Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502026-05

Pet locator

M/N:HW-PET10

FCC ID:2AQSK-HW-PET10

Applicant:HuiZhou BoShiJie Technology CO.,Ltd

Appendix for LTE Band 17

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.93	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.67	PASS
Band17	5MHz	QPSK	23755	1RB#24	25.00	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.37	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.29	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.04	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.70	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.62	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.30	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.43	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.19	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.25	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.99	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.62	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.37	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.13	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.11	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.11	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.15	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.28	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.28	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.79	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.63	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.87	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.09	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.11	PASS
Band17	5MHz	16QAM	23790	12RB#13	22.31	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.13	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.55	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.24	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.91	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.80	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.88	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.04	PASS

Band17	5MHz	QPSK	23825	25RB#0	22.45	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.55	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.42	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.13	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.98	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.90	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.99	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.36	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.28	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.23	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.84	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.70	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.62	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.35	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.19	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.28	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.18	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.93	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.42	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.58	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.32	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.99	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.81	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.98	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.32	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.17	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.13	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.62	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.80	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.84	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.98	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.12	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.80	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.32	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.07	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.19	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.73	PASS

Band17	10MHz	QPSK	23800	50RB#0	23.38	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.67	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.63	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.10	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.12	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.17	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.80	PASS

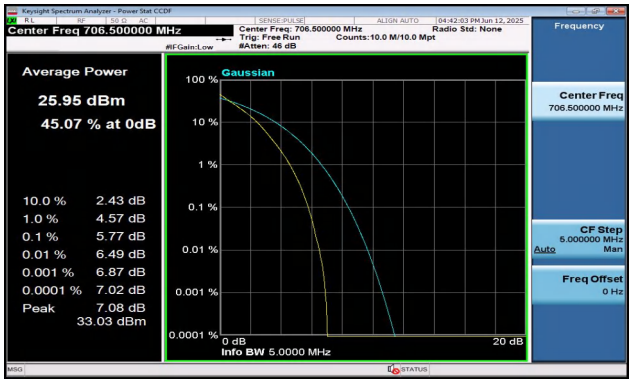
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

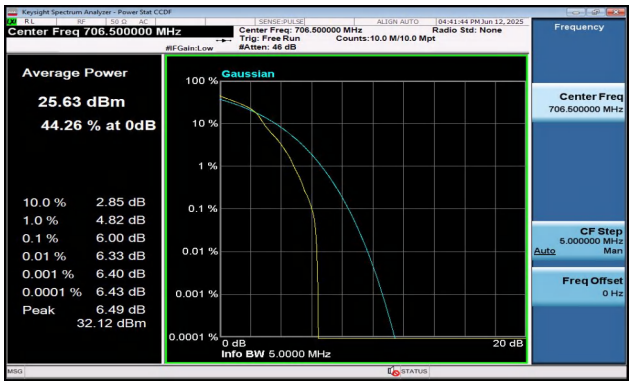
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.11	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.77	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	6.00	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.38	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.18	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.61	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	6.39	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.39	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.73	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.63	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.54	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.20	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.30	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.44	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.93	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.22	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.36	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	6.26	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.47	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.43	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	6.36	13	PASS

Test Graphs

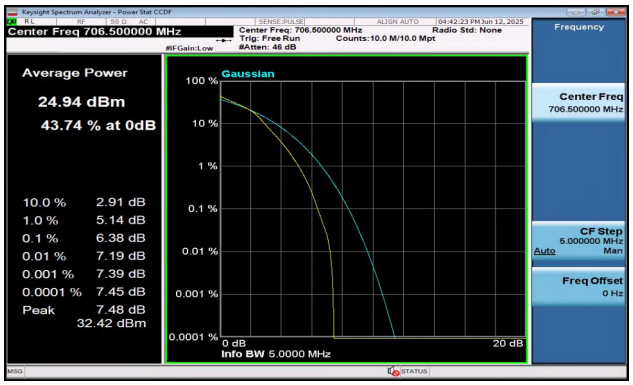
Band17-5MHz-QPSK-23755-1RB#0-PASS



Band17-5MHz-QPSK-23755-25RB#0-PASS



Band17-5MHz-16QAM-23755-1RB#0-PASS

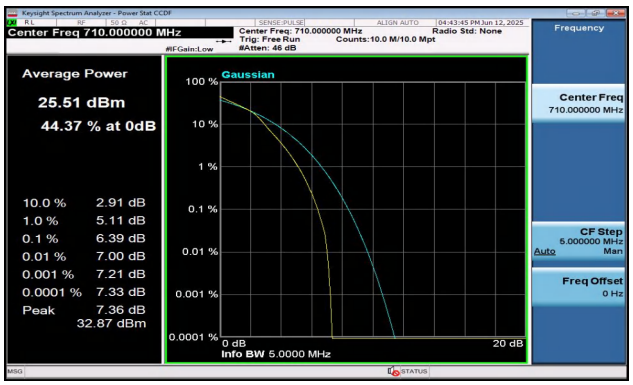


Band17-5MHz-16QAM-23755-25RB#0-PASS

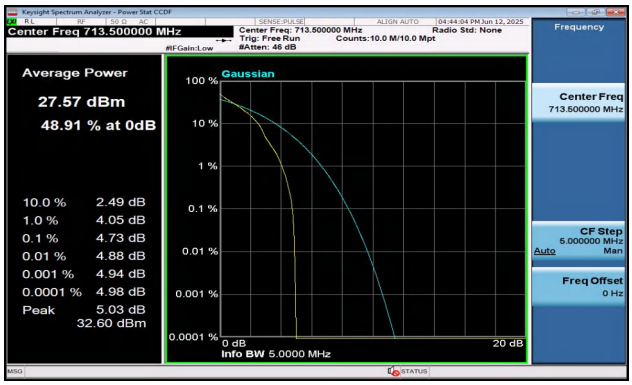
Band17-5MHz-QPSK-23790-1RB#0-PASS

Band17-5MHz-QPSK-23790-25RB#0-PASS

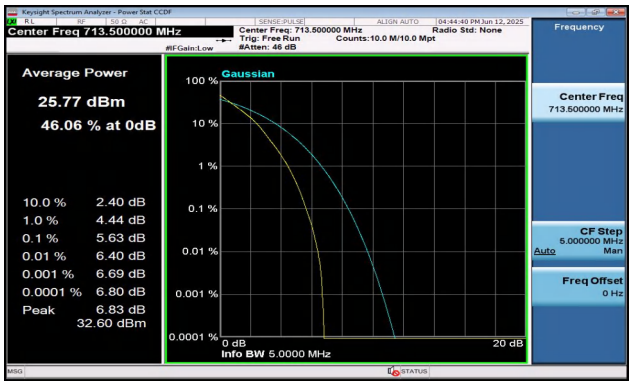
Band17-5MHz-16QAM-23790-1RB#0-PASS



Band17-5MHz-16QAM-23790-25RB#0-PASS



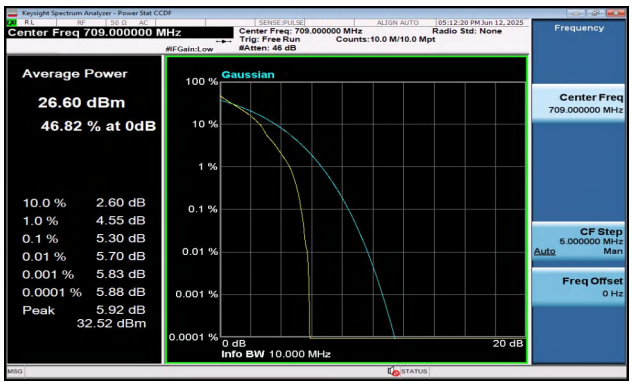
Band17-5MHz-QPSK-23825-1RB#0-PASS



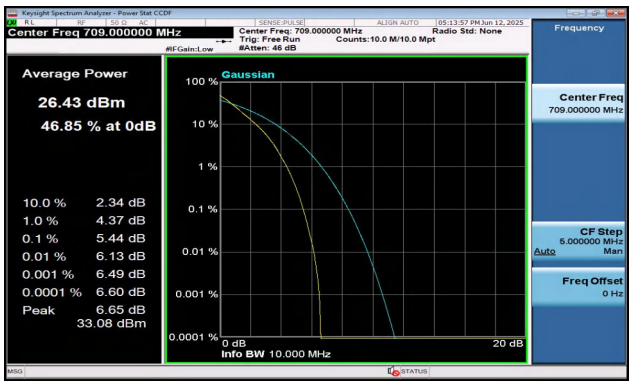
Band17-5MHz-QPSK-23825-25RB#0-PASS

Band17-5MHz-16QAM-23825-1RB#0-PASS

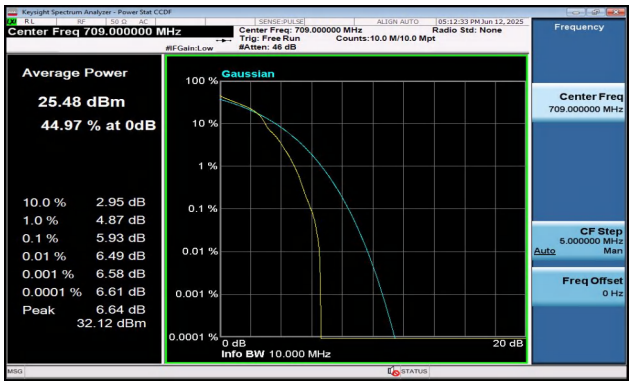
Band17-5MHz-16QAM-23825-25RB#0-PASS



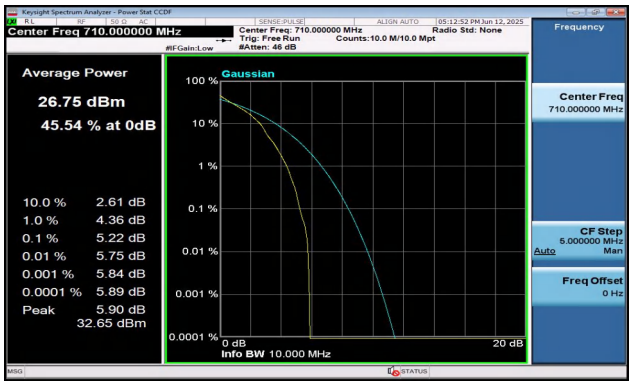
Band17-10MHz-QPSK-23780-1RB#0-PASS



Band17-10MHz-QPSK-23780-50RB#0-PASS



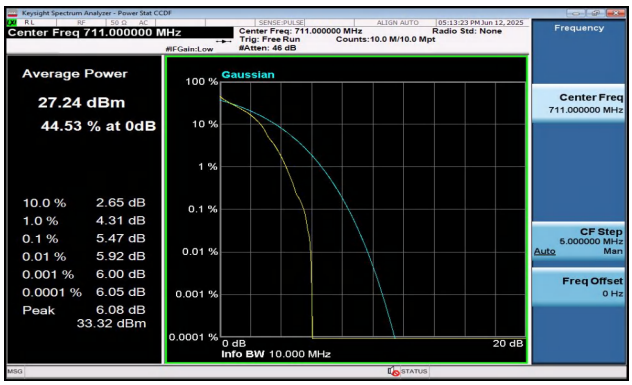
Band17-10MHz-16QAM-23780-1RB#0-PASS



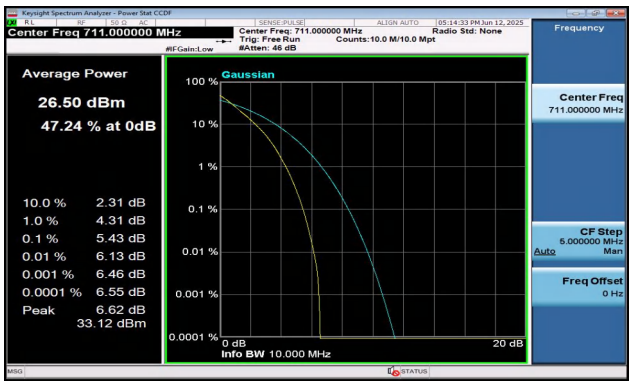
Band17-10MHz-QPSK-23790-1RB#0-PASS

Band17-10MHz-QPSK-23790-50RB#0-PASS

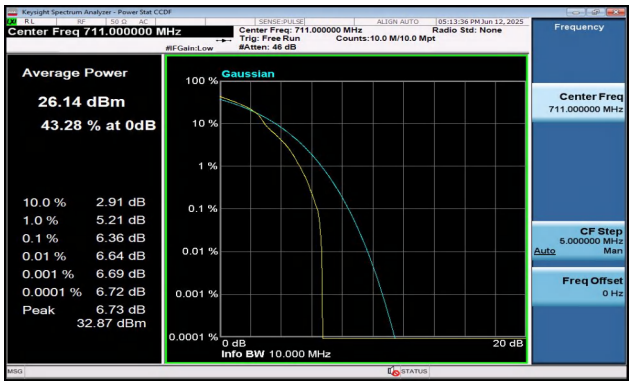
Band17-10MHz-16QAM-23790-1RB#0-PASS



Band17-10MHz-QPSK-23800-1RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23800-1RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

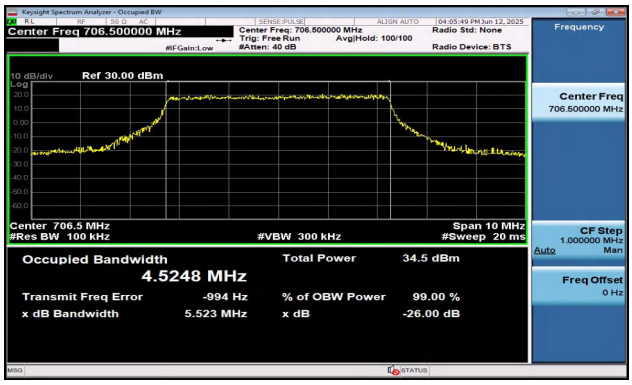
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5248	5.523	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5272	5.538	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5376	5.553	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5188	5.632	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5349	5.446	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5343	5.564	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9747	10.51	PASS
Band17	10MHz	16QAM	23780	27RB#0	5.0866	6.633	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9695	10.47	PASS
Band17	10MHz	16QAM	23790	27RB#0	5.0360	6.413	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0034	10.50	PASS
Band17	10MHz	16QAM	23800	27RB#0	5.0179	6.407	PASS

Shenzhen GUOREN Certification Technology Service Co., Ltd.

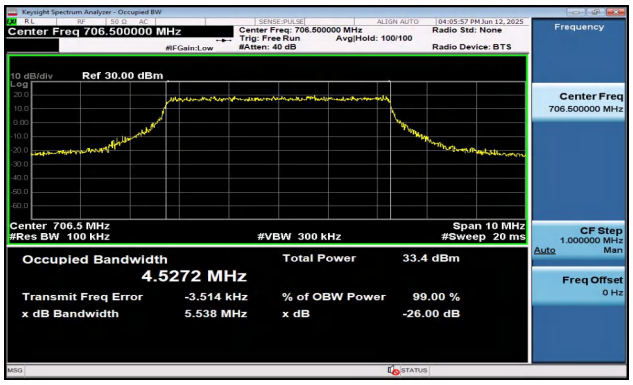
101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502026-05

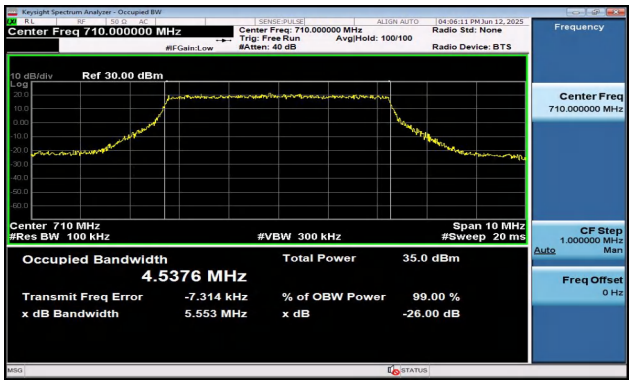
Test Graphs



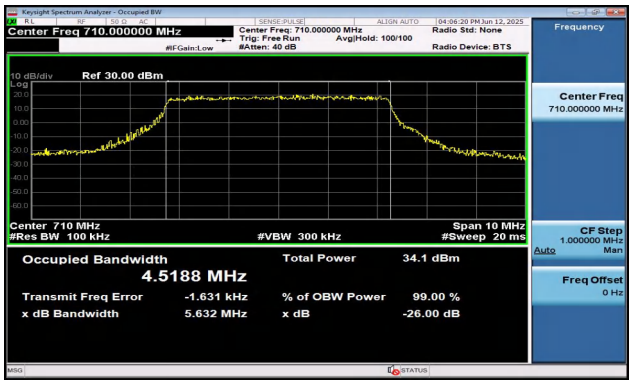
Band17-5MHz-QPSK-23755-25RB#0-PASS



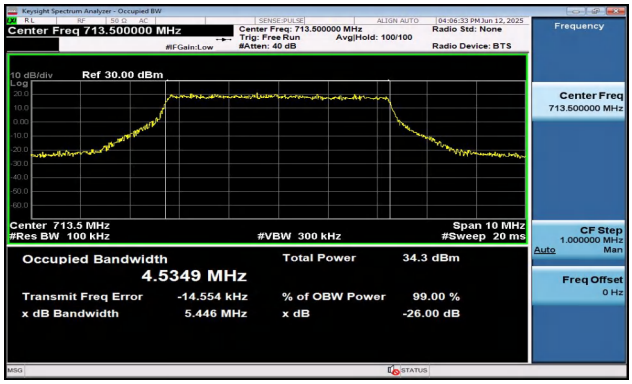
Band17-5MHz-16QAM-23755-25RB#0-PASS



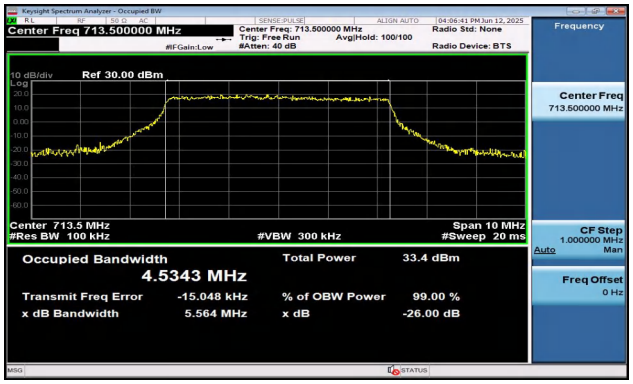
Band17-5MHz-QPSK-23790-25RB#0-PASS



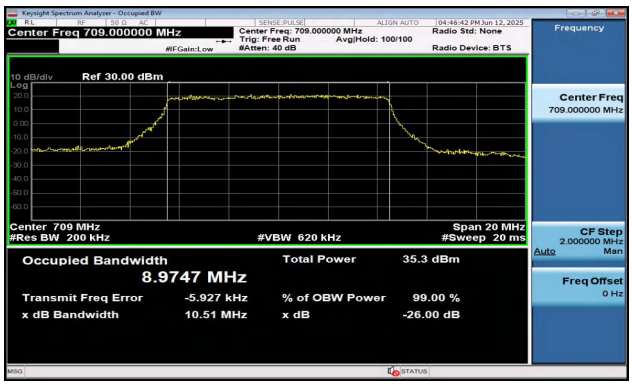
Band17-5MHz-16QAM-23790-25RB#0-PASS



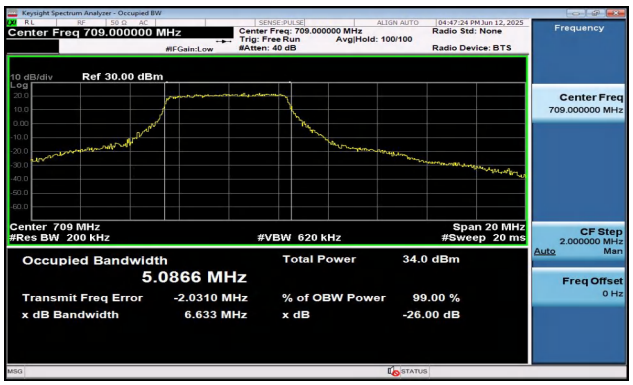
Band17-5MHz-QPSK-23825-25RB#0-PASS



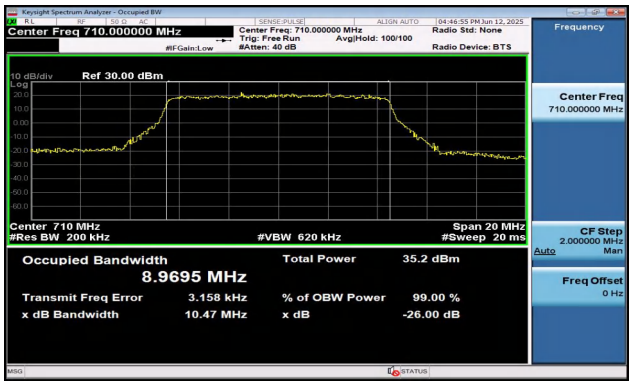
Band17-5MHz-16QAM-23825-25RB#0-PASS



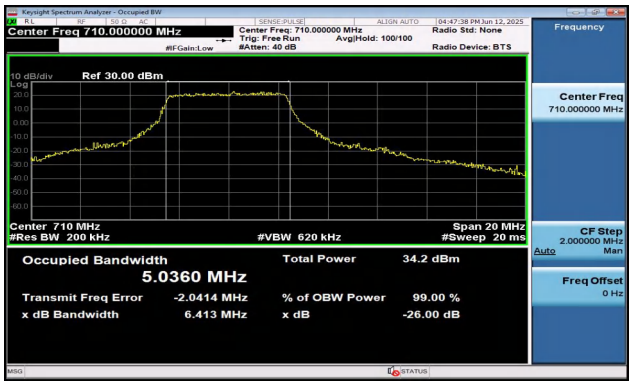
Band17-10MHz-QPSK-23780-50RB#0-PASS



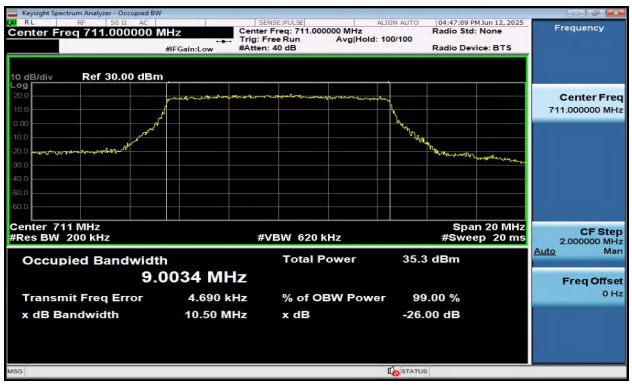
Band17-10MHz-16QAM-23780-27RB#0-PASS



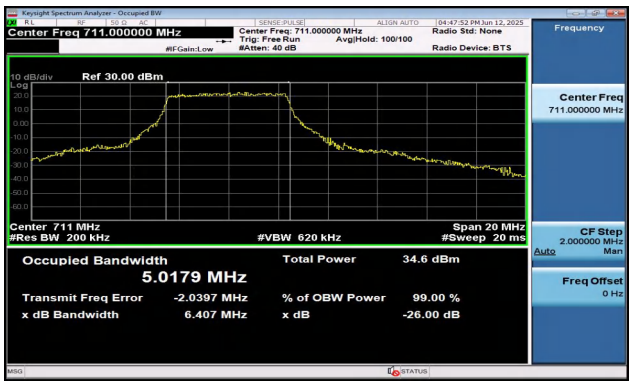
Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-16QAM-23790-27RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



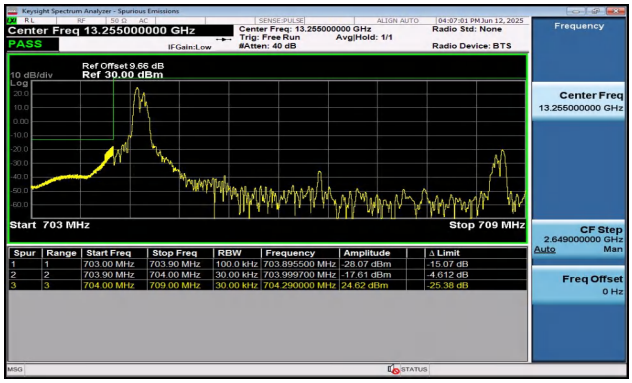
Band17-10MHz-16QAM-23800-27RB#0-PASS

Appendix D: Band Edge

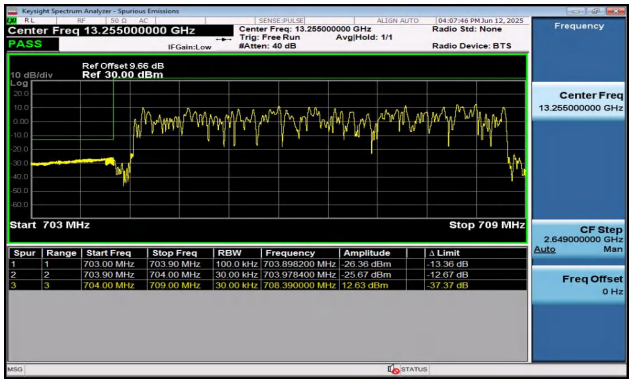
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-17.61	PASS
Band17	5MHz	QPSK	23755	1RB#24	-51.57	PASS
Band17	5MHz	QPSK	23755	25RB#0	-25.67	PASS
Band17	5MHz	16QAM	23755	1RB#0	-20.70	PASS
Band17	5MHz	16QAM	23755	1RB#24	-52.11	PASS
Band17	5MHz	16QAM	23755	25RB#0	-26.86	PASS
Band17	5MHz	QPSK	23825	1RB#0	-51.84	PASS
Band17	5MHz	QPSK	23825	1RB#24	-19.06	PASS
Band17	5MHz	QPSK	23825	25RB#0	-27.15	PASS
Band17	5MHz	16QAM	23825	1RB#0	-52.31	PASS
Band17	5MHz	16QAM	23825	1RB#24	-20.83	PASS
Band17	5MHz	16QAM	23825	25RB#0	-29.72	PASS
Band17	10MHz	QPSK	23780	1RB#0	-30.93	PASS
Band17	10MHz	QPSK	23780	1RB#49	-52.51	PASS
Band17	10MHz	QPSK	23780	50RB#0	-29.34	PASS
Band17	10MHz	16QAM	23780	1RB#0	-31.07	PASS
Band17	10MHz	16QAM	23780	1RB#49	-52.65	PASS
Band17	10MHz	QPSK	23800	1RB#0	-52.65	PASS
Band17	10MHz	QPSK	23800	1RB#49	-30.30	PASS
Band17	10MHz	QPSK	23800	50RB#0	-33.58	PASS
Band17	10MHz	16QAM	23800	1RB#0	-52.76	PASS
Band17	10MHz	16QAM	23800	1RB#49	-33.40	PASS

Test Graphs



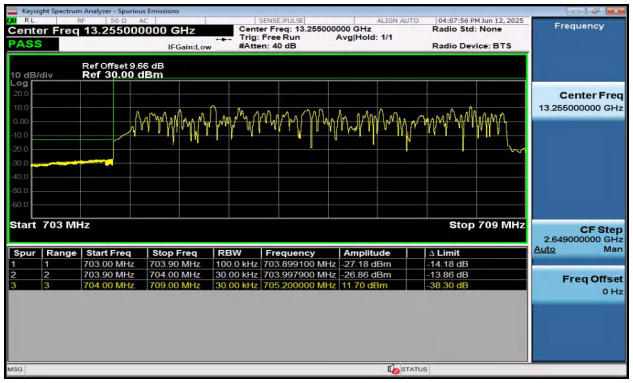
Band17-5MHz-QPSK-23755-1RB#0-PASS



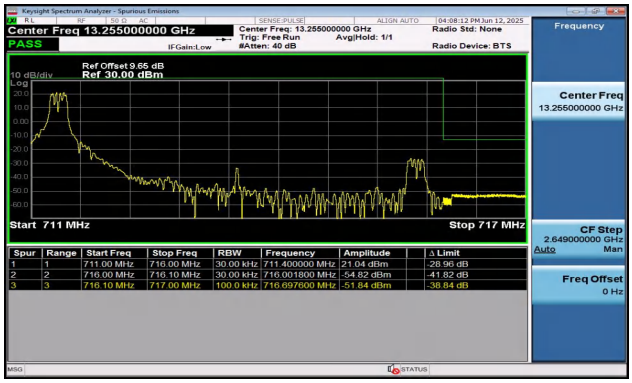
Band17-5MHz-QPSK-23755-1RB#24-PASS

Band17-5MHz-QPSK-23755-25RB#0-PASS

Band17-5MHz-16QAM-23755-1RB#0-PASS



Band17-5MHz-16QAM-23755-1RB#24-PASS



Band17-5MHz-16QAM-23755-25RB#0-PASS

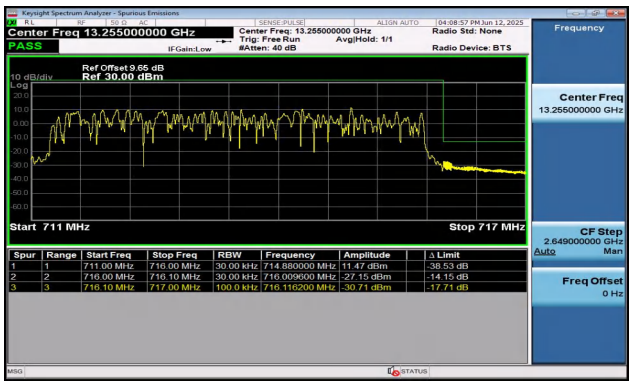
Band17-5MHz-QPSK-23825-1RB#0-PASS

Band17-5MHz-QPSK-23825-1RB#24-PASS

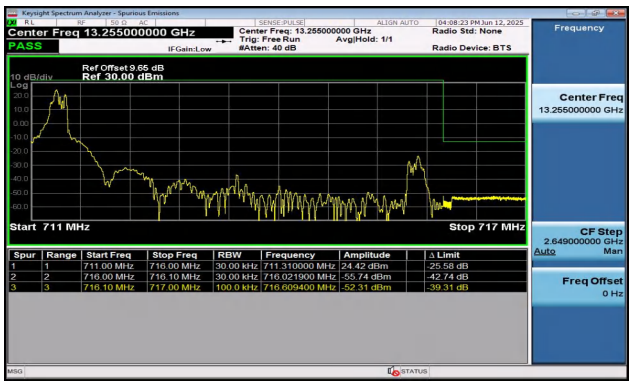
Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

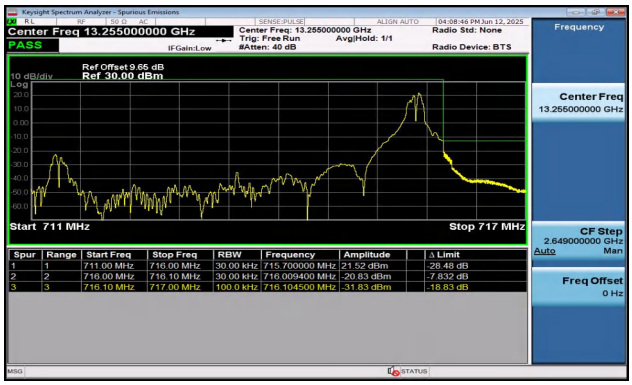
No.:GRCTR250502026-05



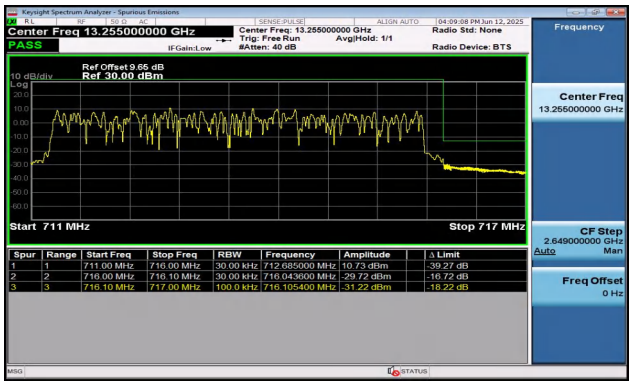
Band17-5MHz-QPSK-23825-25RB#0-PASS



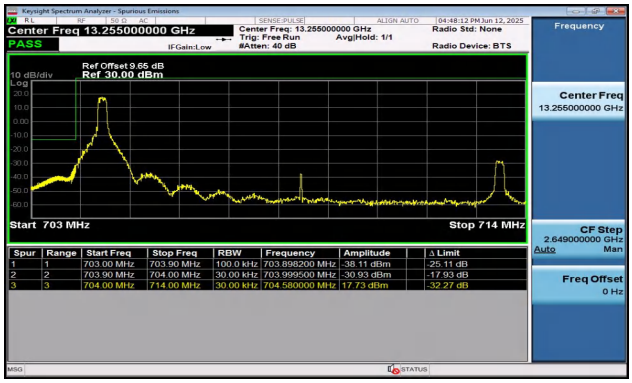
Band17-5MHz-16QAM-23825-1RB#0-PASS



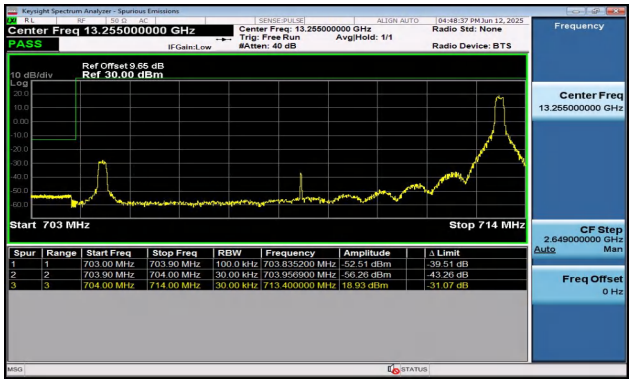
Band17-5MHz-16QAM-23825-1RB#24-PASS



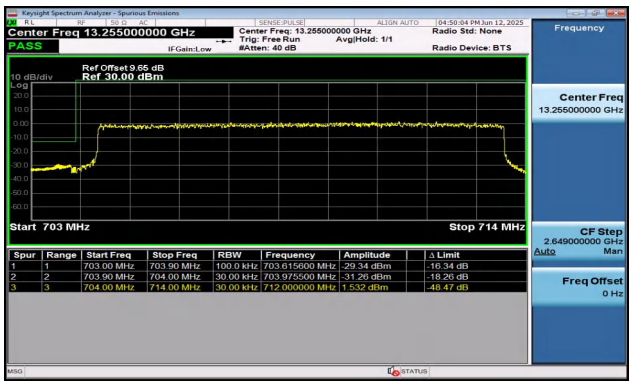
Band17-5MHz-16QAM-23825-25RB#0-PASS



Band17-10MHz-QPSK-23780-1RB#0-PASS

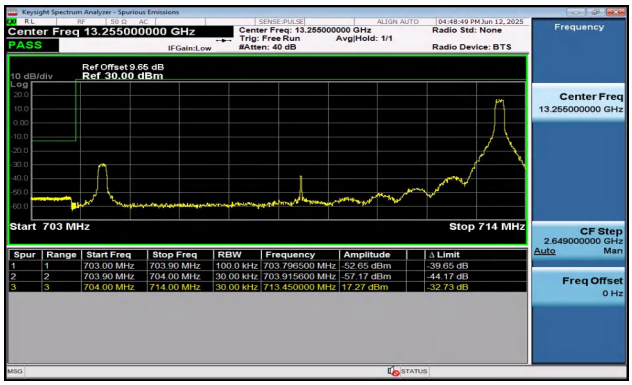


Band17-10MHz-QPSK-23780-1RB#49-PASS

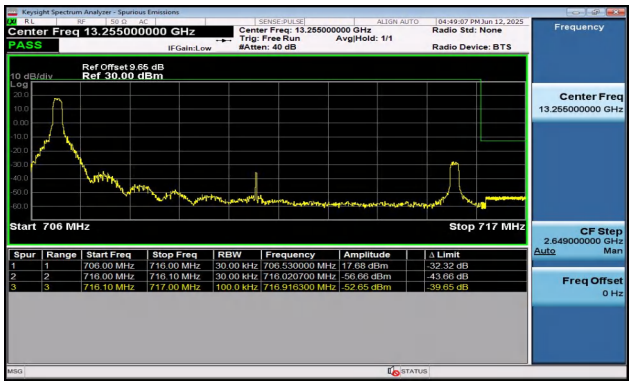


Band17-10MHz-QPSK-23780-50RB#0-PASS

Band17-10MHz-16QAM-23780-1RB#0-PASS

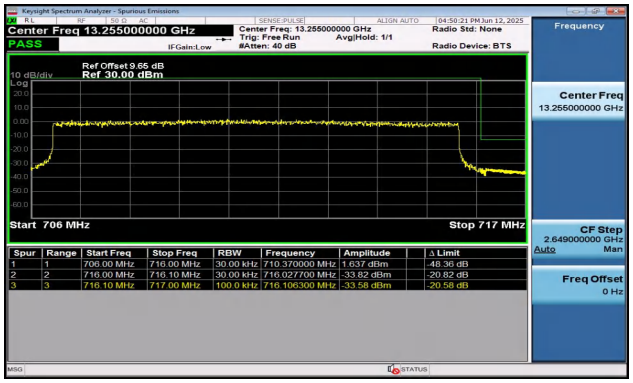


Band17-10MHz-16QAM-23780-1RB#49-PASS



Band17-10MHz-QPSK-23800-1RB#0-PASS

Band17-10MHz-QPSK-23800-1RB#49-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS