



Appendix G: Test Data for E-UTRA Band 7

Product Name: smartphone

Test Model: L68C

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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G.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.93	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.08	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.99	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.88	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.69	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.89	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.85	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.80	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.85	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.78	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.97	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.91	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.78	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.01	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.07	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.11	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.03	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.15	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.13	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.10	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.08	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.18	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.08	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.20	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.08	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.20	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.09	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.23	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.51	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.47	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.52	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.49	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.42	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.39	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.44	PASS



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Band7	5MHz	16QAM	21425	12RB#0	19.64	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.50	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.66	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.39	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.56	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.47	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.66	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.71	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.22	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.75	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.10	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.56	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.94	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.88	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.89	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.90	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.90	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.63	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.80	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.90	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.91	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.19	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.56	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.18	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.66	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.25	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.66	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.21	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.41	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.13	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.31	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.24	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.40	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.13	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.27	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.64	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.35	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.48	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.28	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.47	PASS



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Band7	10MHz	16QAM	21400	1RB#49	21.20	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.72	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.88	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.49	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.91	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.42	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.60	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.87	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.70	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.71	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.42	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.59	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.39	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.28	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.08	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.66	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.66	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.66	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.66	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.66	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.66	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.66	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.84	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.84	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.63	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.85	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.69	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.76	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.71	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.07	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.23	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.23	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.24	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.15	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.21	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.16	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.28	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.79	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.14	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.52	PASS



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Band7	15MHz	16QAM	21375	1RB#38	21.84	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.48	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.81	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.65	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.71	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.72	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.74	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.74	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.74	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.75	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.80	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.99	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.09	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.63	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.84	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.36	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.64	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.72	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.91	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.73	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.90	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.35	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.50	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.55	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.61	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.15	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.18	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.07	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.17	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.16	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.13	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.91	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.13	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.97	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.18	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.06	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.33	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.02	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.28	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.06	PASS



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Band7	20MHz	16QAM	21350	1RB#0	21.35	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.73	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.10	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.49	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.89	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.74	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.98	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.92	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.01	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.51	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.72	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.64	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.81	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.84	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.59	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.24	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.85	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.48	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.10	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.37	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.99	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.34	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.14	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.46	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.09	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.84	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.21	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.28	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.92	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.61	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.00	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.37	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.06	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.18	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.80	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.43	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.08	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.88	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.25	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.49	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.04	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.70	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.04	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.60	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.13	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.14	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.49	13	PASS



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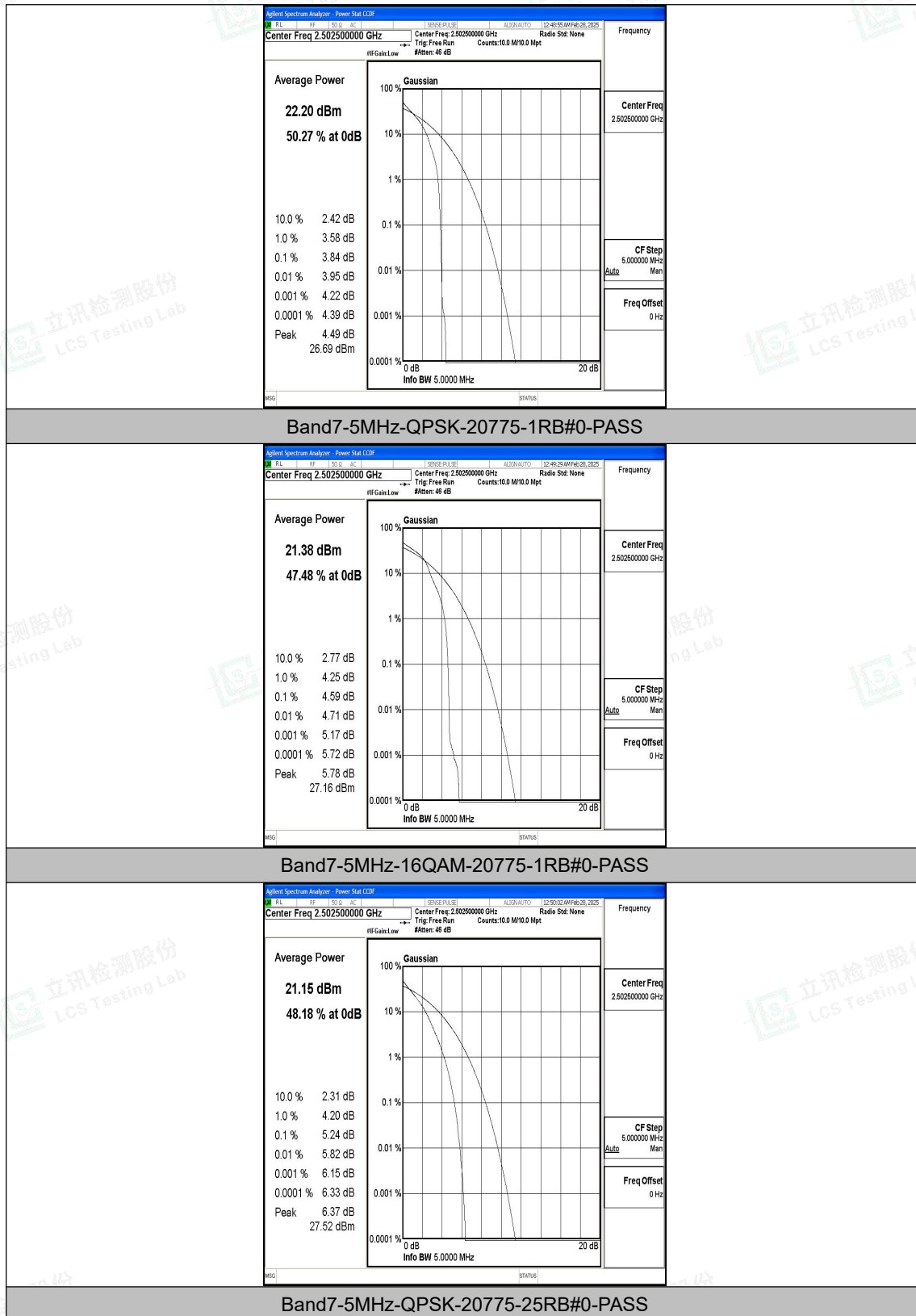


Band7	15MHz	QPSK	21375	75RB#0	5.67	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.15	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.69	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.43	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.27	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.97	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.41	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.15	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.35	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.07	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.01	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.75	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.39	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.06	13	PASS





Test Graphs

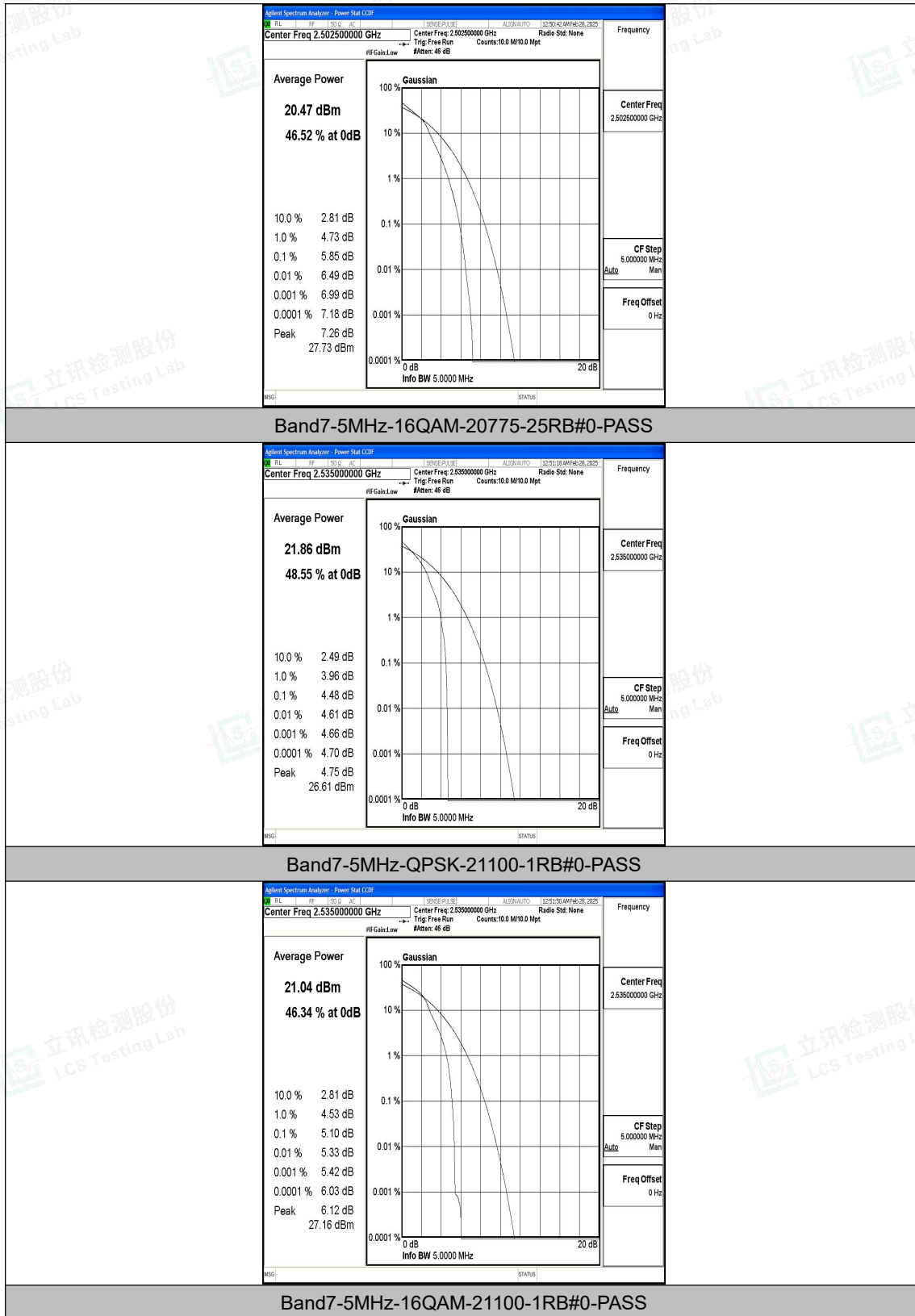


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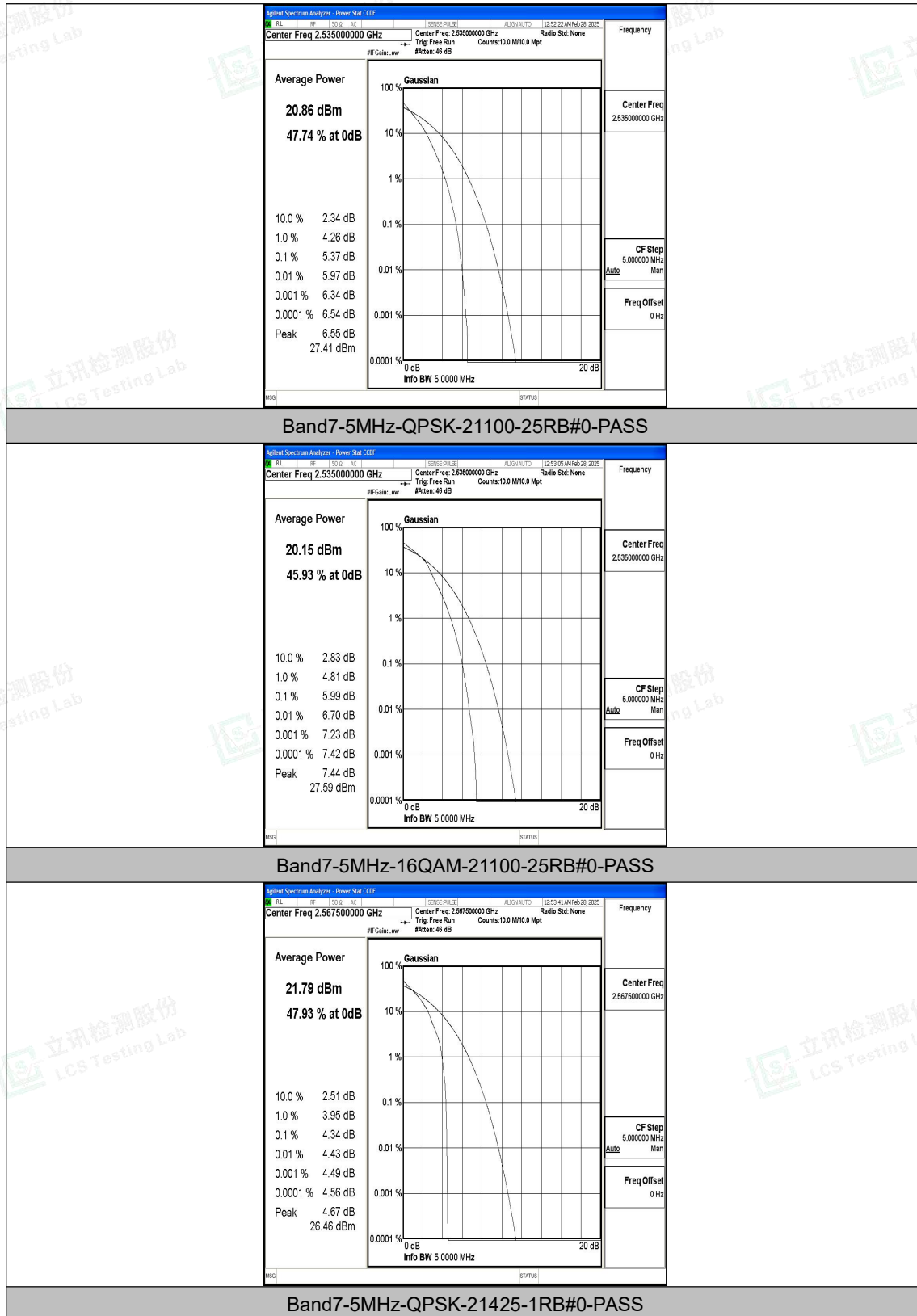


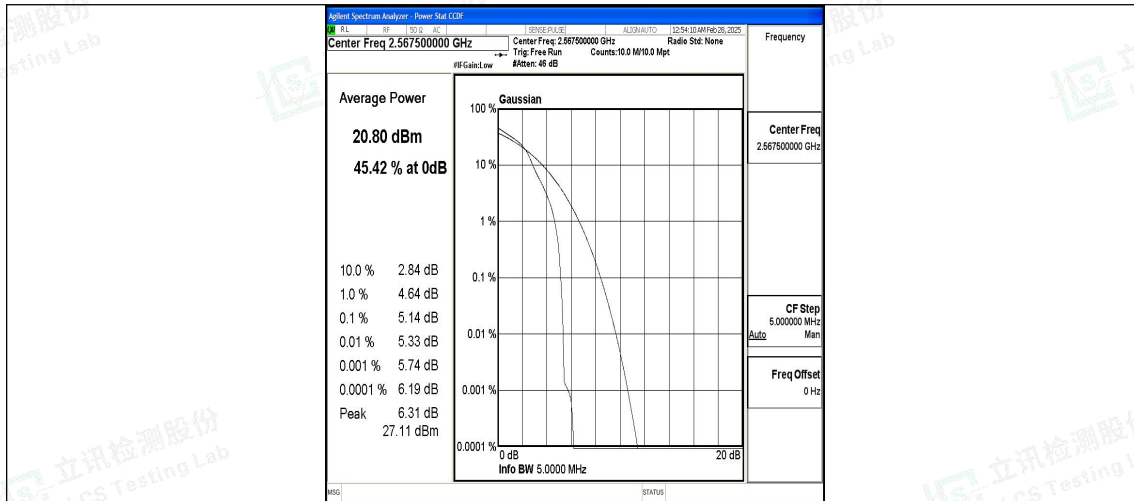
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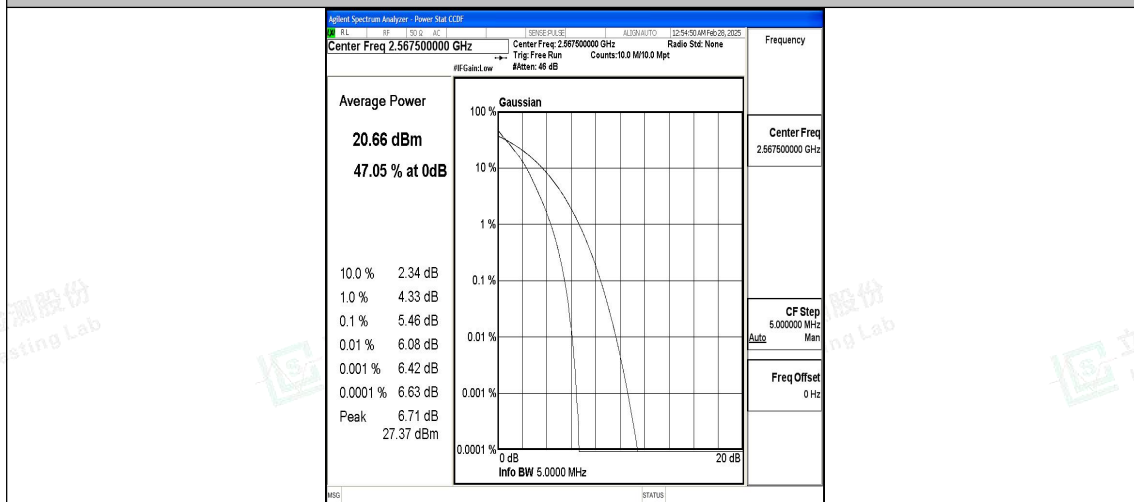
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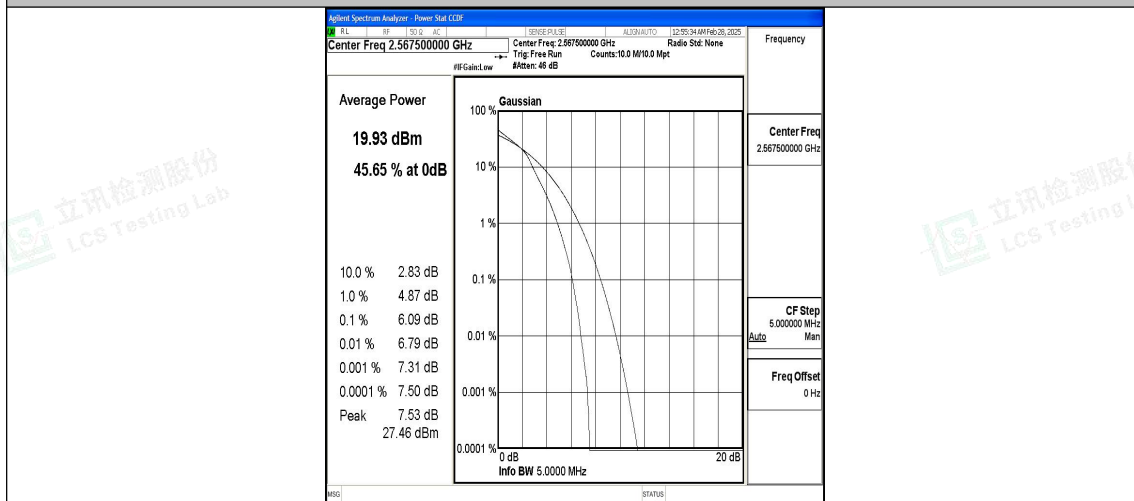




Band7-5MHz-16QAM-21425-1RB#0-PASS



Band7-5MHz-QPSK-21425-25RB#0-PASS



Band7-5MHz-16QAM-21425-25RB#0-PASS

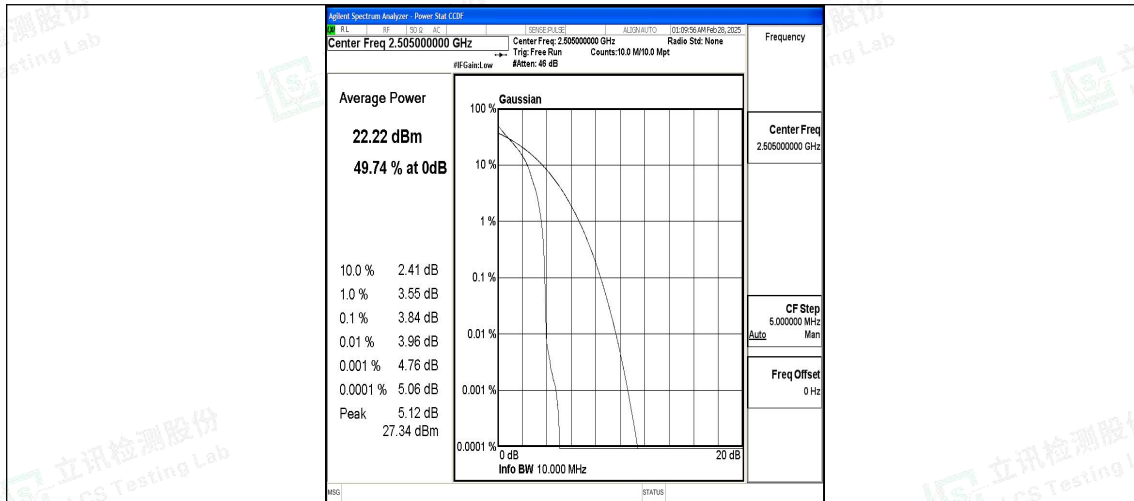


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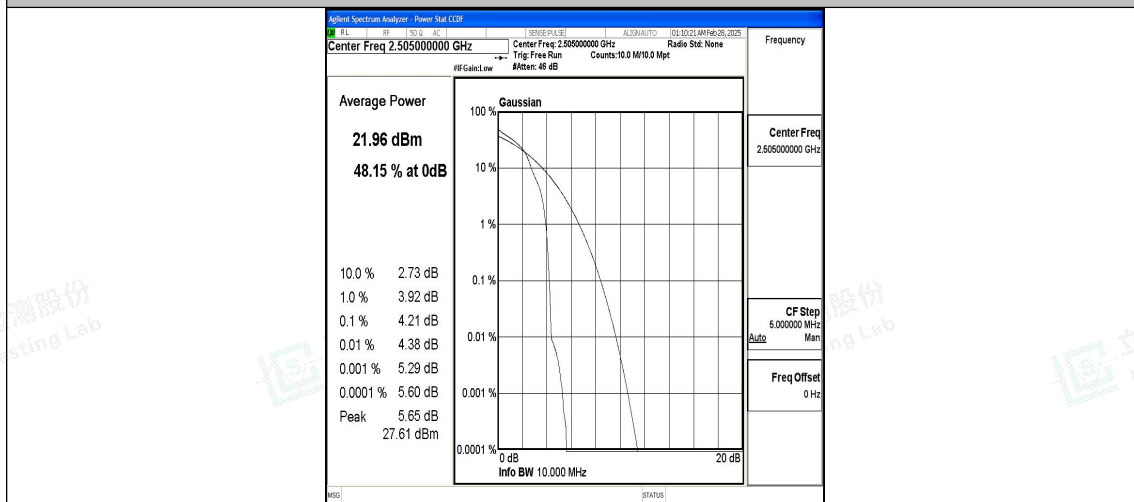
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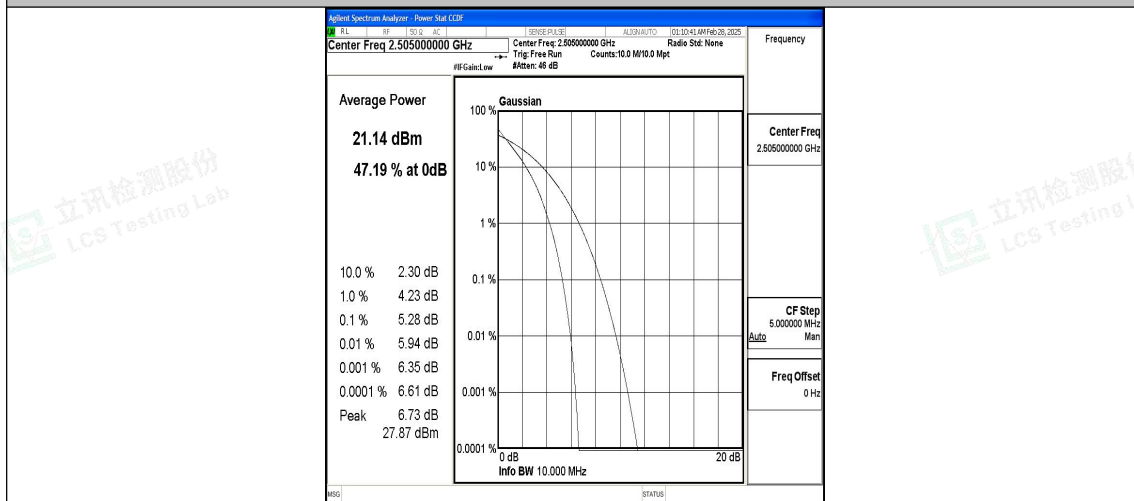
Scan code to check authenticity



Band7-10MHz-QPSK-20800-1RB#0-PASS



Band7-10MHz-16QAM-20800-1RB#0-PASS



Band7-10MHz-QPSK-20800-50RB#0-PASS

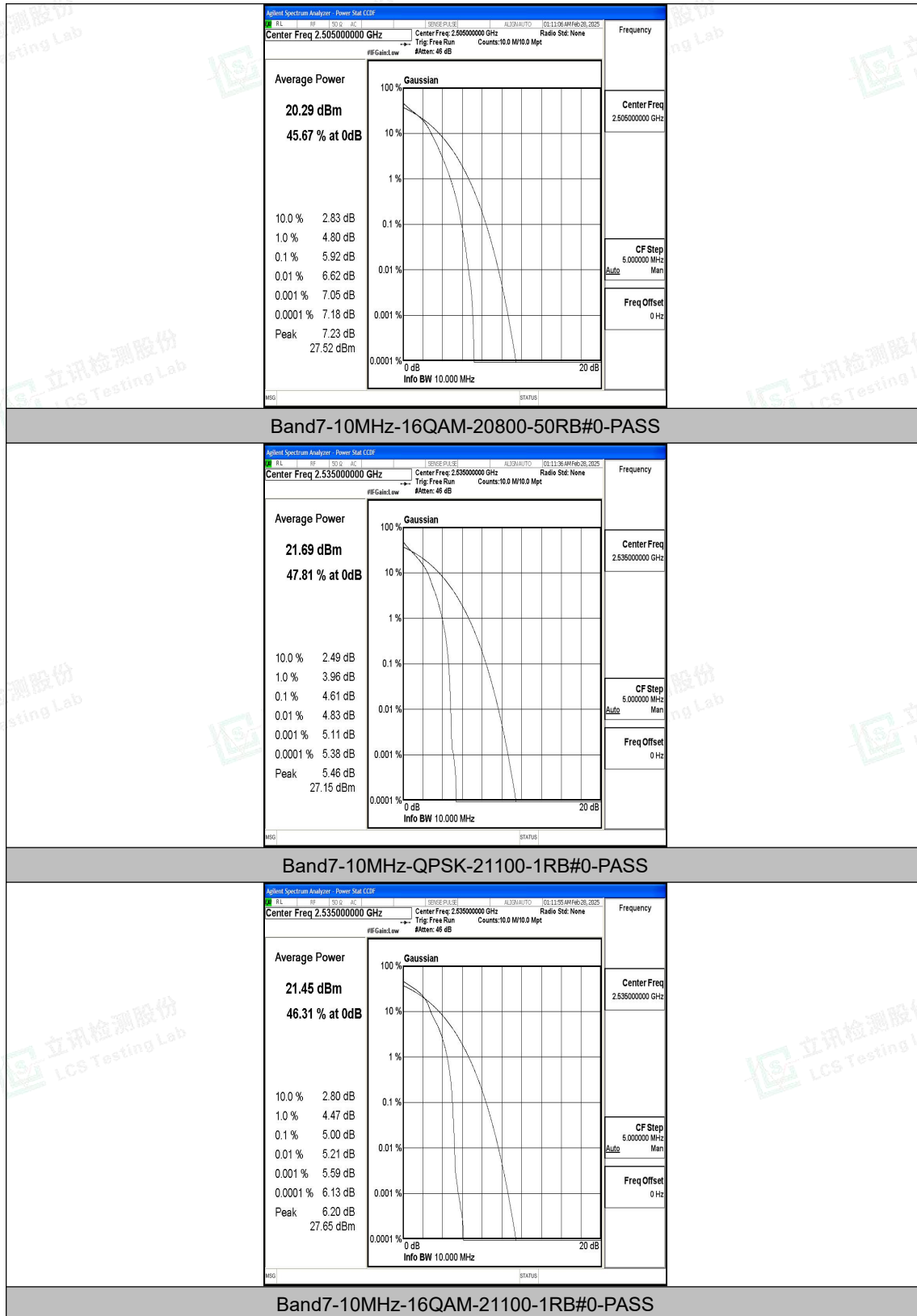


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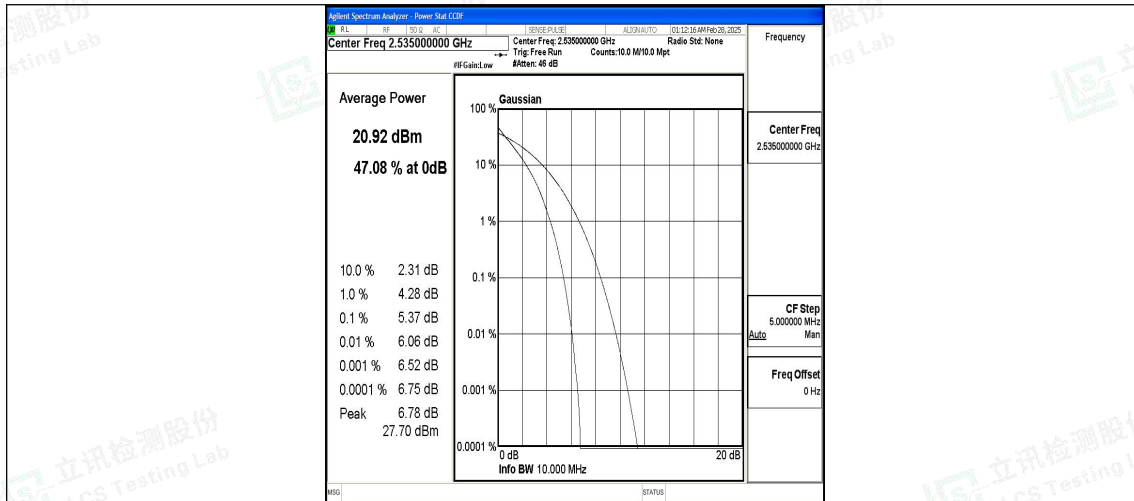


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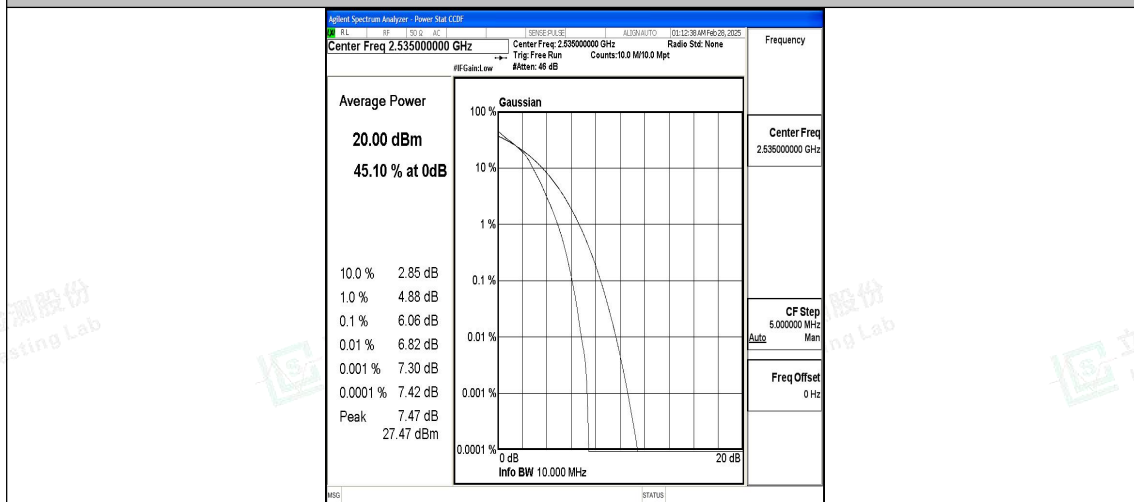
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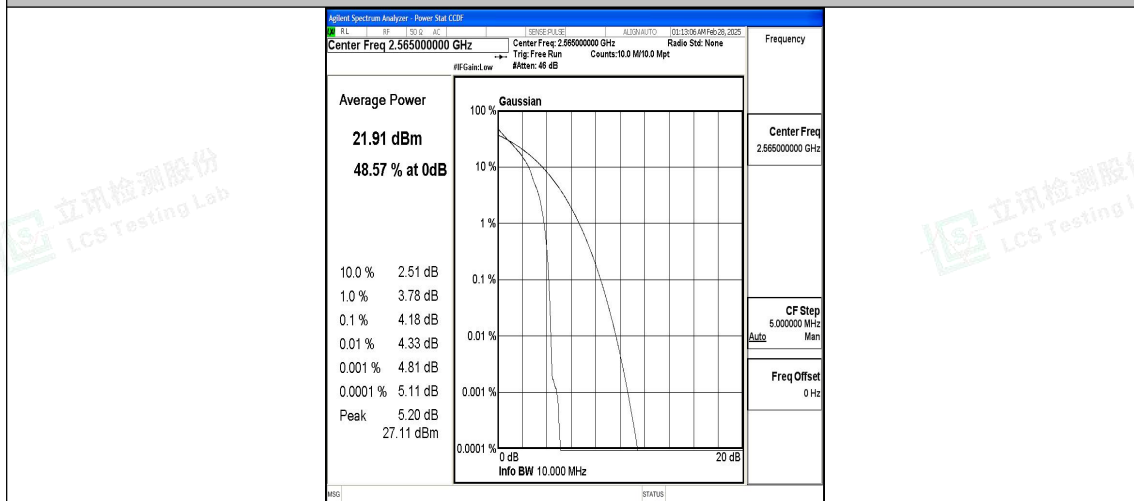
Scan code to check authenticity



Band7-10MHz-QPSK-21100-50RB#0-PASS



Band7-10MHz-16QAM-21100-50RB#0-PASS



Band7-10MHz-QPSK-21400-1RB#0-PASS

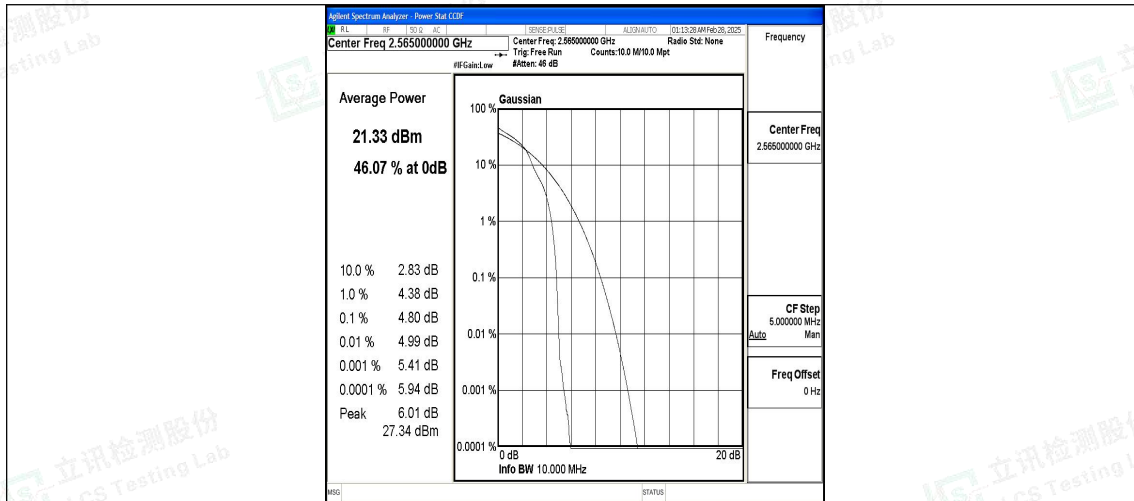


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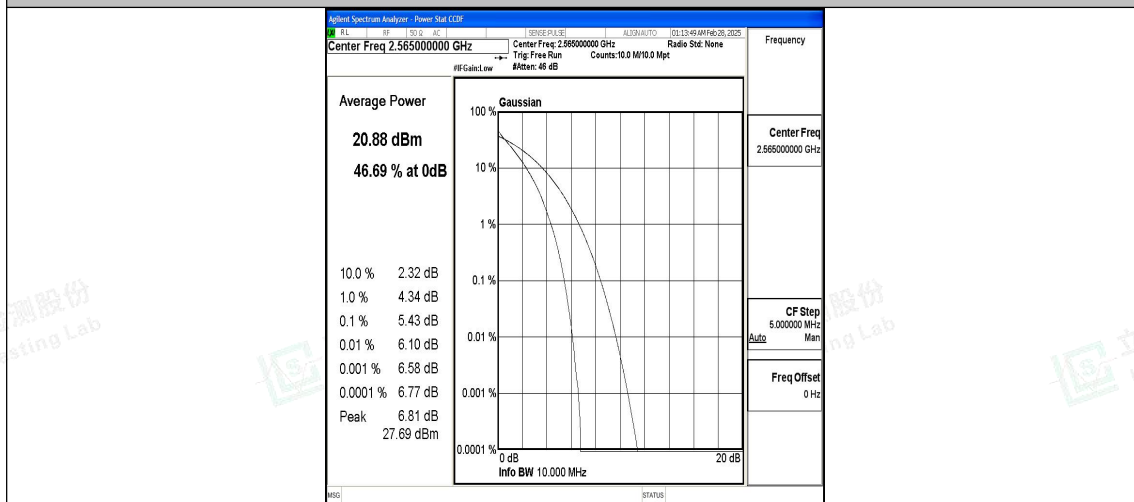
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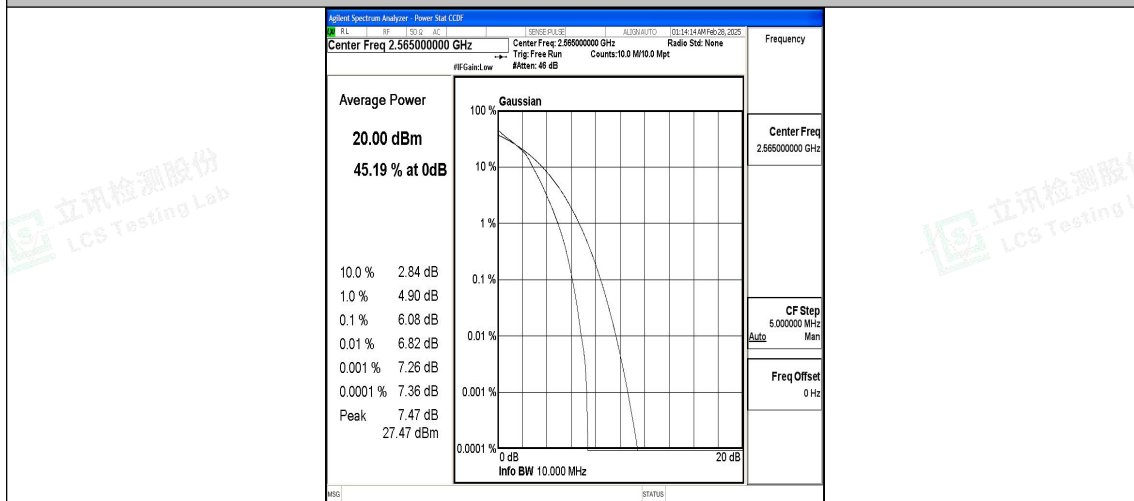
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Band7-10MHz-16QAM-21400-1RB#0-PASS



Band7-10MHz-QPSK-21400-50RB#0-PASS



Band7-10MHz-16QAM-21400-50RB#0-PASS

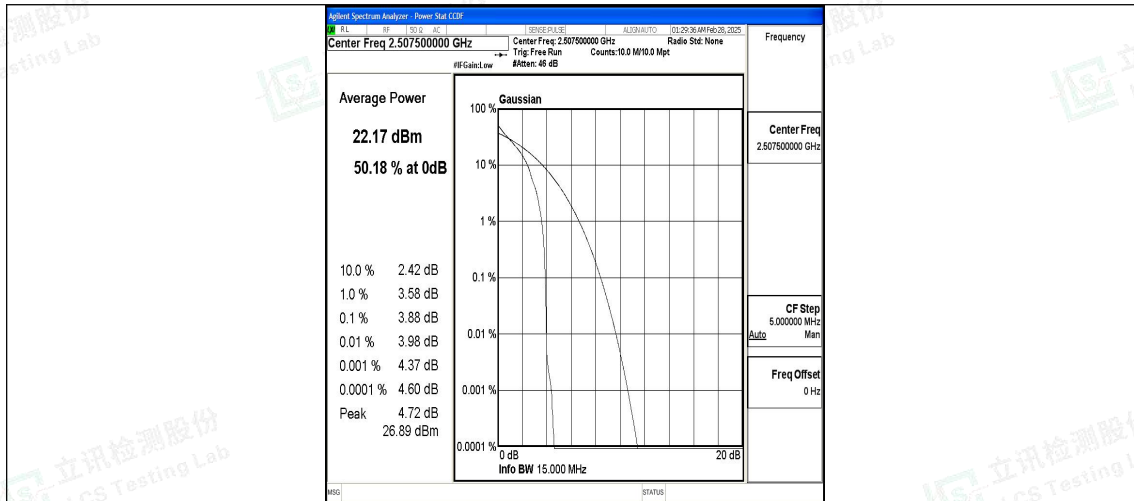


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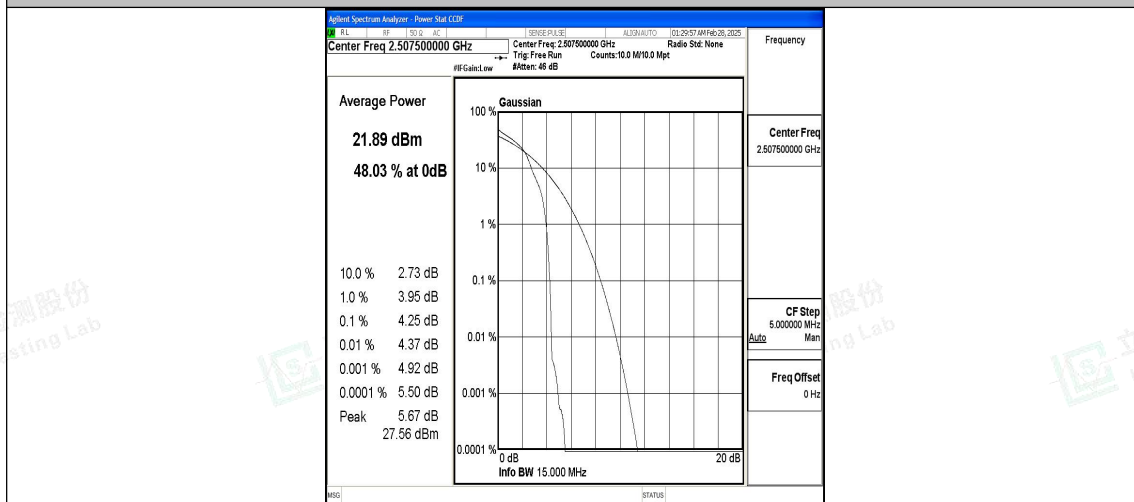
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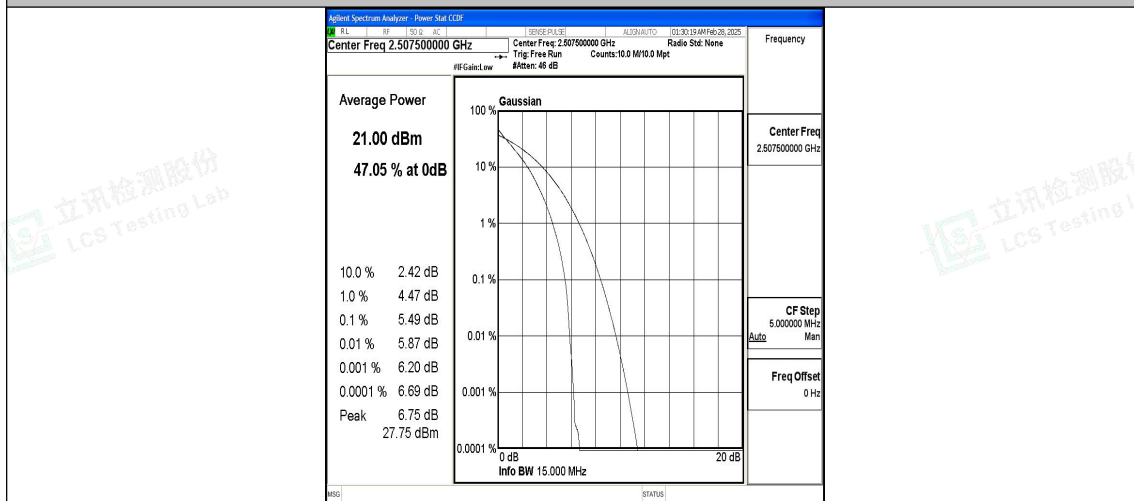
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Band7-15MHz-QPSK-20825-1RB#0-PASS



Band7-15MHz-16QAM-20825-1RB#0-PASS



Band7-15MHz-QPSK-20825-75RB#0-PASS

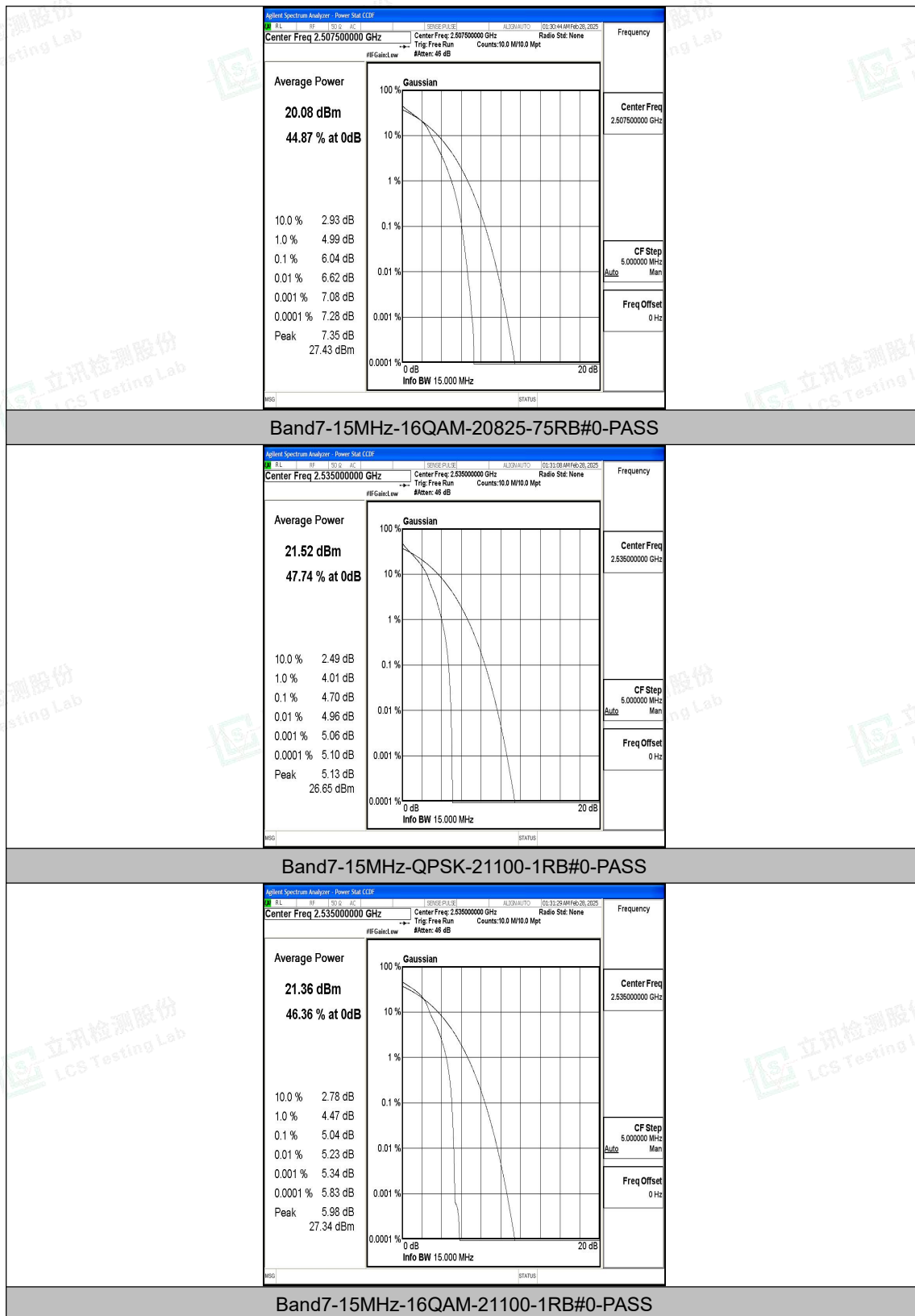


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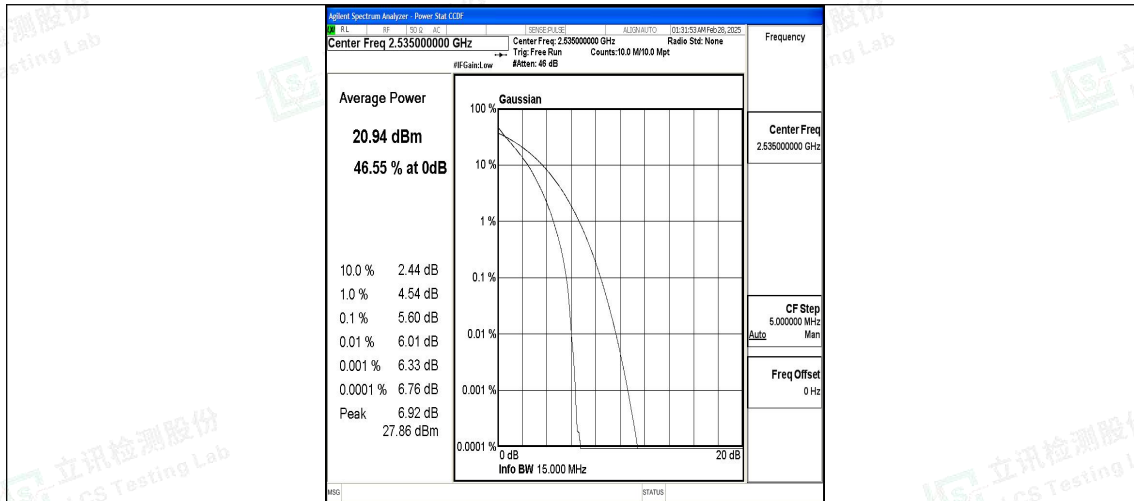


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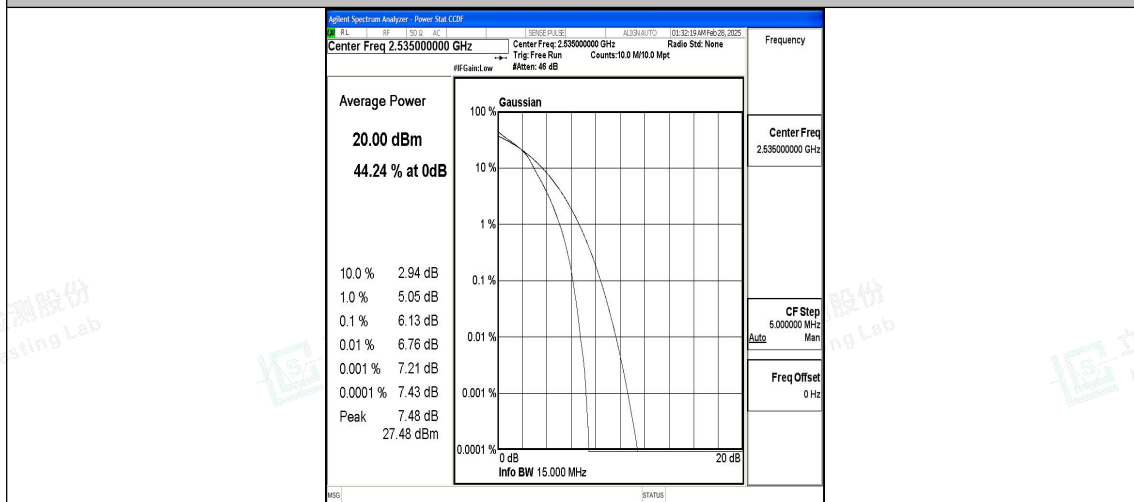
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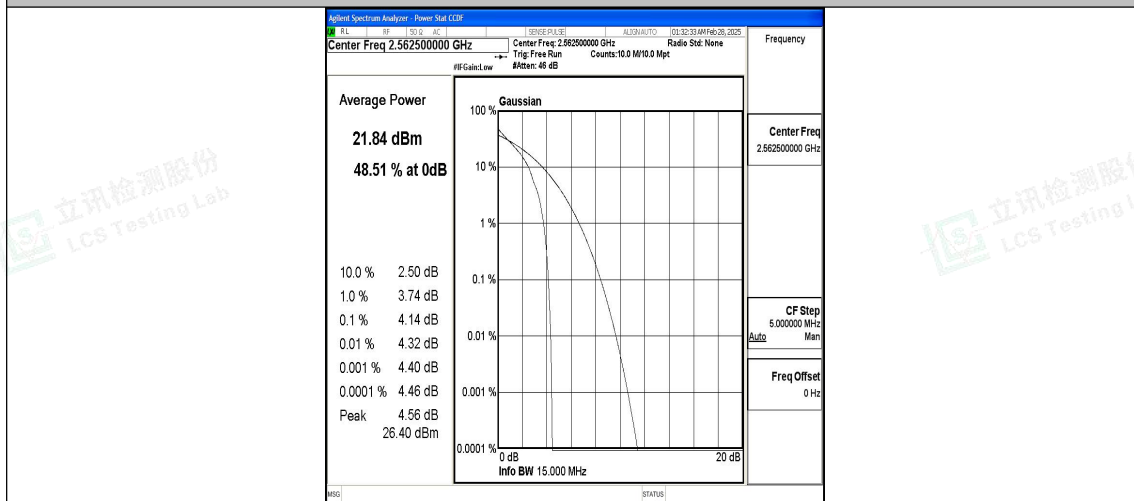
Scan code to check authenticity



Band7-15MHz-QPSK-21100-75RB#0-PASS



Band7-15MHz-16QAM-21100-75RB#0-PASS



Band7-15MHz-QPSK-21375-1RB#0-PASS

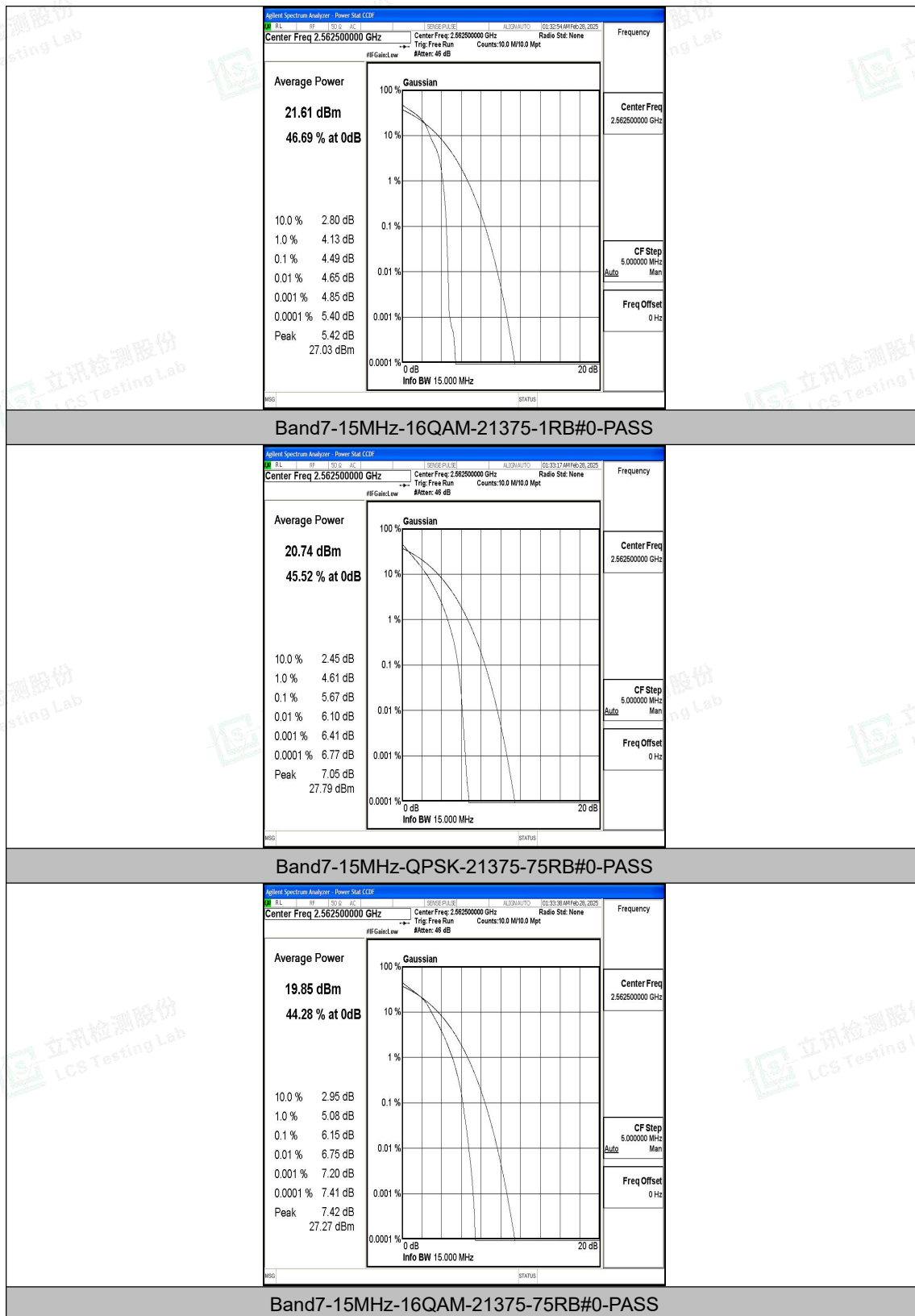


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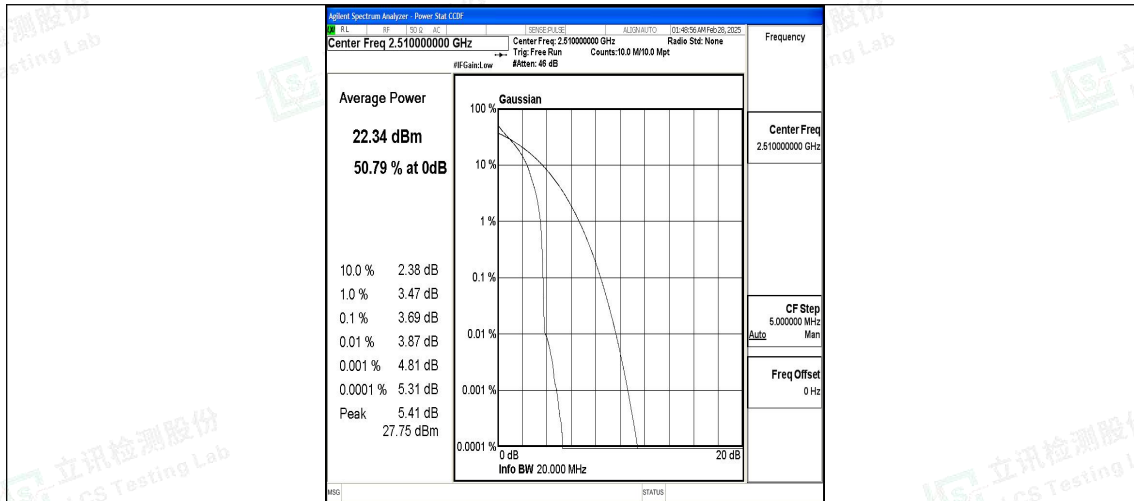


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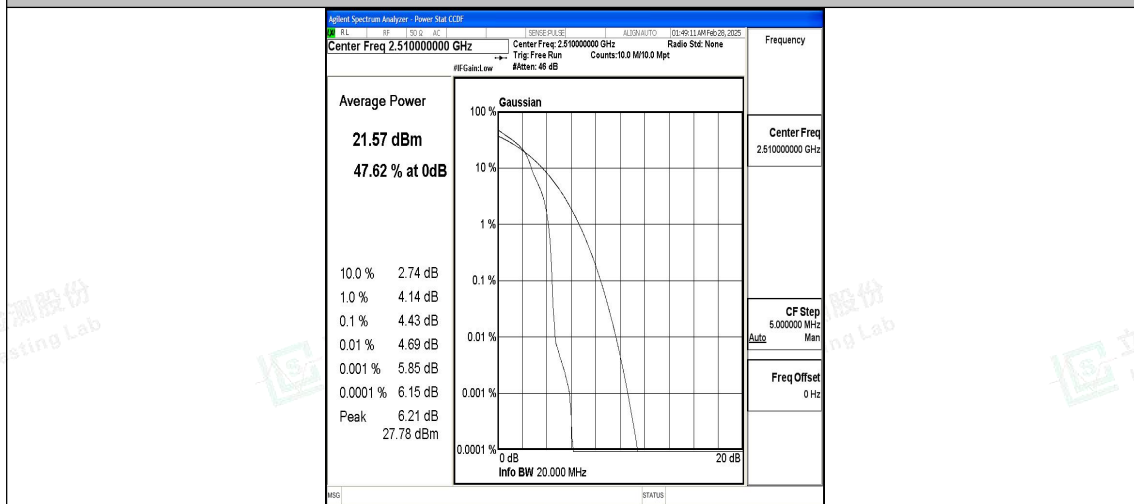
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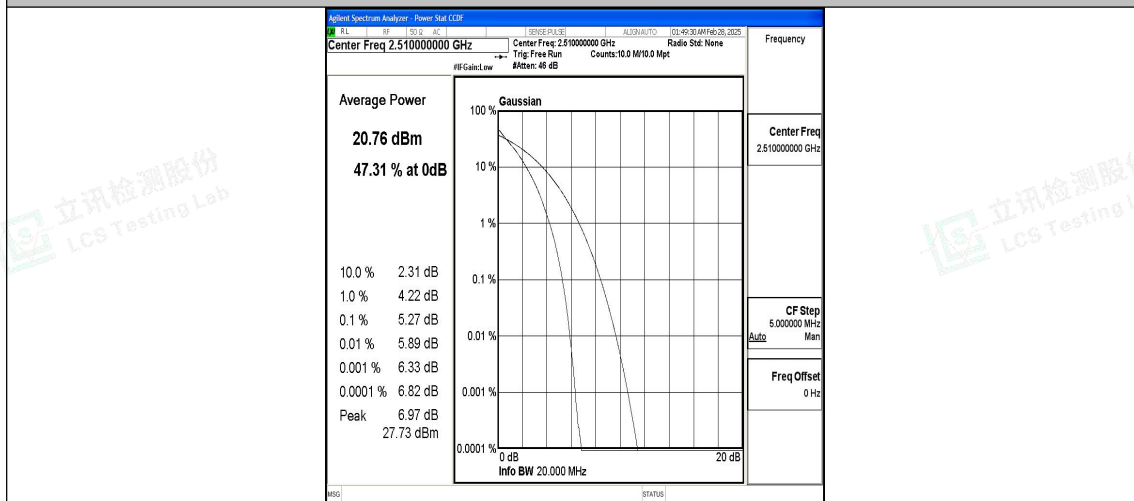
Scan code to check authenticity



Band7-20MHz-QPSK-20850-1RB#0-PASS



Band7-20MHz-16QAM-20850-1RB#0-PASS



Band7-20MHz-QPSK-20850-100RB#0-PASS

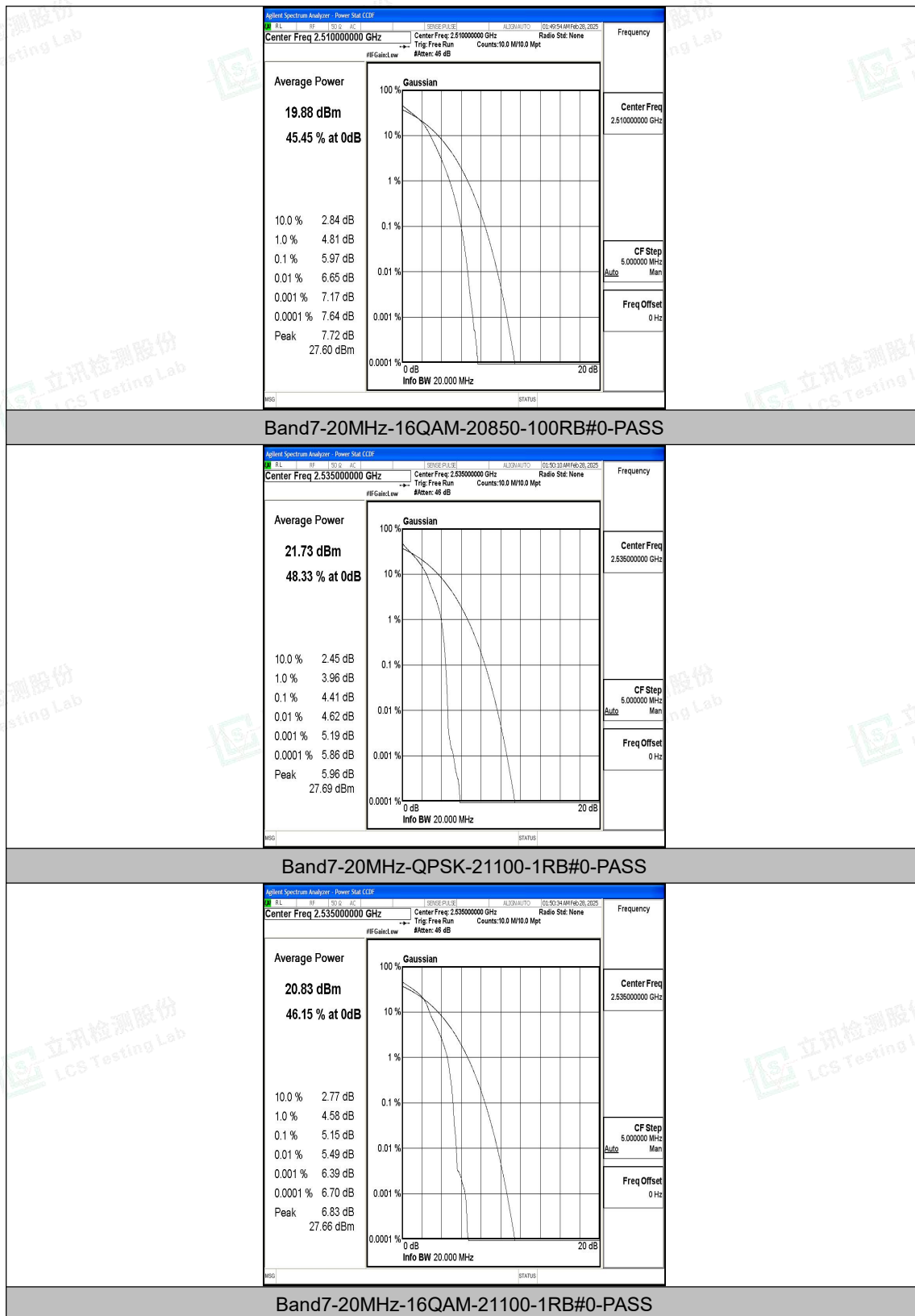


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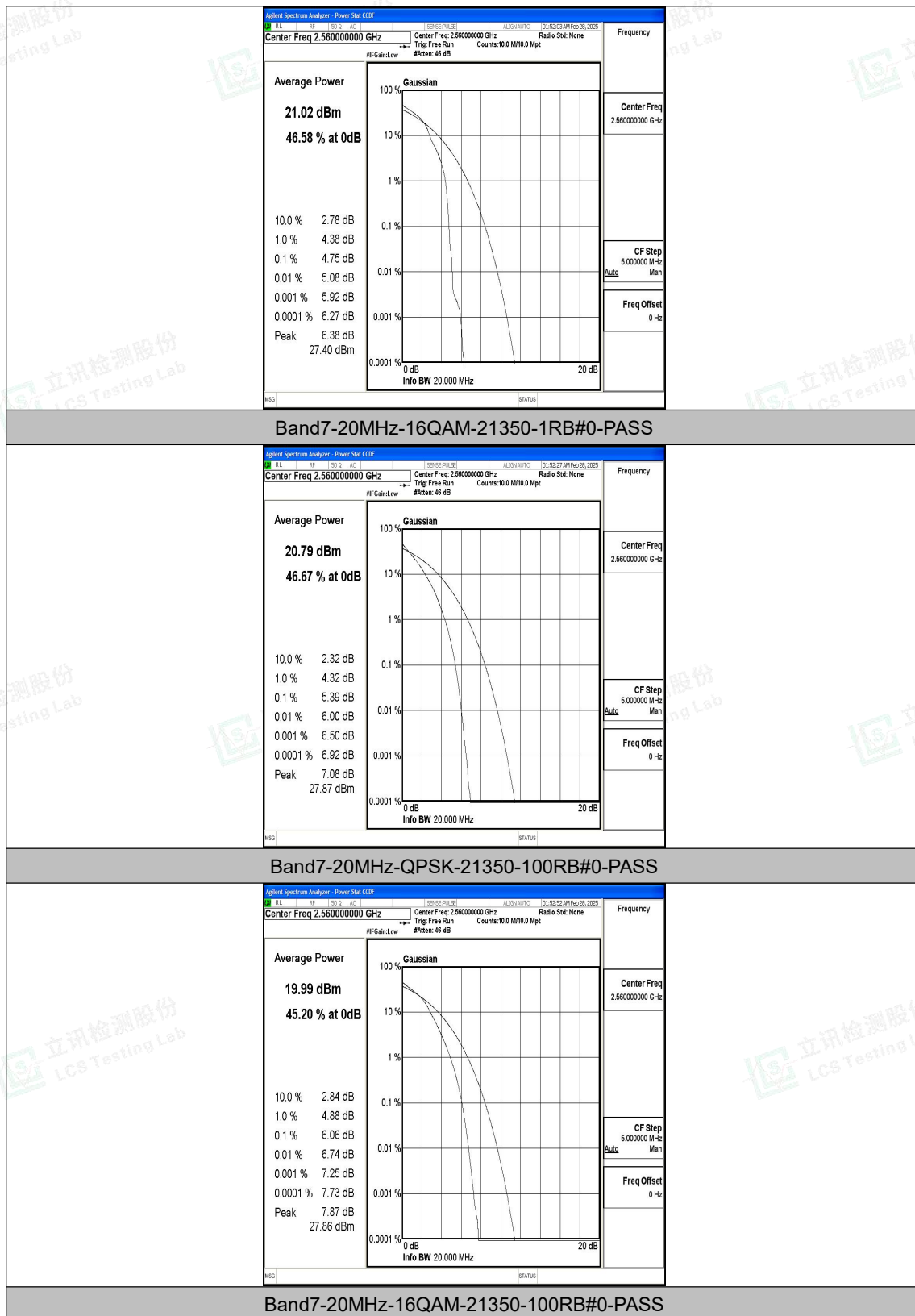


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G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5161	4.979	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5036	4.984	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5211	4.971	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5078	4.954	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5043	4.941	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5149	4.972	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9906	9.932	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9923	9.914	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9779	9.880	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0005	9.889	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0148	9.884	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9952	9.915	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.524	14.99	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.523	15.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.513	14.87	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.498	14.86	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.517	14.92	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.503	14.89	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.019	19.73	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.046	19.73	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.002	19.79	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.037	19.70	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.003	19.83	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.990	19.73	PASS



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