



Appendix E: Test Data for E-UTRA Band 4

Product Name: Kids Smartwatch

Test Model: x6

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



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E.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.97	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.88	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.76	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.82	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.79	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.67	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.70	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.69	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.63	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.76	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.79	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.69	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.55	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.61	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.19	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.35	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.29	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.32	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.31	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.26	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.32	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.81	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.70	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.68	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.58	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.79	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.74	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.79	PASS



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Band4	1.4MHz	16QAM	20175	1RB#5	21.50	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.50	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.51	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.38	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.91	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.46	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.32	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.28	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.16	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.19	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.28	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.36	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.36	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.05	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.43	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.19	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.27	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.34	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.43	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.52	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.32	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.45	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.44	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.39	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.32	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.95	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.10	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.09	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.03	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.01	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.10	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.09	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.40	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.42	PASS



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Band4	3MHz	16QAM	19965	1RB#14	21.11	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.43	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.46	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.20	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.29	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.49	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.43	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.29	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.64	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.50	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.46	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.59	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.79	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.15	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.82	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.93	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.10	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.19	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.09	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.52	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.52	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.09	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.22	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.14	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.91	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.94	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.58	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.38	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.31	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.57	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.55	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.42	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.44	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.28	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.46	PASS



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Band4	5MHz	QPSK	20375	1RB#24	22.34	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.18	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.20	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.16	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.25	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.63	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.60	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.19	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.52	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.66	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.79	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.95	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.56	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.31	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.24	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.58	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.47	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.47	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.53	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.31	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.17	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.09	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.19	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.25	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.31	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.14	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.85	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.27	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.62	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.83	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.77	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.77	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.69	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.54	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.65	PASS



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Band4	10MHz	QPSK	20175	1RB#49	21.99	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.57	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.55	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.39	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.55	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.09	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.63	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.31	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.36	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.49	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.16	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.26	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.83	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.36	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.67	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.30	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.81	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.83	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.69	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.61	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.90	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.08	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.62	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.60	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.37	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.53	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.07	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.62	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.07	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.57	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.25	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.22	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.34	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.78	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.38	PASS



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Band4	15MHz	QPSK	20025	1RB#74	22.32	PASS
Band4	15MHz	QPSK	20025	38RB#0	20.43	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.27	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.28	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.47	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.42	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.39	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.01	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.64	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.89	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.05	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.37	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.20	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.41	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.06	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.42	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.74	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.29	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.31	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.70	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.45	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.40	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.39	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.23	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.26	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.52	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.57	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.86	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.11	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.63	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.72	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.11	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.41	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.36	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.25	PASS



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Band4	15MHz	16QAM	20325	1RB#74	21.25	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.41	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.33	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.28	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.44	PASS
Band4	20MHz	QPSK	20050	1RB#0	20.97	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.36	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.47	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.42	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.38	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.57	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.99	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.85	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.93	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.21	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.59	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.55	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.32	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.63	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.48	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.84	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.36	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.41	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.40	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.34	PASS
Band4	20MHz	16QAM	20050	1RB#0	19.92	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.36	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.53	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.51	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.47	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.65	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.08	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.86	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.25	PASS



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Band4	20MHz	16QAM	20175	1RB#99	21.23	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.71	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.62	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.41	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.70	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.54	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.83	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.22	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.50	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.49	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.40	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.54	PASS





E.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	5.19	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.02	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.07	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.03	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.83	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.02	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.30	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.07	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.19	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.13	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.84	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.02	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.32	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.06	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.23	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.10	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.84	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.96	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.37	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.99	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.20	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.17	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.81	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.00	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.51	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.12	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.39	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.18	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.87	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.07	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.29	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.93	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.25	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.08	13	PASS



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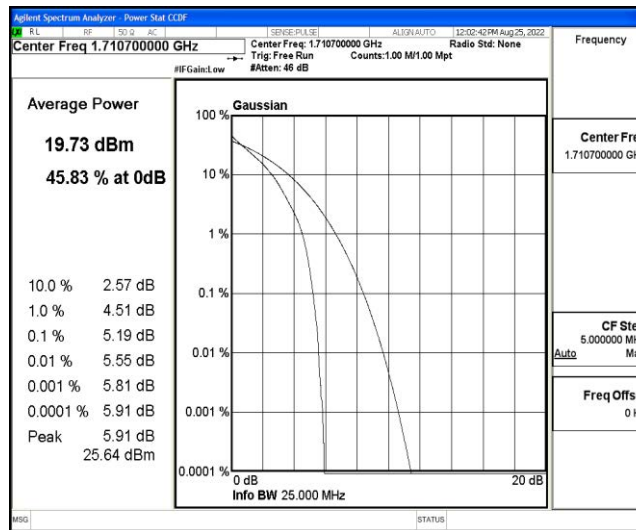
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Band4	20MHz	16QAM	20300	100RB#0	6.02	13	PASS



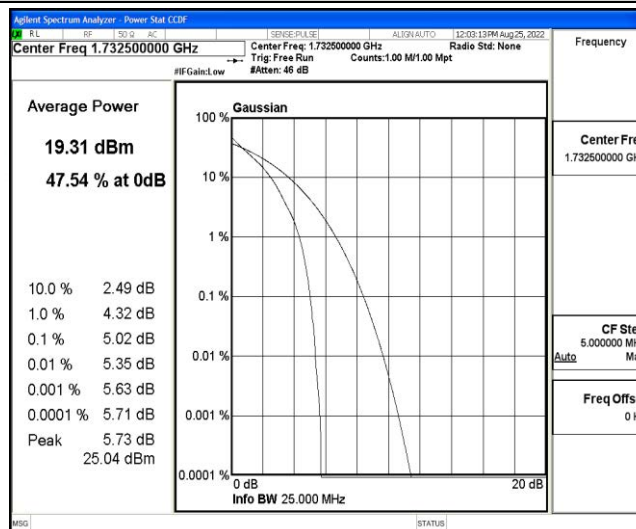


Test Graphs

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



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



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

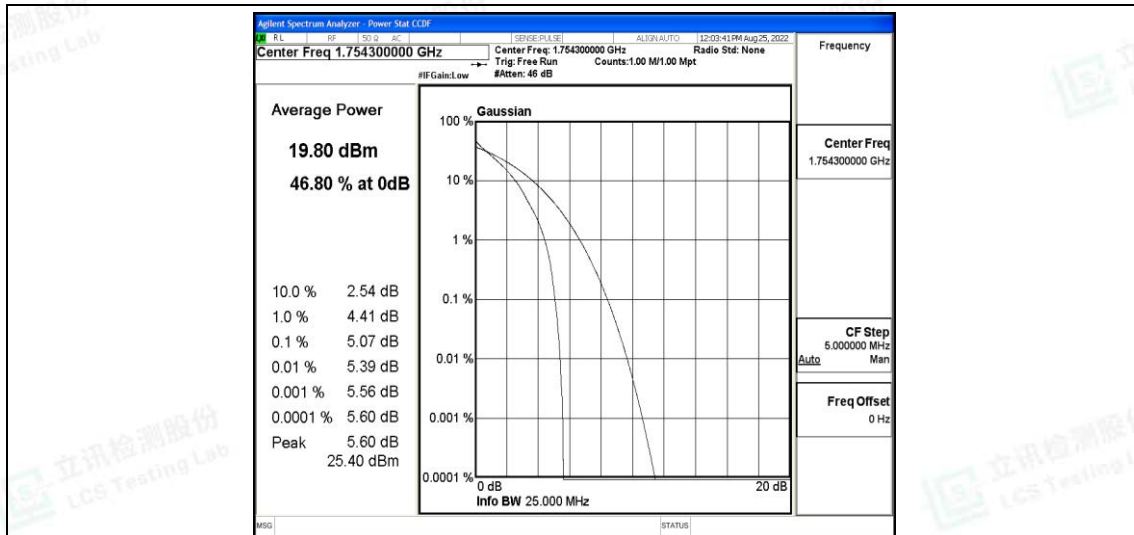


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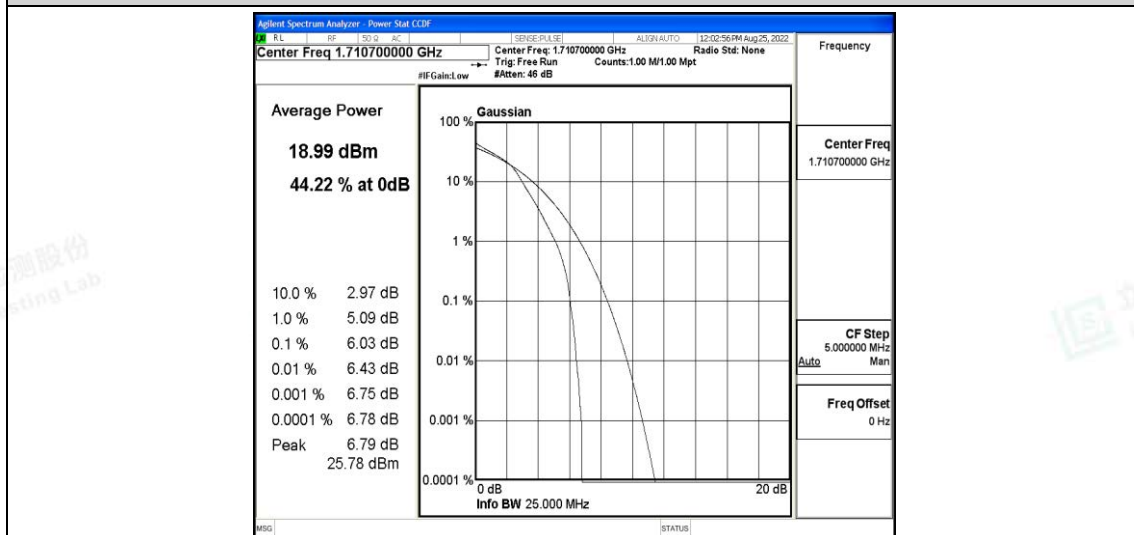
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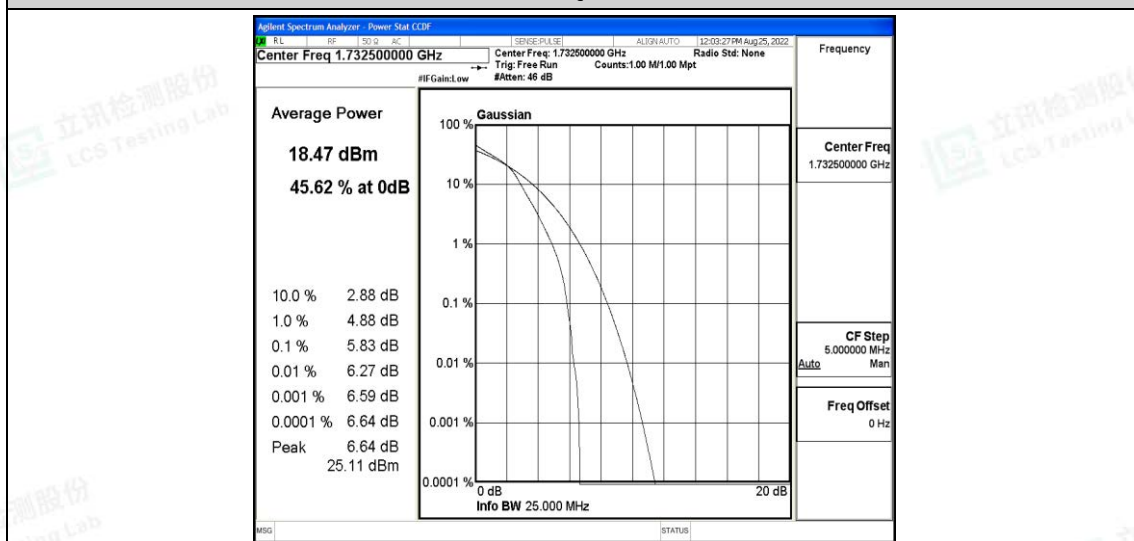
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Band4-1.4MHz-16QAM-19957-6RB#0



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



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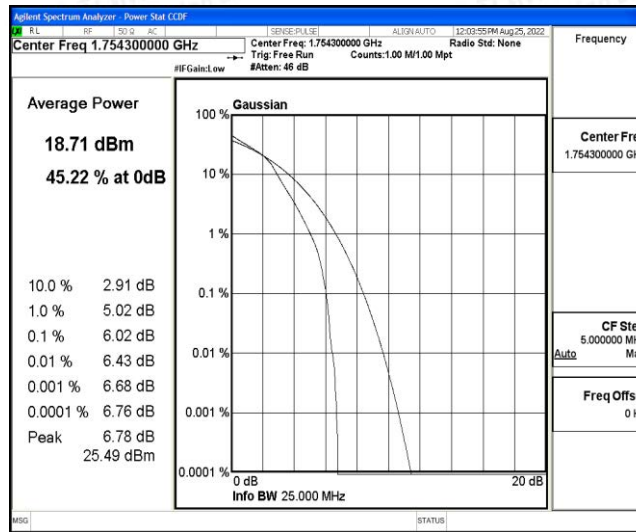
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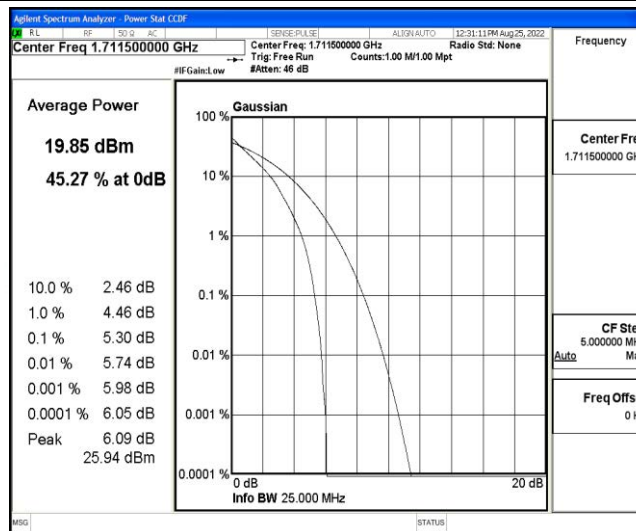
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Band4-1.4MHz-16QAM-20393-6RB#0



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



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

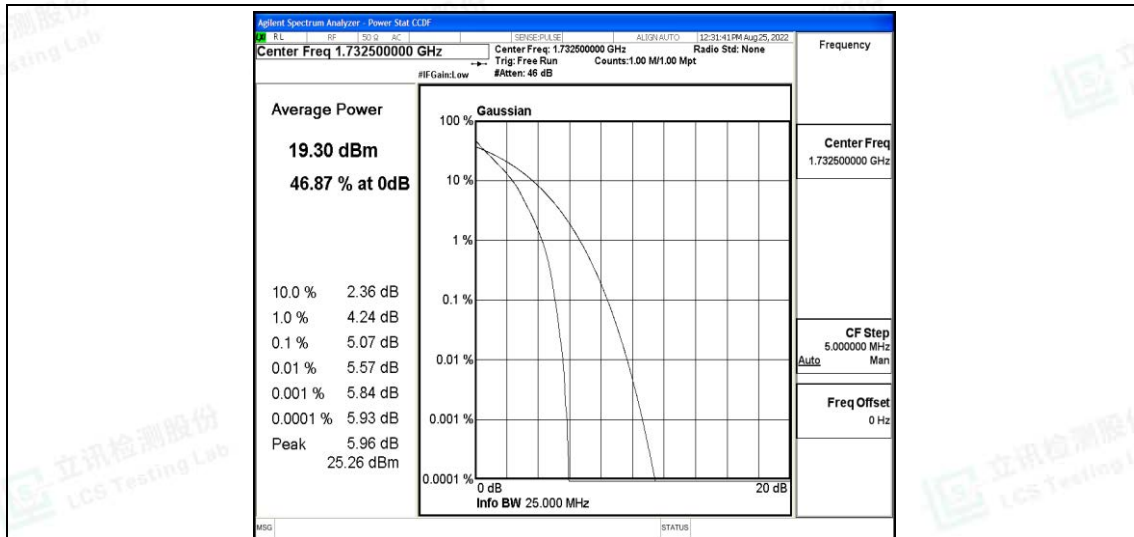


Shenzhen LCS Compliance Testing Laboratory Ltd.

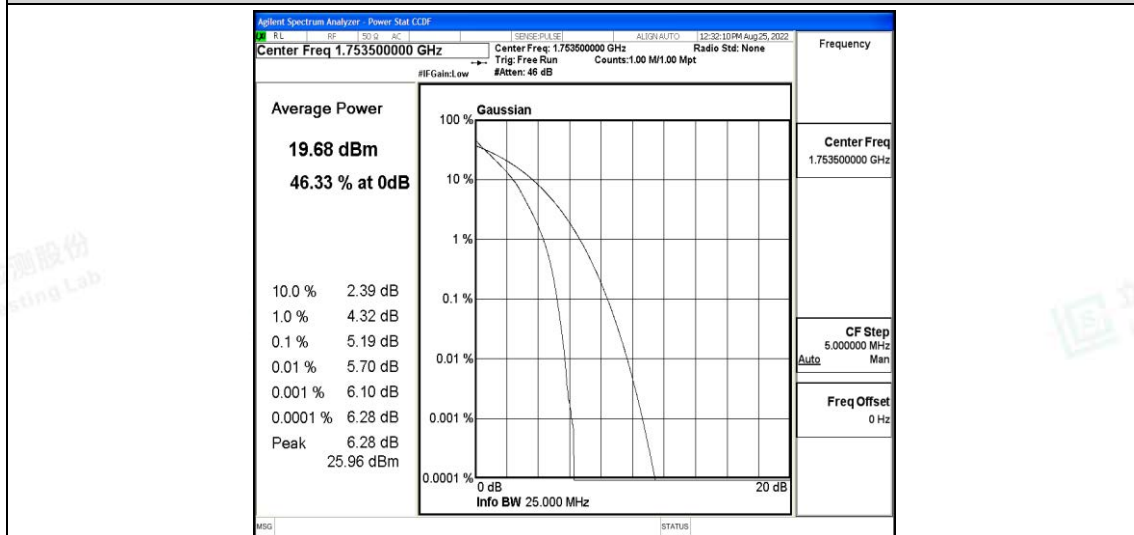
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

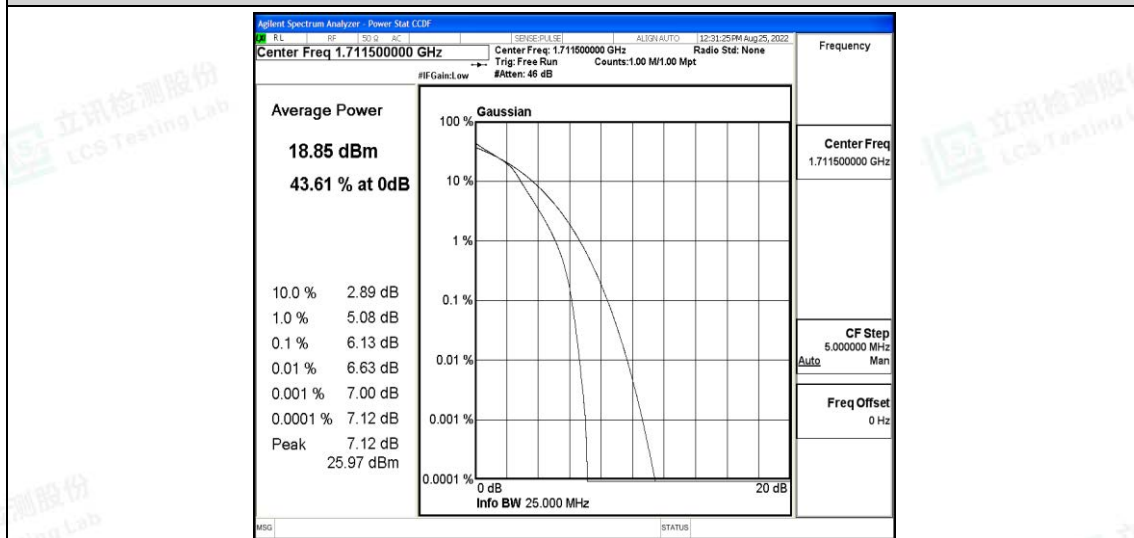
Scan code to check authenticity



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

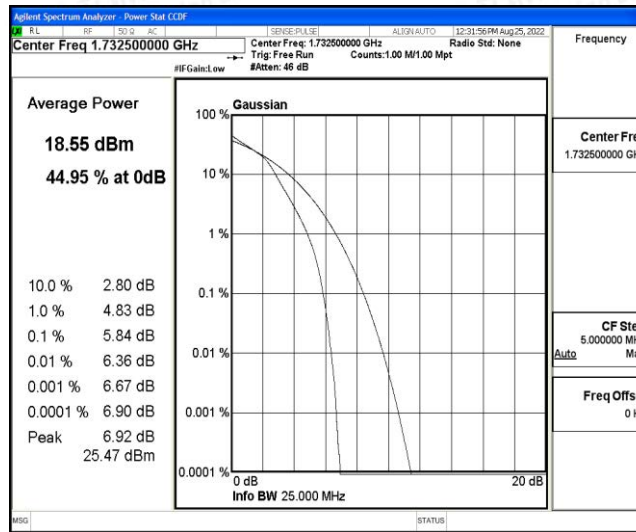
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

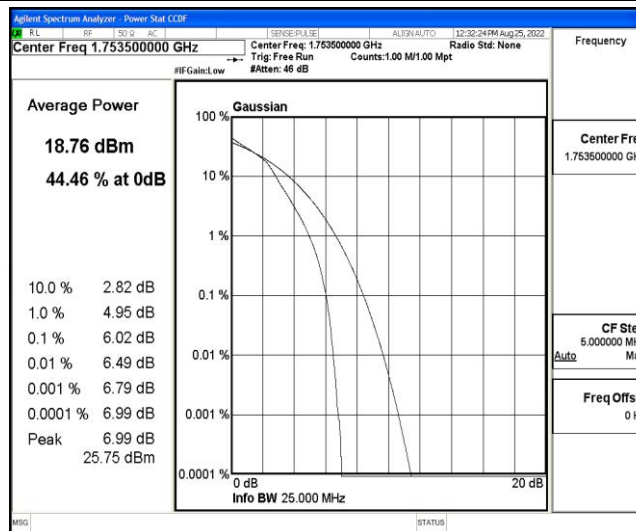
Scan code to check authenticity



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



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



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

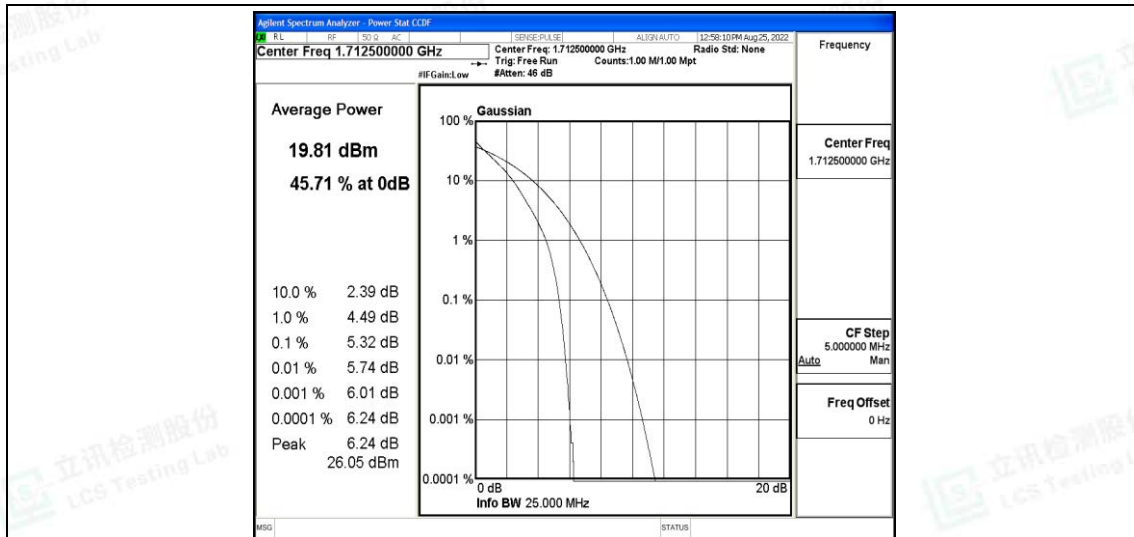


Shenzhen LCS Compliance Testing Laboratory Ltd.

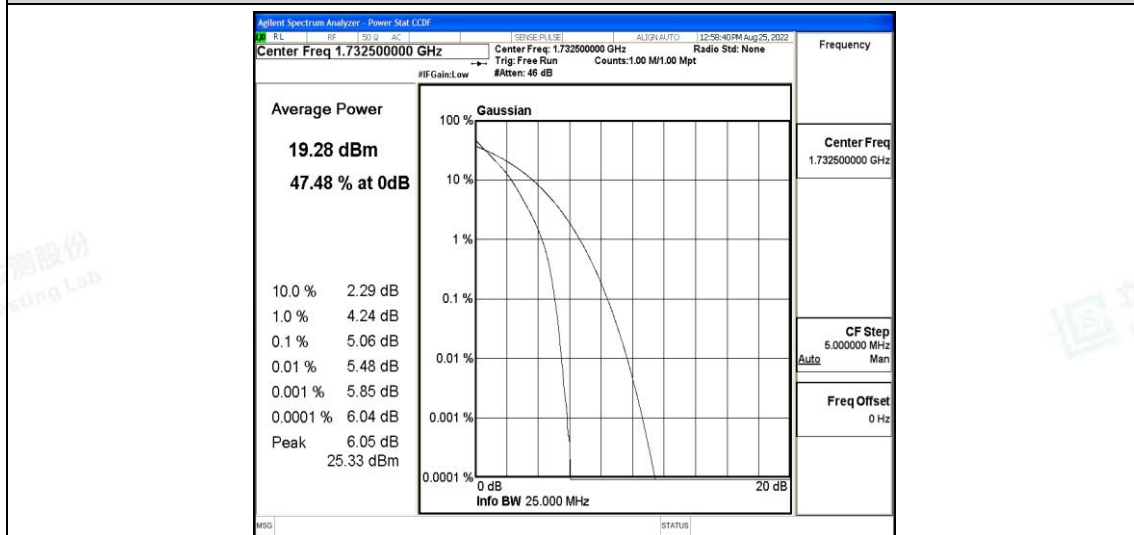
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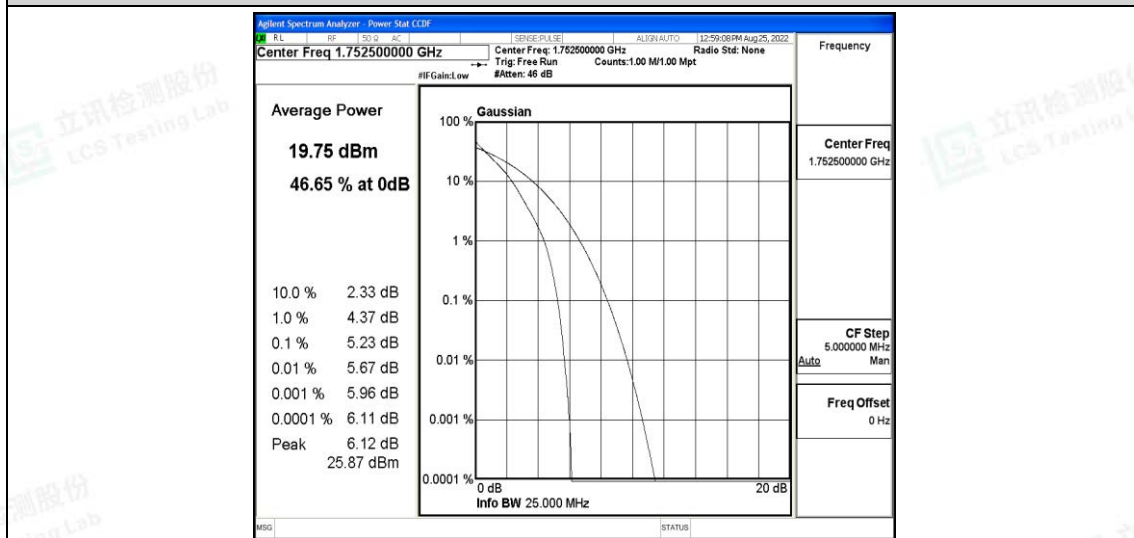
Scan code to check authenticity



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



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



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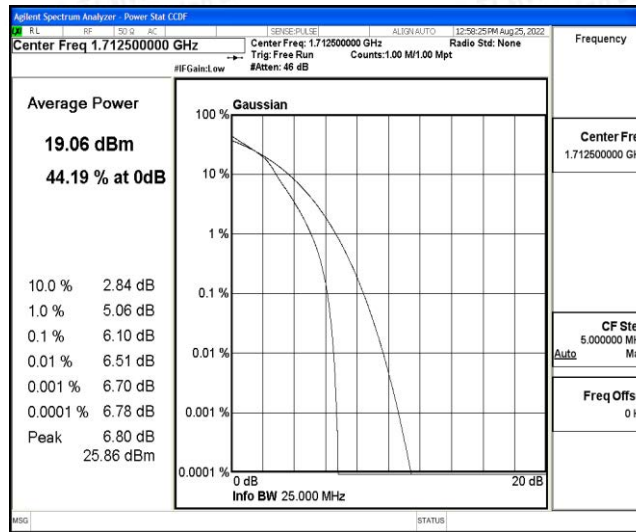
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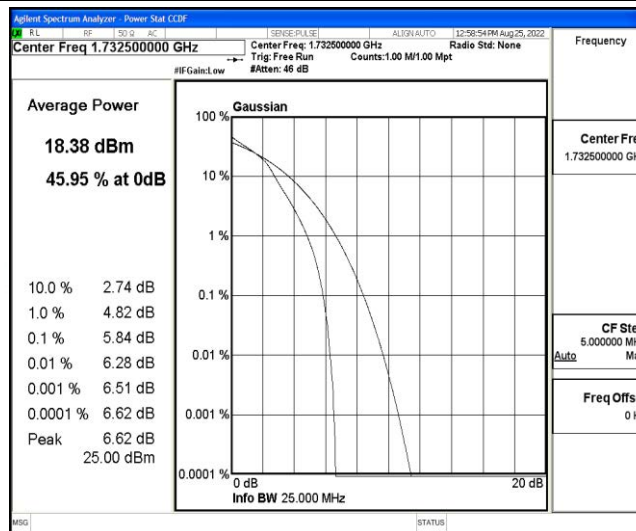
Scan code to check authenticity



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



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



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

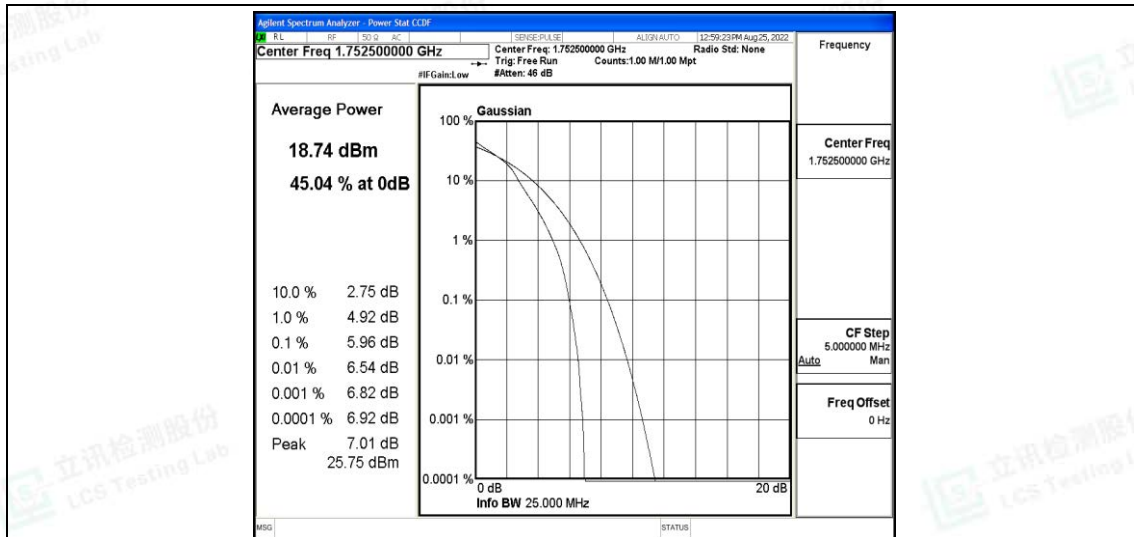


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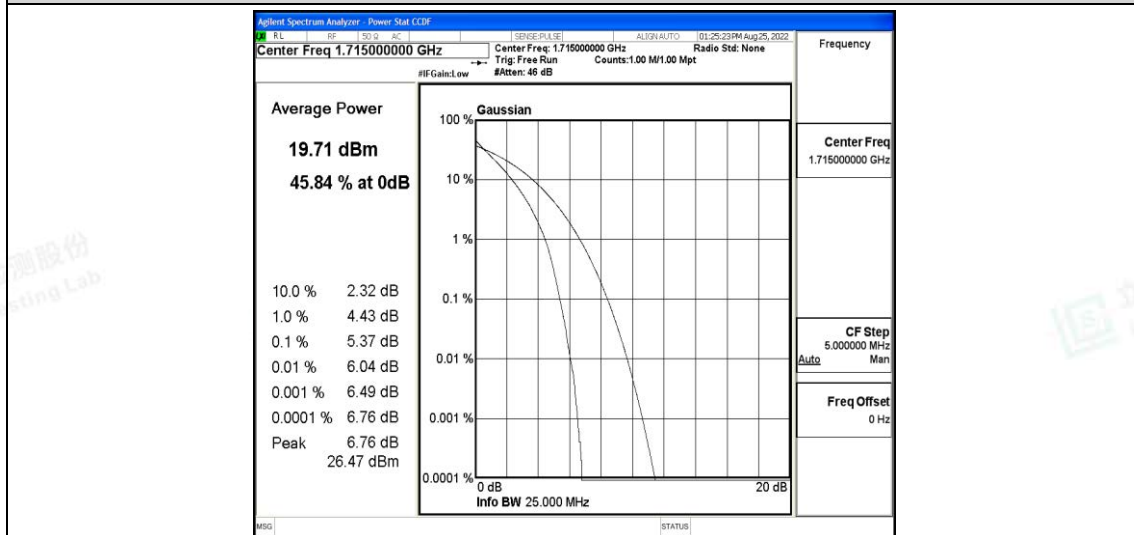
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

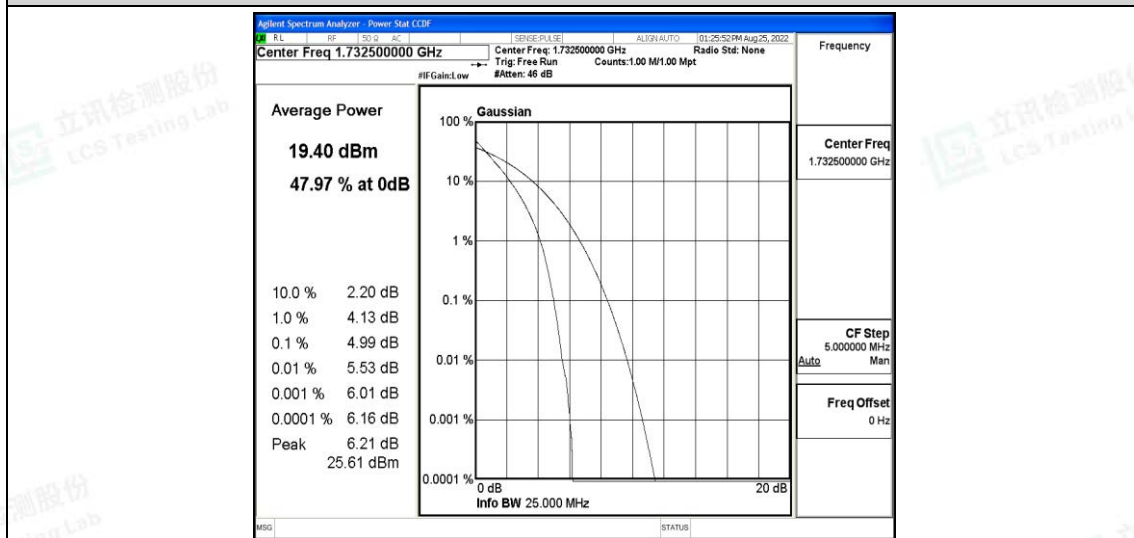
Scan code to check authenticity



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



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



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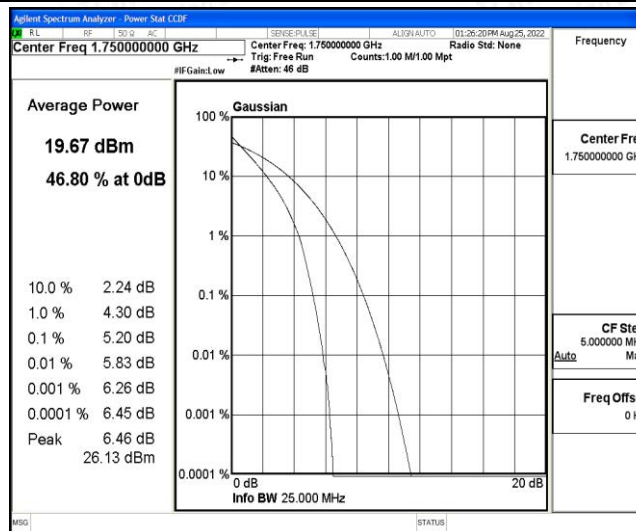
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

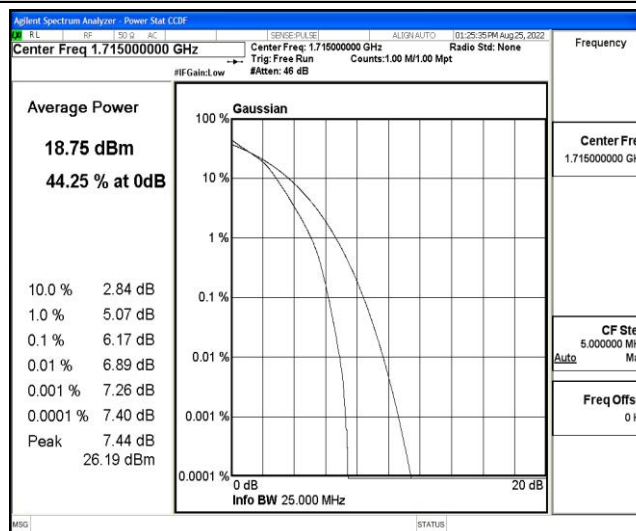
Scan code to check authenticity



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



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



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

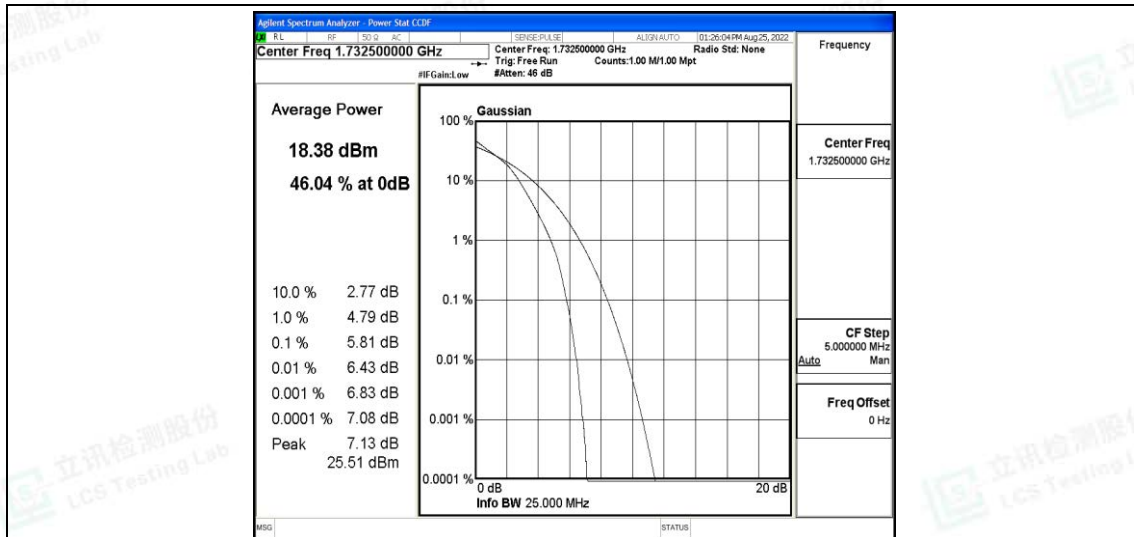


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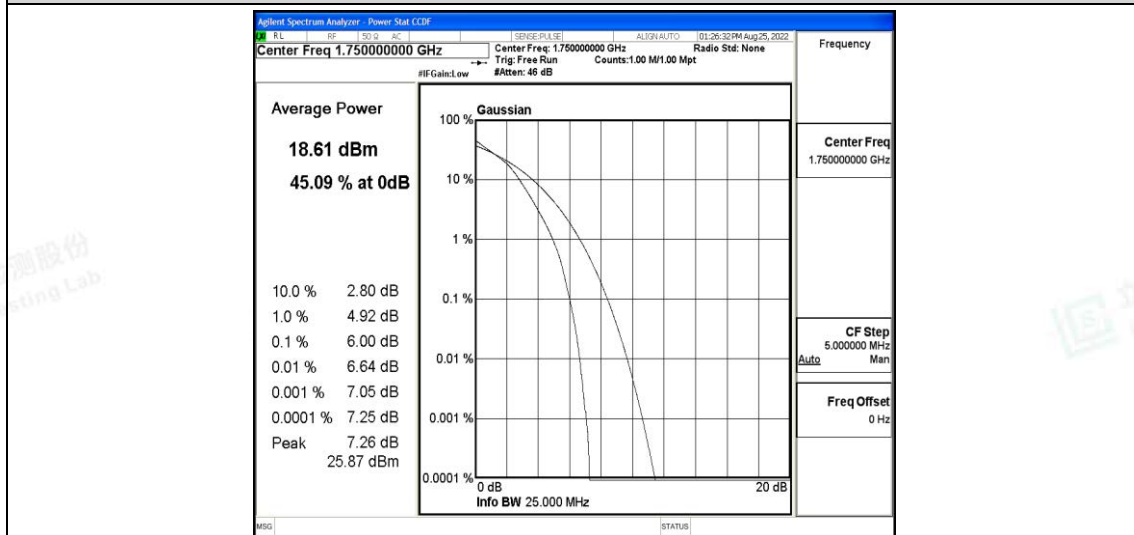
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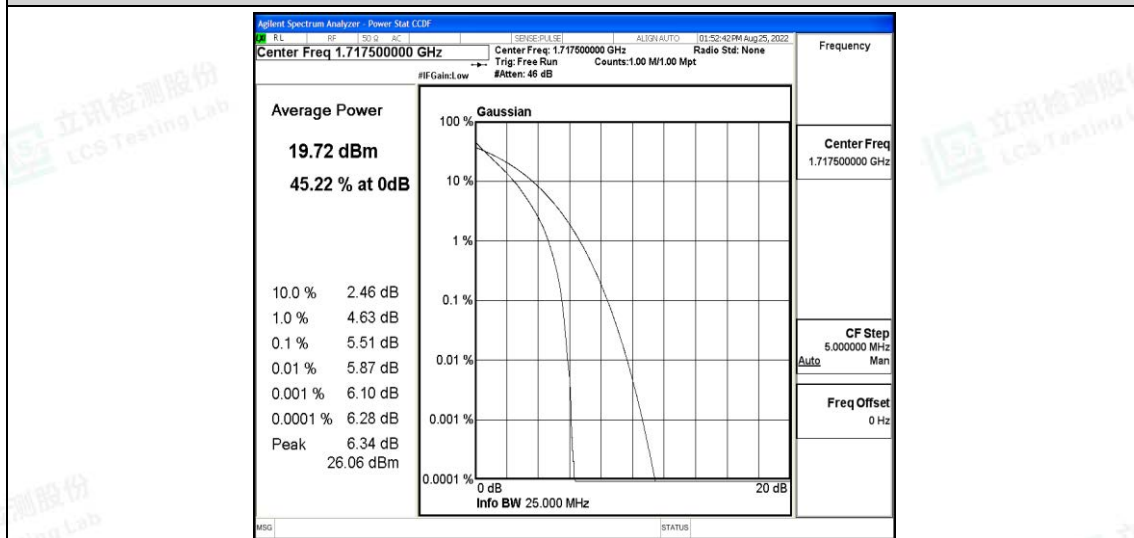
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Band4-10MHz-16QAM-20350-50RB#0



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



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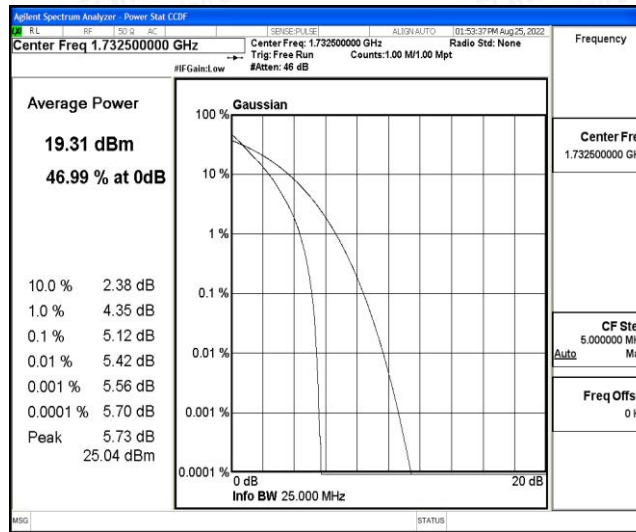
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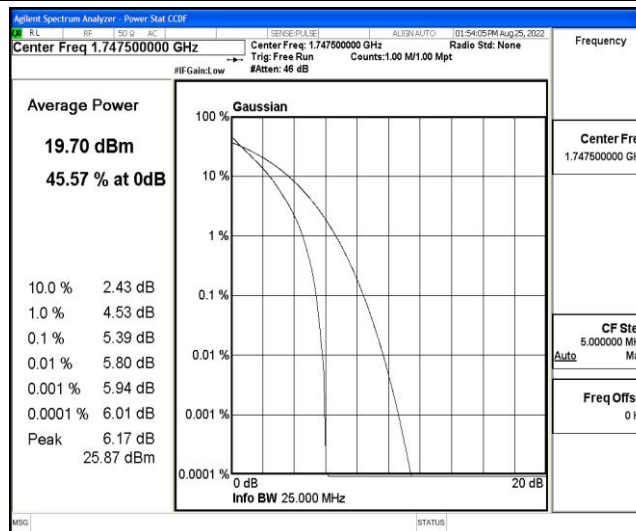
Scan code to check authenticity



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



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



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

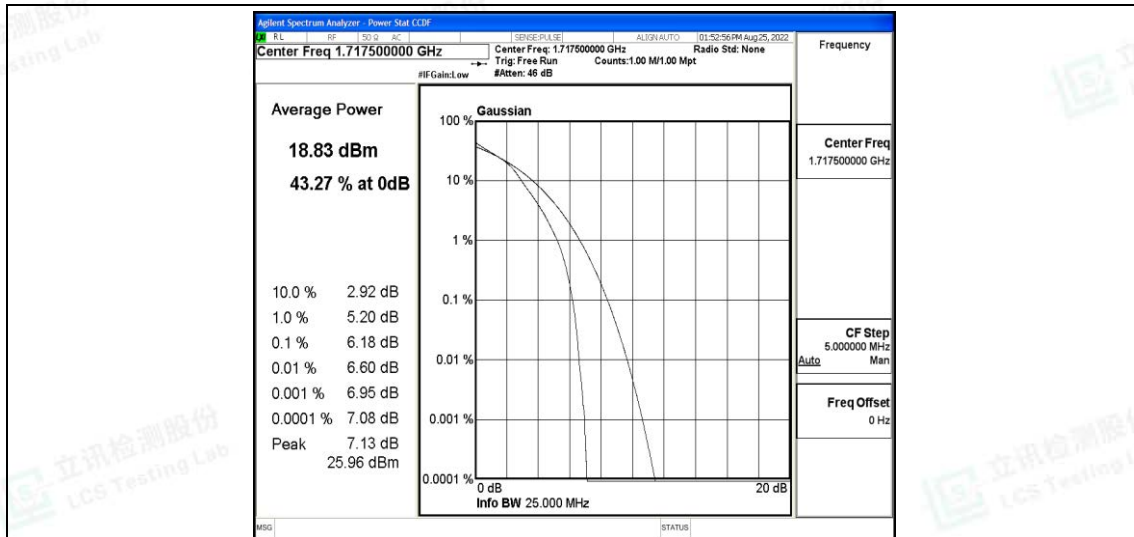


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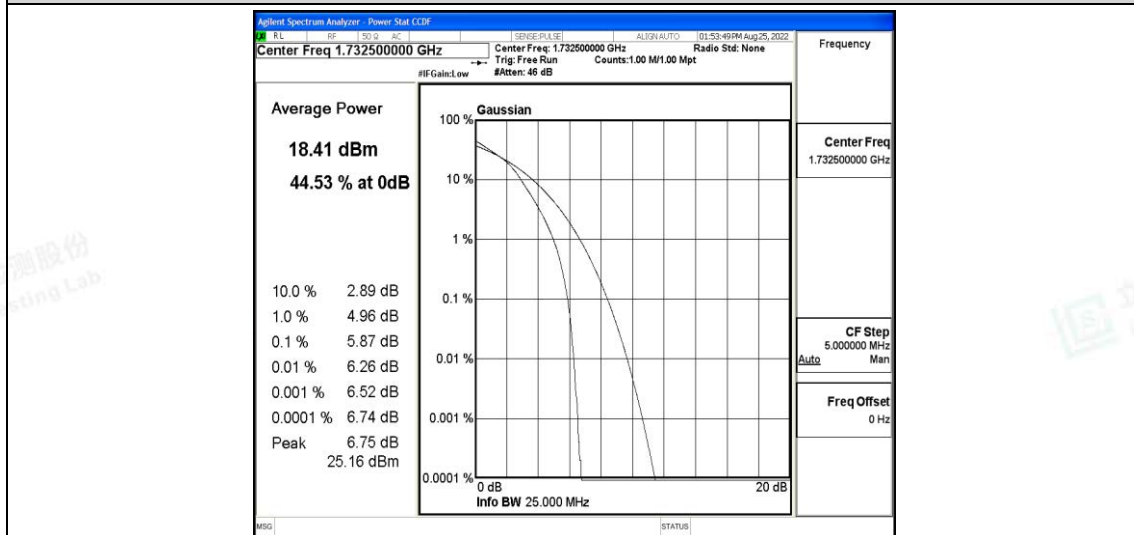
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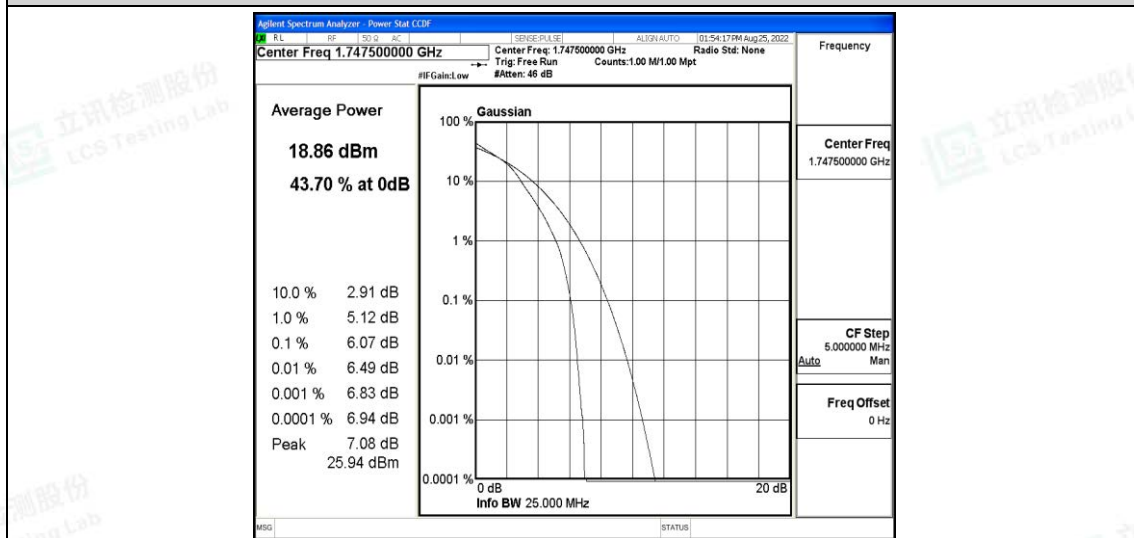
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Band4-15MHz-16QAM-20175-75RB#0



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



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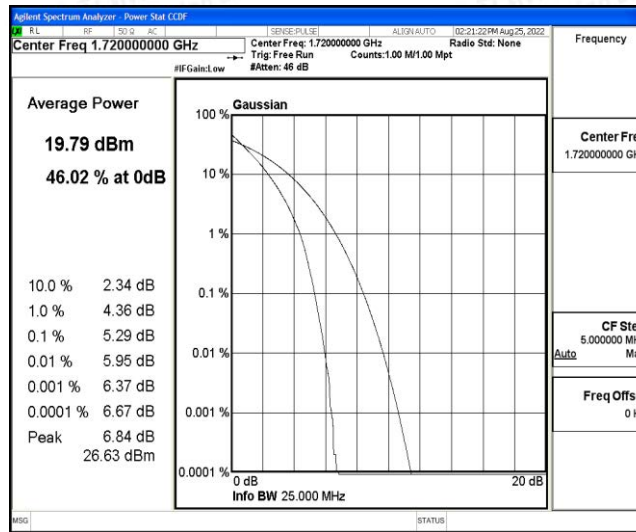
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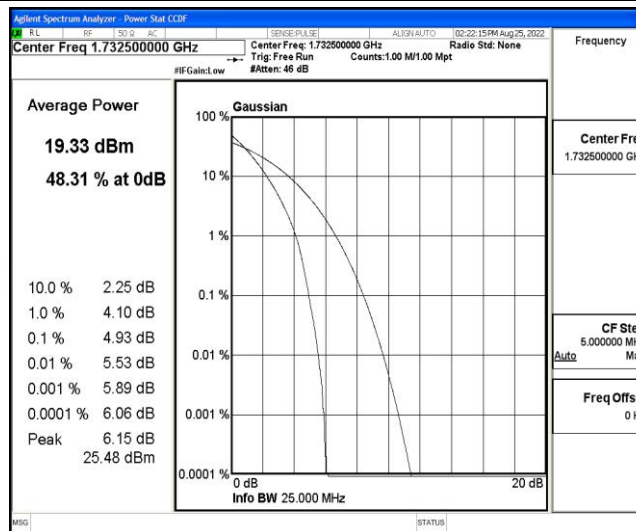
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Band4-20MHz-QPSK-20050-100RB#0



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



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

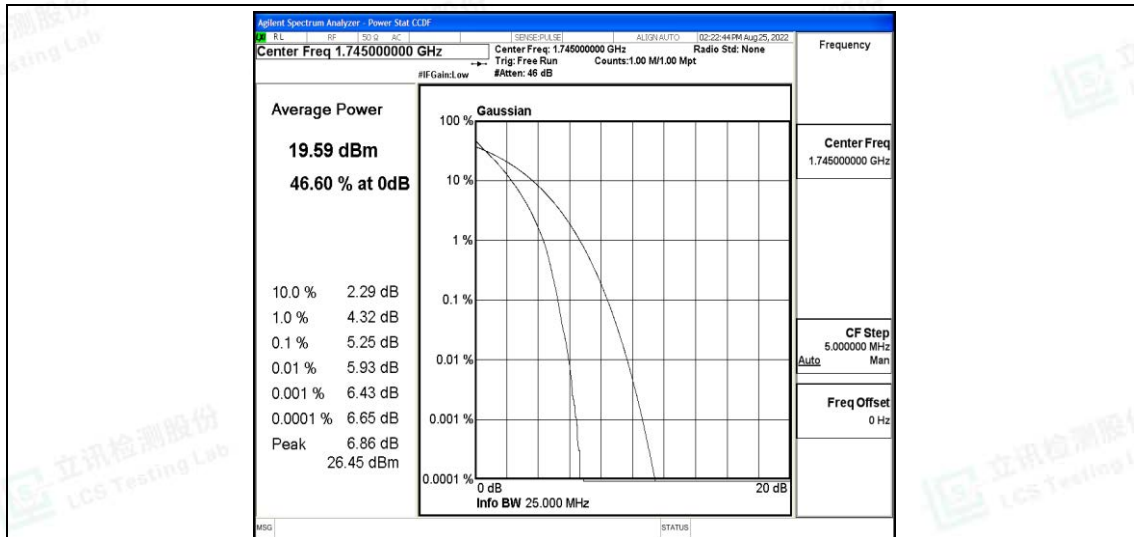


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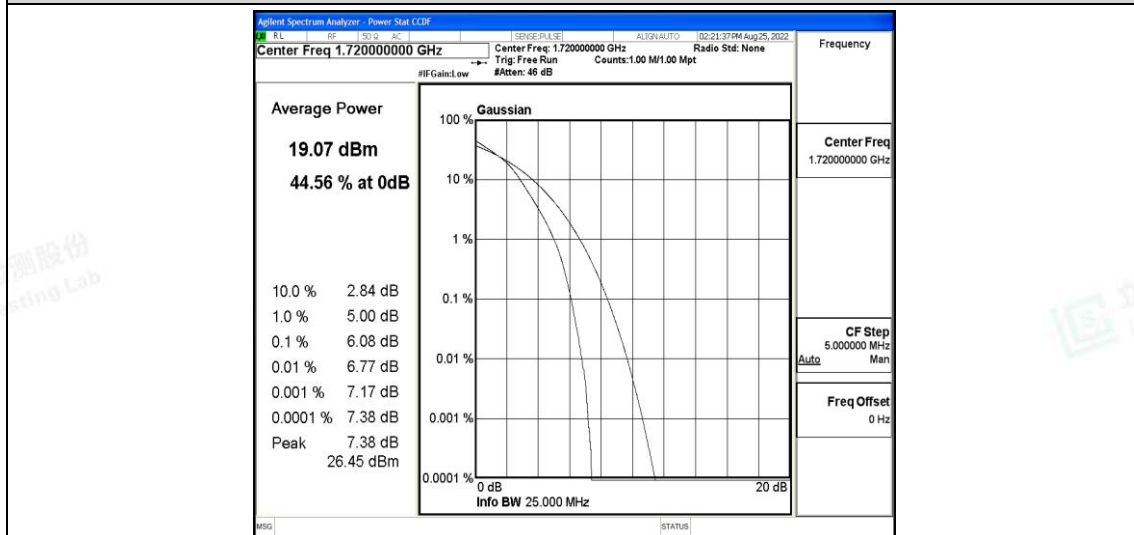
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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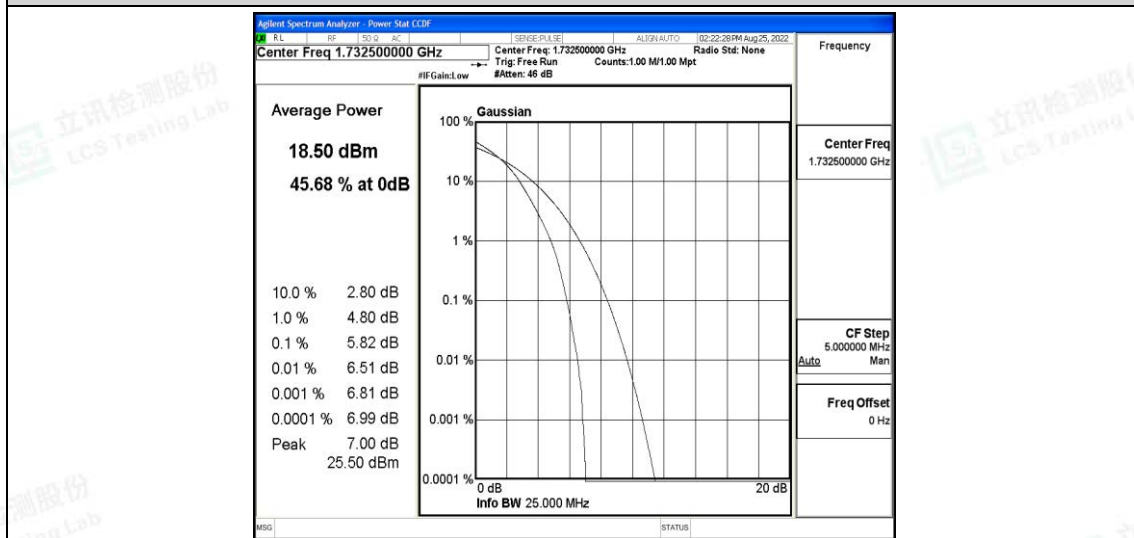
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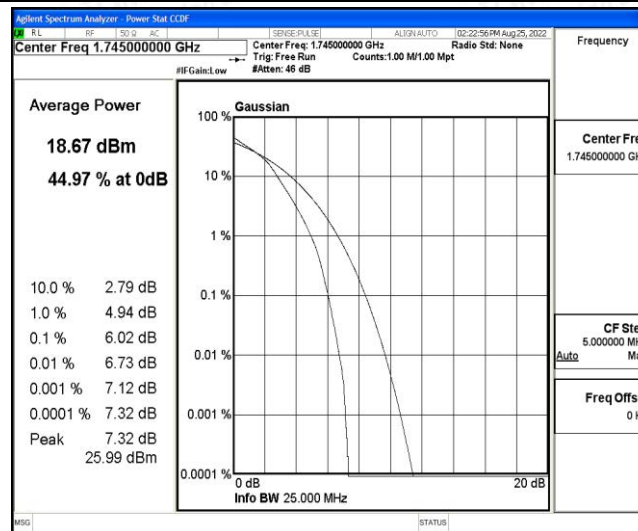
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Band4-20MHz-16QAM-20300-100RB#0



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E.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	1.0920	1.292	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0935	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0933	1.328	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0983	1.300	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0986	1.299	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0912	1.279	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6944	2.965	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7025	2.955	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6956	2.965	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6926	2.954	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6891	2.948	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6963	2.975	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5086	5.022	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5120	5.019	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4941	5.000	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5034	4.938	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5009	4.978	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5191	5.023	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9780	9.904	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9505	9.863	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9804	9.910	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9689	9.849	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9592	9.812	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9512	9.878	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.492	14.79	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.427	14.61	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.462	14.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.485	14.72	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.403	14.60	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.436	14.67	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.948	19.49	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.838	19.33	PASS



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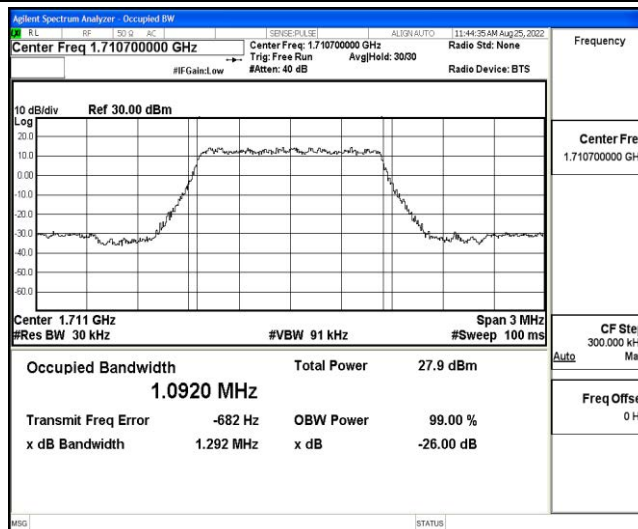
Band4	20MHz	QPSK	20300	100RB#0	17.945	19.58	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.935	19.53	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.900	19.32	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.905	19.50	PASS



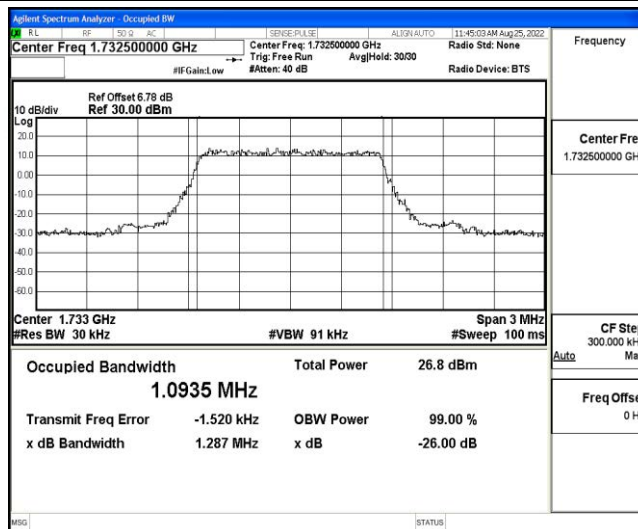


Test Graphs

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



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



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

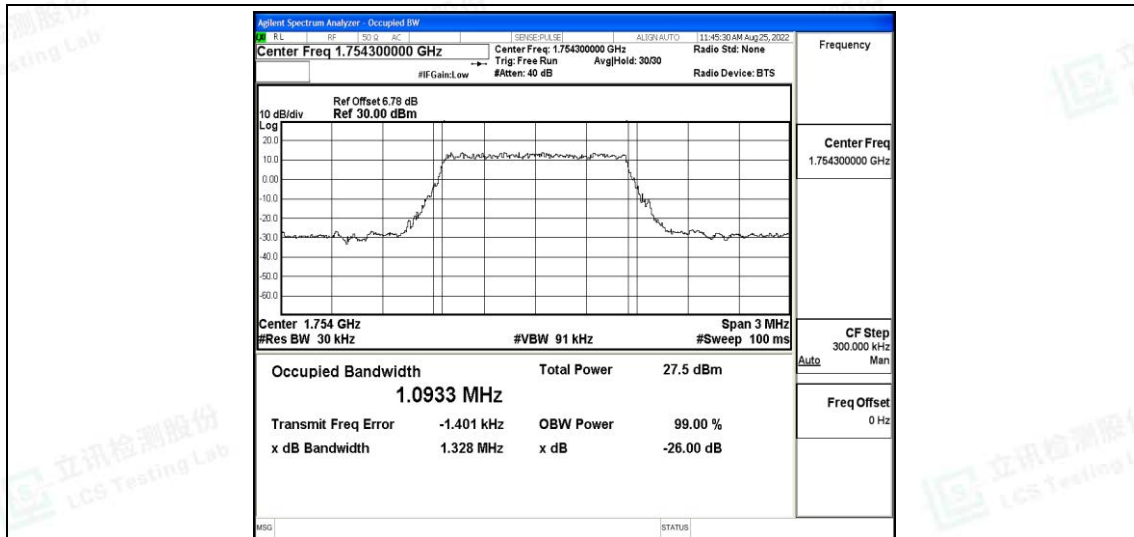


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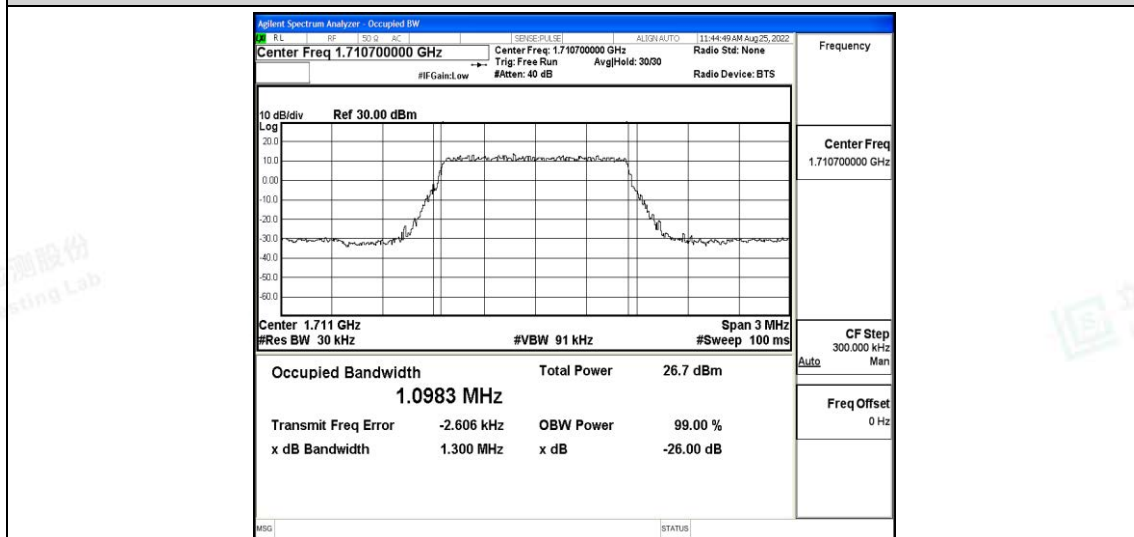
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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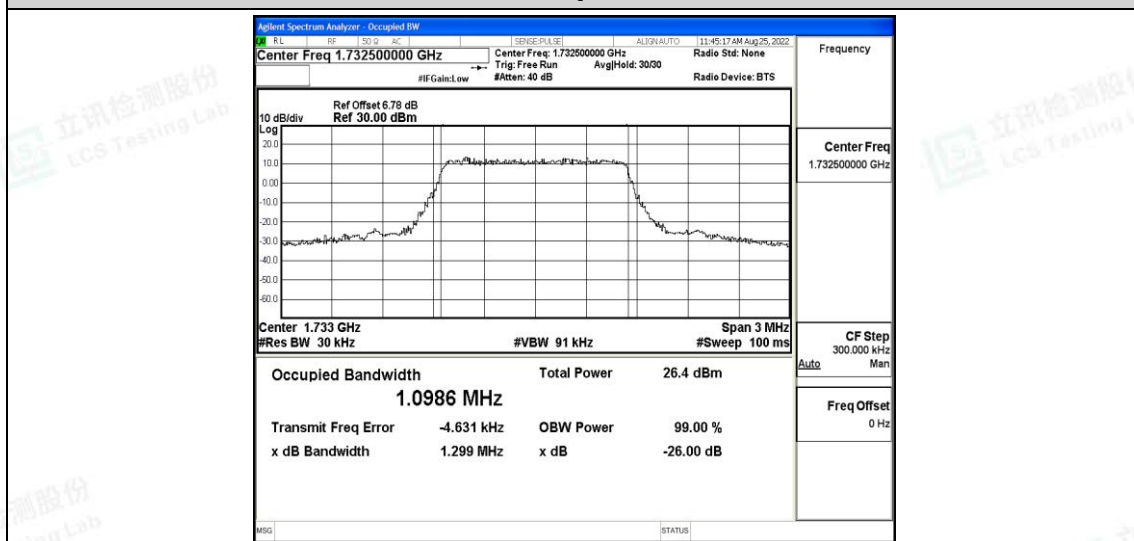
Scan code to check authenticity



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



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



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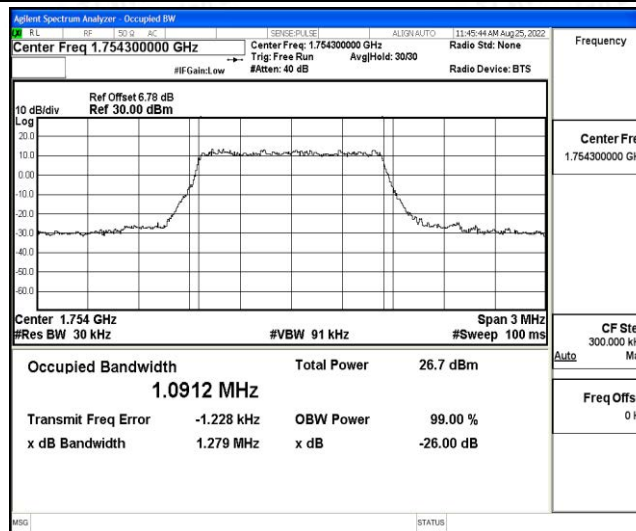
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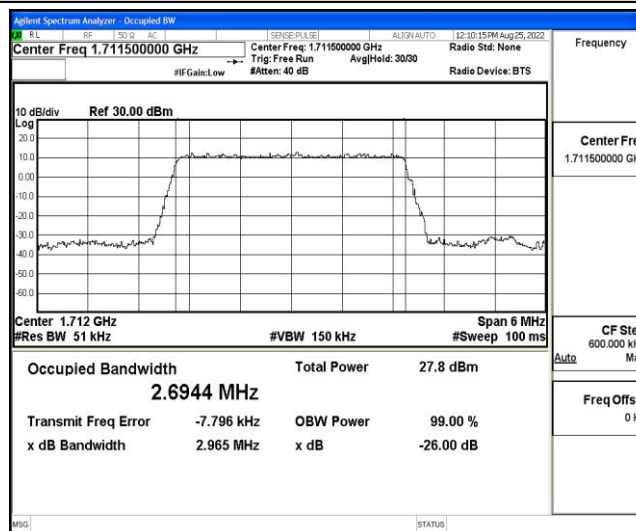
Scan code to check authenticity



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



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



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

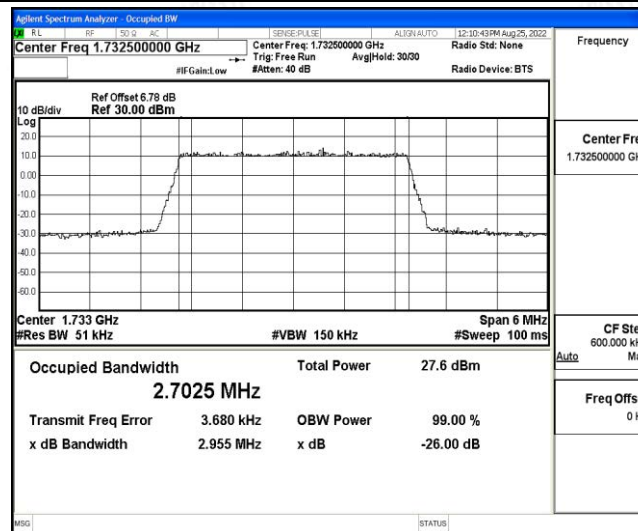


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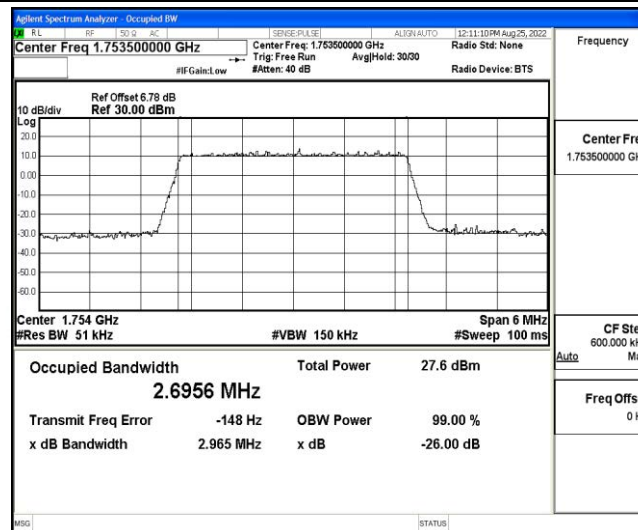
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

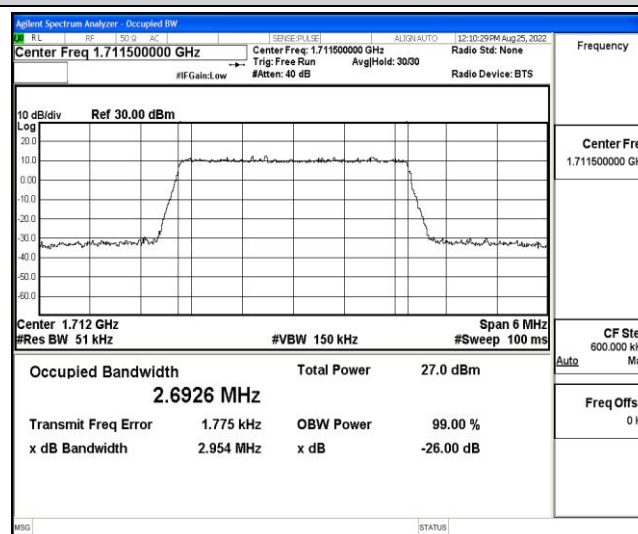
Scan code to check authenticity



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



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



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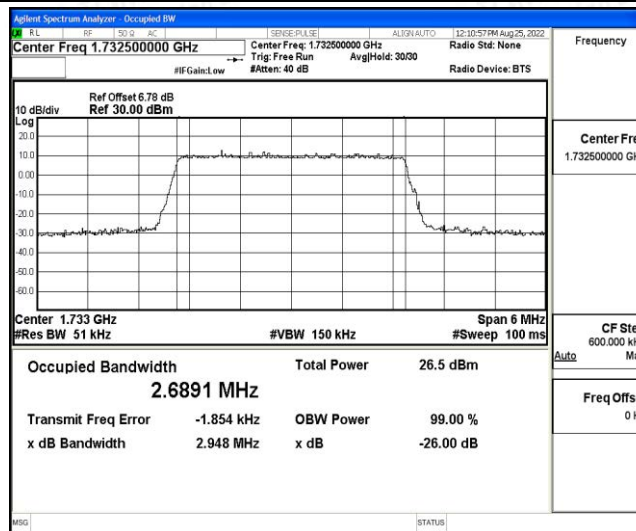
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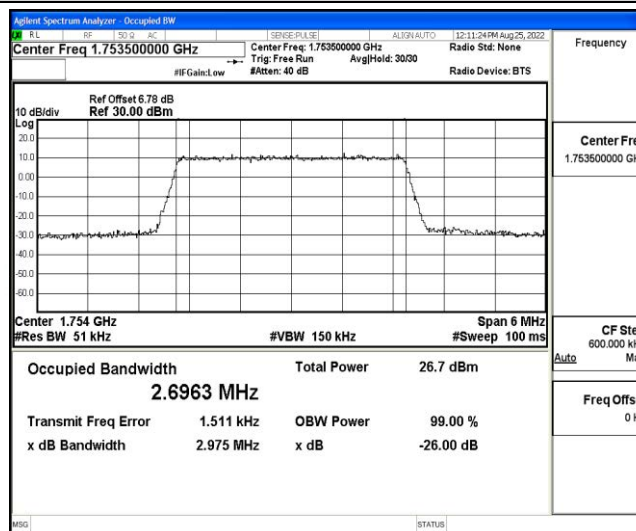
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Band4-3MHz-16QAM-20175-15RB#0



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



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

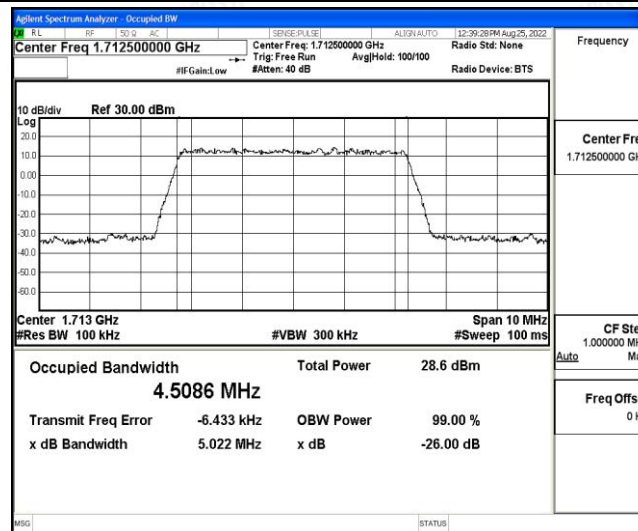


Shenzhen LCS Compliance Testing Laboratory Ltd.

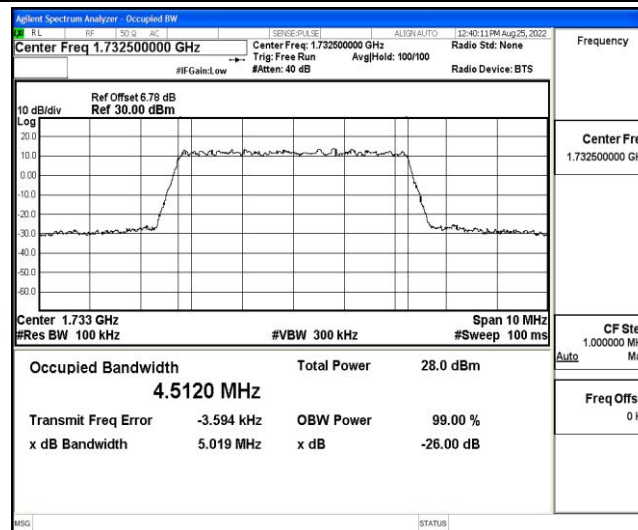
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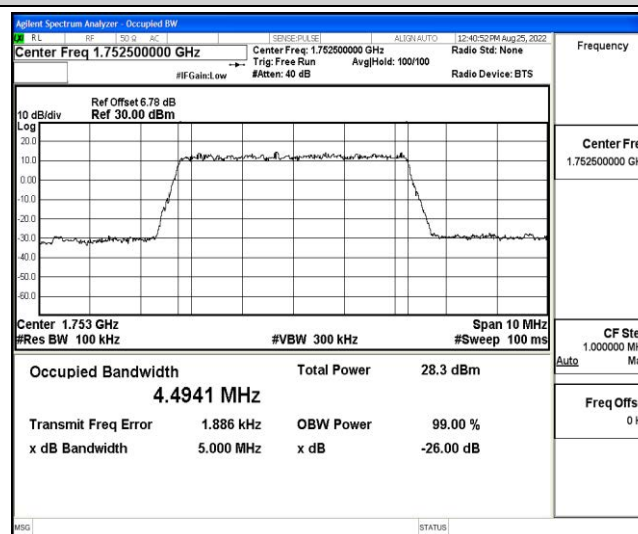
Scan code to check authenticity



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

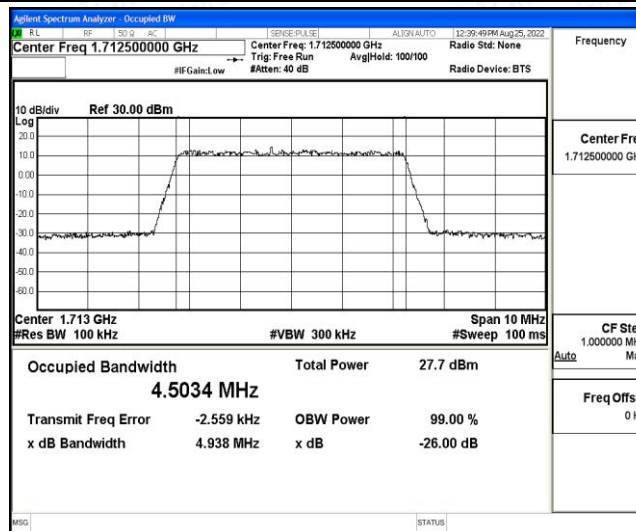
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

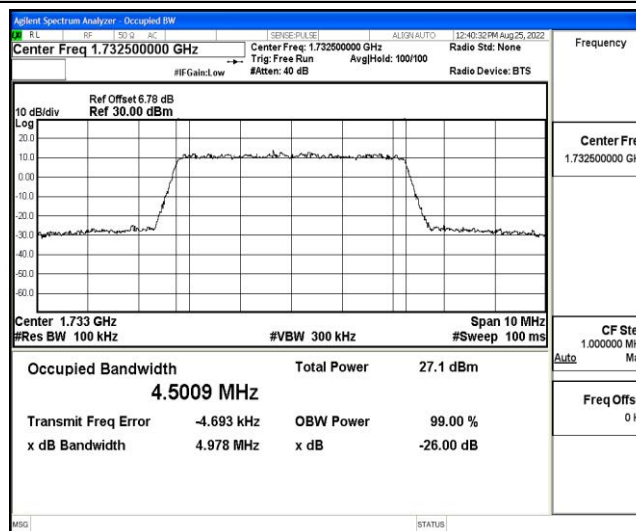
Scan code to check authenticity



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



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



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

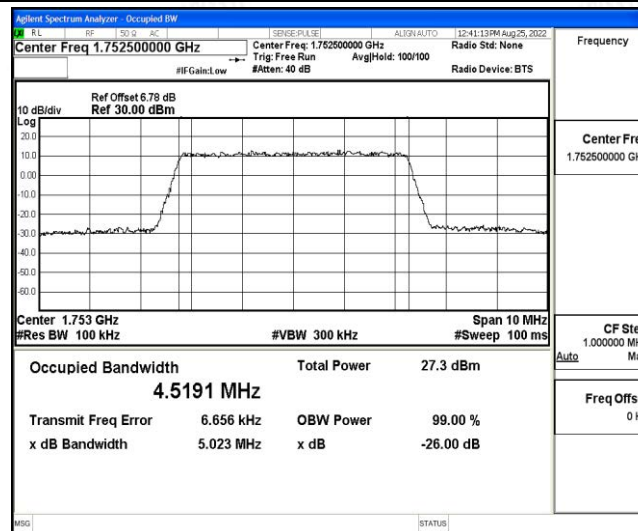


Shenzhen LCS Compliance Testing Laboratory Ltd.

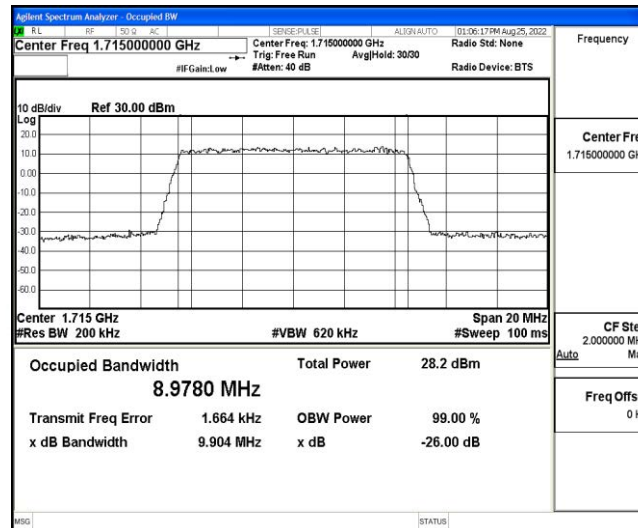
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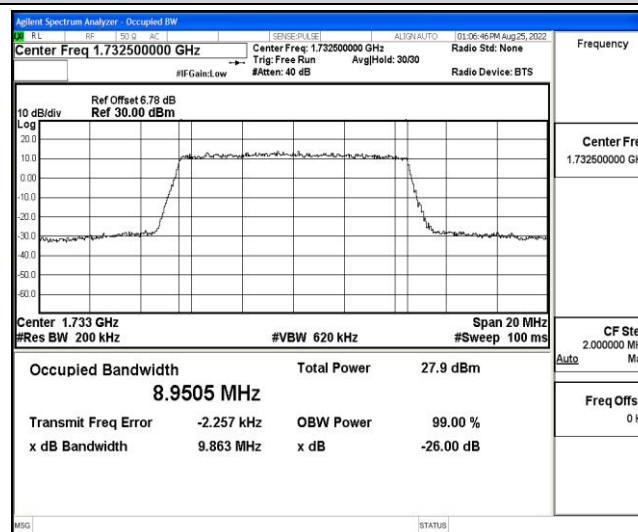
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Band4-10MHz-QPSK-20000-50RB#0



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

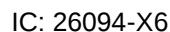


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Agilent Spectrum Analyzer - Occupied BW

RL RF 50.0 AC [SENSE:FLUX] ALIGN: AUTO 10:07:13 PM Aug 25, 2022

Center Freq 1.750000000 GHz

Center Freq: 1.750000000 GHz
 Trig: Free Run Avg/Hold: 30/30
 #IF Gain: low #Atten: 40 dB Radio Device: BTS

Frequency

Center Freq: 1.750000000 GHz

10 dB/div
 Ref Offset 6.78 dB
 Ref 30.00 dBm

Center 1.75 GHz
 #Res BW 200 kHz
 #VBW 620 kHz
 Span 20 MHz
 #Sweep 100 ms

Occupied Bandwidth

2.8904 MHz

Total Power

28.3 dBm

Transmit Freq Error

-2.643 kHz

OBW Power

99.00 %

x dB Bandwidth

9.910 MHz

x dB

-26.00 dB

Auto

CF Step: 2.0000000 MHz

Freq Offset: 0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Occupied BW

RL RF SFG AC [SENSE:PLANE] ALIGN: AUTO 01:06:31 PM Aug 25, 2022

Center Freq 1.715000000 GHz Center Freq: 1.715000000 GHz Radio Std: None

HF Gate: low Trig Freq: 40 Hz Avg/Hold: 30.00

#Atten: -40 dB Radio Device: BTS

10 dB/div Ref 30.00 dBm

Center 1.715 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 100 ms

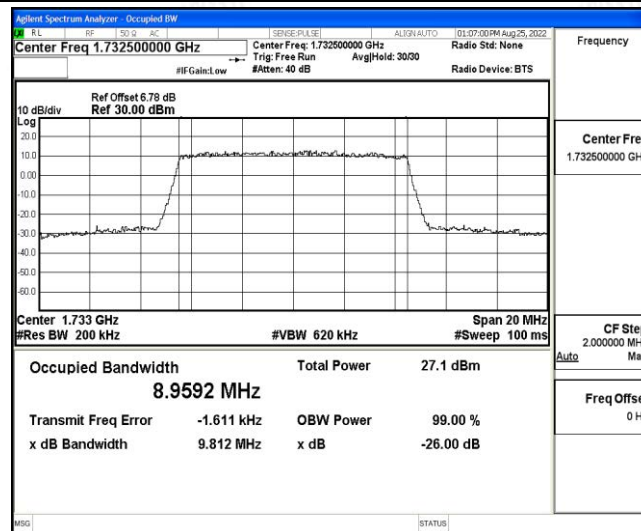
Occupied Bandwidth	Total Power	27.7 dBm
2.9689 MHz		
Transmit Freq Error	-577 Hz	OBW Power 99.00 %
x dB Bandwidth	9.849 MHz	x dB -26.00 dB

Auto

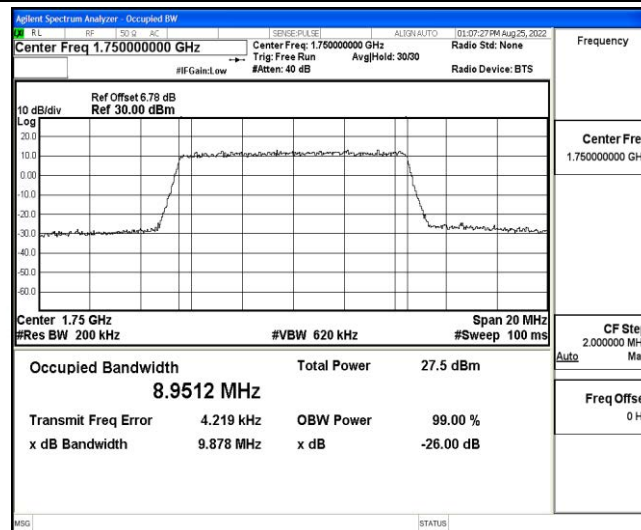
Freq Offset 0 Hz

MISO STATUS

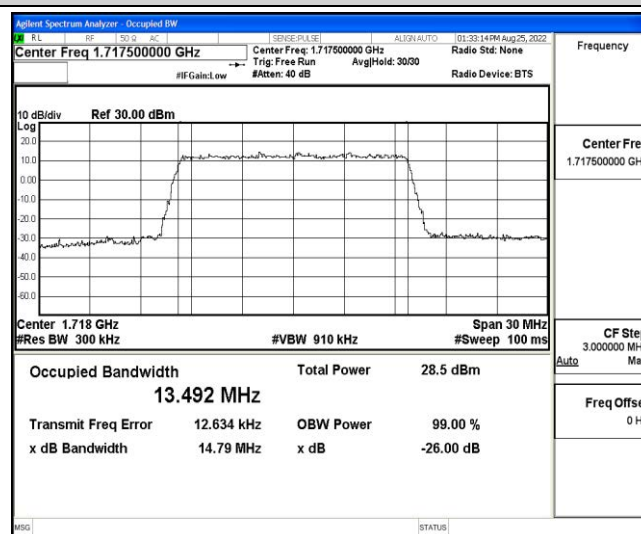
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Band4-10MHz-16QAM-20350-50RB#0



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



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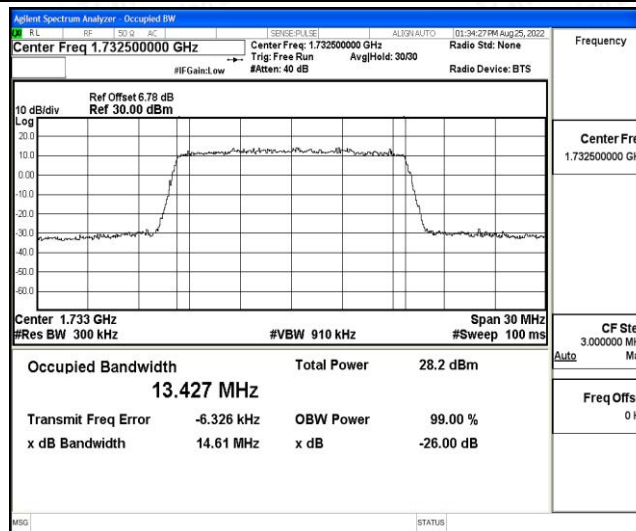
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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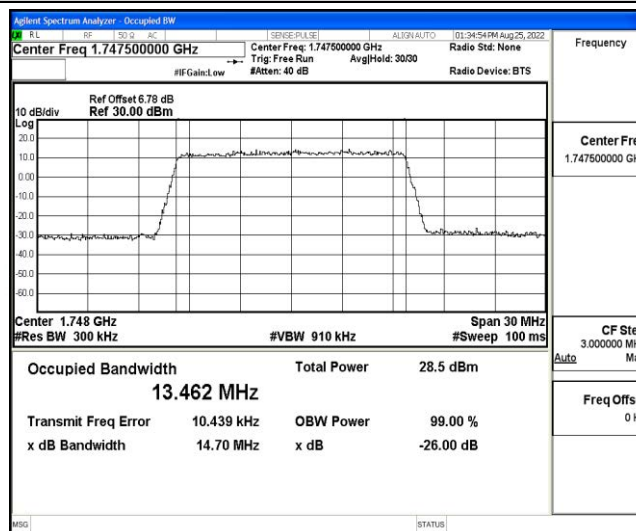
Scan code to check authenticity



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



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



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

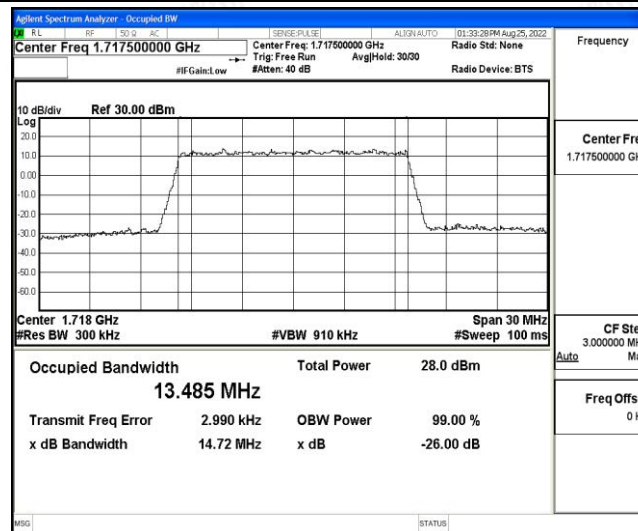


Shenzhen LCS Compliance Testing Laboratory Ltd.

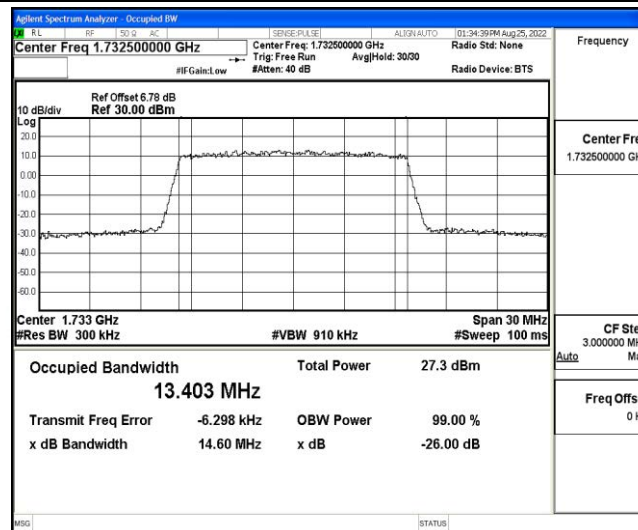
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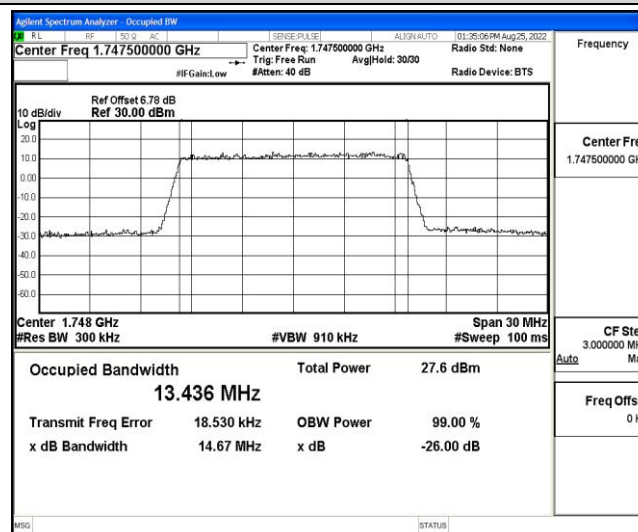
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Band4-15MHz-16QAM-20175-75RB#0



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

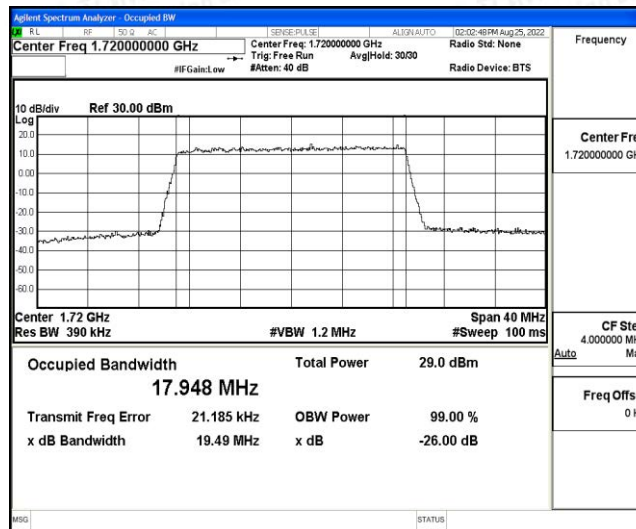
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

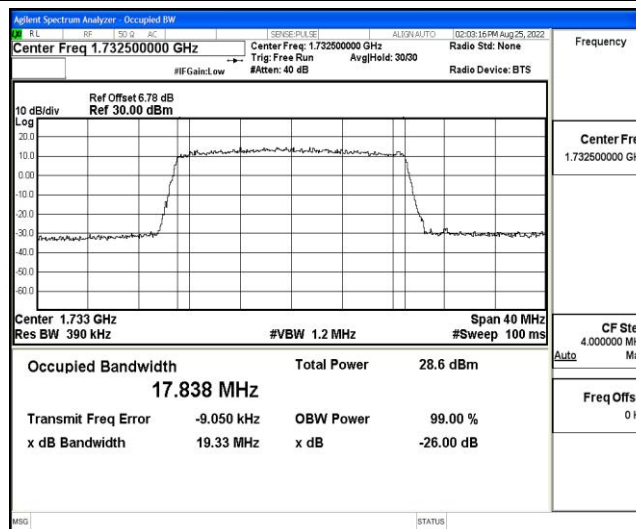
Scan code to check authenticity



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



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



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

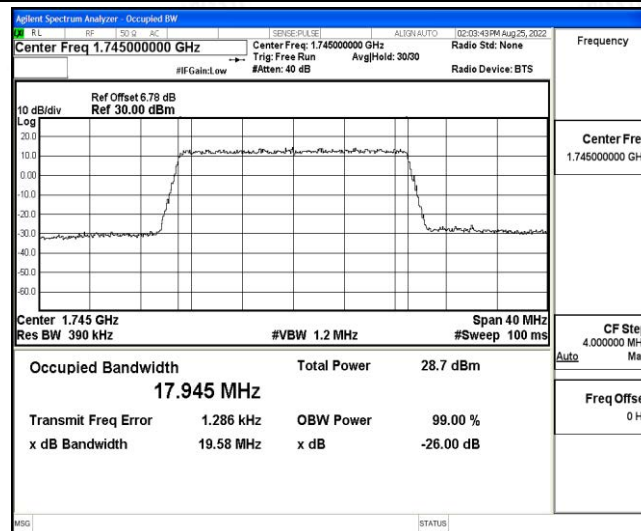


Shenzhen LCS Compliance Testing Laboratory Ltd.

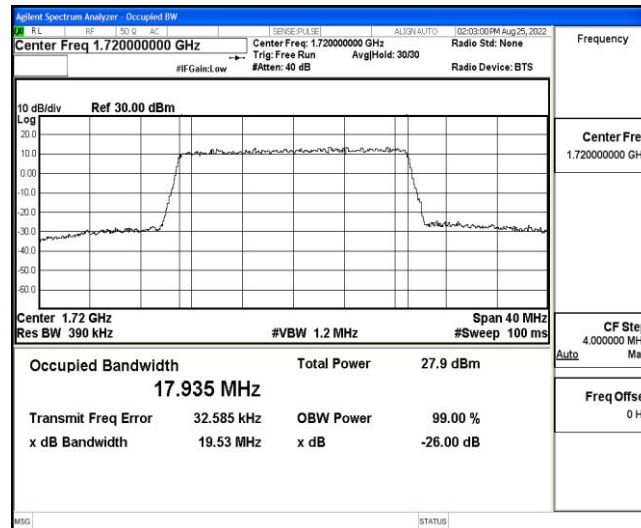
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

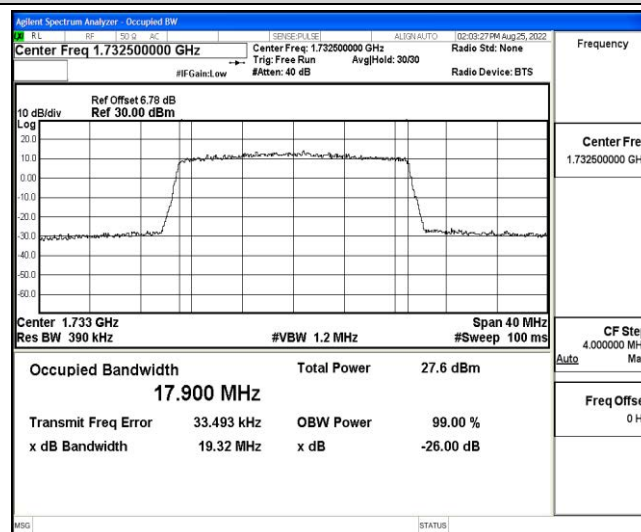
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Band4-20MHz-16QAM-20050-100RB#0



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

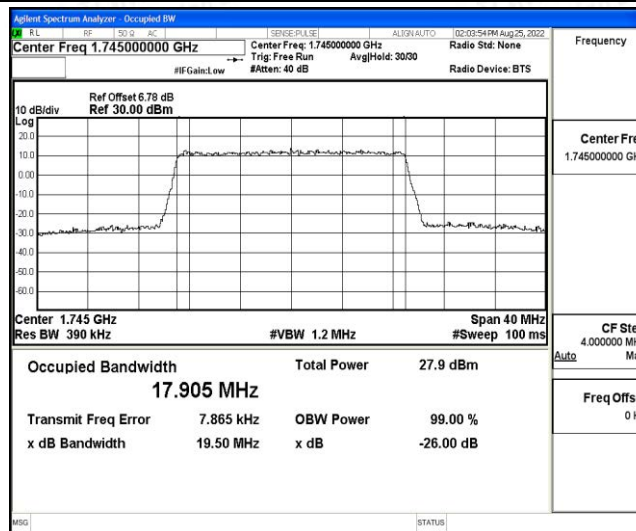
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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



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E.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-31.57	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-29.55	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-31.34	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-30.31	PASS
Band4	3MHz	QPSK	19965	15RB#0	-28.21	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.40	PASS
Band4	3MHz	16QAM	19965	15RB#0	-29.94	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.52	PASS
Band4	5MHz	QPSK	19975	25RB#0	-28.03	PASS
Band4	5MHz	QPSK	20375	25RB#0	-27.49	PASS
Band4	5MHz	16QAM	19975	25RB#0	-29.36	PASS
Band4	5MHz	16QAM	20375	25RB#0	-28.55	PASS
Band4	10MHz	QPSK	20000	50RB#0	-31.98	PASS
Band4	10MHz	QPSK	20350	50RB#0	-31.47	PASS
Band4	10MHz	16QAM	20000	50RB#0	-32.76	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.22	PASS
Band4	15MHz	QPSK	20025	75RB#0	-34.44	PASS
Band4	15MHz	QPSK	20325	75RB#0	-32.49	PASS
Band4	15MHz	16QAM	20025	75RB#0	-34.94	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.96	PASS
Band4	20MHz	QPSK	20050	100RB#0	-37.32	PASS
Band4	20MHz	QPSK	20300	100RB#0	-34.03	PASS
Band4	20MHz	16QAM	20050	100RB#0	-36.47	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.50	PASS

Test Graphs

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

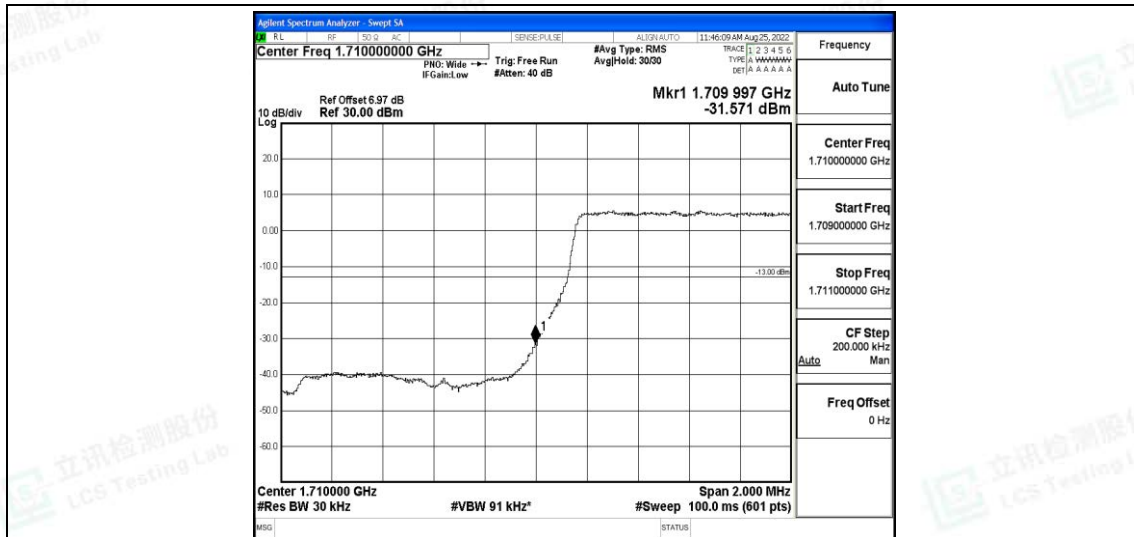


Shenzhen LCS Compliance Testing Laboratory Ltd.

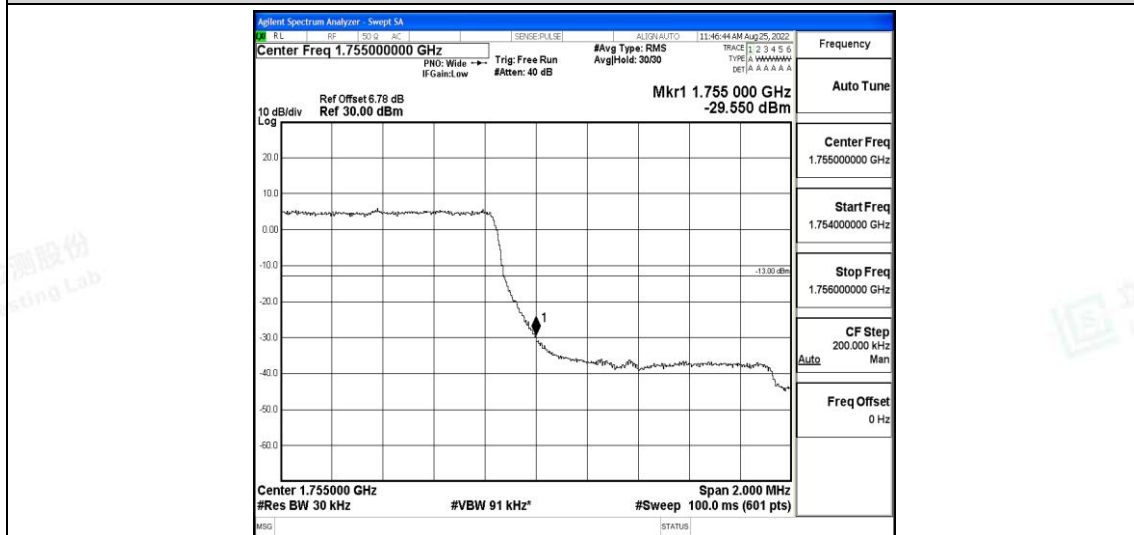
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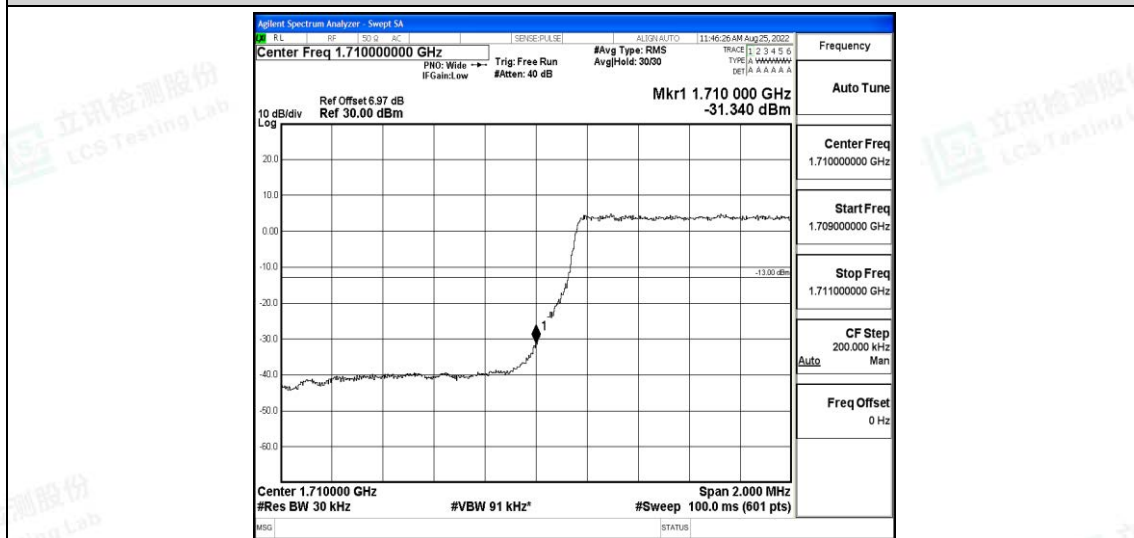
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Band4-1.4MHz-QPSK-20393-6RB#0



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



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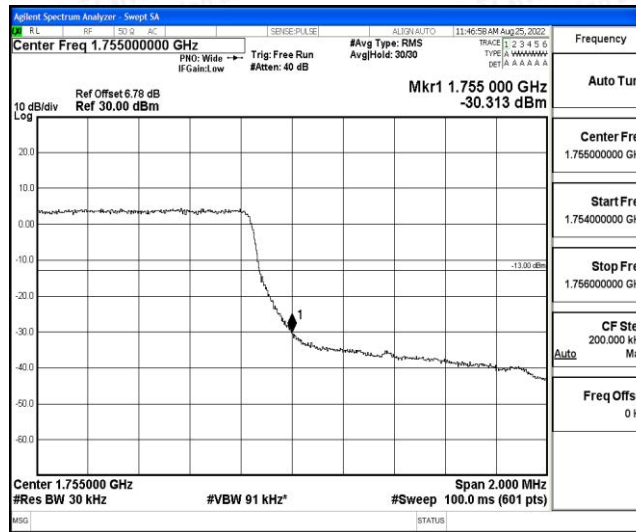
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

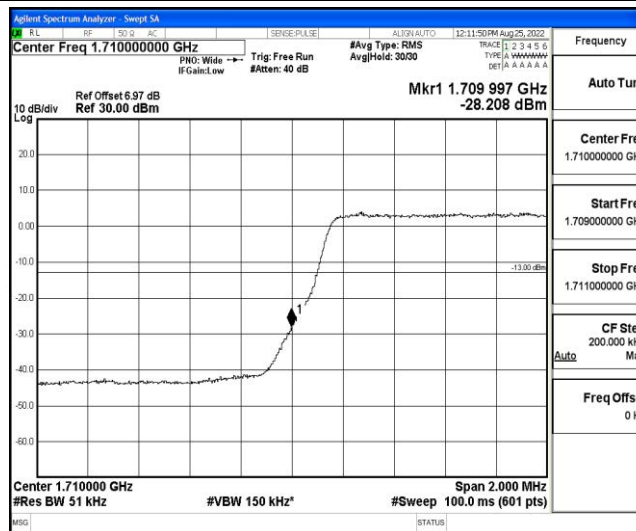
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Band4-1.4MHz-16QAM-20393-6RB#0



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



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

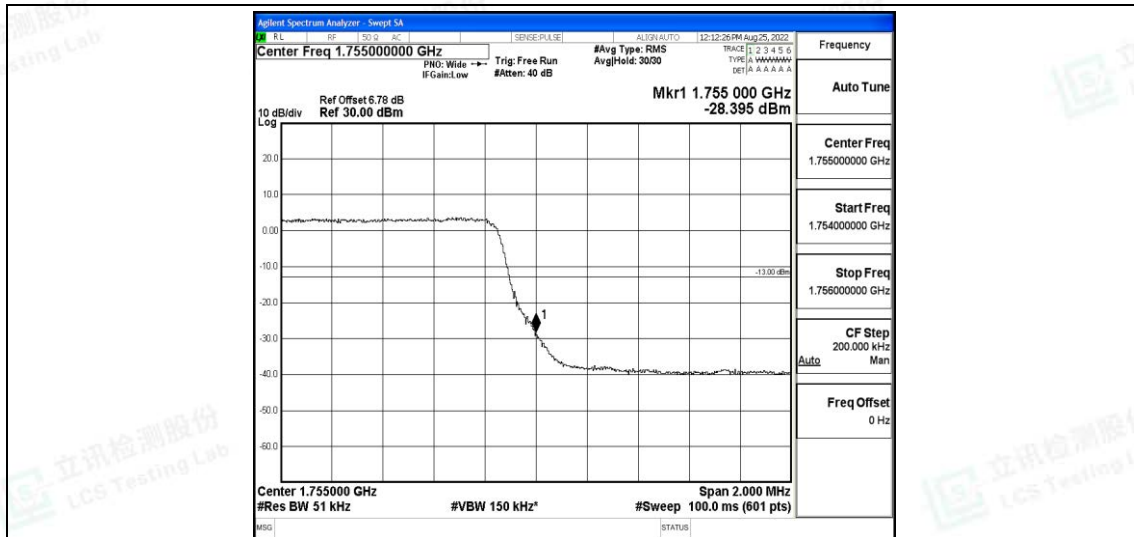


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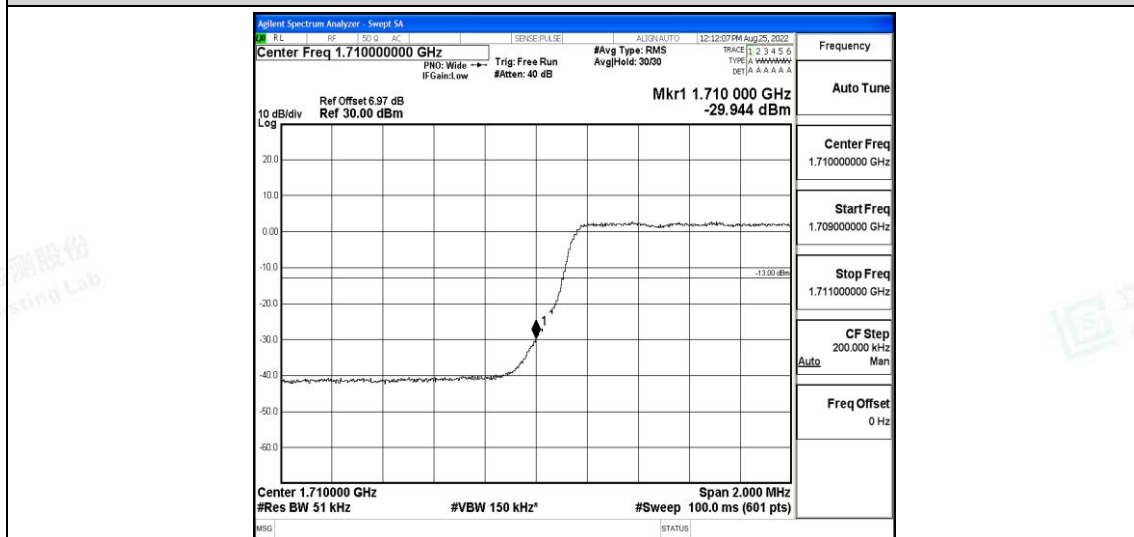
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

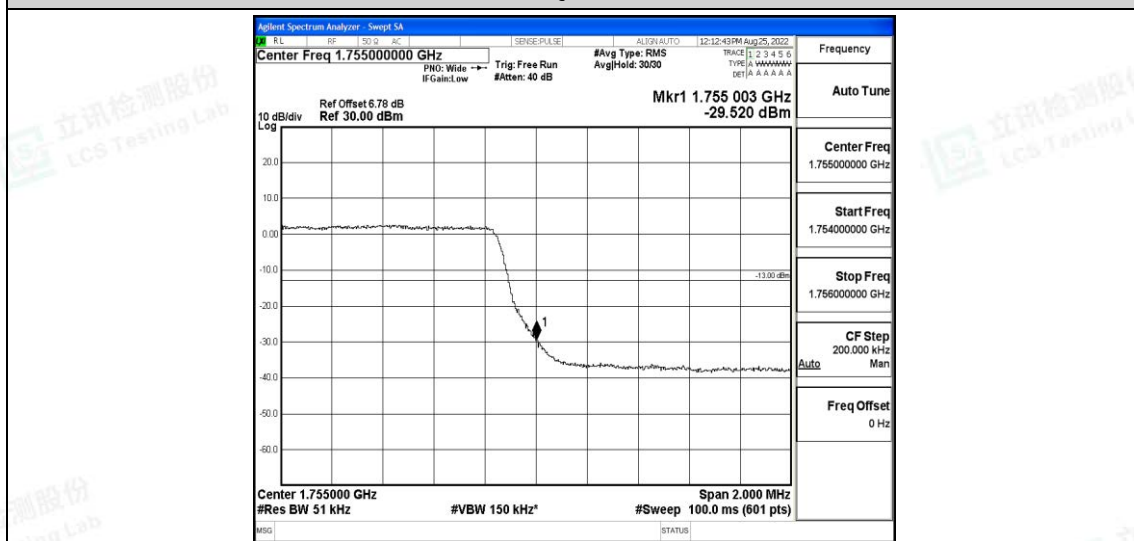
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Band4-3MHz-16QAM-19965-15RB#0



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

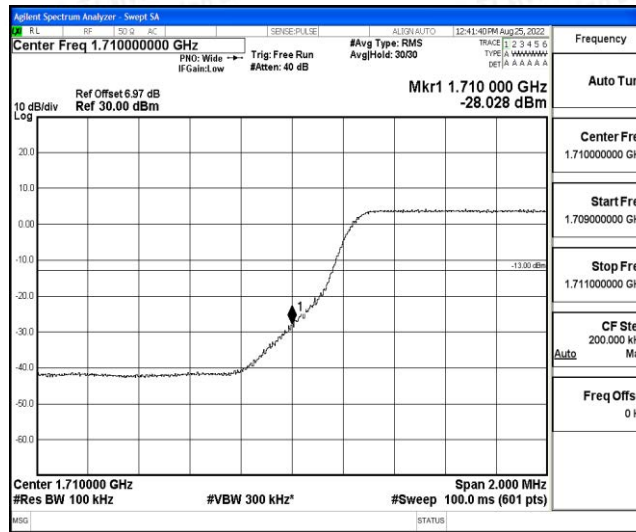
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

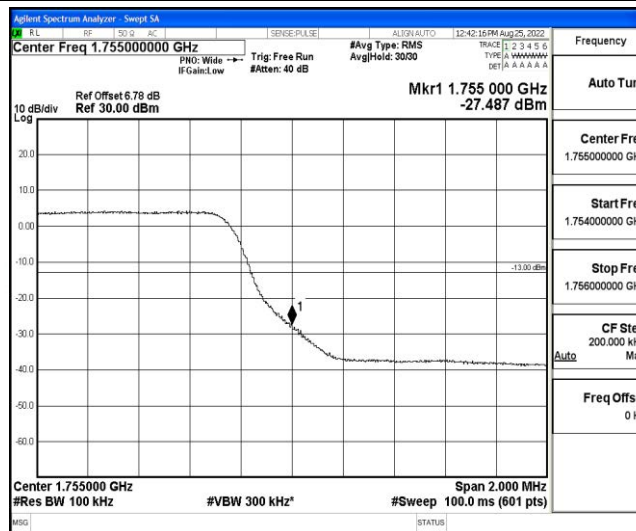
Scan code to check authenticity



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



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



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

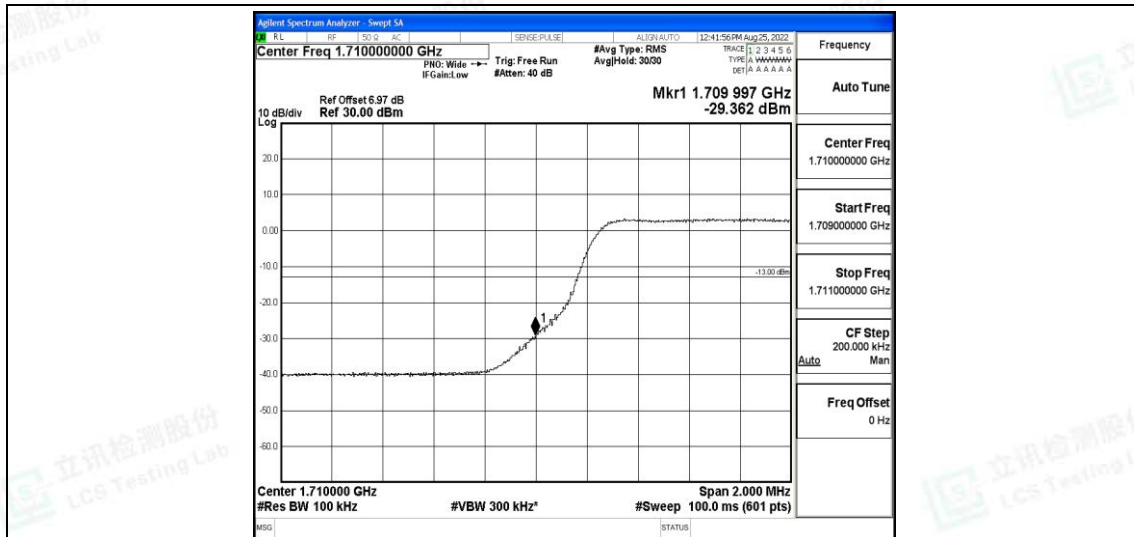


Shenzhen LCS Compliance Testing Laboratory Ltd.

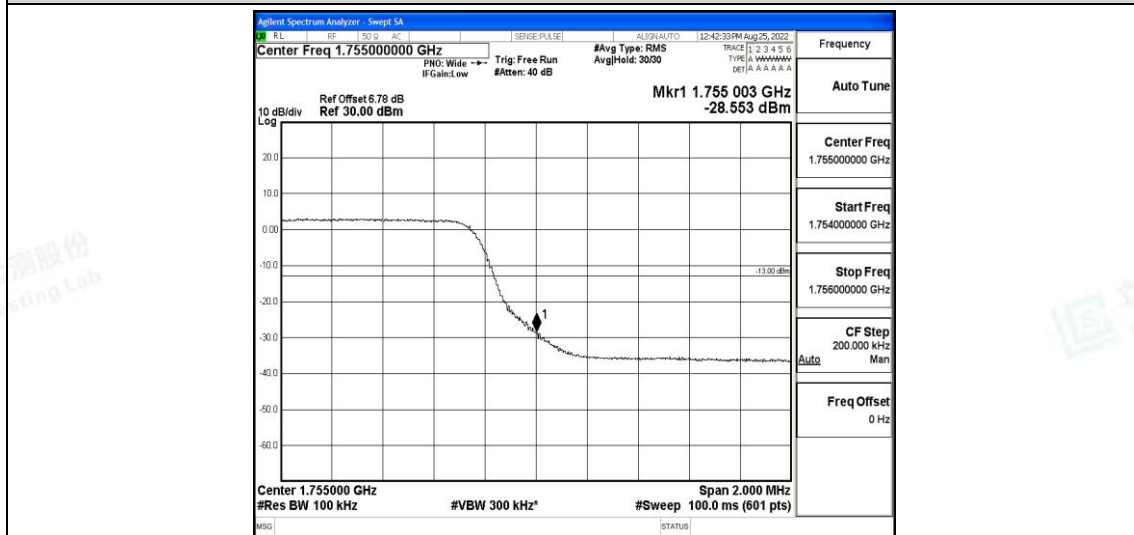
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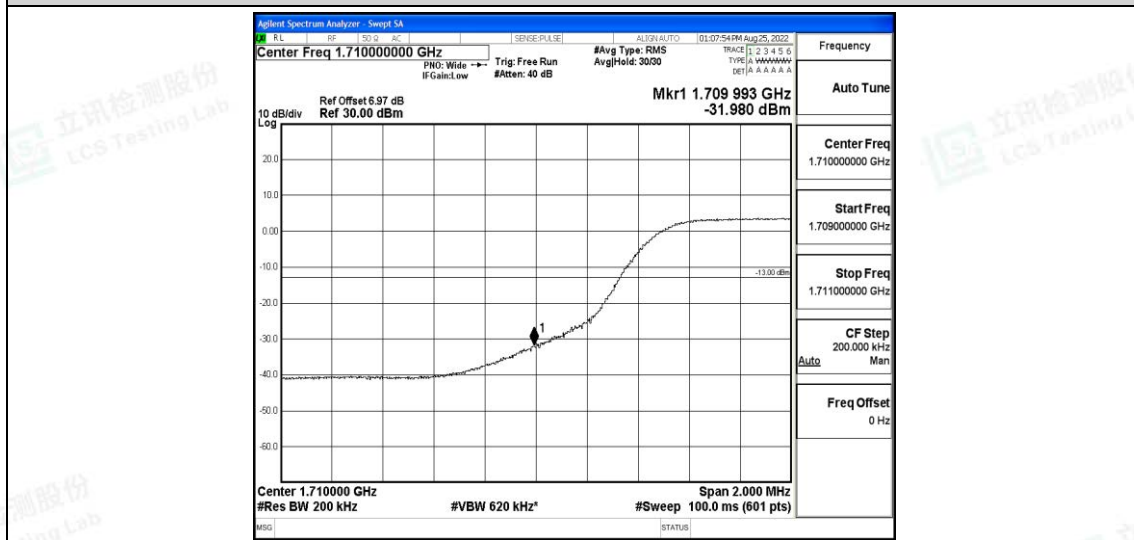
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Band4-5MHz-16QAM-20375-25RB#0



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

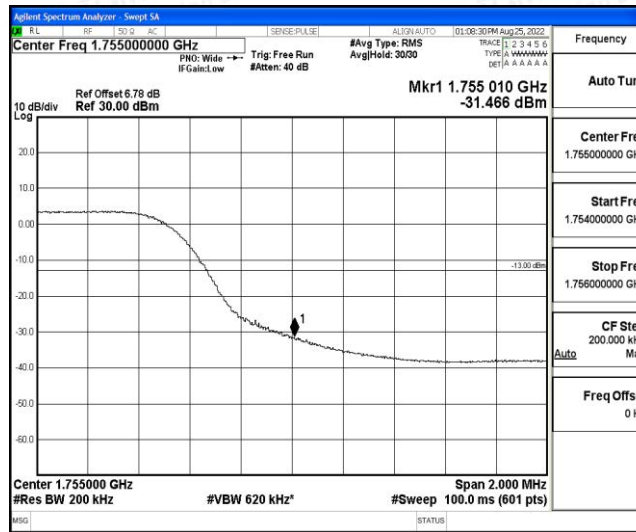
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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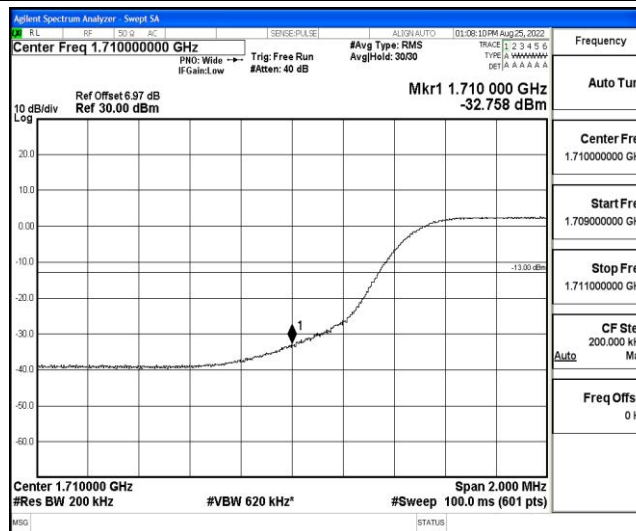
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Band4-10MHz-QPSK-20350-50RB#0



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



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



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