



Appendix G: Test Data for E-UTRA Band 4

Product Name: Smartphone

Test Model: Hyline Pro

Environmental Conditions

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



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G.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.48	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.64	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.49	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.59	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.61	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.07	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.47	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.54	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.49	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.56	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.46	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.54	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	20.68	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.96	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.39	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	20.31	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	21.20	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.19	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.23	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.17	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.17	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.27	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.16	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.28	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.31	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.21	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	20.52	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.29	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.23	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.24	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.16	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.22	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.84	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.37	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.39	PASS



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Band4	1.4MHz	QPSK	20393	3RB#1	21.38	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.38	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.35	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.41	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.60	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.95	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.41	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.91	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.42	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.87	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.40	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.81	PASS
Band4	3MHz	QPSK	19965	8RB#0	20.74	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.15	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.77	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.18	PASS
Band4	3MHz	QPSK	19965	8RB#7	20.72	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.18	PASS
Band4	3MHz	QPSK	19965	15RB#0	20.69	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.13	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.33	PASS
Band4	3MHz	16QAM	20175	1RB#0	20.21	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.15	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.19	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.36	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.61	PASS
Band4	3MHz	QPSK	20175	8RB#0	20.41	PASS
Band4	3MHz	16QAM	20175	8RB#0	19.96	PASS
Band4	3MHz	QPSK	20175	8RB#4	20.43	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.97	PASS
Band4	3MHz	QPSK	20175	8RB#7	20.54	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.88	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.37	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.71	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.31	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.92	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.35	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.90	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.34	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.96	PASS



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Band4	3MHz	QPSK	20385	8RB#0	20.63	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.98	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.65	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.58	PASS
Band4	3MHz	16QAM	20385	8RB#7	19.99	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.65	PASS
Band4	3MHz	16QAM	20385	15RB#0	19.90	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.53	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.33	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.47	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.23	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.49	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.26	PASS
Band4	5MHz	QPSK	19975	12RB#0	20.74	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.99	PASS
Band4	5MHz	QPSK	19975	12RB#6	20.75	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.99	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.67	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.97	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.71	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.05	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.17	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.85	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.16	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.87	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.19	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.87	PASS
Band4	5MHz	QPSK	20175	12RB#0	20.43	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.90	PASS
Band4	5MHz	QPSK	20175	12RB#6	20.45	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.89	PASS
Band4	5MHz	QPSK	20175	12RB#13	20.43	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.87	PASS
Band4	5MHz	QPSK	20175	25RB#0	20.48	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.89	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.57	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.33	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.60	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.42	PASS



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Band4	5MHz	QPSK	20375	1RB#24	21.67	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.69	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.70	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.86	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.72	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.87	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.61	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.92	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.70	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.98	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.37	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.95	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.28	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.91	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.26	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.85	PASS
Band4	10MHz	QPSK	20000	25RB#0	20.67	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.01	PASS
Band4	10MHz	QPSK	20000	25RB#12	20.59	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	20.69	PASS
Band4	10MHz	16QAM	20000	25RB#25	19.90	PASS
Band4	10MHz	QPSK	20000	50RB#0	20.64	PASS
Band4	10MHz	16QAM	20000	50RB#0	19.95	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.35	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.64	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.07	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.67	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.16	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.55	PASS
Band4	10MHz	QPSK	20175	25RB#0	20.48	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.96	PASS
Band4	10MHz	QPSK	20175	25RB#12	20.46	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.95	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.36	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.90	PASS
Band4	10MHz	QPSK	20175	50RB#0	20.36	PASS
Band4	10MHz	16QAM	20175	50RB#0	19.82	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.12	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.25	PASS



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Band4	10MHz	QPSK	20350	1RB#24	21.18	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.36	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.31	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.51	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.62	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.87	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.55	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.87	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.65	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.89	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.68	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.92	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.46	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.90	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.35	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.84	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.16	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.77	PASS
Band4	15MHz	QPSK	20025	38RB#0	20.68	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.68	PASS
Band4	15MHz	QPSK	20025	38RB#18	20.68	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.68	PASS
Band4	15MHz	QPSK	20025	38RB#37	20.68	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.67	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.67	PASS
Band4	15MHz	16QAM	20025	75RB#0	19.88	PASS
Band4	15MHz	QPSK	20175	1RB#0	20.96	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.80	PASS
Band4	15MHz	QPSK	20175	1RB#38	20.93	PASS
Band4	15MHz	16QAM	20175	1RB#38	20.70	PASS
Band4	15MHz	QPSK	20175	1RB#74	20.87	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.64	PASS
Band4	15MHz	QPSK	20175	38RB#0	20.33	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.53	PASS
Band4	15MHz	QPSK	20175	38RB#18	20.41	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.50	PASS
Band4	15MHz	QPSK	20175	38RB#37	20.40	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.40	PASS
Band4	15MHz	QPSK	20175	75RB#0	20.40	PASS
Band4	15MHz	16QAM	20175	75RB#0	19.87	PASS



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Band4	15MHz	QPSK	20325	1RB#0	21.07	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.11	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.15	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.01	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.29	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.17	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.56	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.56	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.56	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.57	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.57	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.57	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.57	PASS
Band4	15MHz	16QAM	20325	75RB#0	19.88	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.84	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.70	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.76	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.67	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.60	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.45	PASS
Band4	20MHz	QPSK	20050	50RB#0	20.62	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.01	PASS
Band4	20MHz	QPSK	20050	50RB#25	20.66	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.02	PASS
Band4	20MHz	QPSK	20050	50RB#50	20.51	PASS
Band4	20MHz	16QAM	20050	50RB#50	19.84	PASS
Band4	20MHz	QPSK	20050	100RB#0	20.62	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.88	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.31	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.20	PASS
Band4	20MHz	QPSK	20175	1RB#49	21.13	PASS
Band4	20MHz	16QAM	20175	1RB#49	20.98	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.16	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.85	PASS
Band4	20MHz	QPSK	20175	50RB#0	20.48	PASS
Band4	20MHz	16QAM	20175	50RB#0	19.81	PASS
Band4	20MHz	QPSK	20175	50RB#25	20.55	PASS
Band4	20MHz	16QAM	20175	50RB#25	19.80	PASS
Band4	20MHz	QPSK	20175	50RB#50	20.49	PASS
Band4	20MHz	16QAM	20175	50RB#50	19.83	PASS



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Band4	20MHz	QPSK	20175	100RB#0	20.52	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.84	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.37	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.21	PASS
Band4	20MHz	QPSK	20300	1RB#49	21.35	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.23	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.55	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.94	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.44	PASS
Band4	20MHz	16QAM	20300	50RB#0	19.98	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.49	PASS
Band4	20MHz	16QAM	20300	50RB#25	19.96	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.62	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.53	PASS
Band4	20MHz	16QAM	20300	100RB#0	19.85	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.02	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	4.82	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.56	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	4.95	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3.93	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.54	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.05	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	4.79	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.54	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.13	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	3.88	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.62	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.11	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.72	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.51	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.08	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	3.88	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.49	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.31	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	4.95	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.58	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.08	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	3.86	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	4.57	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.85	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.29	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.94	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.37	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.34	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	4.83	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.89	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.53	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.84	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.41	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.52	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.11	13	PASS



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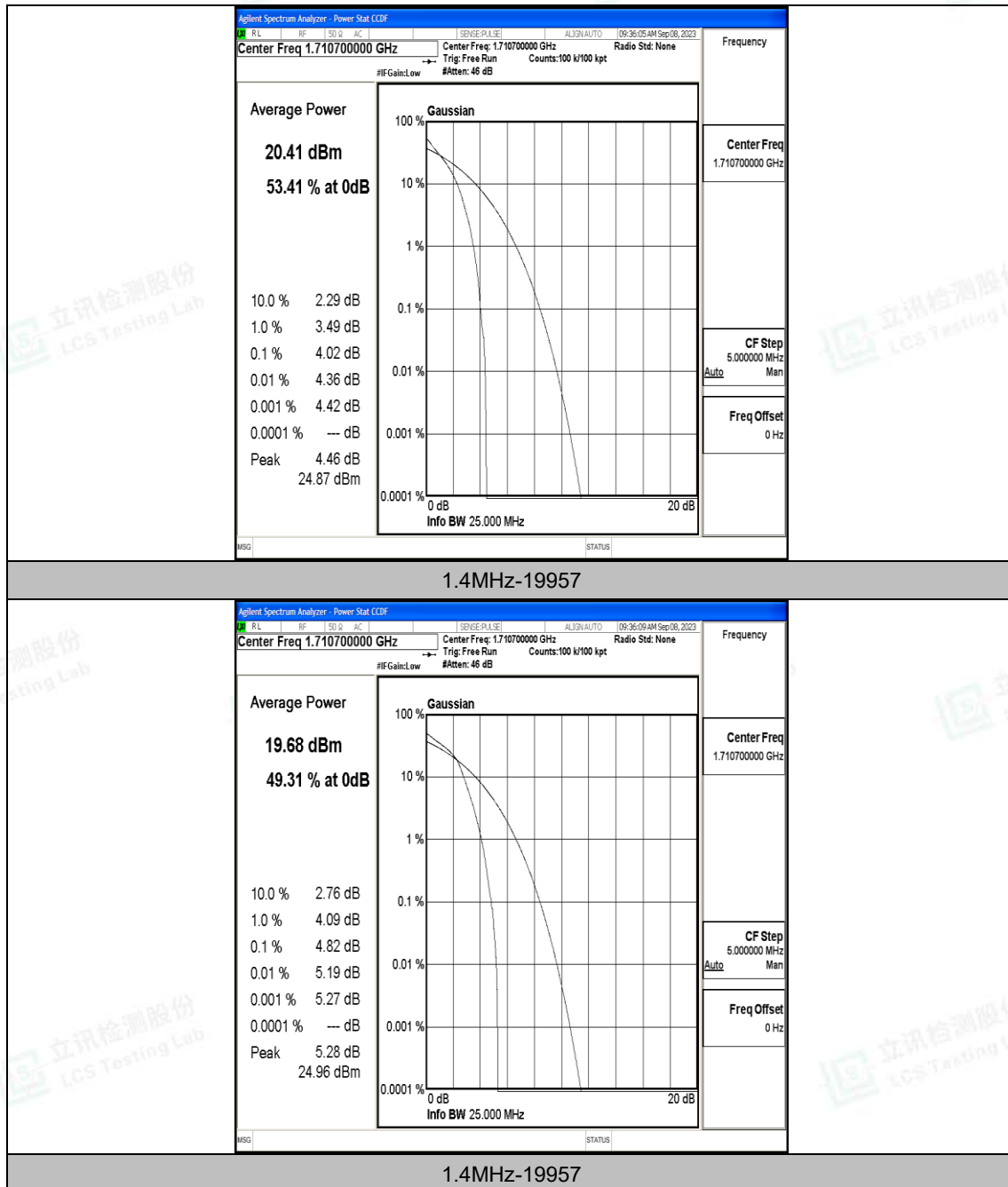
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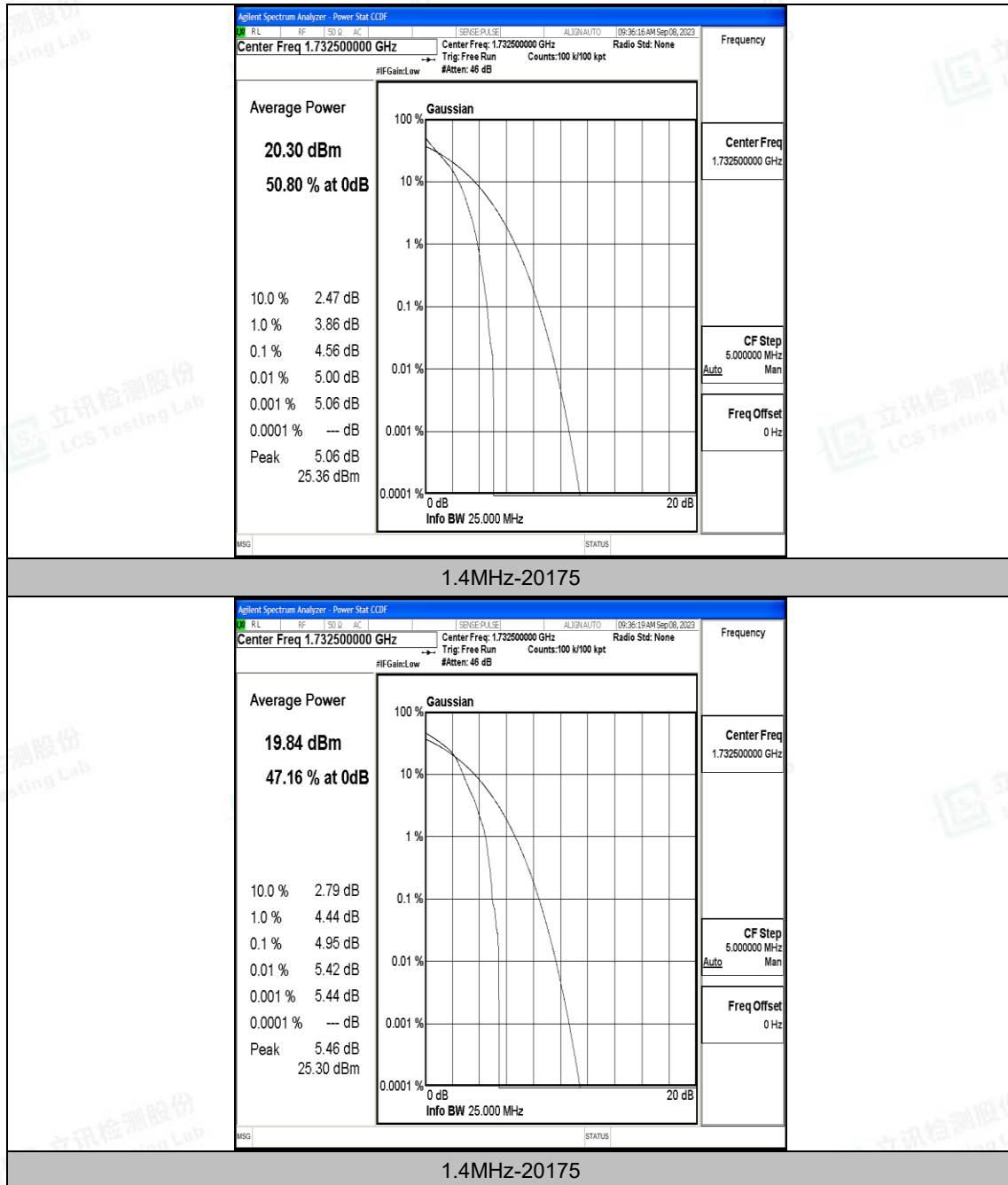
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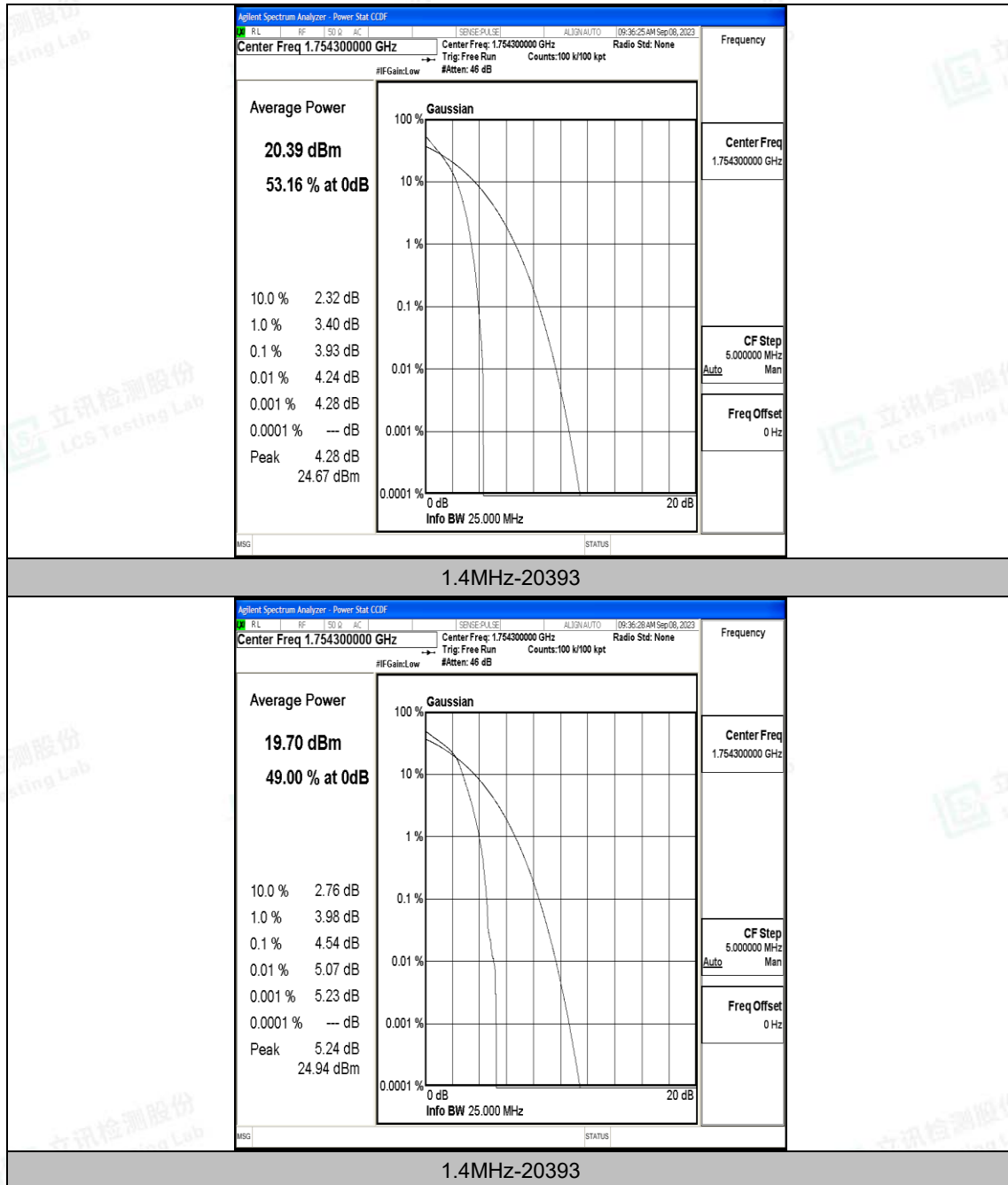
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Test Graphs





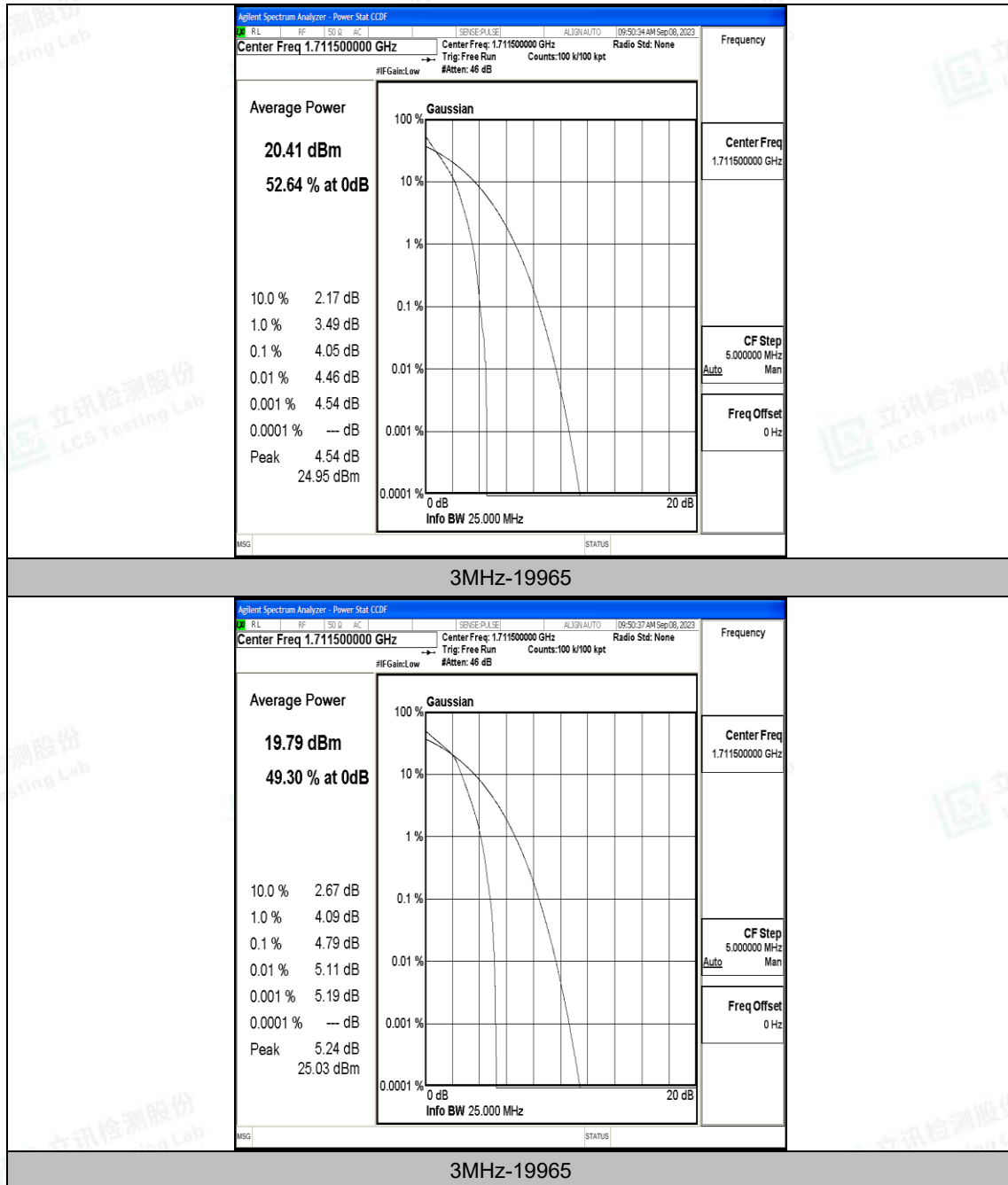


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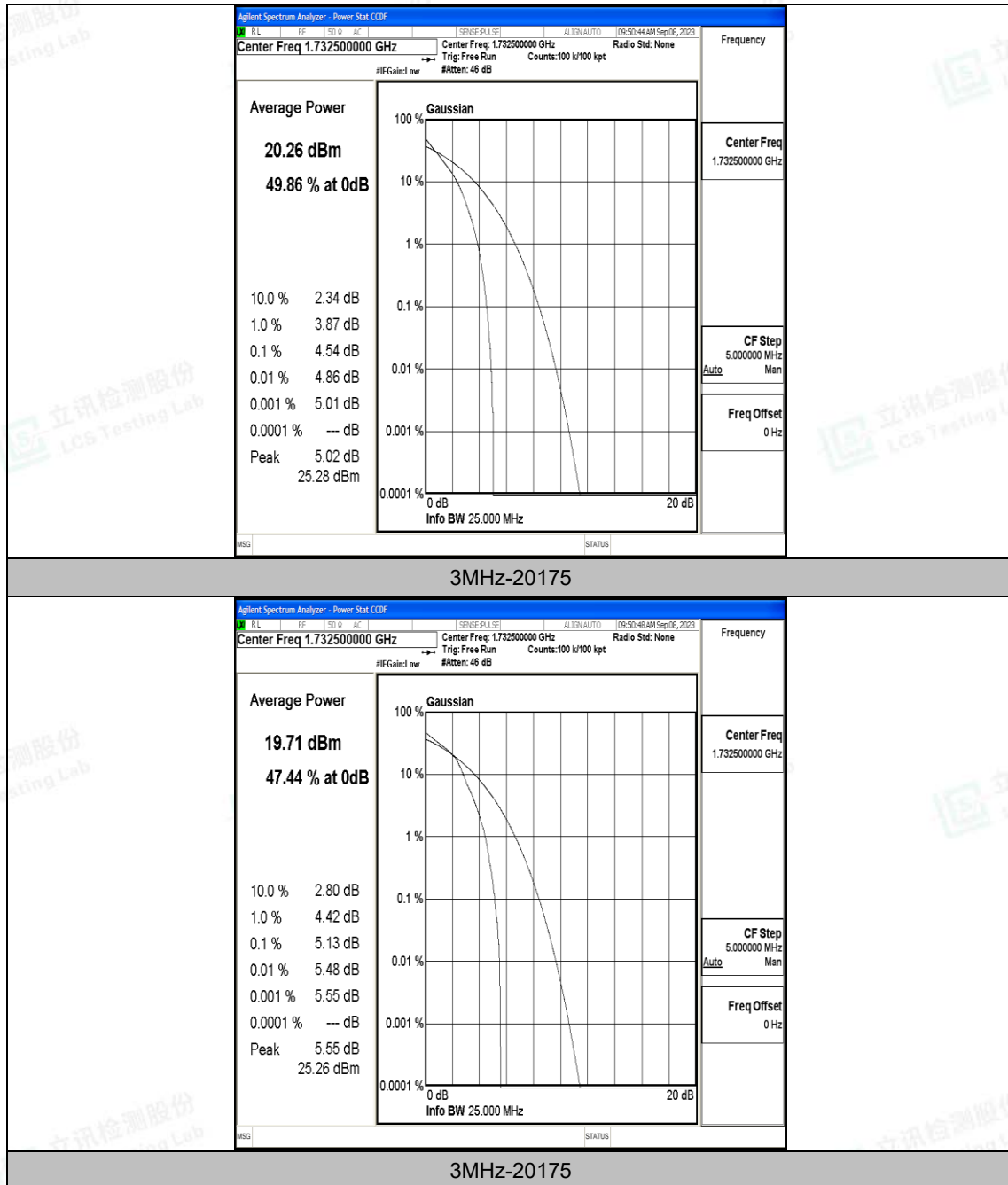


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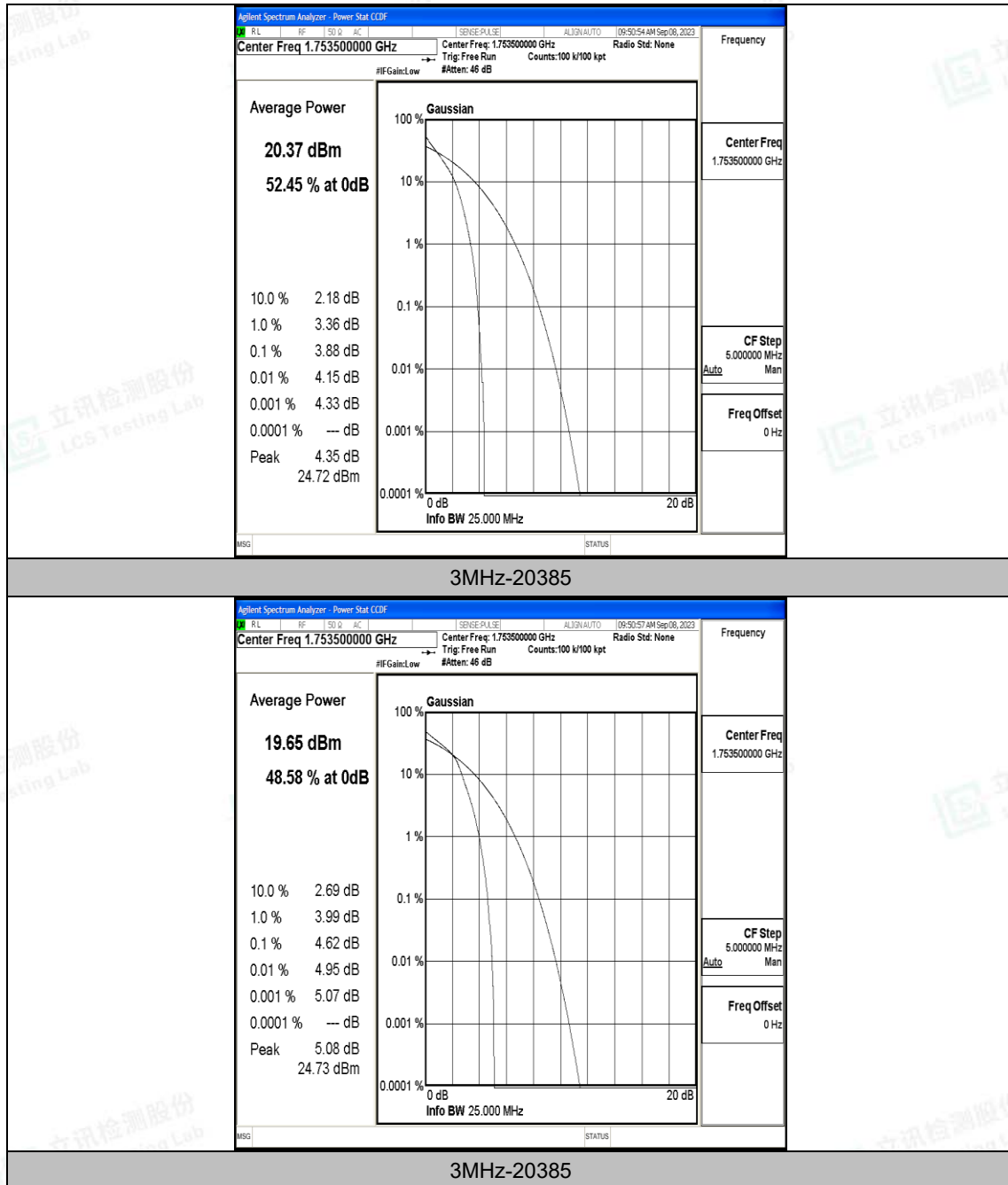


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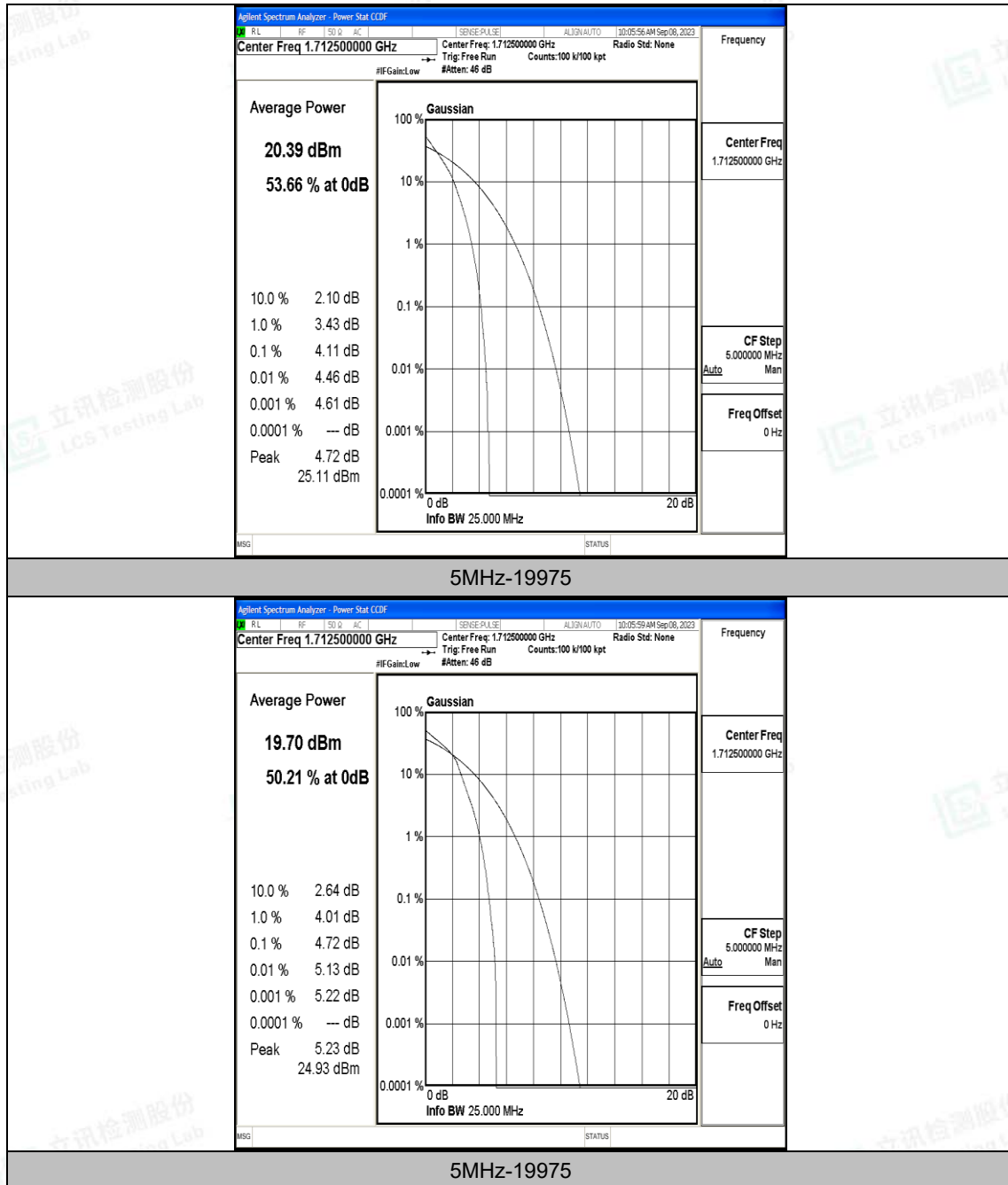


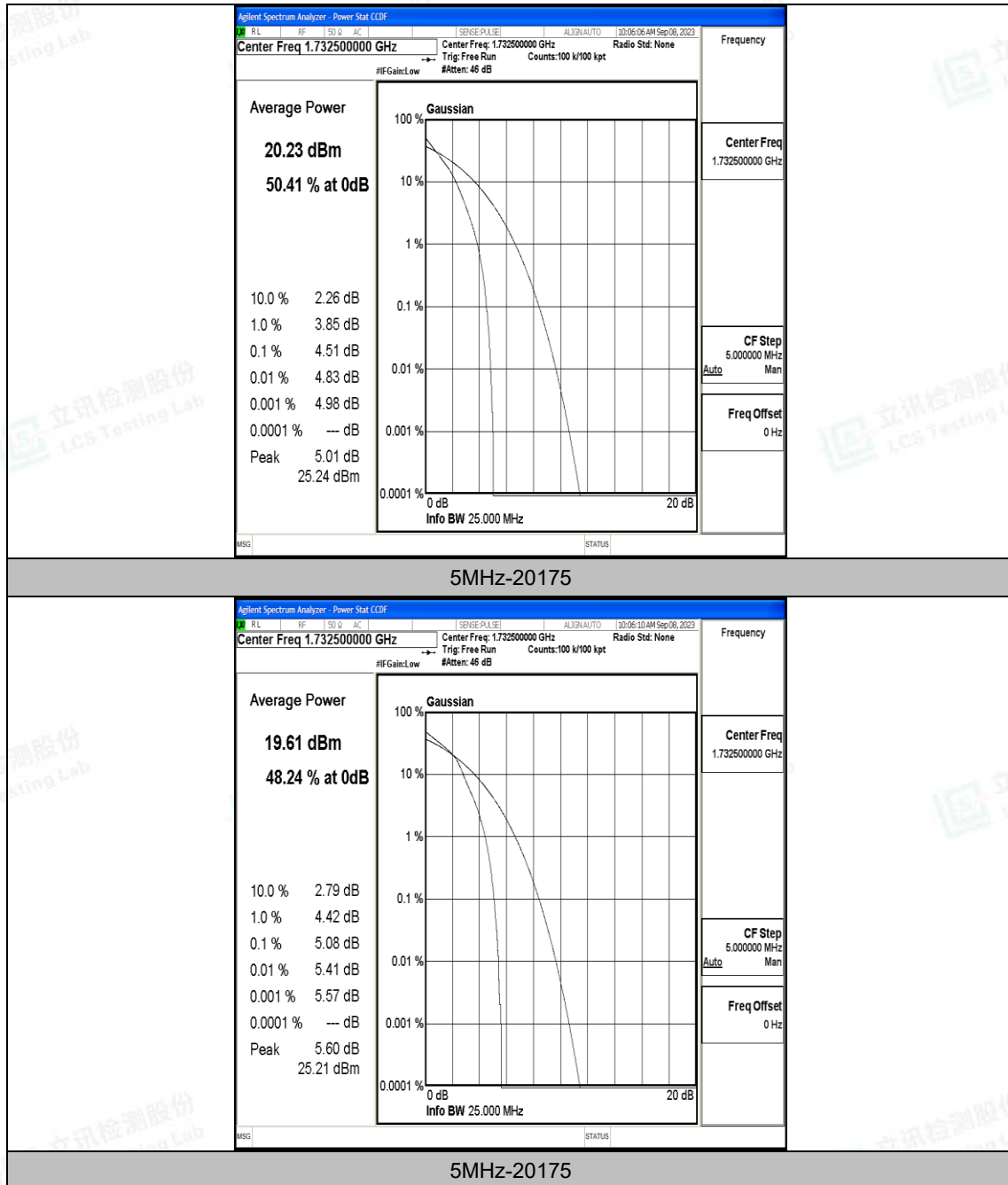
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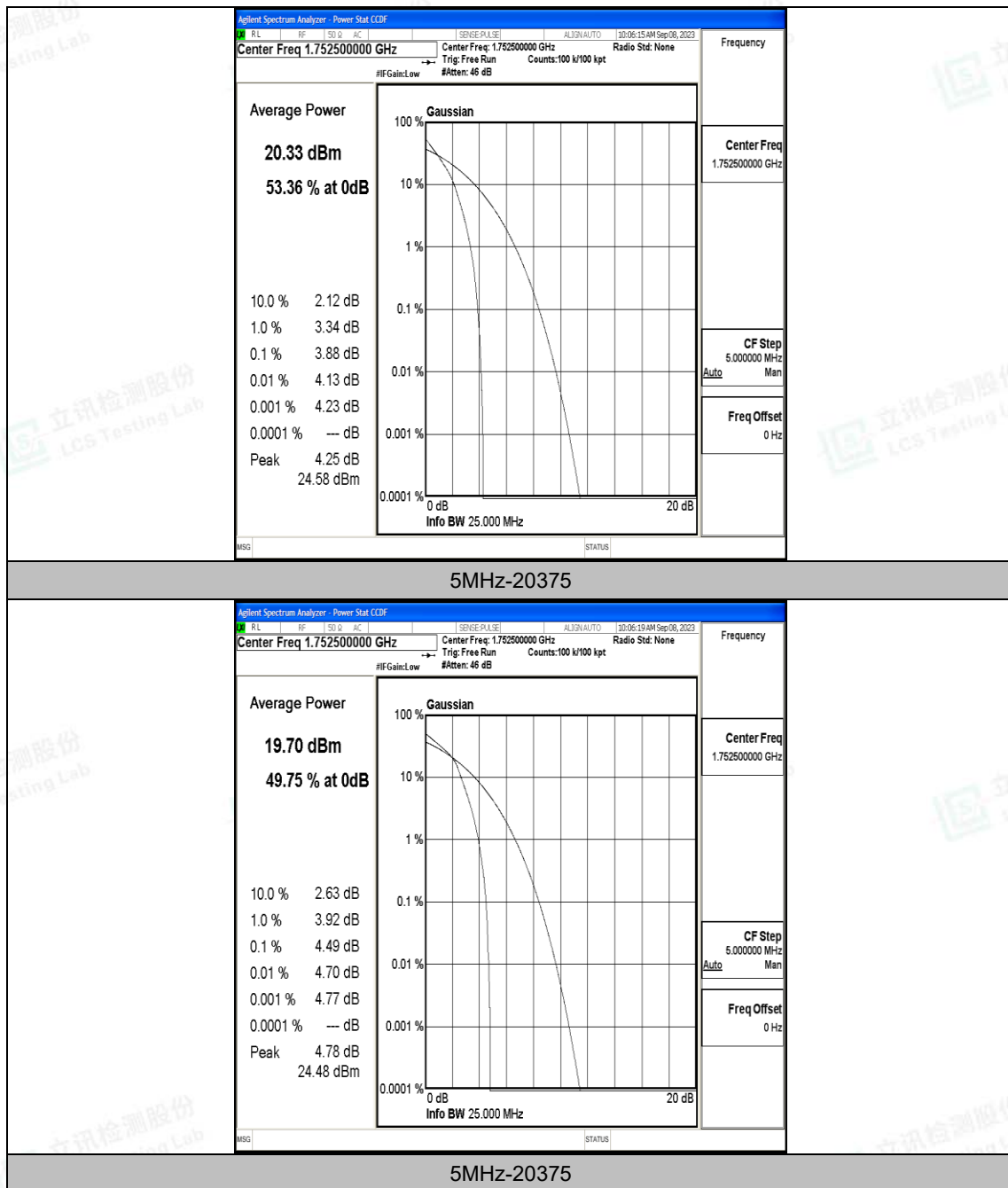
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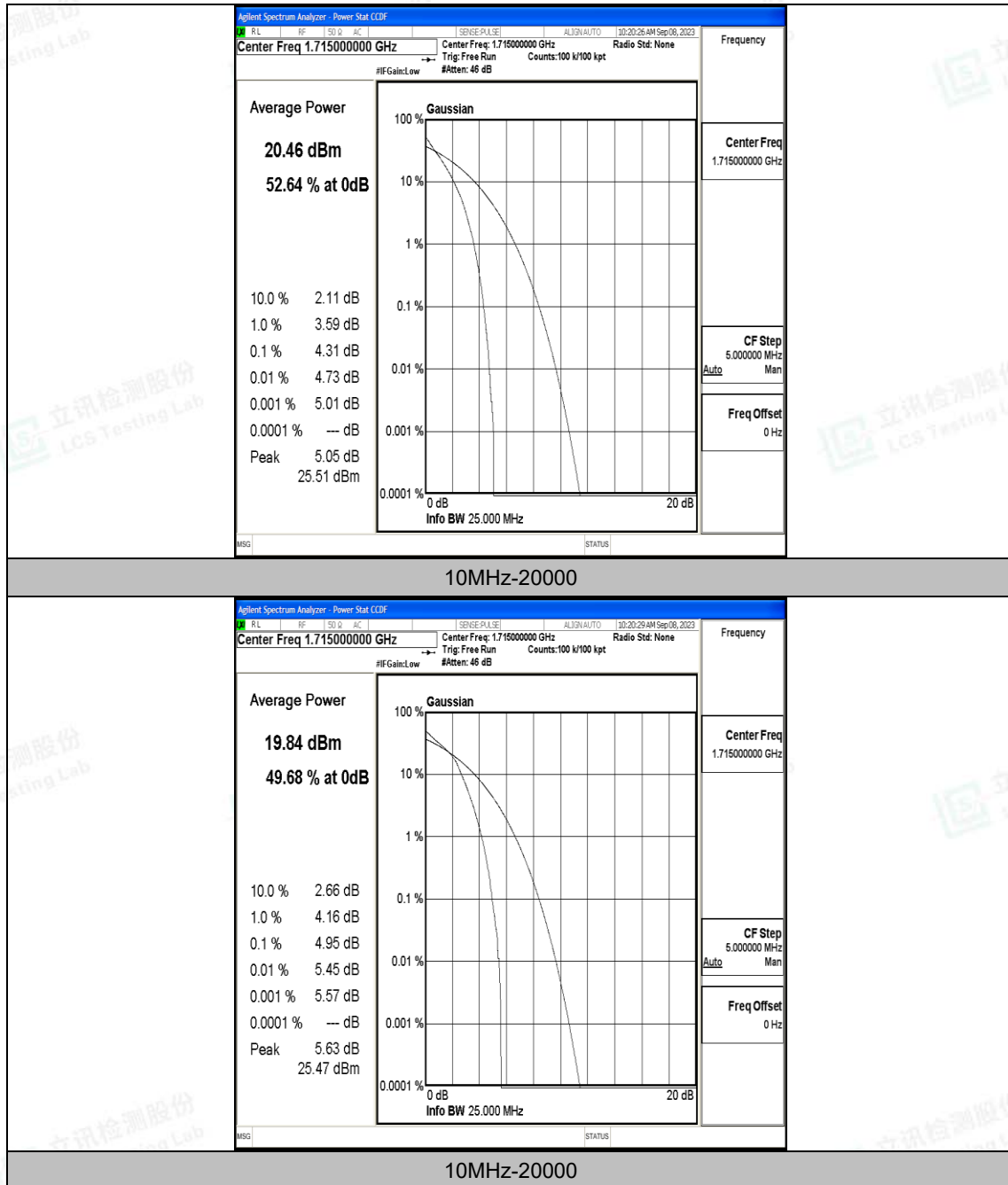
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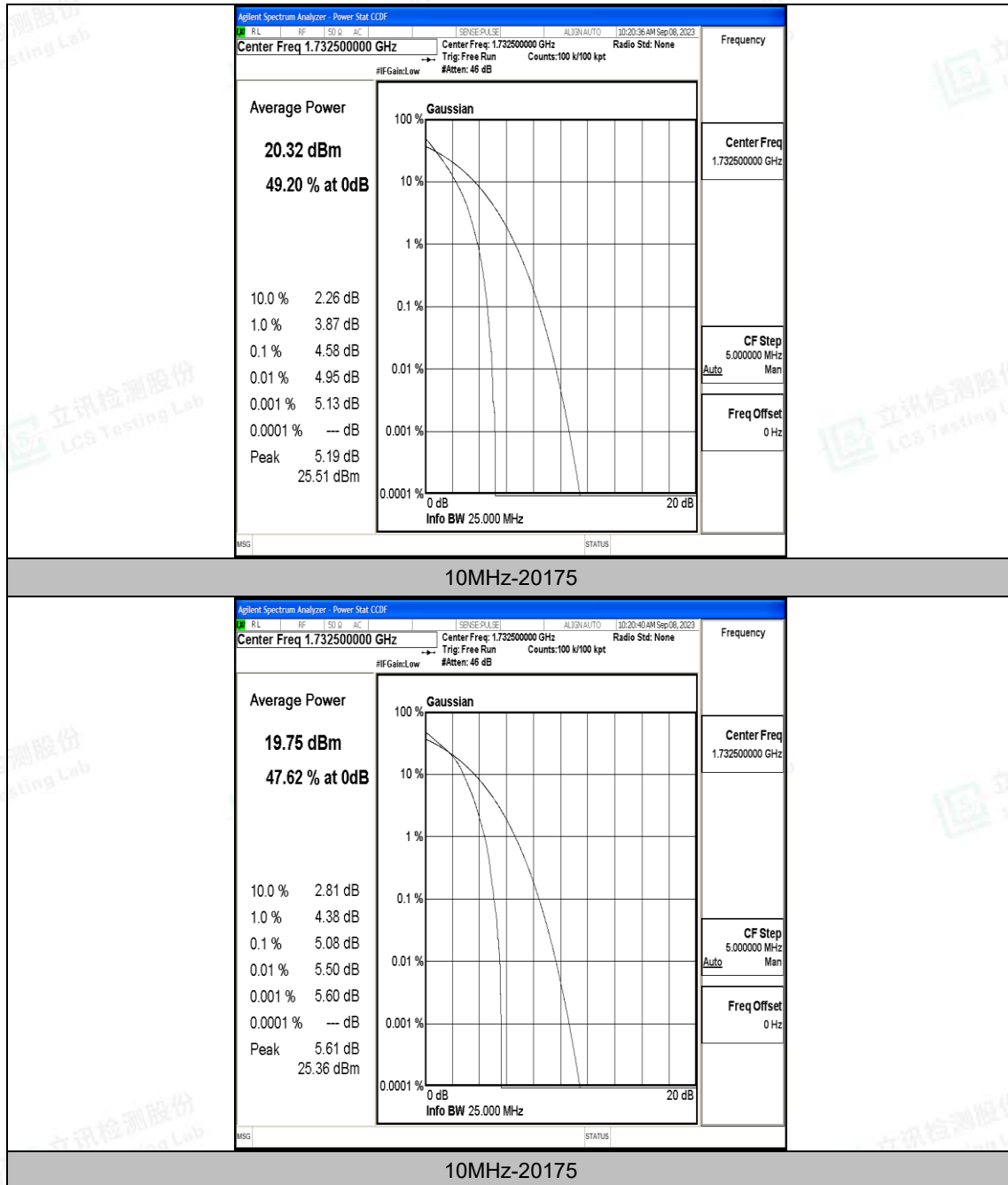
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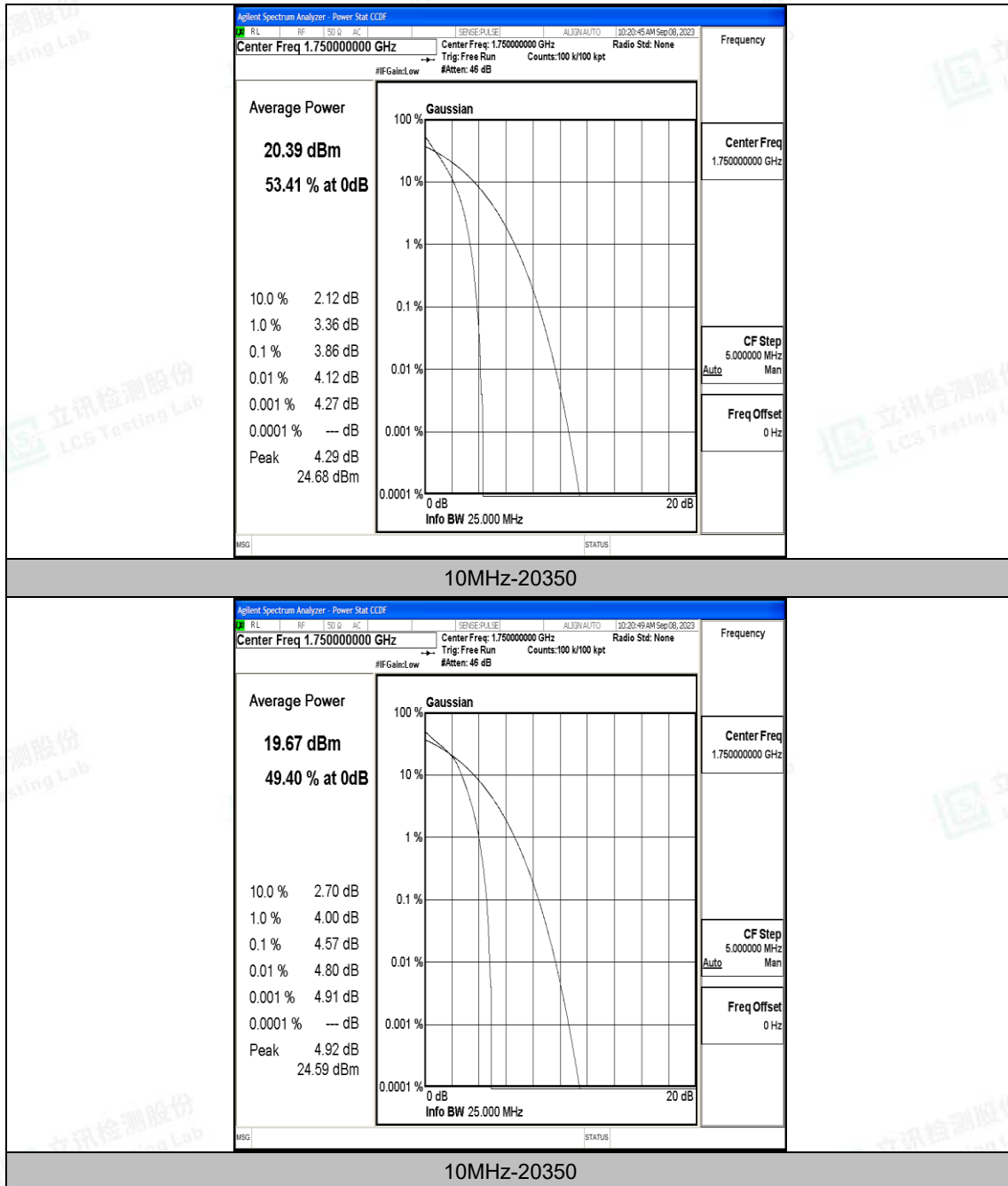


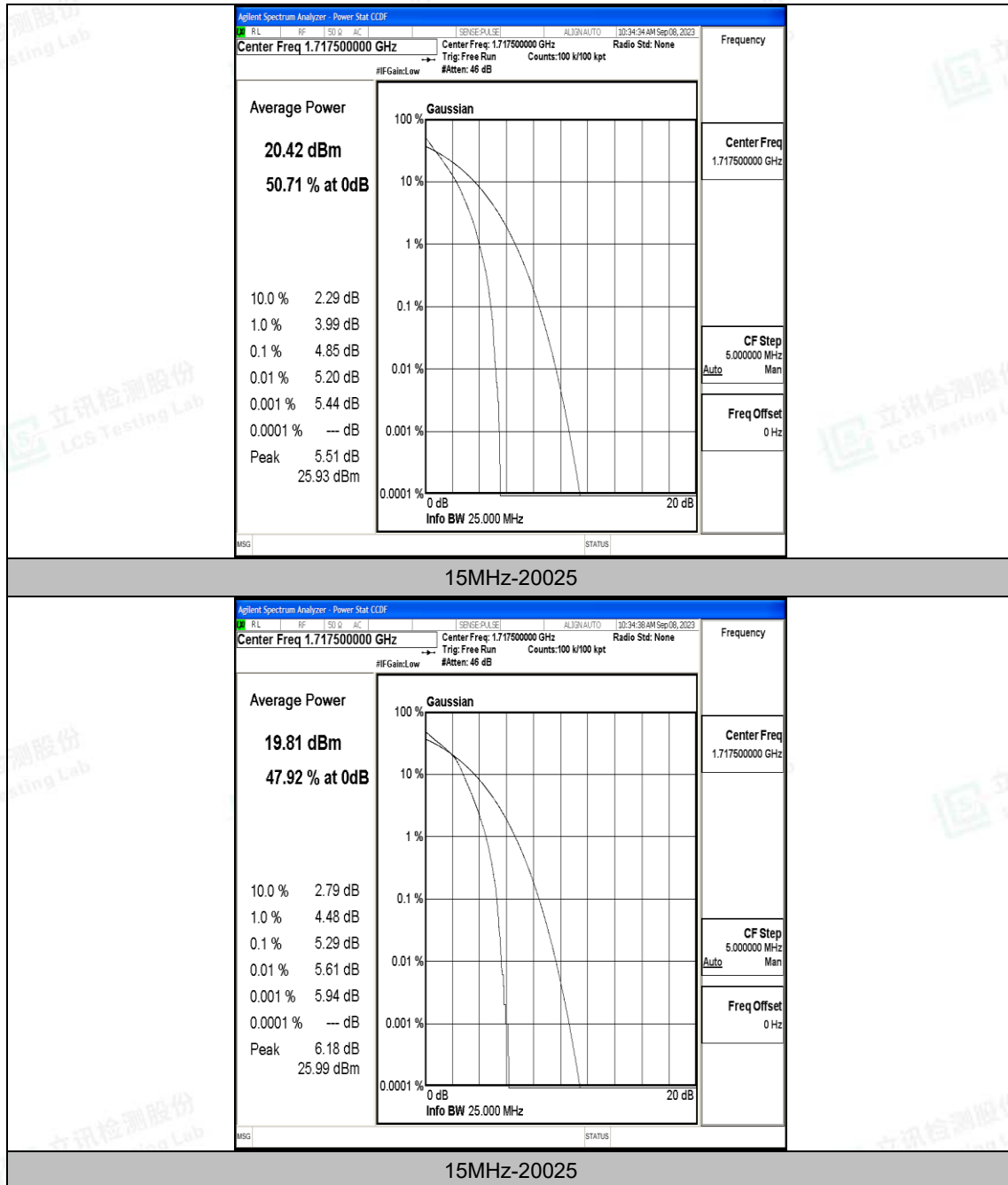










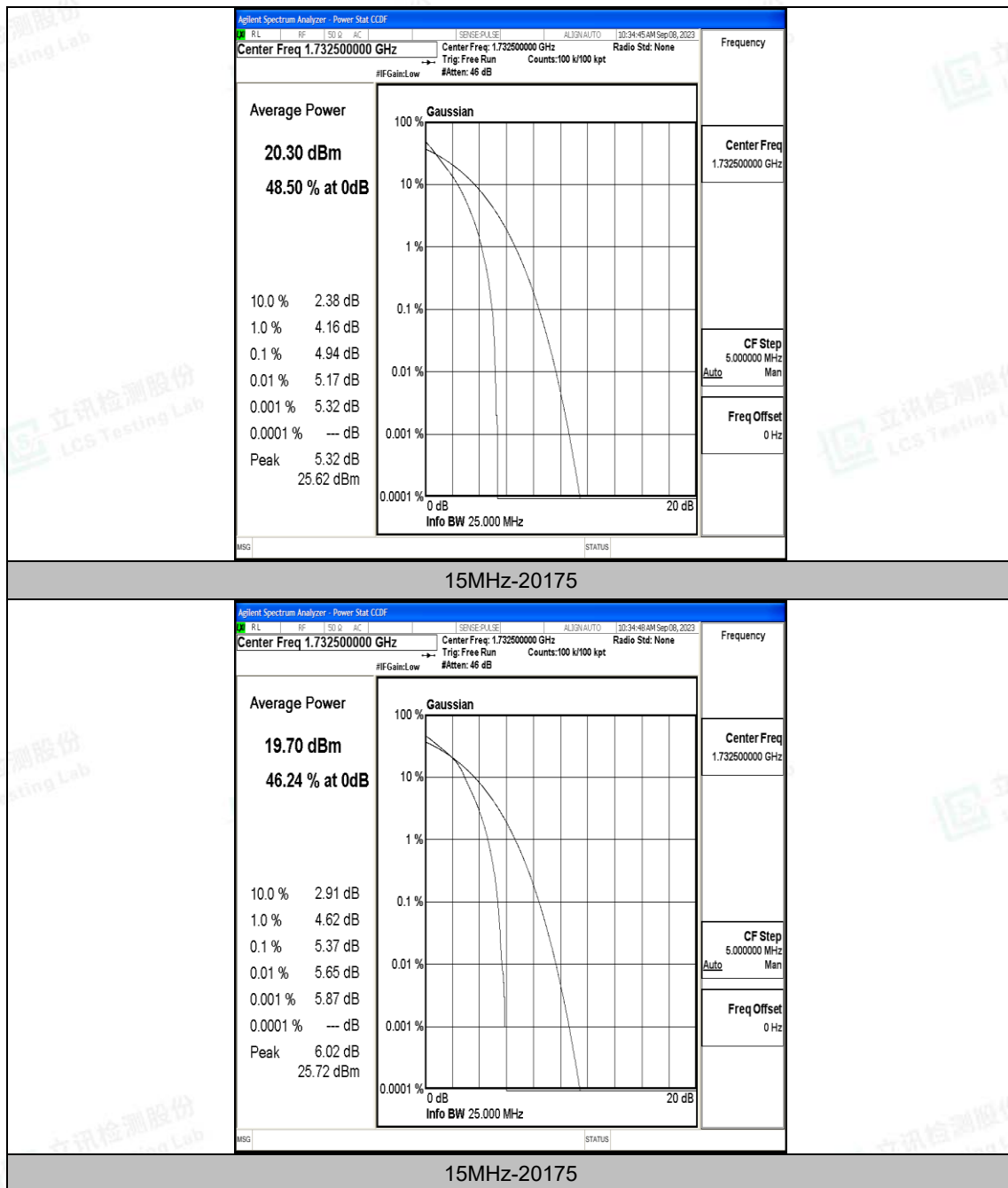


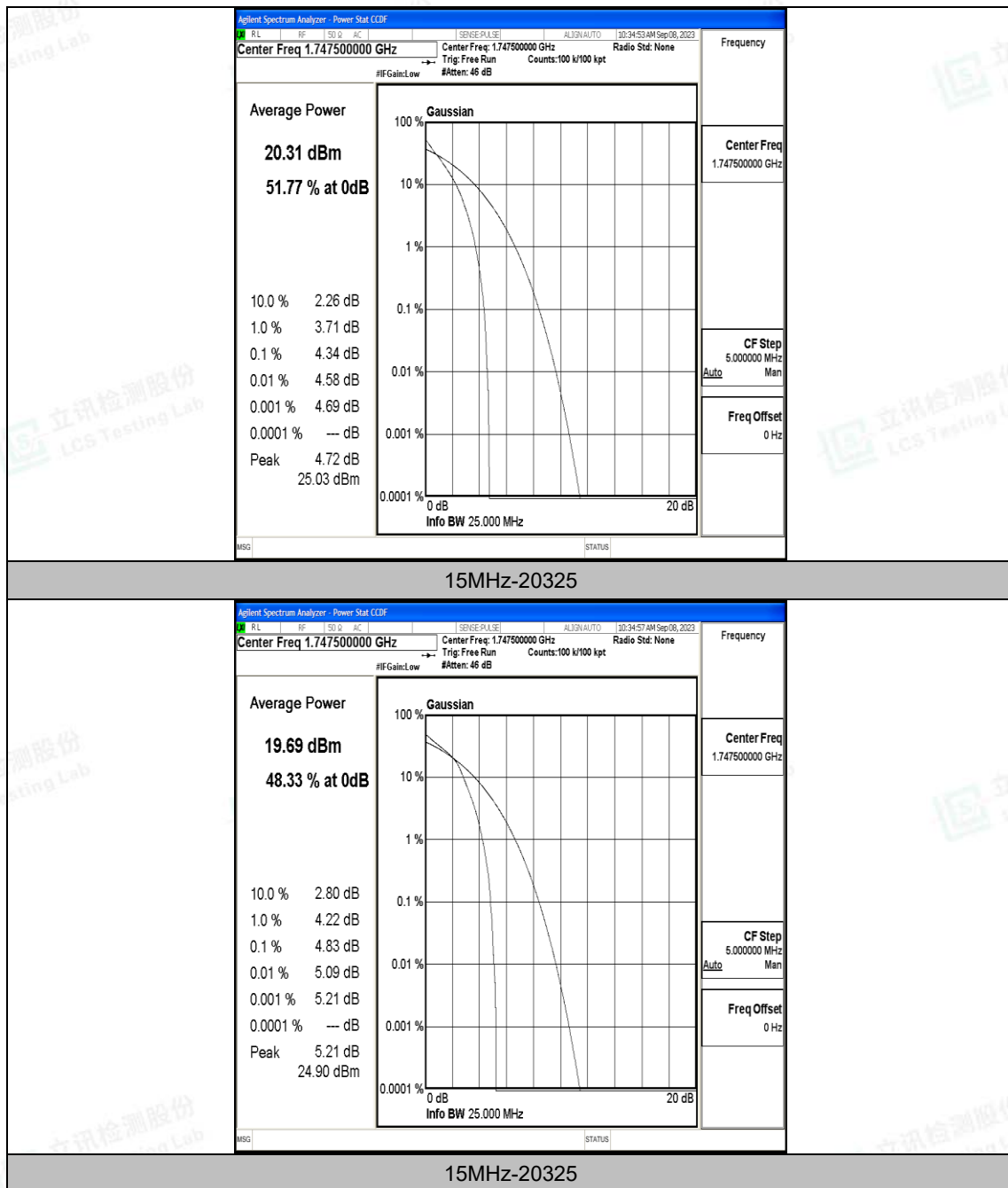
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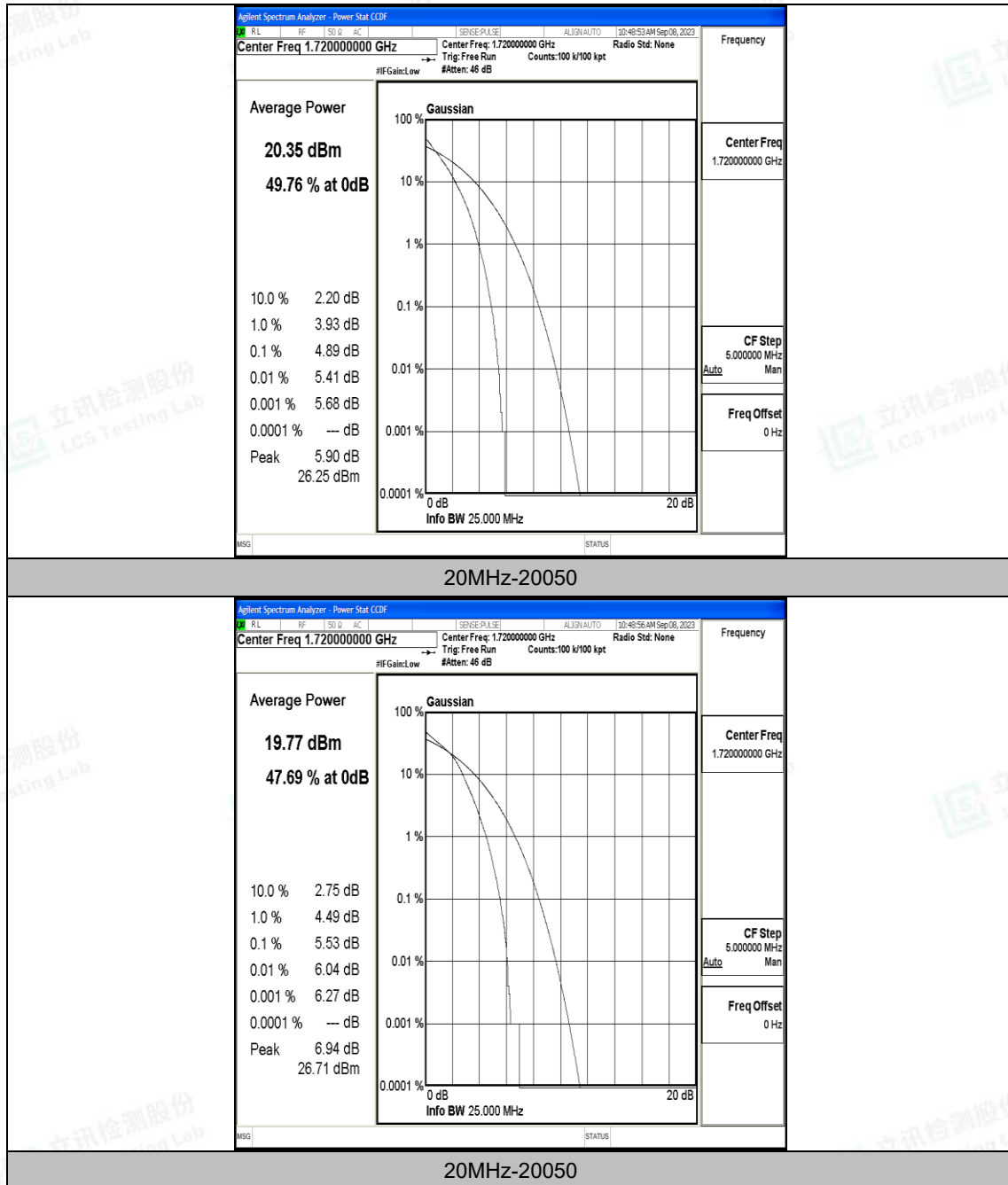
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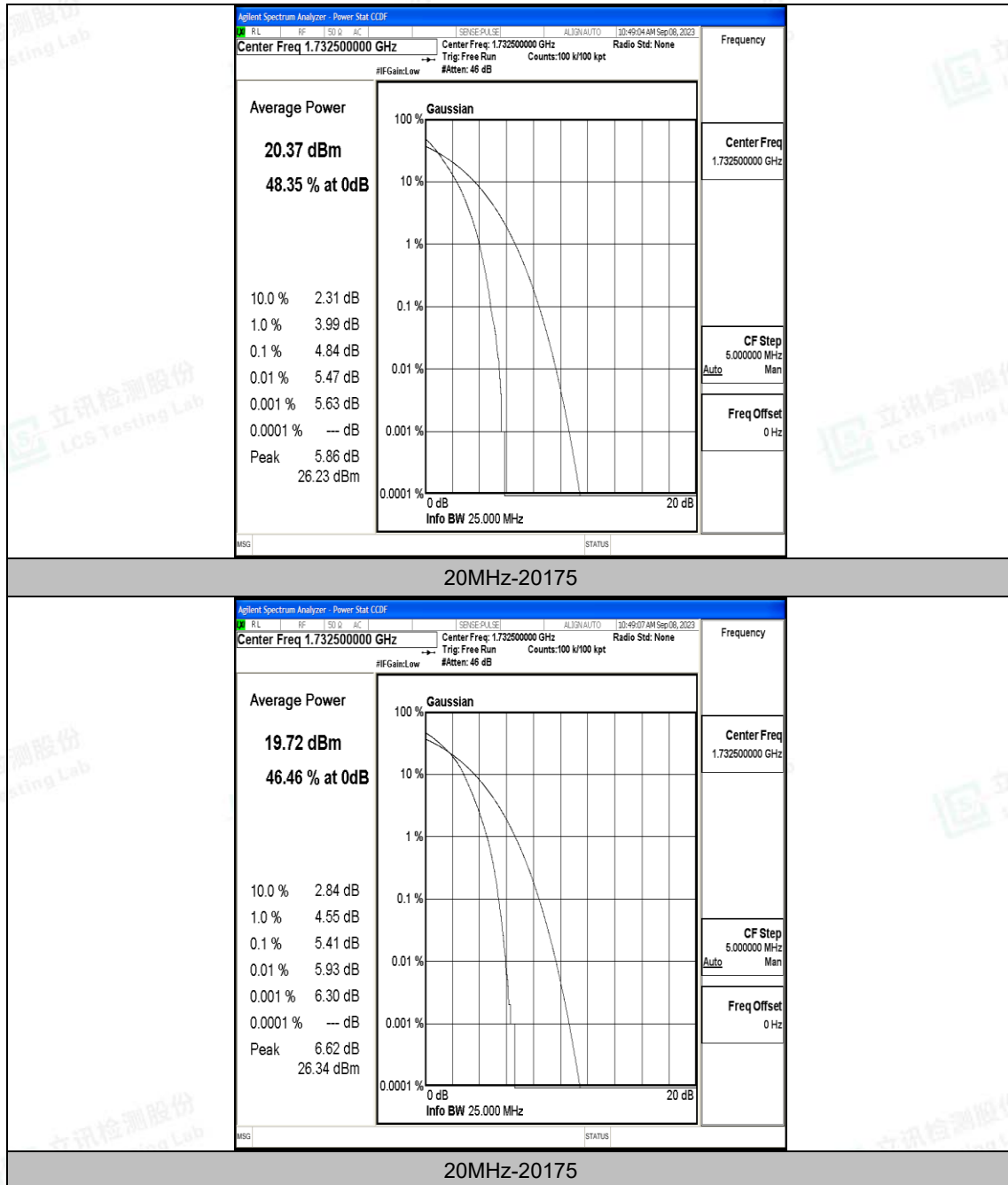
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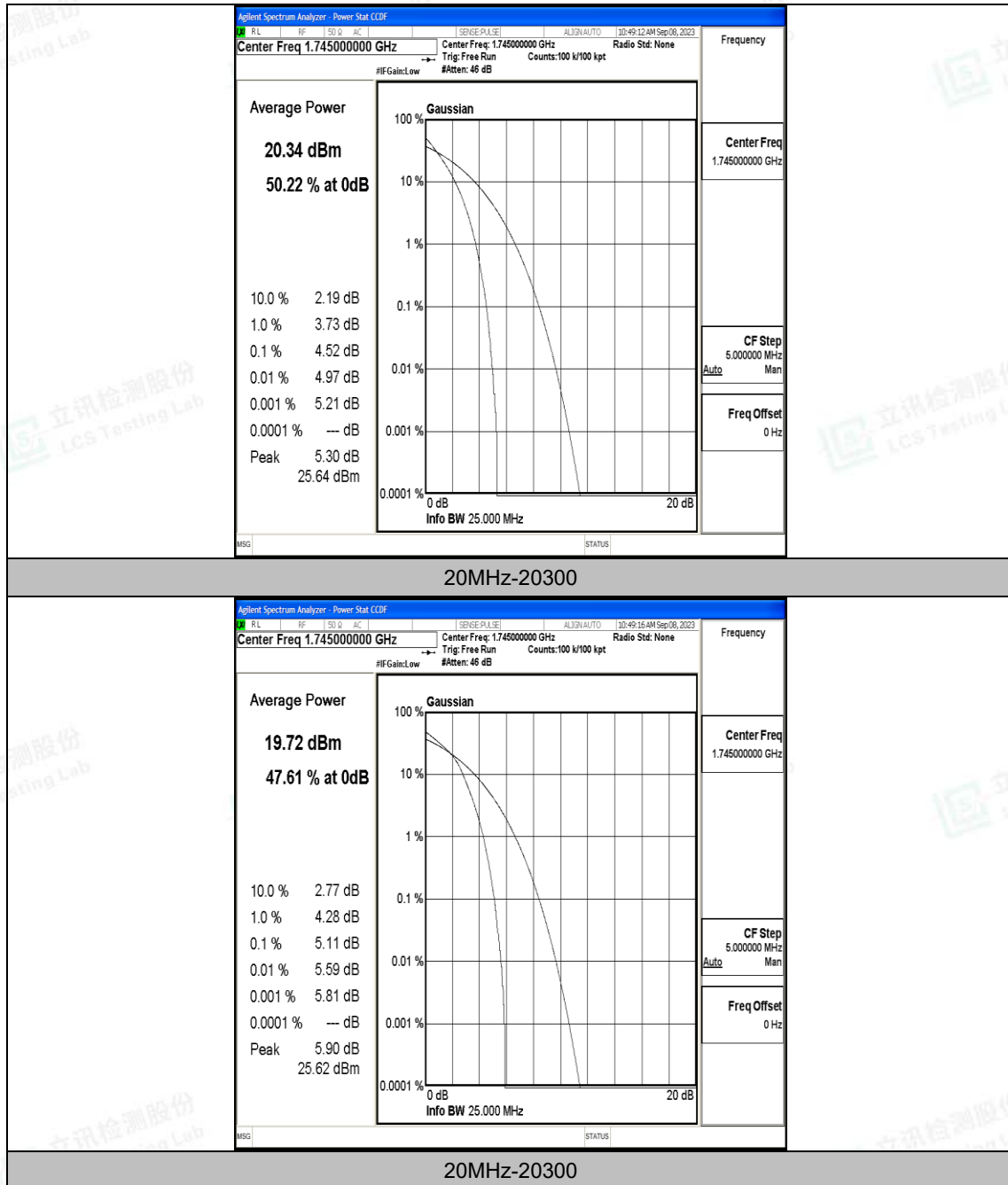


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G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.1046	1.379	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1085	1.373	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1036	1.423	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1120	1.373	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1019	1.439	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1065	1.381	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7129	3.163	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7263	3.147	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7068	3.141	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7089	3.097	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7069	3.057	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7010	3.075	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5319	5.414	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5288	5.333	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5398	5.363	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5176	5.284	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5220	5.377	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5320	5.295	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0119	10.02	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9954	10.33	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0067	10.18	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0125	10.04	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9897	10.41	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0275	10.84	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.519	15.45	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.528	15.20	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.556	15.24	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.501	14.98	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.518	15.66	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.533	14.89	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.027	20.07	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.085	20.07	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.007	20.14	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.014	20.05	PASS



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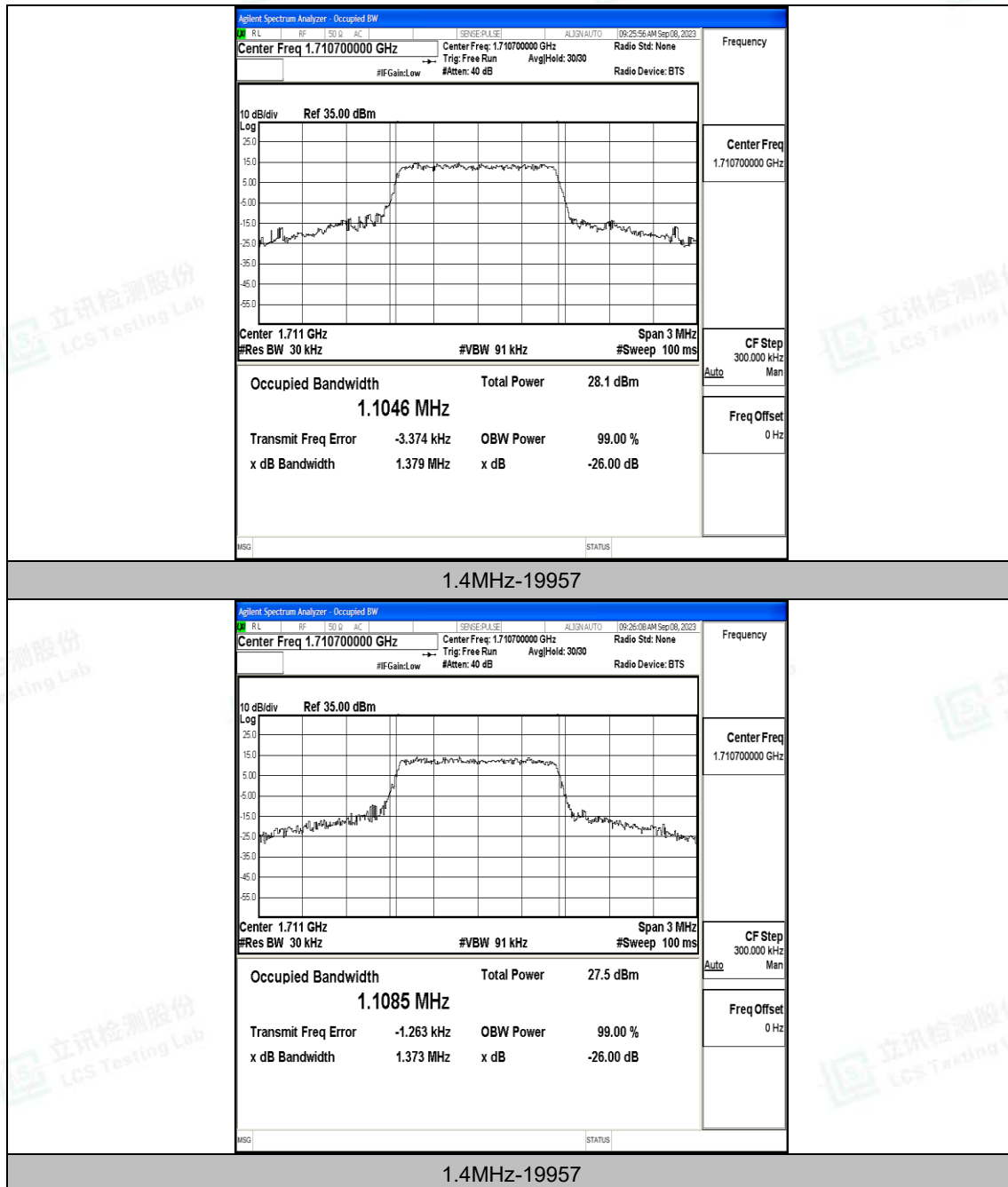


Band4	20MHz	QPSK	20300	100RB#0	18.051	20.30	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.023	20.35	PASS





Test Graphs

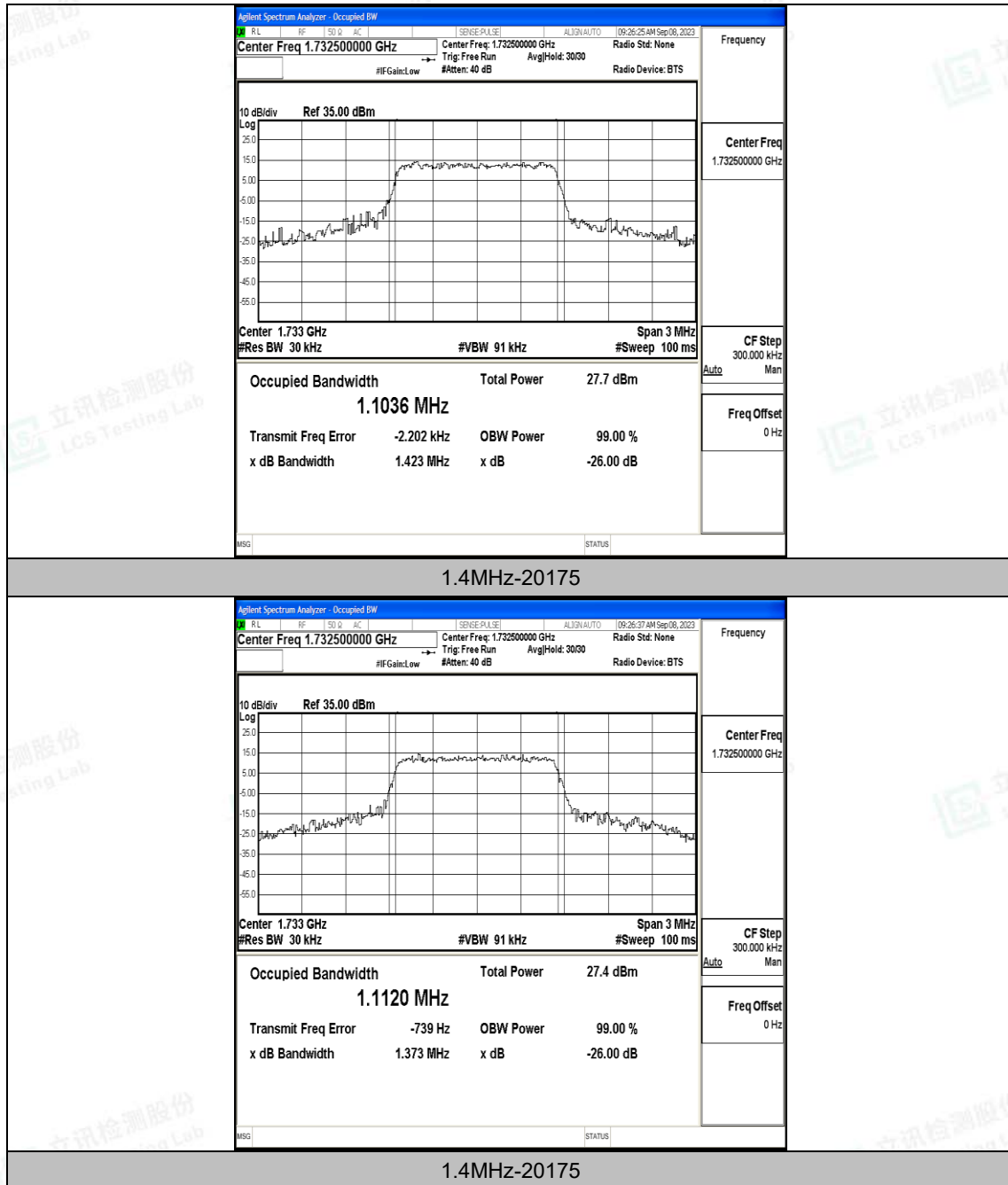


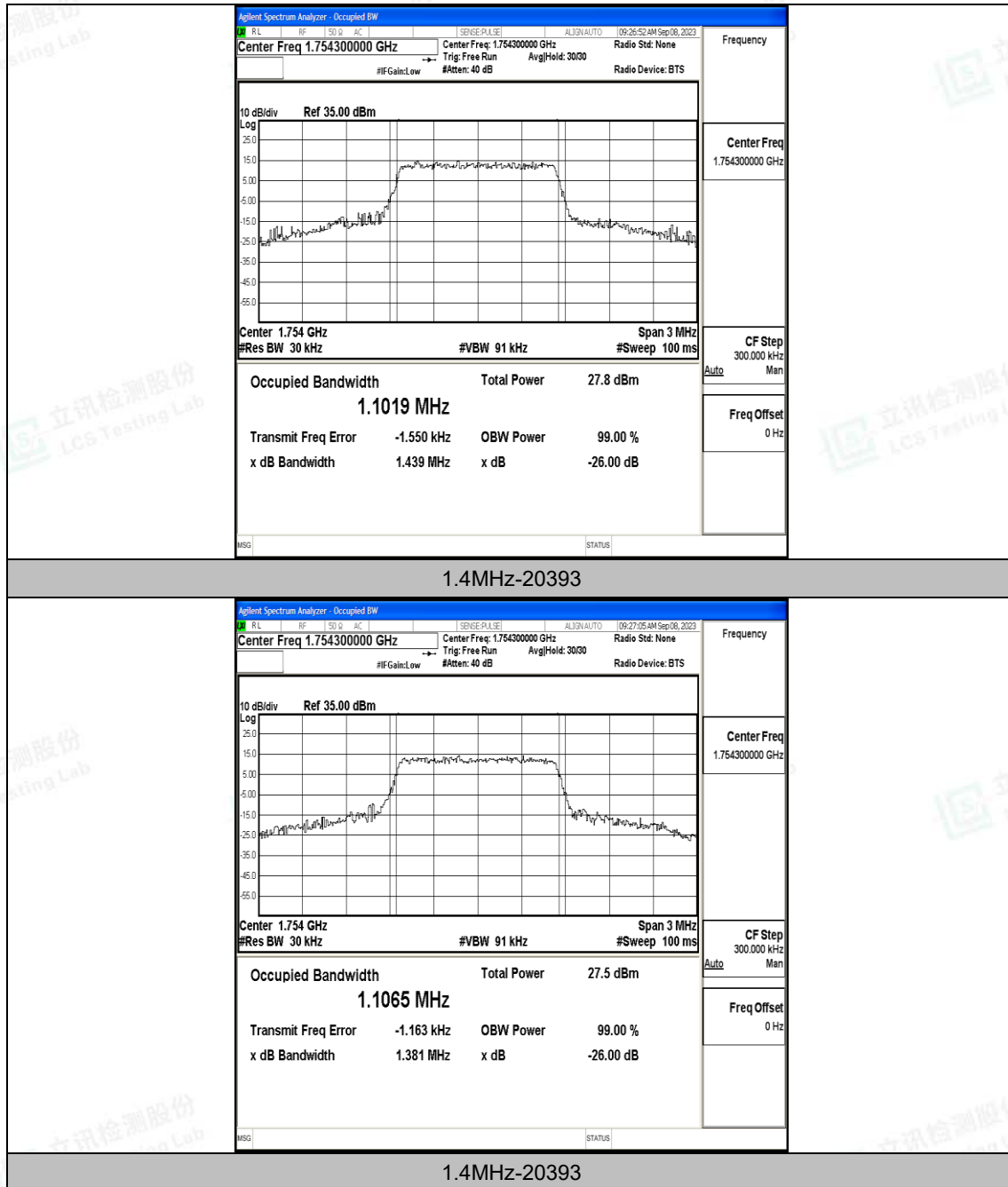
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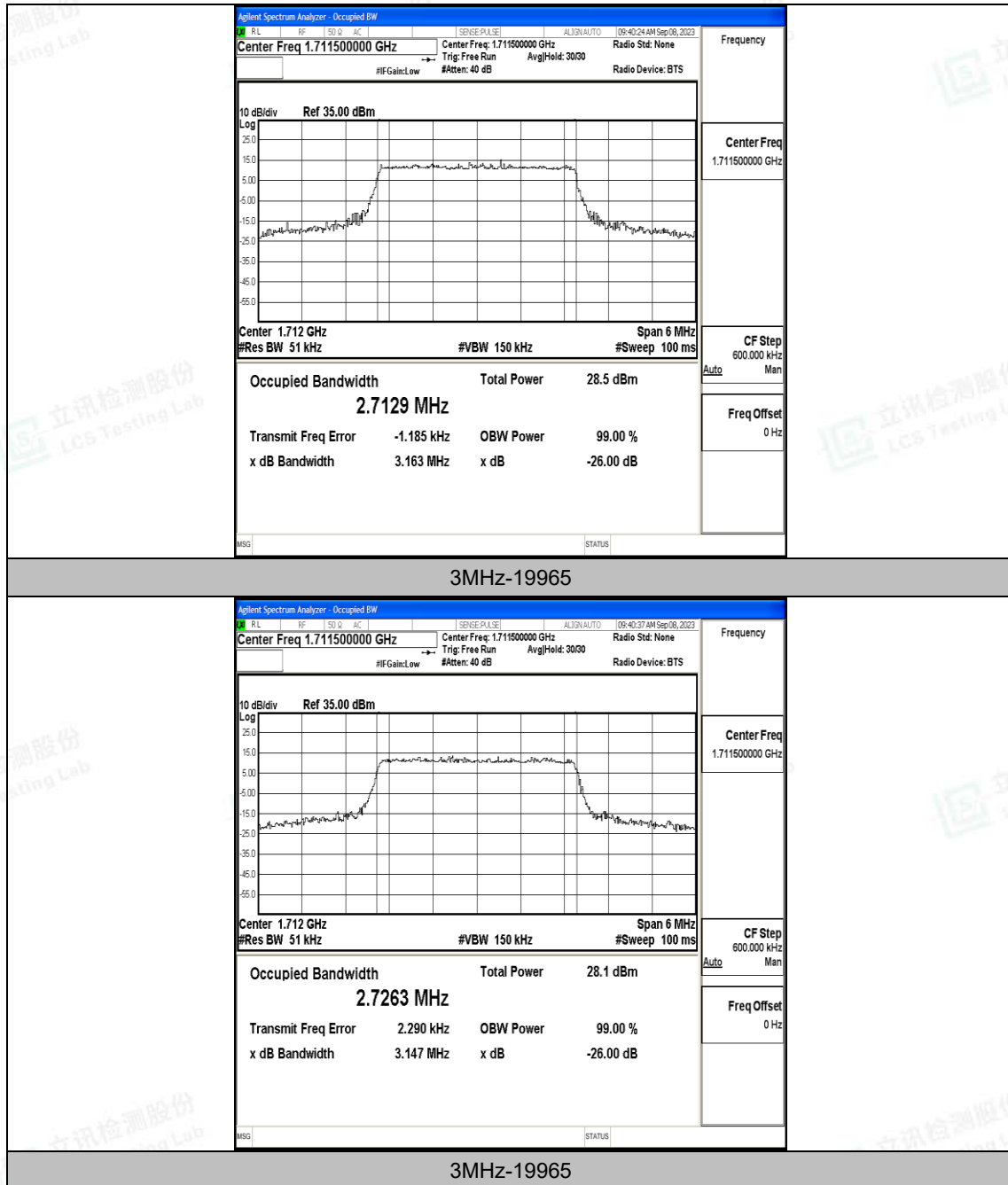


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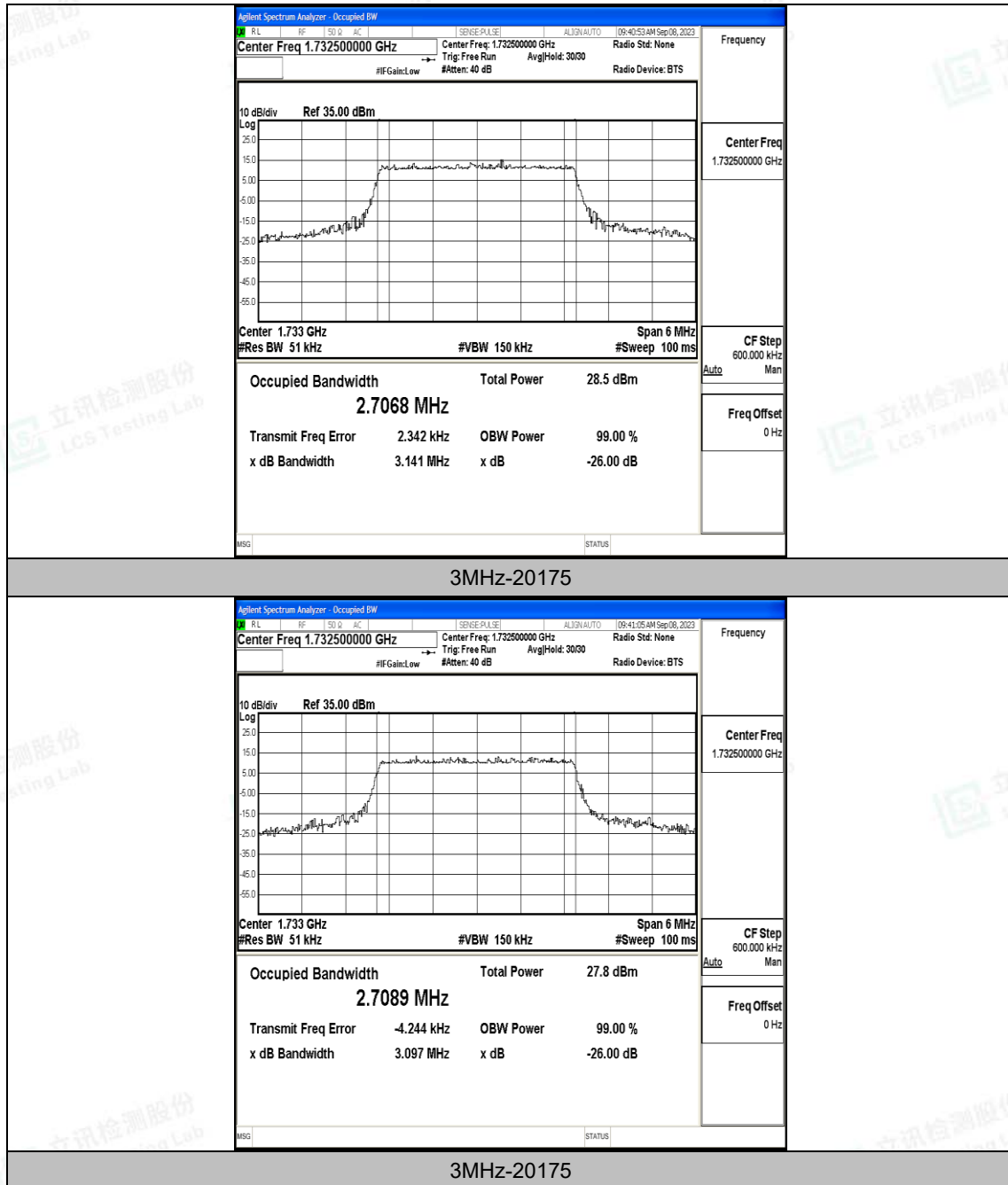


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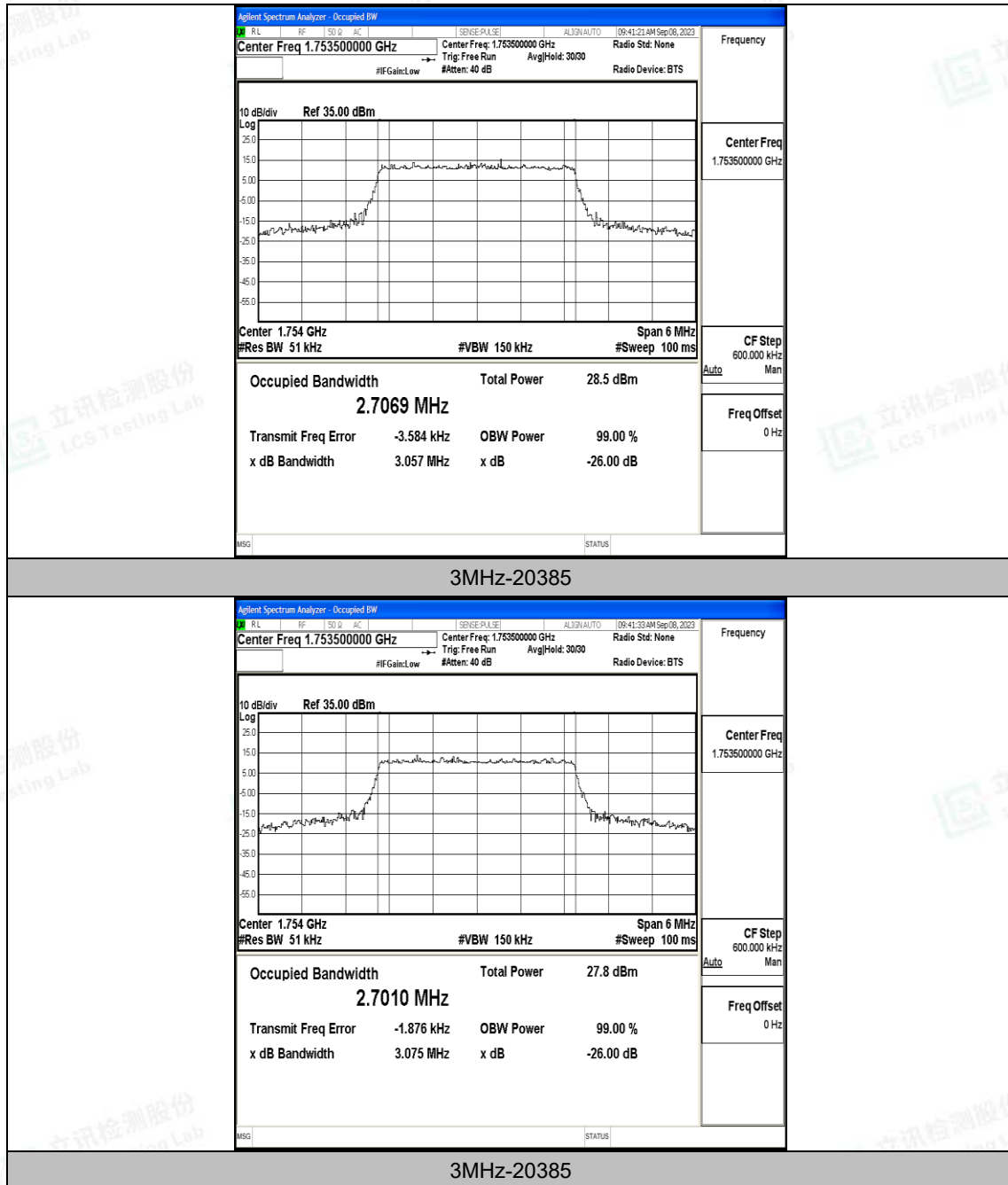


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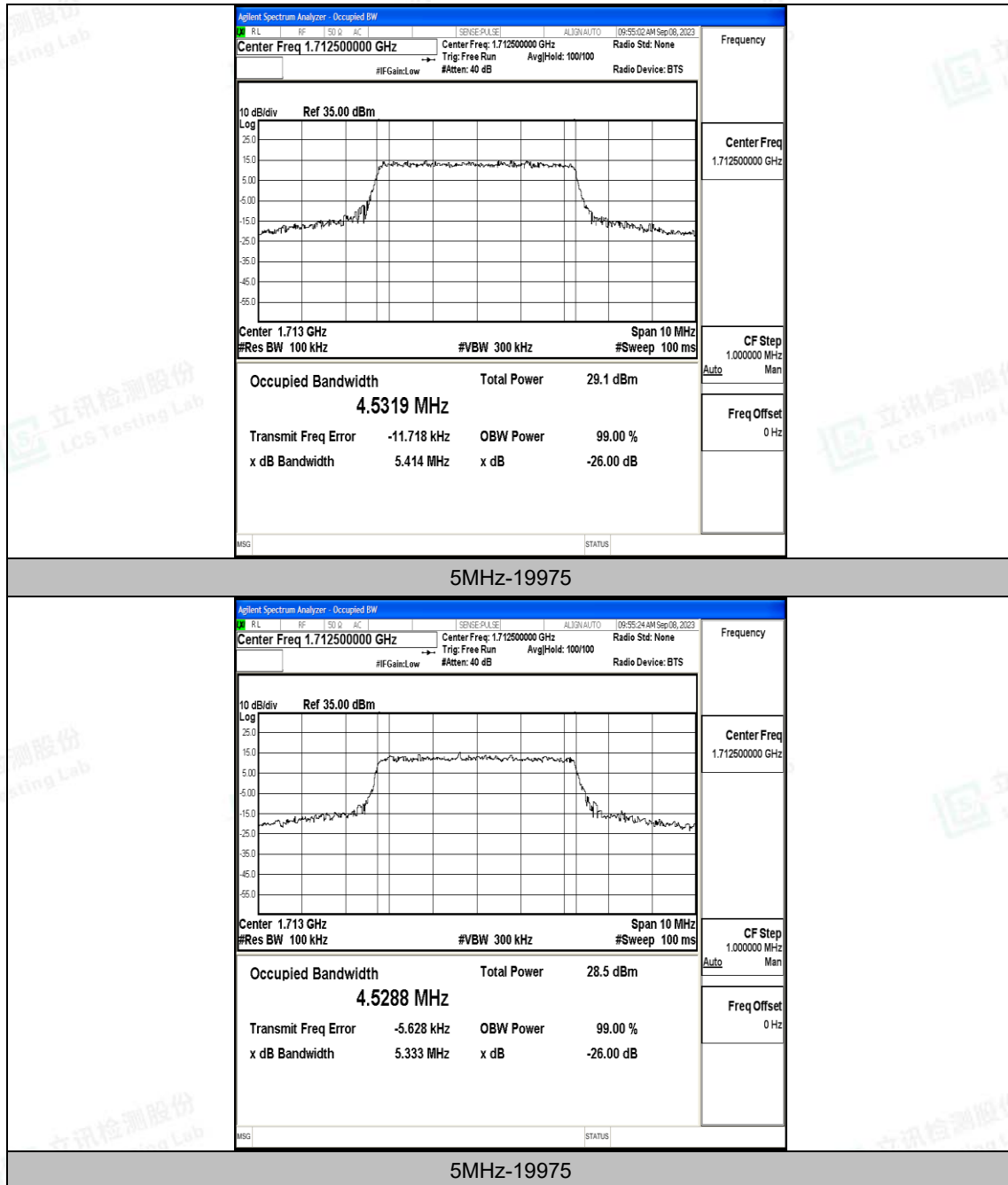


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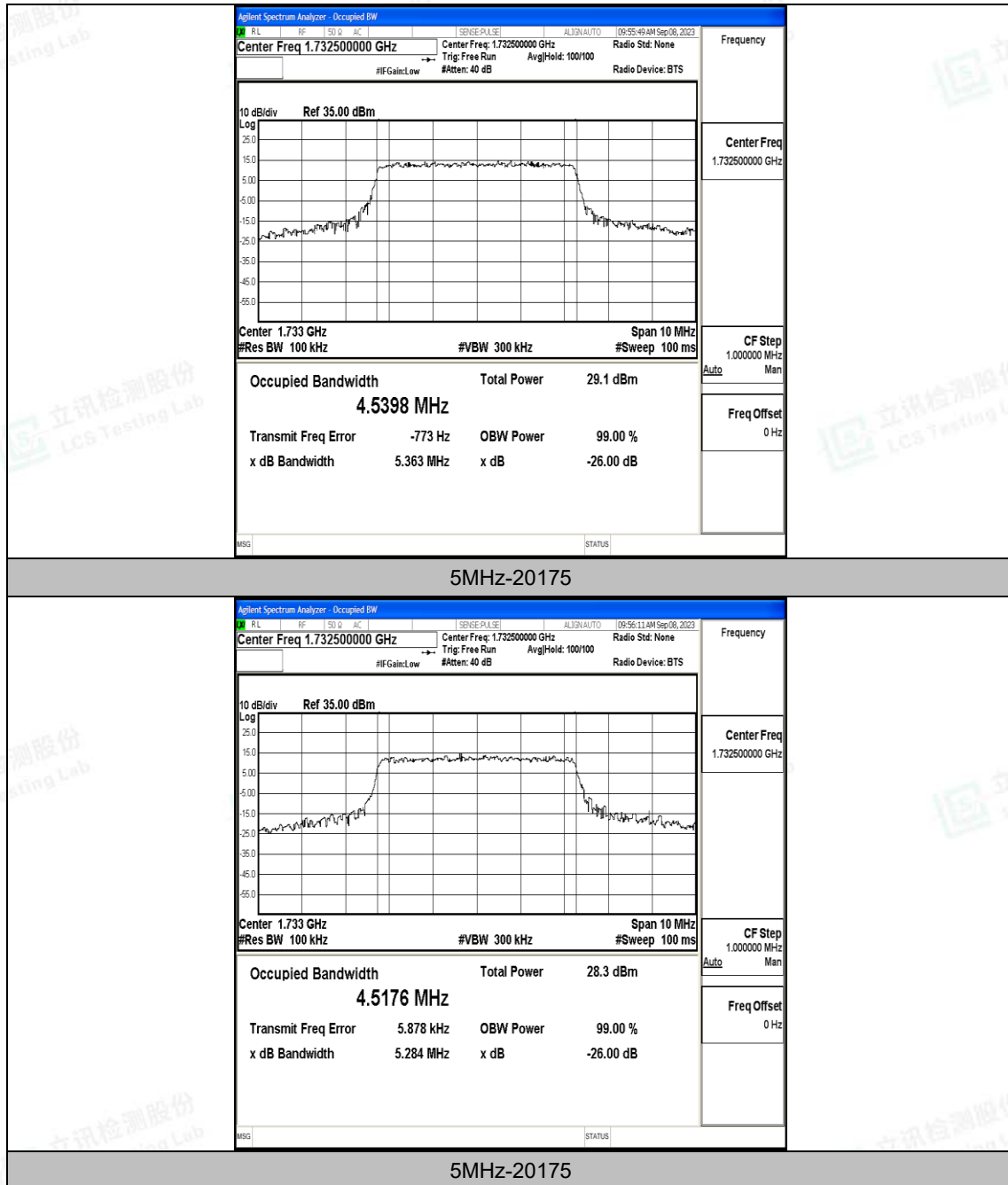


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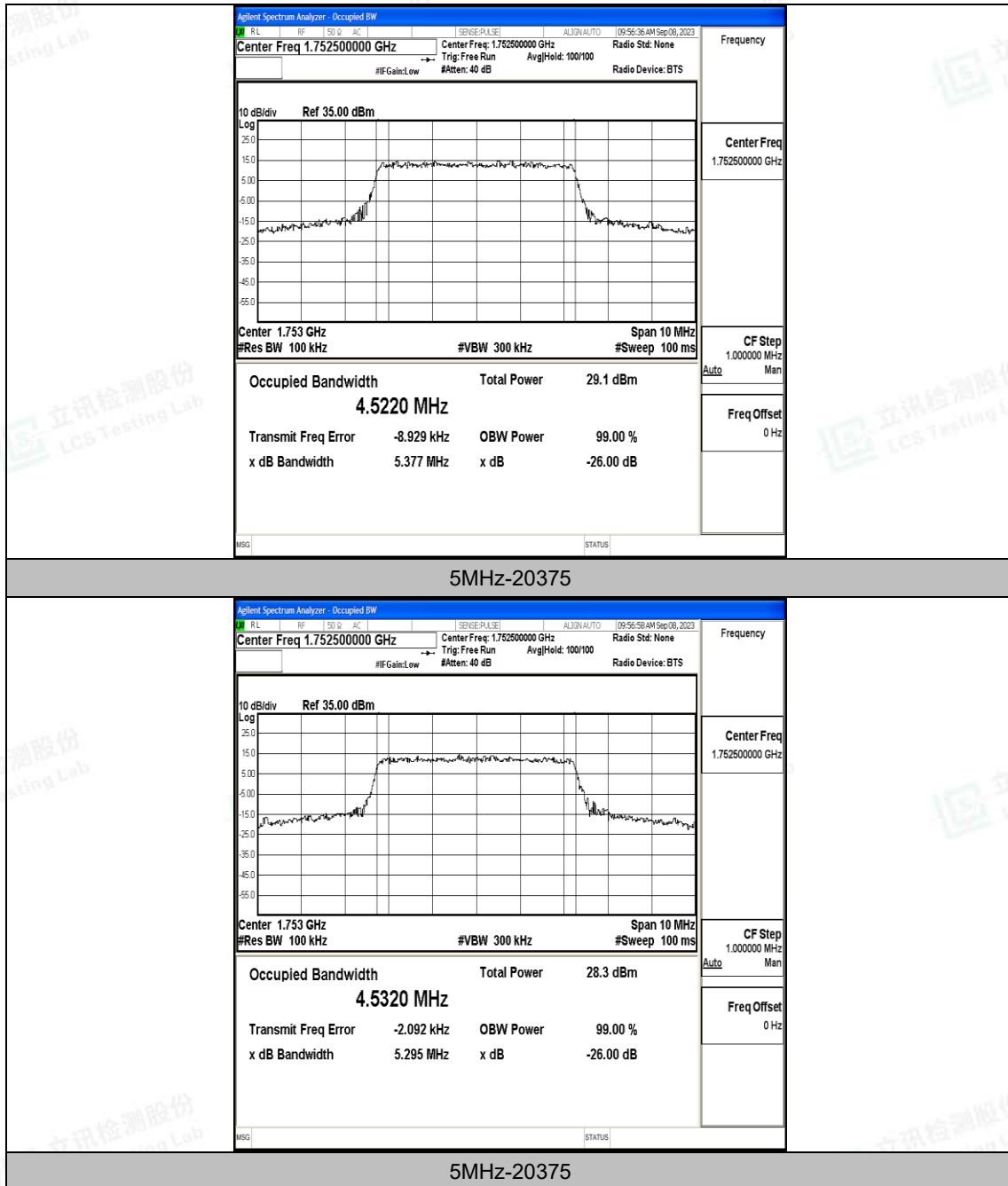


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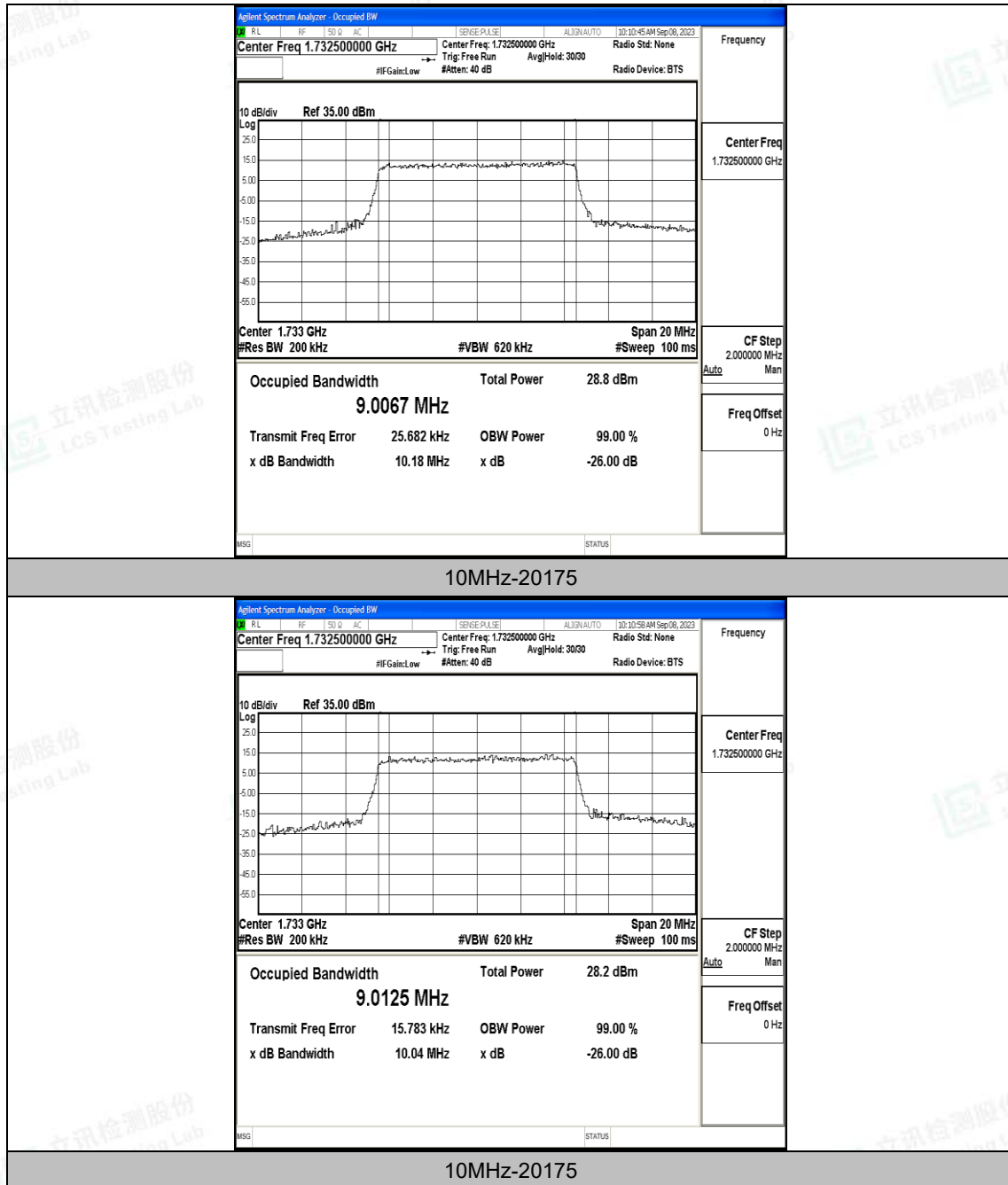
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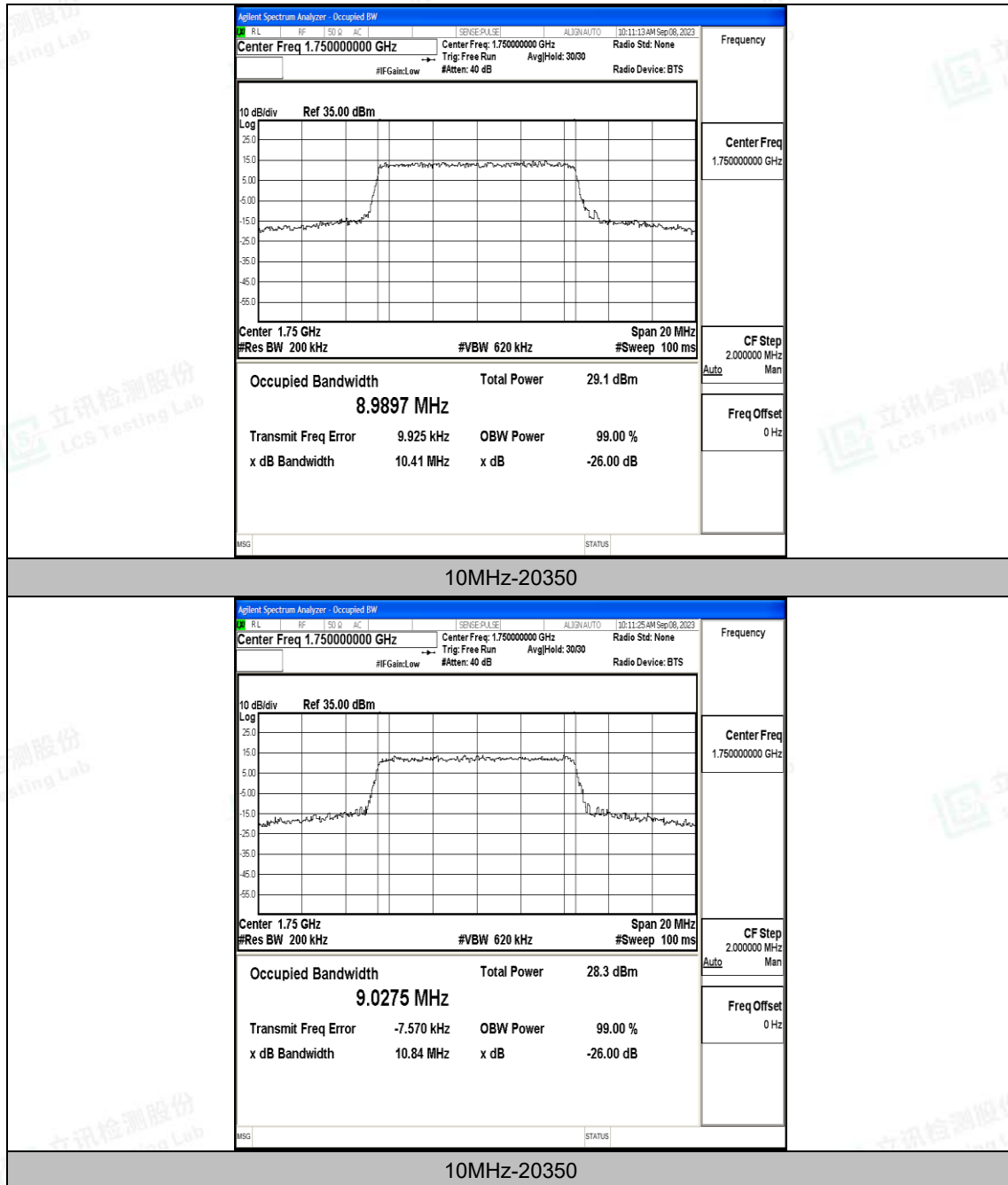


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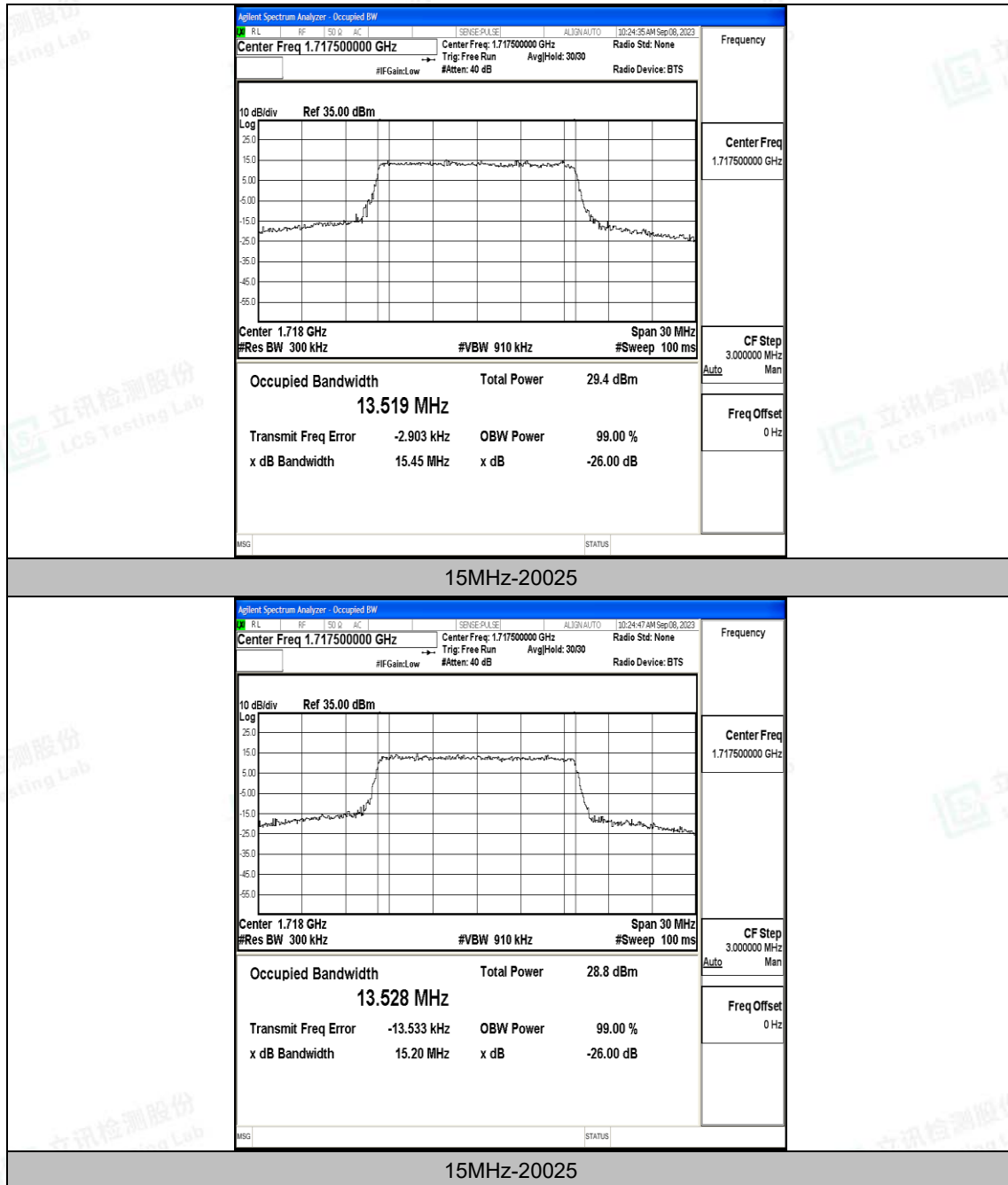


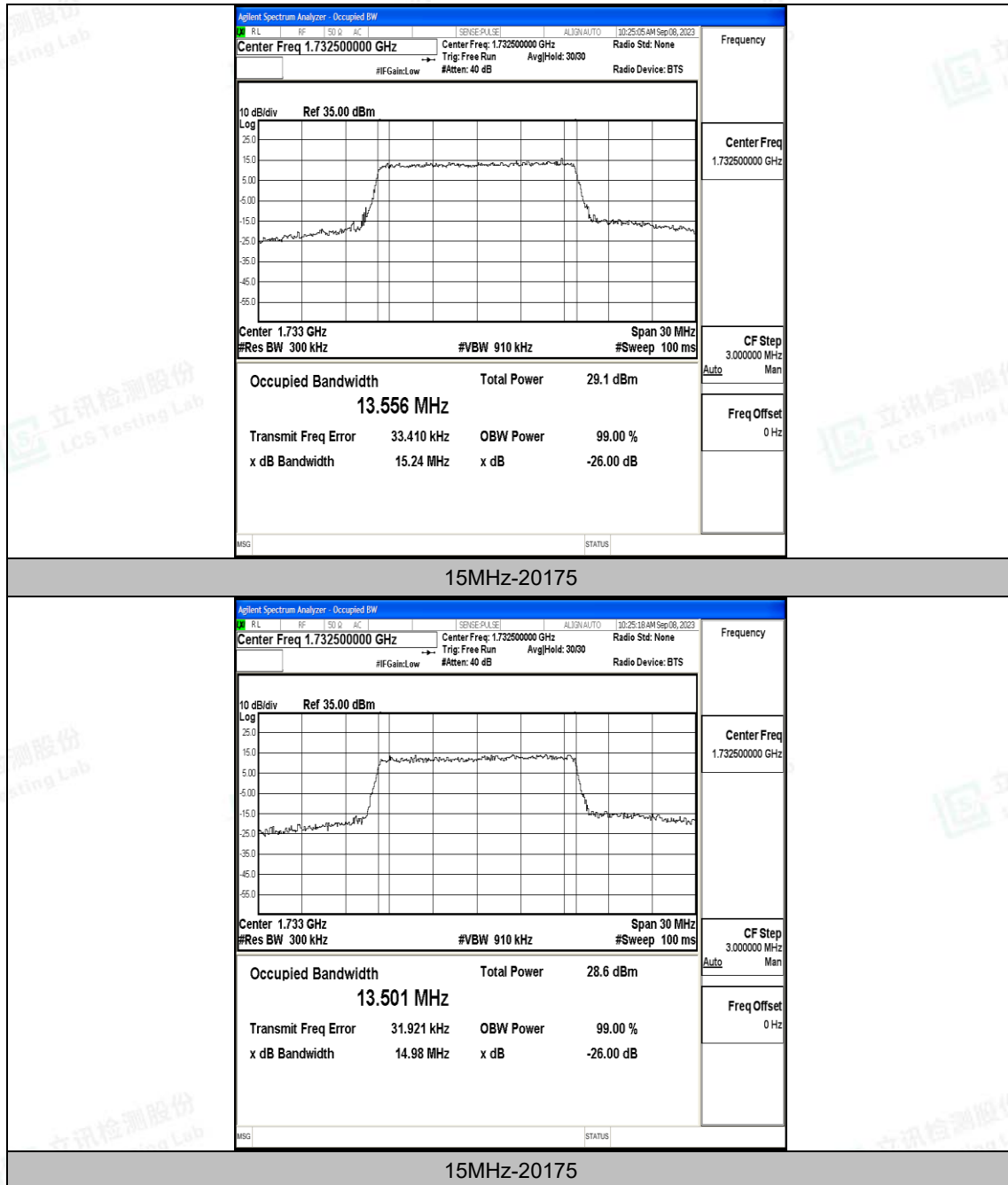
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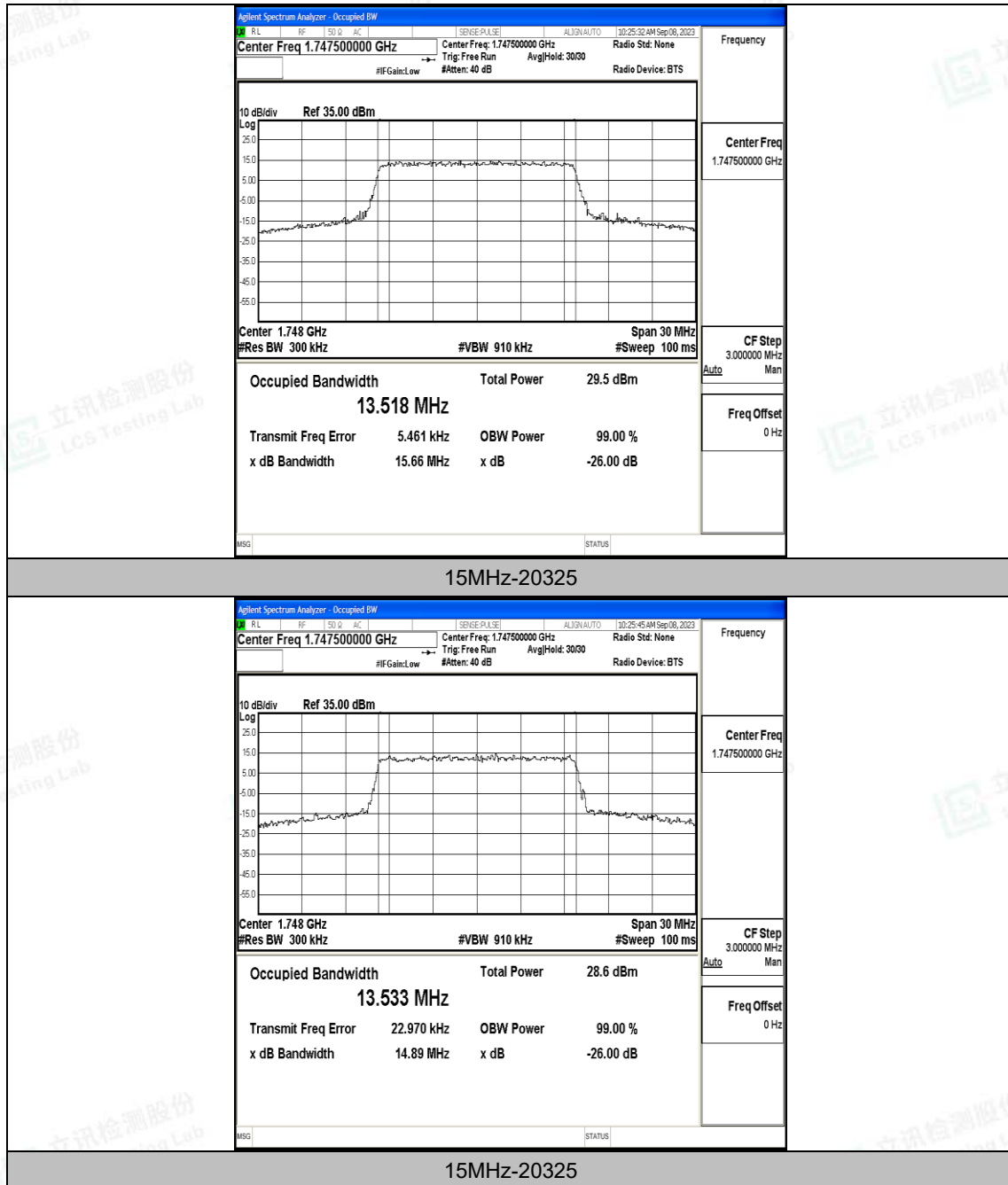


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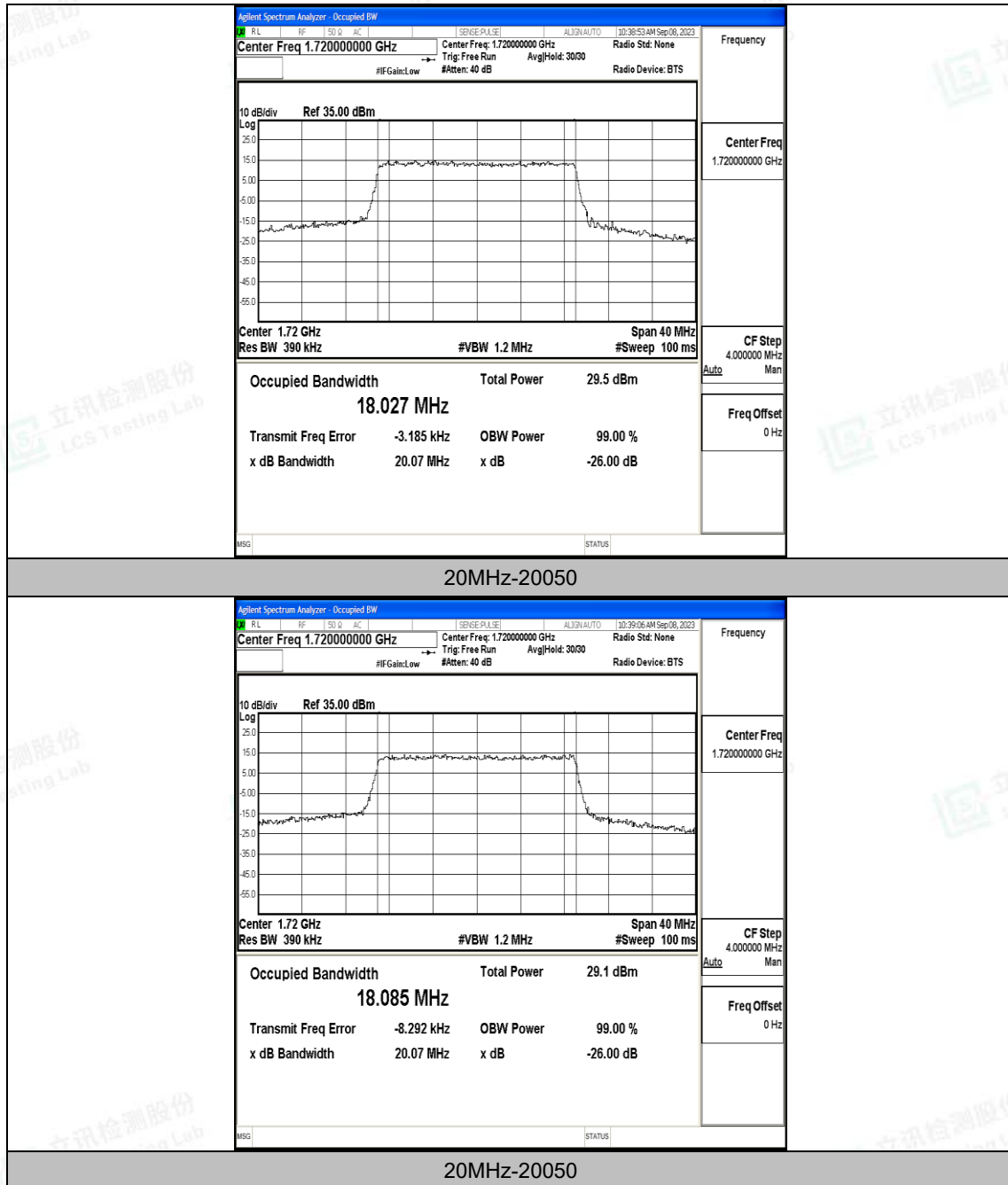


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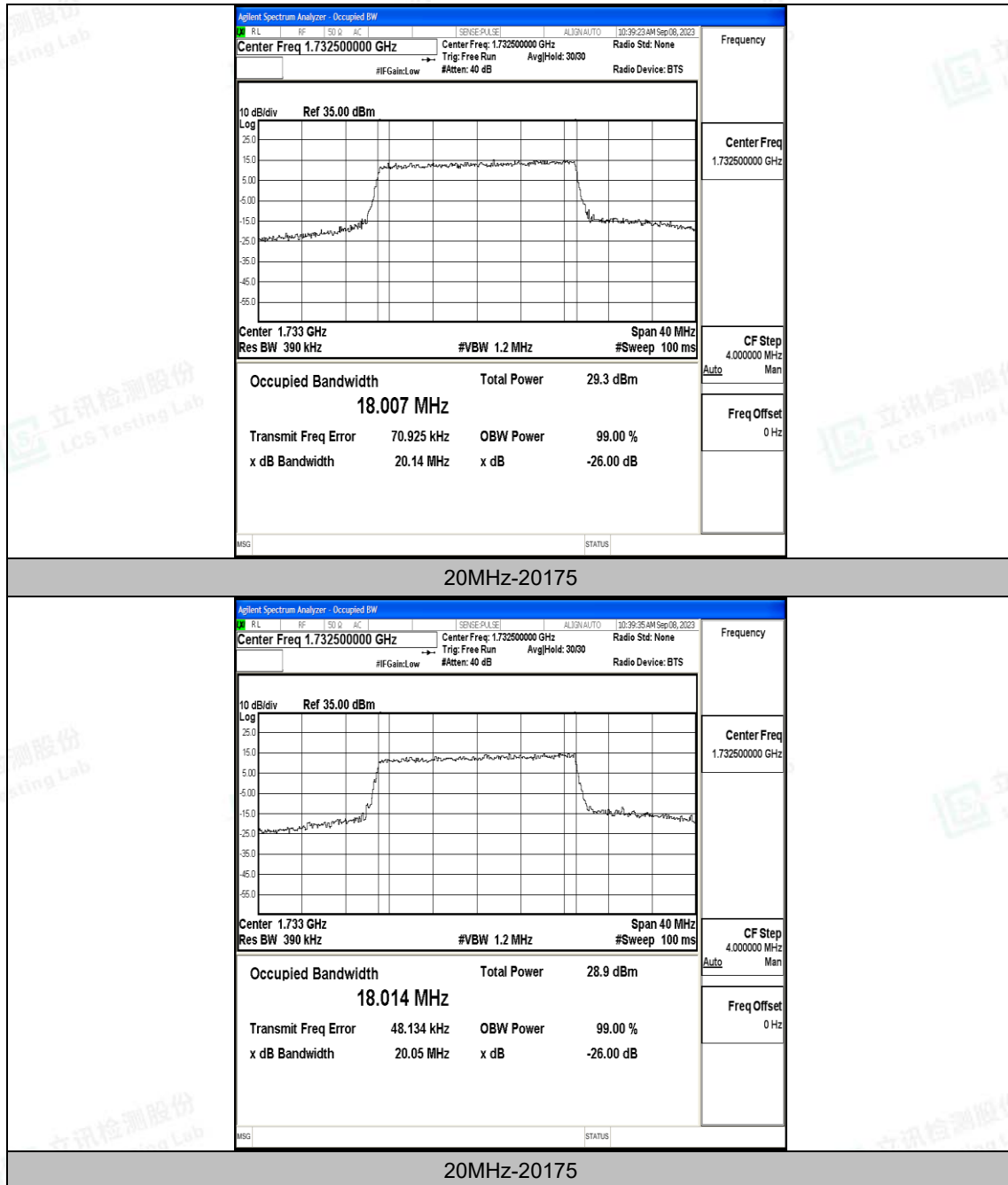


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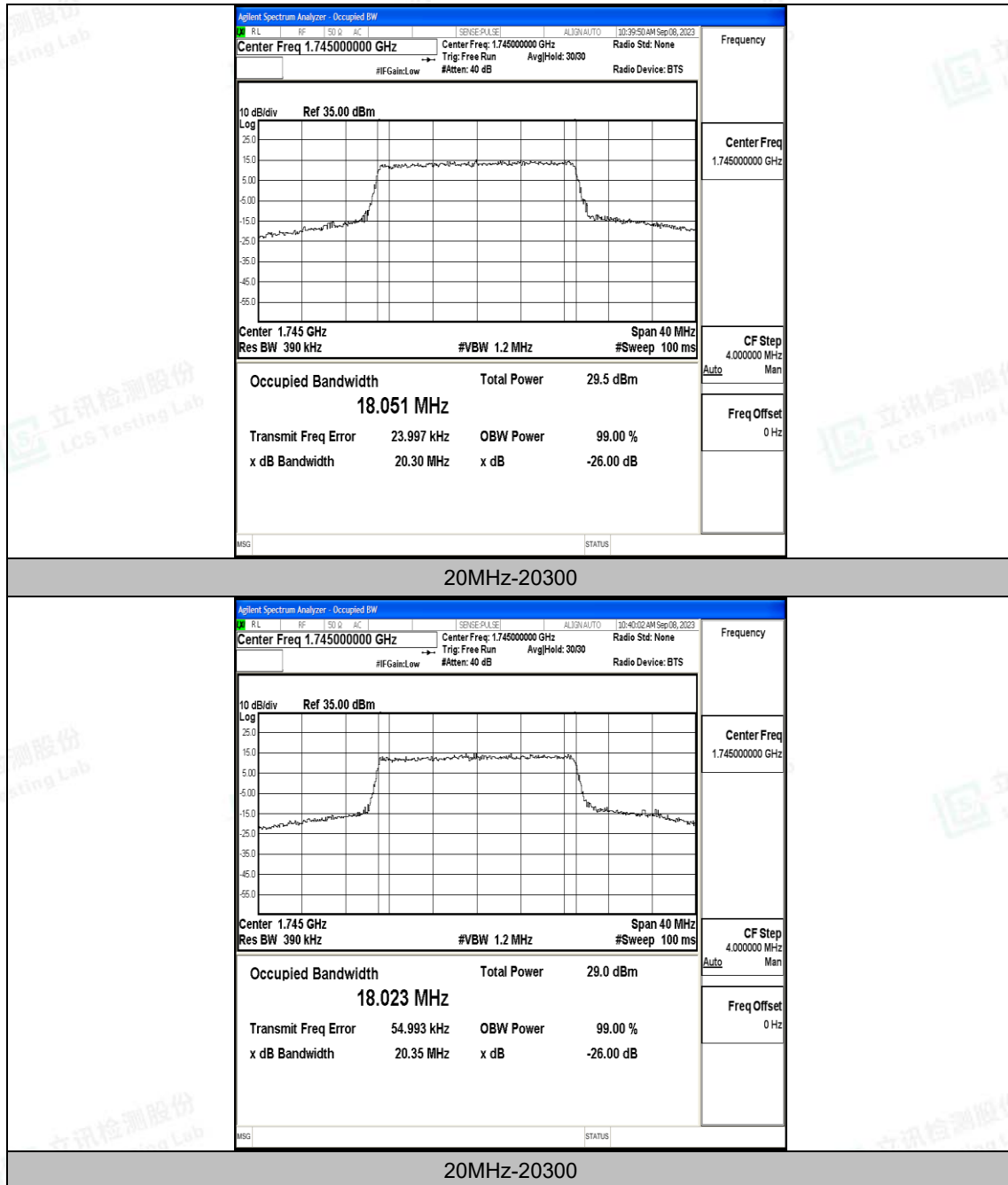


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G.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.98	-25.33	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1708.96	-43.79	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1755.01	-25.38	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1756.01	-43.91	PASS
Band4	3MHz	QPSK	19965	15RB#0	1708.93	-29.43	PASS
Band4	3MHz	16QAM	19965	15RB#0	1708.93	-30.43	PASS
Band4	3MHz	QPSK	20385	15RB#0	1756.06	-28.74	PASS
Band4	3MHz	16QAM	20385	15RB#0	1756.11	-30.74	PASS
Band4	5MHz	QPSK	19975	25RB#0	1708.96	-28.80	PASS
Band4	5MHz	16QAM	19975	25RB#0	1708.85	-29.59	PASS
Band4	5MHz	QPSK	20375	25RB#0	1756.07	-27.78	PASS
Band4	5MHz	16QAM	20375	25RB#0	1756.07	-29.30	PASS
Band4	10MHz	QPSK	20000	50RB#0	1708.73	-28.83	PASS
Band4	10MHz	16QAM	20000	50RB#0	1708.94	-29.53	PASS
Band4	10MHz	QPSK	20350	50RB#0	1756.18	-26.97	PASS
Band4	10MHz	16QAM	20350	50RB#0	1756.14	-28.16	PASS
Band4	15MHz	QPSK	20025	75RB#0	1708.87	-27.37	PASS
Band4	15MHz	16QAM	20025	75RB#0	1708.87	-28.98	PASS
Band4	15MHz	QPSK	20325	75RB#0	1756.18	-25.18	PASS
Band4	15MHz	16QAM	20325	75RB#0	1756.07	-26.88	PASS
Band4	20MHz	QPSK	20050	100RB#0	1708.77	-27.47	PASS
Band4	20MHz	16QAM	20050	100RB#0	1708.81	-28.75	PASS
Band4	20MHz	QPSK	20300	100RB#0	1756.19	-26.15	PASS
Band4	20MHz	16QAM	20300	100RB#0	1756.27	-26.79	PASS



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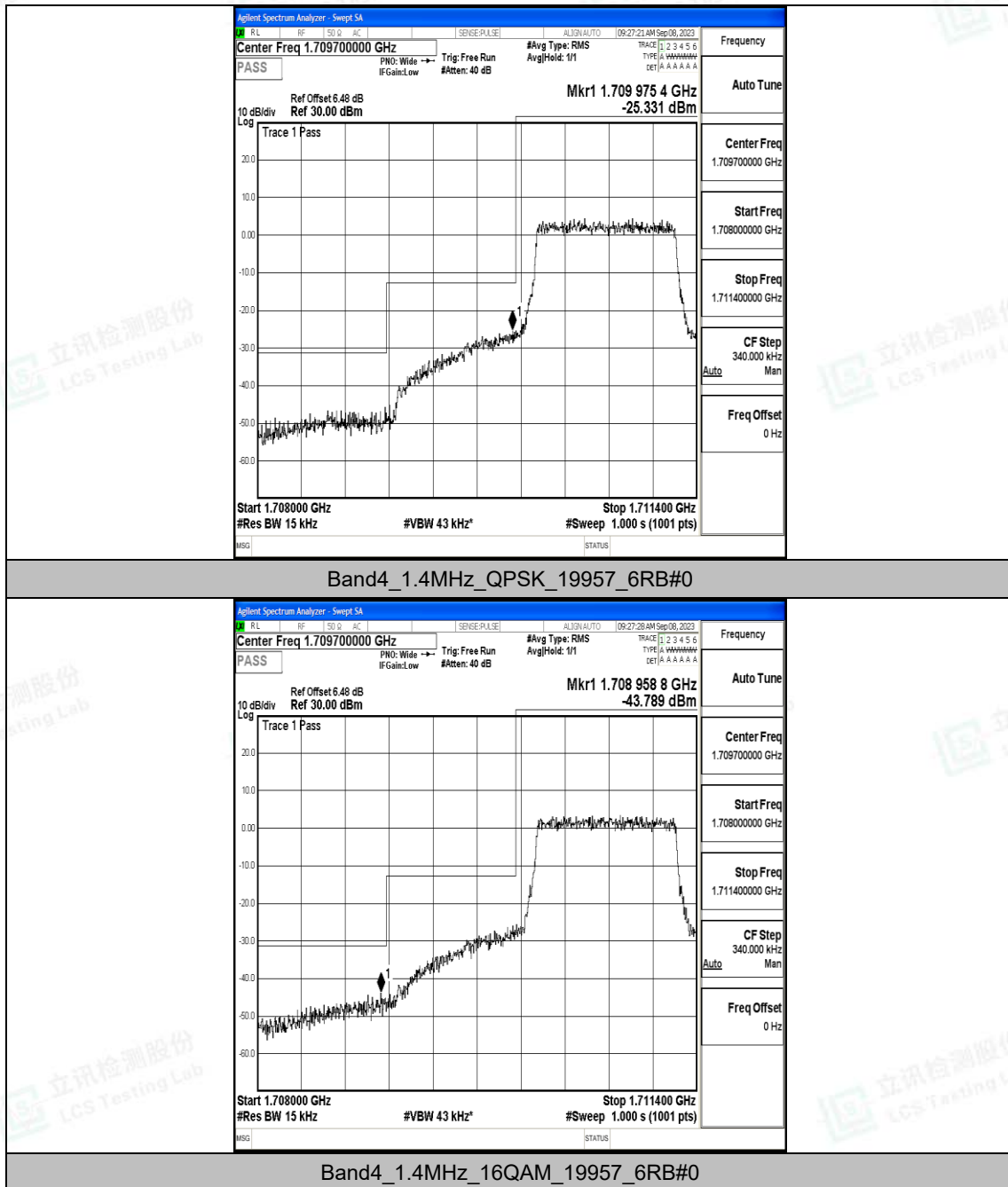
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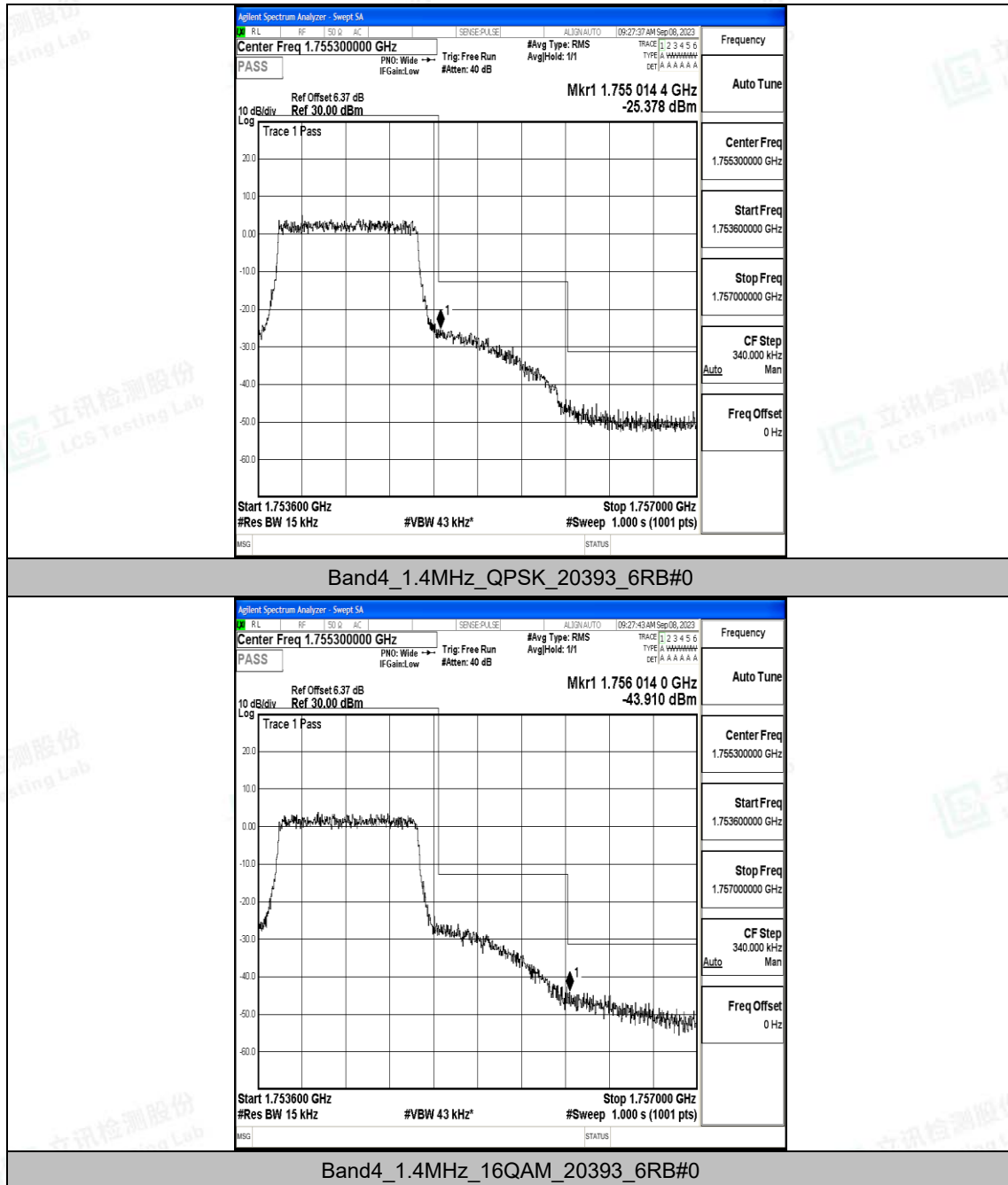
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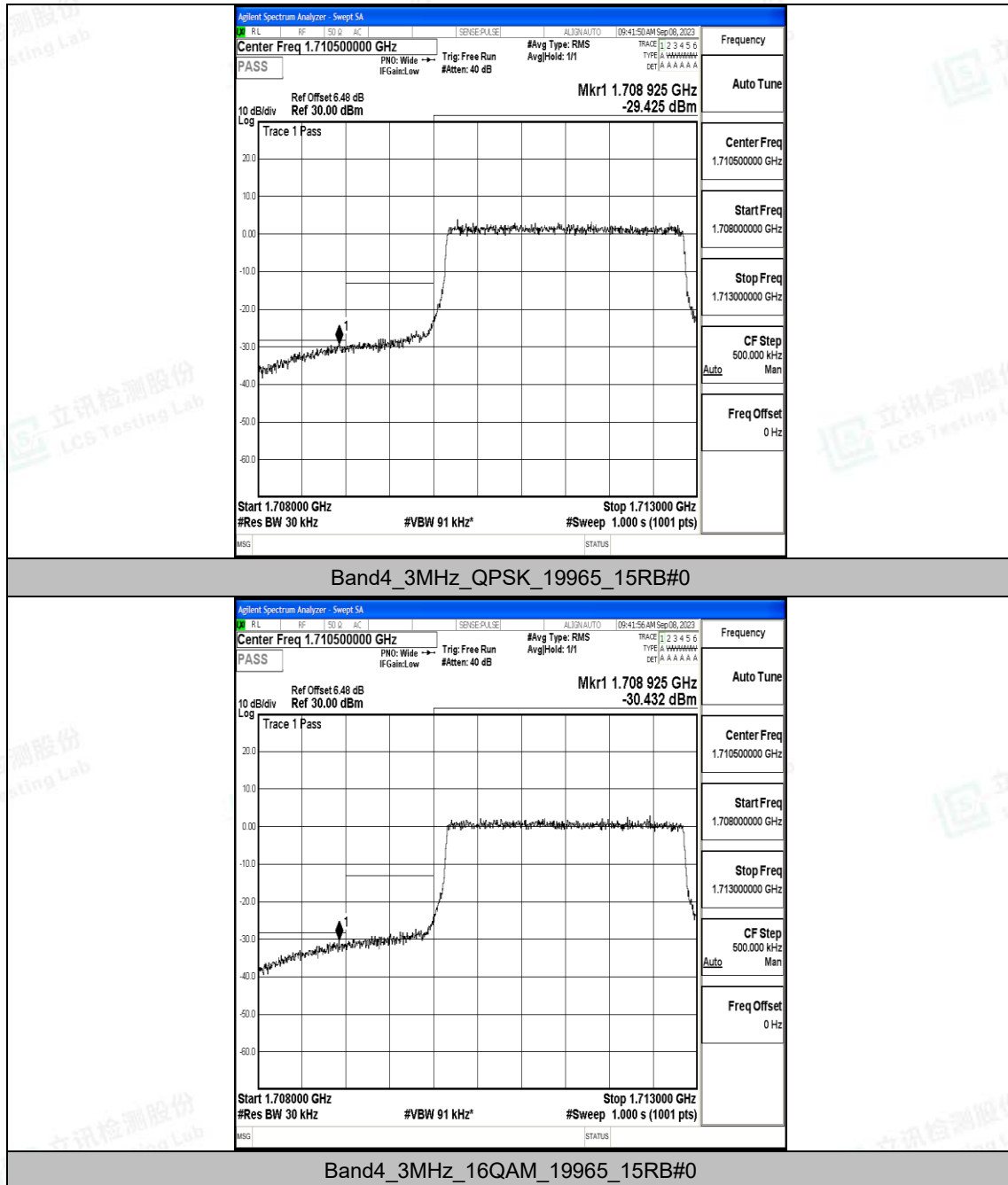
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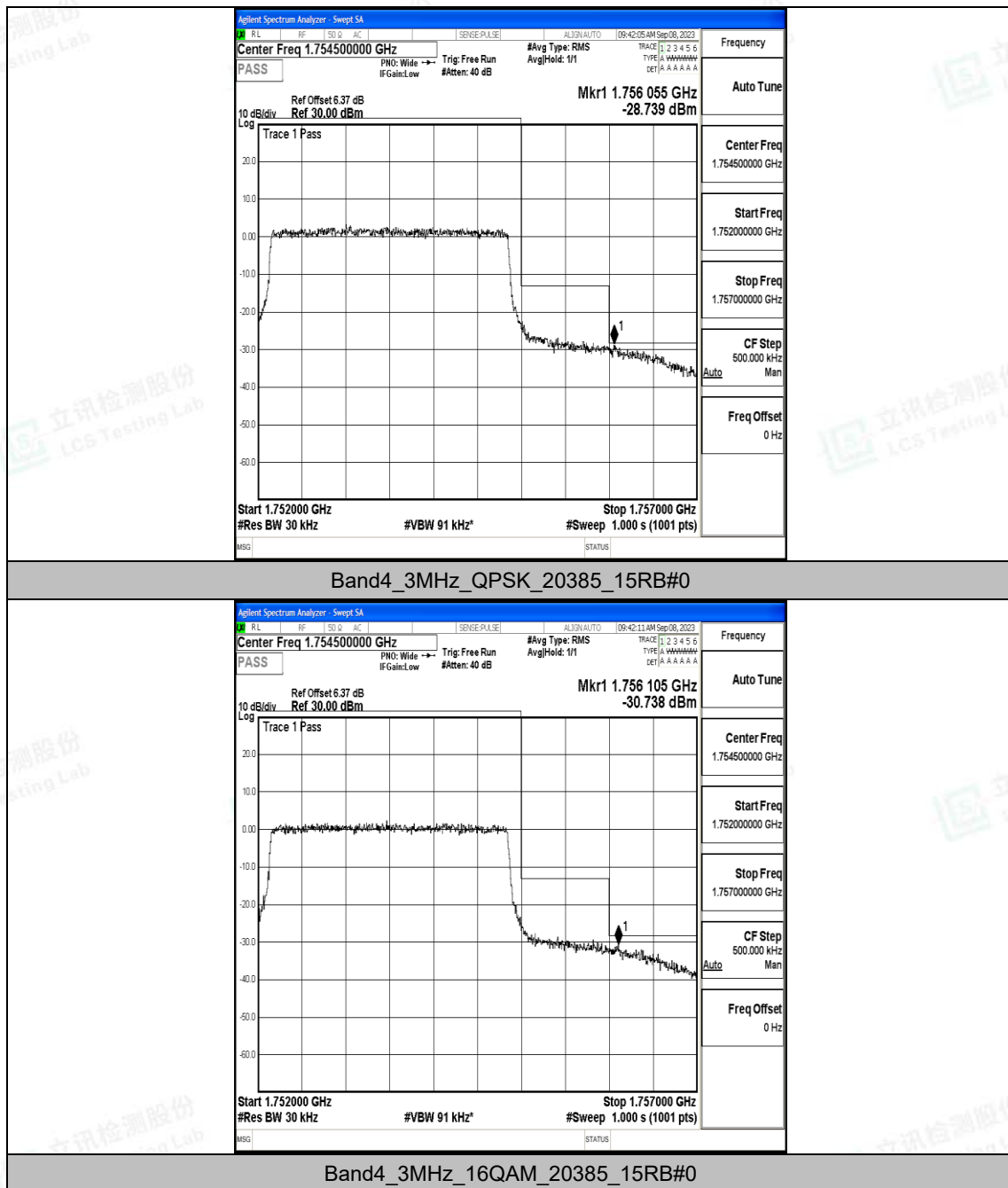


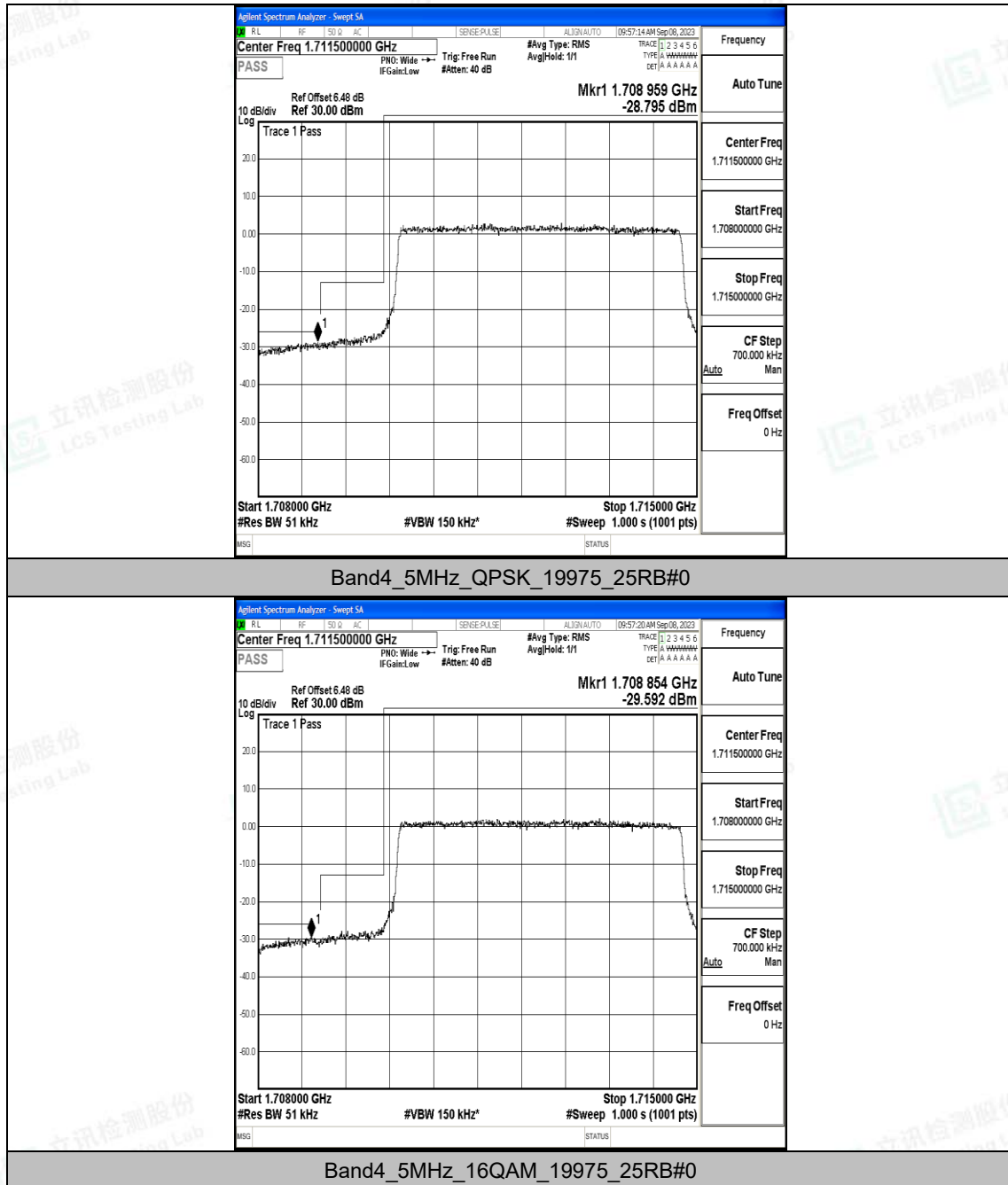
Test Graphs









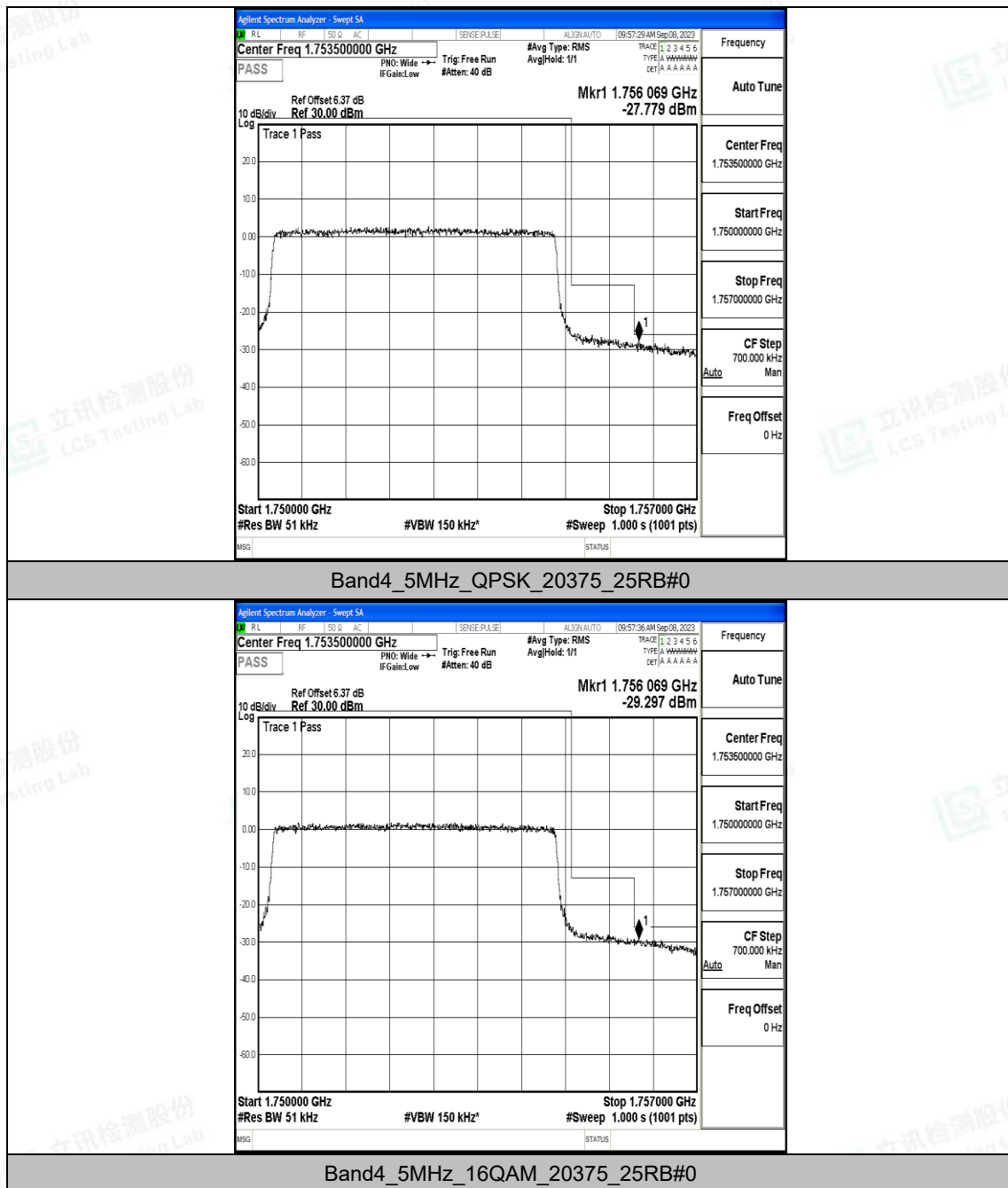


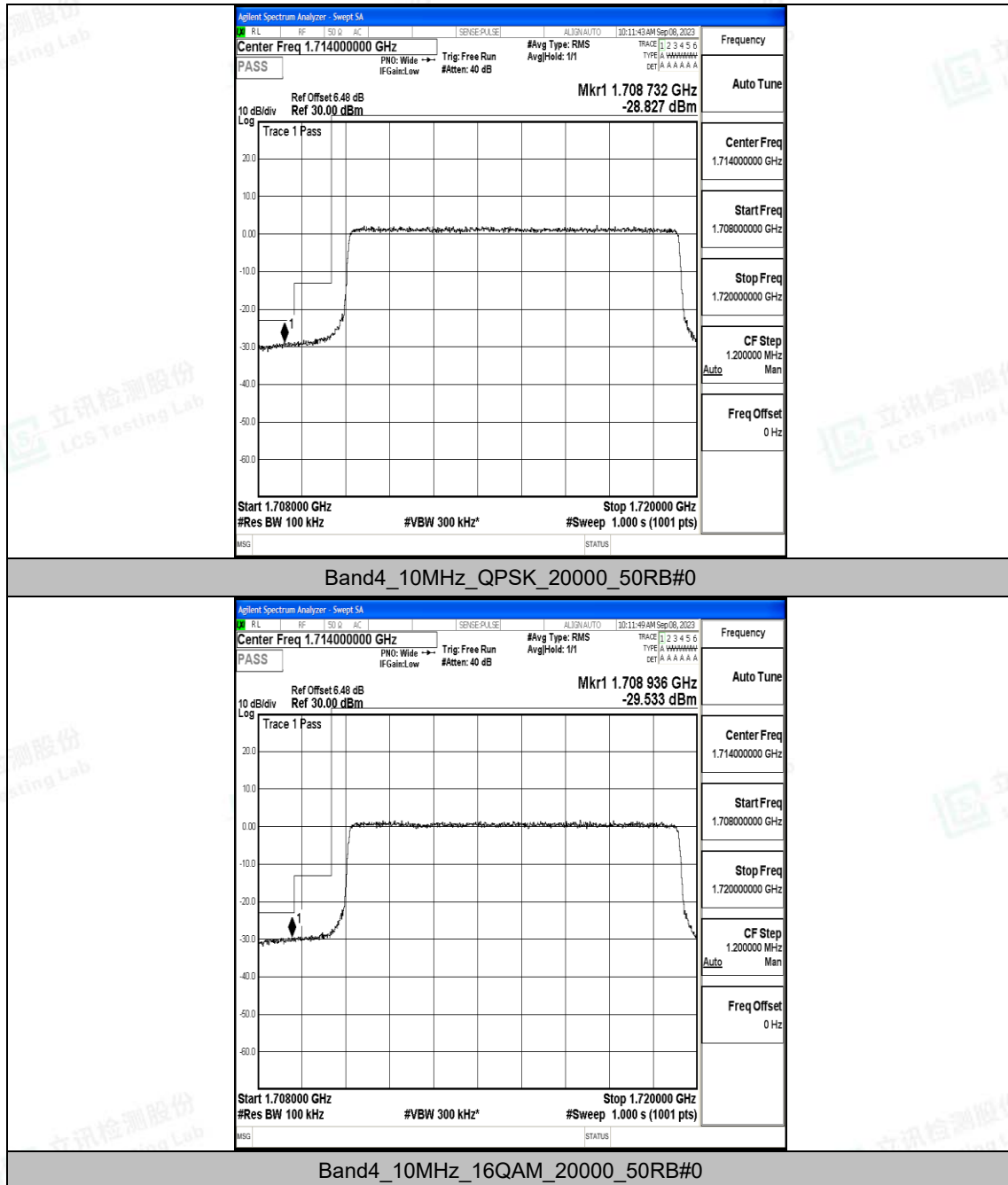
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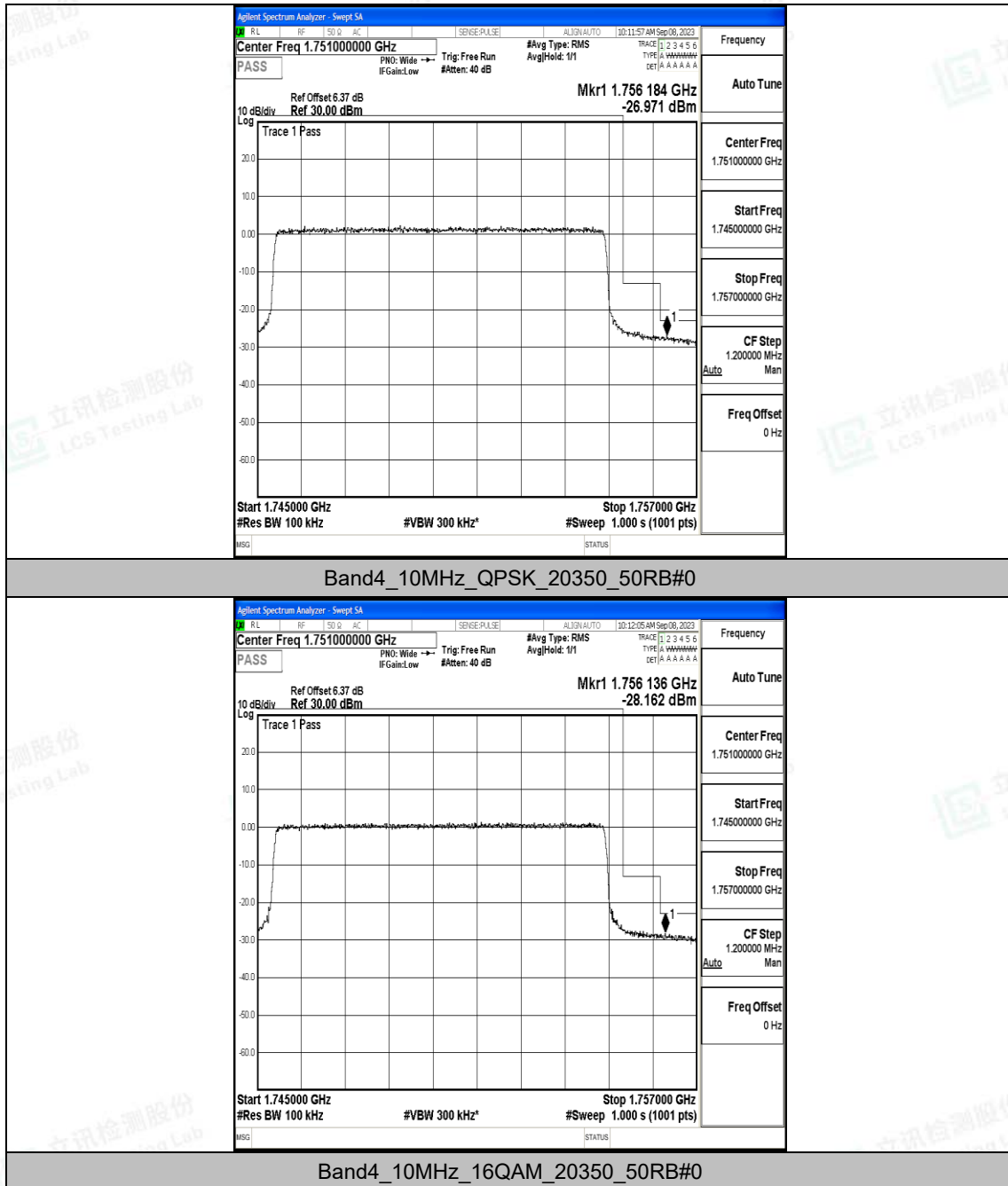
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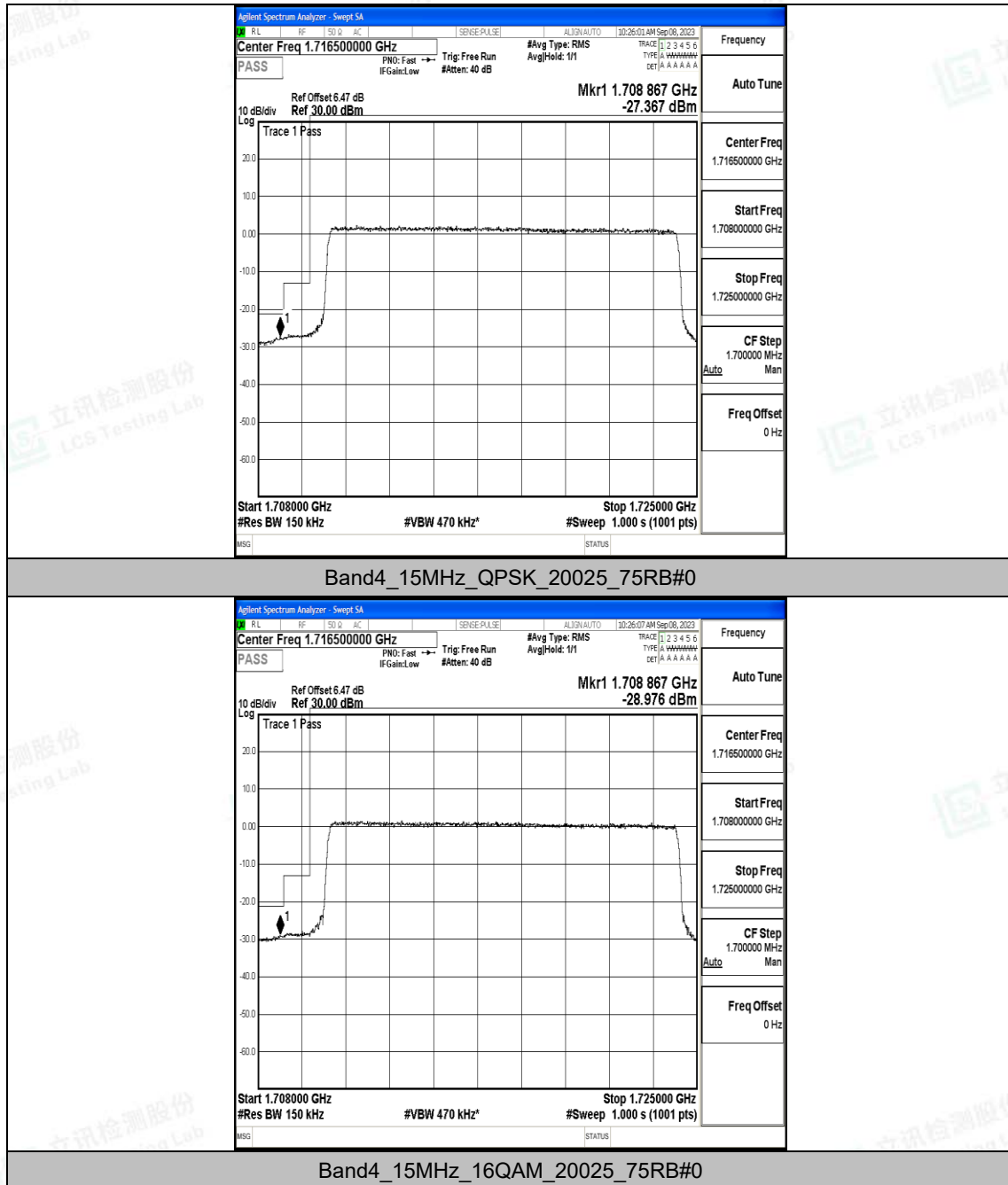
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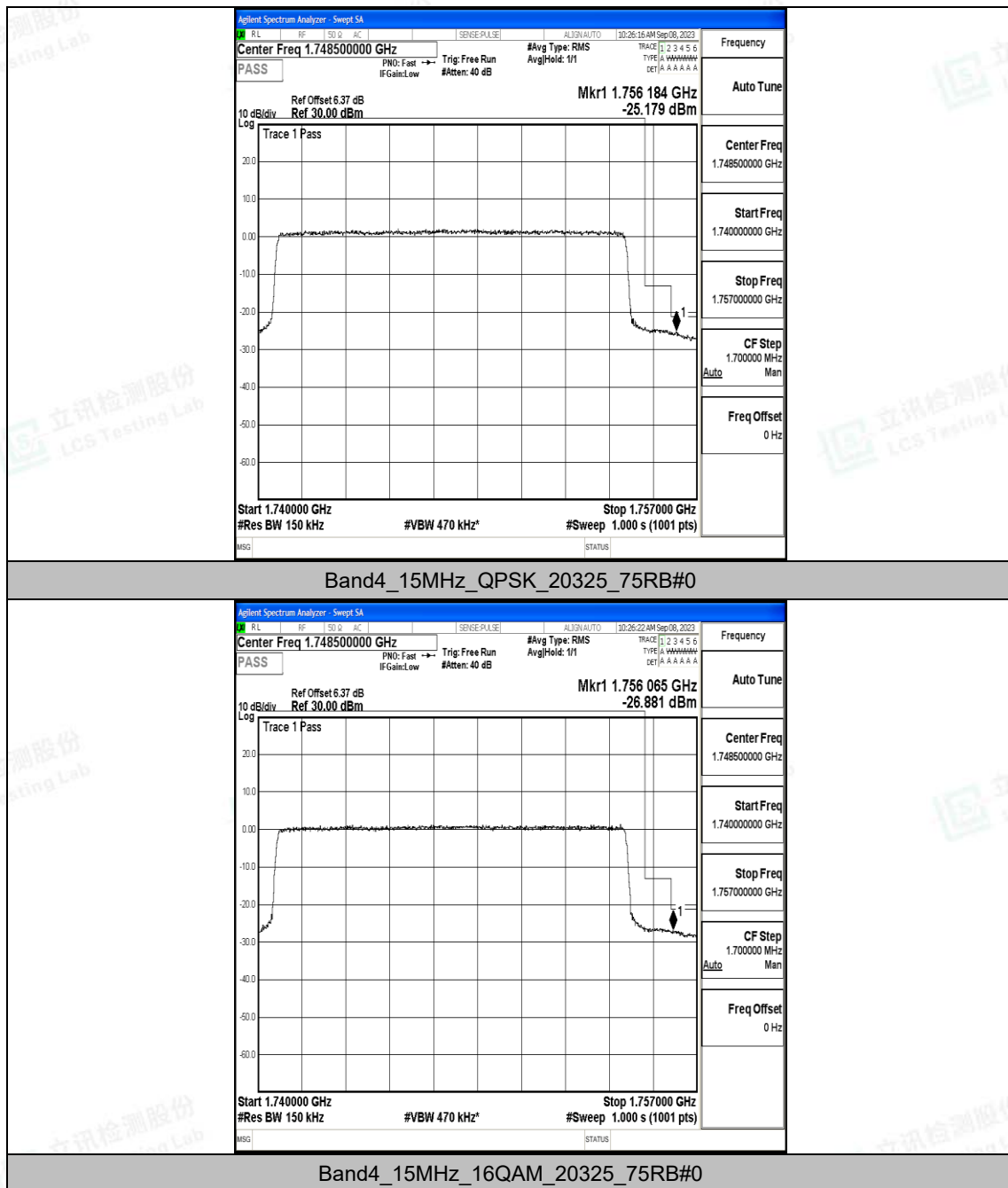


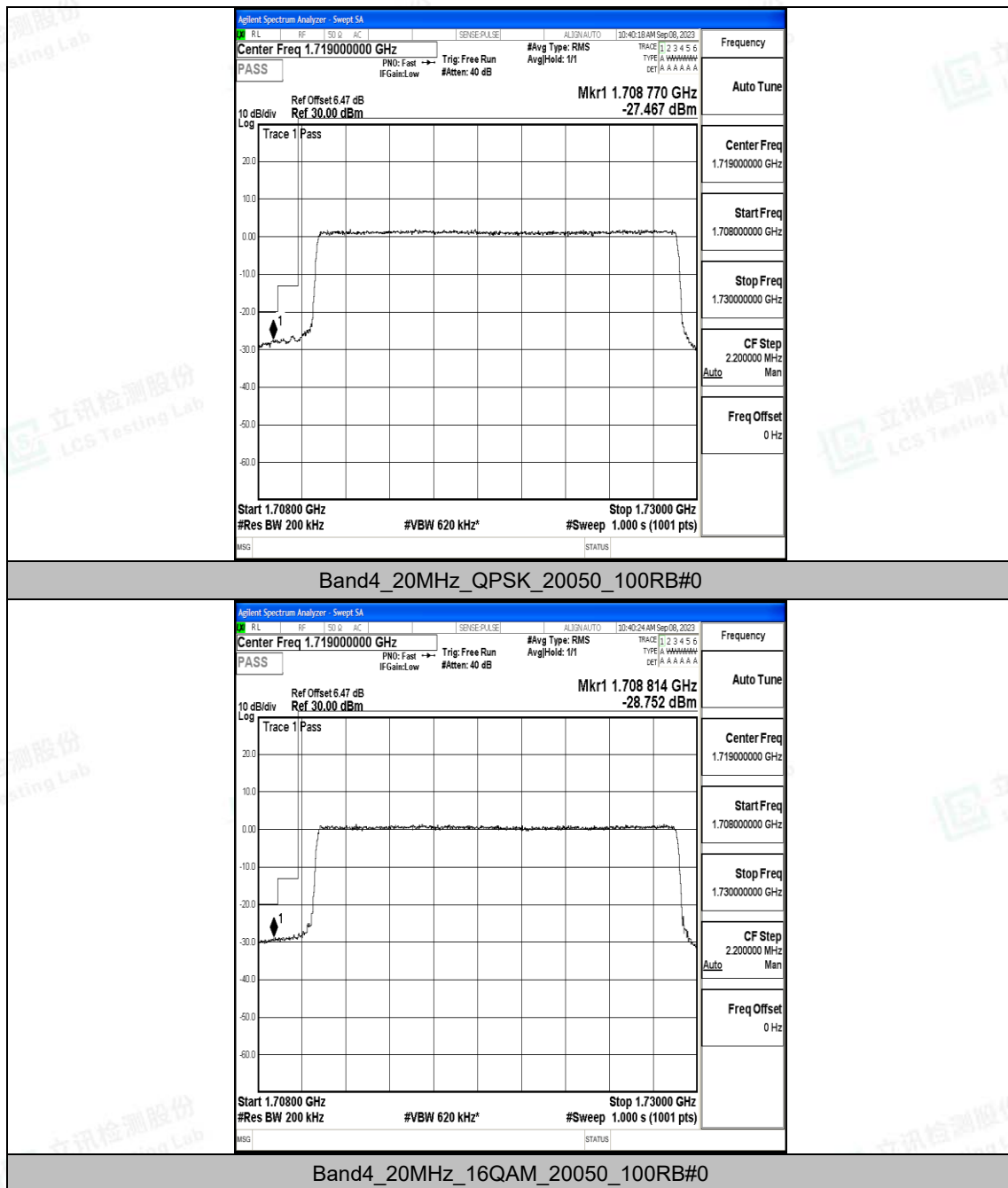
Shenzhen LCS Compliance Testing Laboratory Ltd.

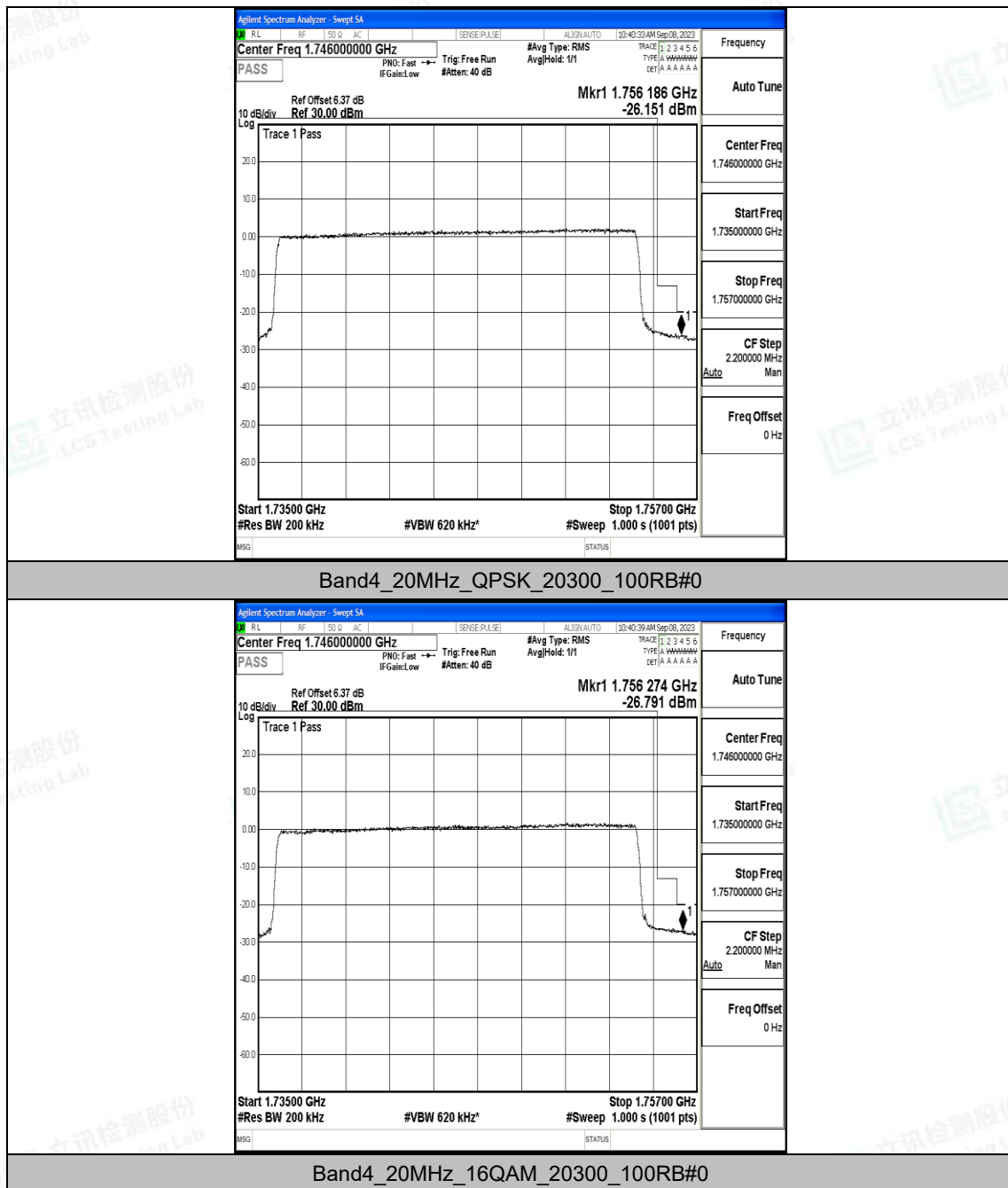
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G.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	0.009~0.15	-65.65	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	0.15~30	-55.33	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-54.54	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-21.01	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	-34.67	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.009~0.15	-64.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.15~30	-55.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-54.63	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-23.29	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	-35.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.009~0.15	-65.73	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.15~30	-52.34	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-54.65	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	-25.02	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	-34.97	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.009~0.15	-63.68	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.15~30	-53.86	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-54.56	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	-28.07	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	-34.56	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.009~0.15	-64.21	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.15~30	-52.37	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-54.56	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	-19.46	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	-34.49	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.009~0.15	-65.38	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.15~30	-54.90	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-54.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	-22.96	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	-34.27	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.009~0.15	-65.36	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.15~30	-53.67	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	-54.58	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	-26.02	PASS
Band4	3MHz	QPSK	19965	1RB#0	3000~20000	-34.99	PASS



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Band4	3MHz	16QAM	19965	1RB#0	0.009~0.15	-65.26	PASS
Band4	3MHz	16QAM	19965	1RB#0	0.15~30	-53.44	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	-54.46	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	-27.64	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	-34.61	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.009~0.15	-62.64	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.15~30	-52.58	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	-54.45	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	-29.41	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	-34.52	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.009~0.15	-65.15	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.15~30	-53.15	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	-54.52	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	-26.51	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	-34.43	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.009~0.15	-65.13	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.15~30	-53.18	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	-54.60	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	-29.79	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	-34.67	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.009~0.15	-64.53	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.15~30	-52.99	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	-54.63	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	-29.59	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	-34.92	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.009~0.15	-65.49	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.15~30	-53.96	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	-54.55	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	-34.32	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	-34.57	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.009~0.15	-64.86	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.15~30	-53.28	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	-54.62	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	-39.99	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	-34.82	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.009~0.15	-65.49	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.15~30	-52.27	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	-54.66	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	-36.53	PASS
Band4	5MHz	QPSK	20175	1RB#0	3000~20000	-34.69	PASS



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Band4	5MHz	16QAM	20175	1RB#0	0.009~0.15	-64.20	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.15~30	-52.51	PASS
Band4	5MHz	16QAM	20175	1RB#0	30~1000	-54.64	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	-39.21	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	-34.94	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.009~0.15	-65.25	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.15~30	-52.61	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	-54.67	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	-41.58	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	-34.70	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.009~0.15	-65.61	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.15~30	-54.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	-54.54	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	-39.07	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	-34.69	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.009~0.15	-65.16	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.15~30	-55.02	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	-55.03	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	-48.72	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	-34.79	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.009~0.15	-66.52	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.15~30	-54.58	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	-55.14	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	-49.17	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	-34.89	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.009~0.15	-65.14	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.15~30	-54.59	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	-55.15	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	-49.42	PASS
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	-34.94	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.009~0.15	-65.19	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.15~30	-52.11	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	-54.56	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	-49.29	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	-34.86	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.009~0.15	-66.05	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.15~30	-53.27	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	-54.61	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	-48.88	PASS
Band4	10MHz	QPSK	20350	1RB#0	3000~20000	-34.67	PASS



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Band4	10MHz	16QAM	20350	1RB#0	0.009~0.15	-65.46	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.15~30	-51.77	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	-54.66	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	-49.32	PASS
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	-34.43	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.009~0.15	-64.58	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.15~30	-54.14	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	-54.52	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	-48.09	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	-34.51	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.009~0.15	-64.84	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.15~30	-52.46	PASS
Band4	15MHz	16QAM	20025	1RB#0	30~1000	-54.60	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	-46.54	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	-35.09	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.009~0.15	-65.28	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.15~30	-53.58	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	-54.61	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	-48.94	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	-34.82	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.009~0.15	-62.01	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.15~30	-53.42	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	-54.54	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	-48.95	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	-34.65	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.009~0.15	-63.13	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.15~30	-54.92	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	-54.55	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	-49.40	PASS
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	-34.48	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.009~0.15	-65.10	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.15~30	-55.88	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	-54.55	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	-49.48	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	-34.43	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.009~0.15	-65.89	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.15~30	-54.10	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-54.54	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	-43.05	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	-34.40	PASS



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Band4	20MHz	16QAM	20050	1RB#0	0.009~0.15	-66.09	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.15~30	-55.23	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	-54.68	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	-44.09	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	-34.84	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.009~0.15	-65.68	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.15~30	-53.09	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-54.64	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	-48.28	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	-34.62	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.009~0.15	-64.04	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.15~30	-54.23	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	-54.63	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	-48.47	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	-34.57	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.009~0.15	-66.11	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.15~30	-55.50	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-54.53	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	-49.34	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	-34.87	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.009~0.15	-65.56	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.15~30	-54.24	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	-54.65	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	-48.97	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	-34.13	PASS



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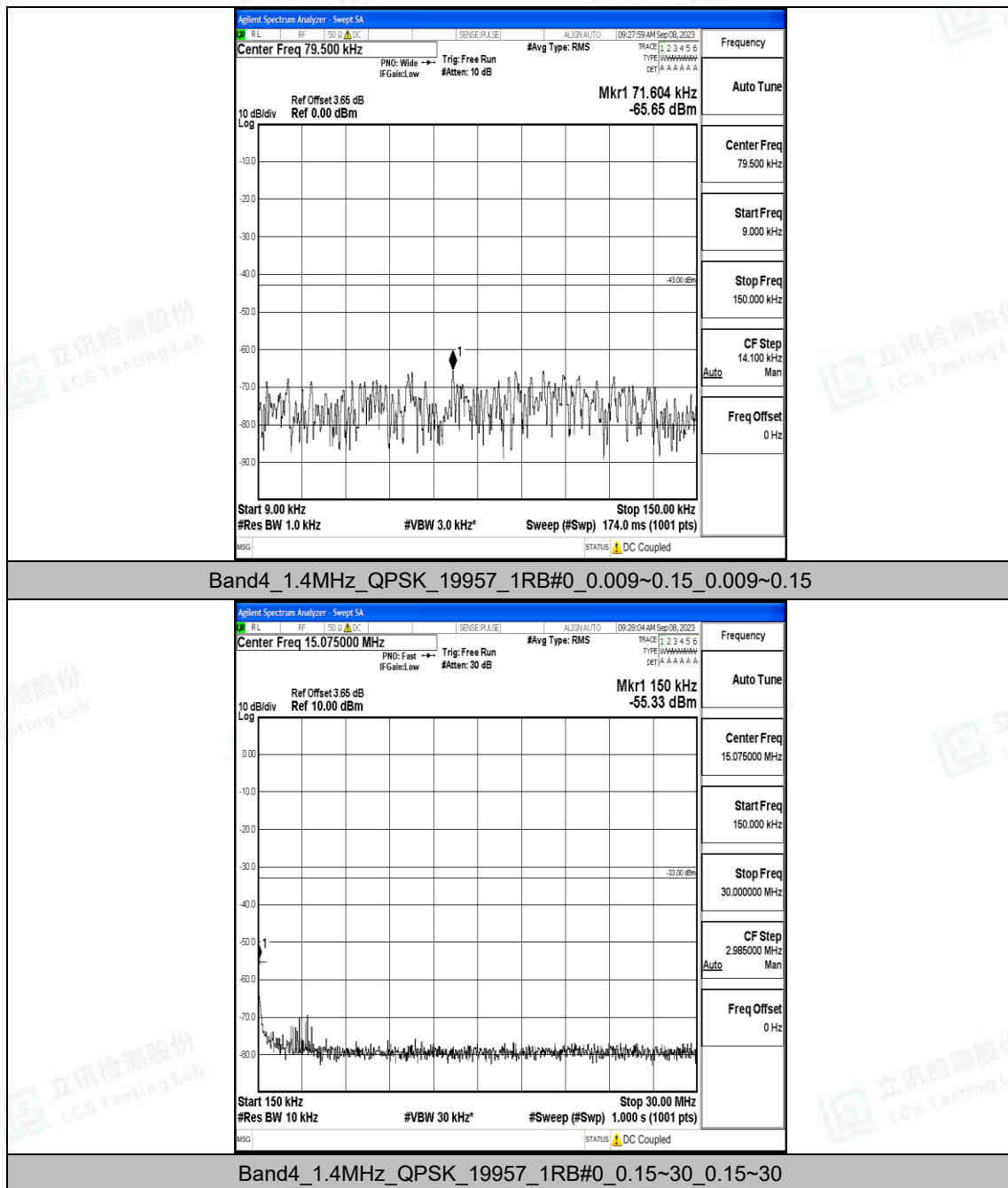
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Test Graphs

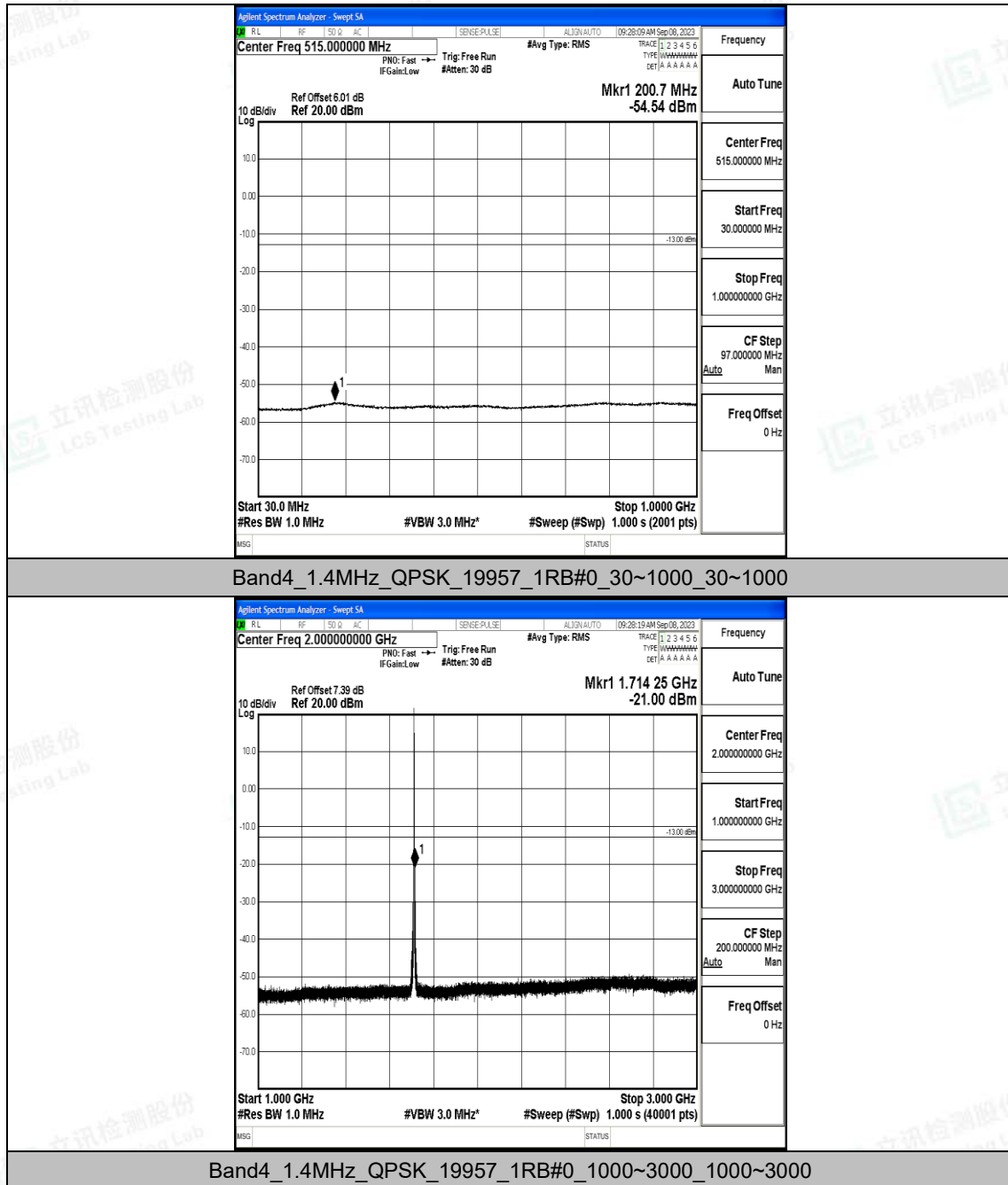


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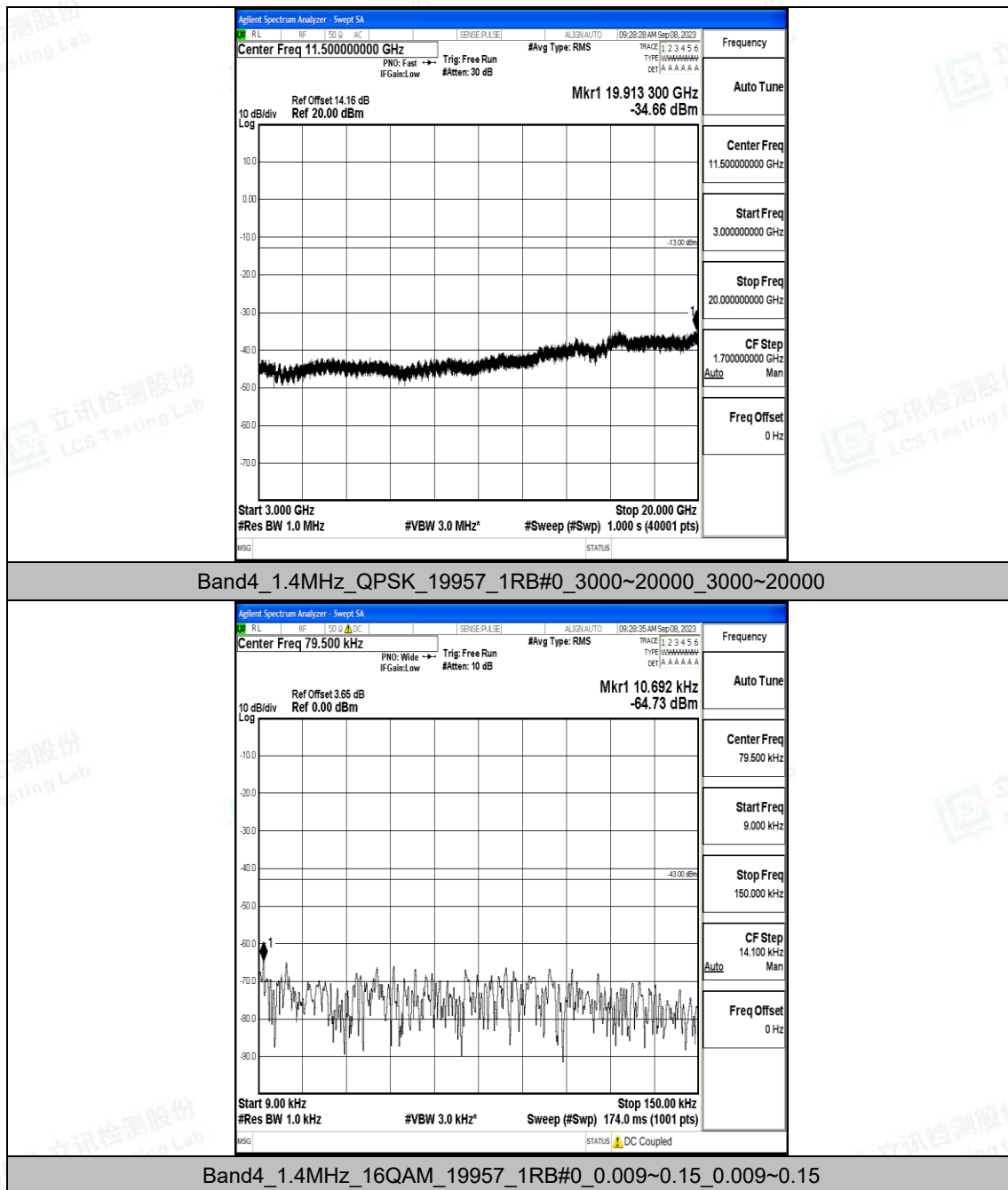


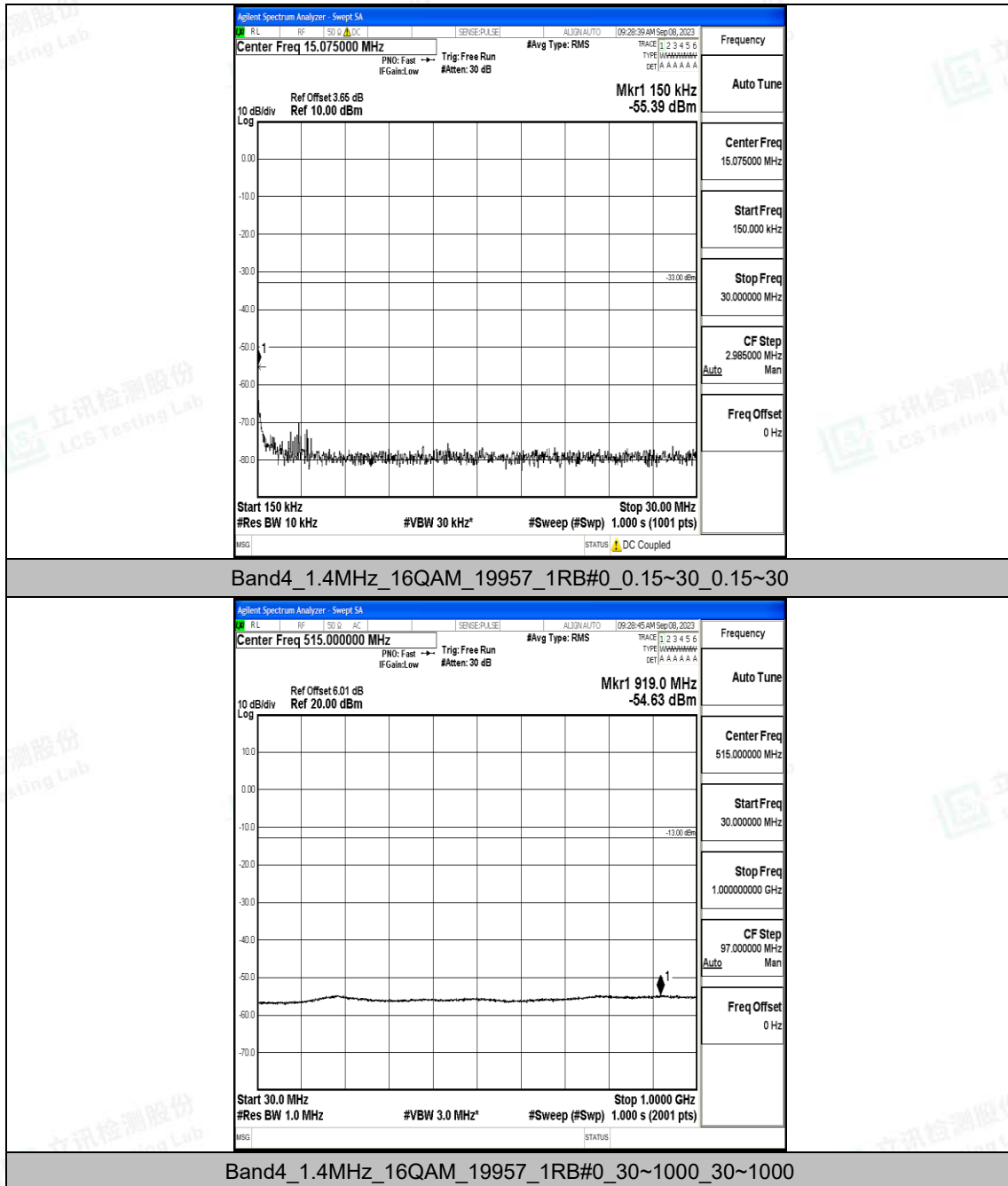
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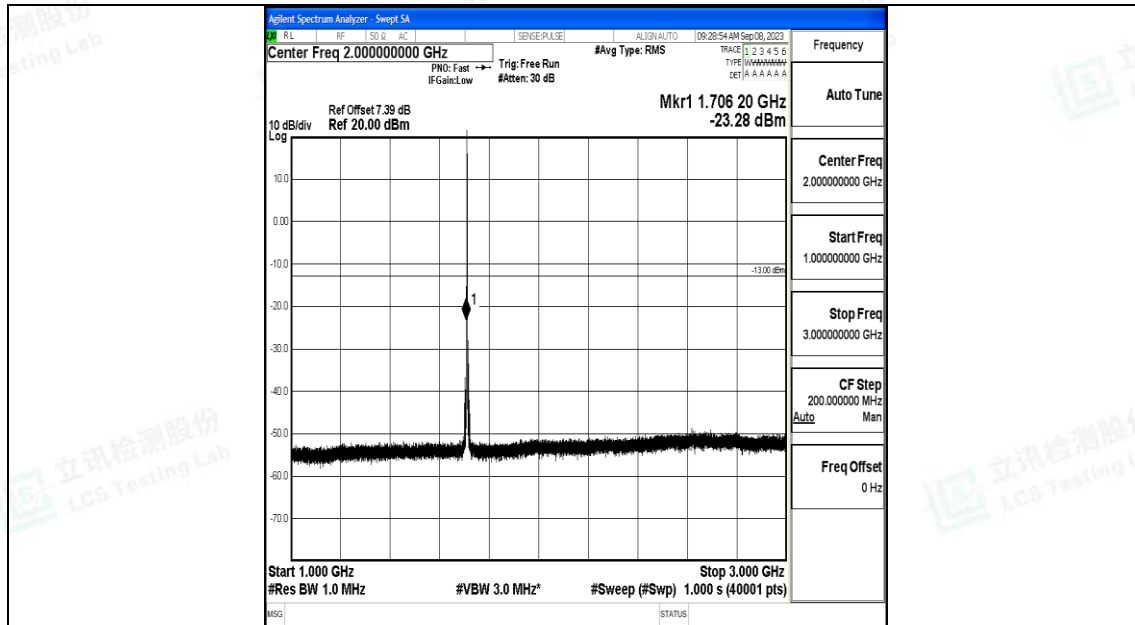
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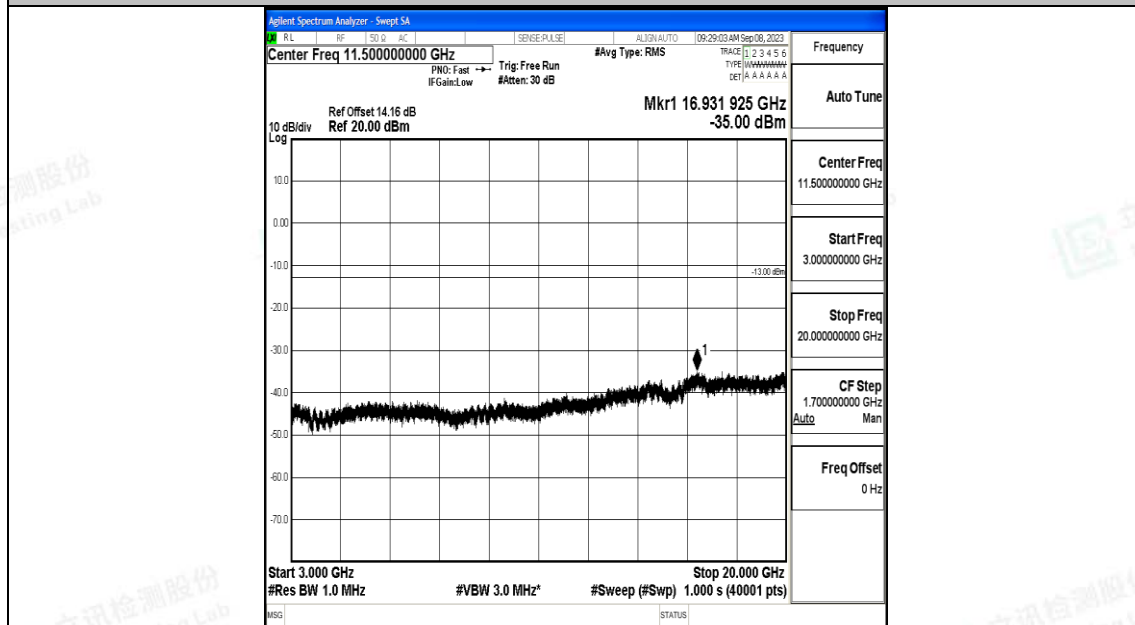
Scan code to check authenticity







Band4_1.4MHz_16QAM_19957_1RB#0_1000~3000_1000~3000



Band4_1.4MHz_16QAM_19957_1RB#0_3000~20000_3000~20000



Shenzhen LCS Compliance Testing Laboratory Ltd.

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