



Appendix I Test Data for E-UTRA Band 4

Product Name: Handheld Controller

Test Model: iHand55

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
	<i>Nick Peng</i>
Supervised by:	Ling Zhu
	<i>Ling Zhu</i>



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I.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.51	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.76	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.52	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.73	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.51	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.76	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.59	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.69	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.53	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.69	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.54	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.68	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.70	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.31	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.43	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.32	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.25	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.27	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.35	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.28	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.35	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.64	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.36	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.72	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.39	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.63	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.50	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.96	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.38	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.52	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.34	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.53	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.44	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.52	PASS



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Band4	1.4MHz	16QAM	20393	3RB#0	21.25	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.51	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.27	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.50	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.28	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.69	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.02	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.49	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.90	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.49	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.94	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.40	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.83	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.75	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.10	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.78	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.10	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.70	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.11	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.76	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.12	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.39	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.29	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.36	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.24	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.36	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.22	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.46	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.99	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.45	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.98	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.41	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.96	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.51	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.69	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.30	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.65	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.44	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.62	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.46	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.62	PASS



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Band4	3MHz	QPSK	20385	8RB#0	21.74	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.96	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.66	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.04	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.78	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.04	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.65	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.88	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.60	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.39	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.50	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.27	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.50	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.32	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.80	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.08	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.74	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.07	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.76	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.07	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.72	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.11	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.22	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.19	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.90	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.19	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.92	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.47	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.86	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.47	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.86	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.52	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.80	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.57	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.67	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.33	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.16	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.38	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.19	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.41	PASS



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Band4	5MHz	16QAM	20375	1RB#24	21.25	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.79	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.97	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.71	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.94	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.68	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.93	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.68	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.01	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.52	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.97	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.37	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.90	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.36	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.91	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.79	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.69	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.71	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.75	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.06	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.36	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.73	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.28	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.74	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.28	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.67	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.48	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.01	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.47	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.51	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.97	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.44	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.87	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.07	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.39	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.10	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.47	PASS



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Band4	10MHz	QPSK	20350	1RB#49	22.19	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.56	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.61	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.83	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.65	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.84	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.69	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.91	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.74	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.94	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.41	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.95	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.35	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.88	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.34	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.81	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.63	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.64	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.64	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.64	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.64	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.64	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.64	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.02	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.04	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.86	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.87	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.72	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.99	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.75	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.48	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.46	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.45	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.45	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.45	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.44	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.44	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.82	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.07	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.29	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.16	PASS



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Band4	15MHz	16QAM	20325	1RB#38	21.39	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.25	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.52	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.67	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.66	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.66	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.66	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.66	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.66	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.66	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.86	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.93	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.79	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.83	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.76	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.66	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.48	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.71	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.08	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.74	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.08	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.57	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.98	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.61	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.04	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.37	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.28	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.26	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.16	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.16	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.03	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.49	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.94	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.58	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.93	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.56	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.89	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.51	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.92	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.71	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.13	PASS



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Band4	20MHz	QPSK	20300	1RB#49	22.66	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.31	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.83	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.28	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.57	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.90	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.50	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.89	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.68	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.02	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.55	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.94	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.13	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	4.79	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.78	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.26	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3.98	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.61	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.18	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	4.81	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.73	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.32	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	3.91	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.67	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.18	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.72	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.67	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.28	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	3.86	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.56	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.38	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	4.99	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.66	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.29	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	3.84	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	4.63	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.94	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.38	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.99	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.42	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.41	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	4.93	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.97	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.61	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.98	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.53	13	PASS



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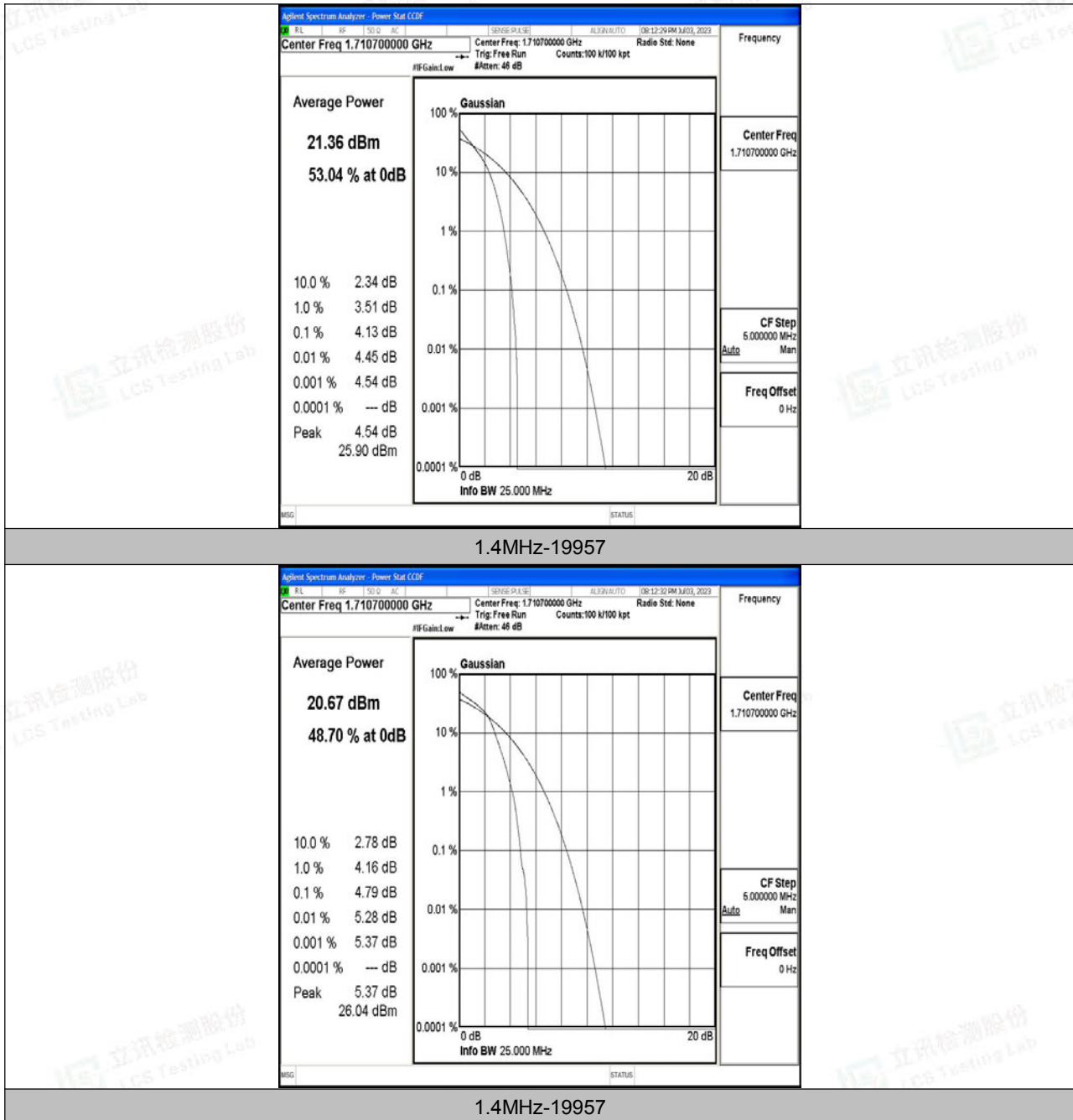


Band4	20MHz	QPSK	20300	100RB#0	4.62	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.10	13	PASS





Test Graphs

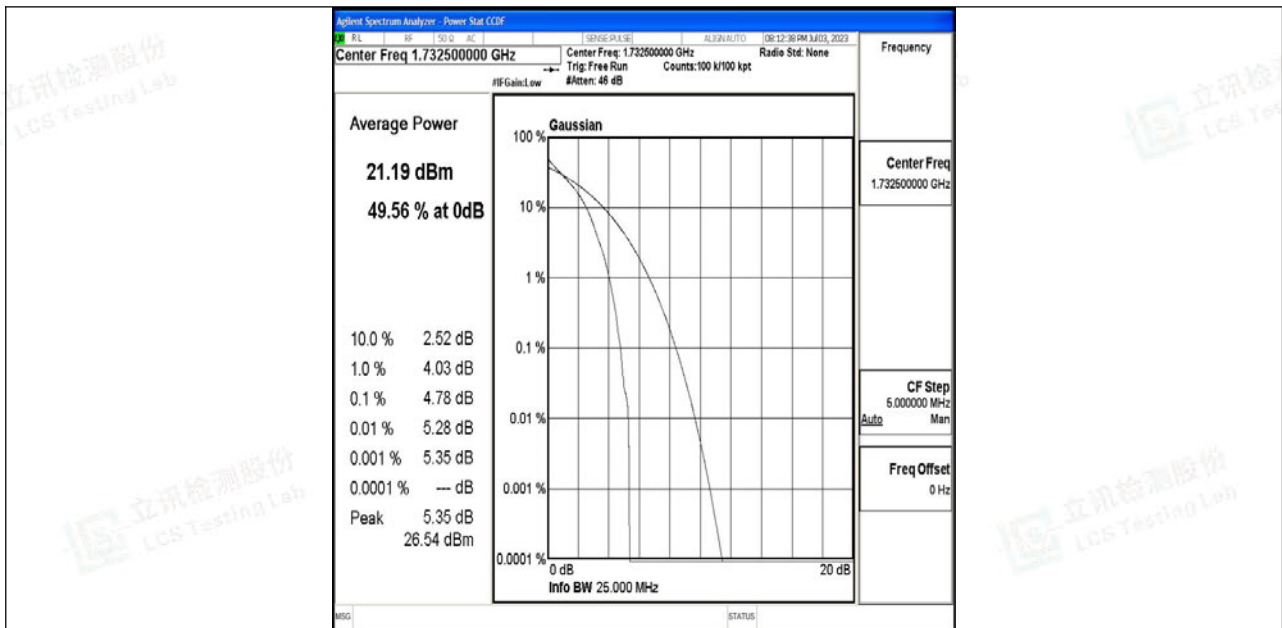


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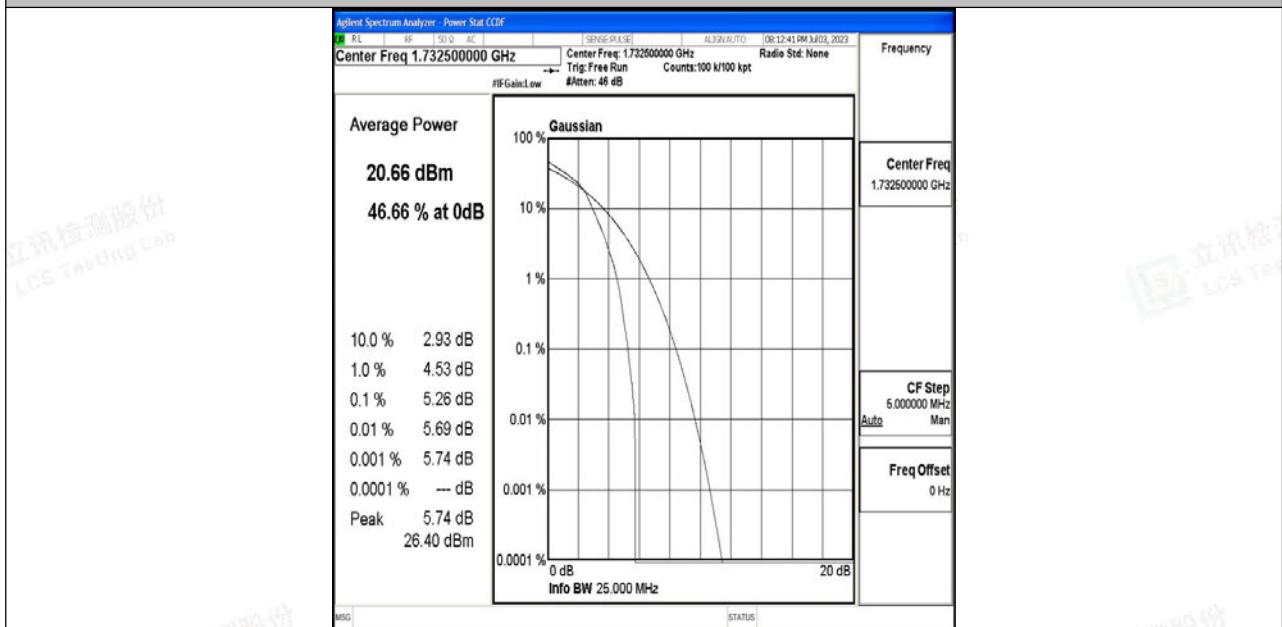
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1.4MHz-20175



1.4MHz-20175

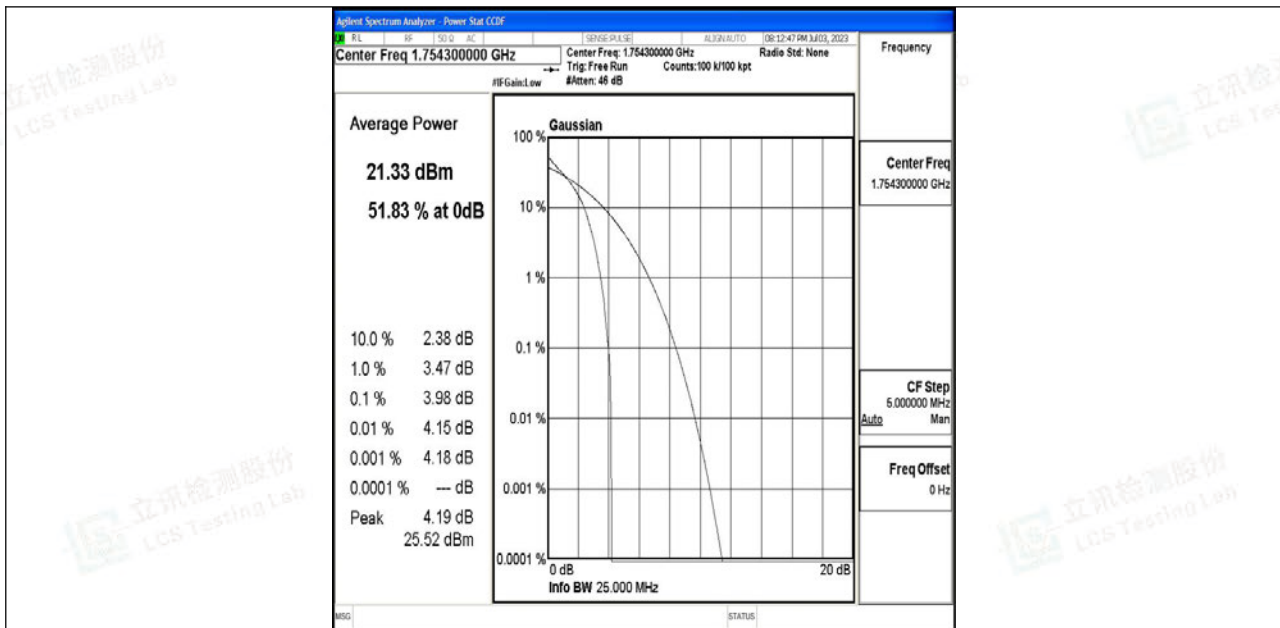


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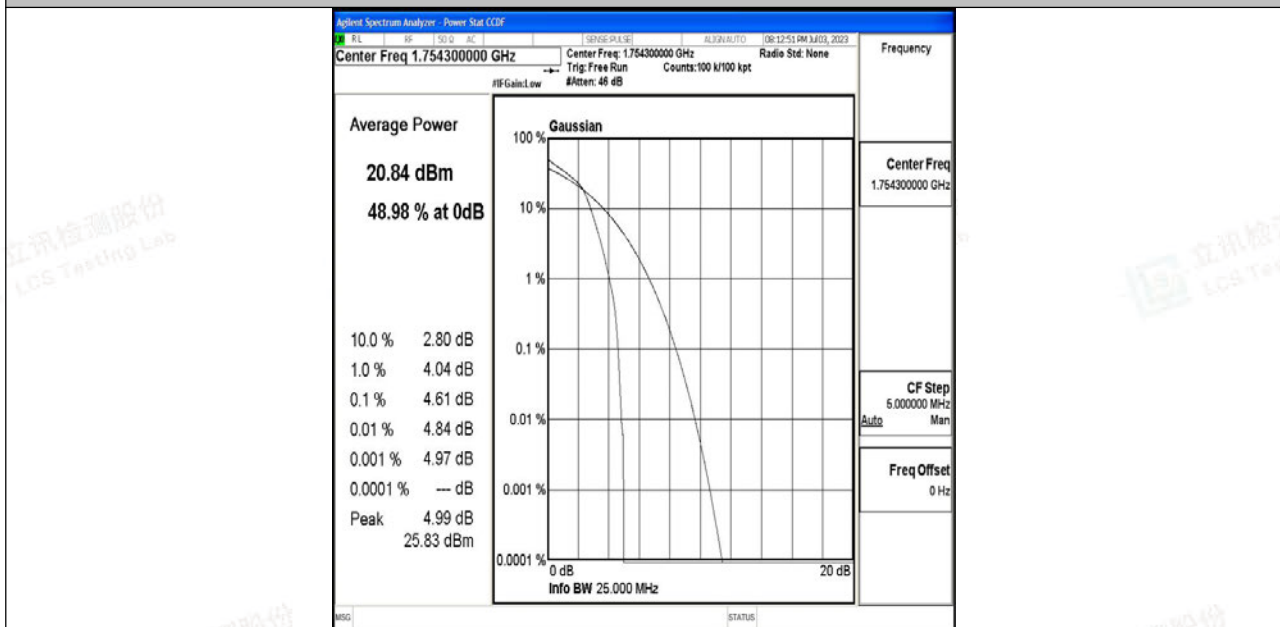
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1.4MHz-20393



1.4MHz-20393

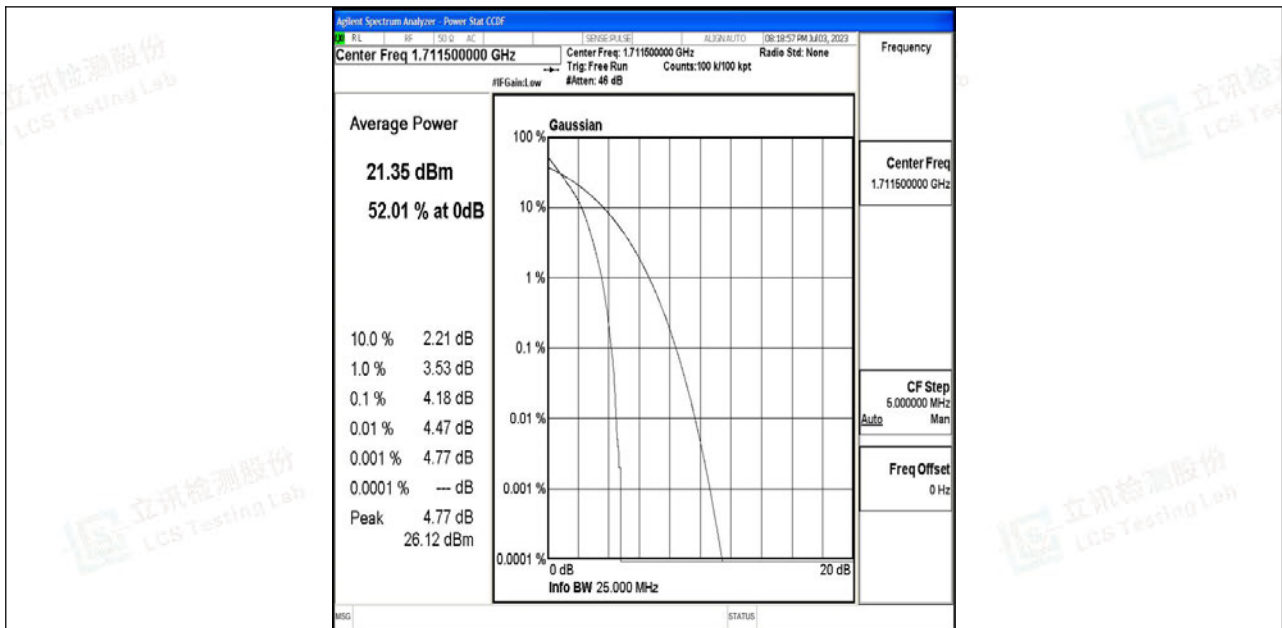


Shenzhen LCS Compliance Testing Laboratory Ltd.

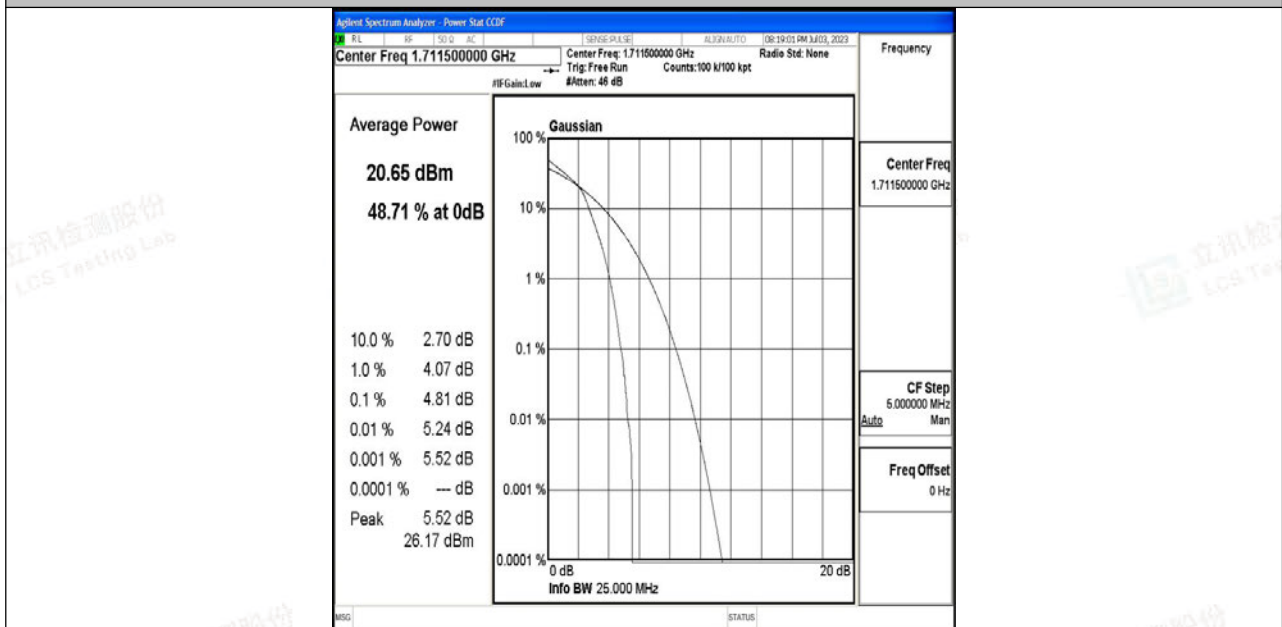
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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3MHz-19965



3MHz-19965

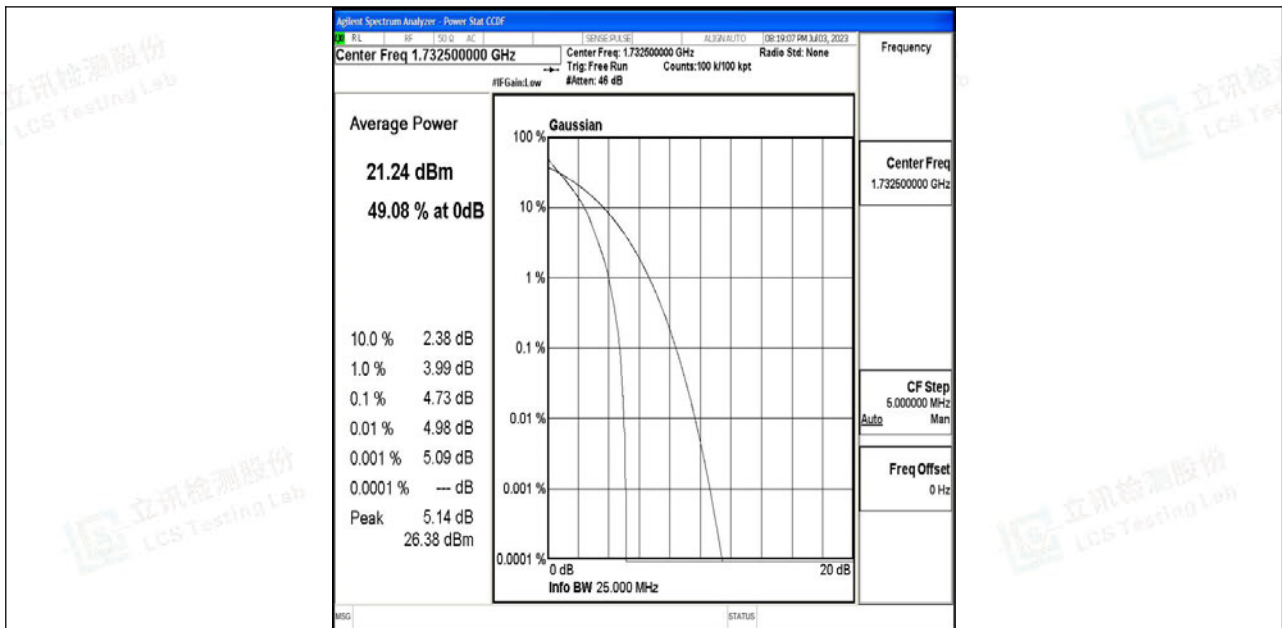


Shenzhen LCS Compliance Testing Laboratory Ltd.

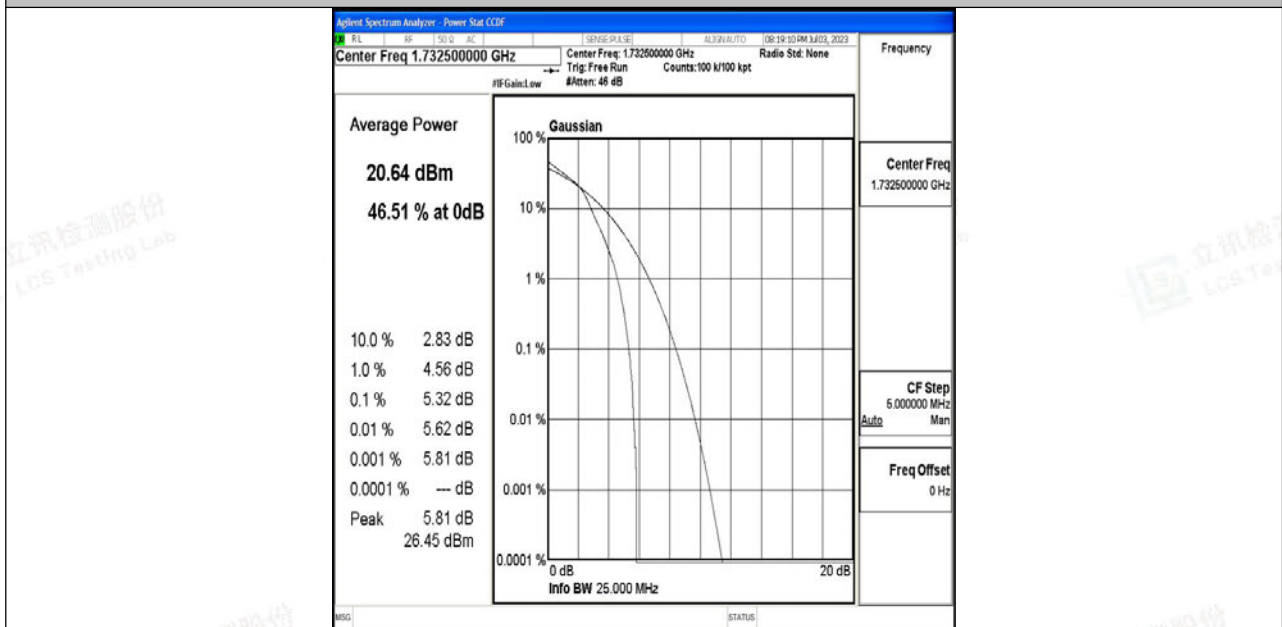
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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3MHz-20175



3MHz-20175

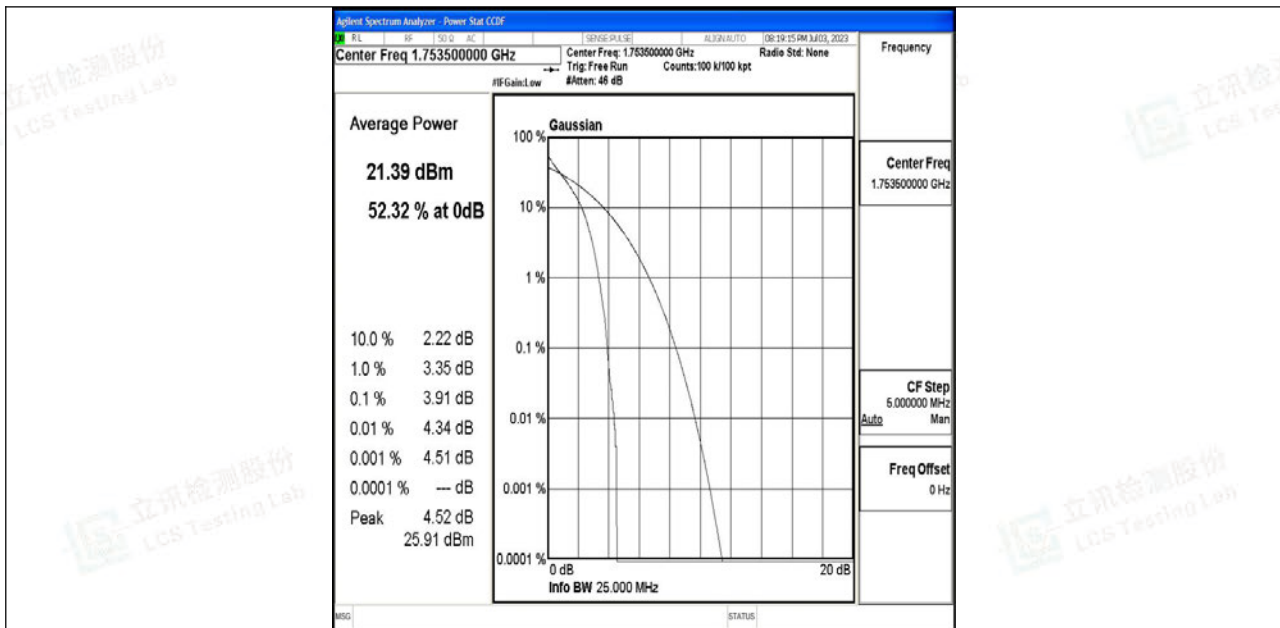


Shenzhen LCS Compliance Testing Laboratory Ltd.

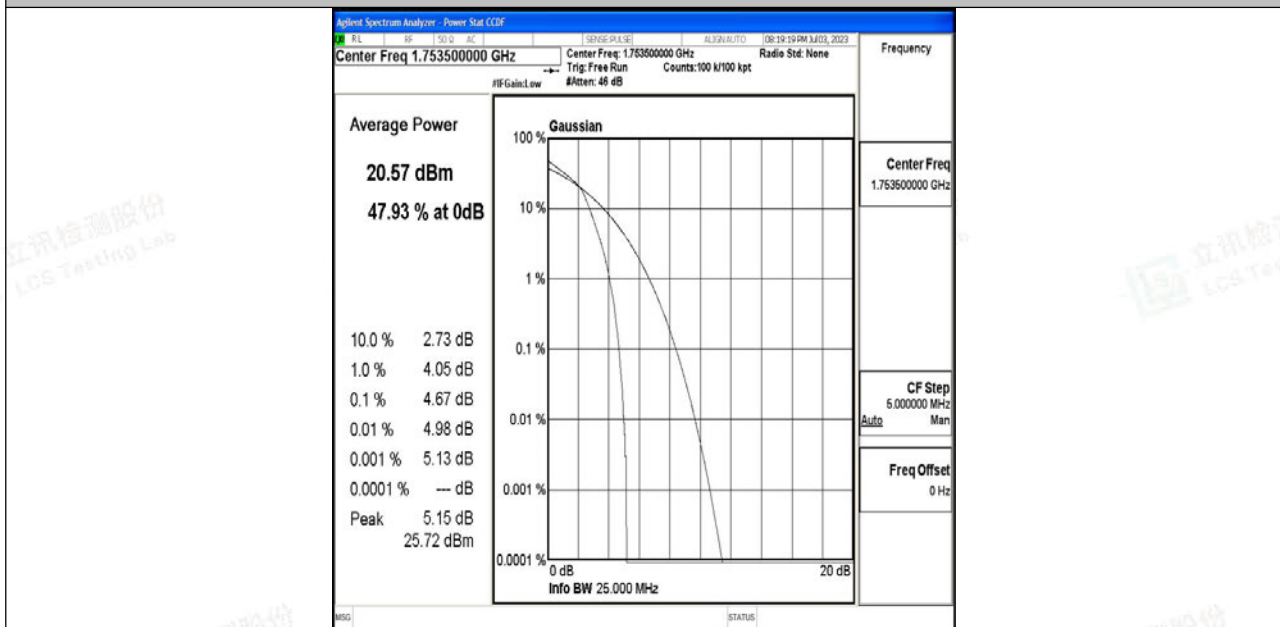
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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3MHz-20385



3MHz-20385

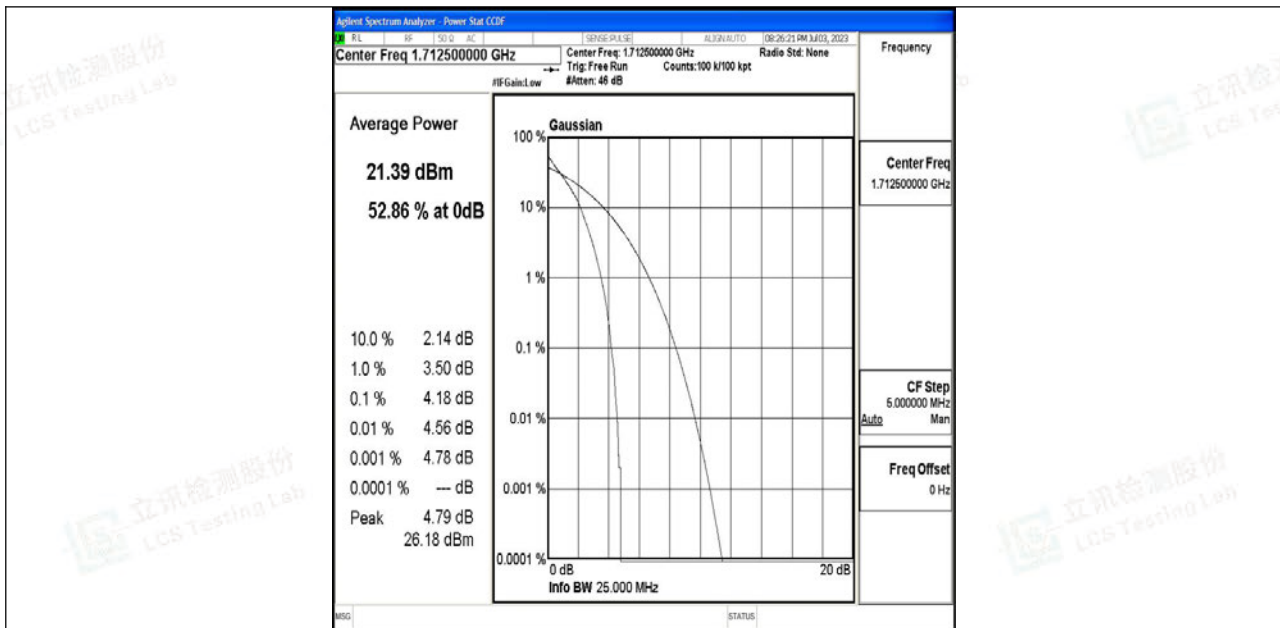


Shenzhen LCS Compliance Testing Laboratory Ltd.

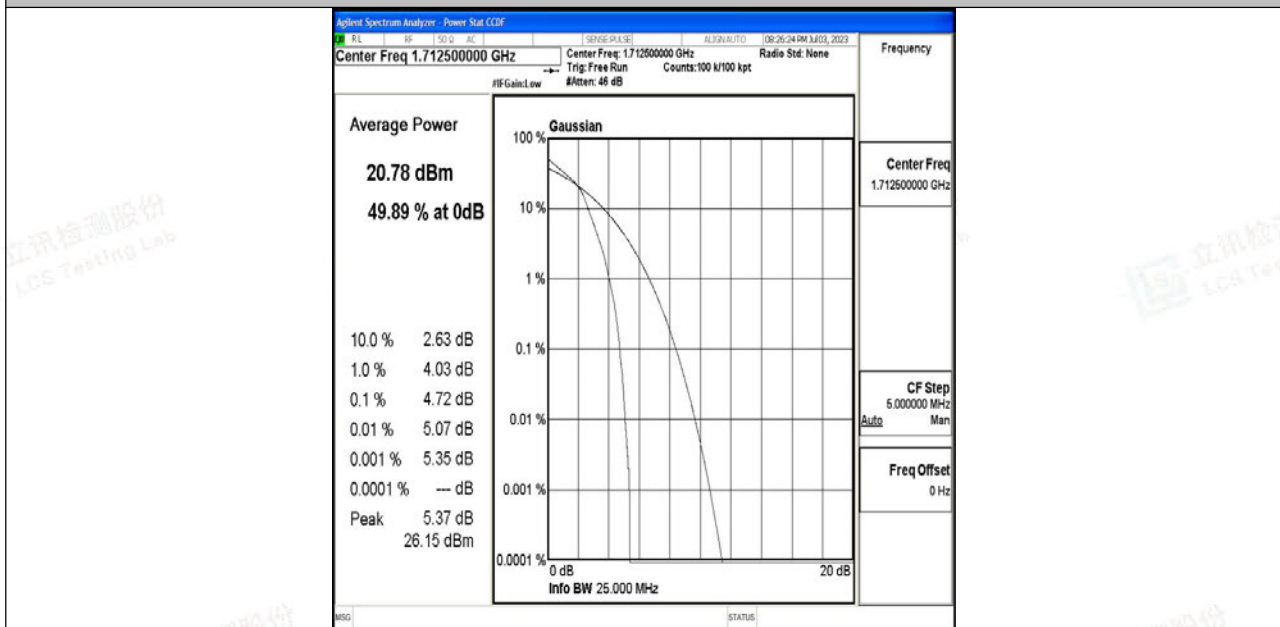
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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5MHz-19975



5MHz-19975

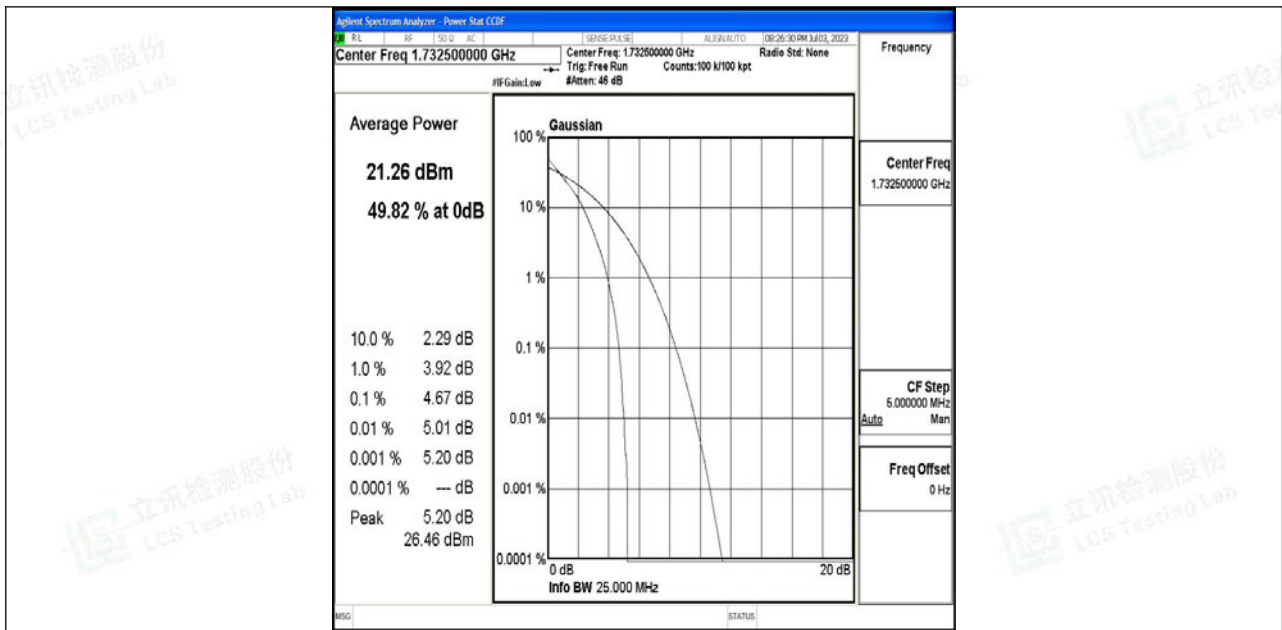


Shenzhen LCS Compliance Testing Laboratory Ltd.

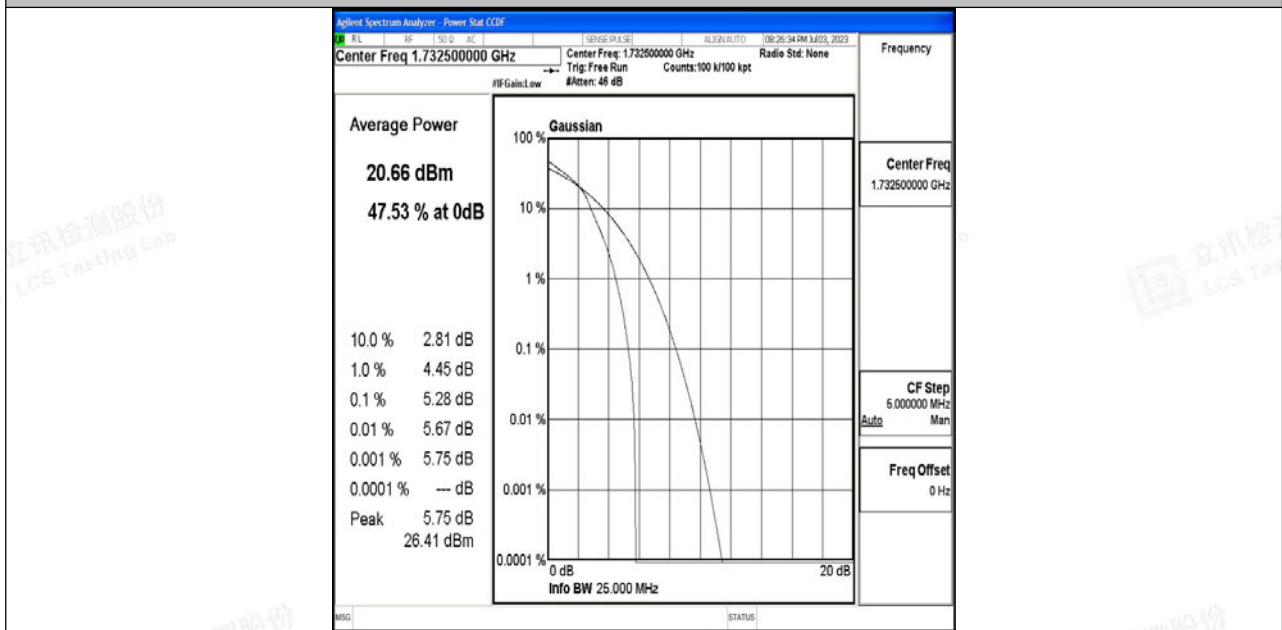
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity



5MHz-20175



5MHz-20175

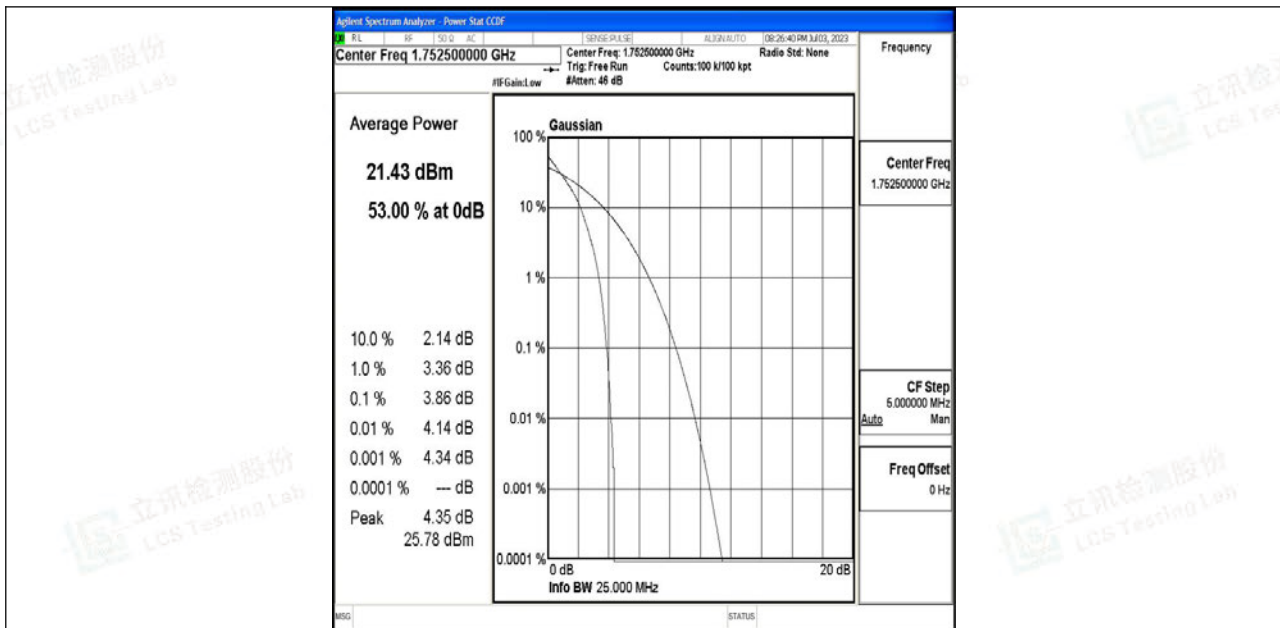


Shenzhen LCS Compliance Testing Laboratory Ltd.

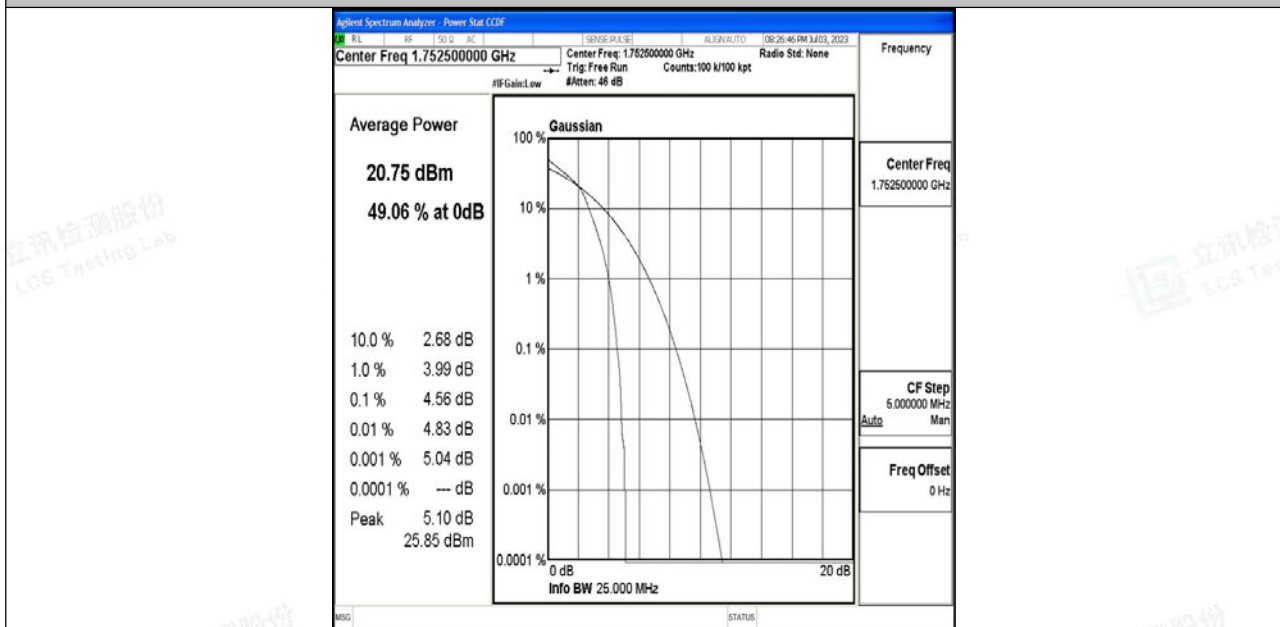
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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5MHz-20375



5MHz-20375

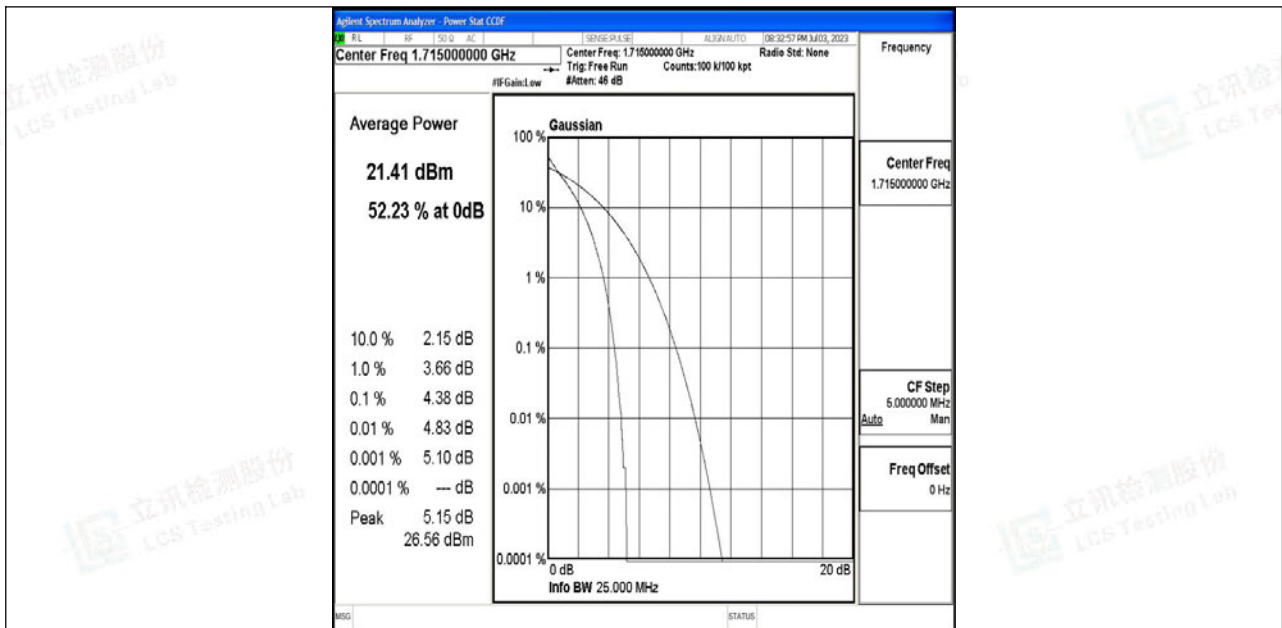


Shenzhen LCS Compliance Testing Laboratory Ltd.

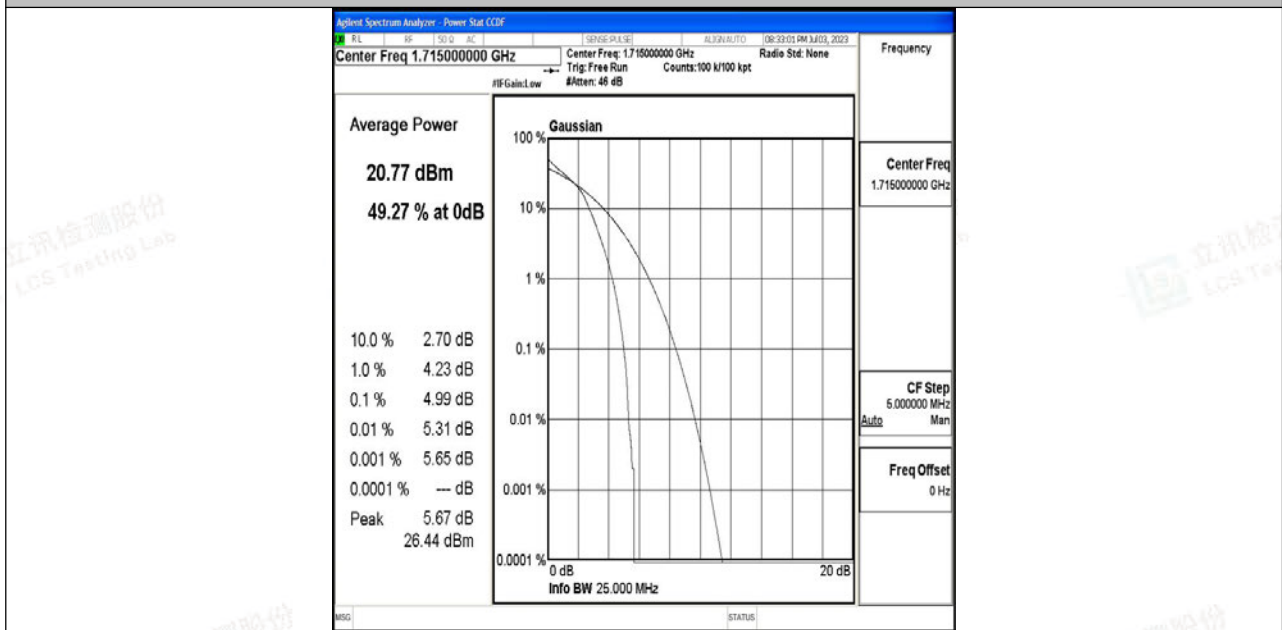
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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10MHz-20000



10MHz-20000

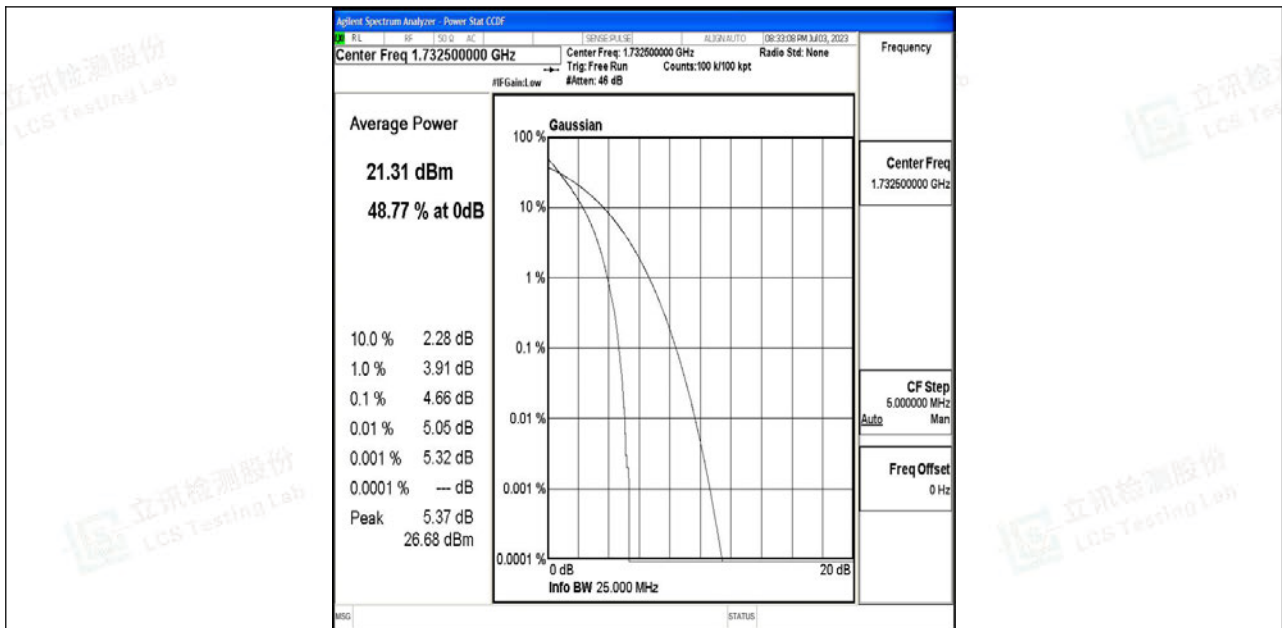


Shenzhen LCS Compliance Testing Laboratory Ltd.

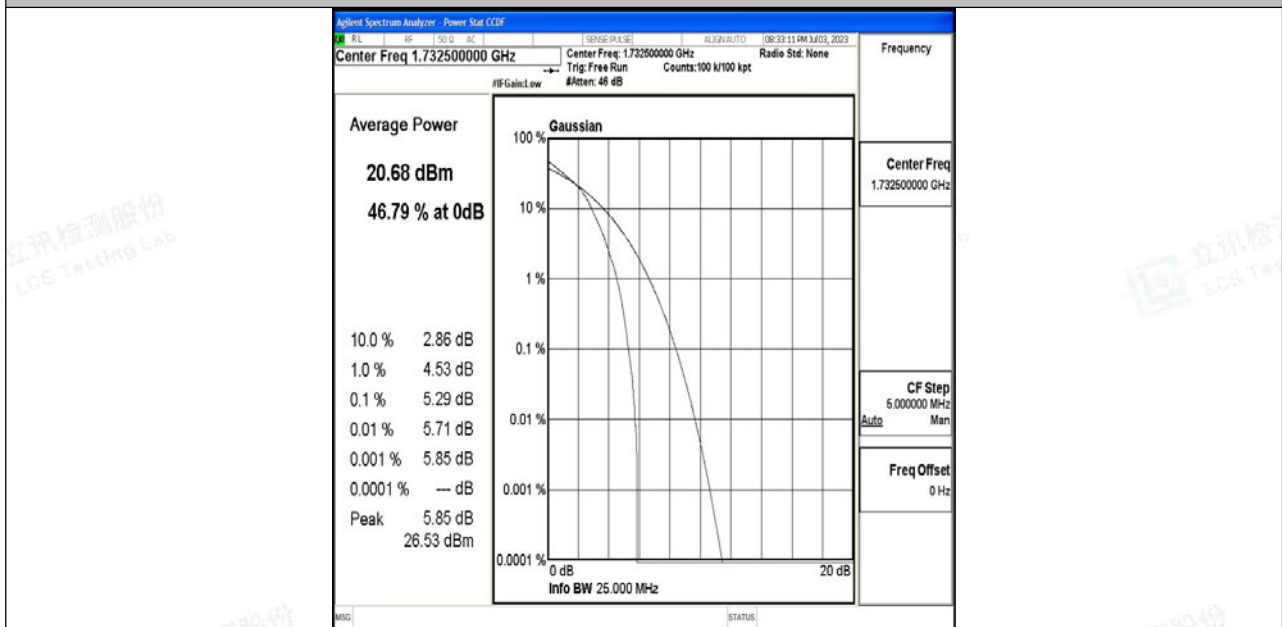
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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10MHz-20175



10MHz-20175

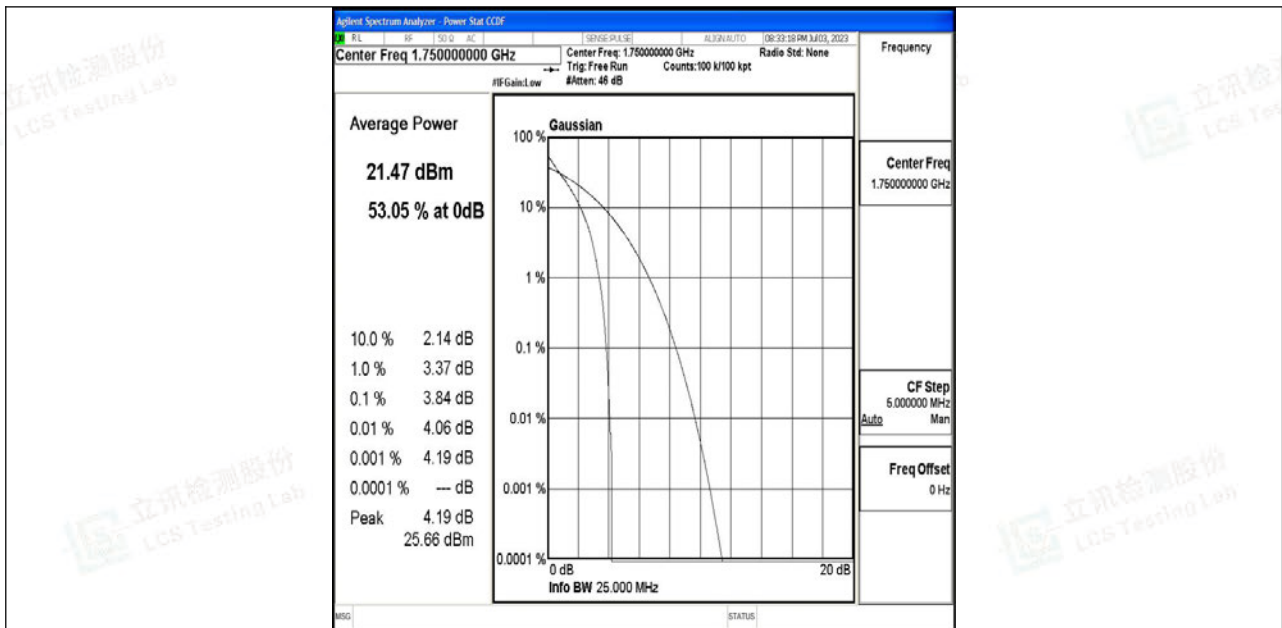


Shenzhen LCS Compliance Testing Laboratory Ltd.

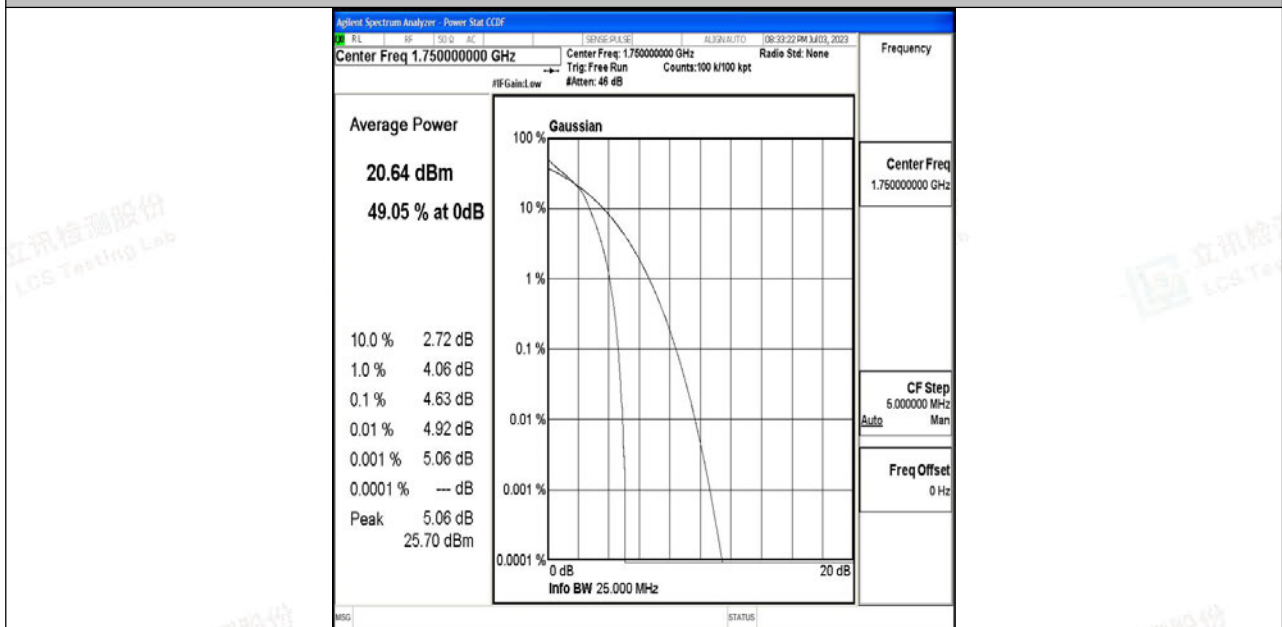
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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10MHz-20350



10MHz-20350

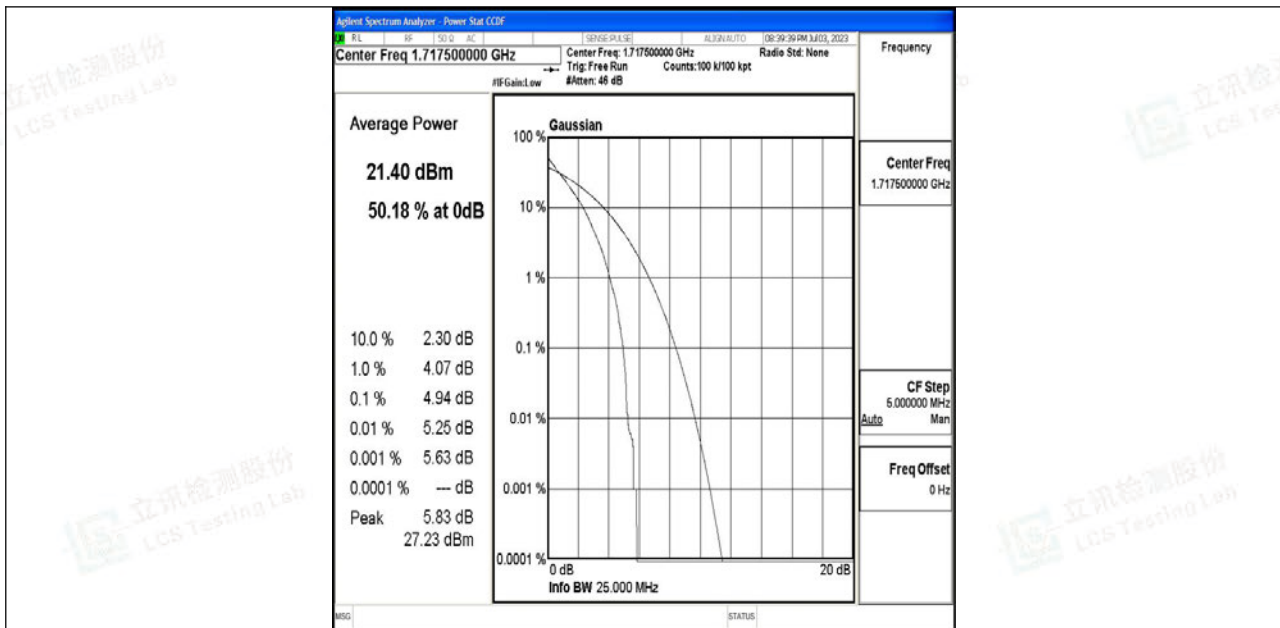


Shenzhen LCS Compliance Testing Laboratory Ltd.

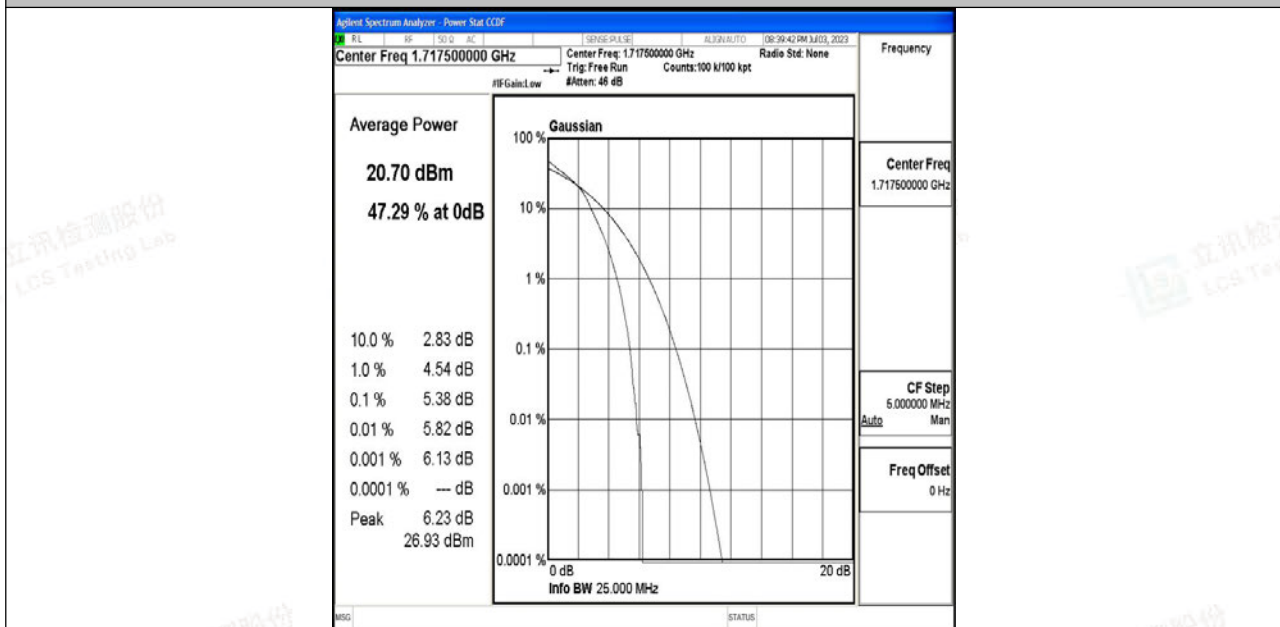
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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15MHz-20025



15MHz-20025

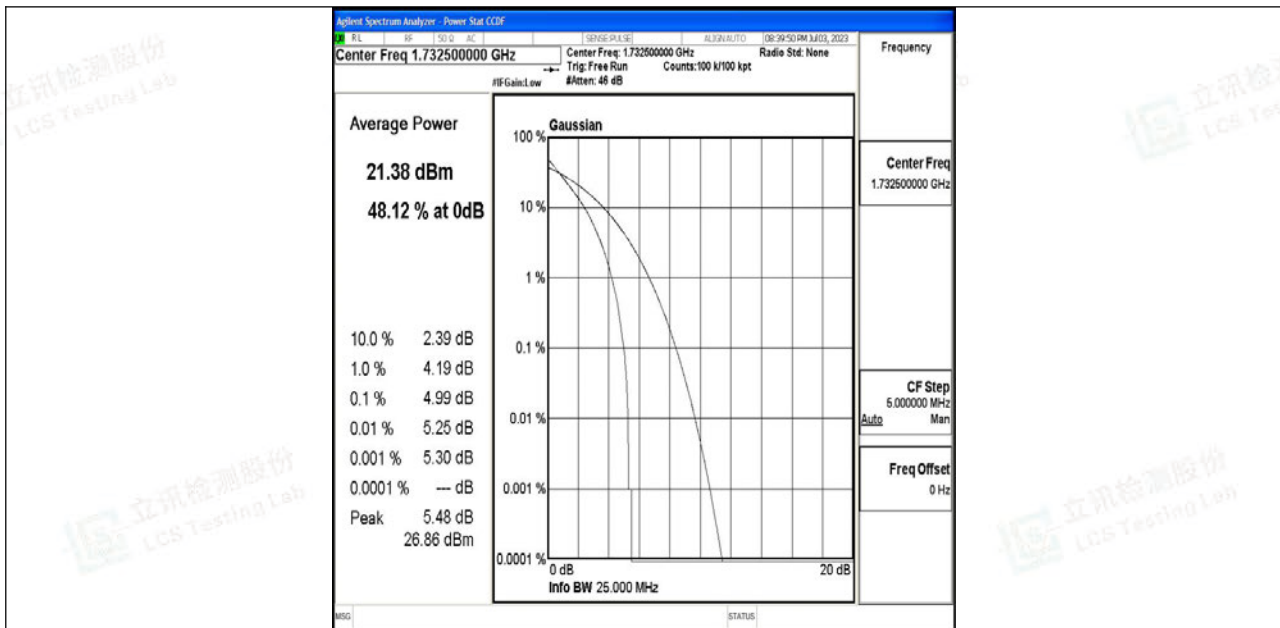


Shenzhen LCS Compliance Testing Laboratory Ltd.

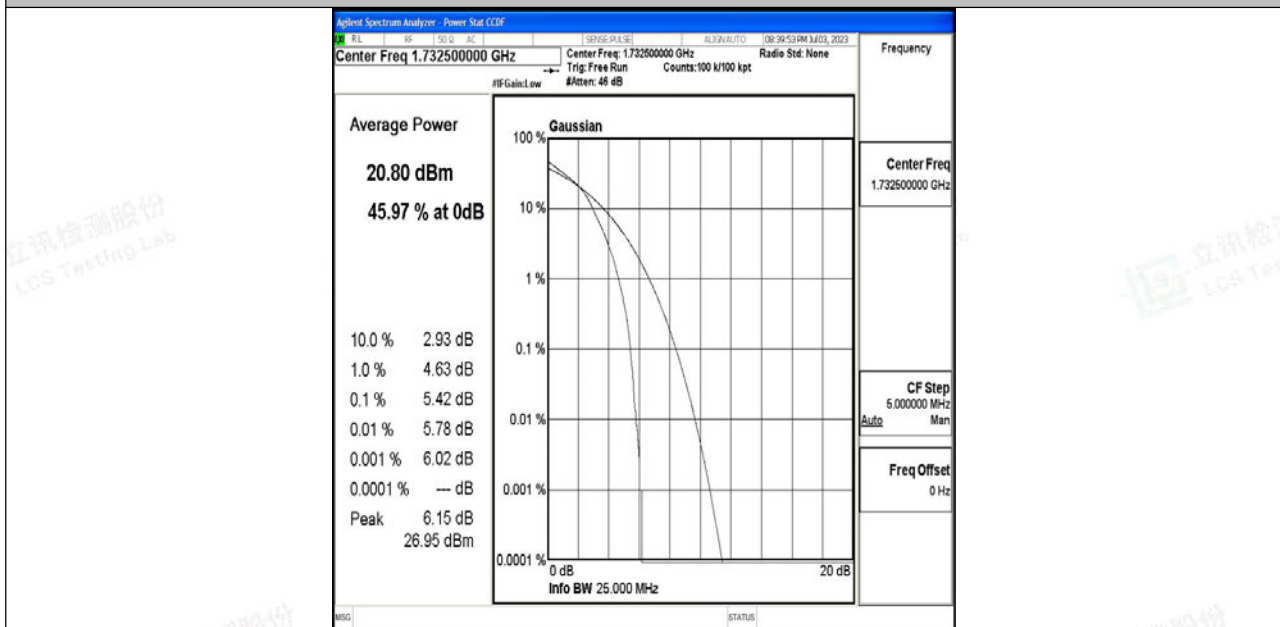
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity



15MHz-20175



15MHz-20175

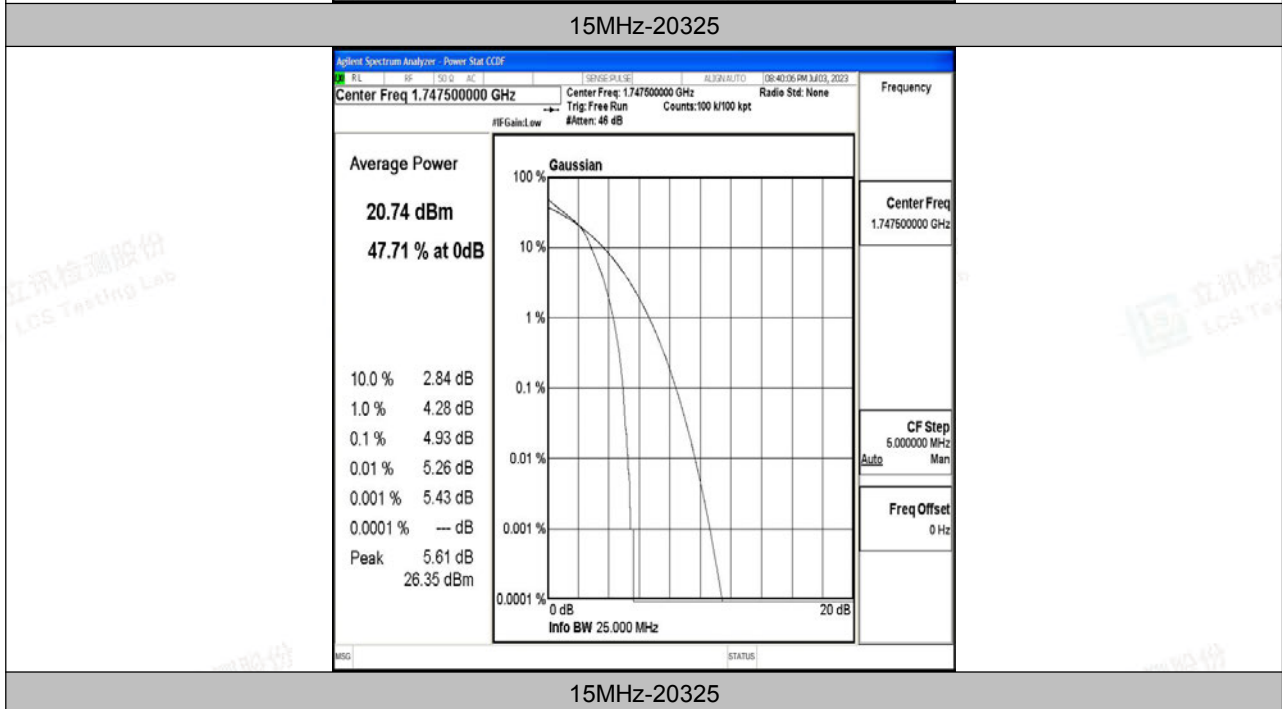
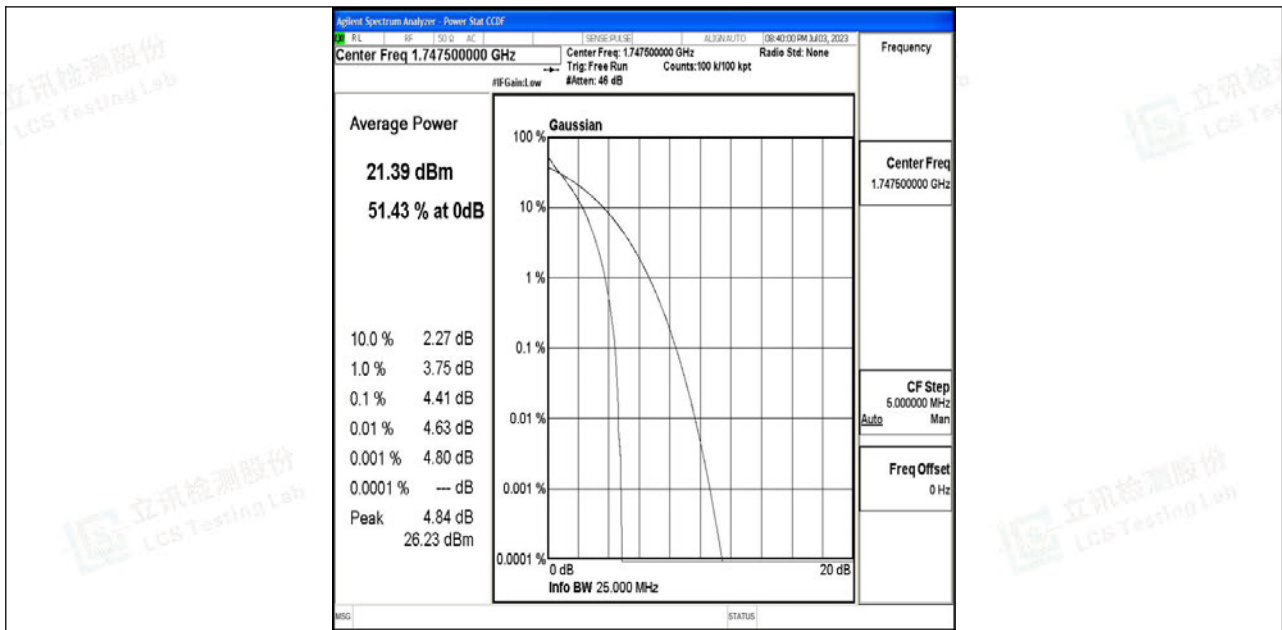


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Scan code to check authenticity

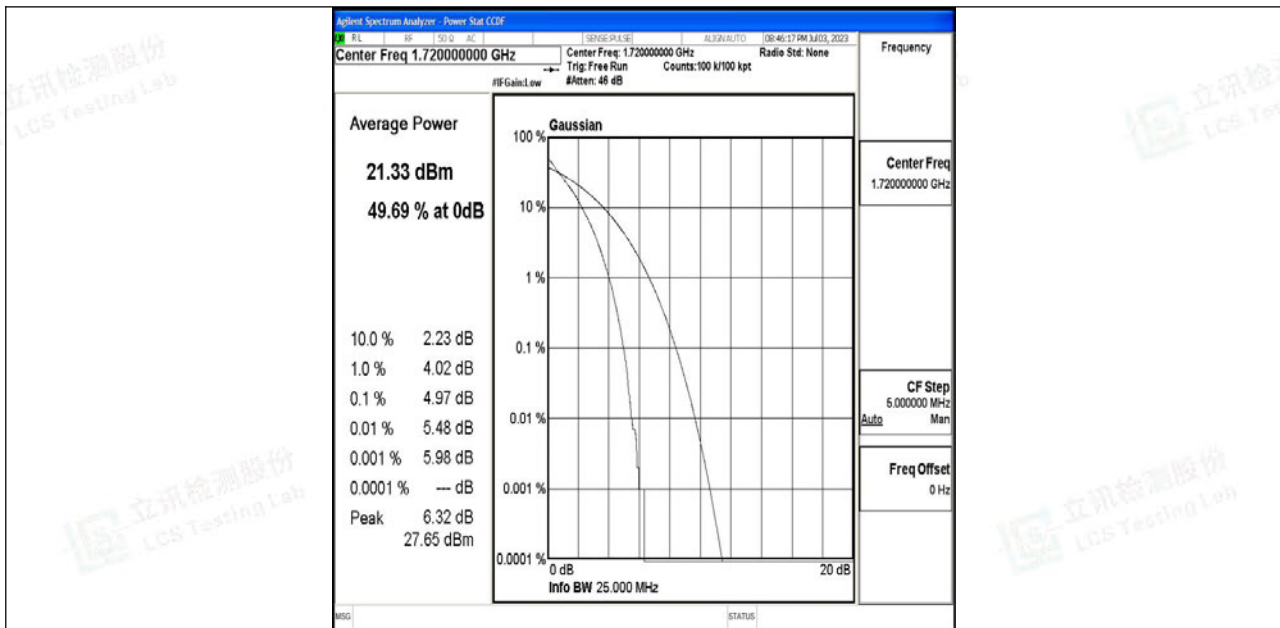


Shenzhen LCS Compliance Testing Laboratory Ltd.

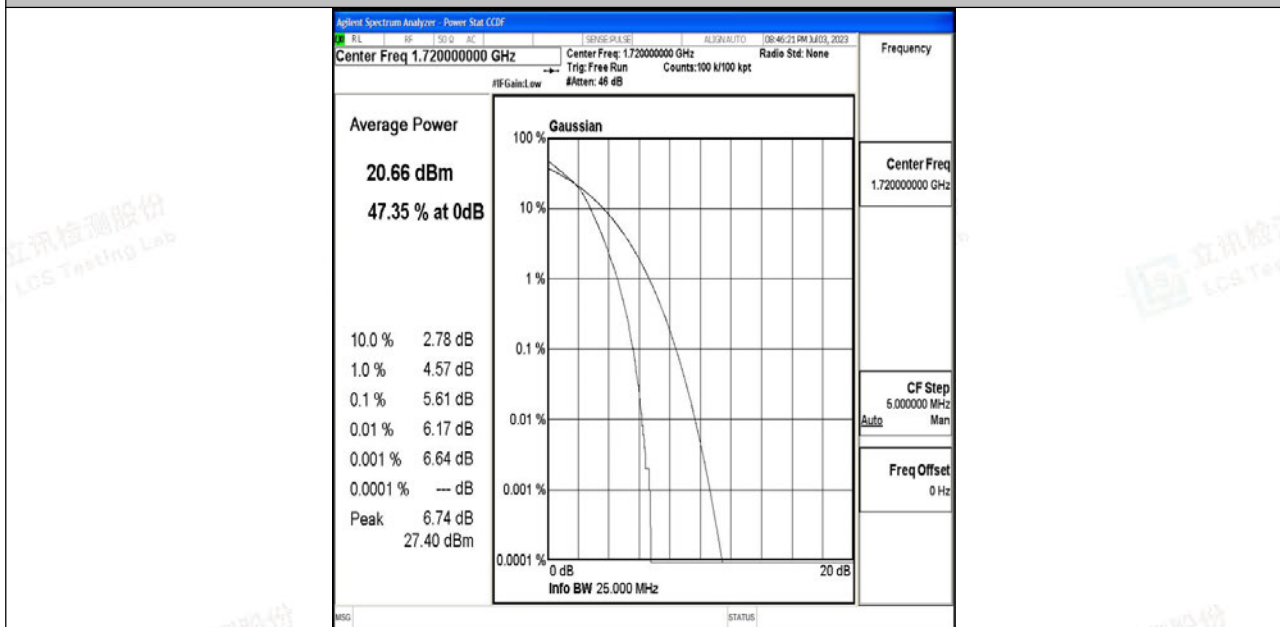
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20MHz-20050



20MHz-20050

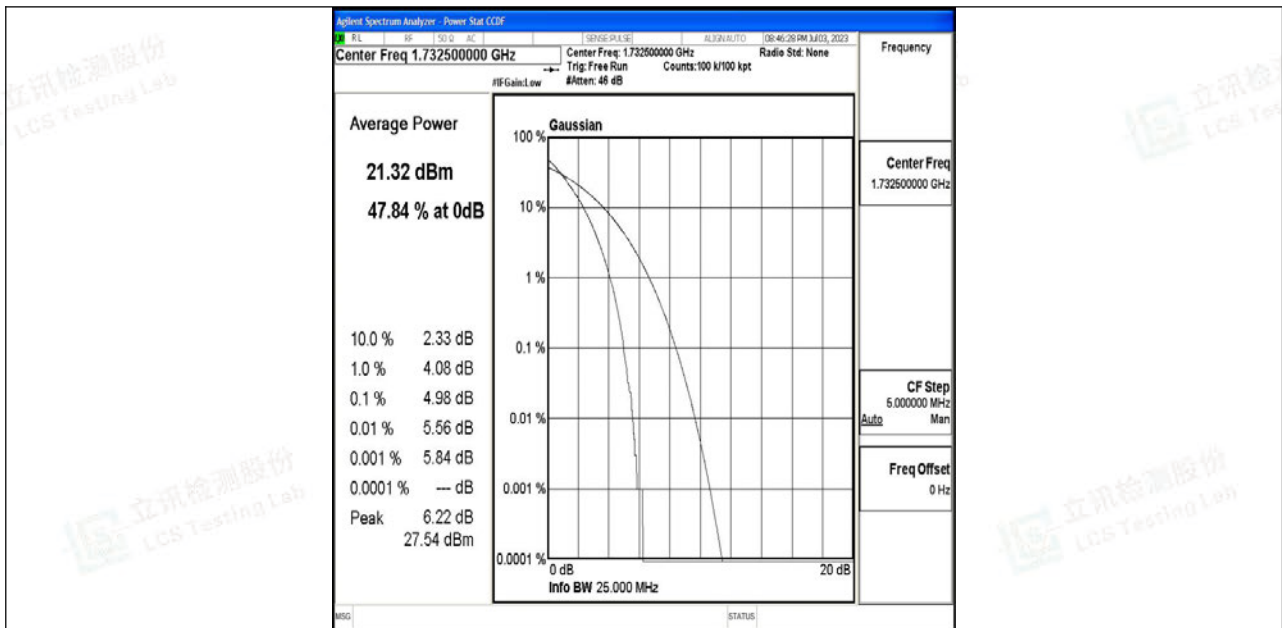


Shenzhen LCS Compliance Testing Laboratory Ltd.

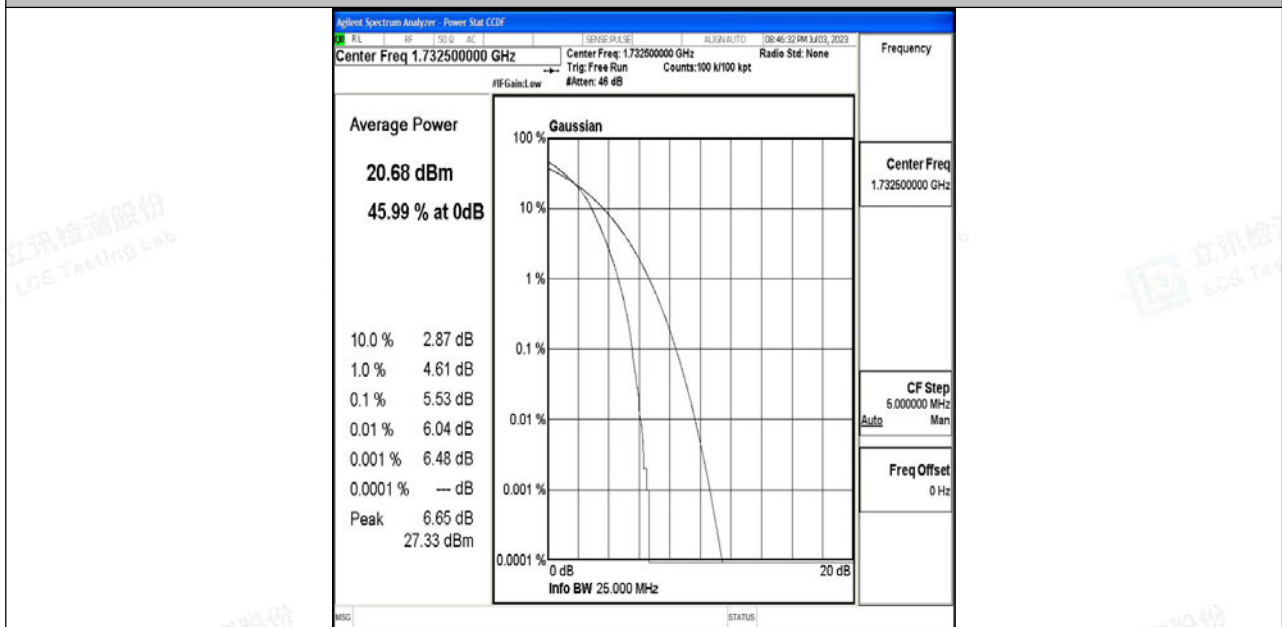
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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20MHz-20175



20MHz-20175

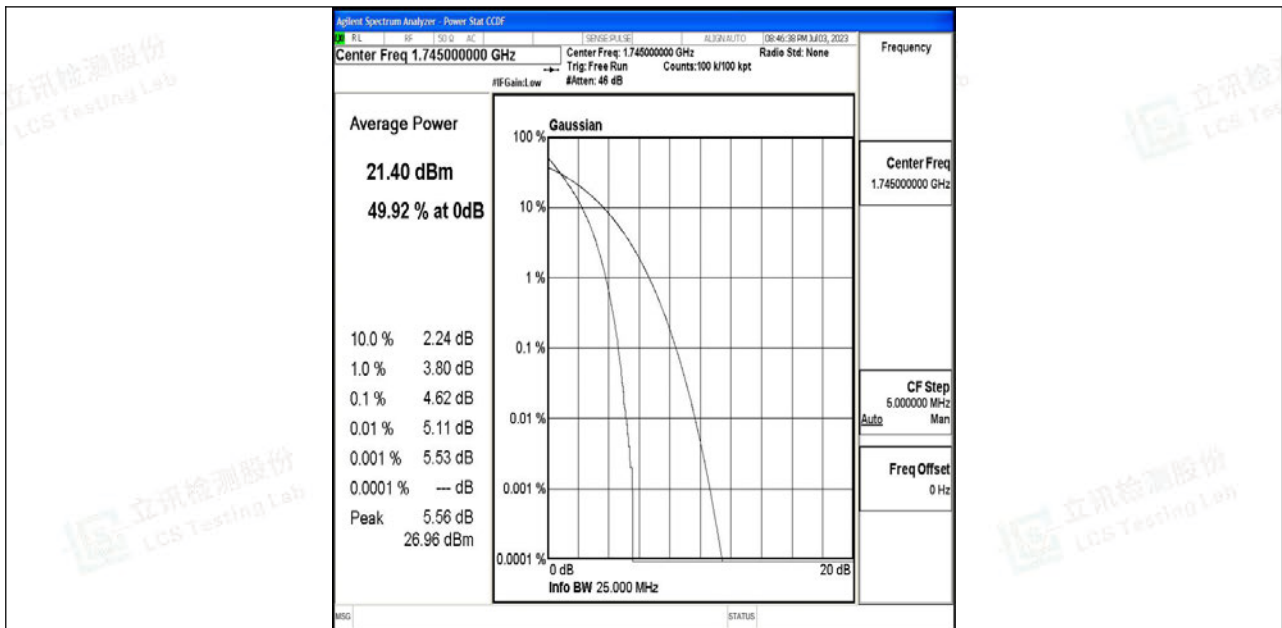


Shenzhen LCS Compliance Testing Laboratory Ltd.

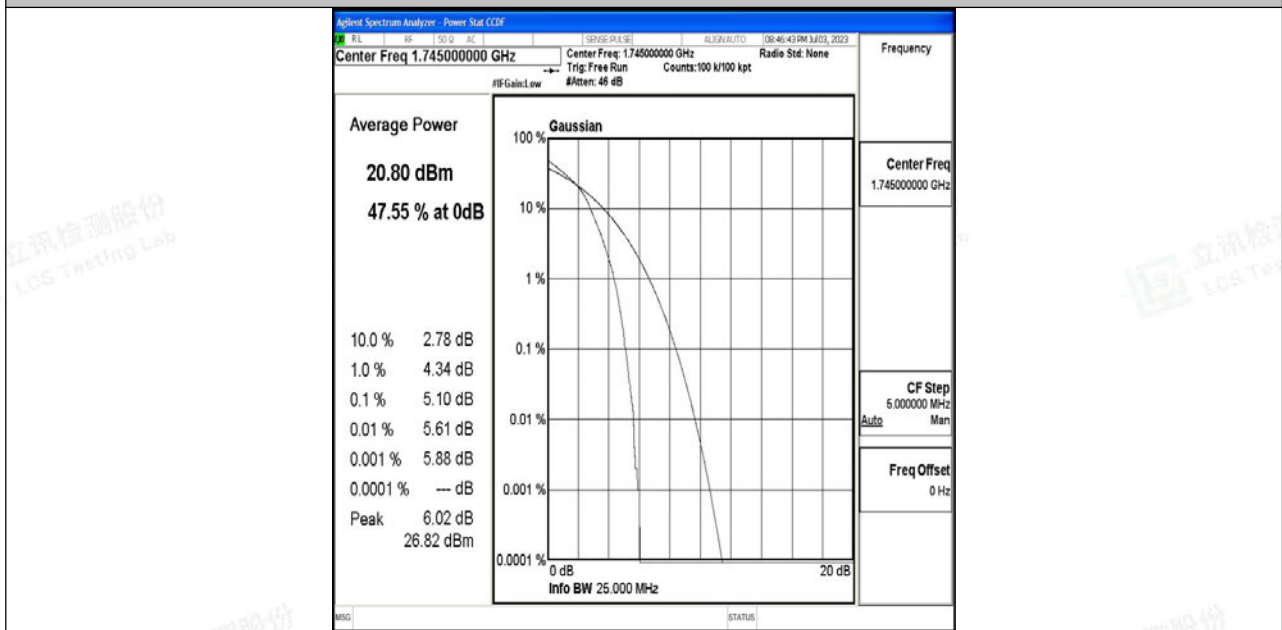
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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20MHz-20300



20MHz-20300



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I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0963	1.294	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1056	1.364	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1022	1.376	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1121	1.376	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1007	1.317	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1073	1.301	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7168	3.307	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7083	3.172	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7264	3.105	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7139	3.089	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7169	3.472	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7196	3.261	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5328	5.422	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5329	5.373	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5457	5.377	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5286	5.304	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5167	5.479	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5561	5.268	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0132	10.10	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0227	10.10	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9906	10.08	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0234	10.21	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0093	10.51	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0238	10.80	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.530	15.37	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.530	14.89	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.529	15.13	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.526	15.01	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.516	15.61	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.487	14.95	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.024	20.07	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.010	20.23	PASS



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Band4	20MHz	QPSK	20175	100RB#0	18.029	20.25	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.062	19.91	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.026	20.31	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.008	20.09	PASS



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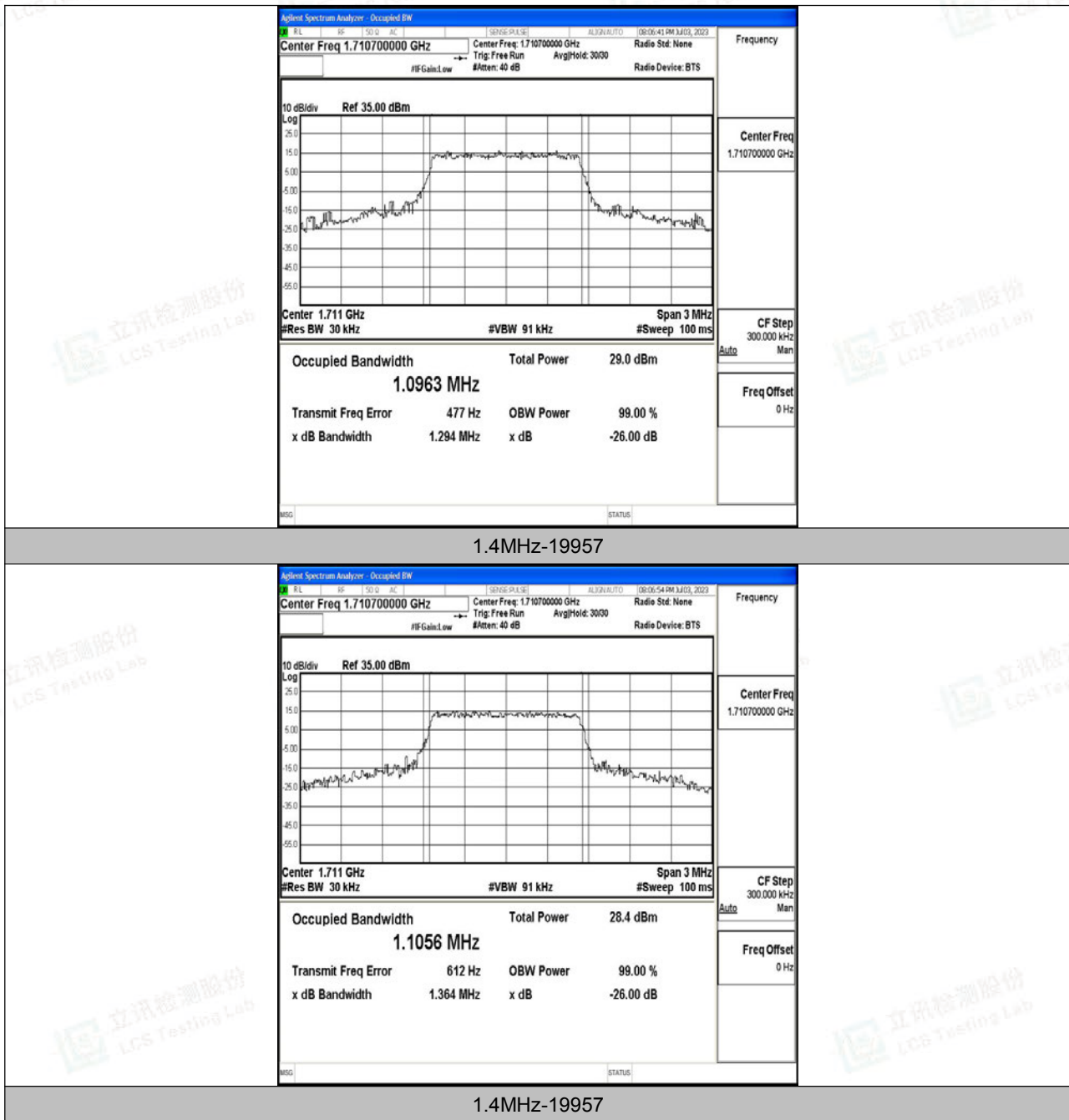
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Test Graphs

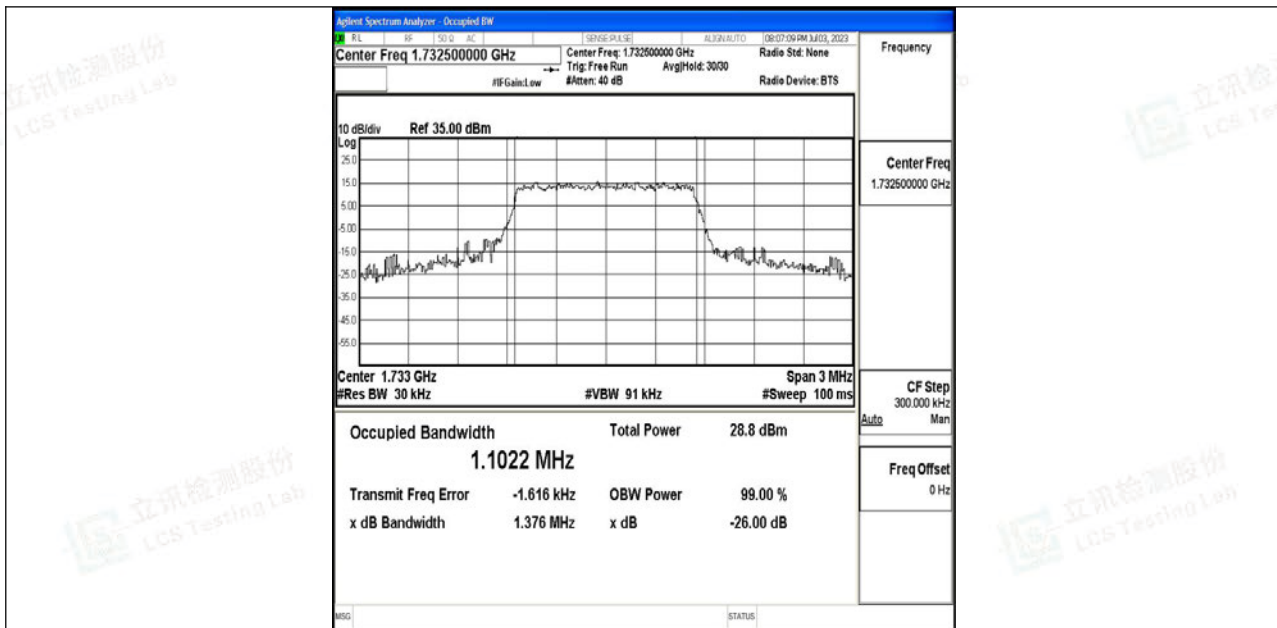


Shenzhen LCS Compliance Testing Laboratory Ltd.

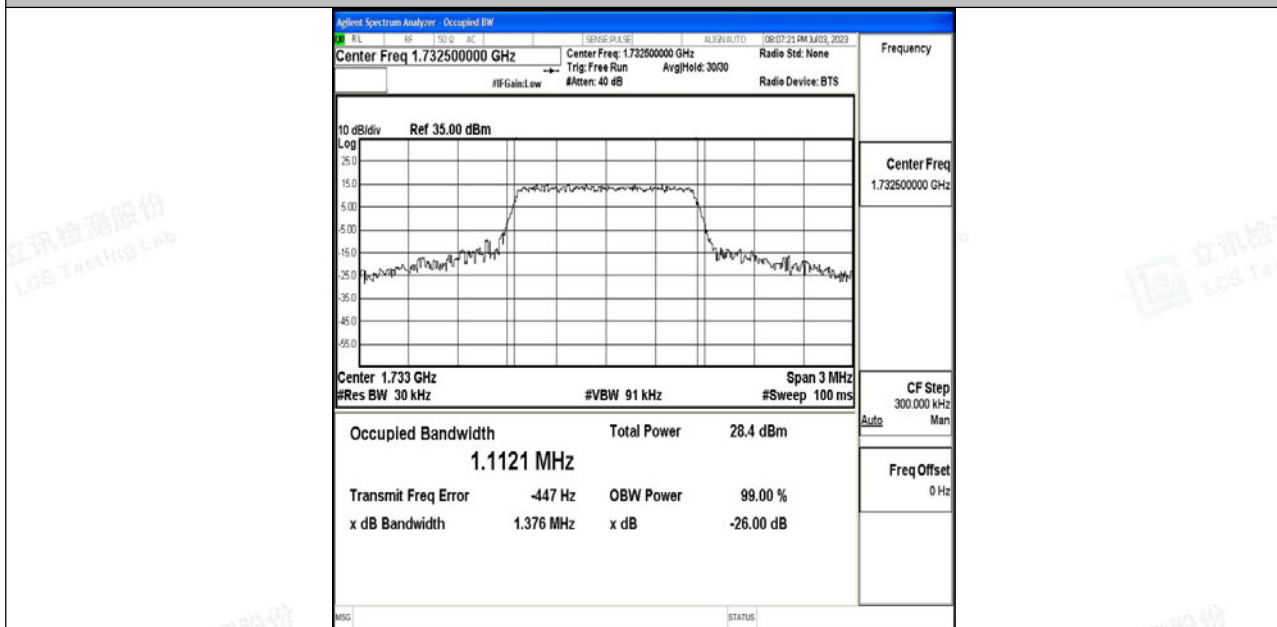
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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1.4MHz-20175



1.4MHz-20175

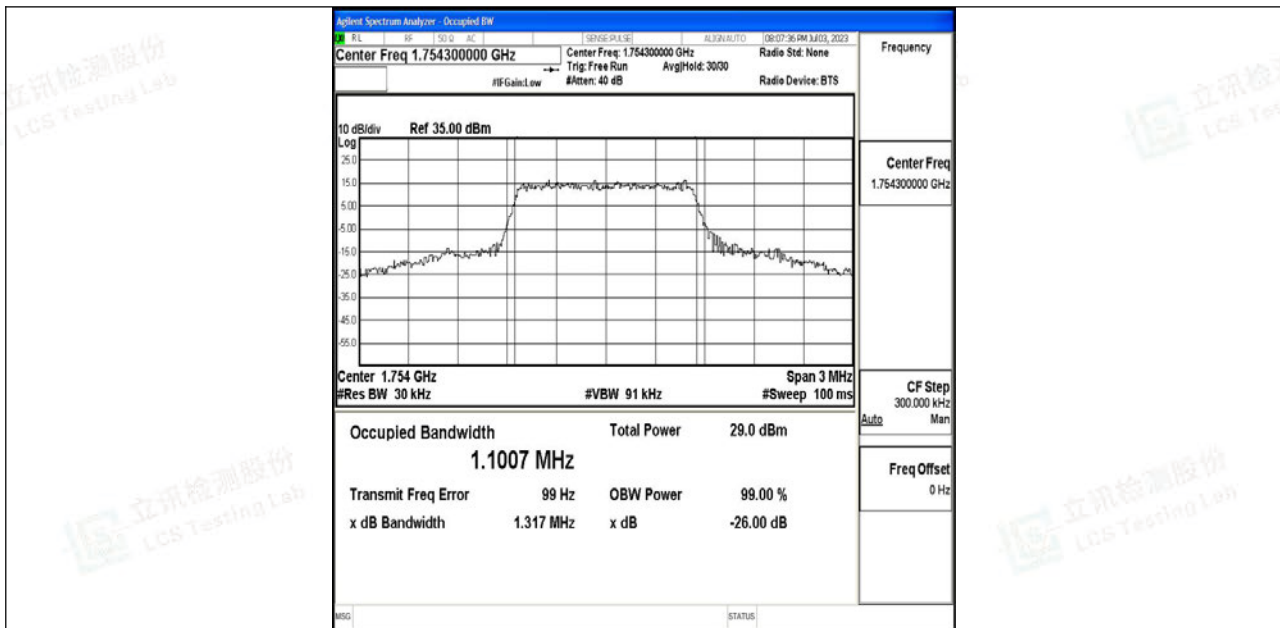


Shenzhen LCS Compliance Testing Laboratory Ltd.

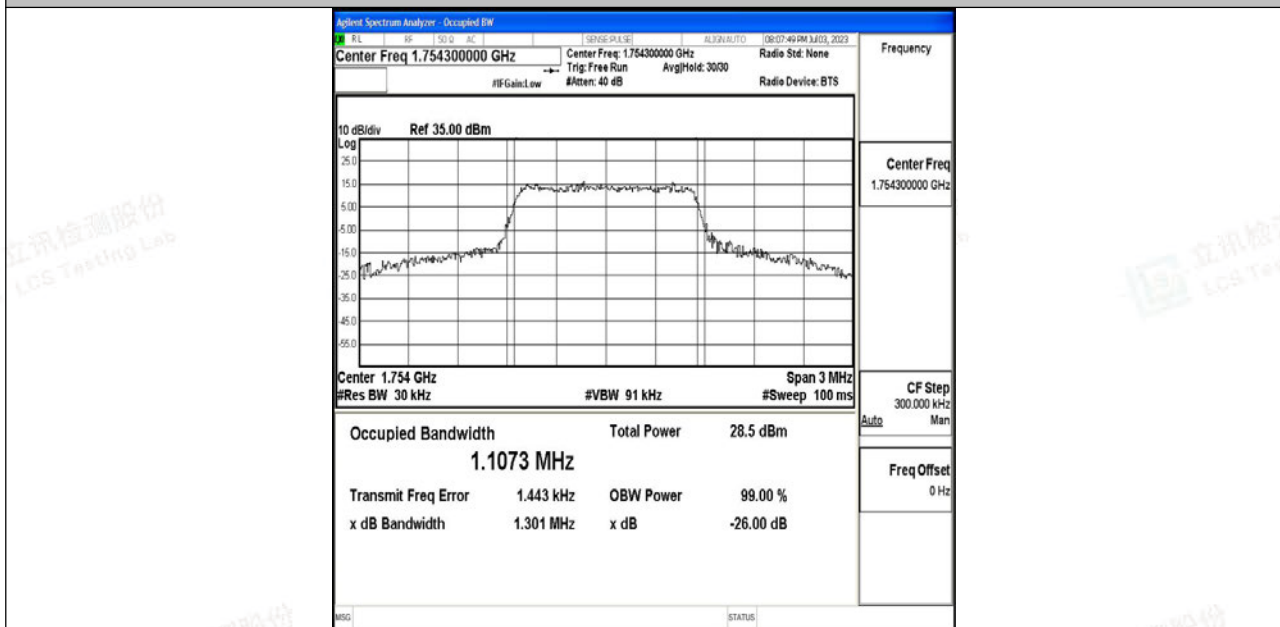
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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1.4MHz-20393



1.4MHz-20393

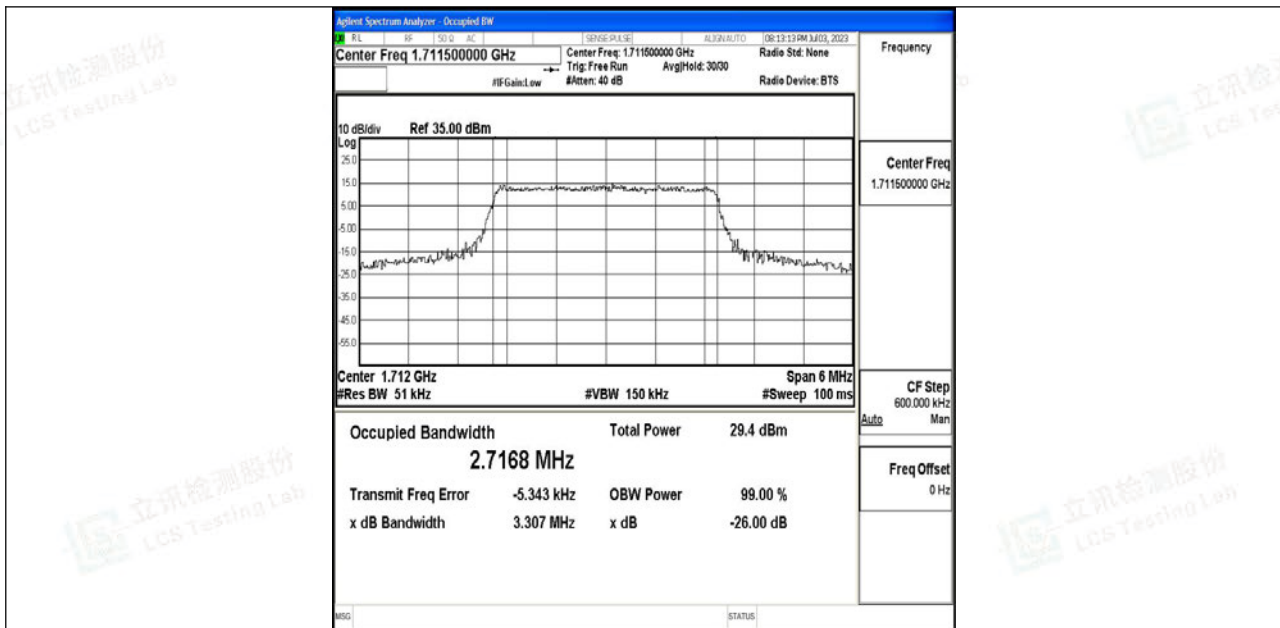


Shenzhen LCS Compliance Testing Laboratory Ltd.

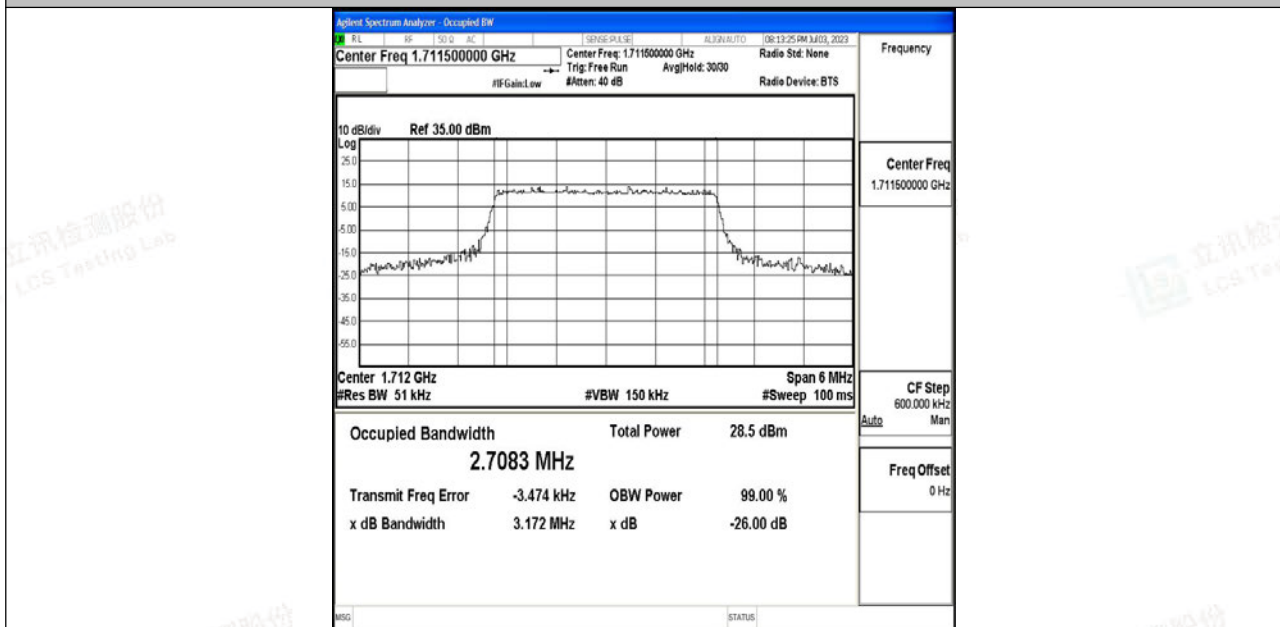
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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3MHz-19965



3MHz-19965

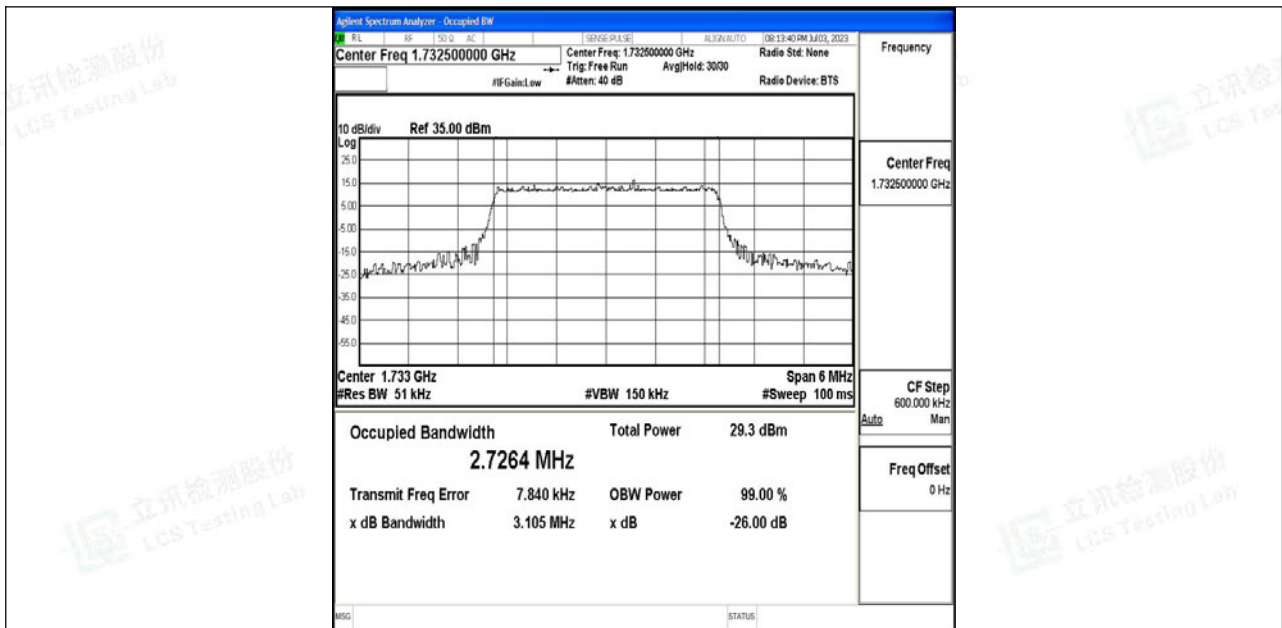


Shenzhen LCS Compliance Testing Laboratory Ltd.

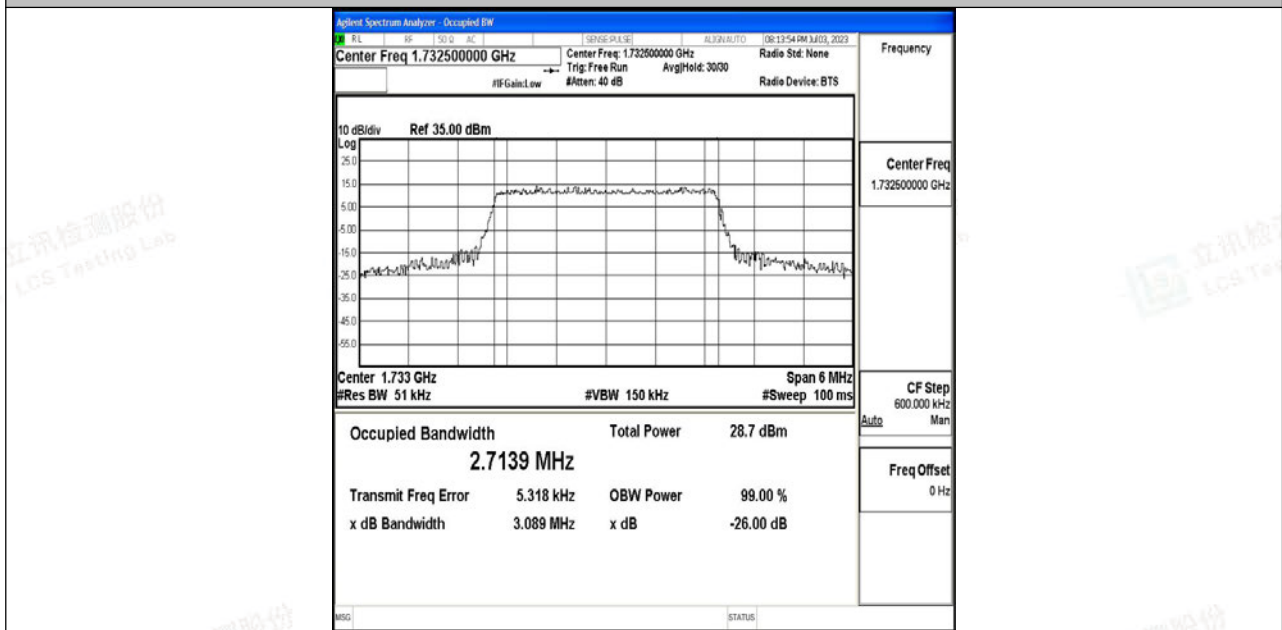
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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3MHz-20175



3MHz-20175

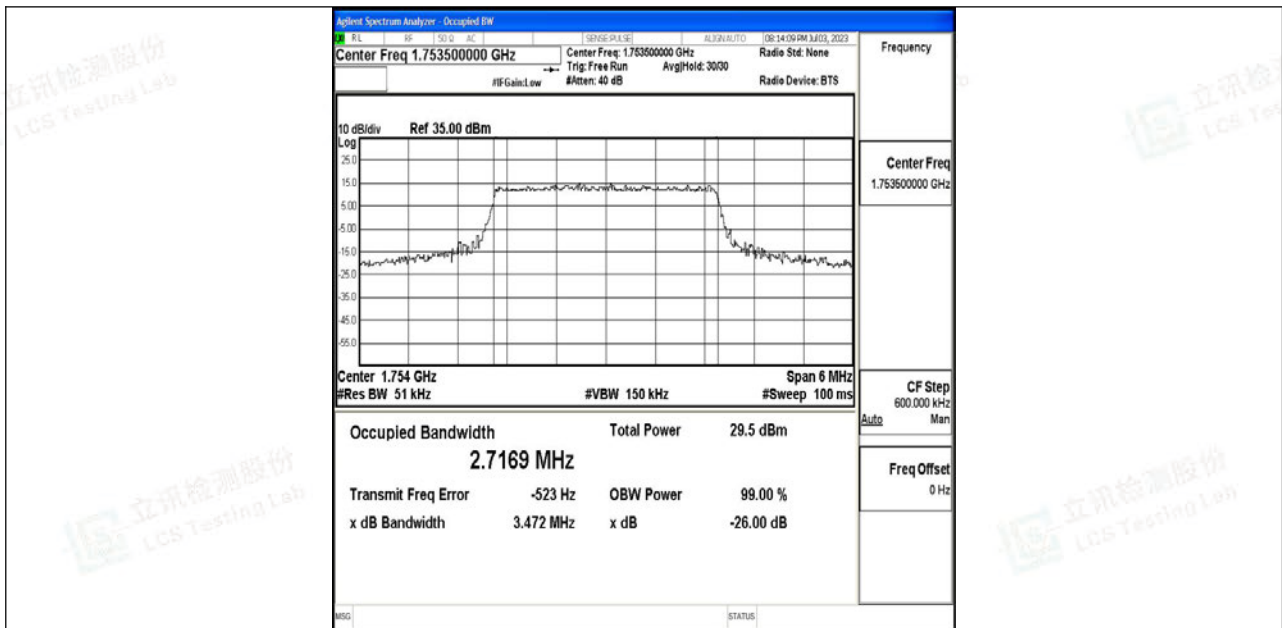


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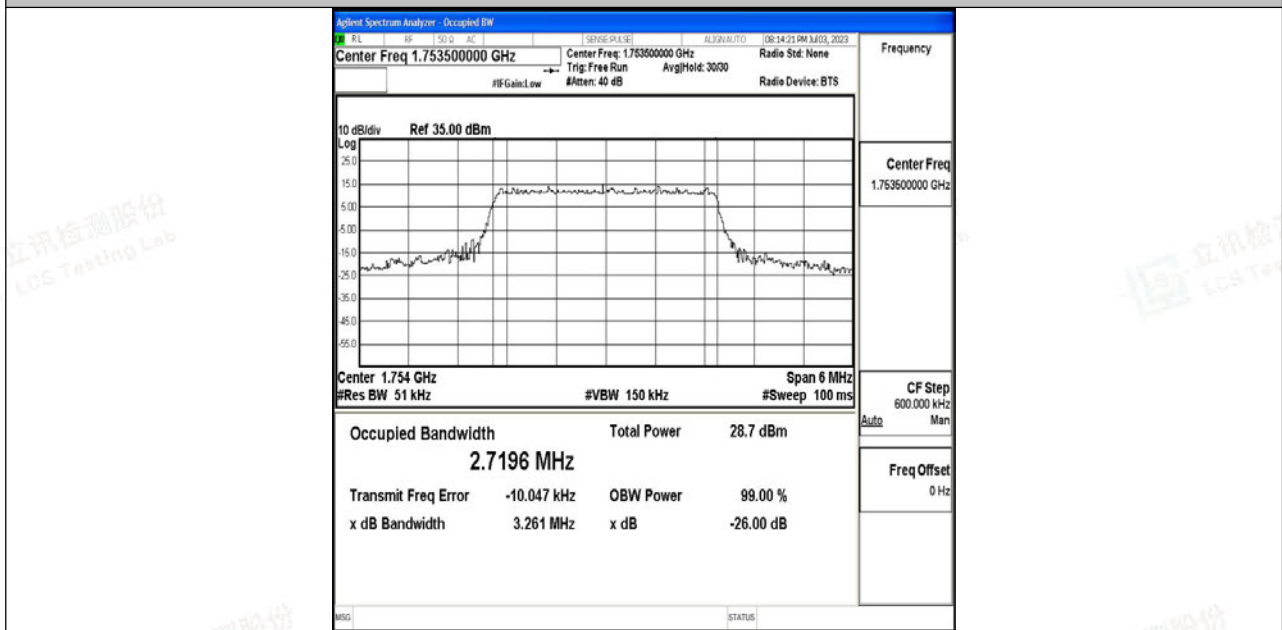
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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3MHz-20385



3MHz-20385

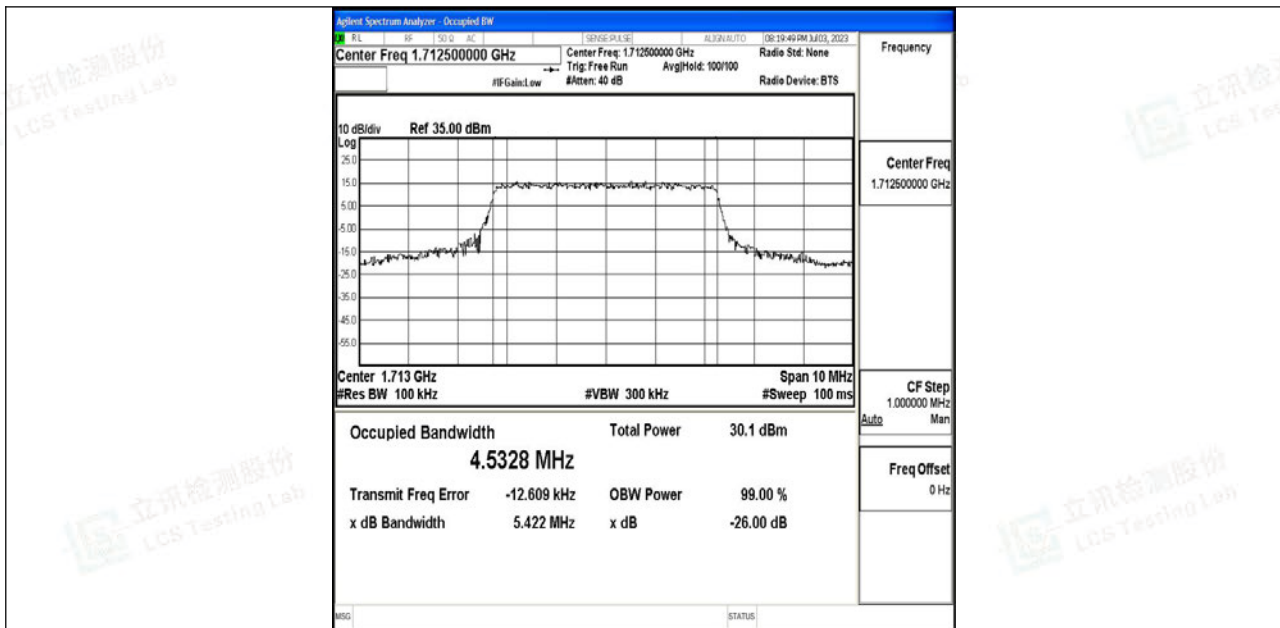


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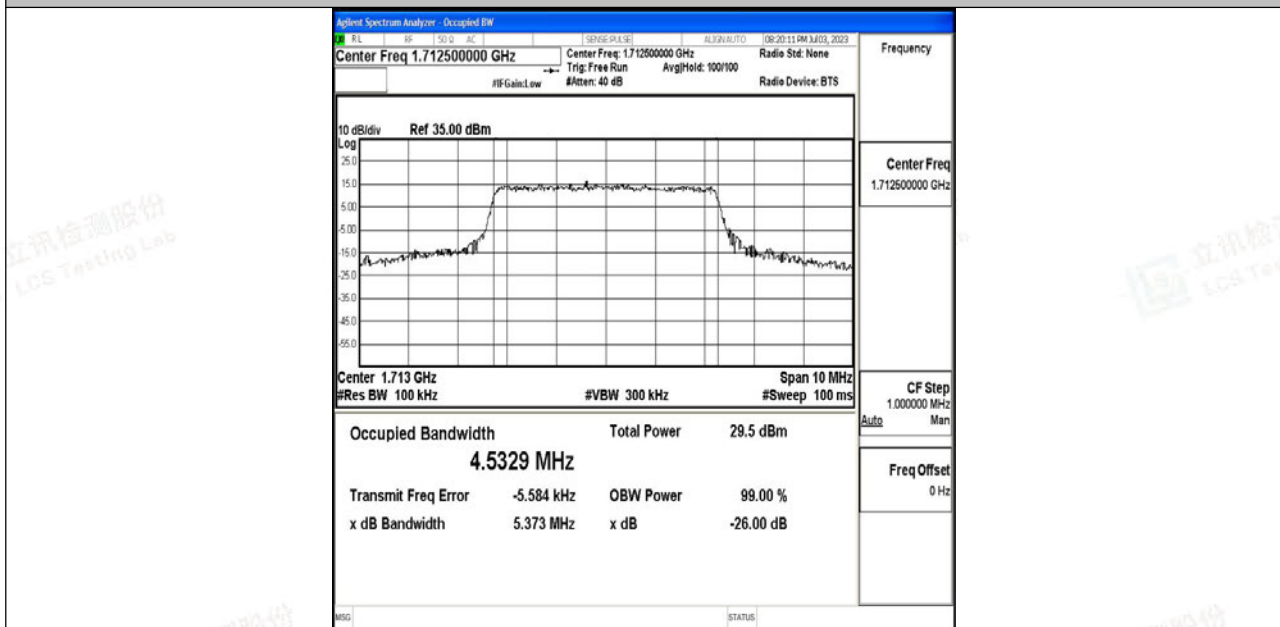
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5MHz-19975



5MHz-19975

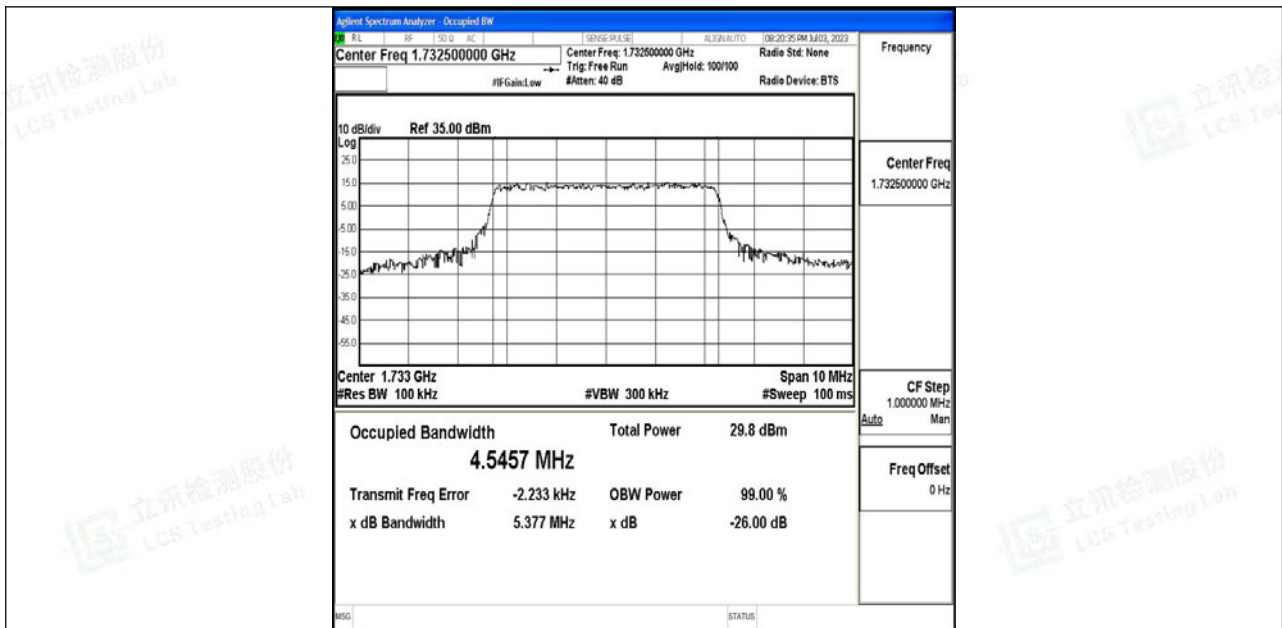


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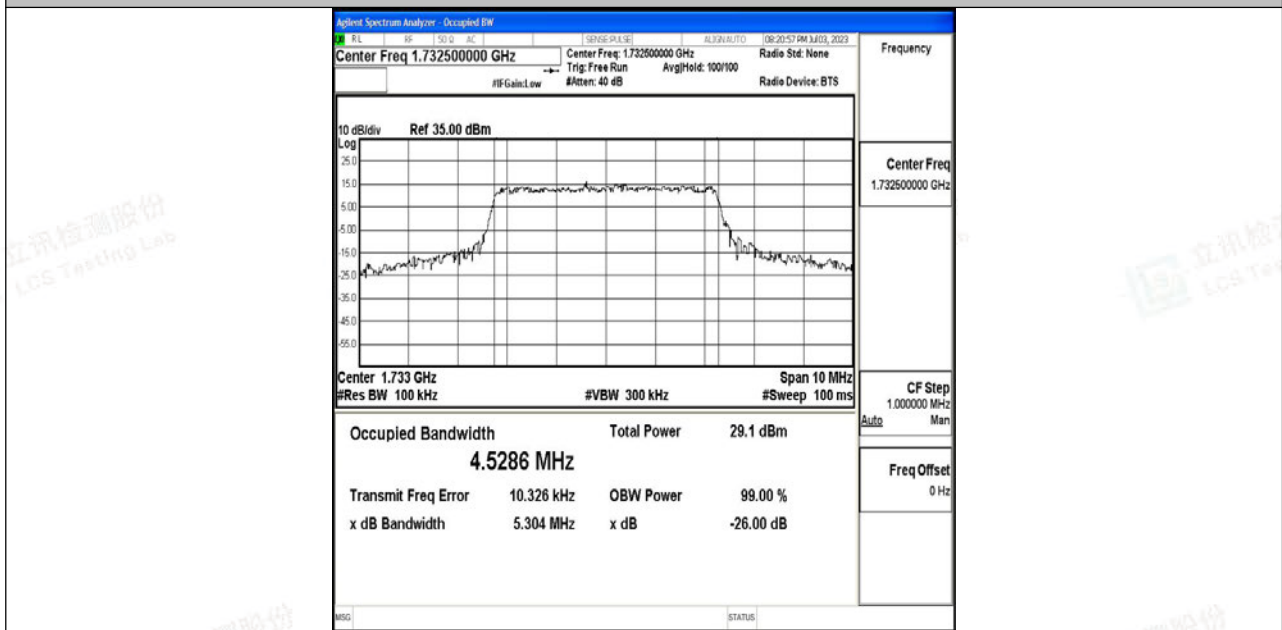
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5MHz-20175



5MHz-20175

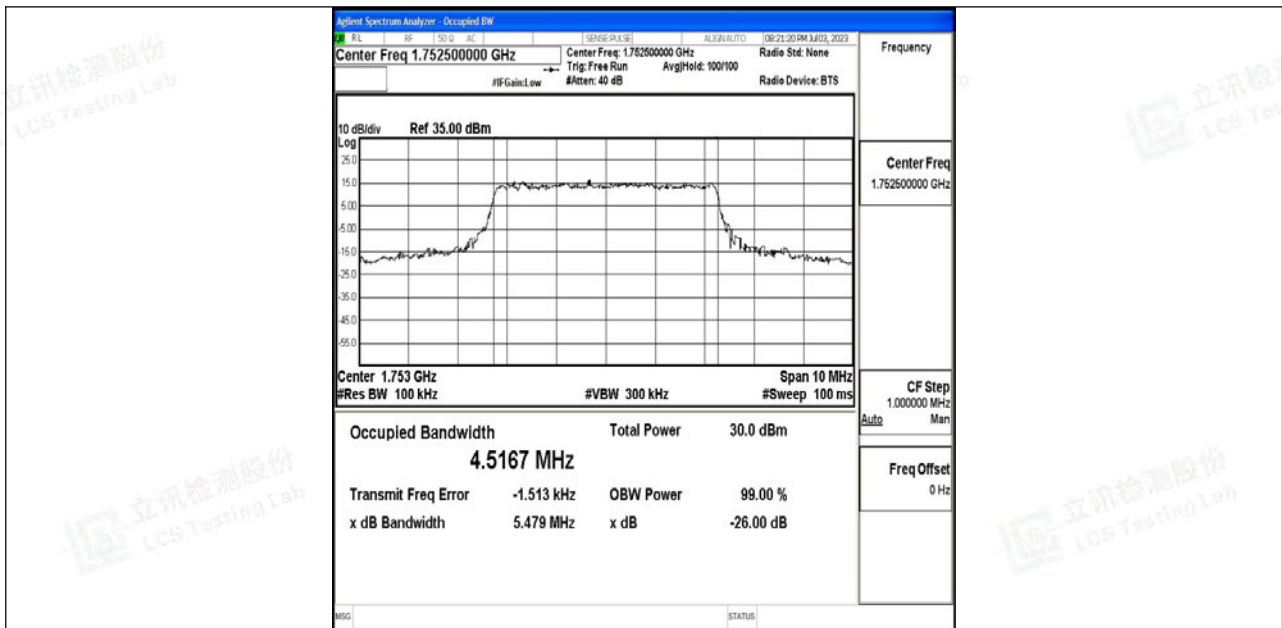


Shenzhen LCS Compliance Testing Laboratory Ltd.

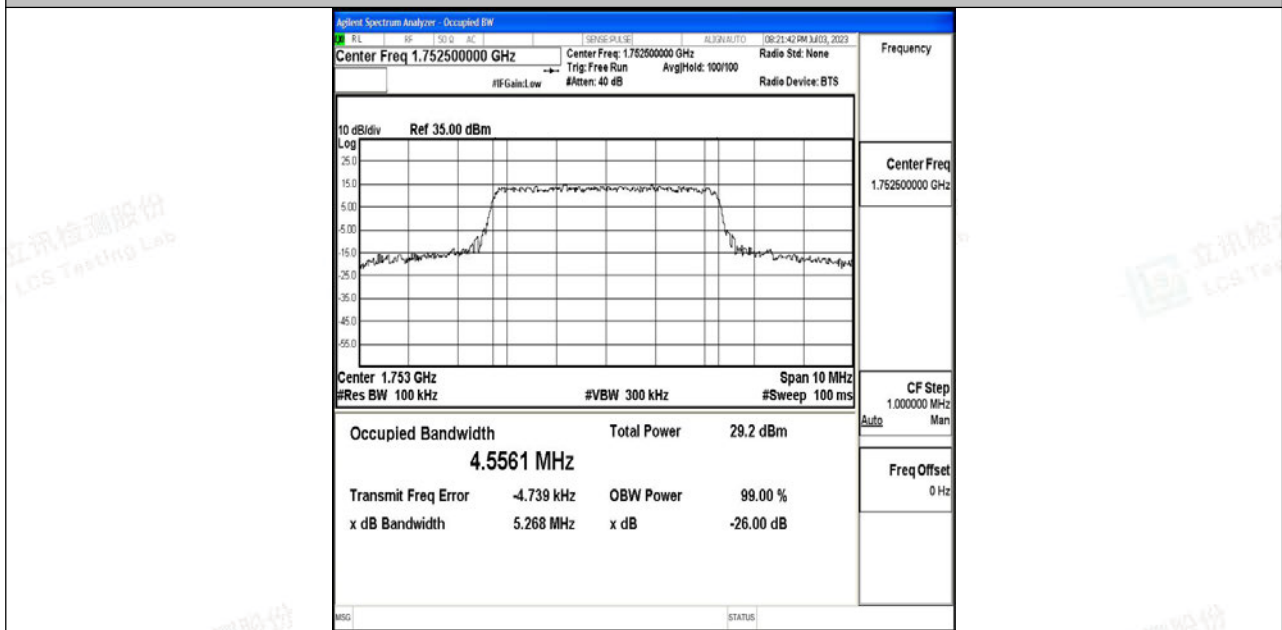
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5MHz-20375



5MHz-20375

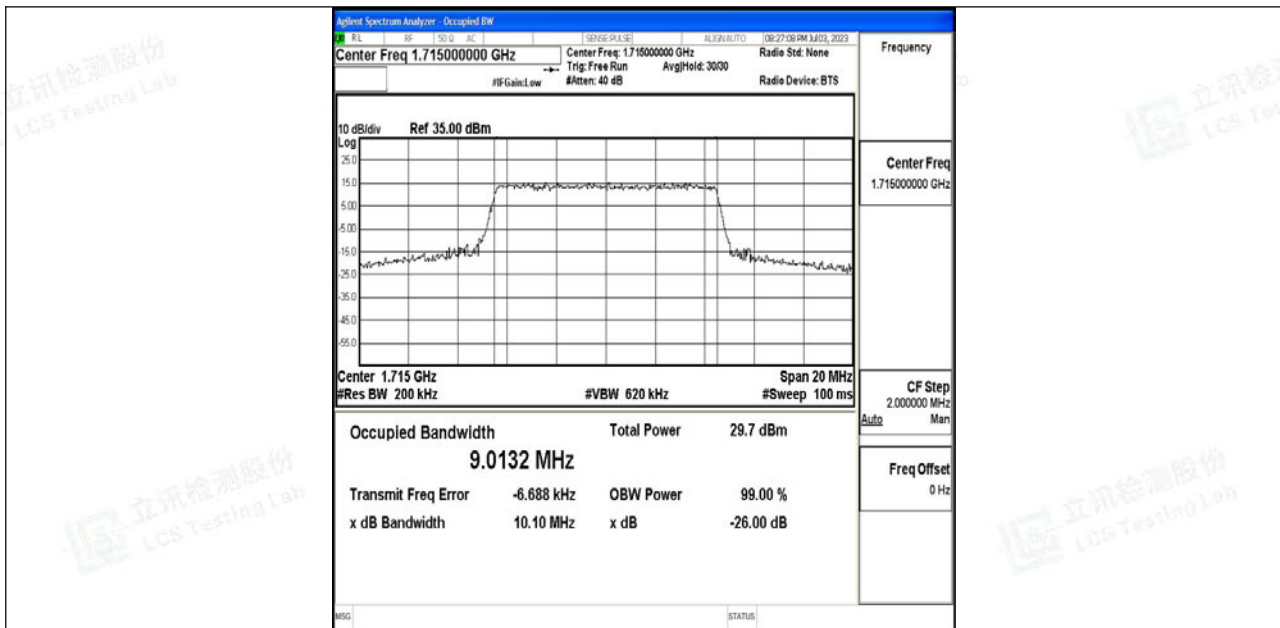


Shenzhen LCS Compliance Testing Laboratory Ltd.

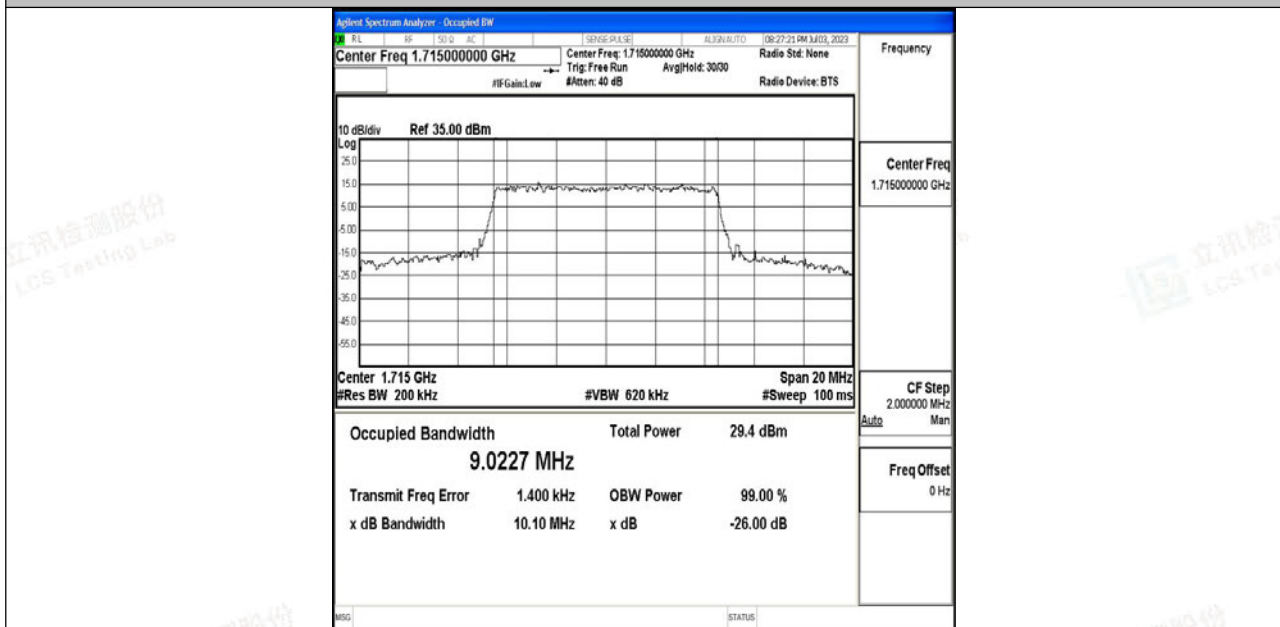
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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10MHz-20000



10MHz-20000

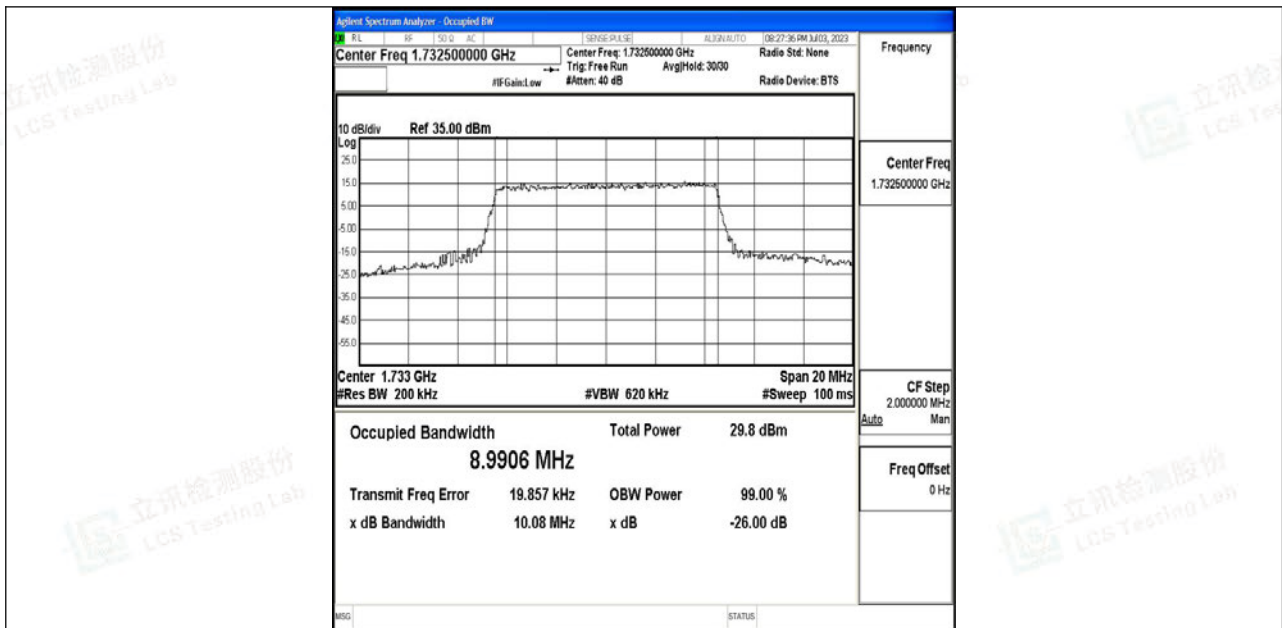


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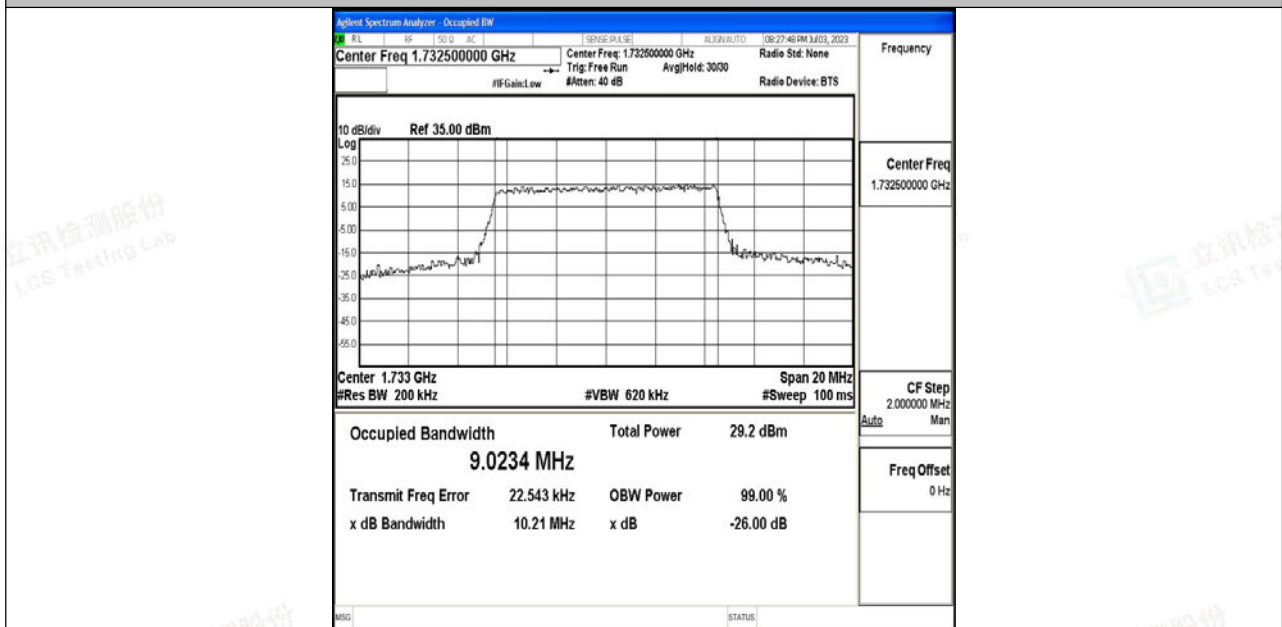
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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10MHz-20175



10MHz-20175

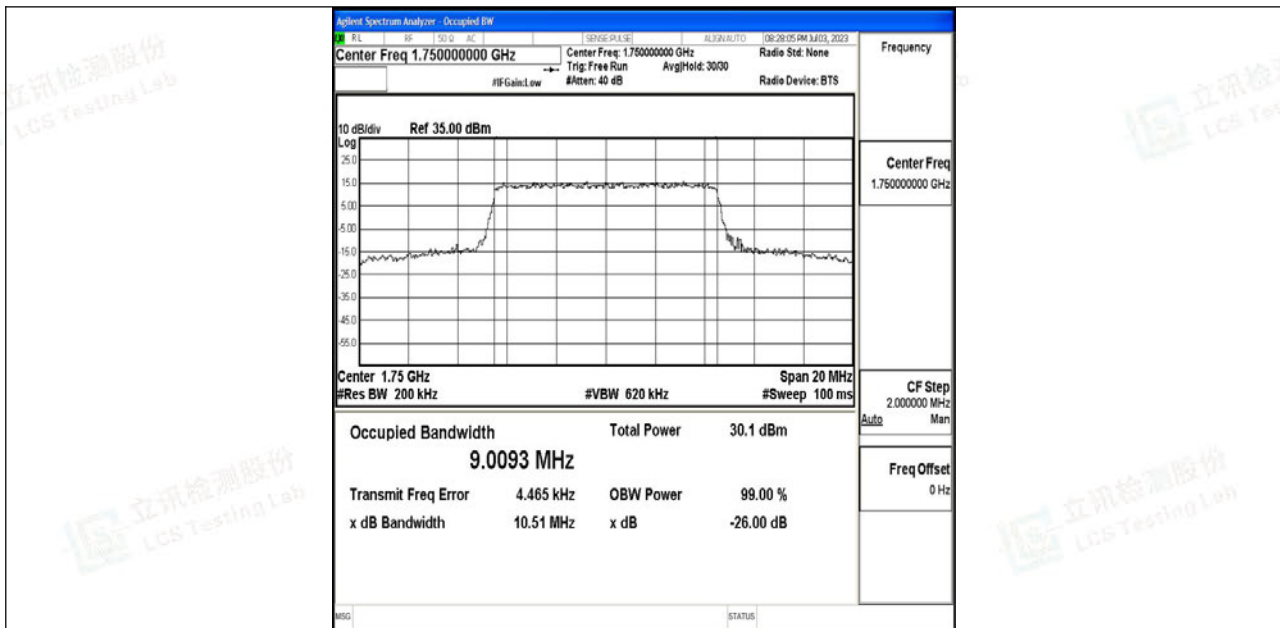


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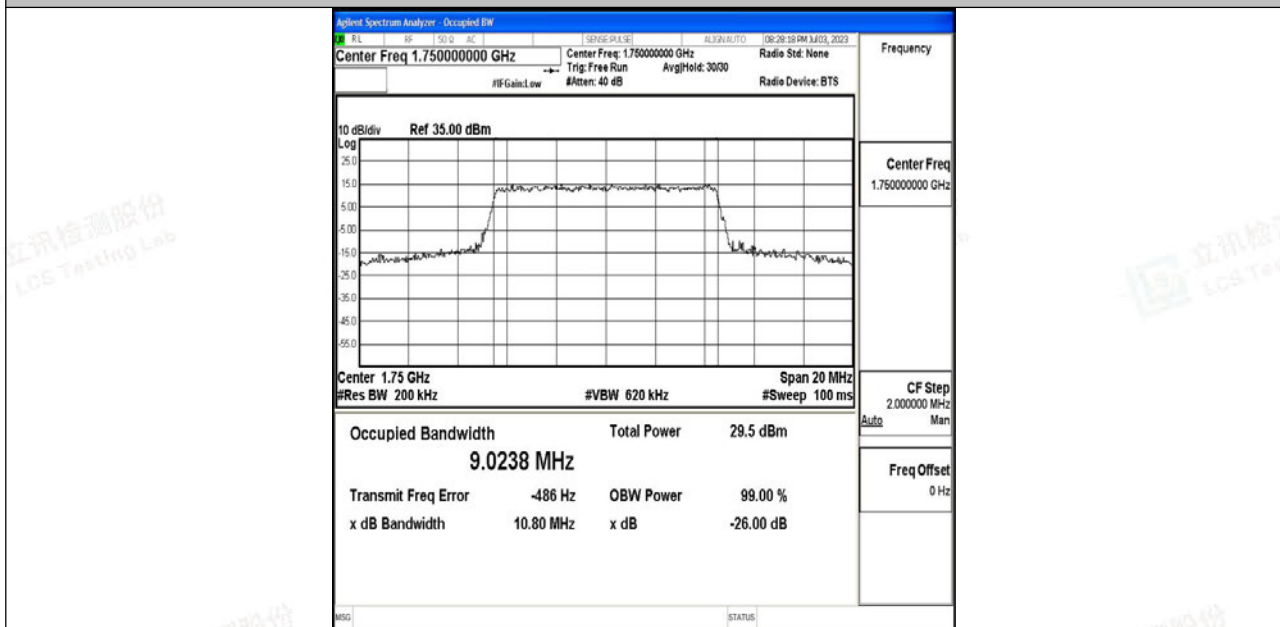
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10MHz-20350



10MHz-20350

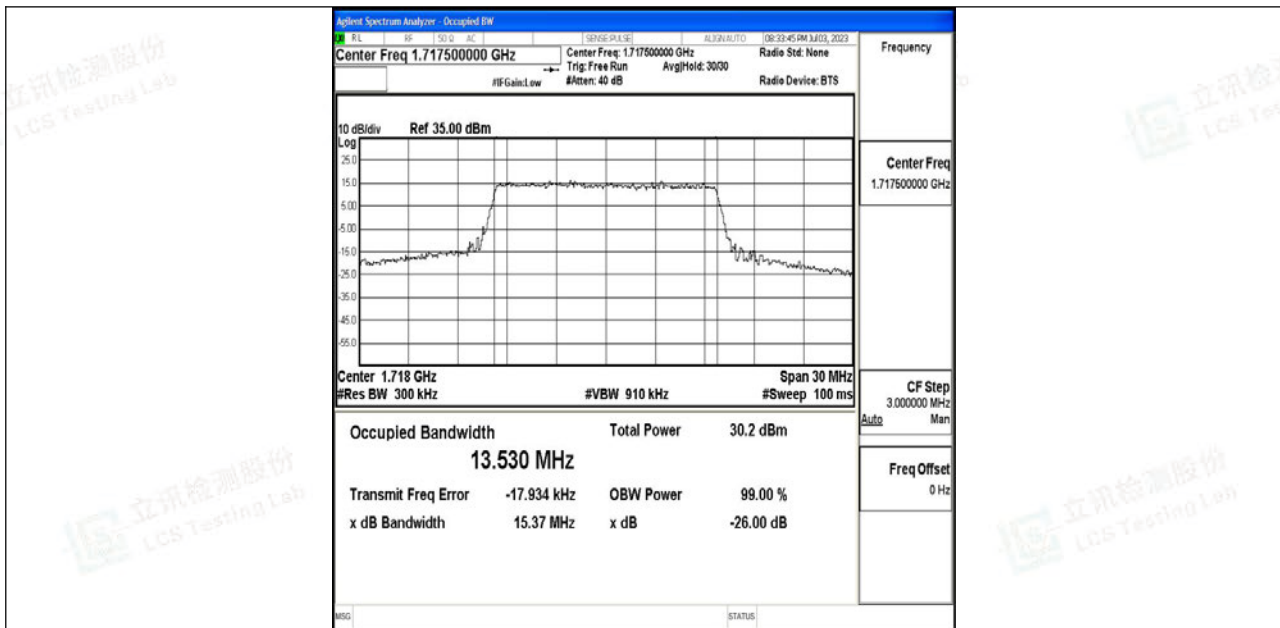


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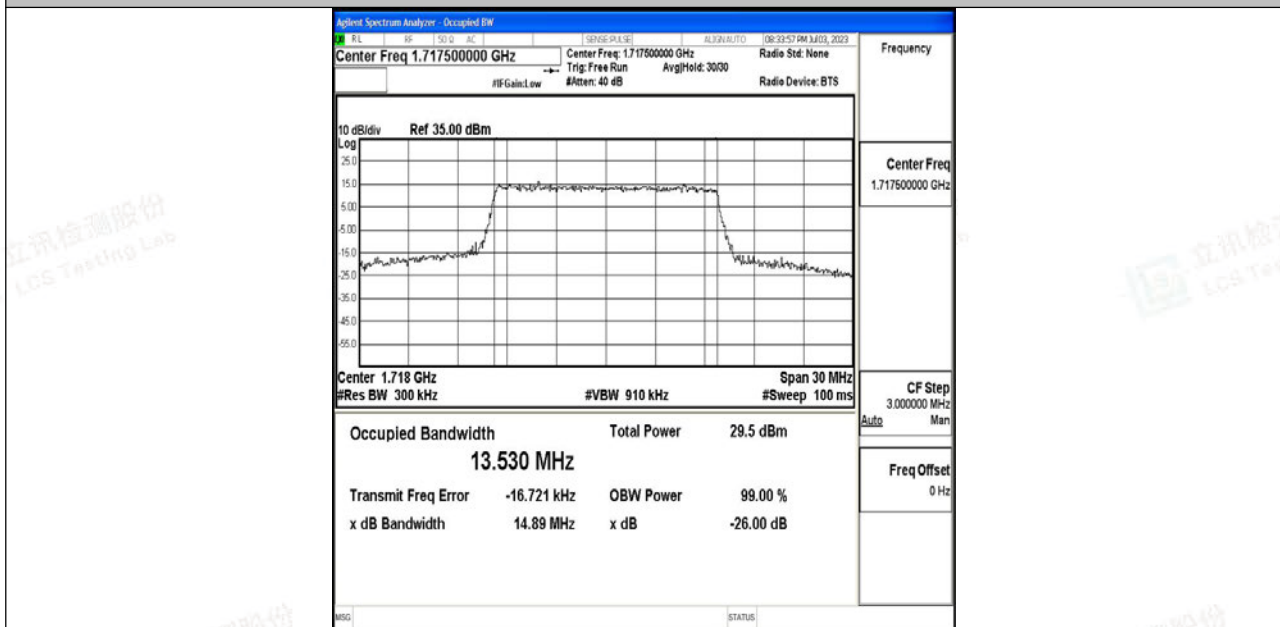
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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15MHz-20025



15MHz-20025

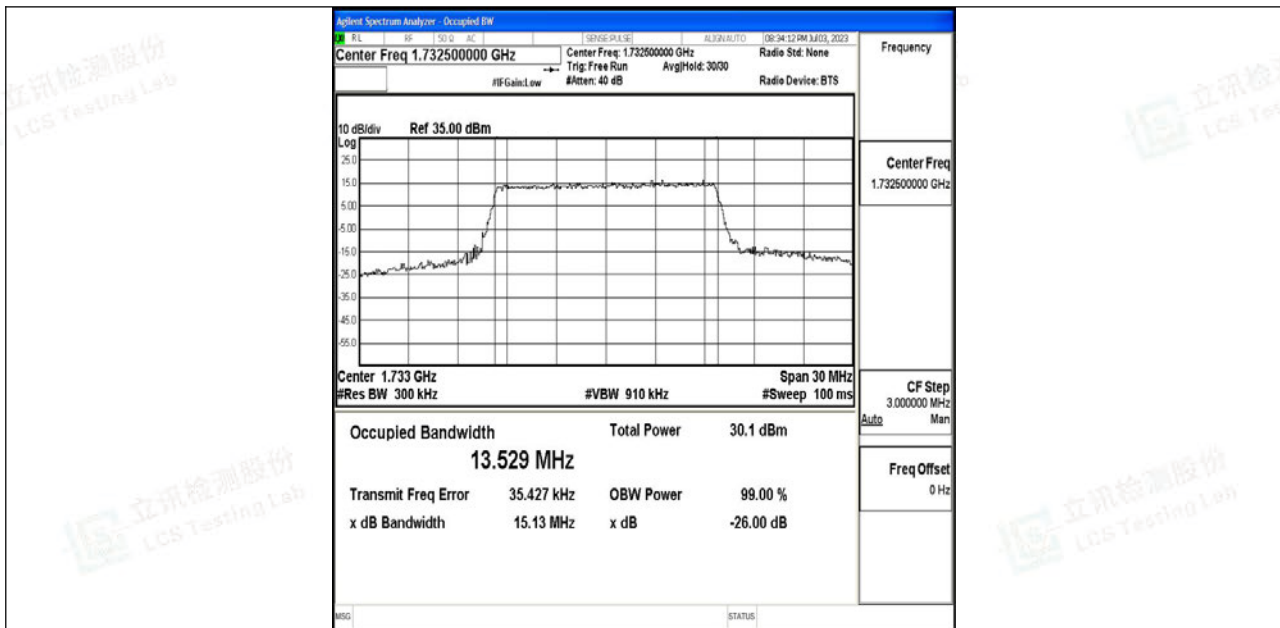


Shenzhen LCS Compliance Testing Laboratory Ltd.

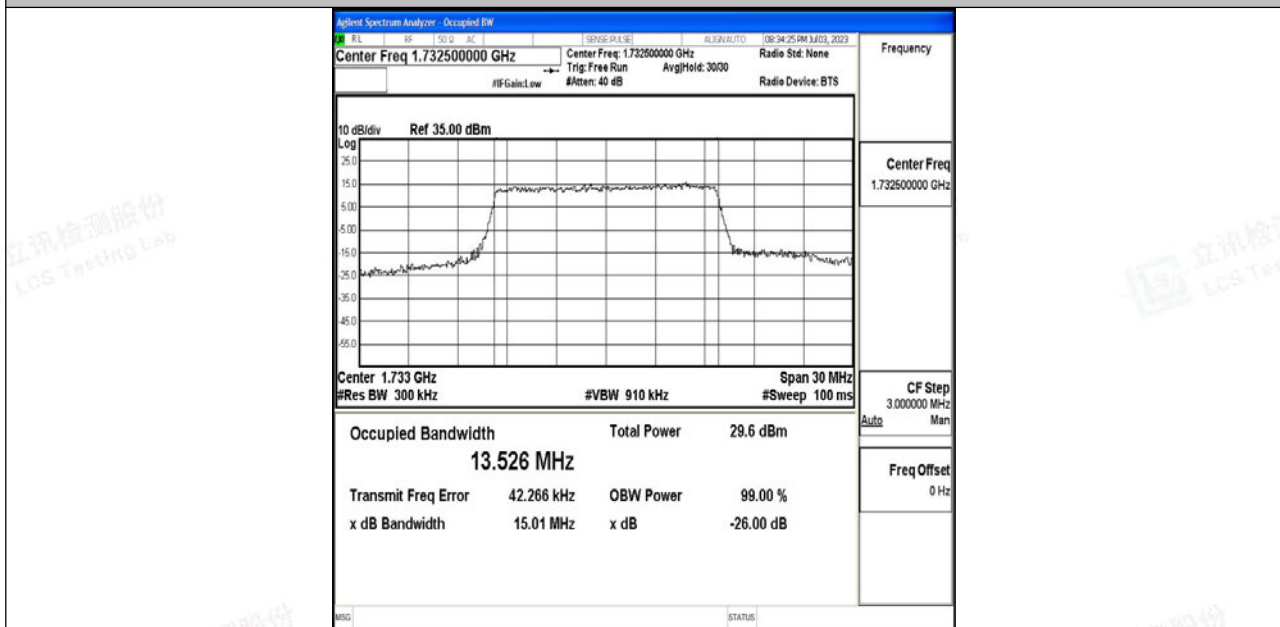
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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15MHz-20175



15MHz-20175

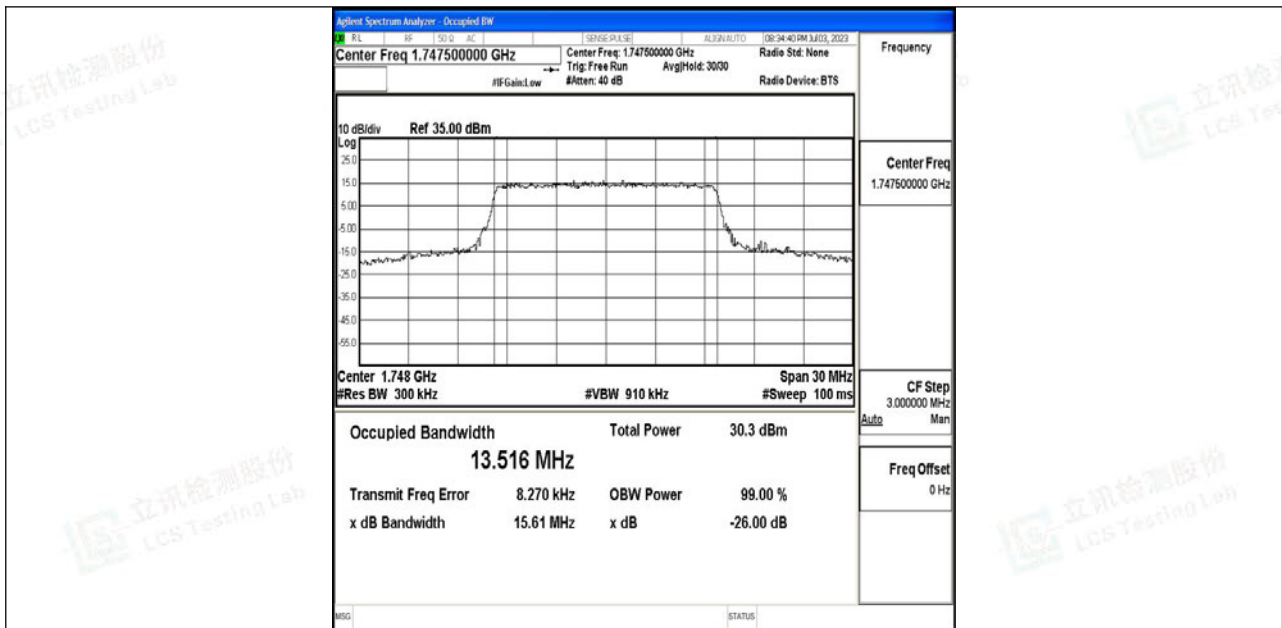


Shenzhen LCS Compliance Testing Laboratory Ltd.

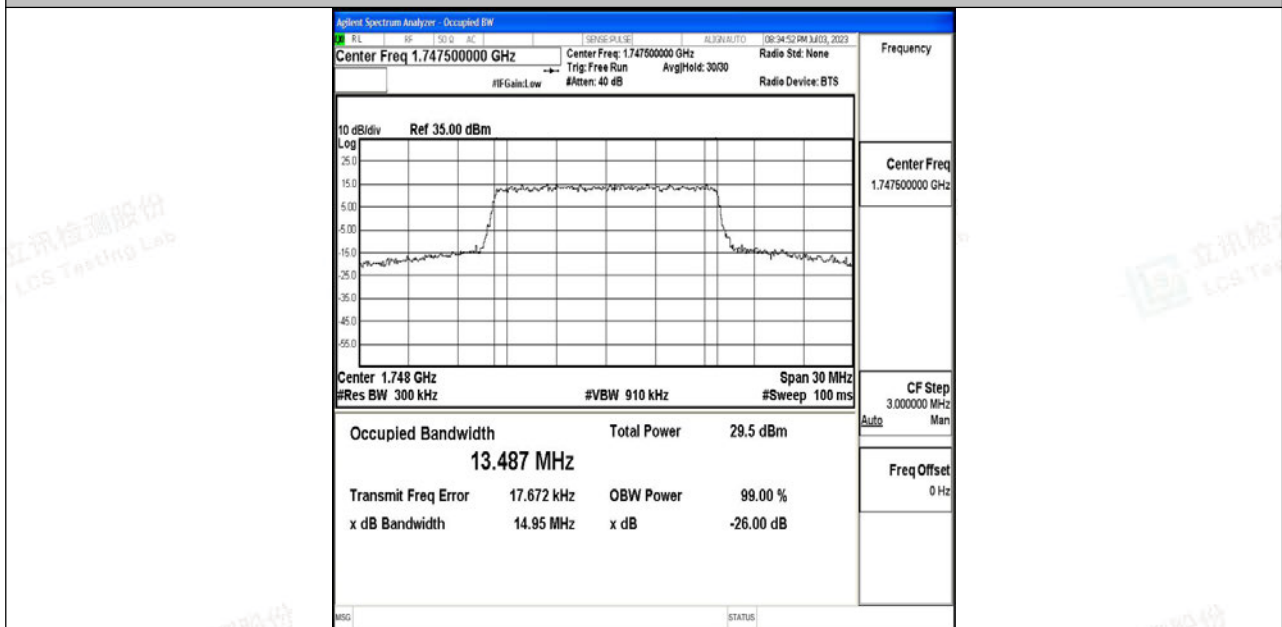
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15MHz-20325



15MHz-20325

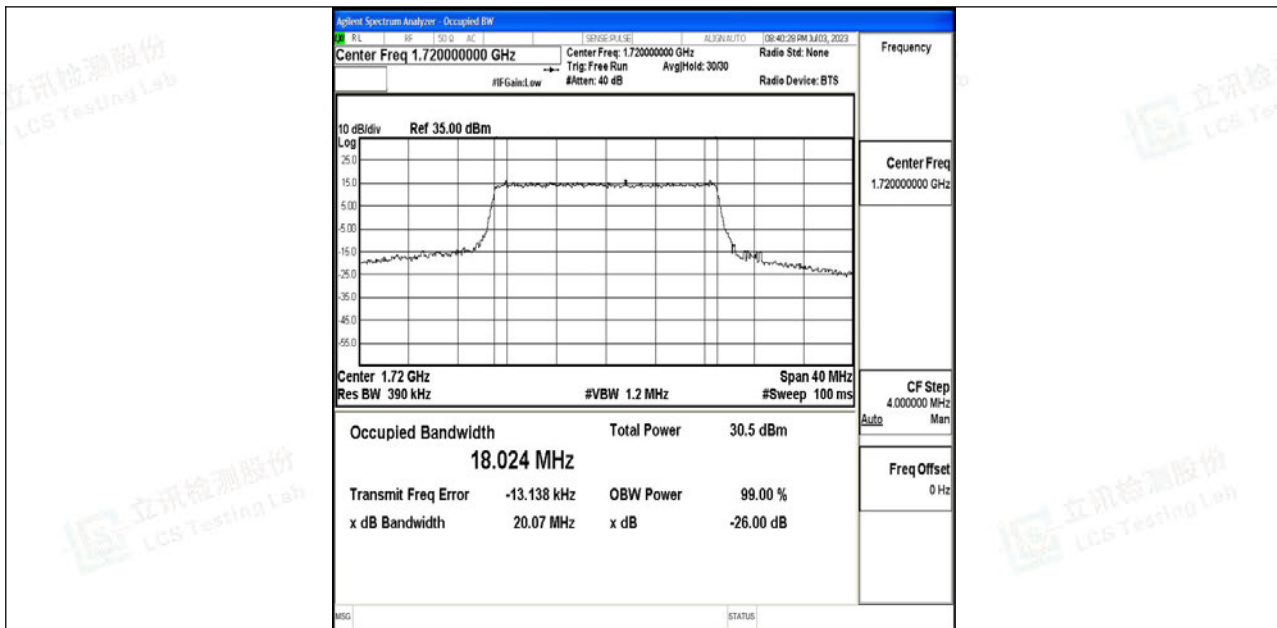


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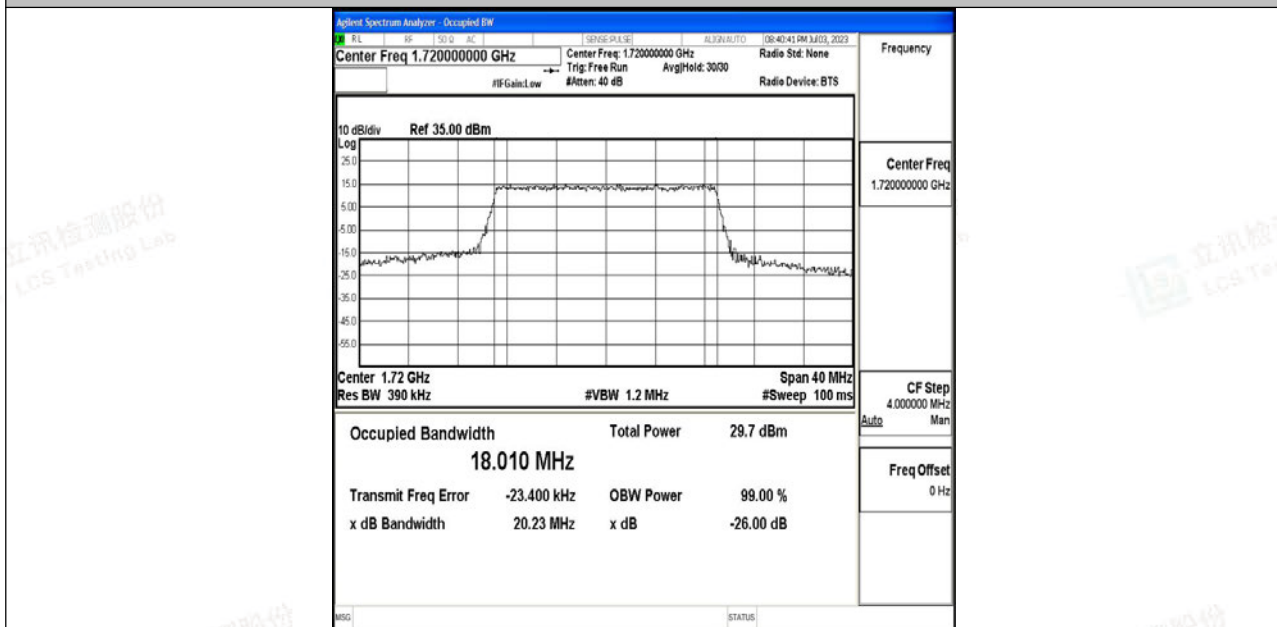
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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20MHz-20050



20MHz-20050

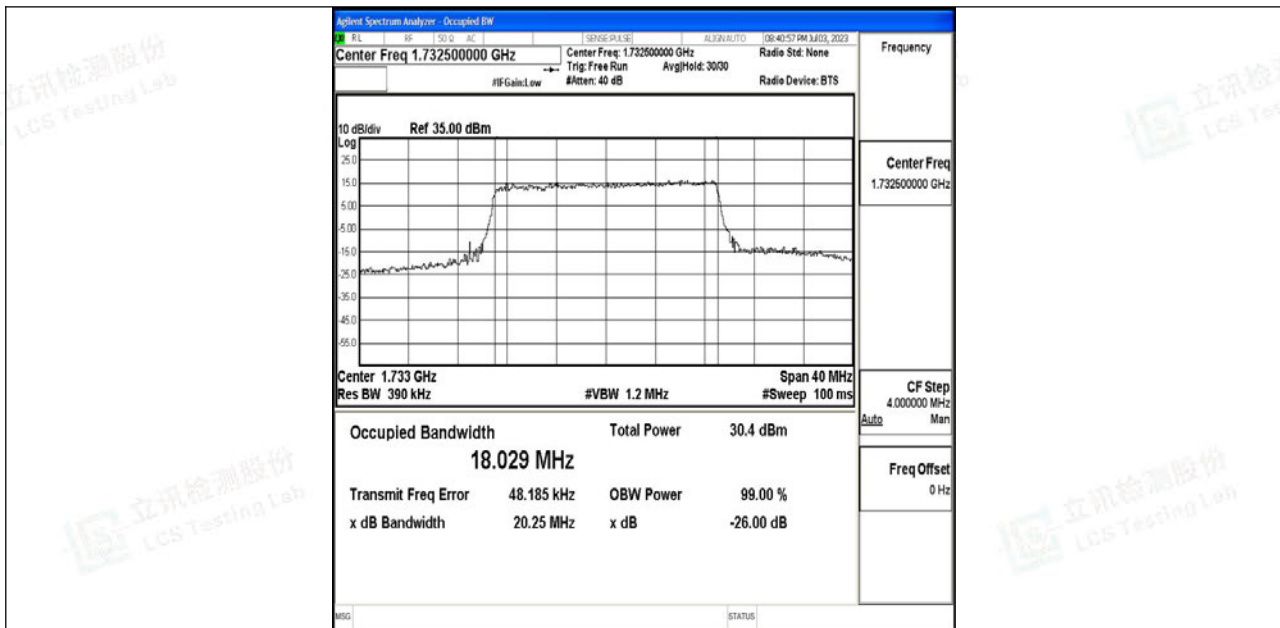


Shenzhen LCS Compliance Testing Laboratory Ltd.

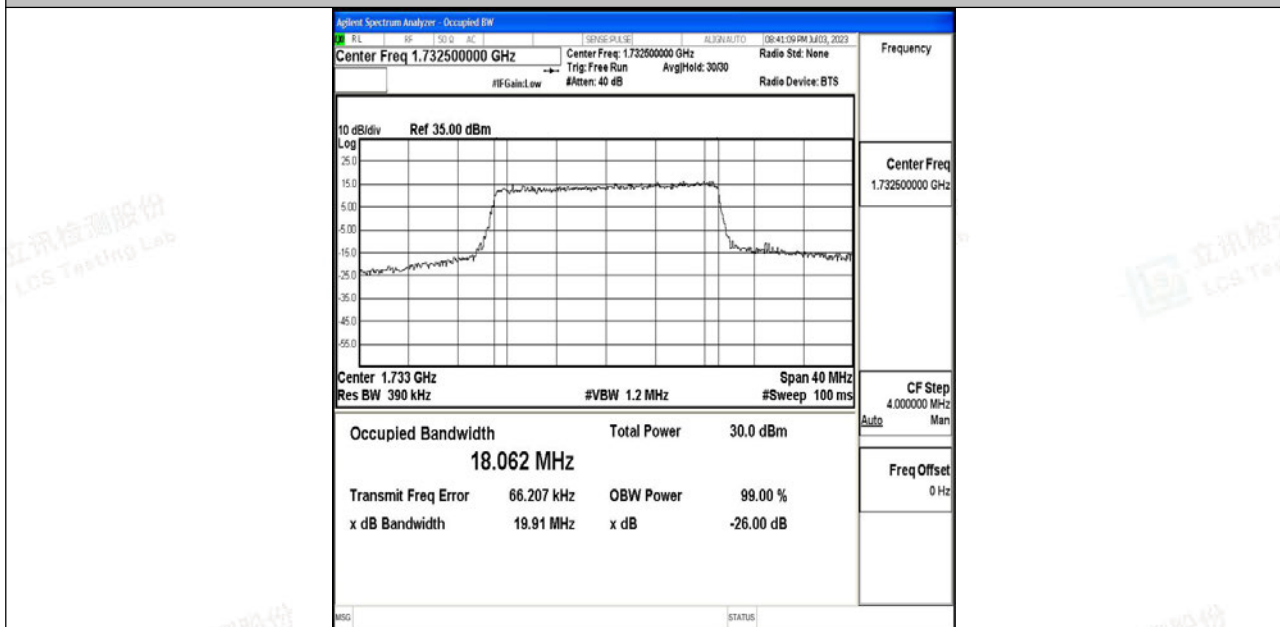
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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20MHz-20175



20MHz-20175

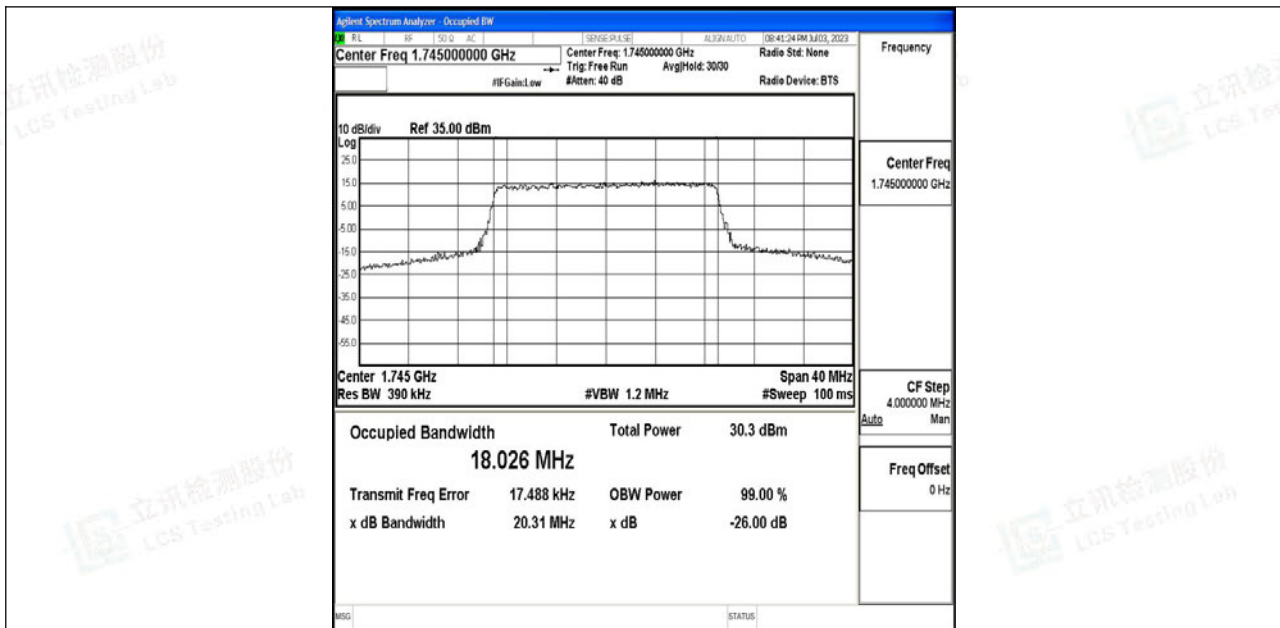


Shenzhen LCS Compliance Testing Laboratory Ltd.

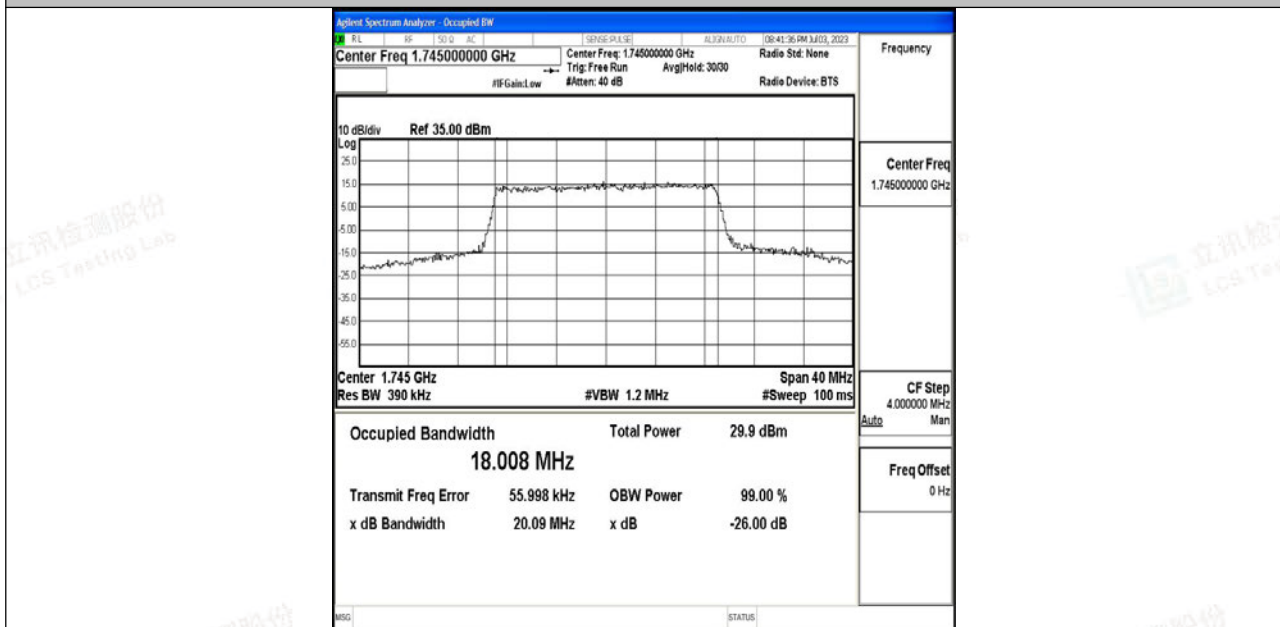
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20MHz-20300



20MHz-20300



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I.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.97	-24.91	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1708.94	-43.84	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1755.02	-24.16	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1756.00	-42.06	PASS
Band4	5MHz	QPSK	19975	25RB#0	1708.94	-28.72	PASS
Band4	5MHz	16QAM	19975	25RB#0	1708.93	-29.56	PASS
Band4	5MHz	QPSK	20375	25RB#0	1756.04	-28.09	PASS
Band4	5MHz	16QAM	20375	25RB#0	1756.34	-28.82	PASS
Band4	3MHz	QPSK	19965	15RB#0	1708.96	-34.75	PASS
Band4	3MHz	16QAM	19965	15RB#0	1708.78	-37.62	PASS
Band4	3MHz	QPSK	20385	15RB#0	1756.05	-31.37	PASS
Band4	3MHz	16QAM	20385	15RB#0	1756.00	-34.11	PASS
Band4	10MHz	QPSK	20000	50RB#0	1708.78	-28.95	PASS
Band4	10MHz	16QAM	20000	50RB#0	1708.72	-29.38	PASS
Band4	10MHz	QPSK	20350	50RB#0	1756.15	-26.53	PASS
Band4	10MHz	16QAM	20350	50RB#0	1756.12	-27.79	PASS
Band4	15MHz	QPSK	20025	75RB#0	1708.94	-27.42	PASS
Band4	15MHz	16QAM	20025	75RB#0	1708.68	-28.41	PASS
Band4	15MHz	QPSK	20325	75RB#0	1756.01	-25.30	PASS
Band4	15MHz	16QAM	20325	75RB#0	1756.08	-26.46	PASS
Band4	20MHz	QPSK	20050	100RB#0	1708.77	-27.55	PASS
Band4	20MHz	16QAM	20050	100RB#0	1708.73	-28.98	PASS
Band4	20MHz	QPSK	20300	100RB#0	1756.25	-25.66	PASS
Band4	20MHz	16QAM	20300	100RB#0	1756.47	-26.27	PASS



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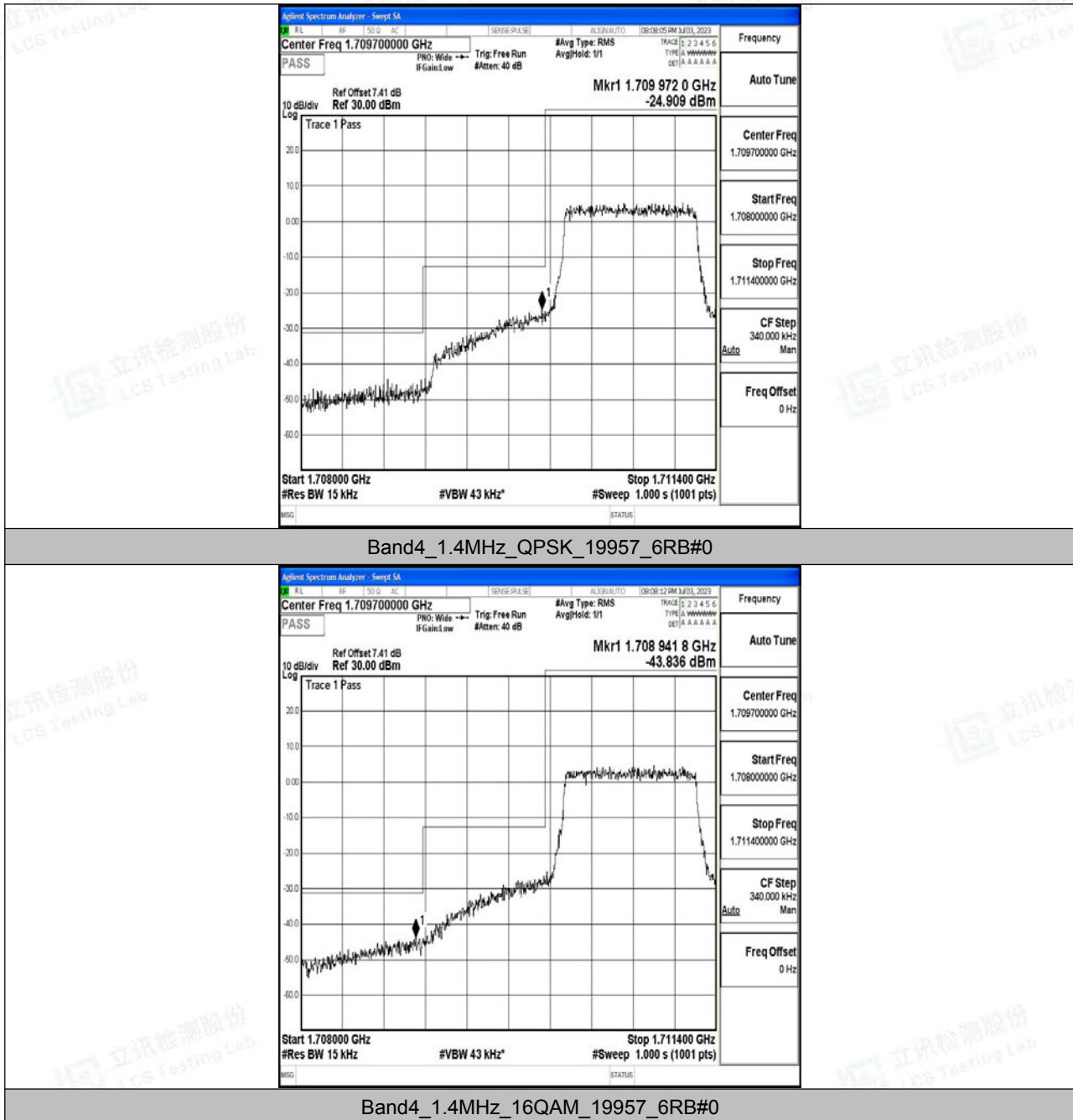
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Test Graphs

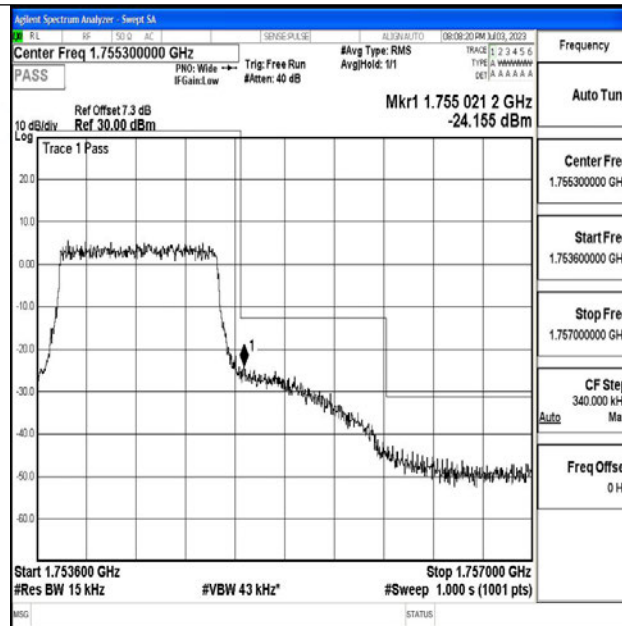


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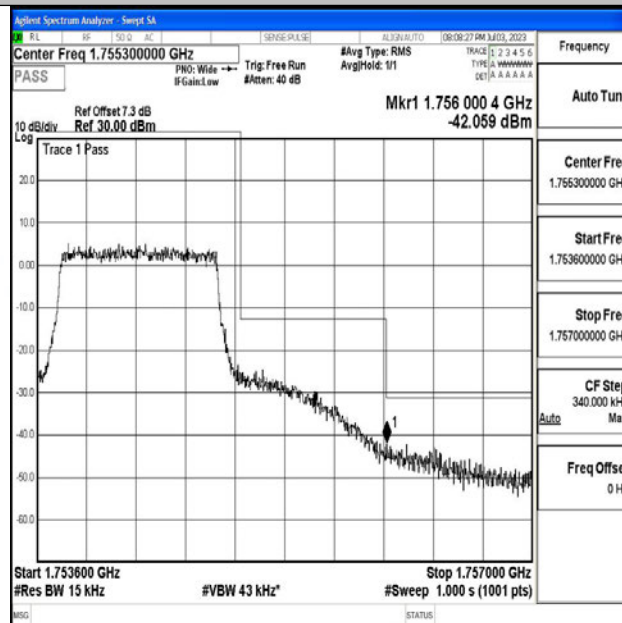
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Band4_1.4MHz_QPSK_20393_6RB#0



Band4_1.4MHz_16QAM_20393_6RB#0

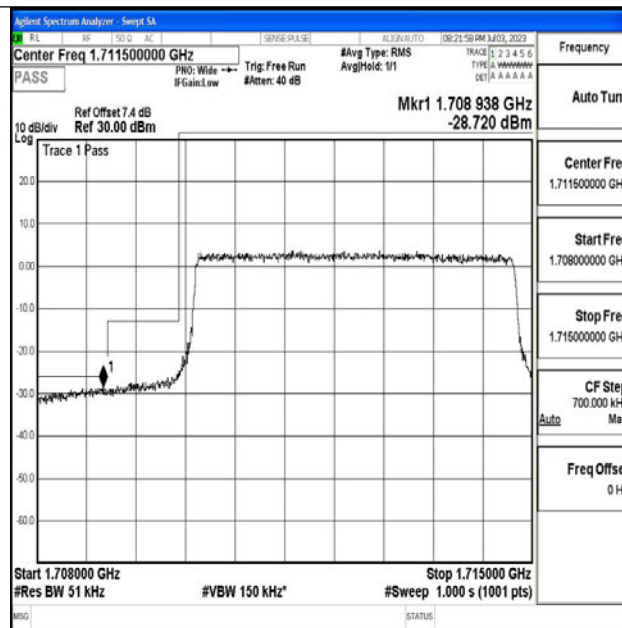


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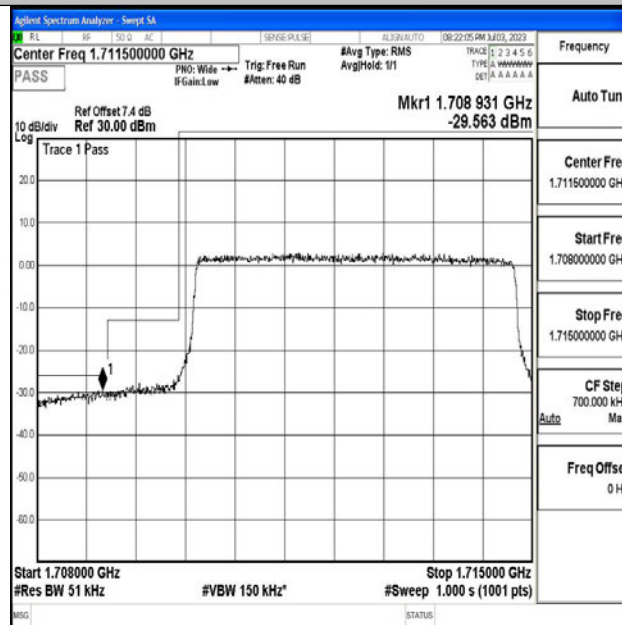
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Band4_5MHz_QPSK_19975_25RB#0



Band4_5MHz_16QAM_19975_25RB#0

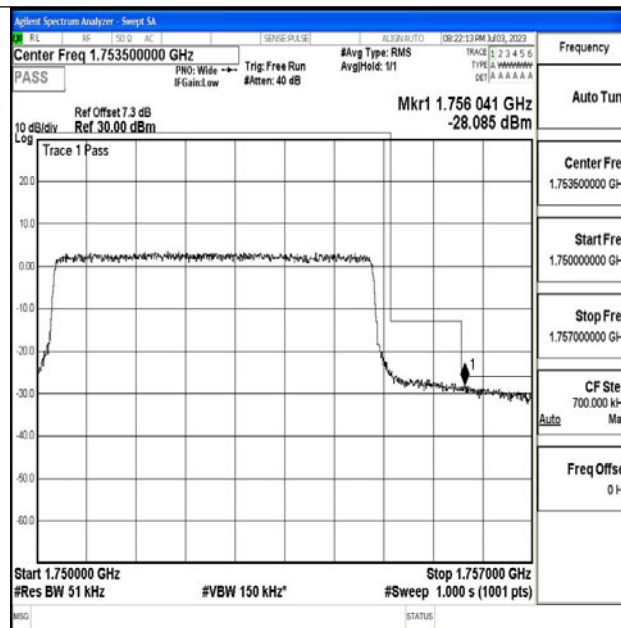


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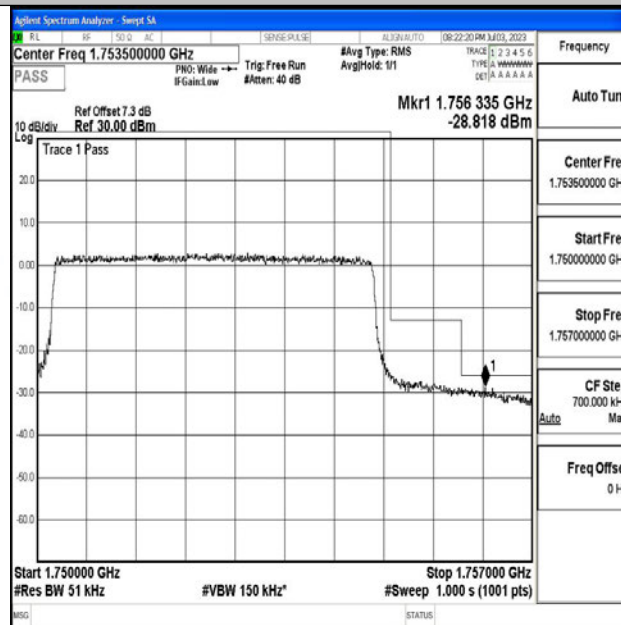
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Band4_5MHz_QPSK_20375_25RB#0



Band4_5MHz_16QAM_20375_25RB#0

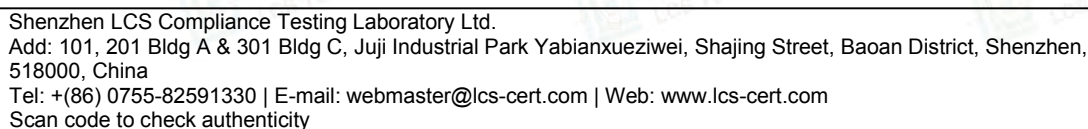


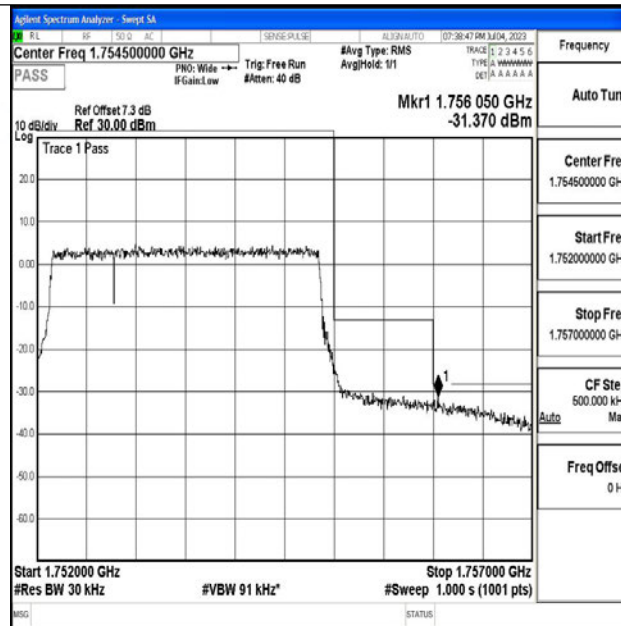
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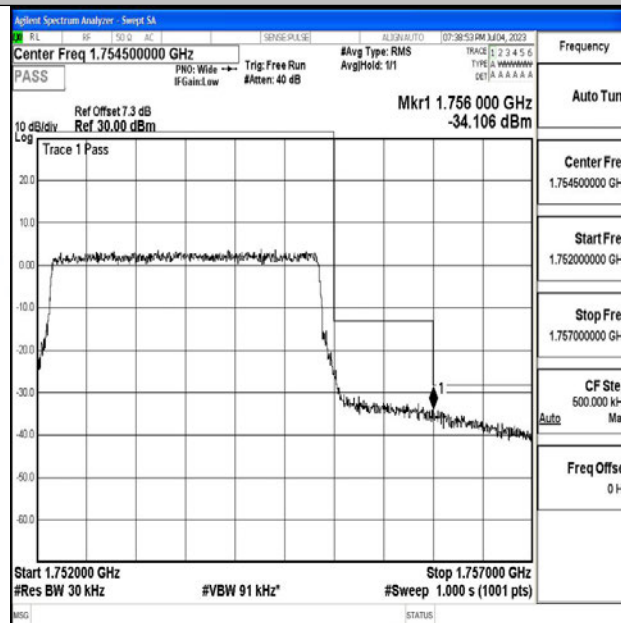
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Band4_3MHz_QPSK_20385_15RB#0



Band4_3MHz_16QAM_20385_15RB#0

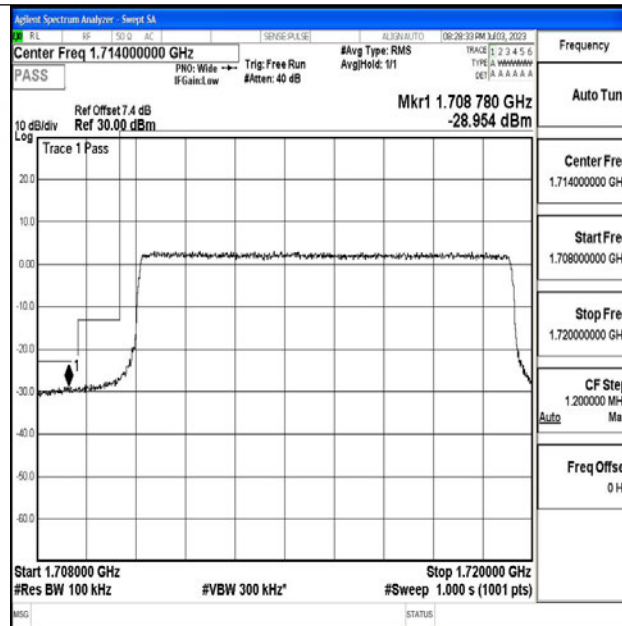


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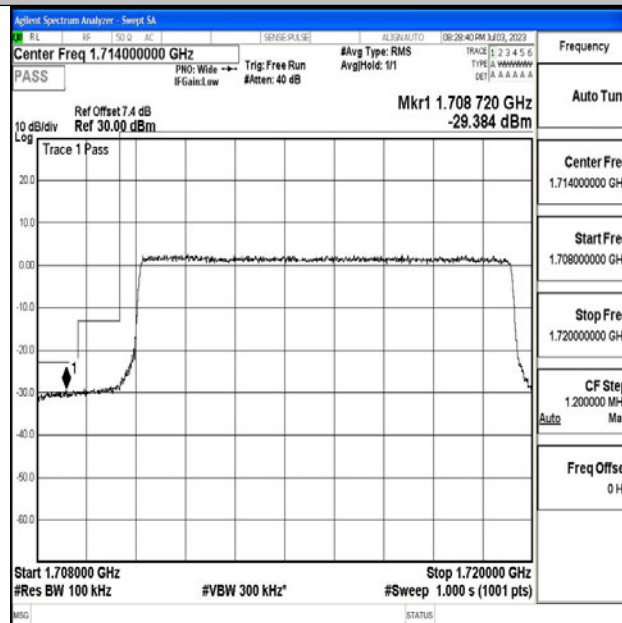
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Band4_10MHz_QPSK_20000_50RB#0



Band4_10MHz_16QAM_20000_50RB#0

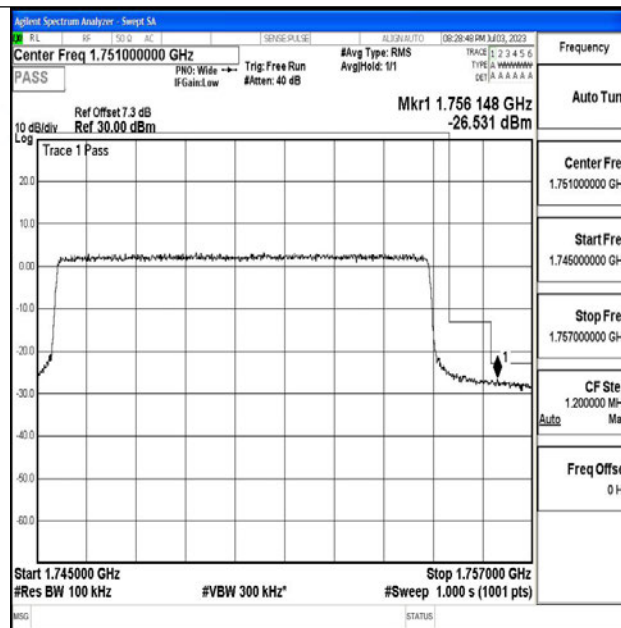


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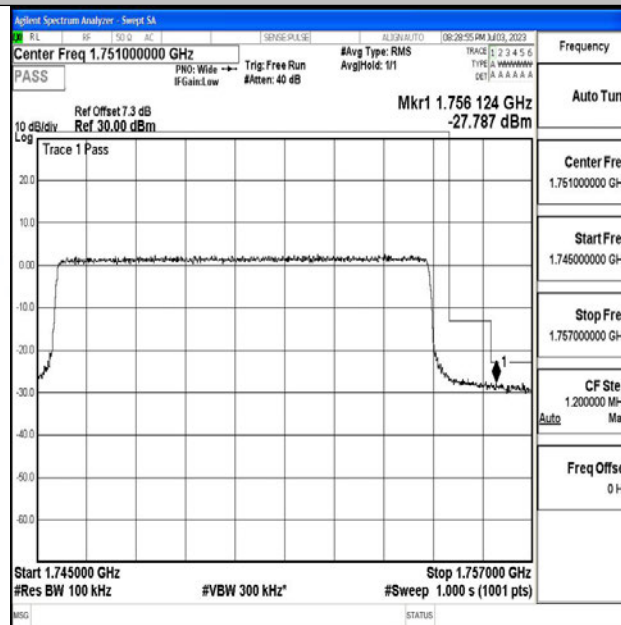
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Band4_10MHz_QPSK_20350_50RB#0



Band4_10MHz_16QAM_20350_50RB#0

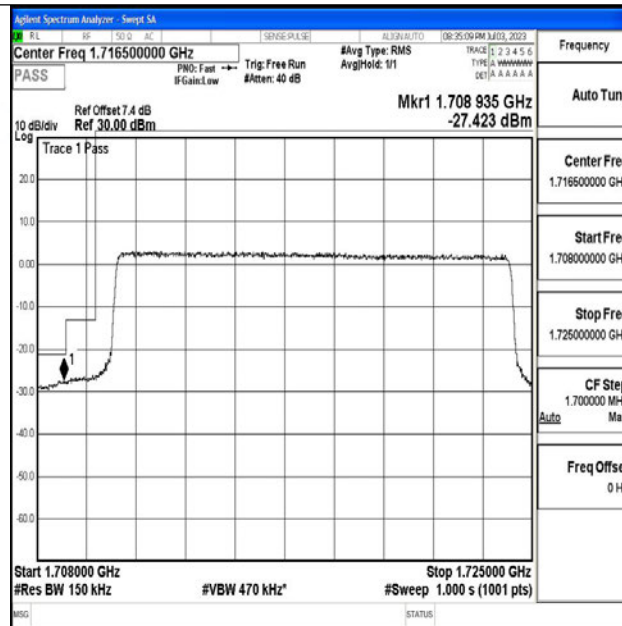


Shenzhen LCS Compliance Testing Laboratory Ltd.

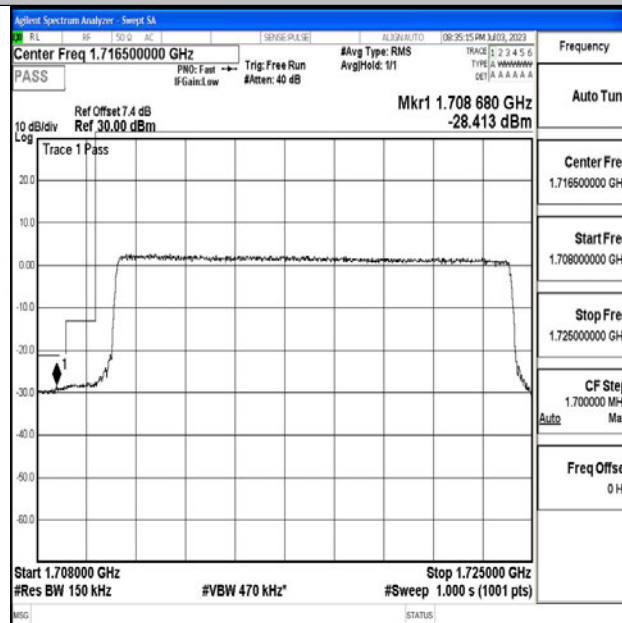
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Band4_15MHz_QPSK_20025_75RB#0



Band4_15MHz_16QAM_20025_75RB#0



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