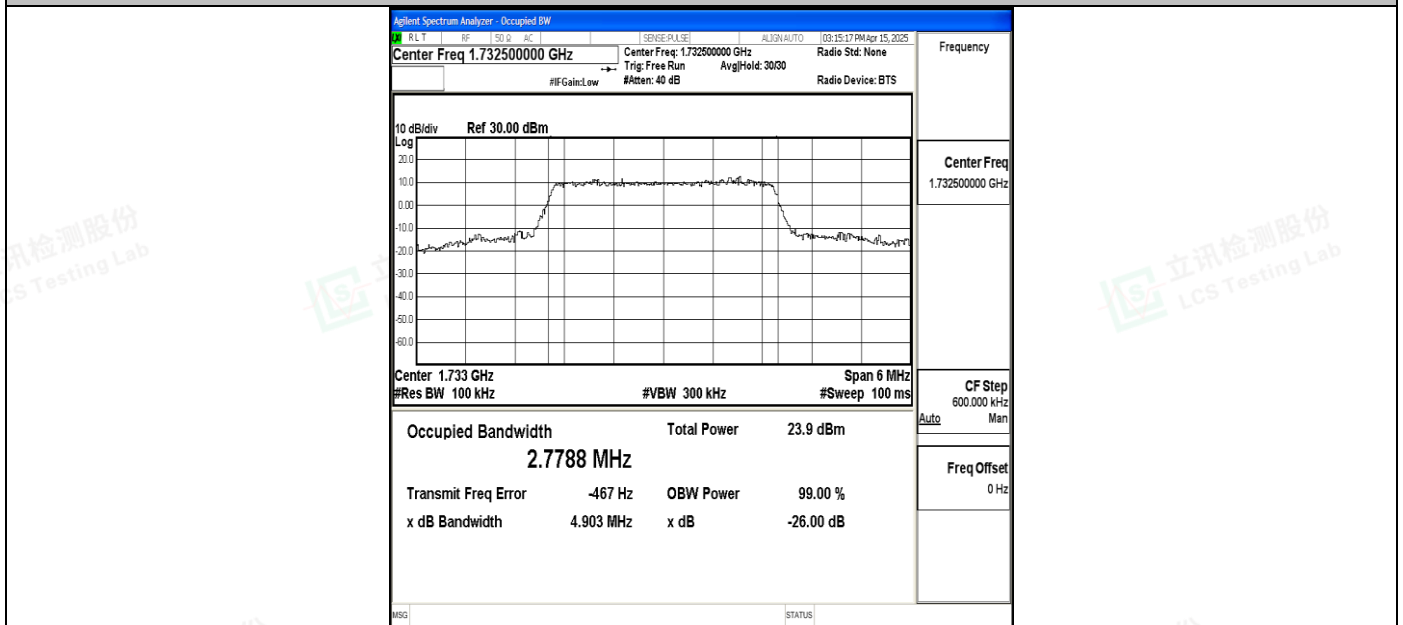
Band4-3MHz-16QAM-19965-15RB#0-PASS



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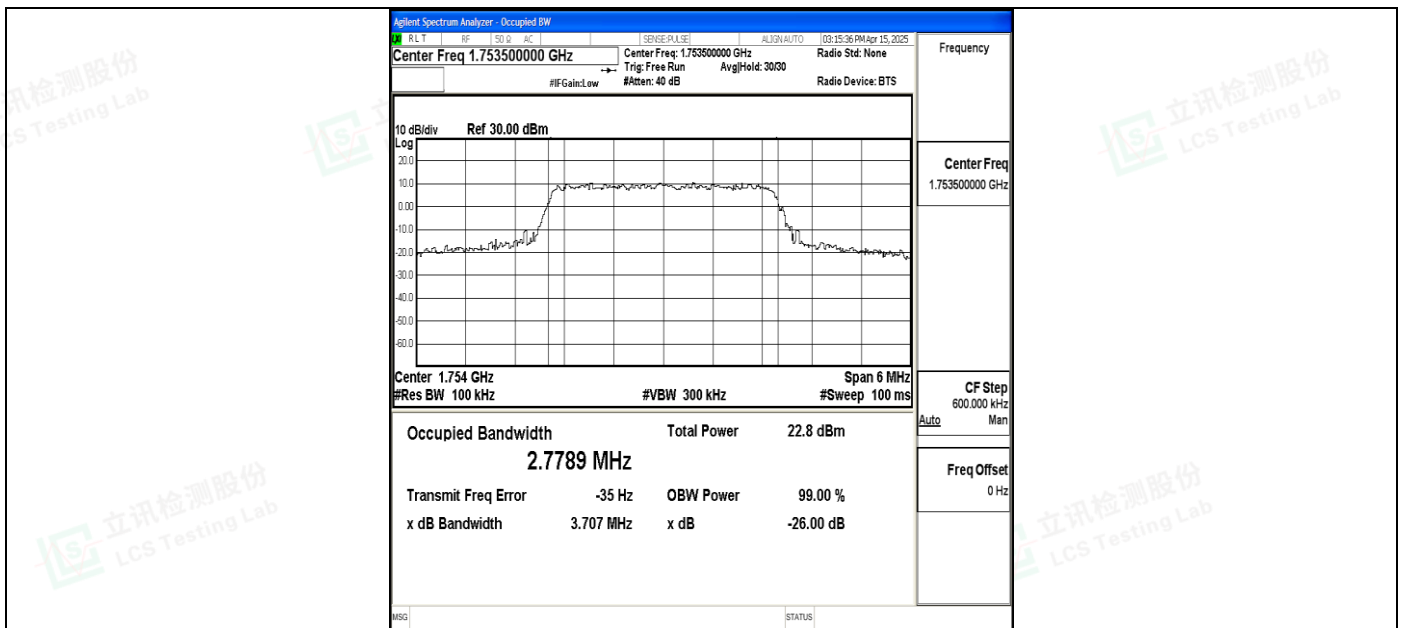
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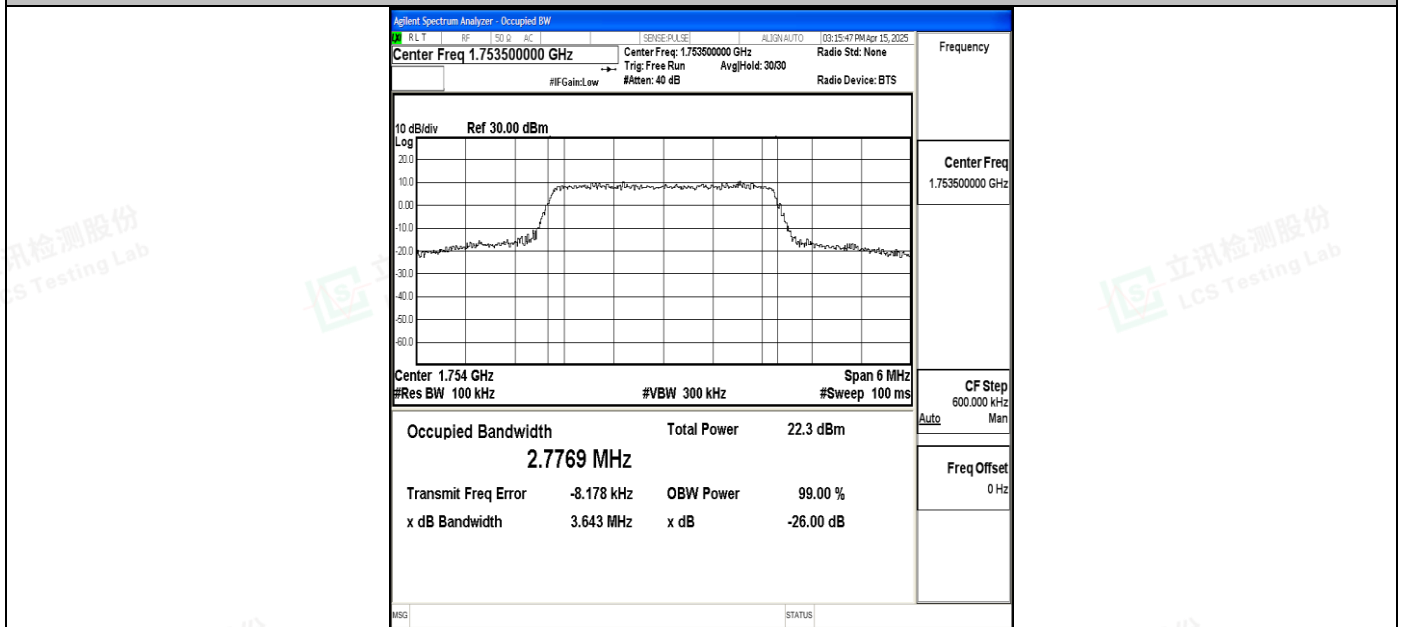
Band4-3MHz-16QAM-20175-15RB#0-PASS



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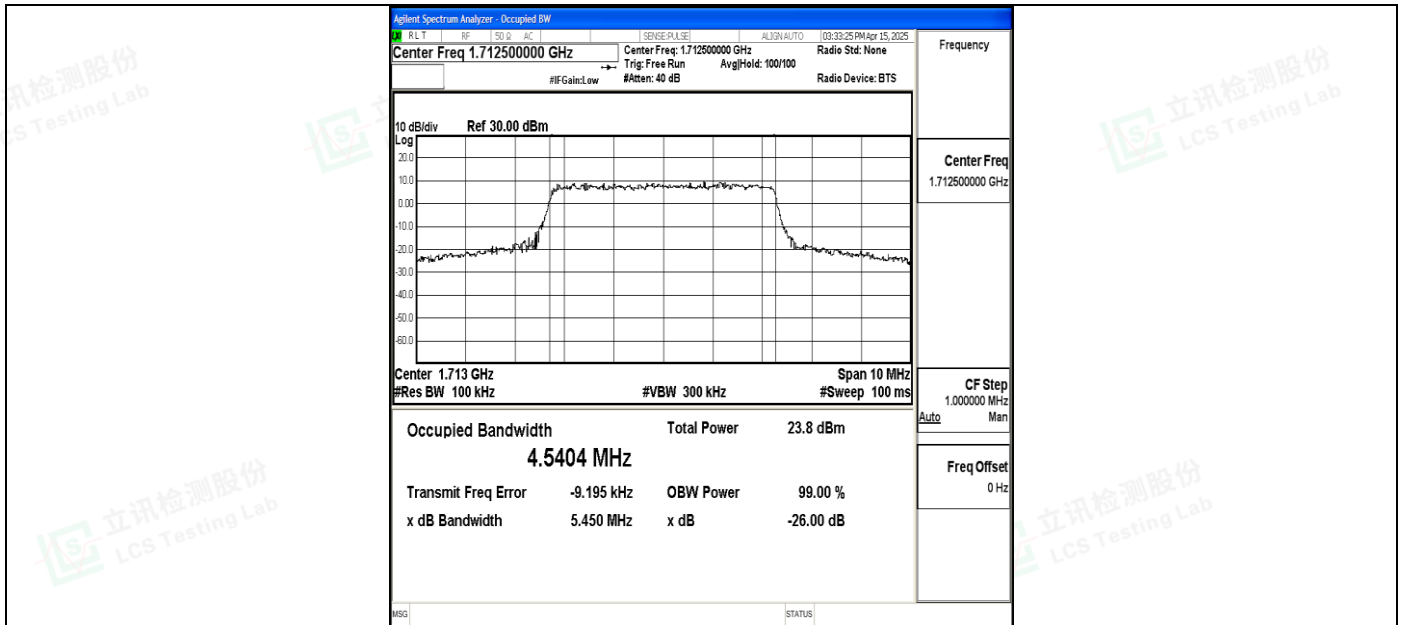


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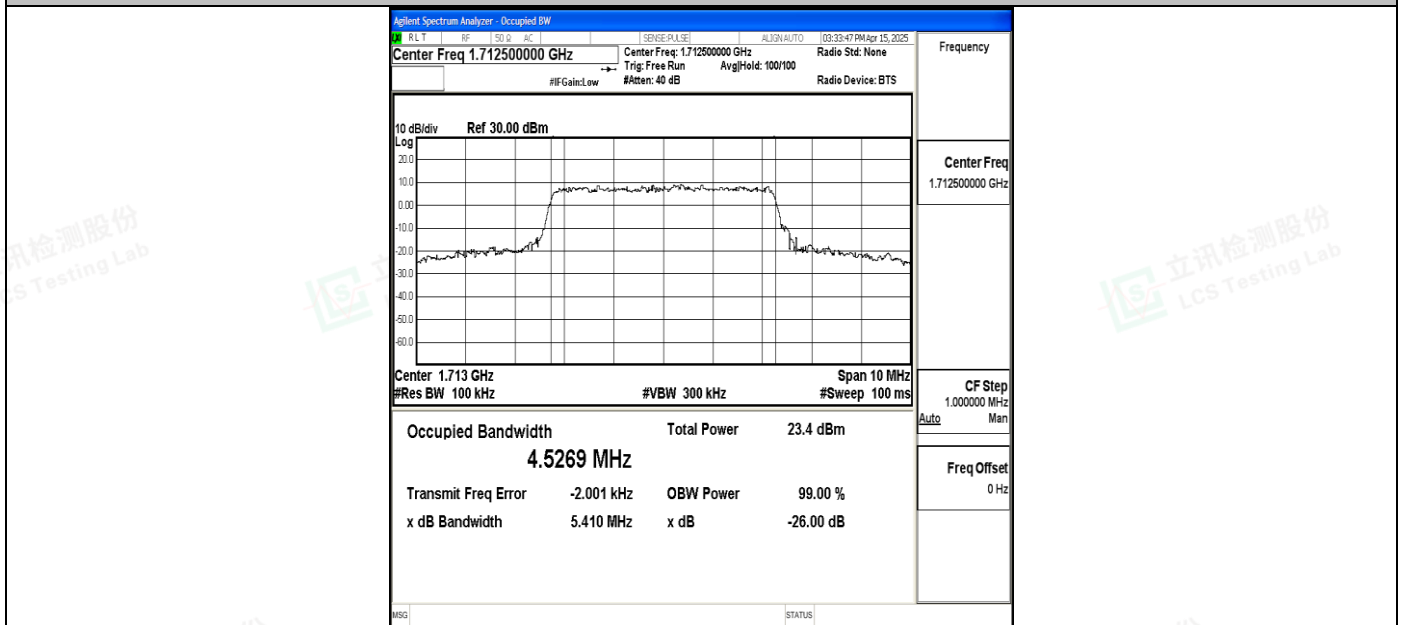


Band4-3MHz-16QAM-20385-15RB#0-PASS





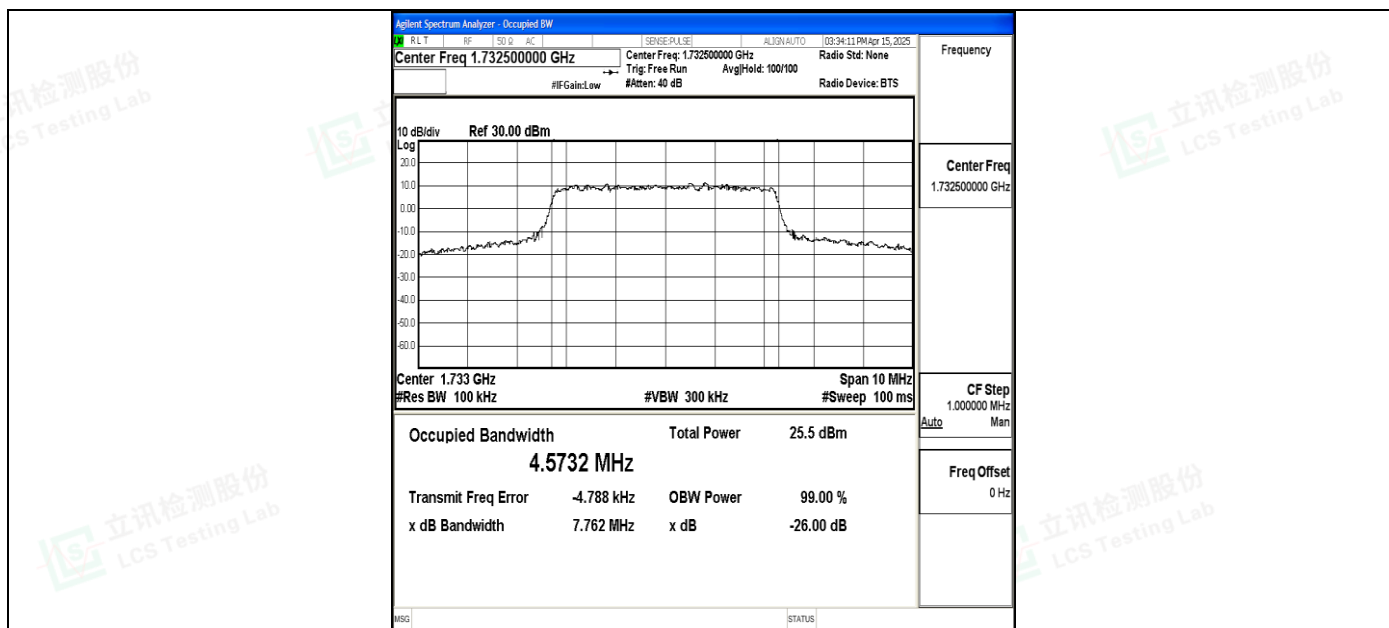
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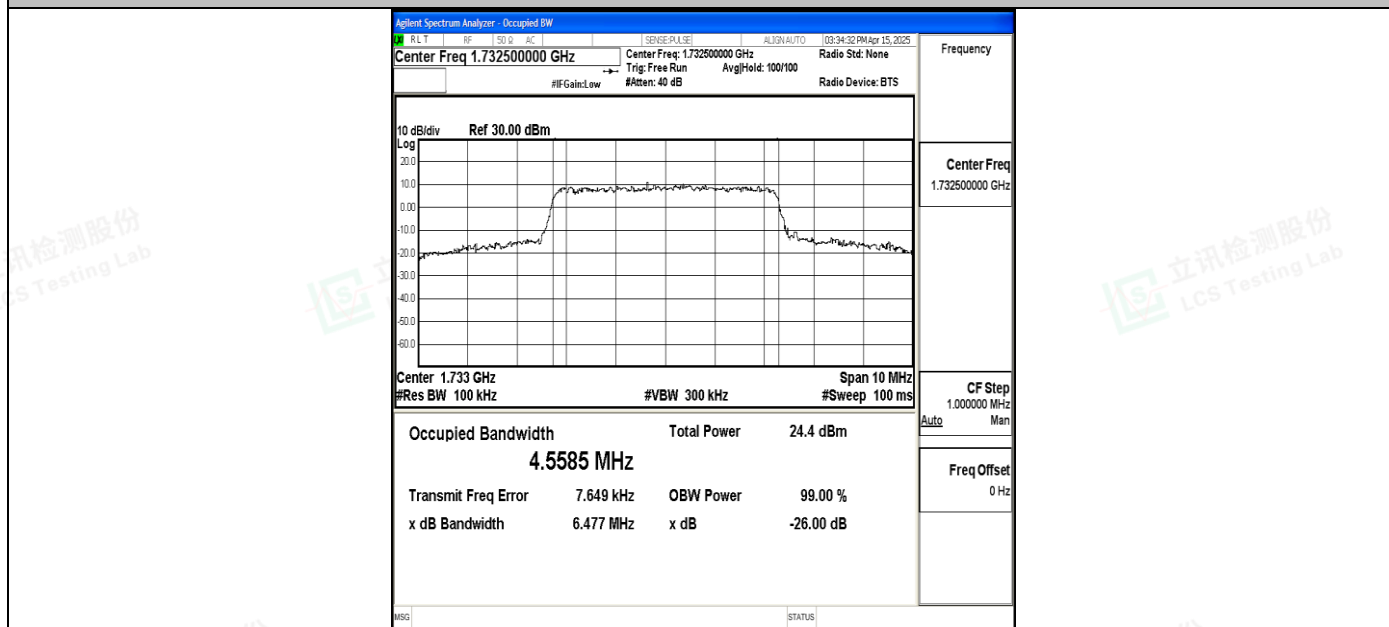
Band4-5MHz-16QAM-19975-25RB#0-PASS



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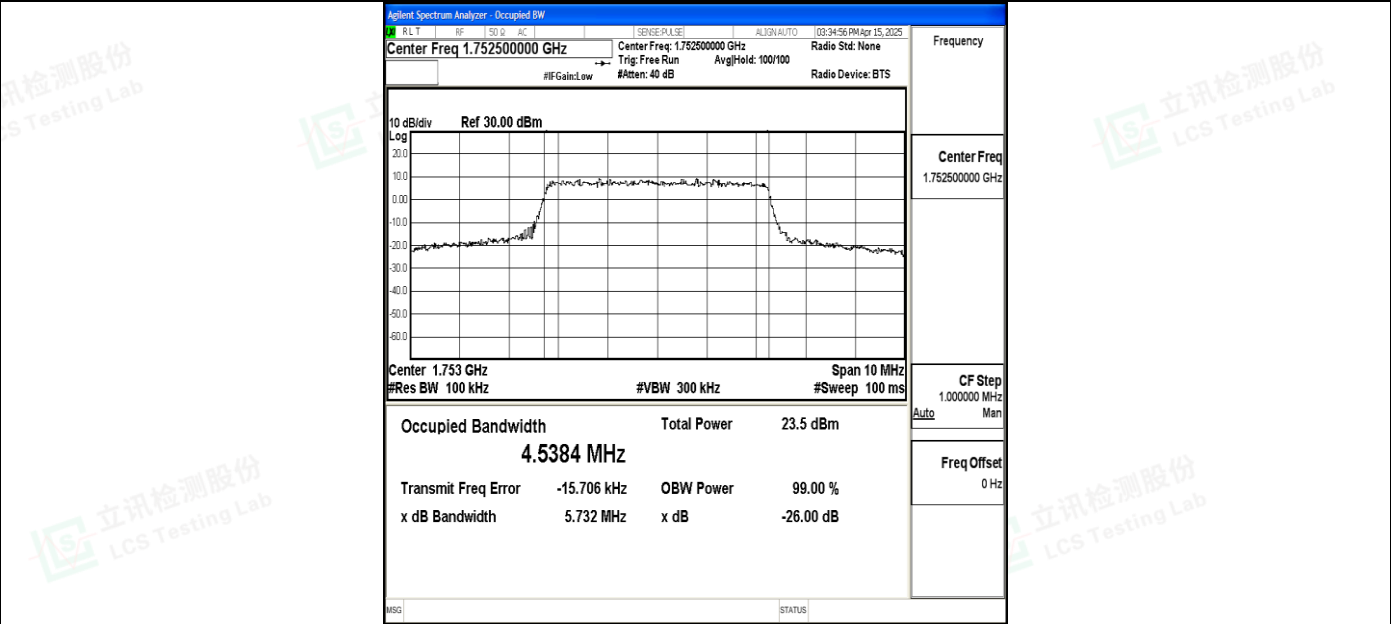


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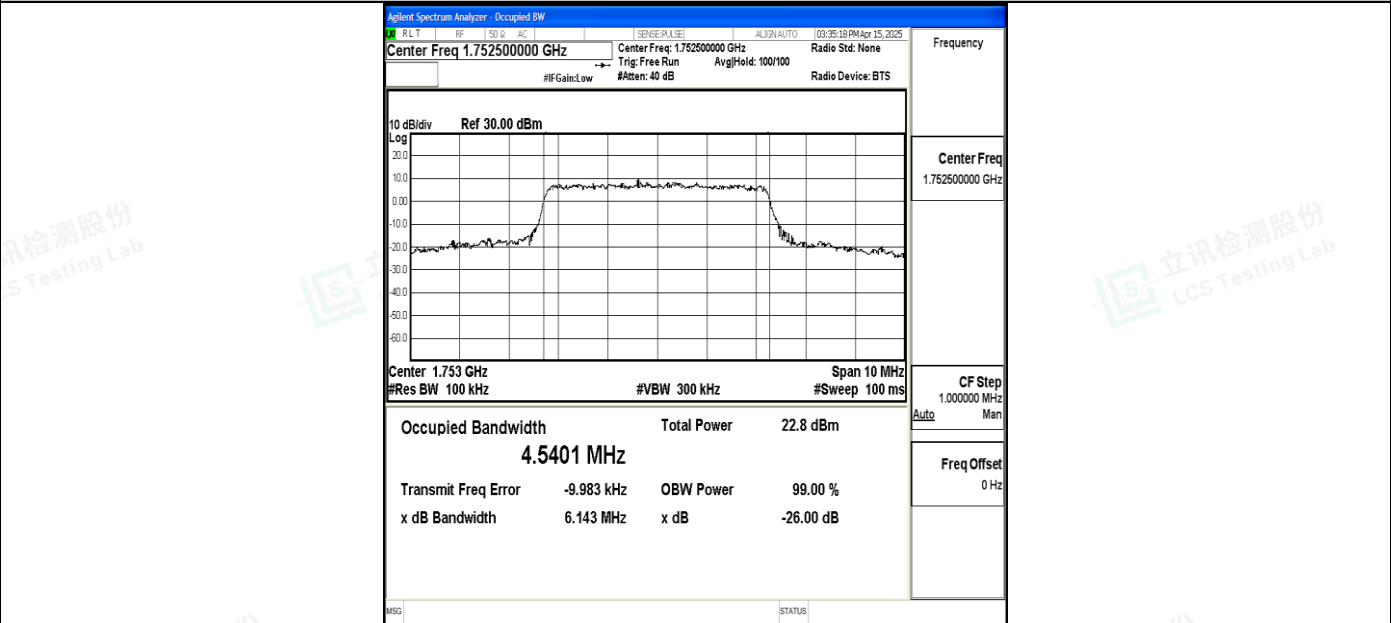


Band4-5MHz-16QAM-20175-25RB#0-PASS





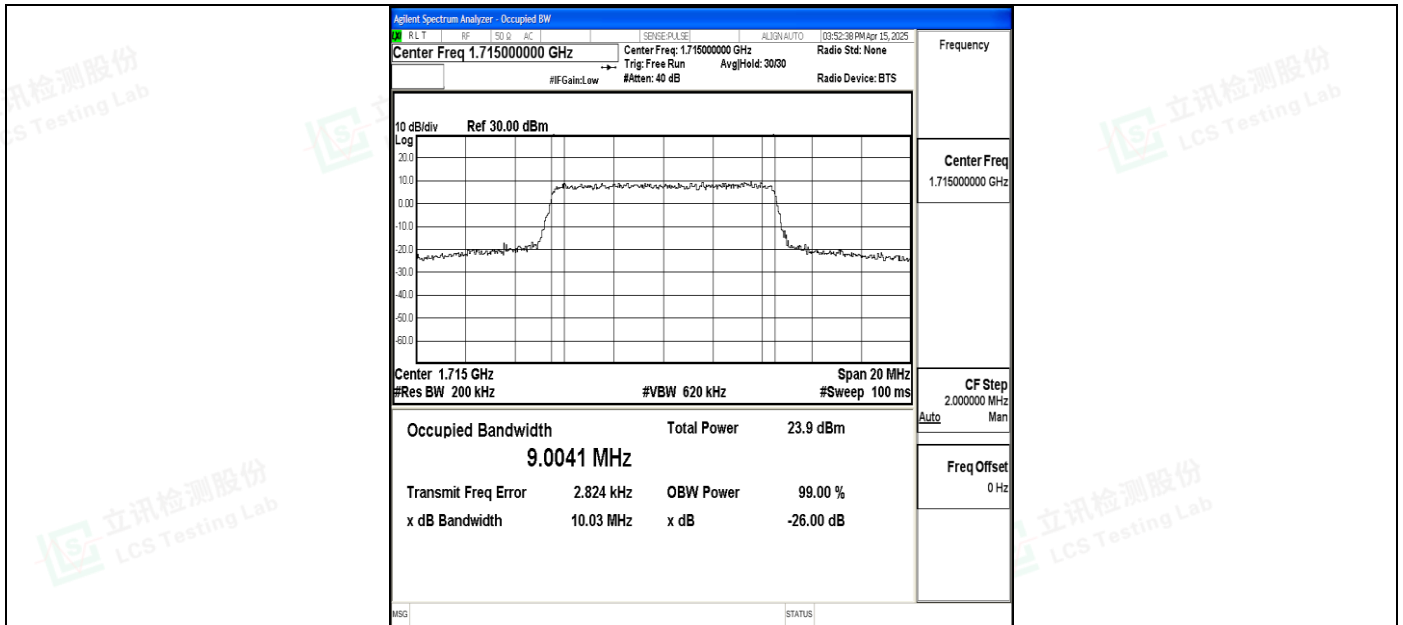
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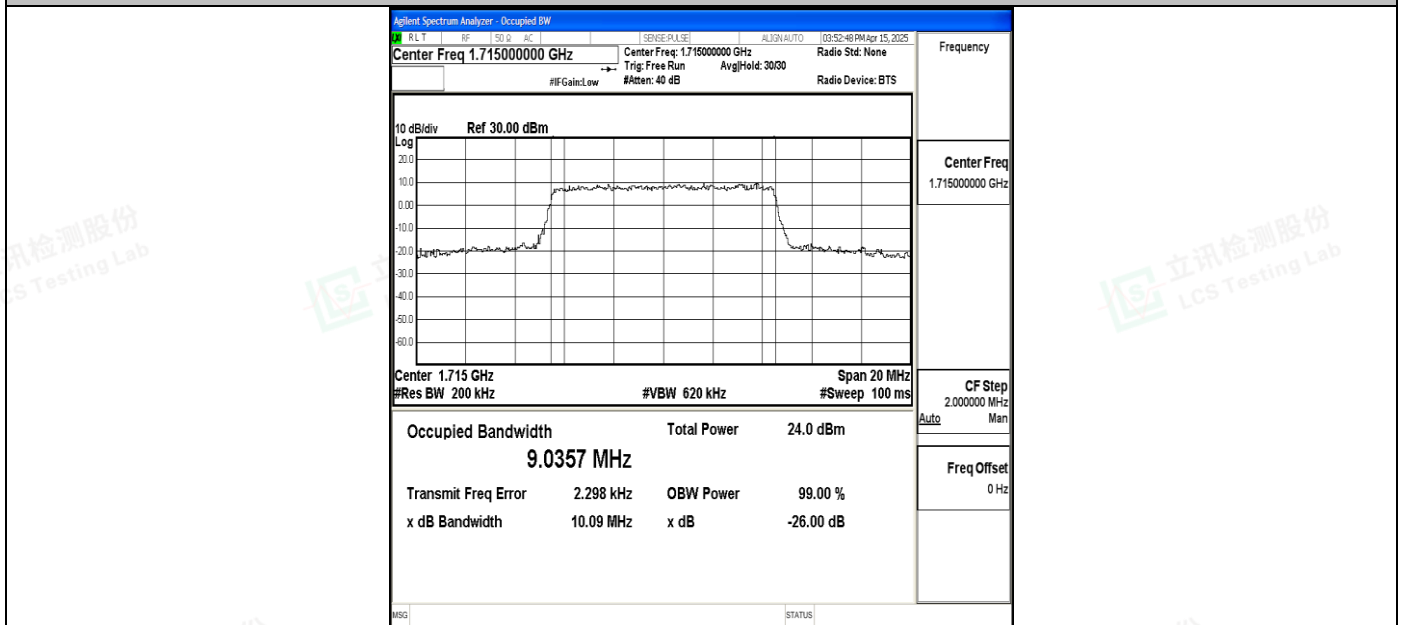
Band4-5MHz-16QAM-20375-25RB#0-PASS



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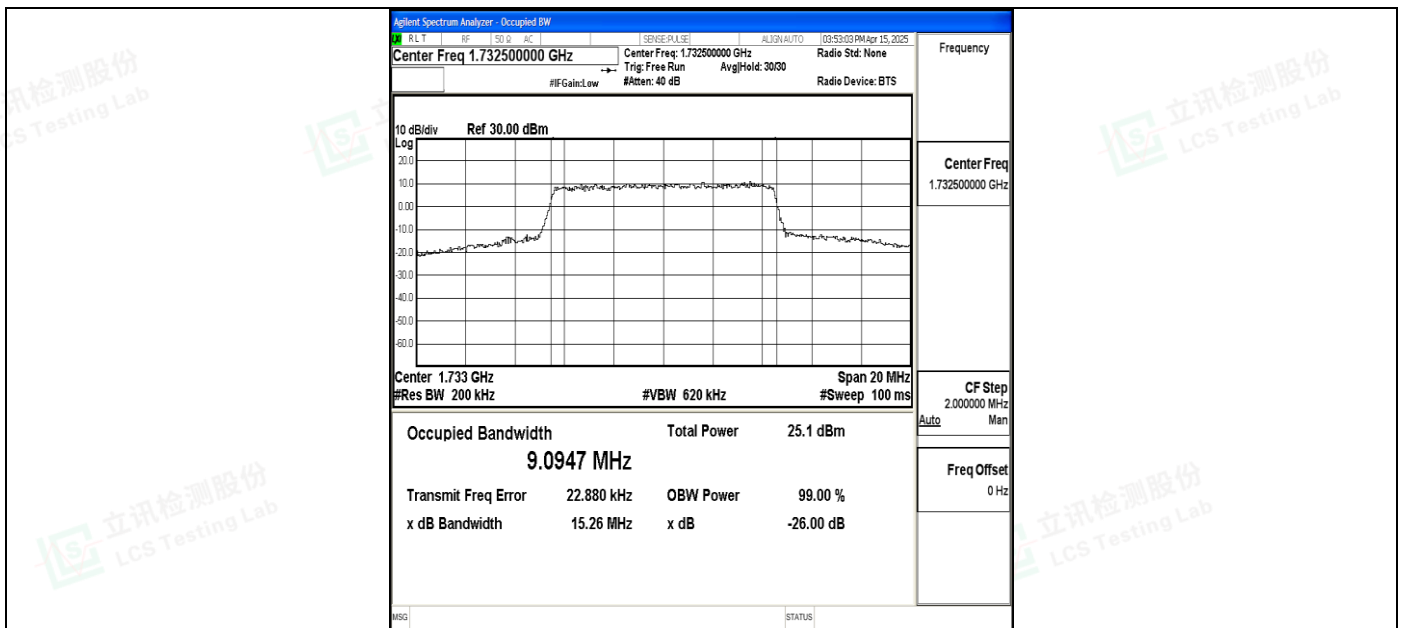


Band4-10MHz-QPSK-20000-50RB#0-PASS

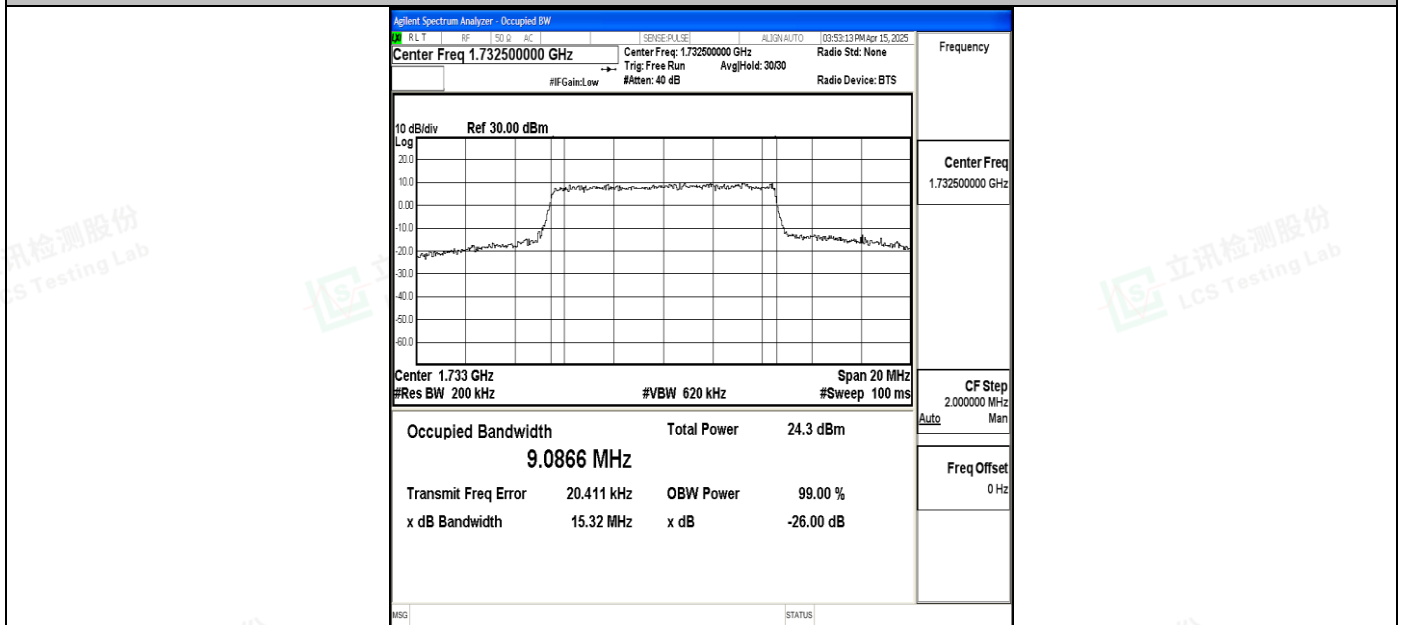


Band4-10MHz-16QAM-20000-50RB#0-PASS





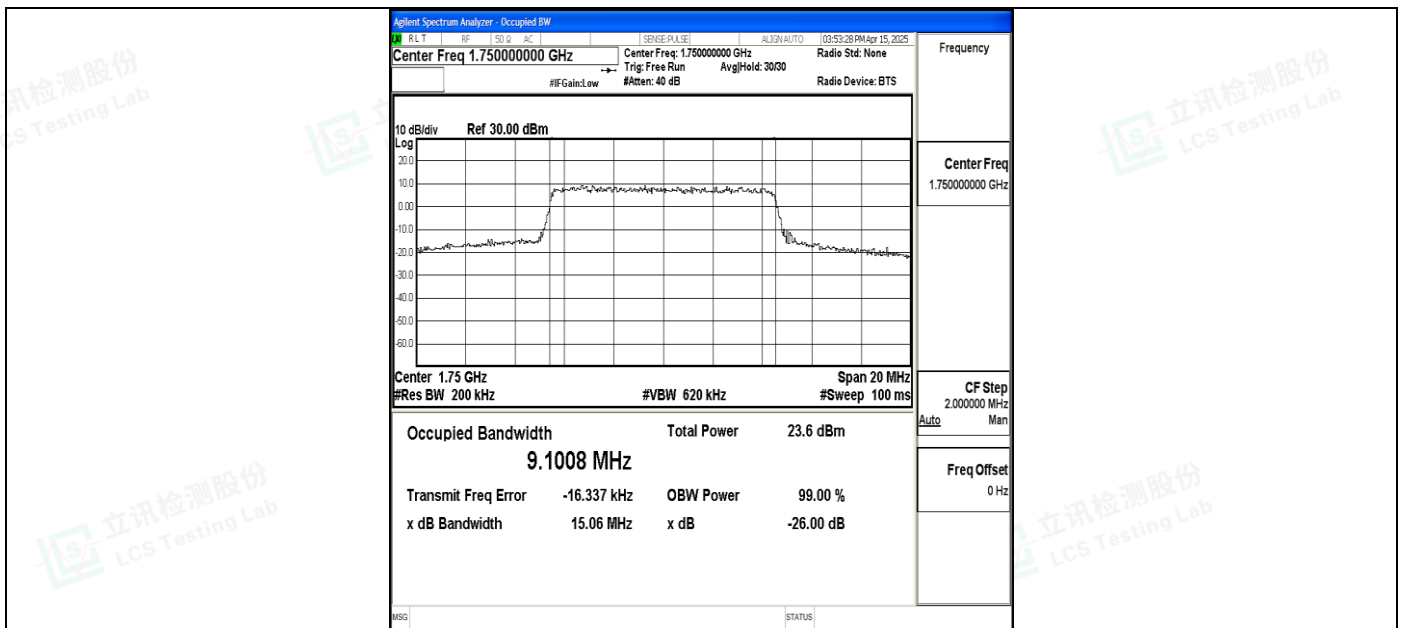
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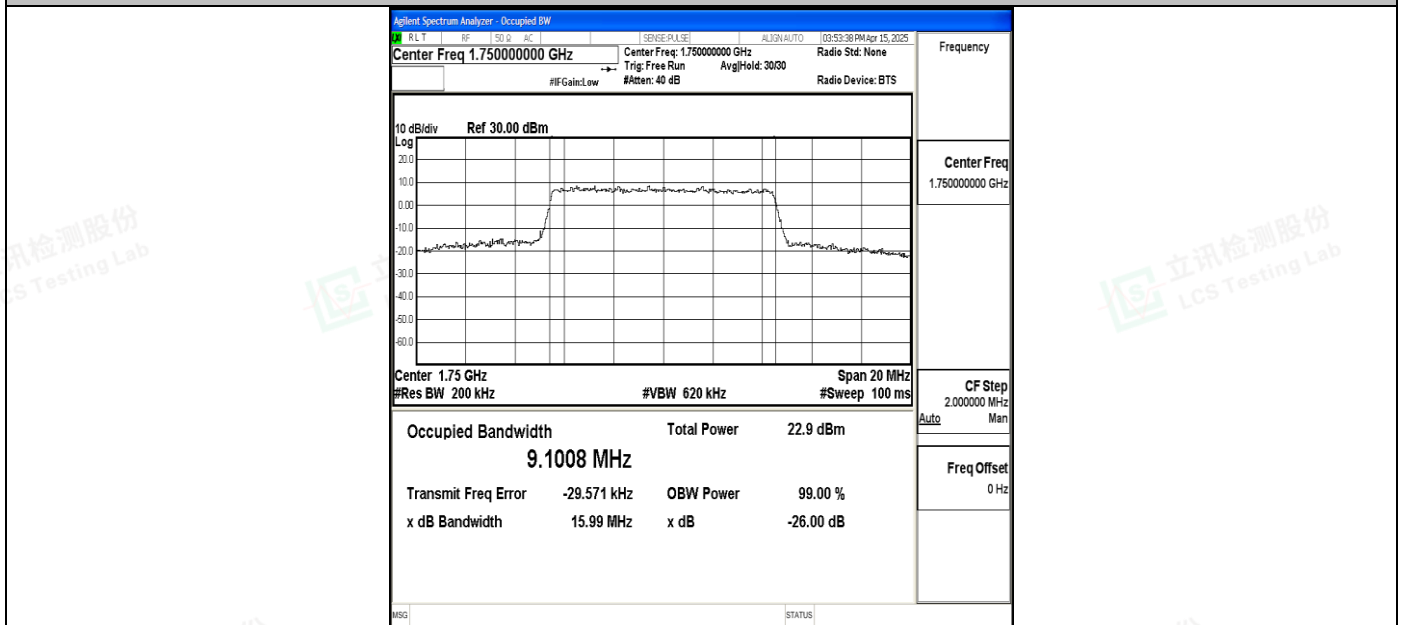
Band4-10MHz-16QAM-20175-50RB#0-PASS



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



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



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