



## Appendix F: Test Data for E-UTRA Band 5

Product Name: Smartphone

Test Model: HY65PB1401NA

### Environmental Conditions

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





### F.1 Conducted Power Output Data

#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.66	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.66	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.65	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.61	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.56	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.60	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.56	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.52	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.88	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.50	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.44	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.54	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.49	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.53	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.34	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.00	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.33	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.96	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.47	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.99	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.72	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.27	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.56	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.44	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.55	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.43	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.23	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.80	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.27	PASS





Band5	3MHz	16QAM	20415	1RB#0	22.20	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.20	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.19	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.17	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.54	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.18	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.60	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.16	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.61	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.23	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.20	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.16	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.26	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.70	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.33	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.68	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.30	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.51	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.37	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.56	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.69	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.90	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.17	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.19	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.13	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.10	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.09	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.57	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.11	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.58	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.14	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.31	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.12	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.11	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.53	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.77	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.24	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.86	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.20	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.78	PASS



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Scan code to check authenticity



Band5	3MHz	QPSK	20635	8RB#0	22.19	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.31	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.17	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.33	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.13	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.42	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.09	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.33	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.46	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.71	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.31	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.62	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.28	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.66	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.29	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.61	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.29	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.60	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.35	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.33	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.36	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.54	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.07	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.42	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.12	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.37	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.18	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.56	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.16	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.62	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.18	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.56	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.22	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.31	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.22	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.24	PASS
Band5	5MHz	QPSK	20625	1RB#0	21.98	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.16	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.27	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.18	PASS



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Band5	5MHz	QPSK	20625	1RB#24	23.21	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.13	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.10	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.23	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.07	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.23	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.19	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.24	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.26	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.31	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.31	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.40	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.24	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.37	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.17	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.30	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.21	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.52	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.38	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.53	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.41	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.27	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.27	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.54	PASS
Band5	10MHz	QPSK	20525	1RB#0	21.24	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.85	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.09	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.84	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.12	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.79	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.22	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.68	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.22	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.68	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.44	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.44	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.11	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.18	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.93	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.76	PASS



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Band5	10MHz	QPSK	20600	1RB#24	23.17	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.69	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.20	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.64	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.08	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.55	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.12	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.46	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.19	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.33	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.24	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.23	PASS





### F.2 Peak-to-Average Ratio(CCDF)

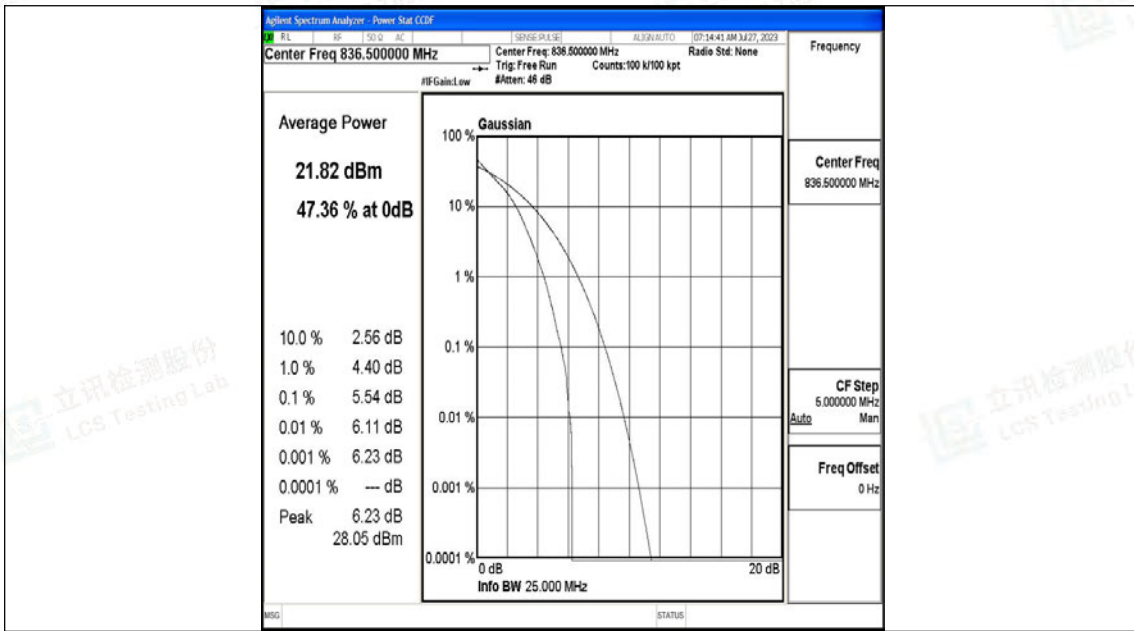
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.06	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.05	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.62	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.06	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.52	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.14	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.93	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.38	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.34	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.22	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.79	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.49	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.42	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.62	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.04	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.67	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.22	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.96	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.18	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.19	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.32	13	PASS

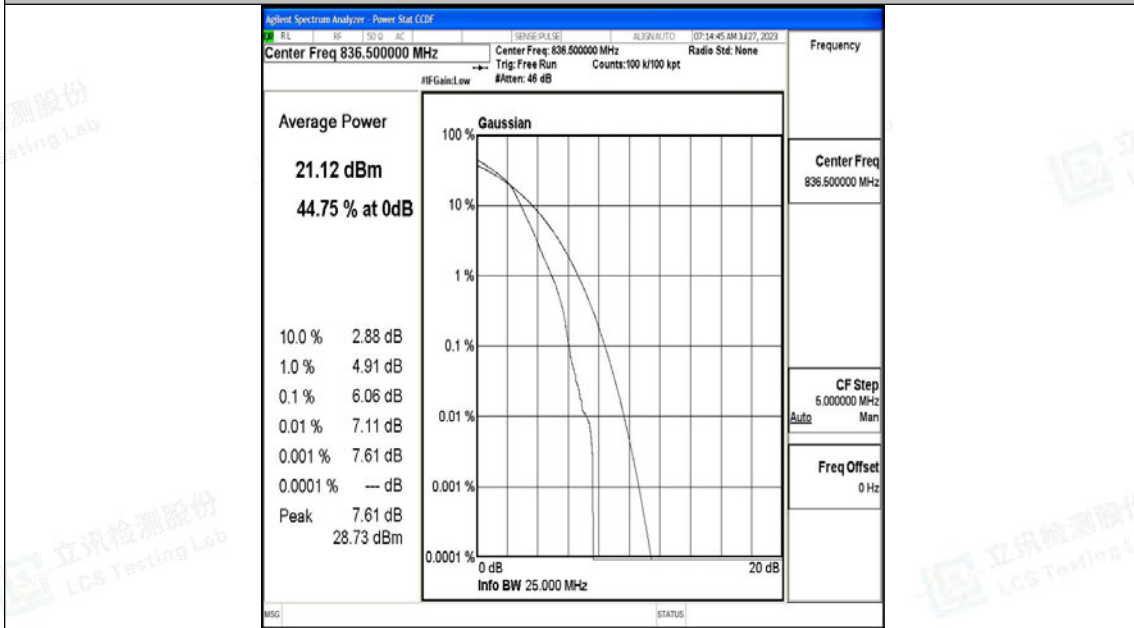




### Test Graphs



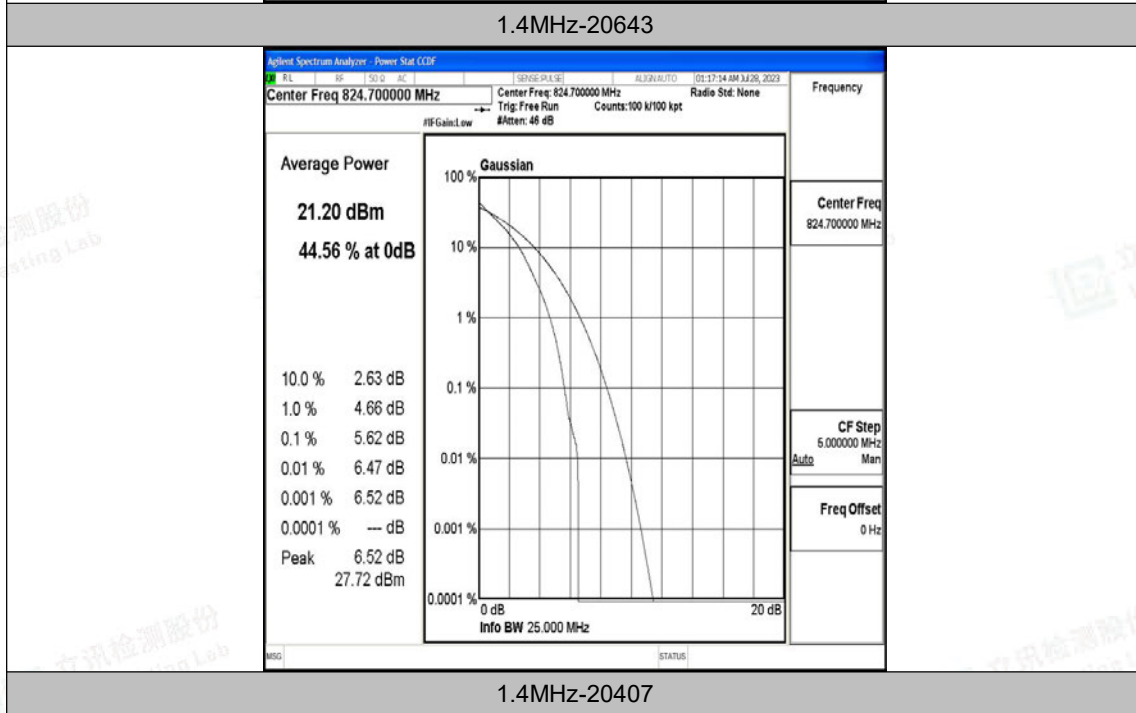
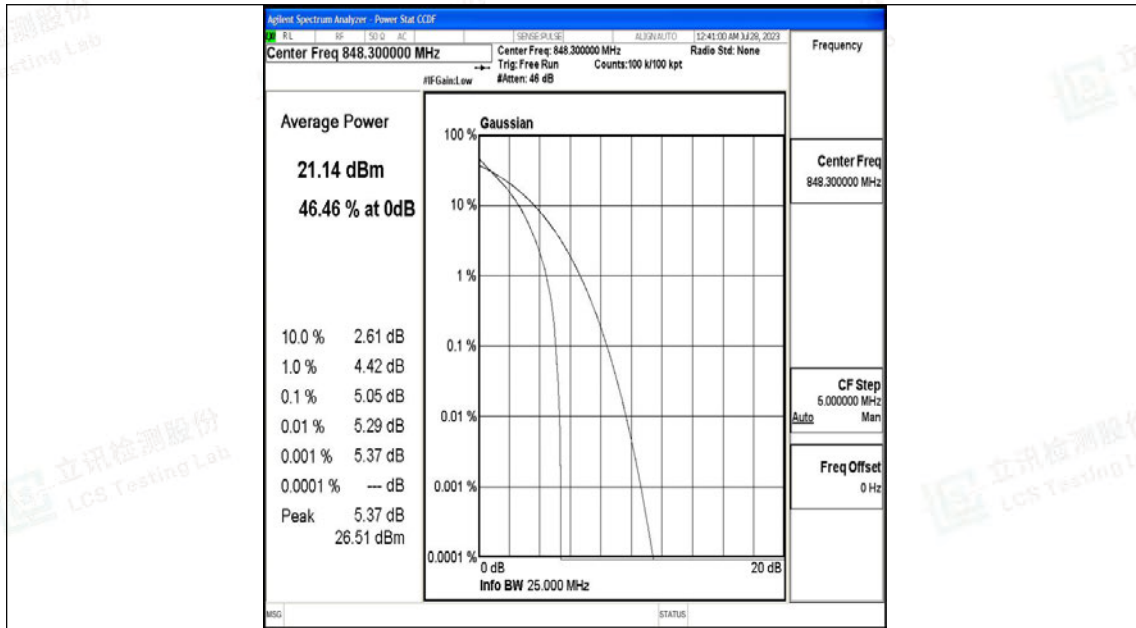
1.4MHz-20525

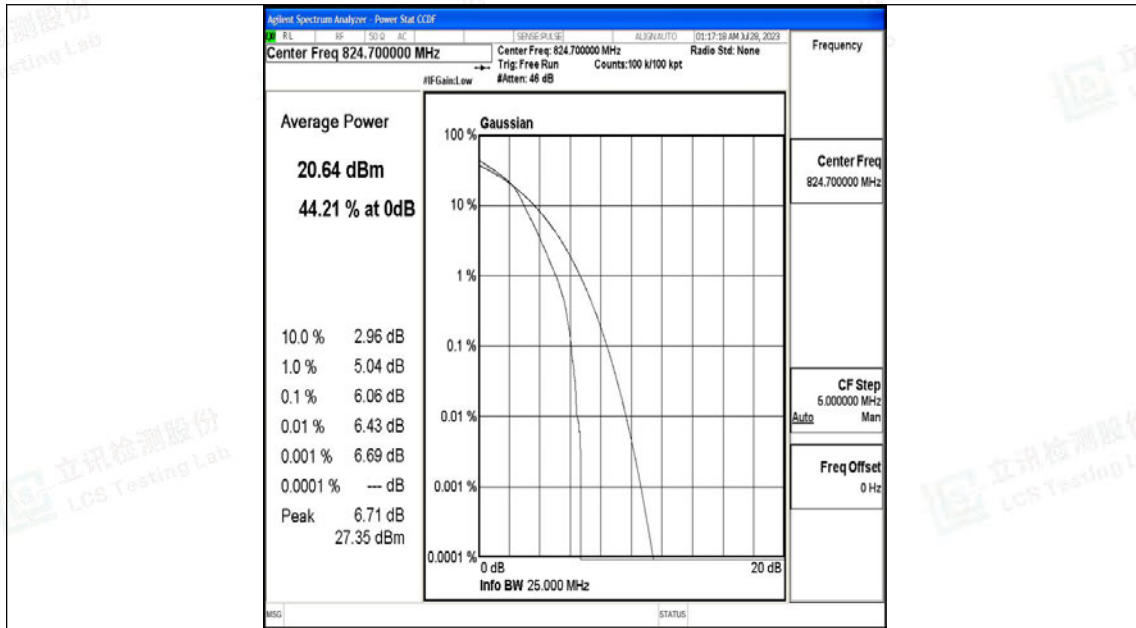


1.4MHz-20525

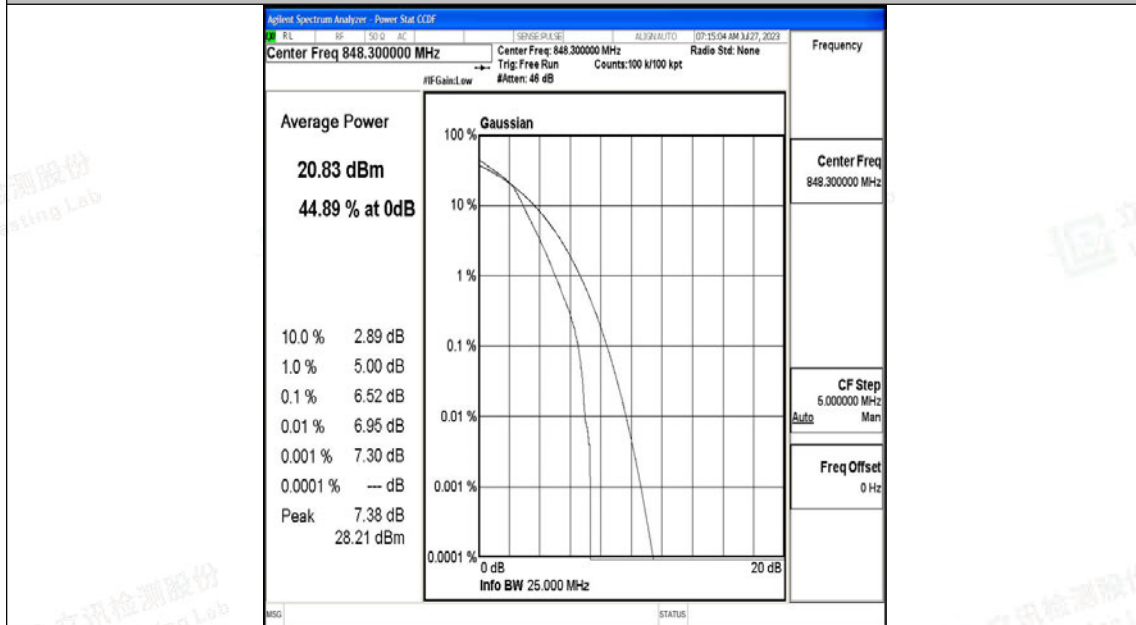






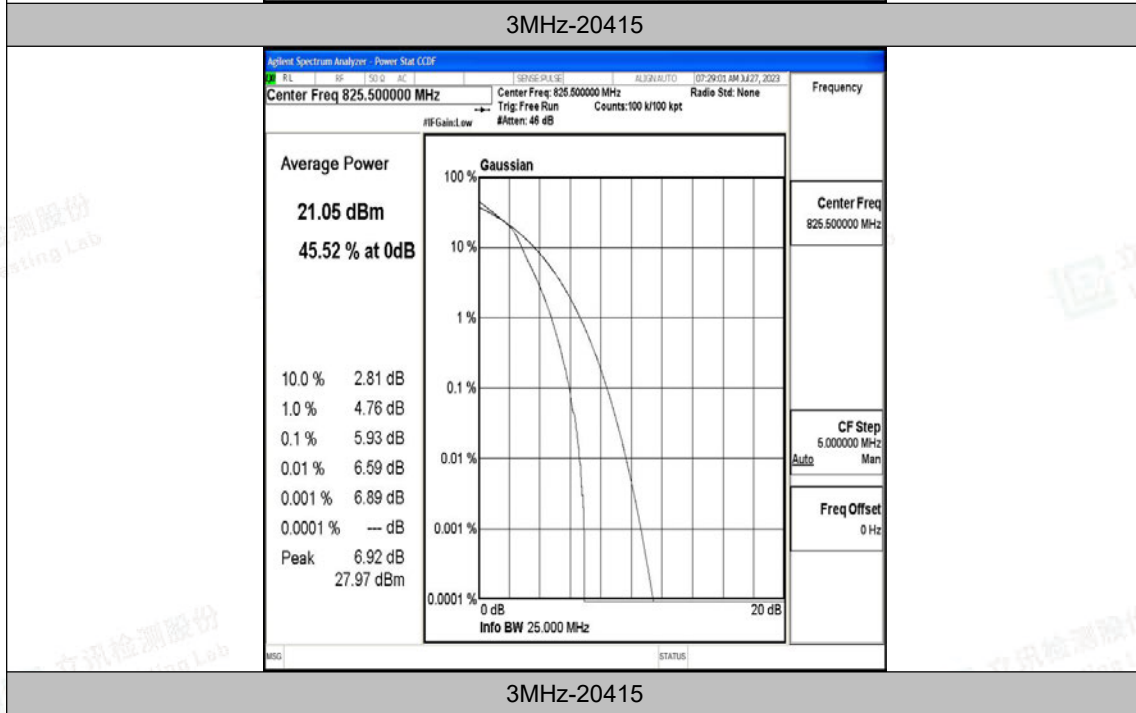
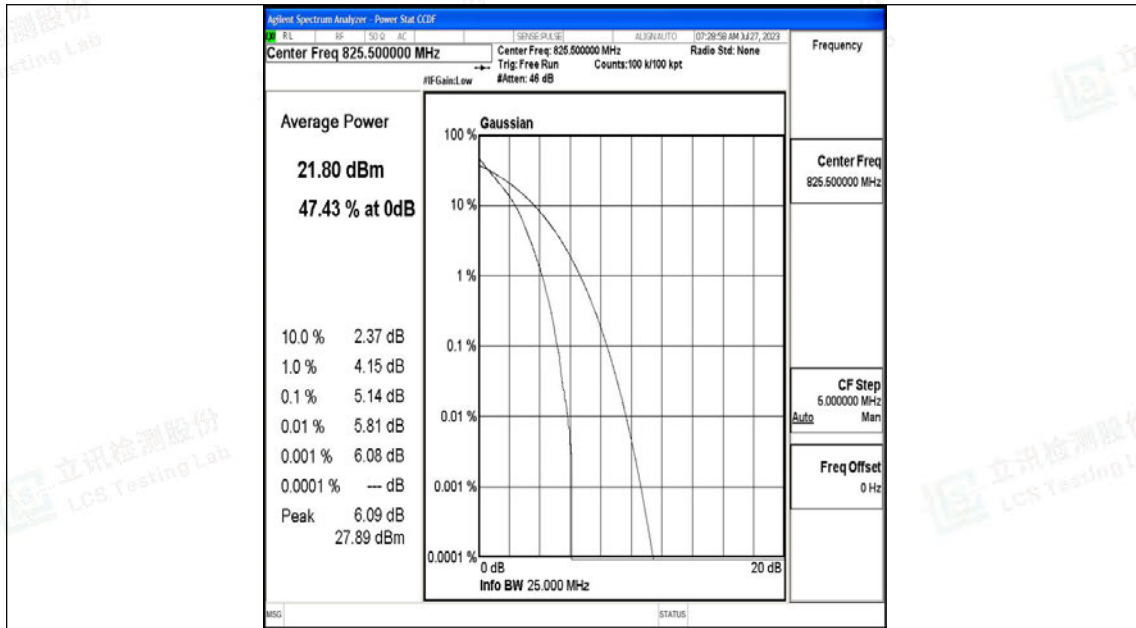


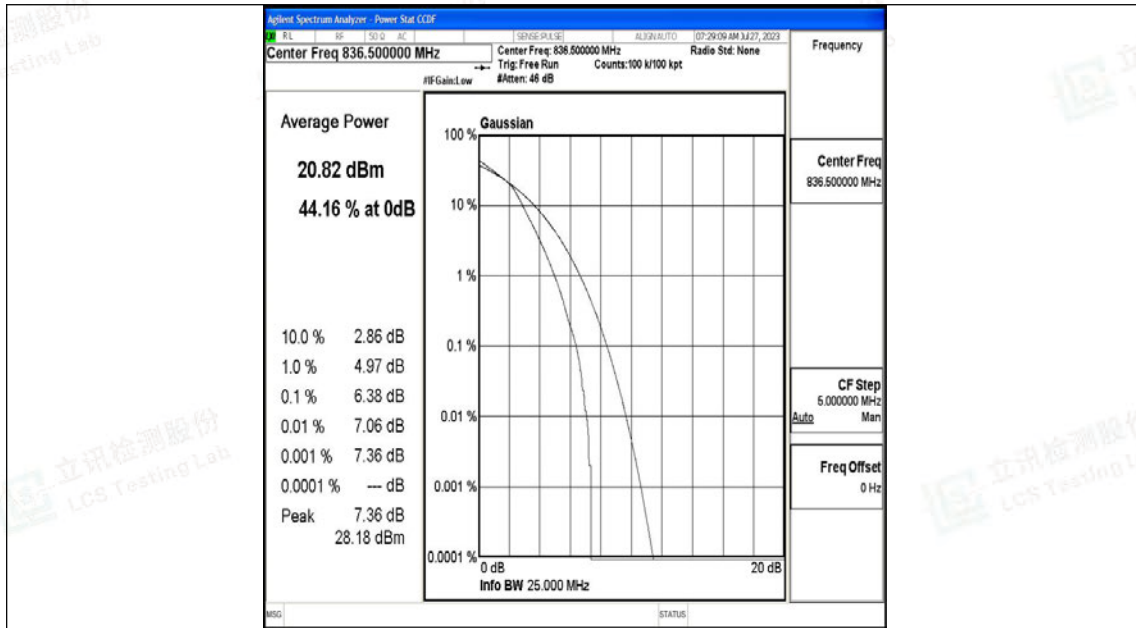
1.4MHz-20407



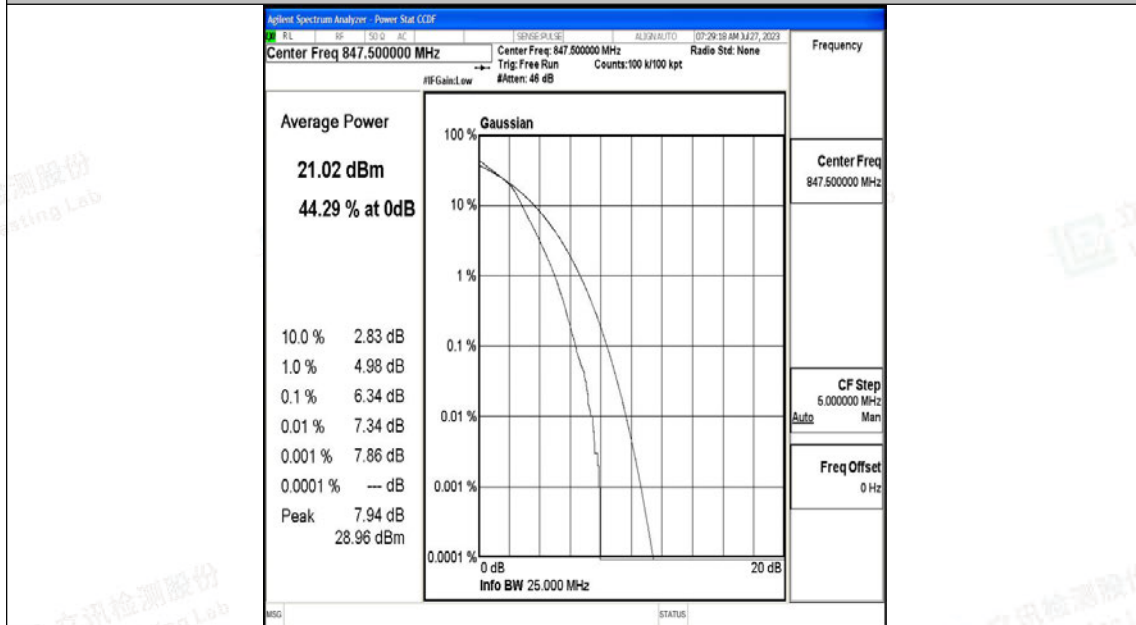
1.4MHz-20643





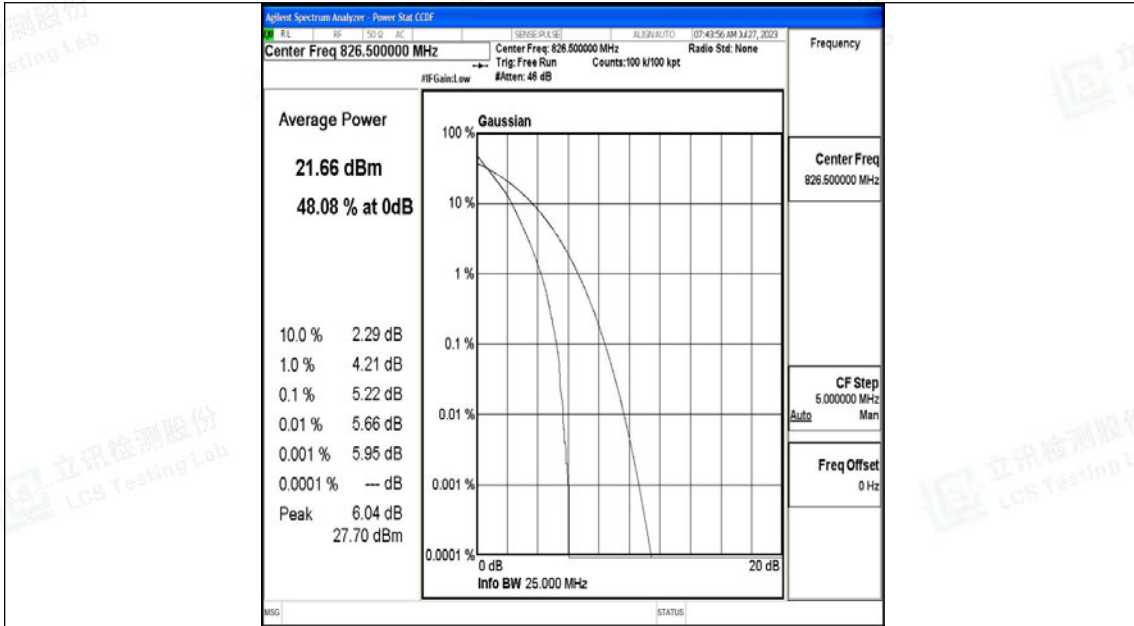


3MHz-20525

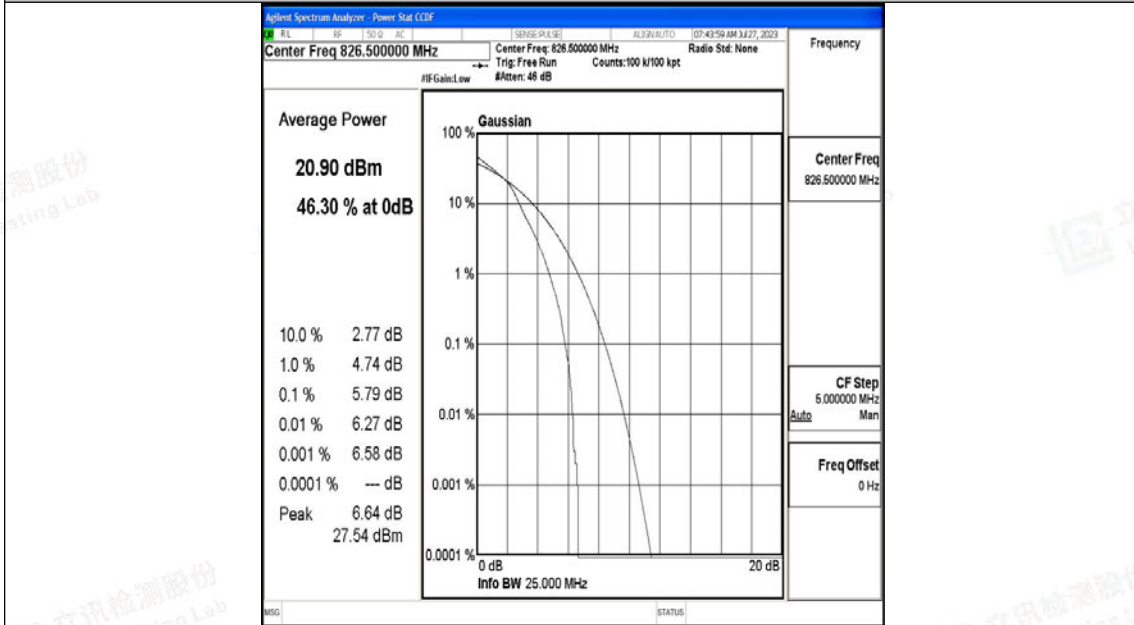


3MHz-20635





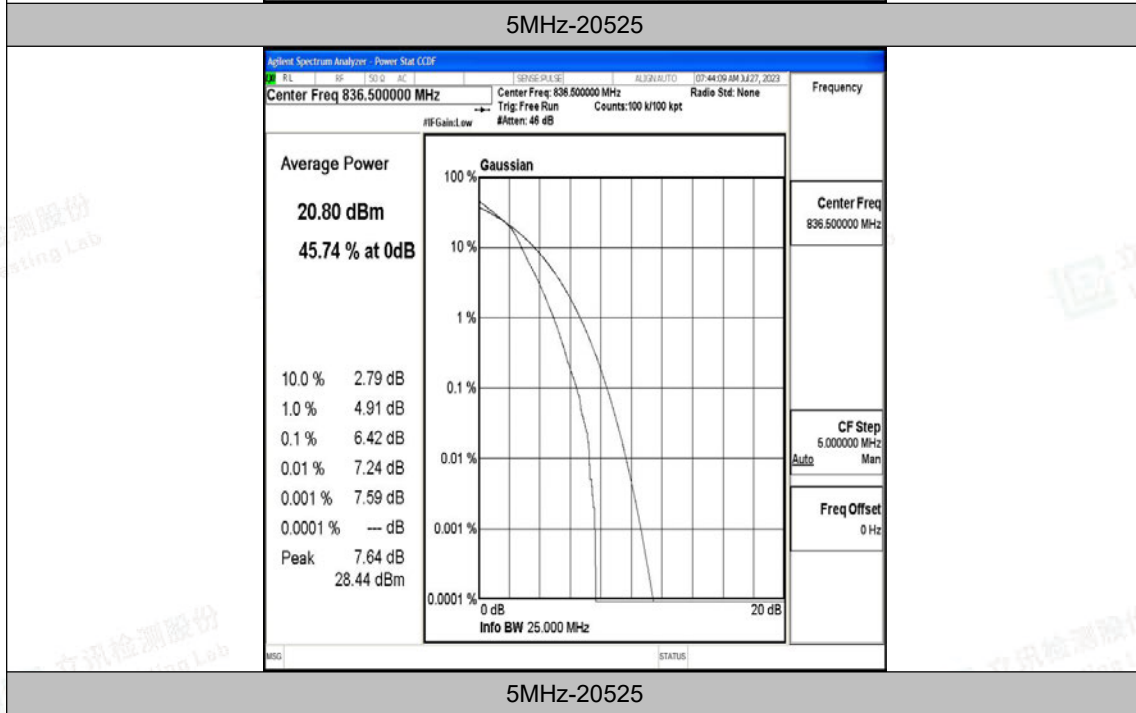
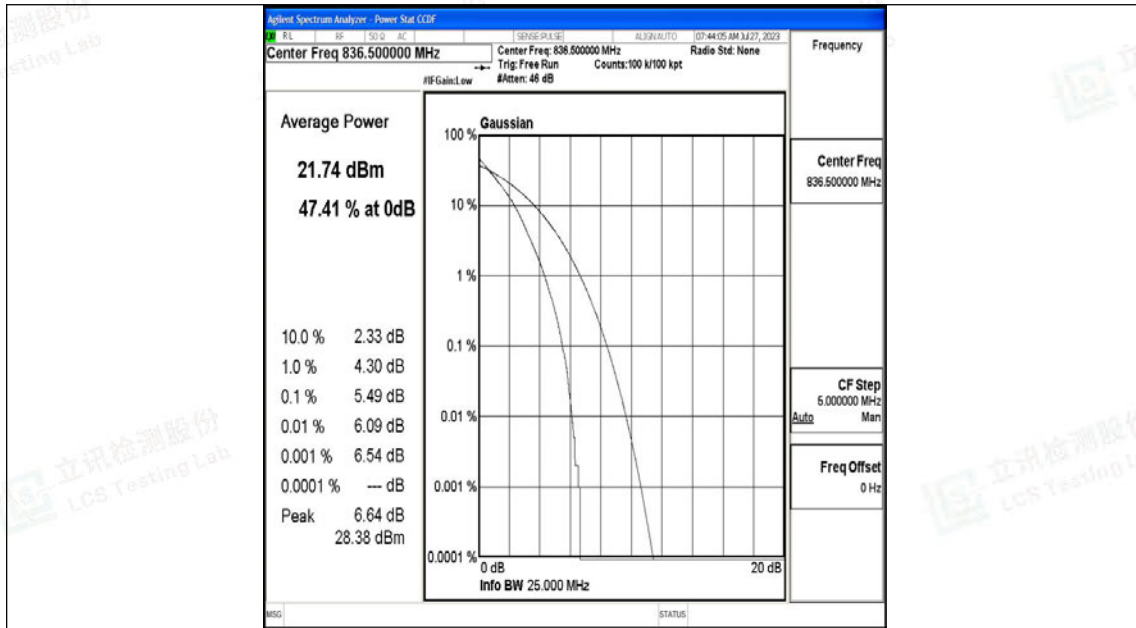
5MHz-20425

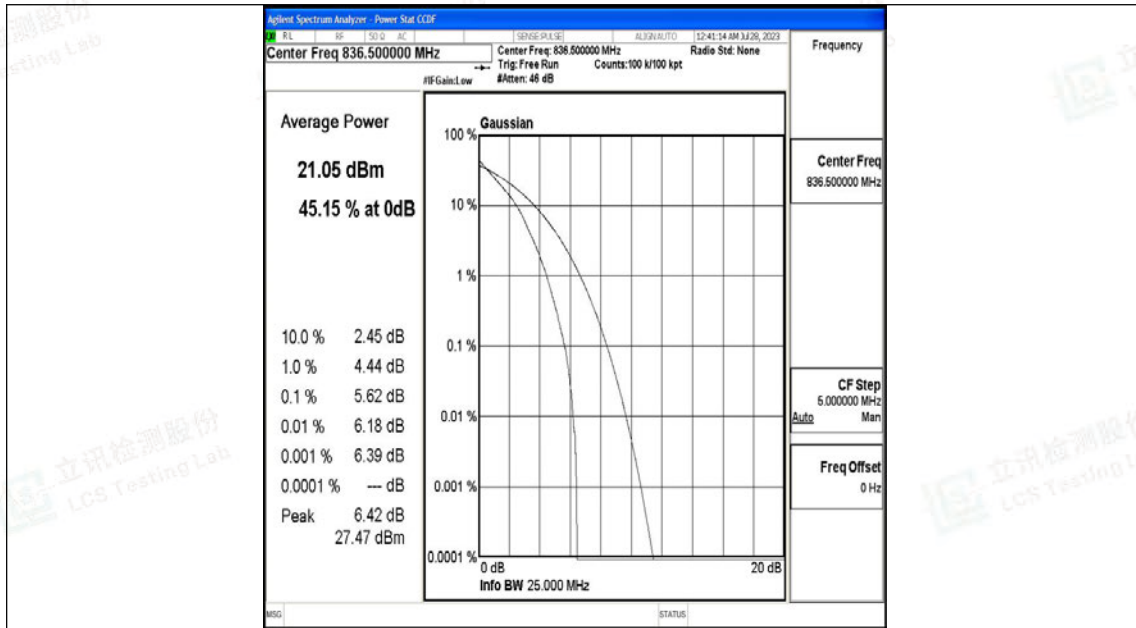


5MHz-20425

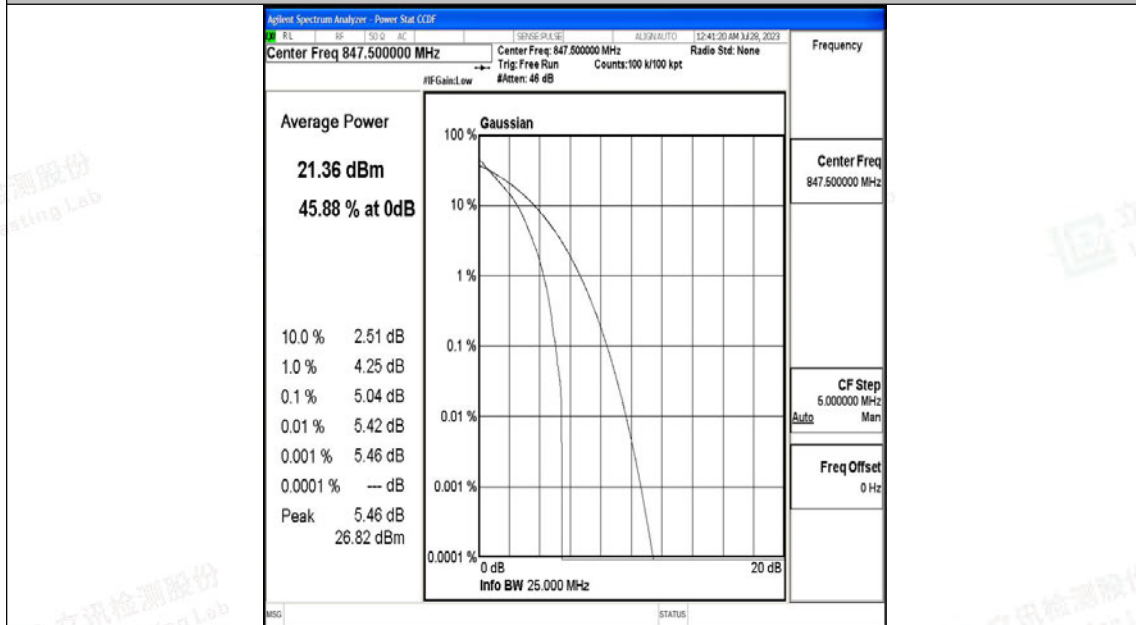






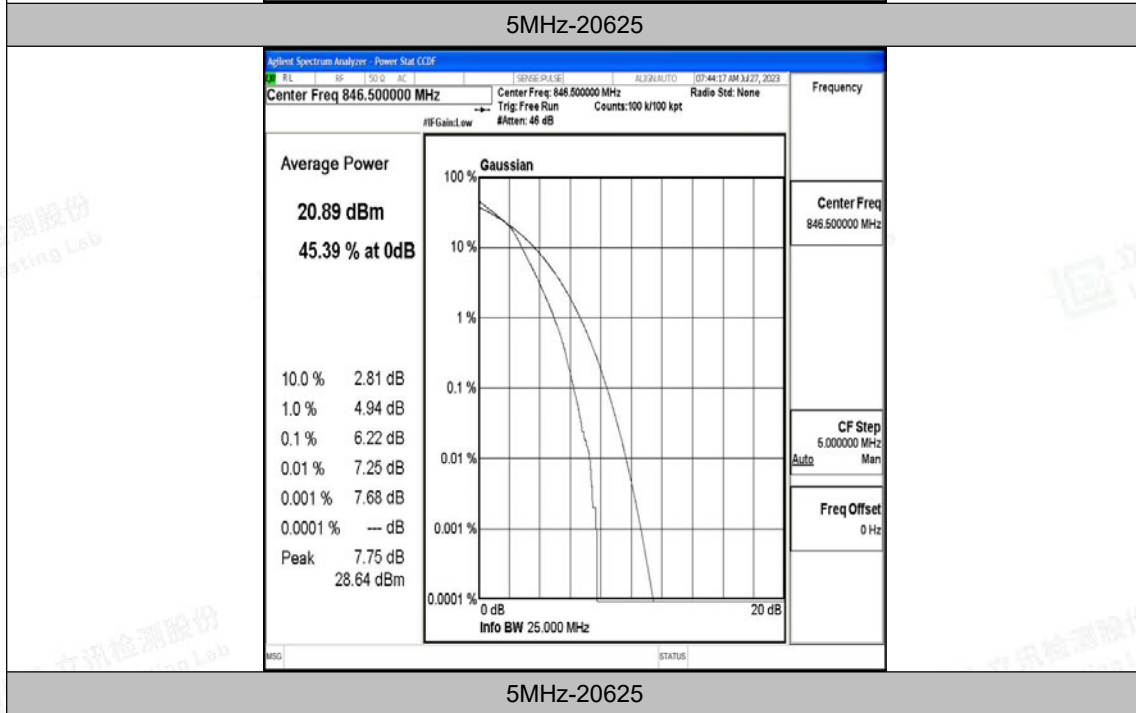
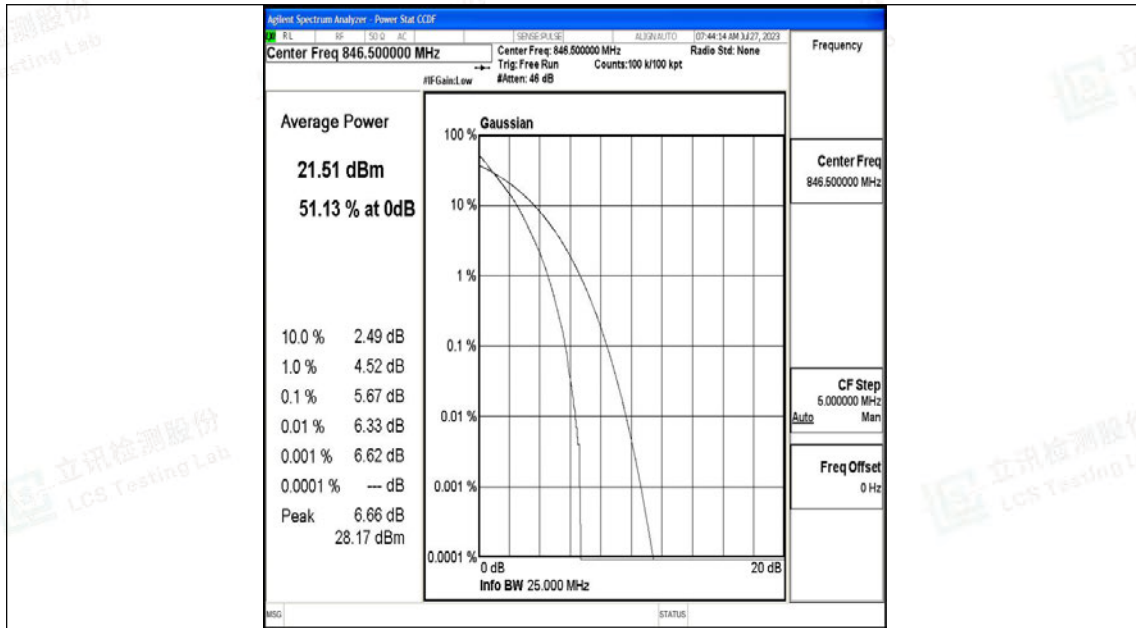


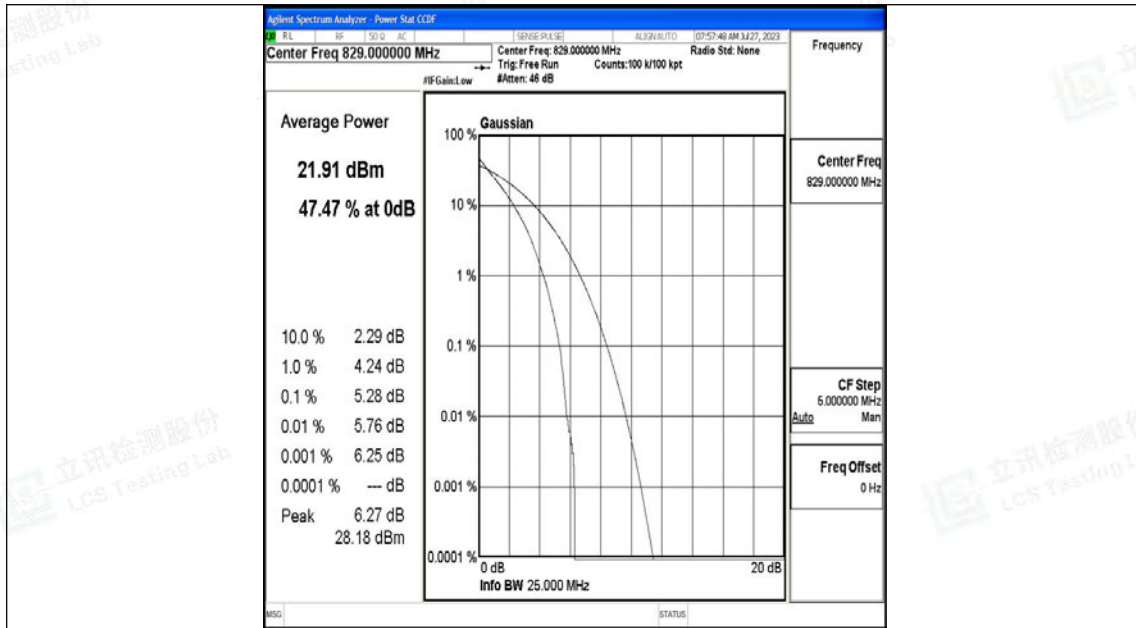
3MHz-20525



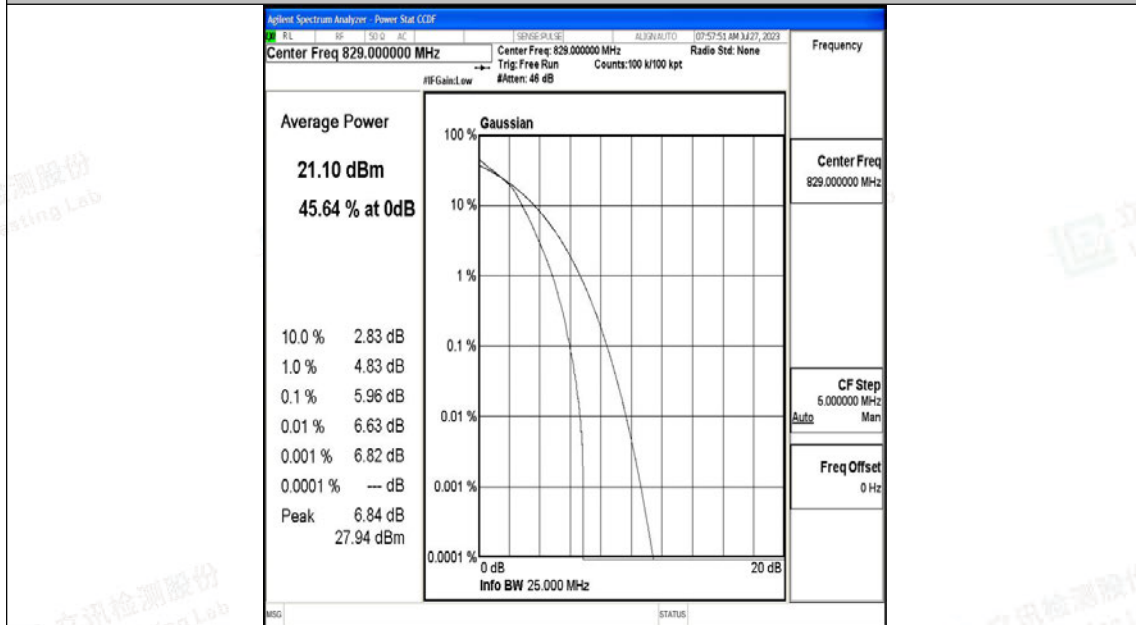
3MHz-20635





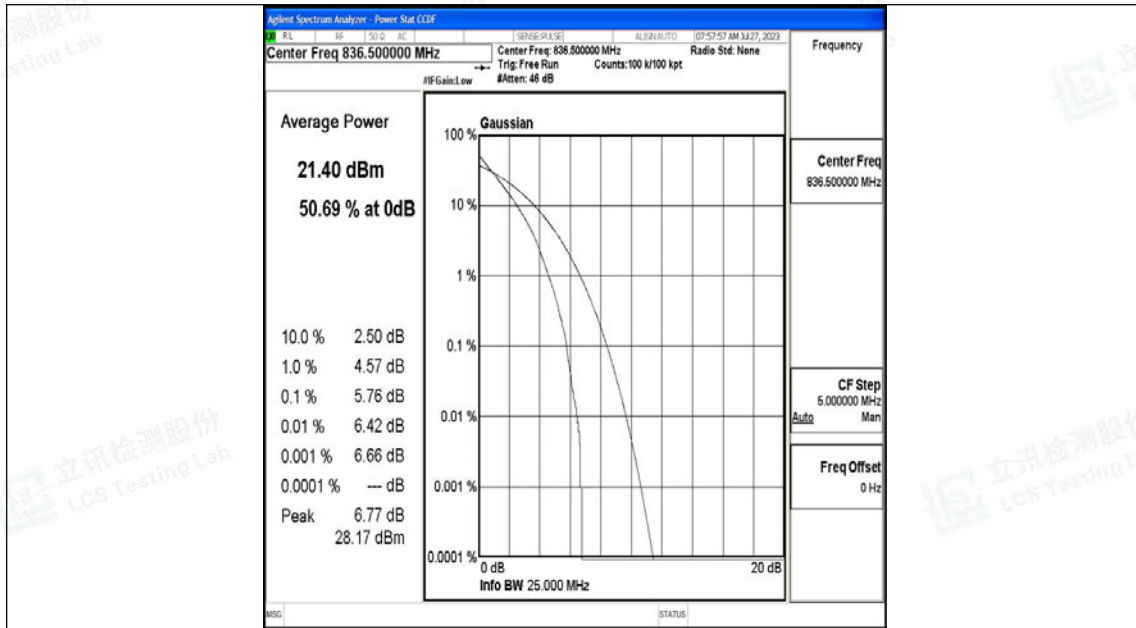


10MHz-20450

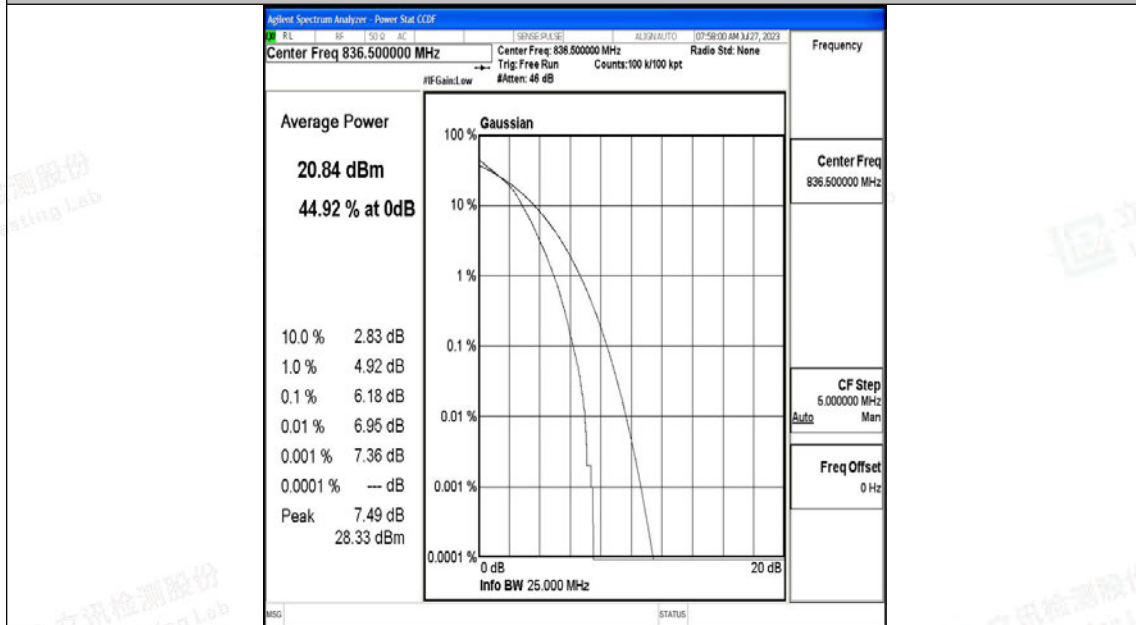


10MHz-20450





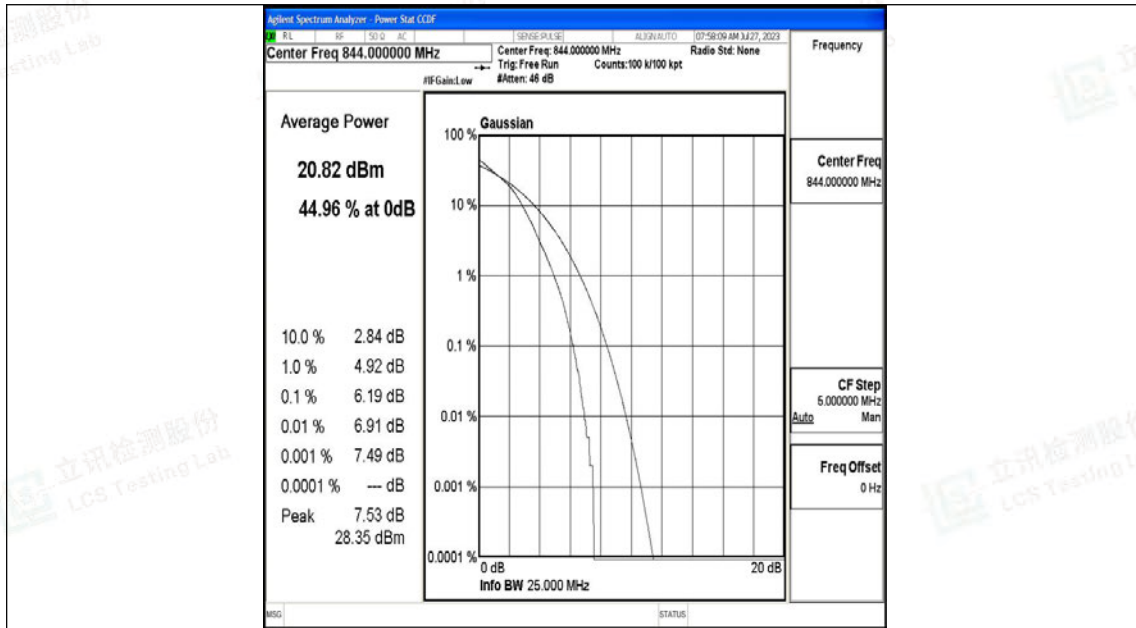
10MHz-20525



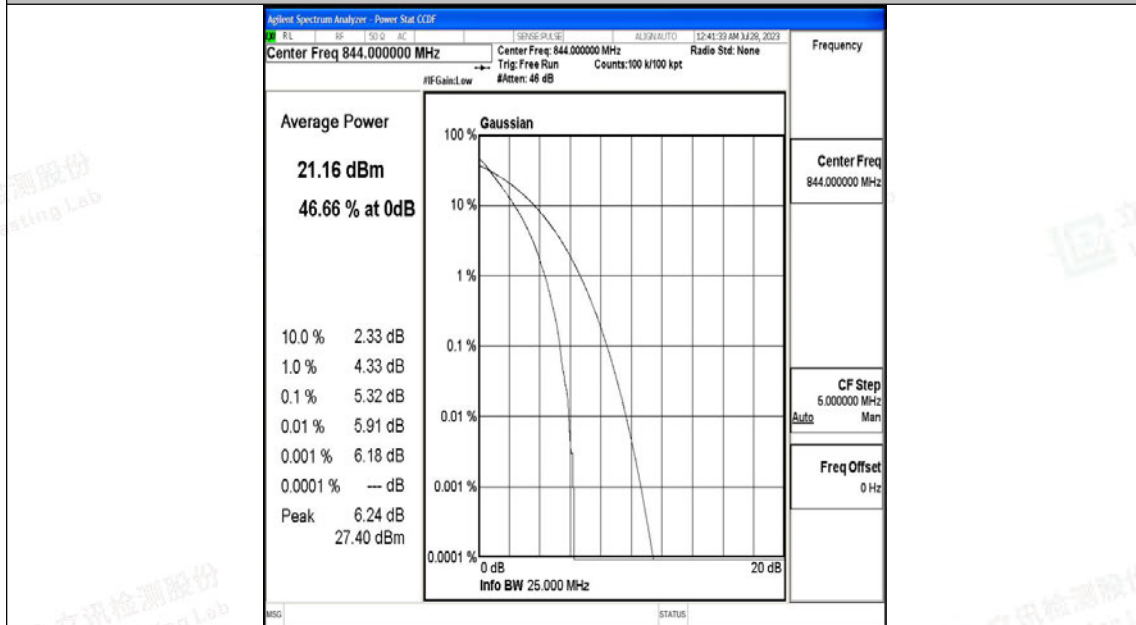
10MHz-20525







10MHz-20600



10MHz-20600





### F.3 26dB Bandwidth and Occupied Bandwidth

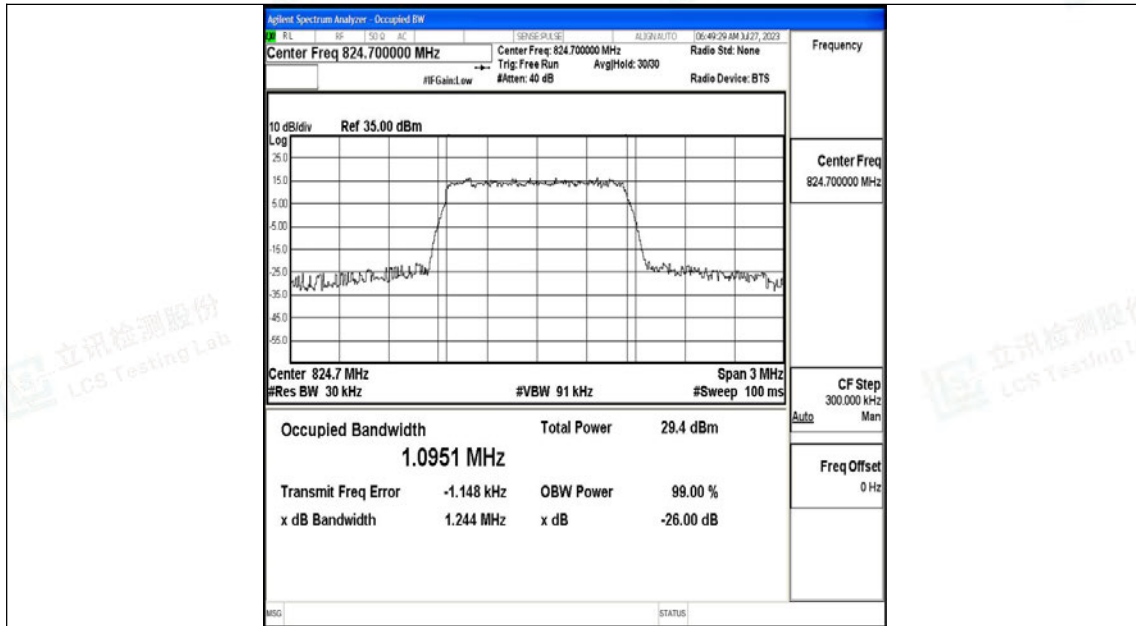
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0951	1.244	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1034	1.252	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1016	3.000	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1029	3.000	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0964	3.000	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0869	1.244	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7106	2.997	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6969	3.020	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7054	3.026	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7095	3.035	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7061	3.013	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6992	3.021	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5217	4.983	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5108	4.952	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4943	4.977	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5189	4.992	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5077	4.981	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5071	4.958	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0107	9.917	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9893	9.880	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9972	9.880	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9937	9.927	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9769	9.882	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9927	9.913	PASS

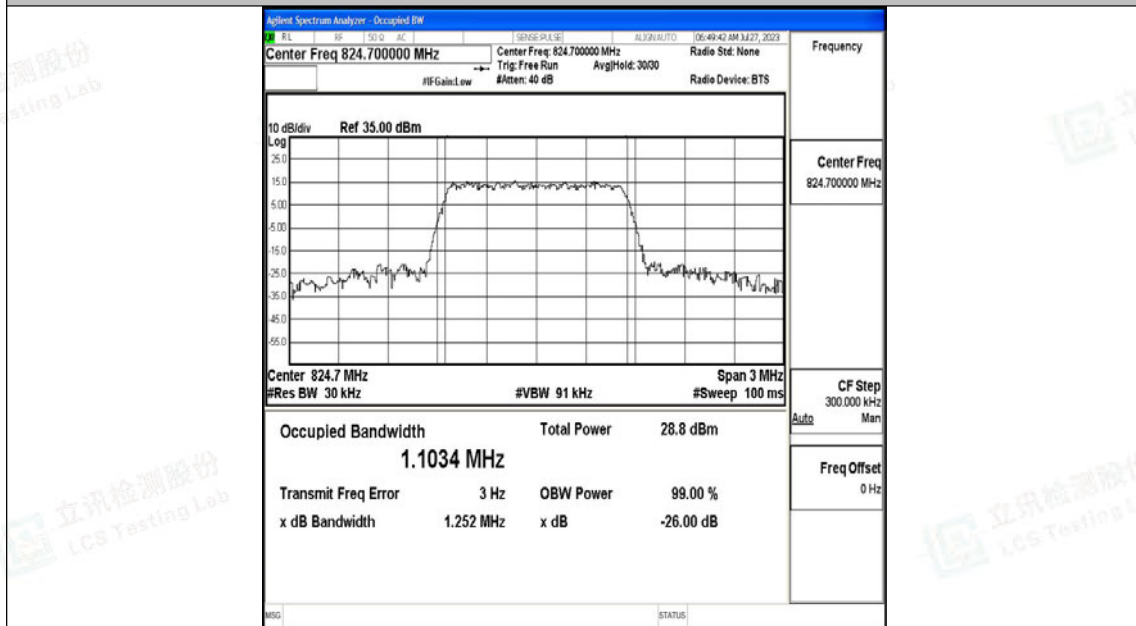




### Test Graphs

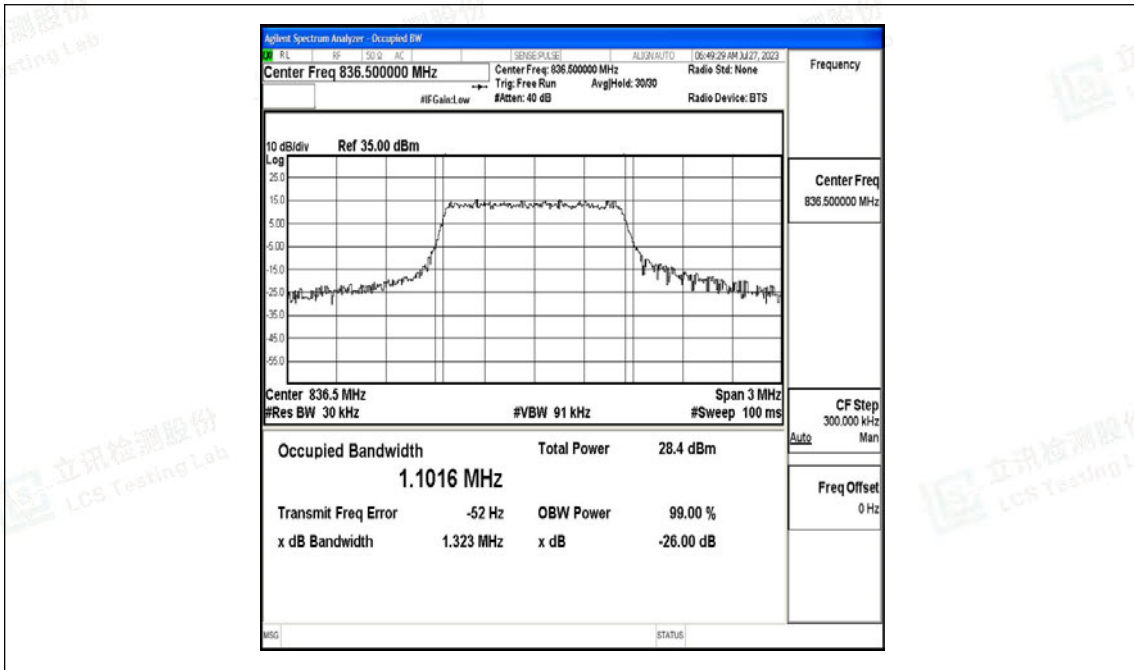


1.4MHz-20407

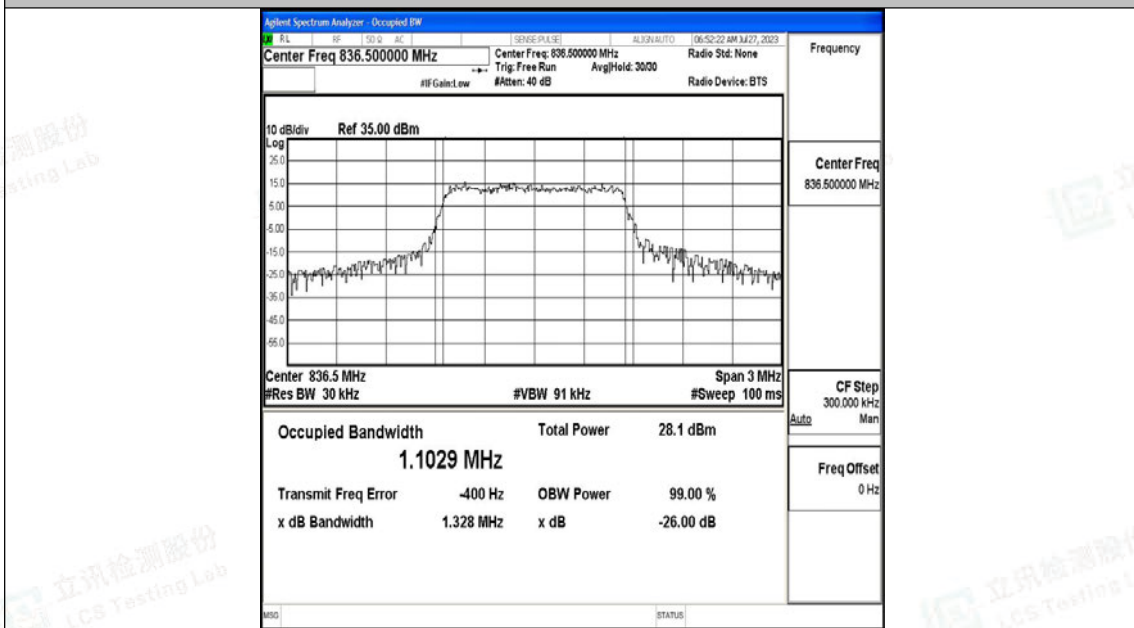


1.4MHz-20407



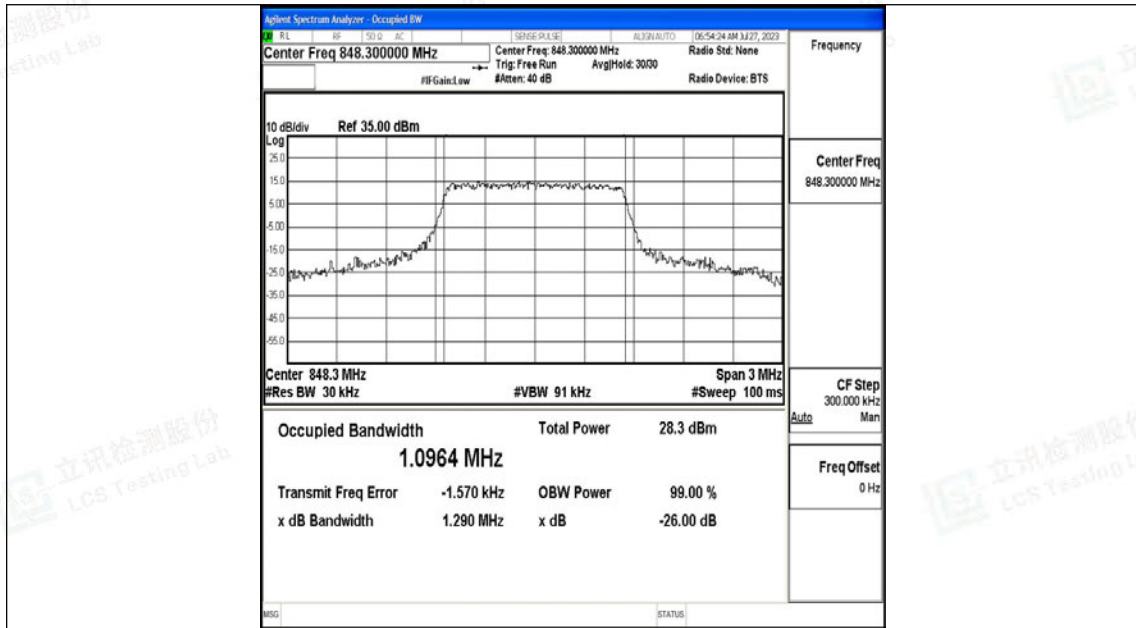


1.4MHz-20525

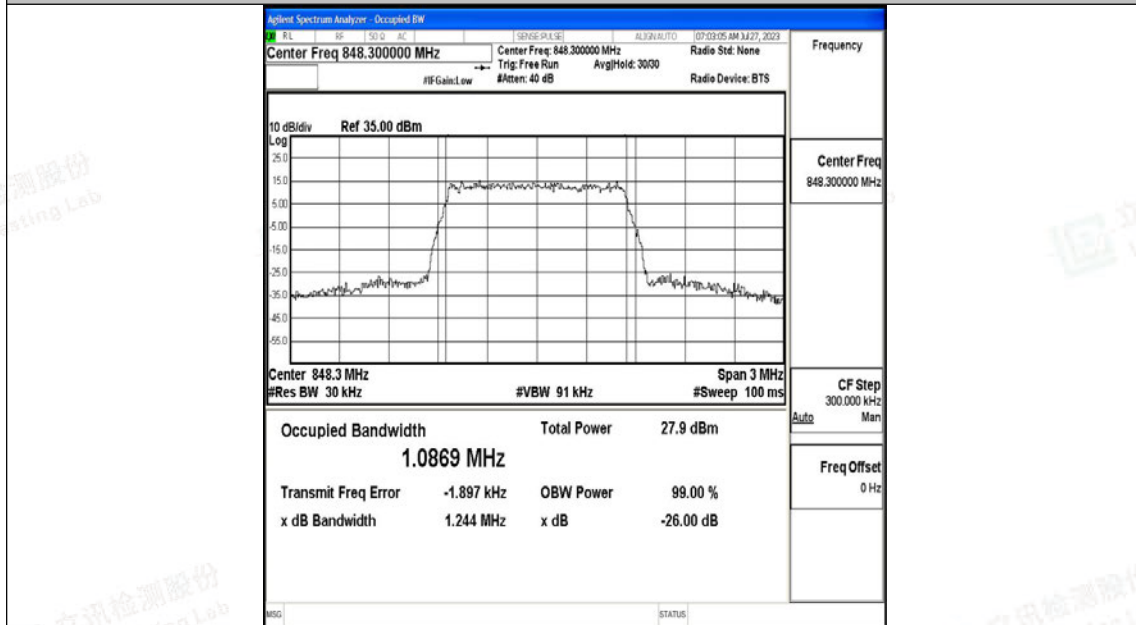


1.4MHz-20525





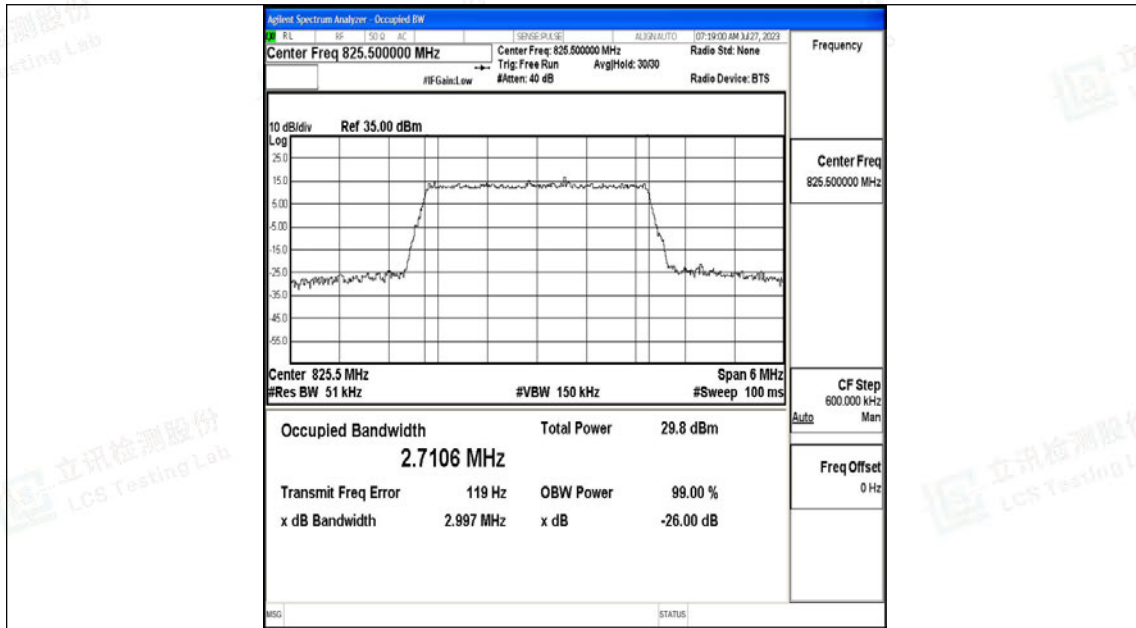
1.4MHz-20643



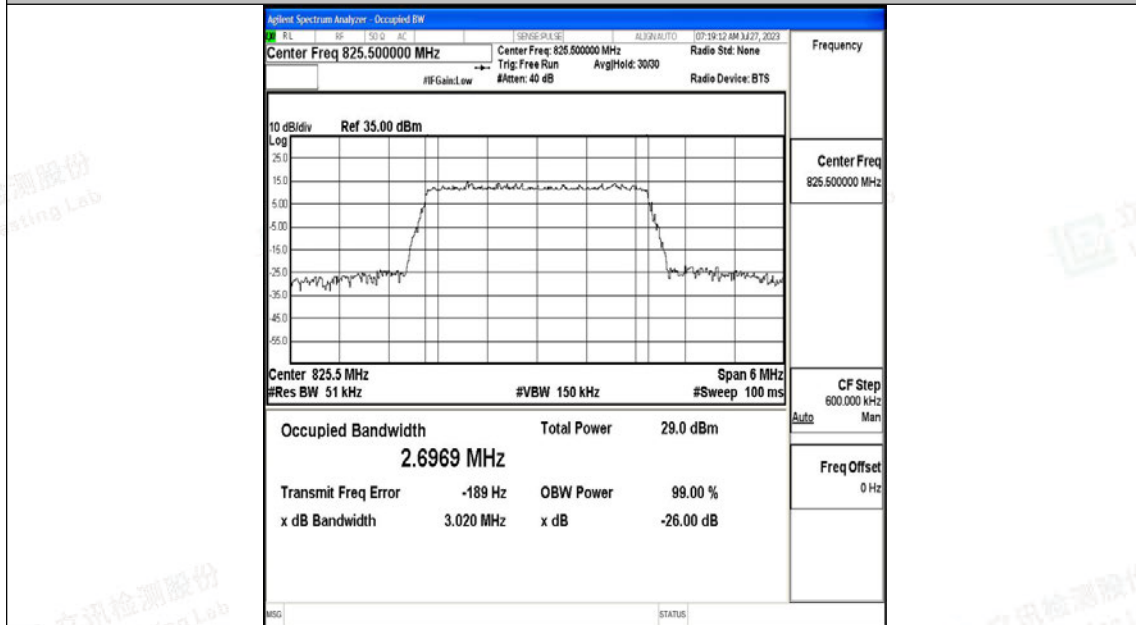
1.4MHz-20643





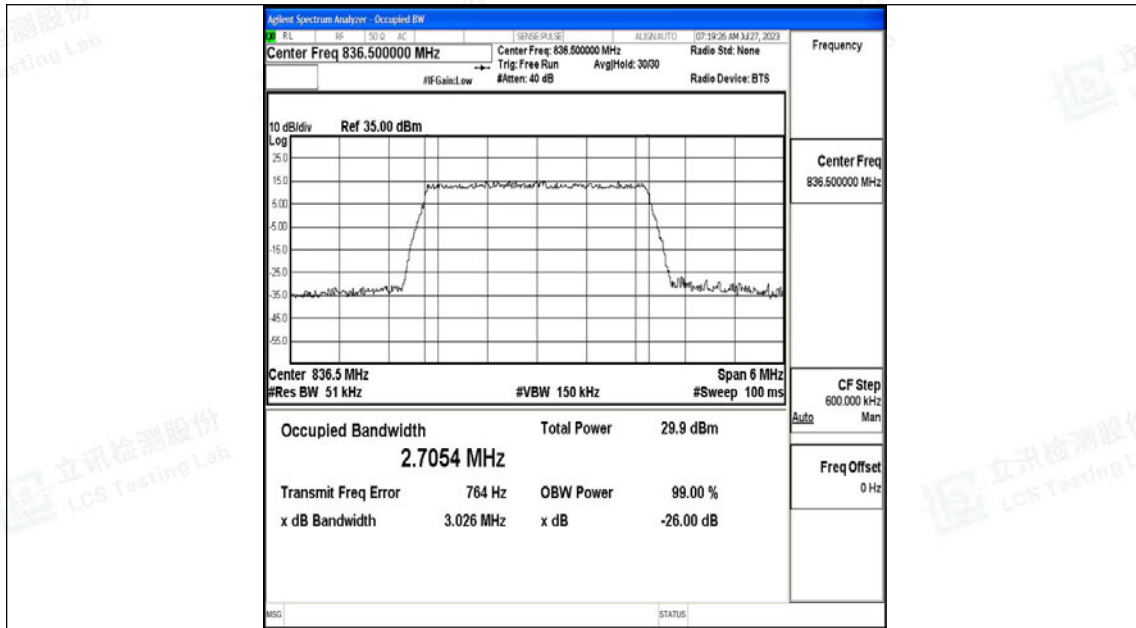


3MHz-20415

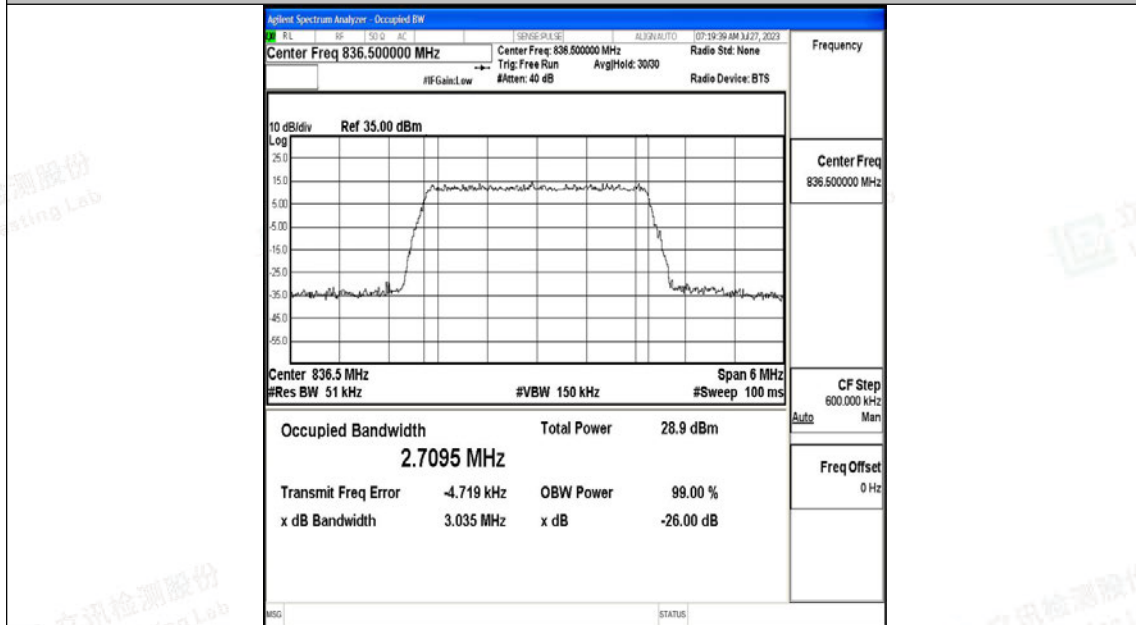


3MHz-20415



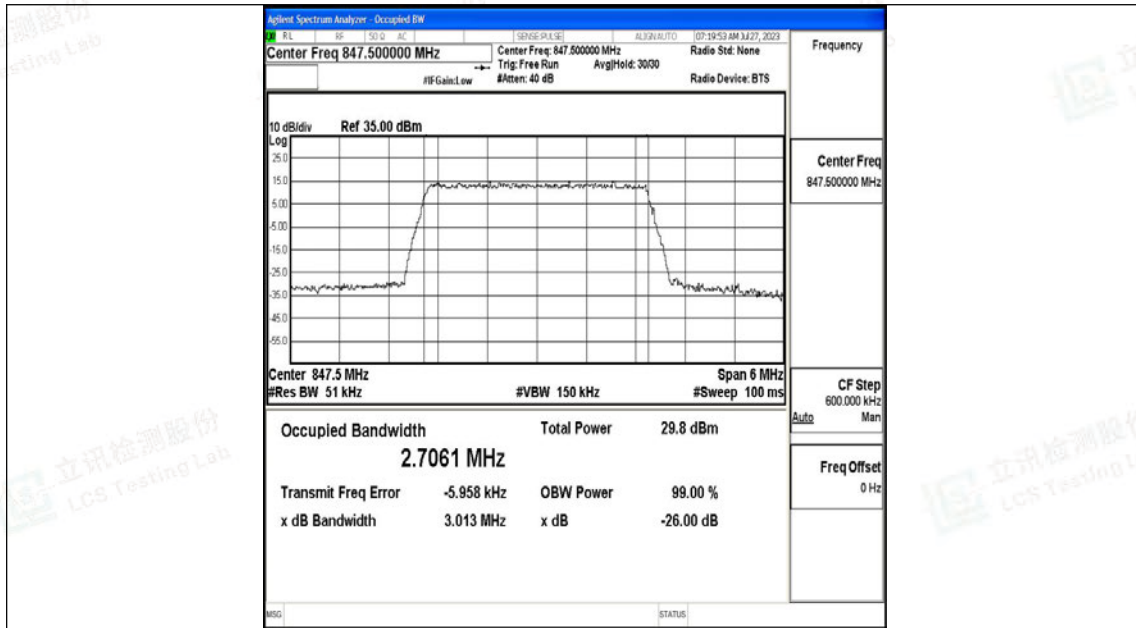


3MHz-20525

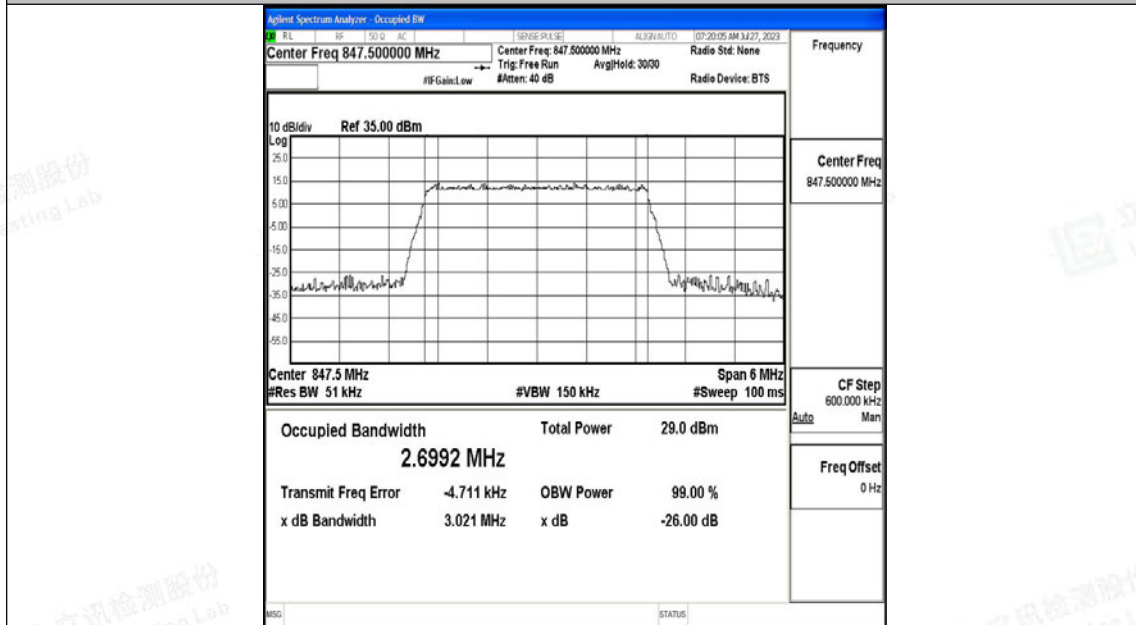


3MHz-20525



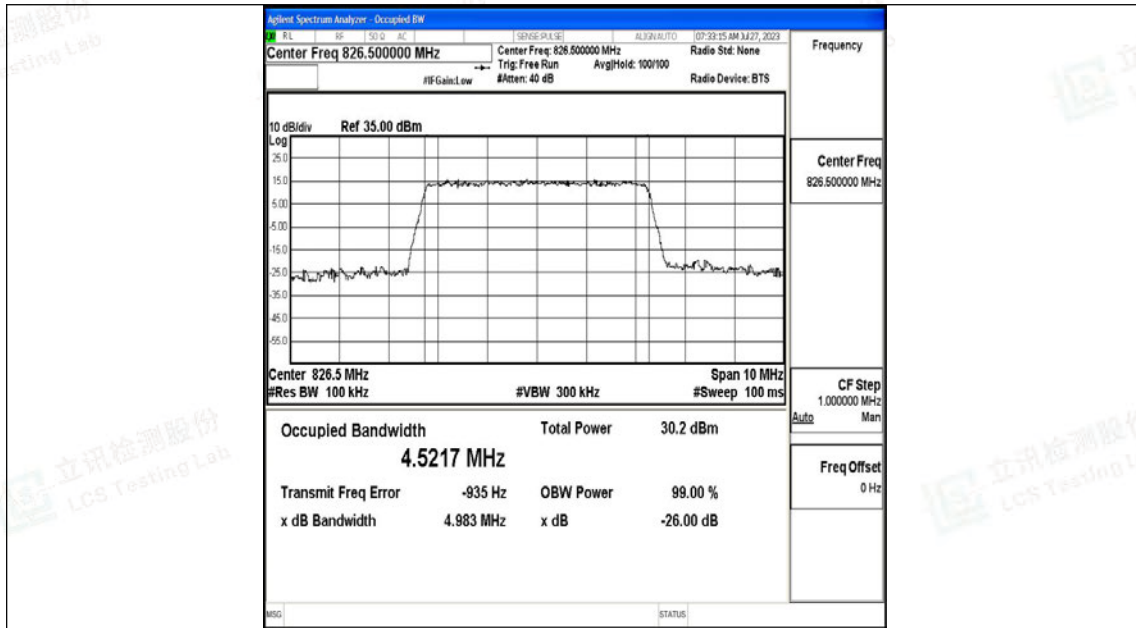


3MHz-20635

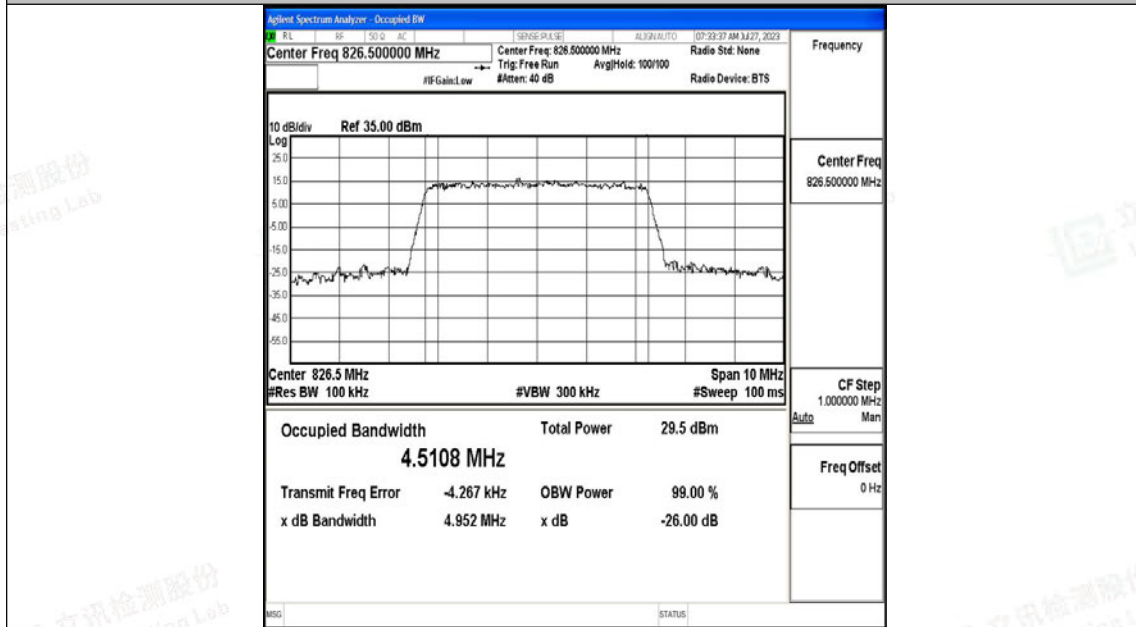


3MHz-20635



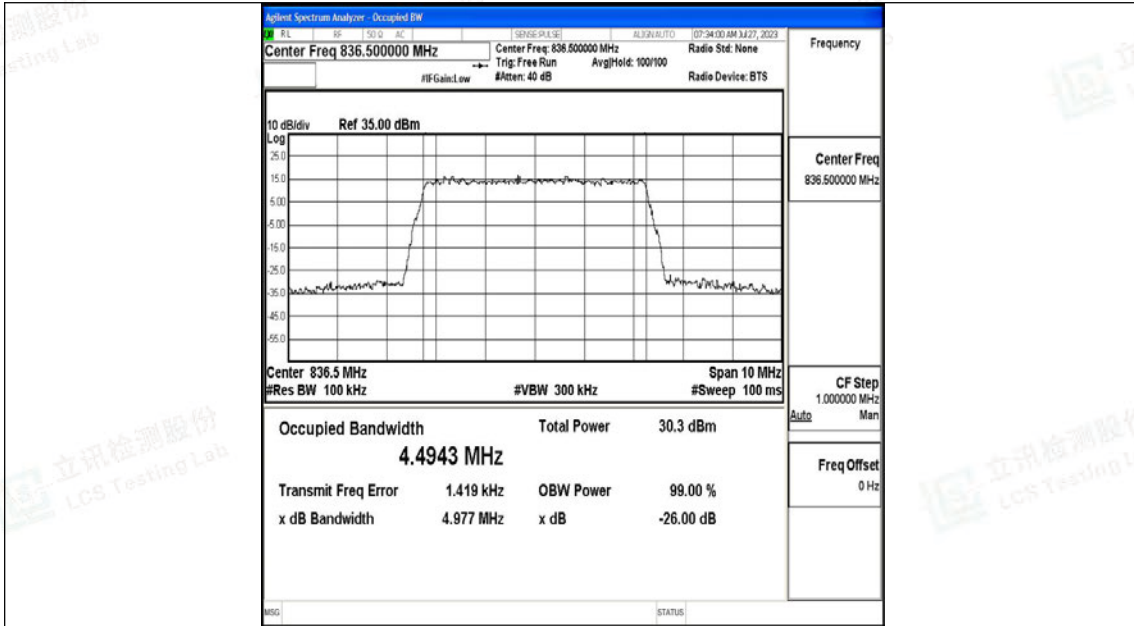


5MHz-20425

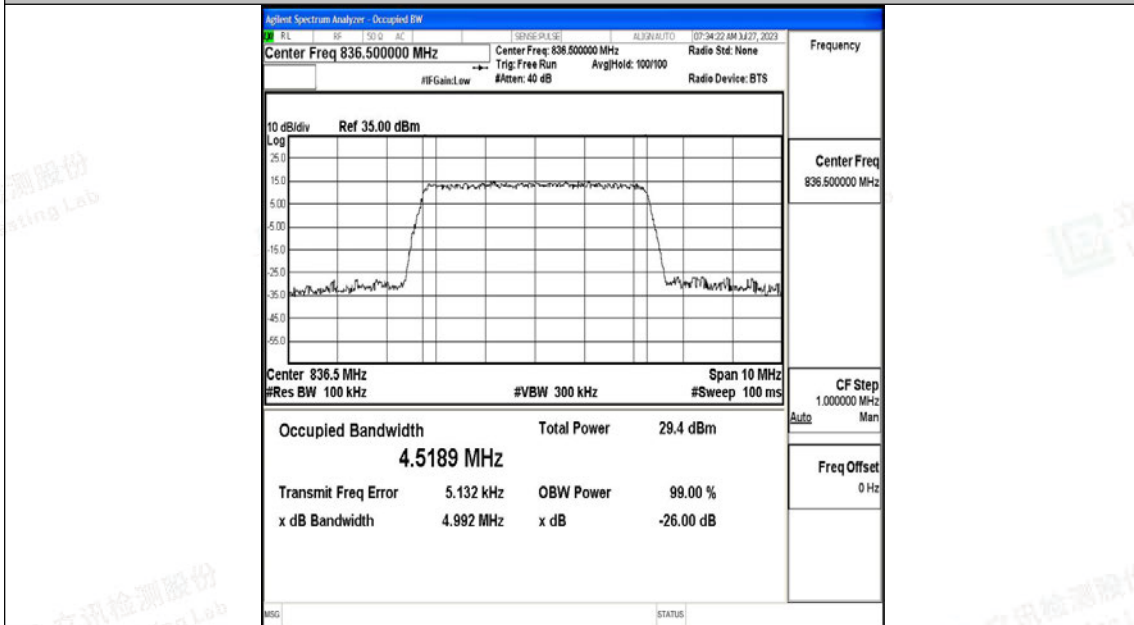


5MHz-20425





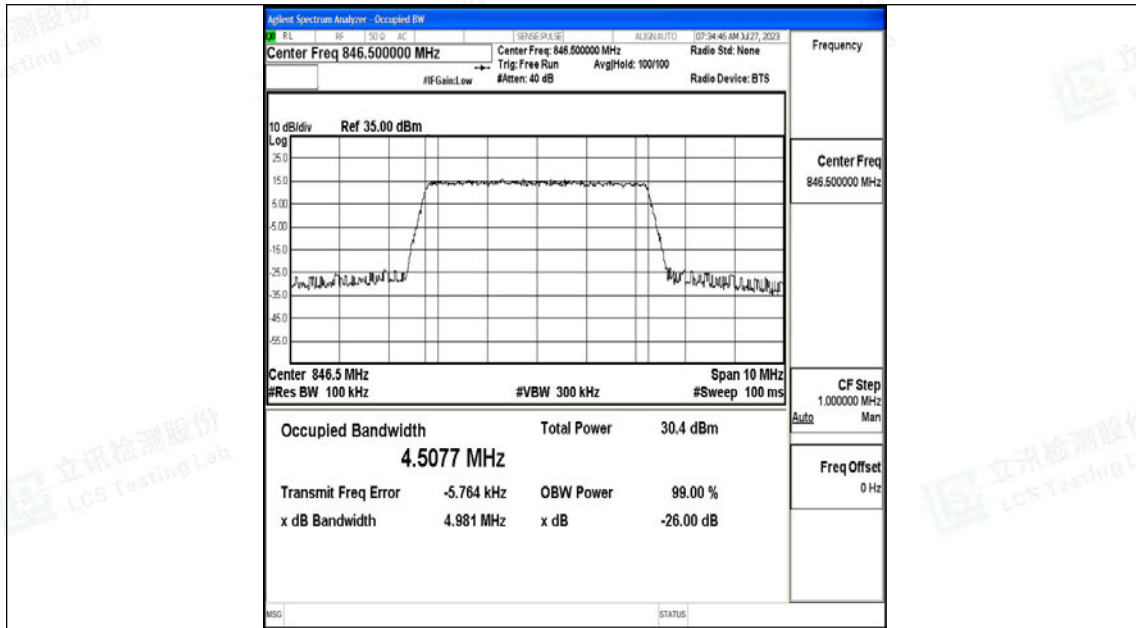
5MHz-20525



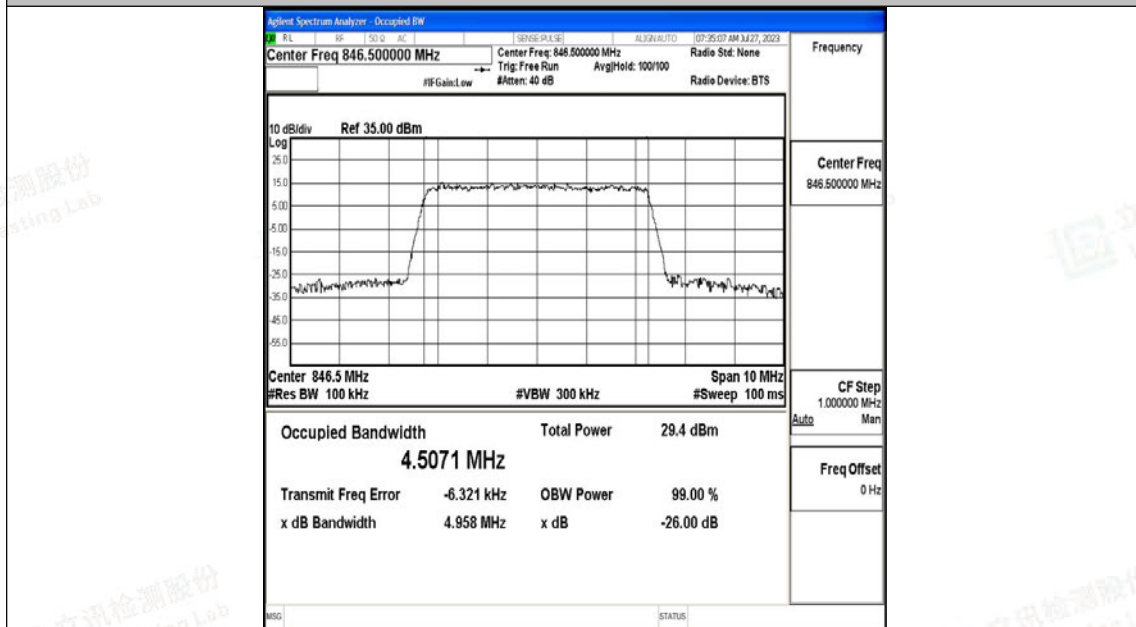
5MHz-20525





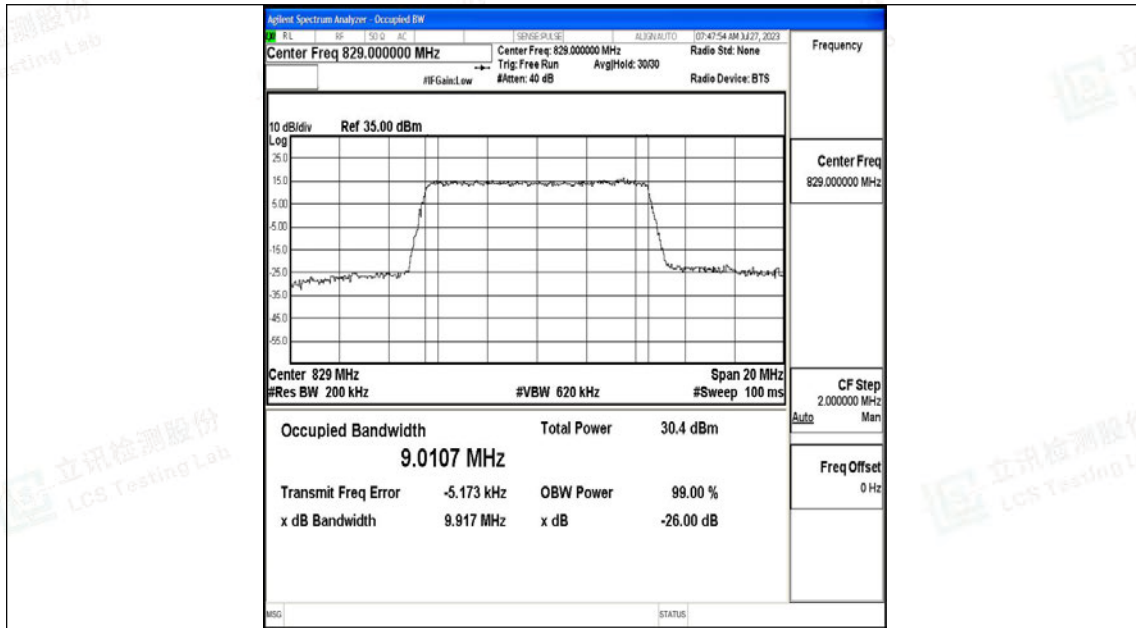


5MHz-20625

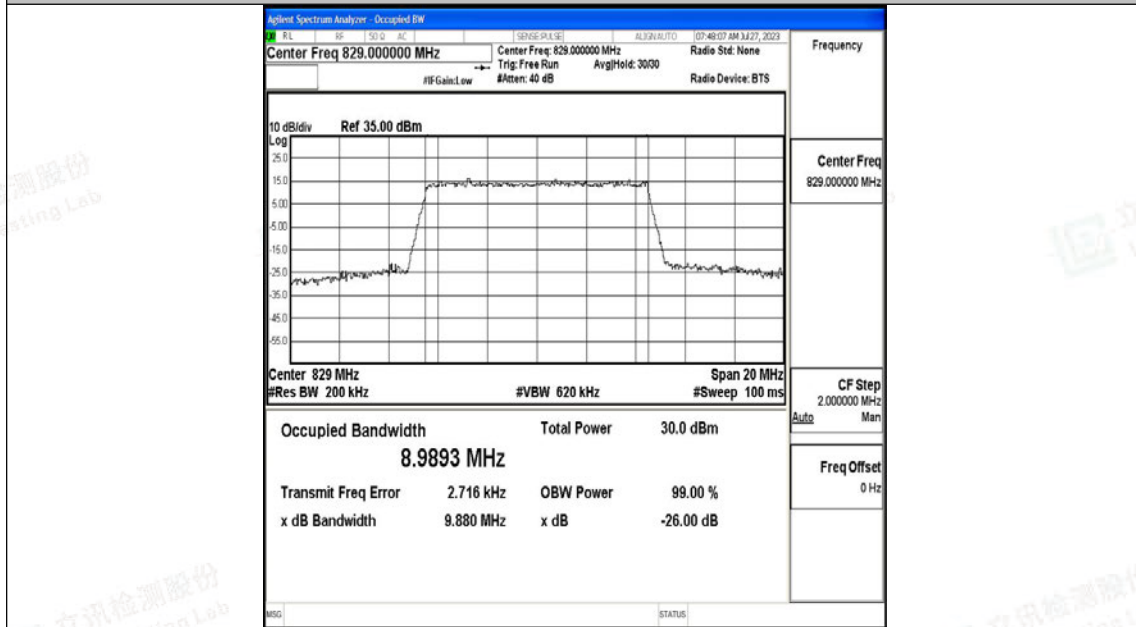


5MHz-20625



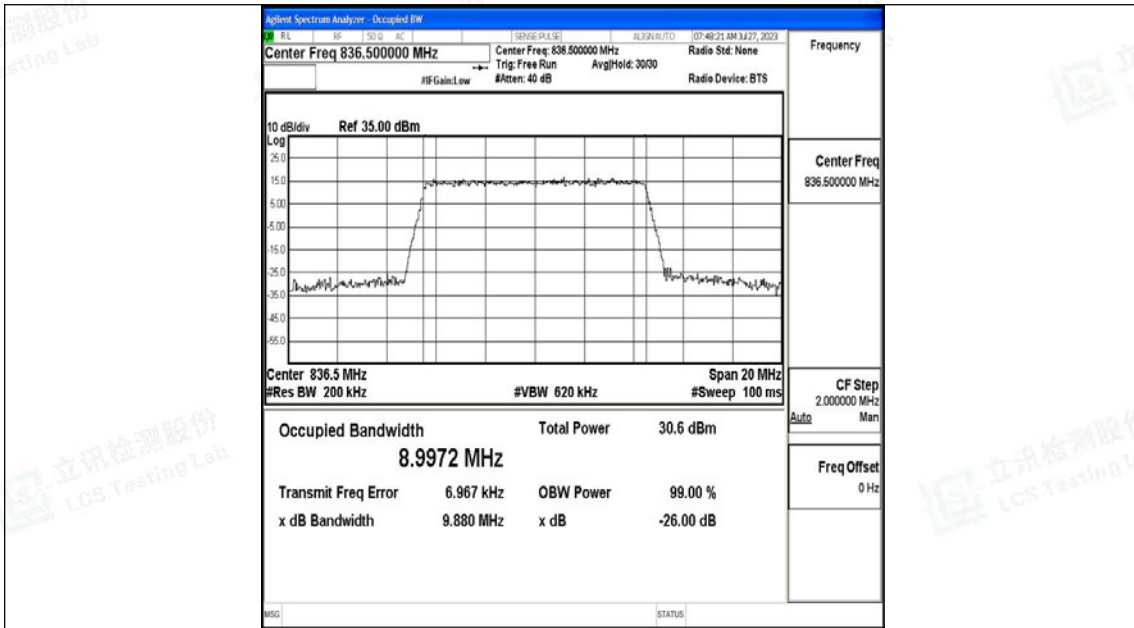


10MHz-20450

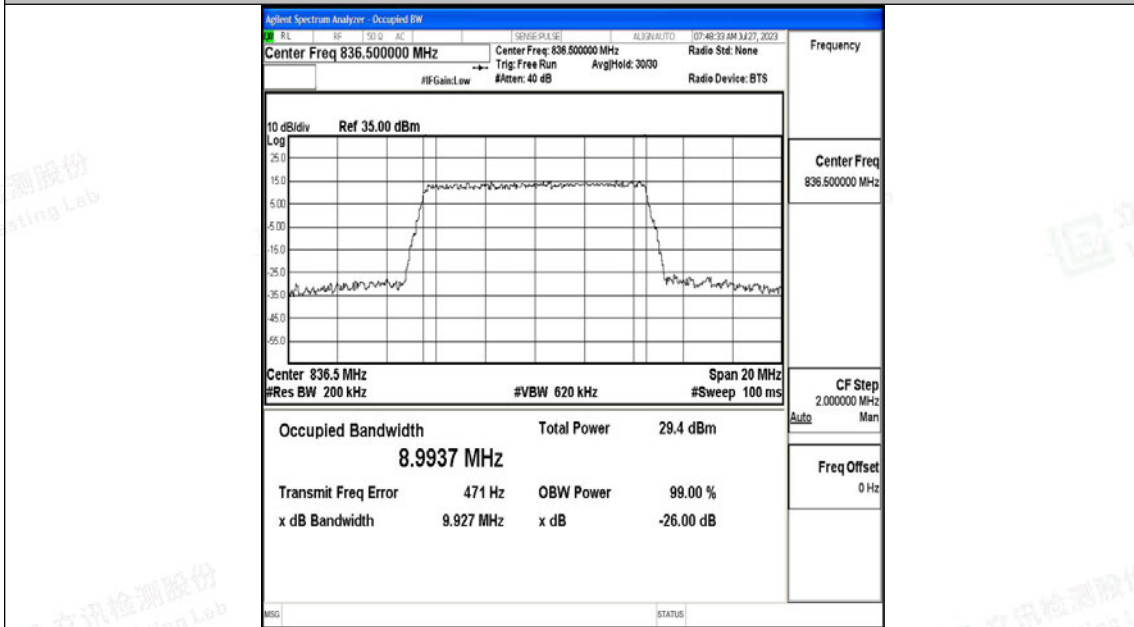


10MHz-20450





10MHz-20525

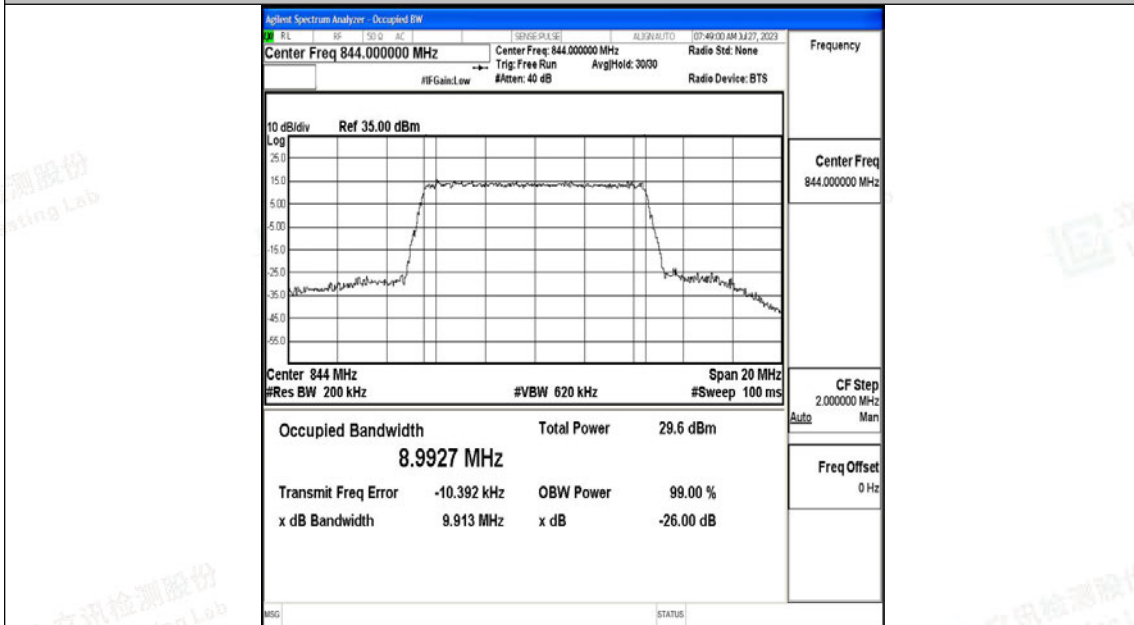


10MHz-20525





10MHz-20600



10MHz-20600



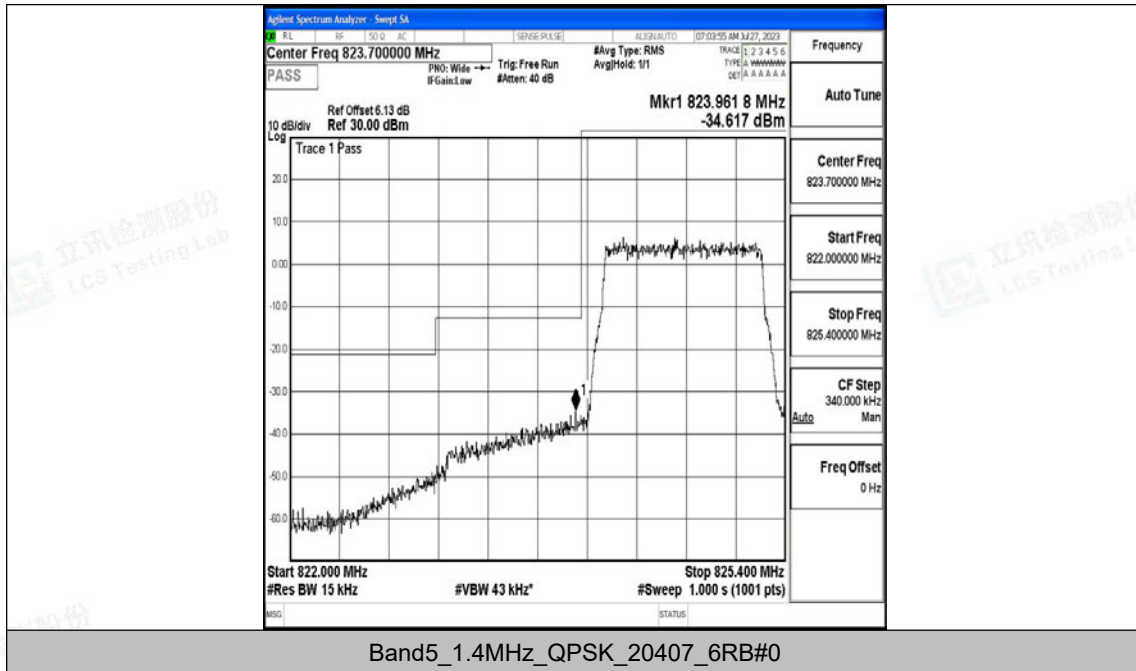


### F.4 Band Edge

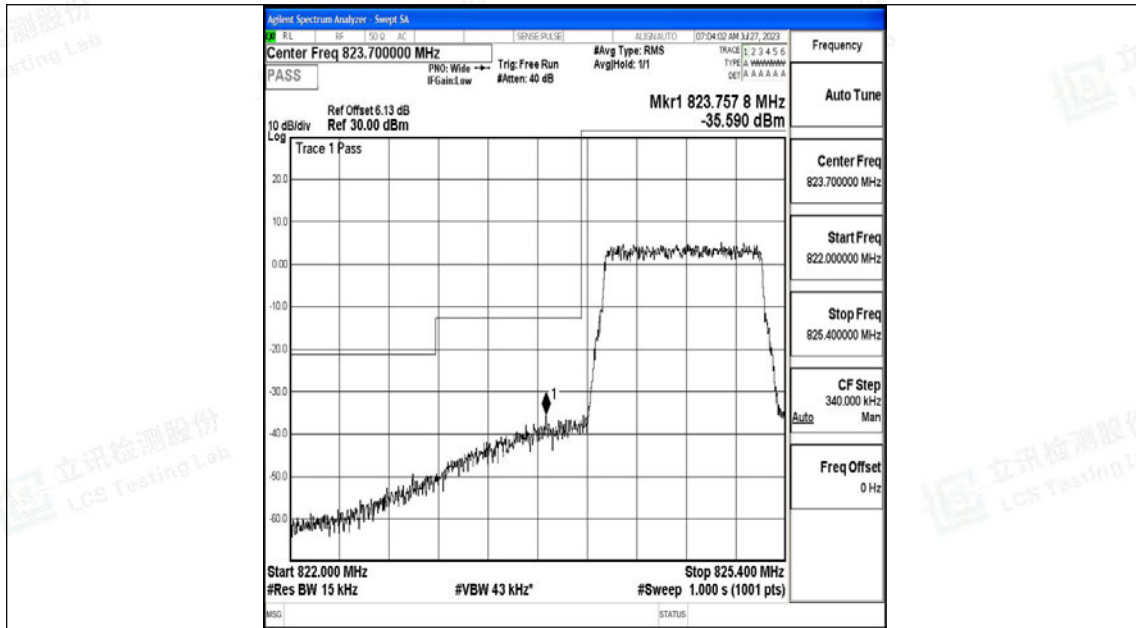
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.96	-34.62	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.76	-35.59	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.03	-37.57	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.05	-36.89	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-25.72	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-27.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-26.70	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.01	-27.51	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.99	-31.44	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-31.99	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.01	-32.59	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.01	-33.41	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.99	-35.05	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-35.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.01	-33.96	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.01	-35.37	PASS

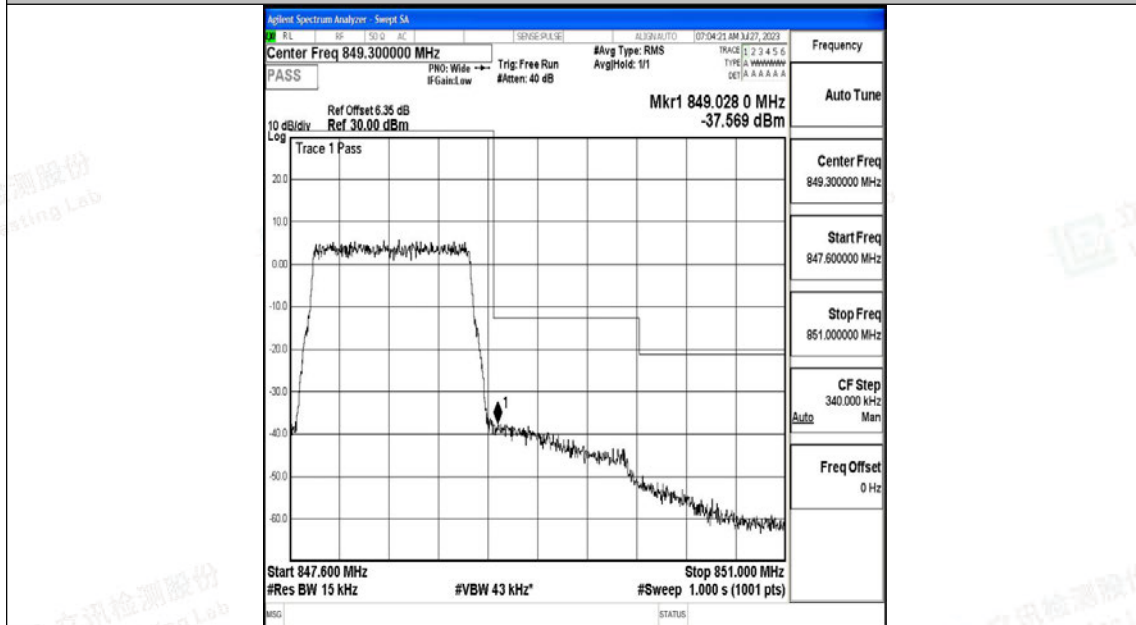
#### Test Graphs





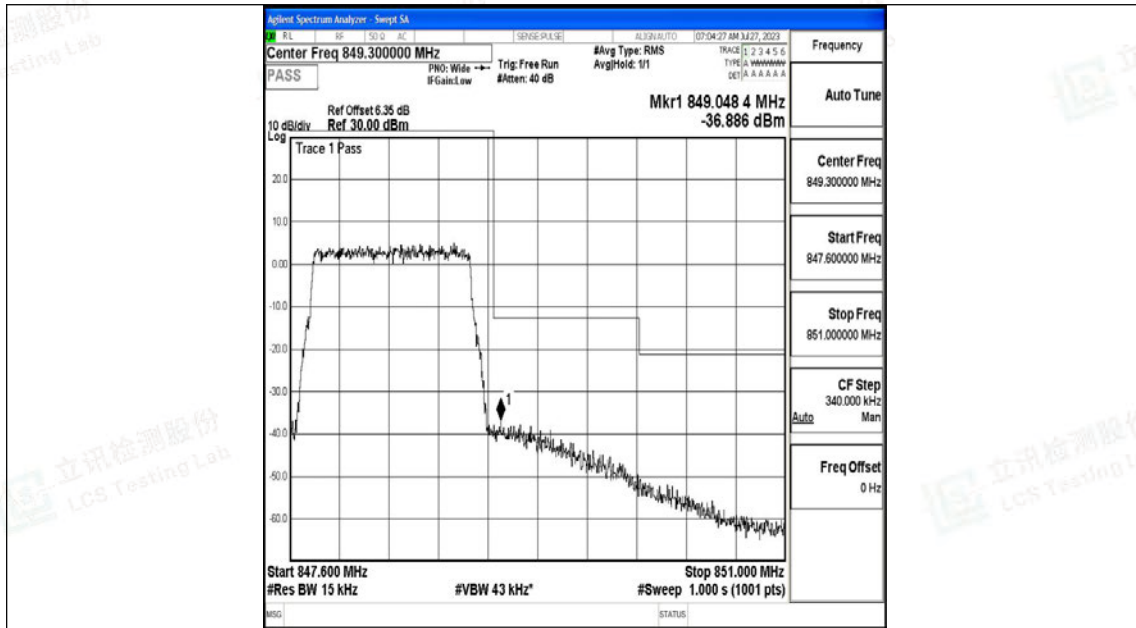


Band5\_1.4MHz\_16QAM\_20407\_6RB#0

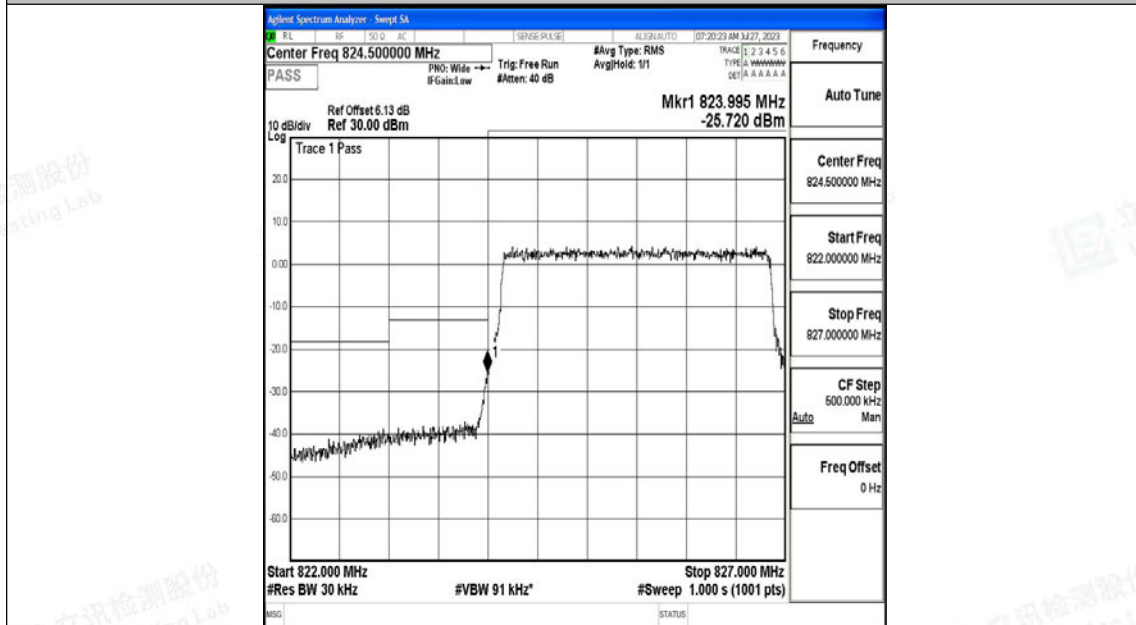


Band5\_1.4MHz\_QPSK\_20643\_6RB#0



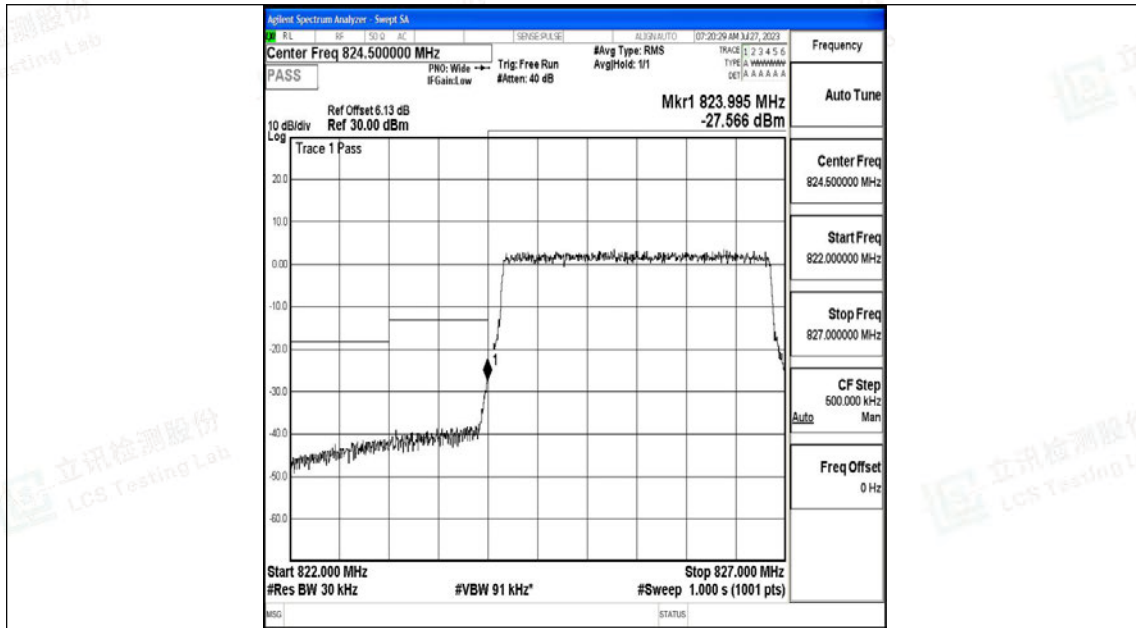


Band5\_1.4MHz\_16QAM\_20643\_6RB#0

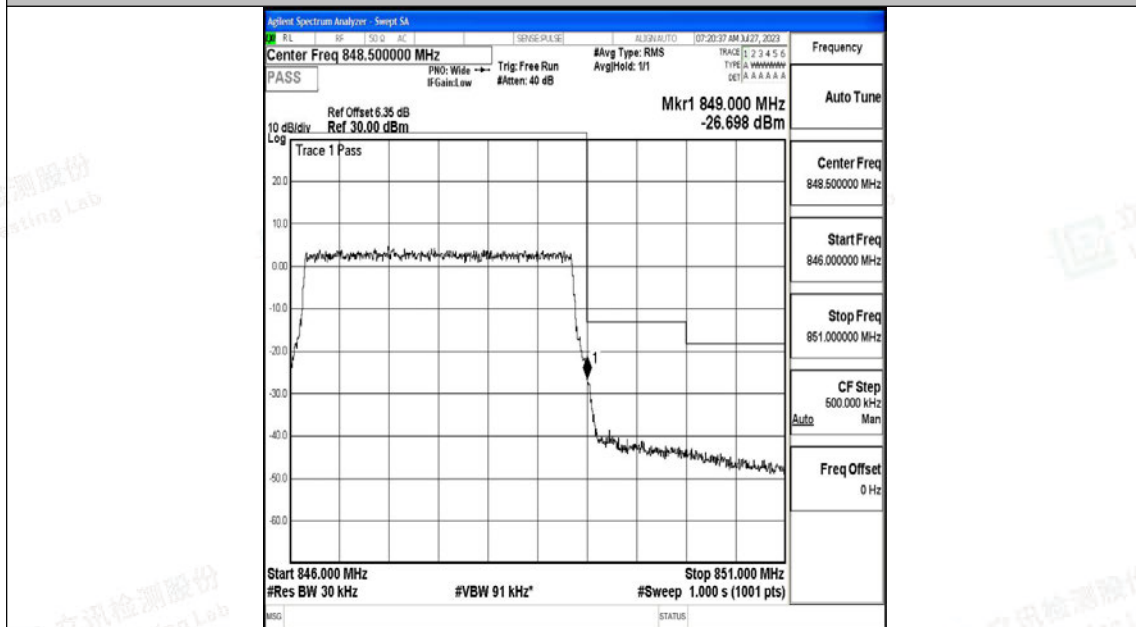


Band5\_3MHz\_QPSK\_20415\_15RB#0



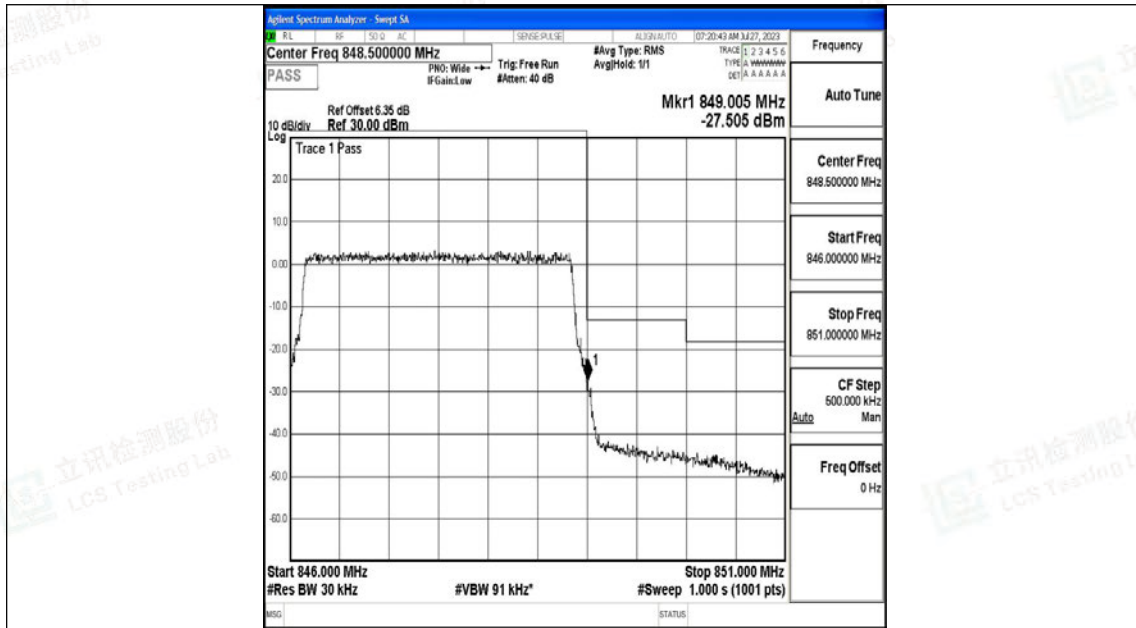


Band5\_3MHz\_16QAM\_20415\_15RB#0

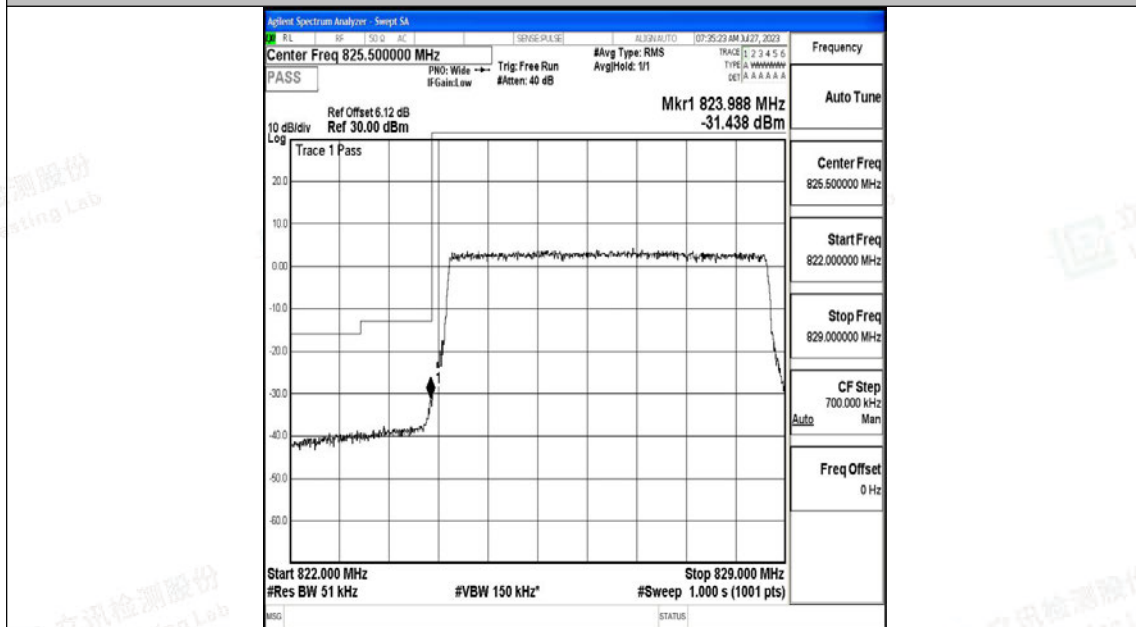


Band5\_3MHz\_QPSK\_20635\_15RB#0



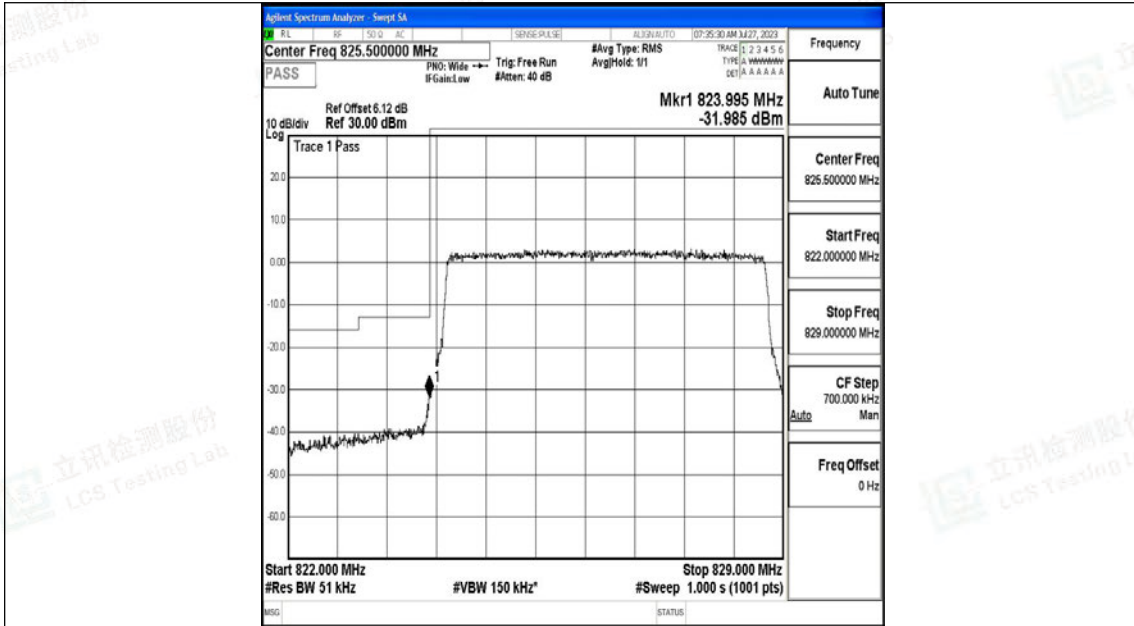


Band5\_3MHz\_16QAM\_20635\_15RB#0

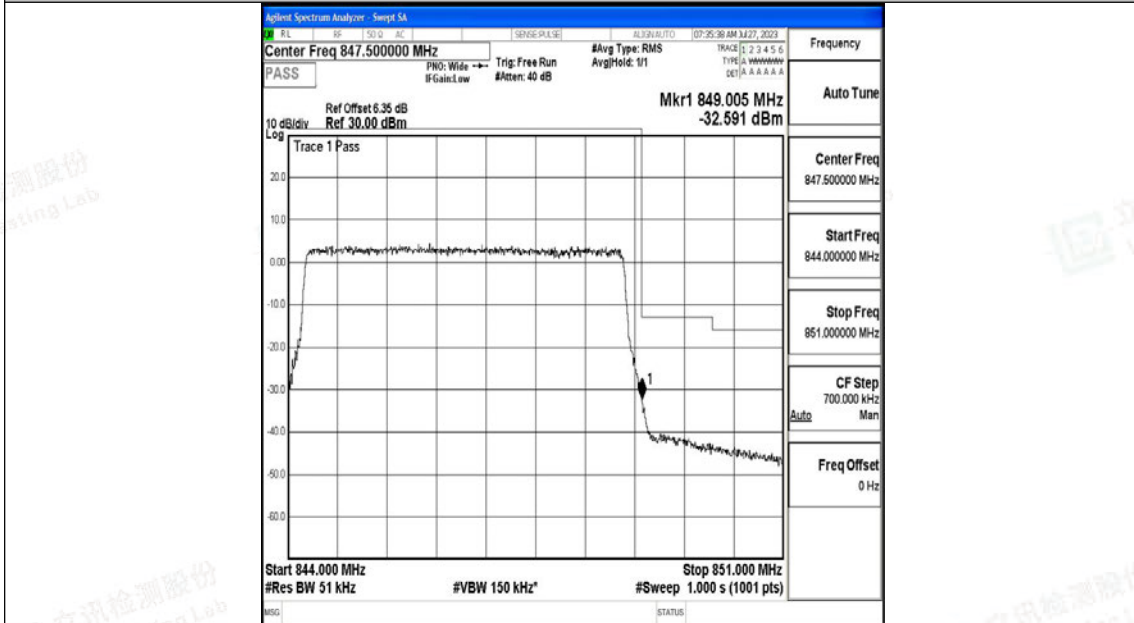


Band5\_5MHz\_QPSK\_20425\_25RB#0





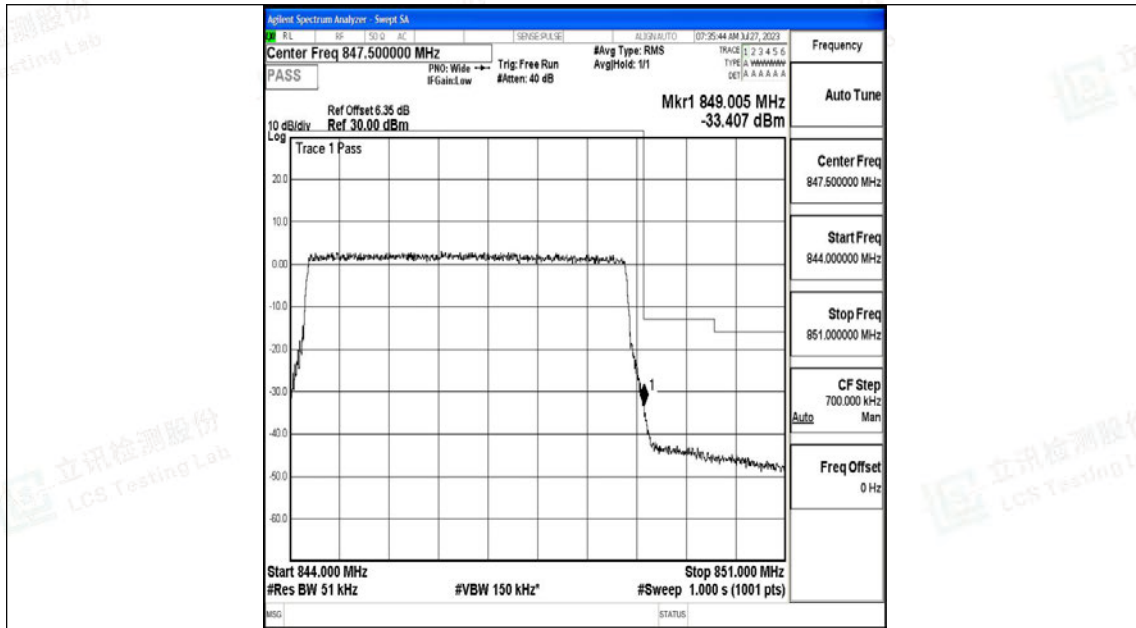
Band5\_5MHz\_16QAM\_20425\_25RB#0



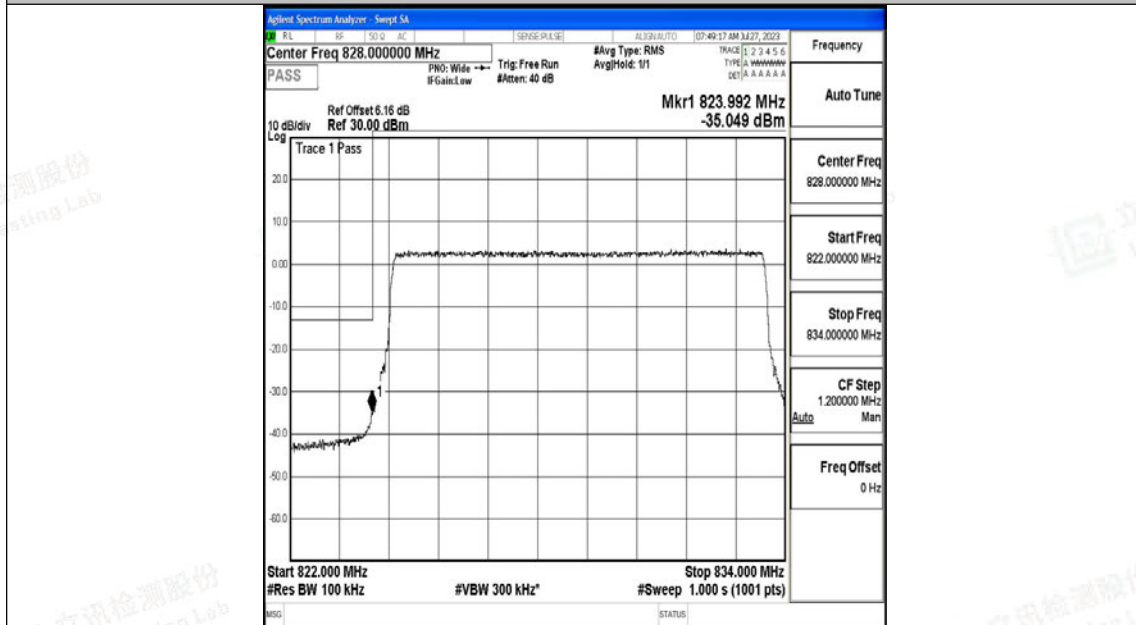
Band5\_5MHz\_QPSK\_20625\_25RB#0





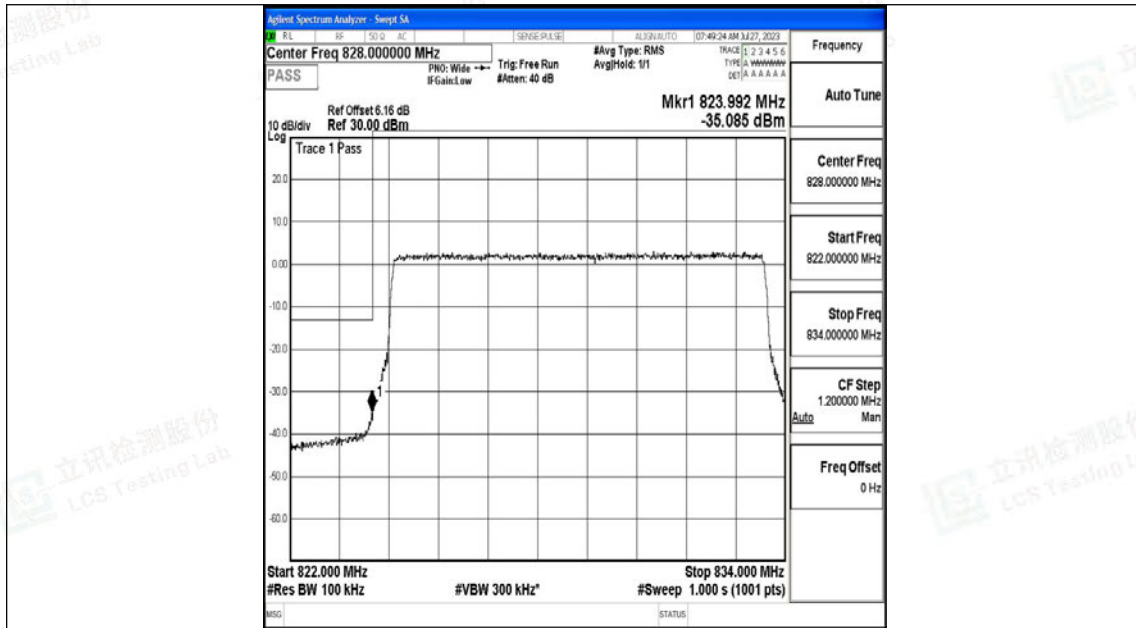


Band5\_5MHz\_16QAM\_20625\_25RB#0

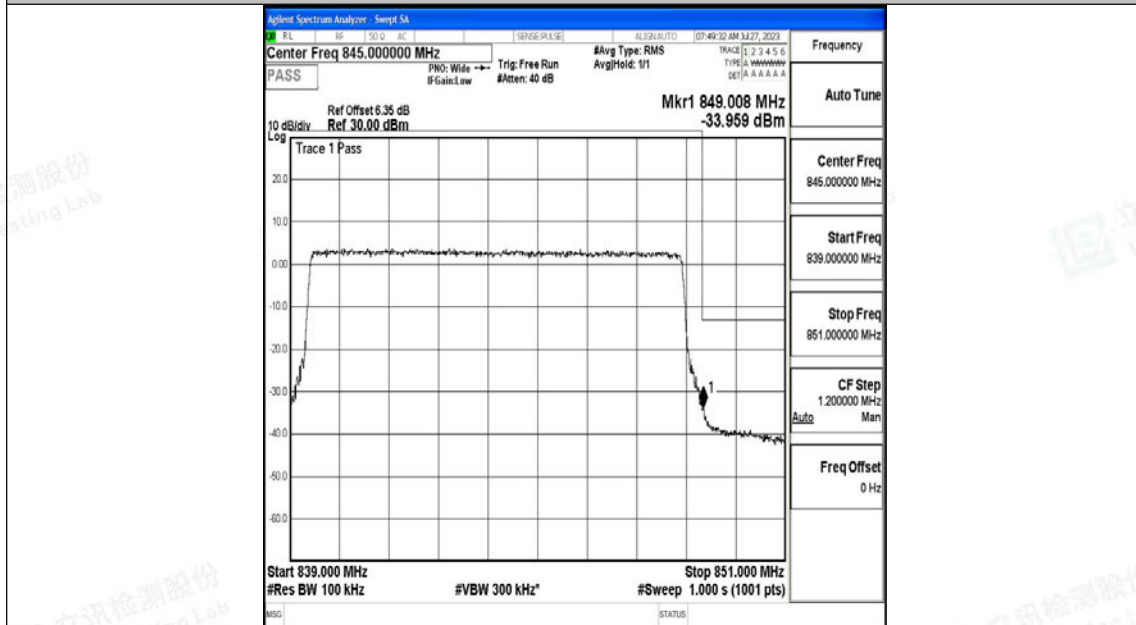


Band5\_10MHz\_QPSK\_20450\_50RB#0



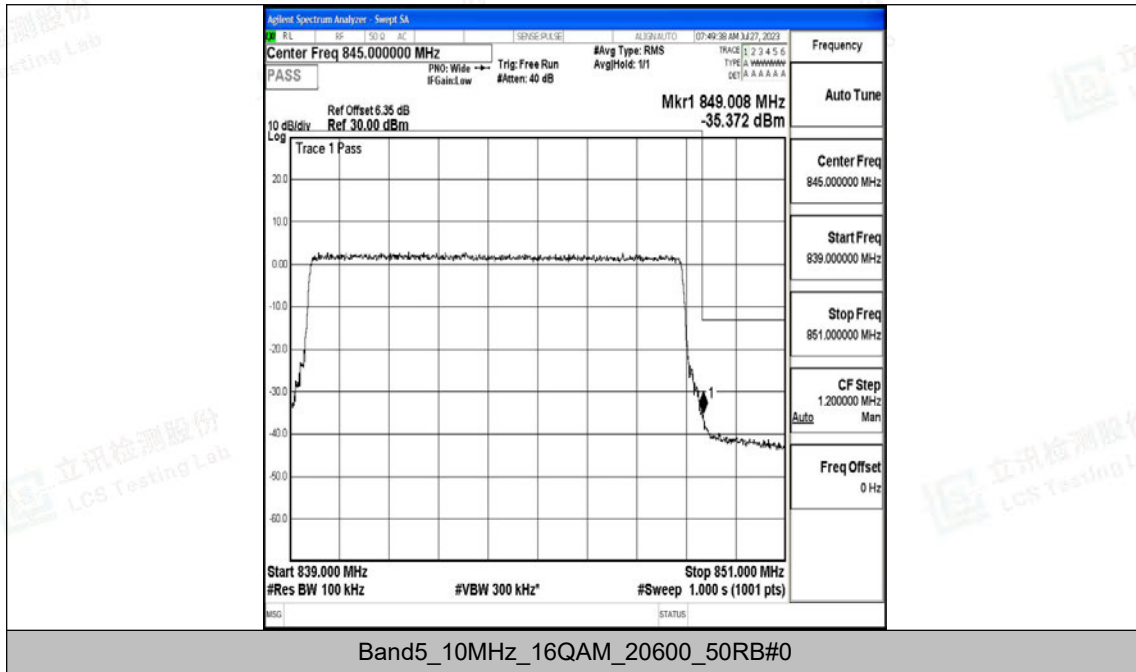


Band5\_10MHz\_16QAM\_20450\_50RB#0



Band5\_10MHz\_QPSK\_20600\_50RB#0







### F.5 Conducted Spurious Emission

#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-53.31	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-52.24	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-59.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-41.55	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.30	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-52.66	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-53.31	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-47.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-40.71	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.26	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-53.76	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-53.52	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-59.72	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-41.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-44.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-53.50	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-51.98	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-49.40	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-41.33	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-44.57	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-55.76	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-51.83	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-57.61	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-41.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.55	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-55.98	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-54.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-58.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-41.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-44.26	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-52.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-52.54	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-59.89	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-41.44	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-44.10	PASS





Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-53.00	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-52.78	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-60.03	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-40.16	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-44.32	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-51.80	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-53.64	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-60.68	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-40.75	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.08	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-55.58	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-52.09	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-60.92	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-42.42	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-44.22	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-55.29	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-52.66	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-58.93	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-41.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.28	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-58.41	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-52.51	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-60.60	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-43.49	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.30	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-52.16	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-54.26	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-61.13	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-40.70	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.25	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-53.67	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-50.88	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-61.96	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-42.76	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-44.33	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-54.53	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-52.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-61.41	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-39.37	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-43.72	PASS



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Scan code to check authenticity





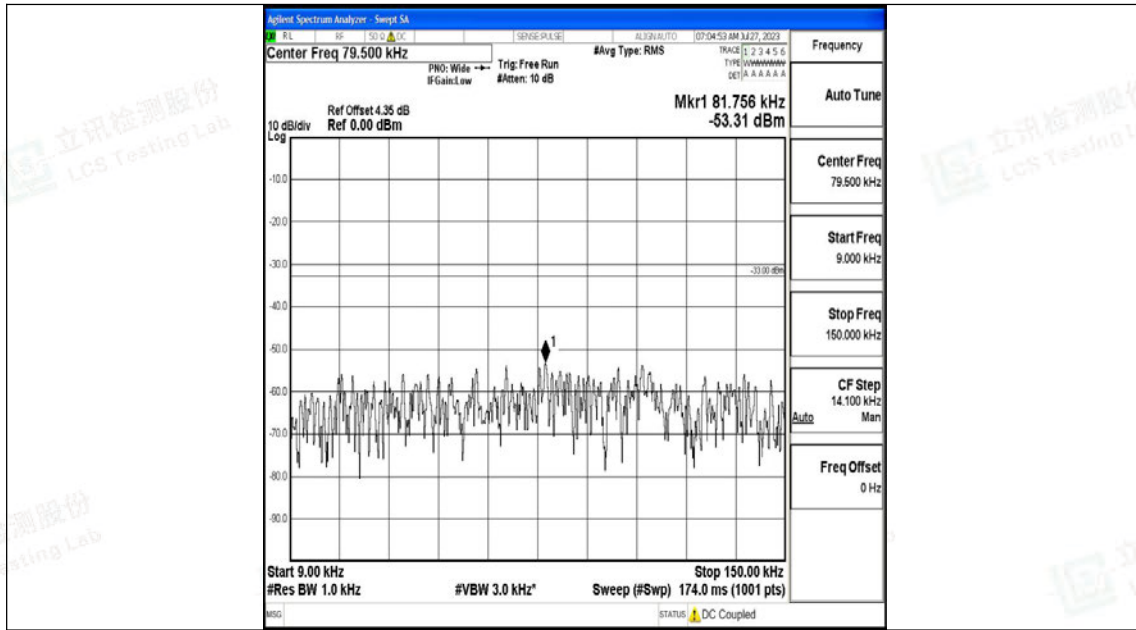
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-55.56	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-51.21	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-58.07	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-41.56	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-43.57	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-54.89	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-54.87	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-61.65	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-41.25	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-44.08	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-56.89	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-55.00	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-56.37	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-44.62	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.16	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-52.65	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-54.50	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-62.91	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-40.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-44.05	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-52.43	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-53.19	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-62.89	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-41.62	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.31	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-53.74	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-54.19	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-62.86	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-39.27	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-44.24	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-55.54	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-53.09	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-62.77	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-41.10	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-44.38	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-54.18	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-51.25	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-62.68	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-42.46	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.11	PASS



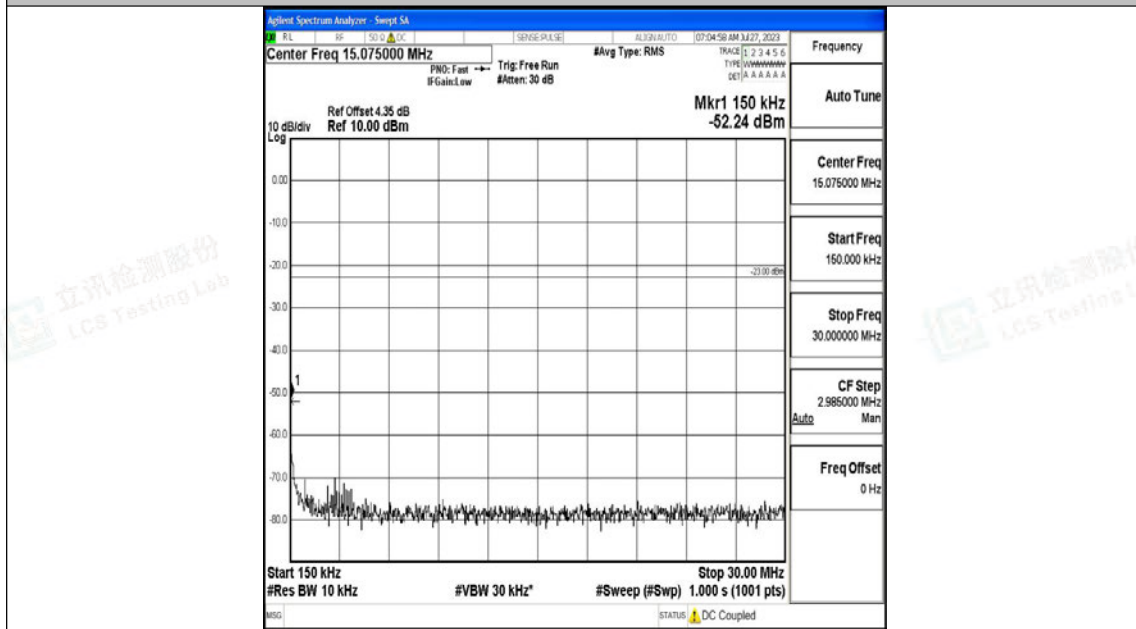


Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-57.61	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-51.35	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-62.68	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-43.91	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.33	PASS

### Test Graphs

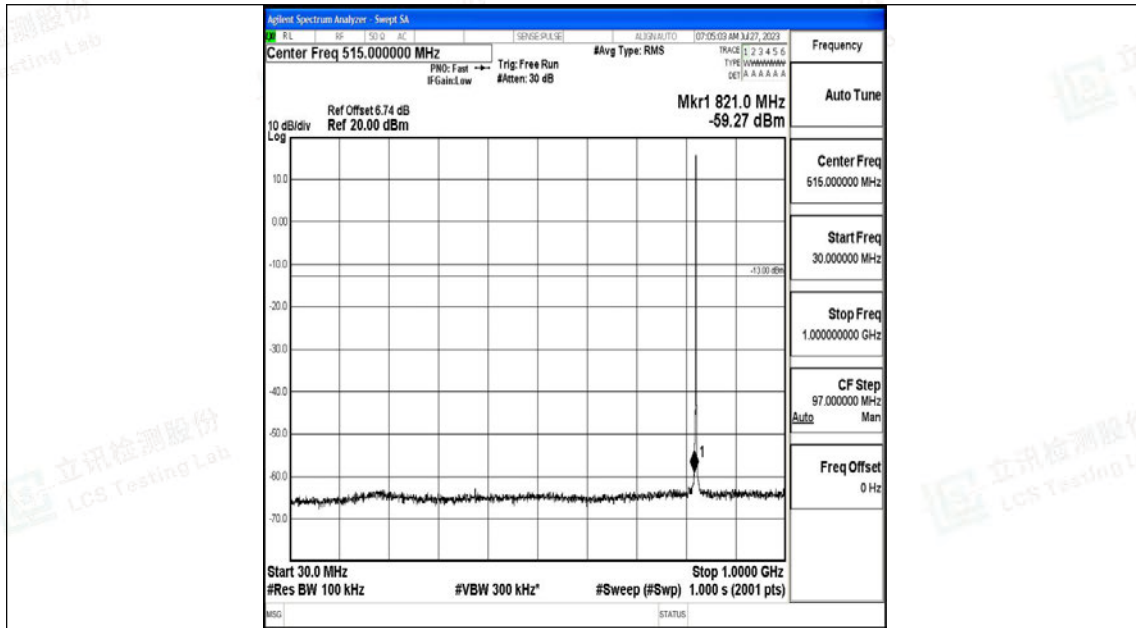


Band5\_1.4MHz\_QPSK\_20407\_1RB#0\_0.009~0.15\_0.009~0.15

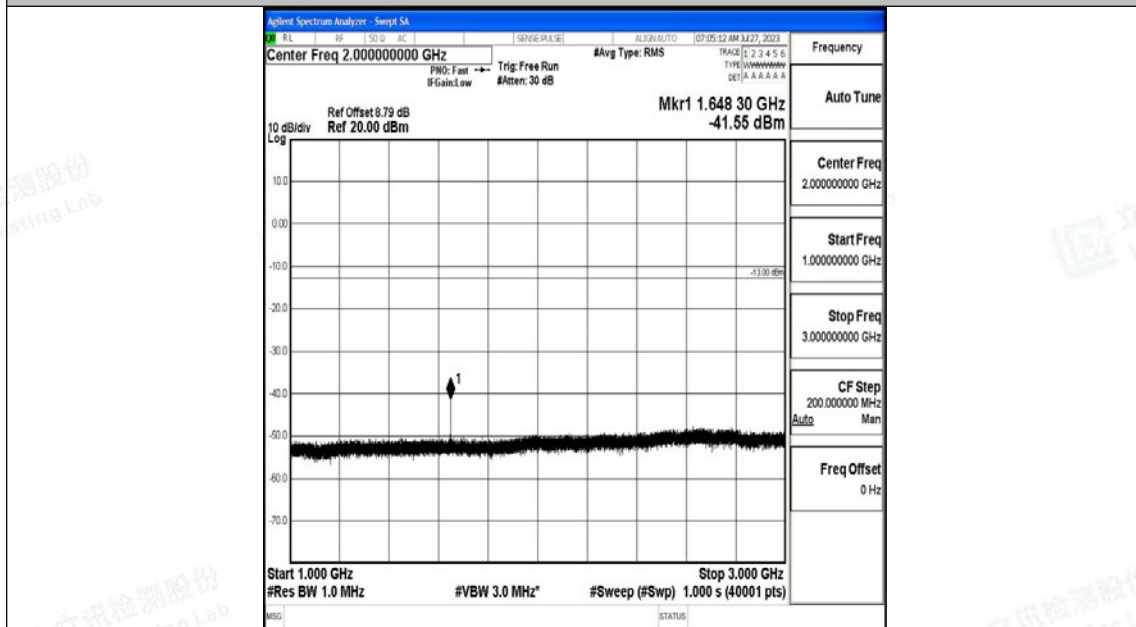


Band5\_1.4MHz\_QPSK\_20407\_1RB#0\_0.15~30\_0.15~30



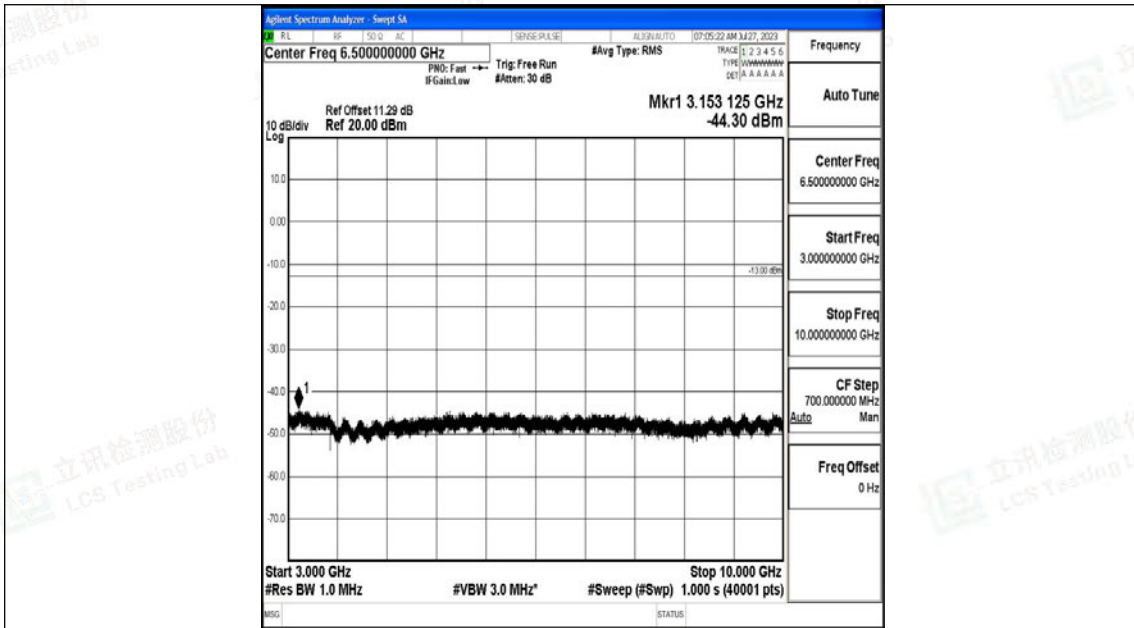


Band5\_1.4MHz\_QPSK\_20407\_1RB#0\_30~1000\_30~1000

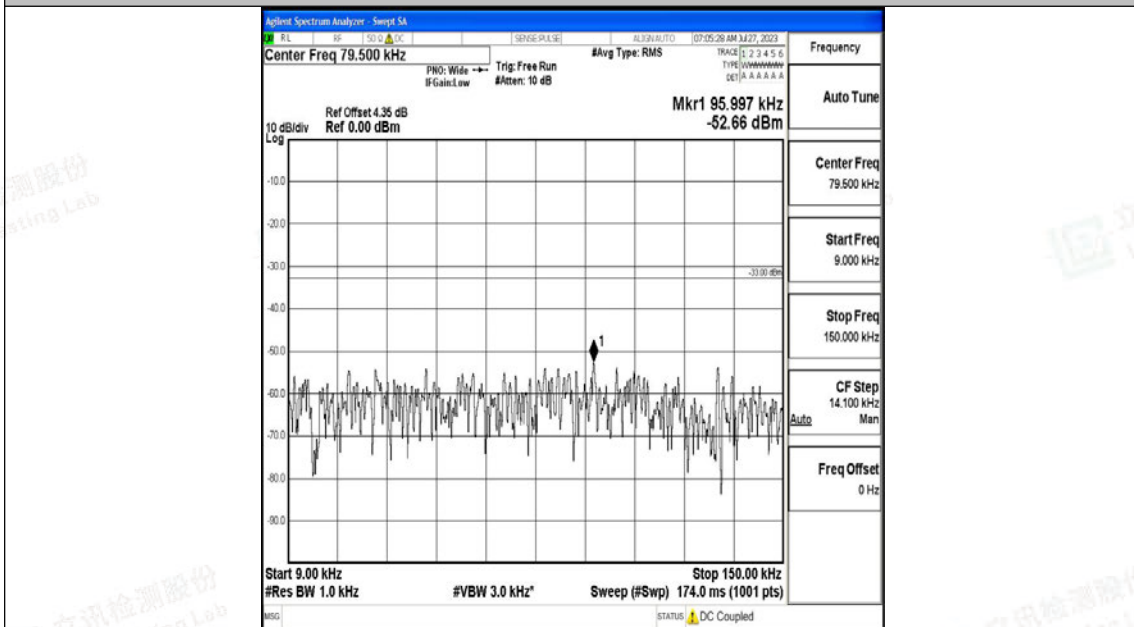


Band5\_1.4MHz\_QPSK\_20407\_1RB#0\_1000~3000\_1000~3000



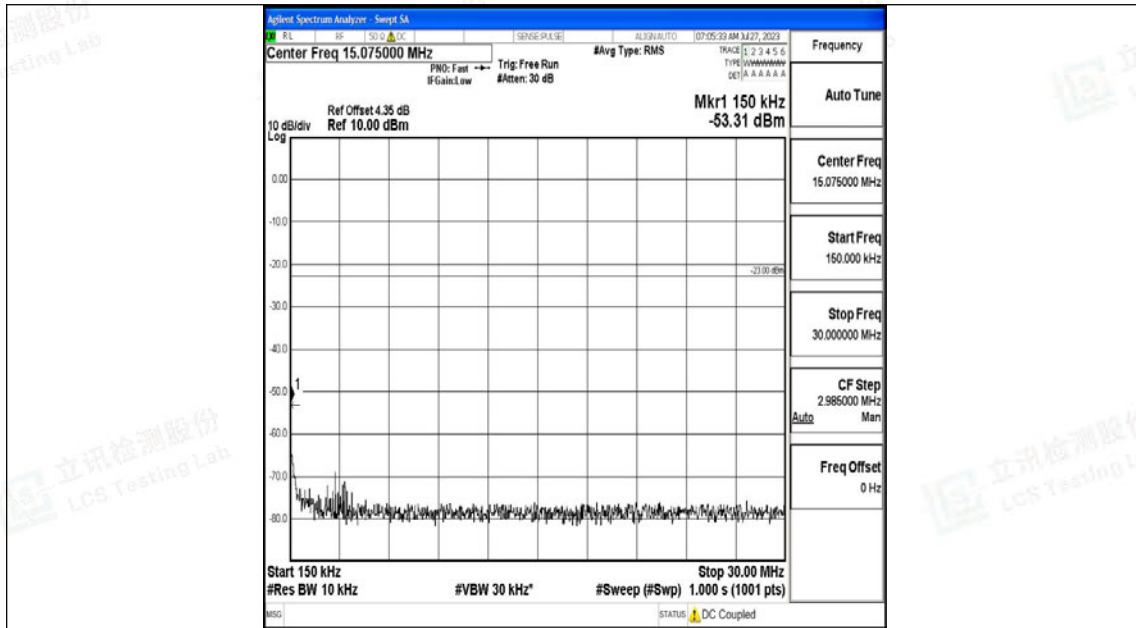


Band5\_1.4MHz\_QPSK\_20407\_1RB#0\_3000~10000\_3000~10000

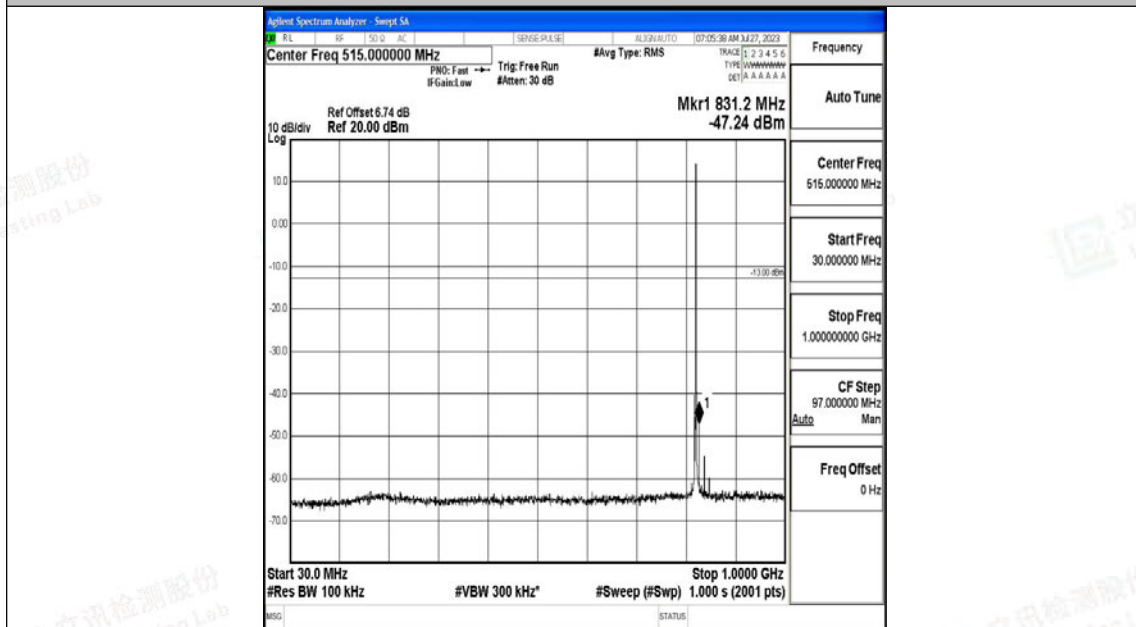


Band5\_1.4MHz\_16QAM\_20407\_1RB#0\_0.009~0.15\_0.009~0.15





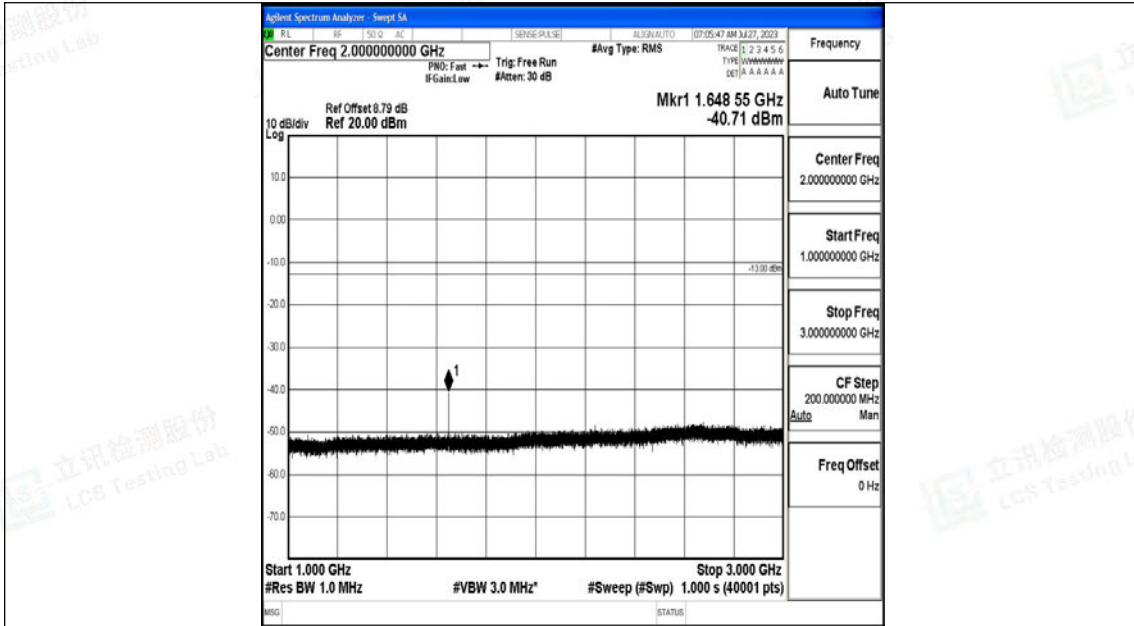
Band5\_1.4MHz\_16QAM\_20407\_1RB#0\_0.15~30\_0.15~30



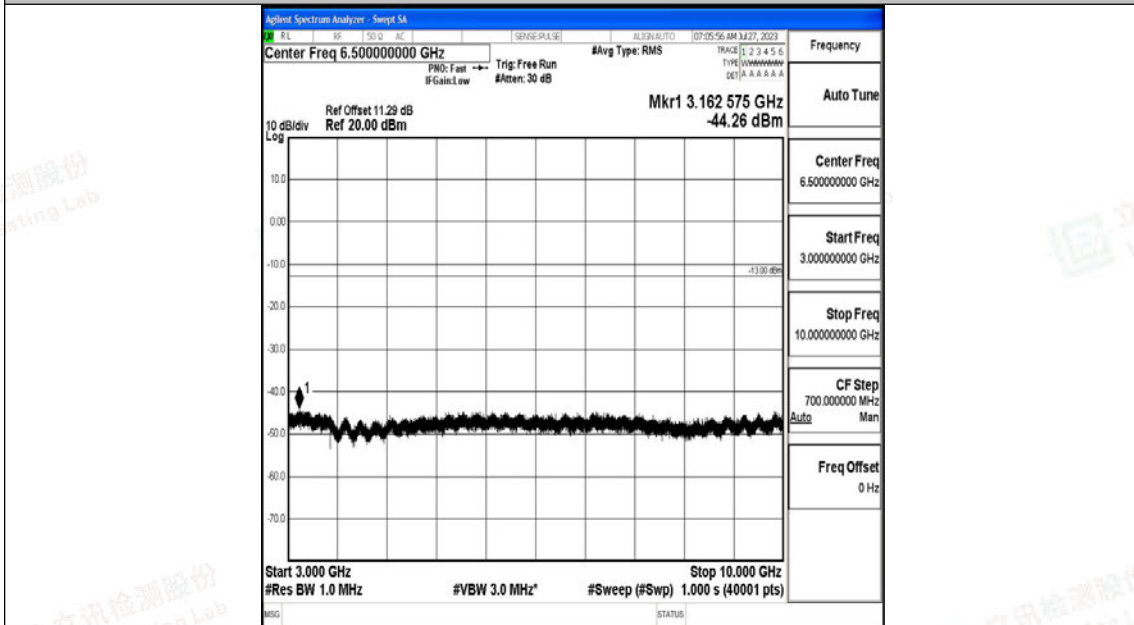
Band5\_1.4MHz\_16QAM\_20407\_1RB#0\_30~1000\_30~1000





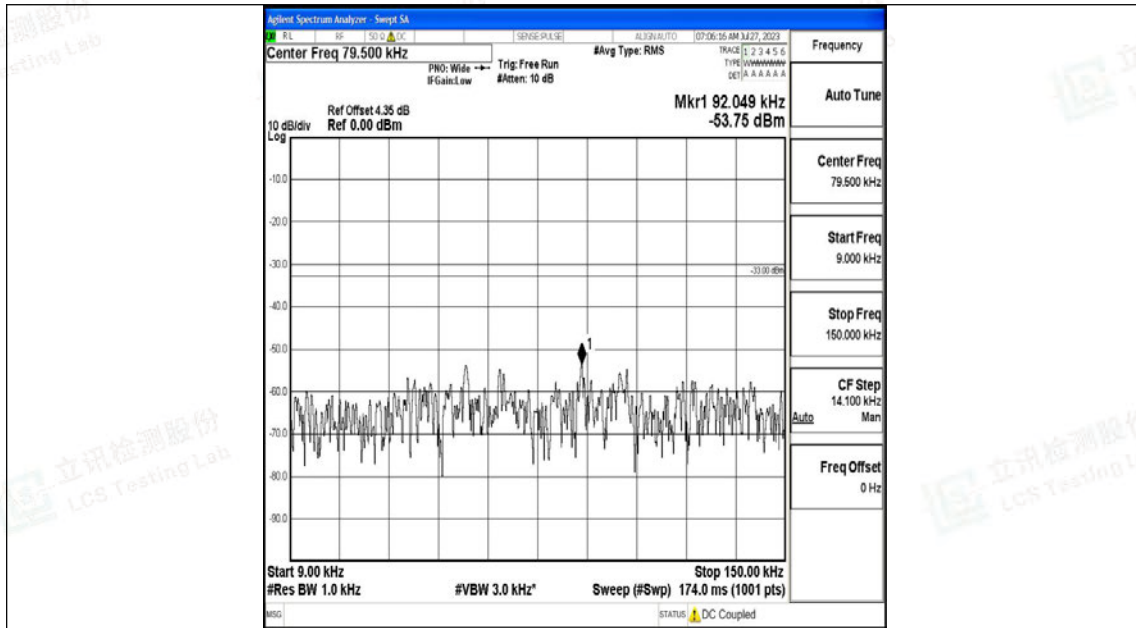


Band5\_1.4MHz\_16QAM\_20407\_1RB#0\_1000~3000\_1000~3000

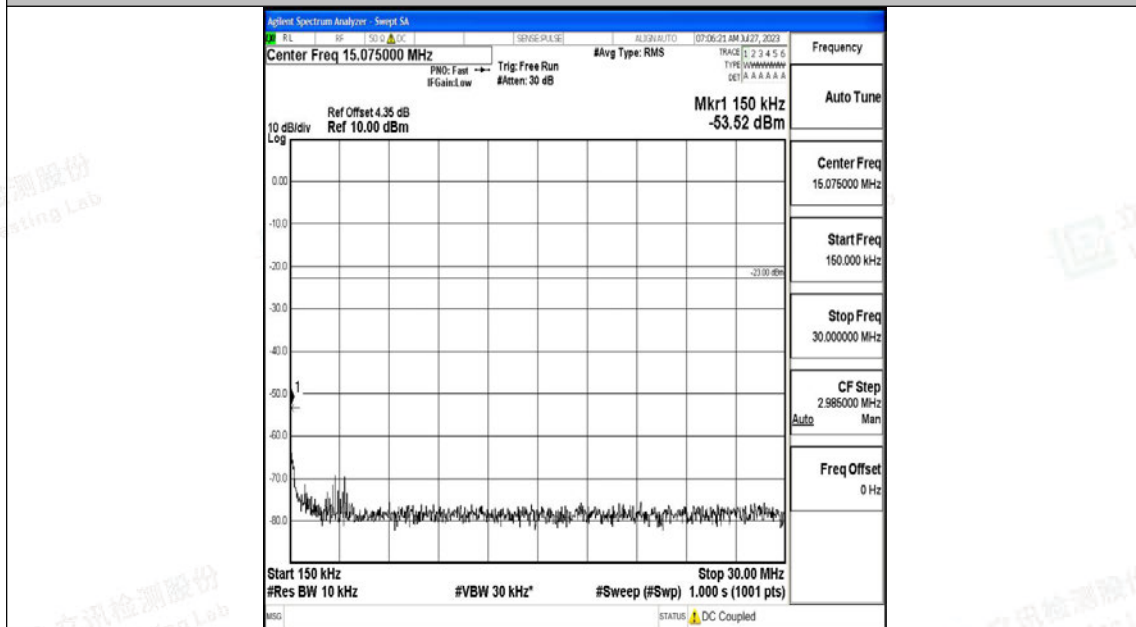


Band5\_1.4MHz\_16QAM\_20407\_1RB#0\_3000~10000\_3000~10000



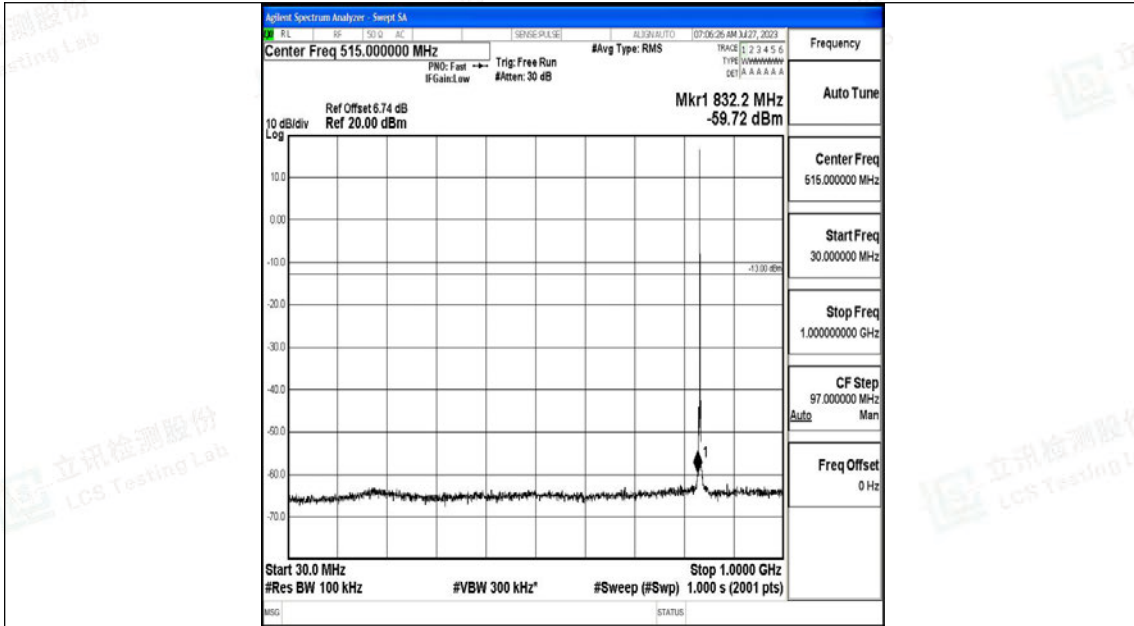


Band5\_1.4MHz\_QPSK\_20525\_1RB#0\_0.009~0.15\_0.009~0.15

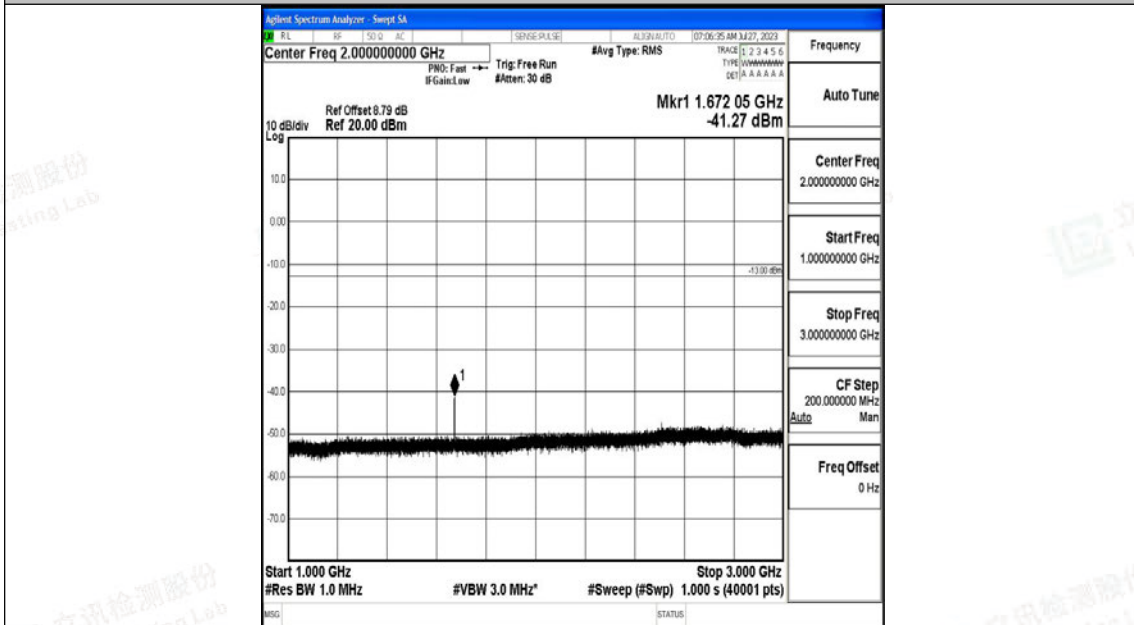


Band5\_1.4MHz\_QPSK\_20525\_1RB#0\_0.15~30\_0.15~30



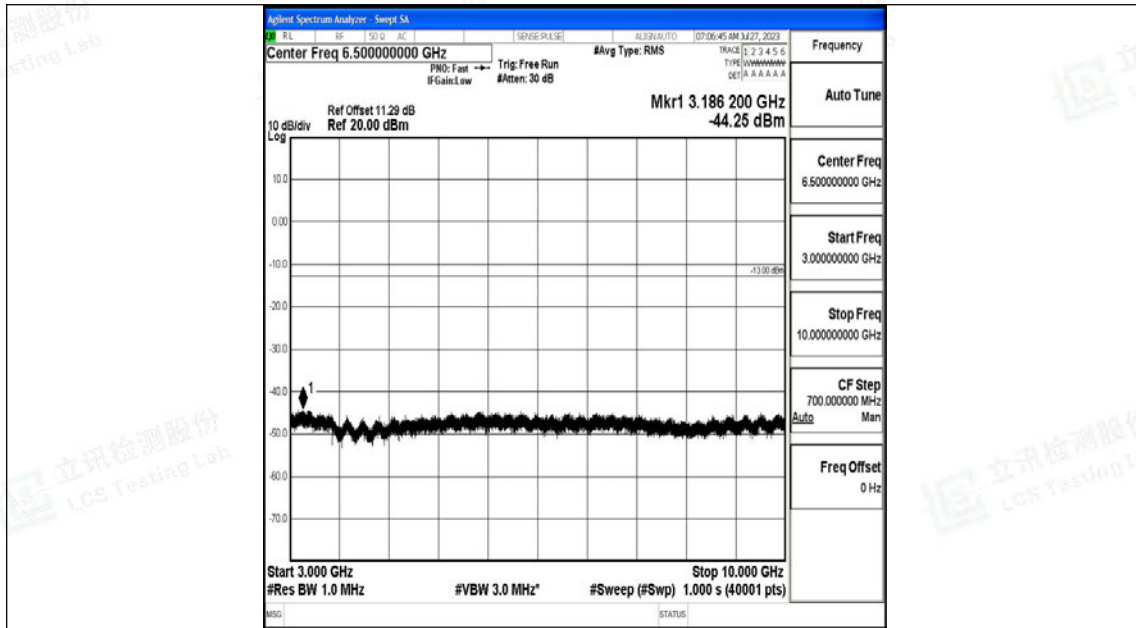


Band5\_1.4MHz\_QPSK\_20525\_1RB#0\_30~1000\_30~1000

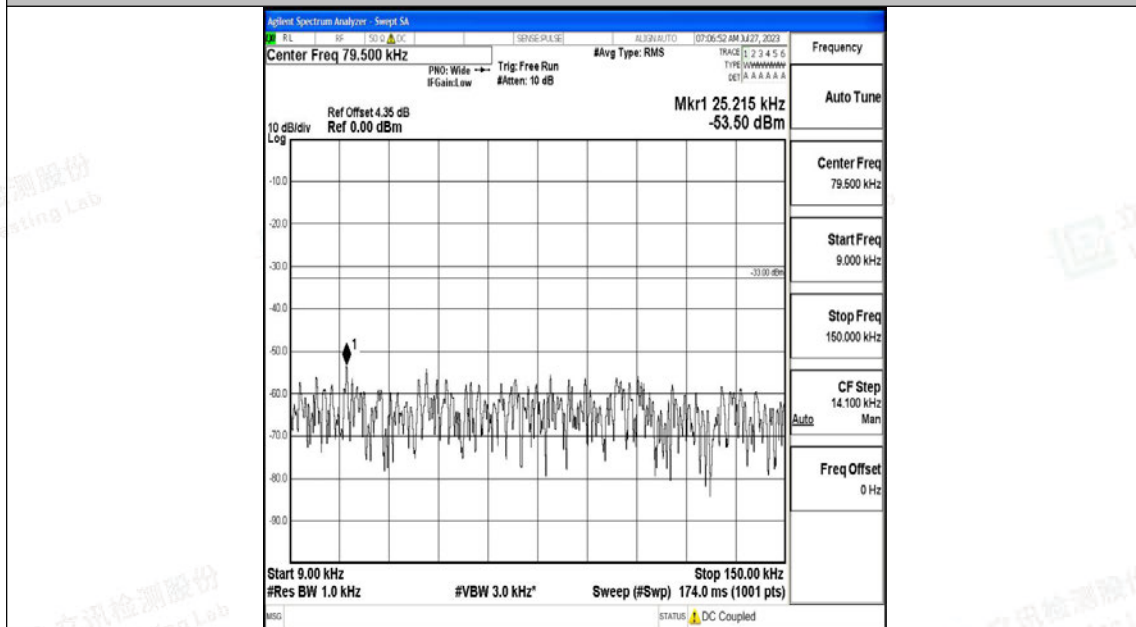


Band5\_1.4MHz\_QPSK\_20525\_1RB#0\_1000~3000\_1000~3000



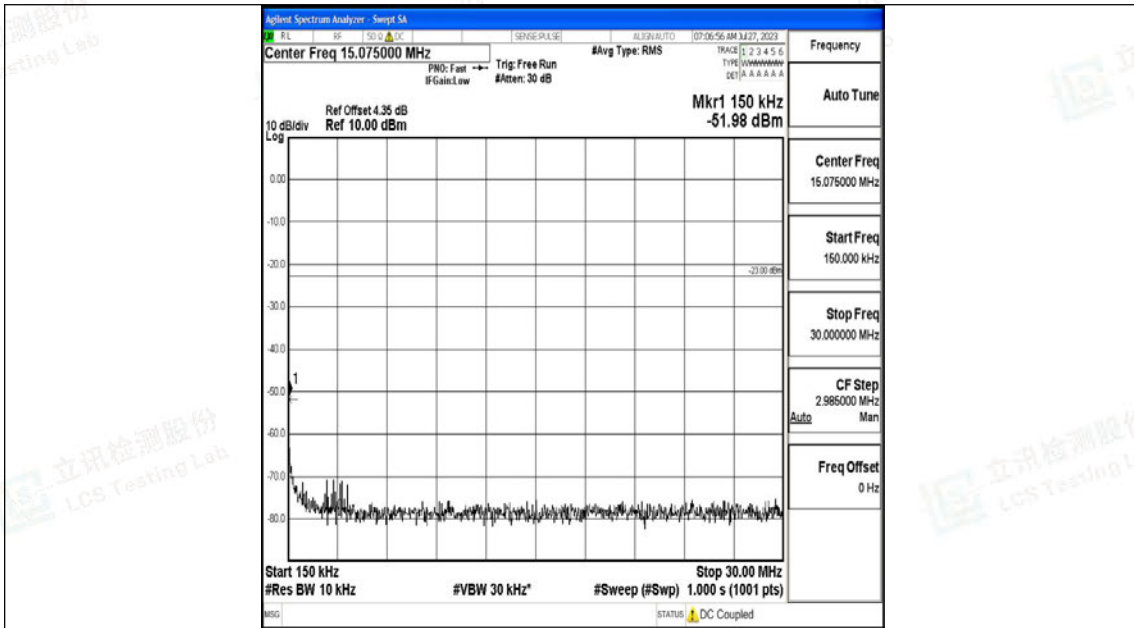


Band5\_1.4MHz\_QPSK\_20525\_1RB#0\_3000~10000\_3000~10000

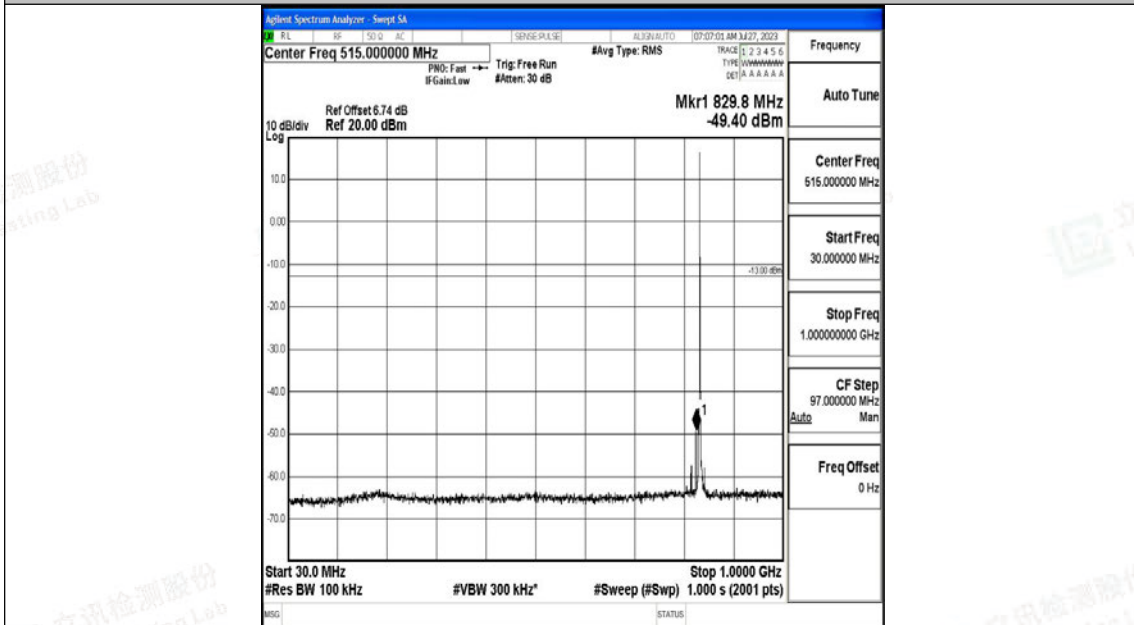


Band5\_1.4MHz\_16QAM\_20525\_1RB#0\_0.009~0.15\_0.009~0.15





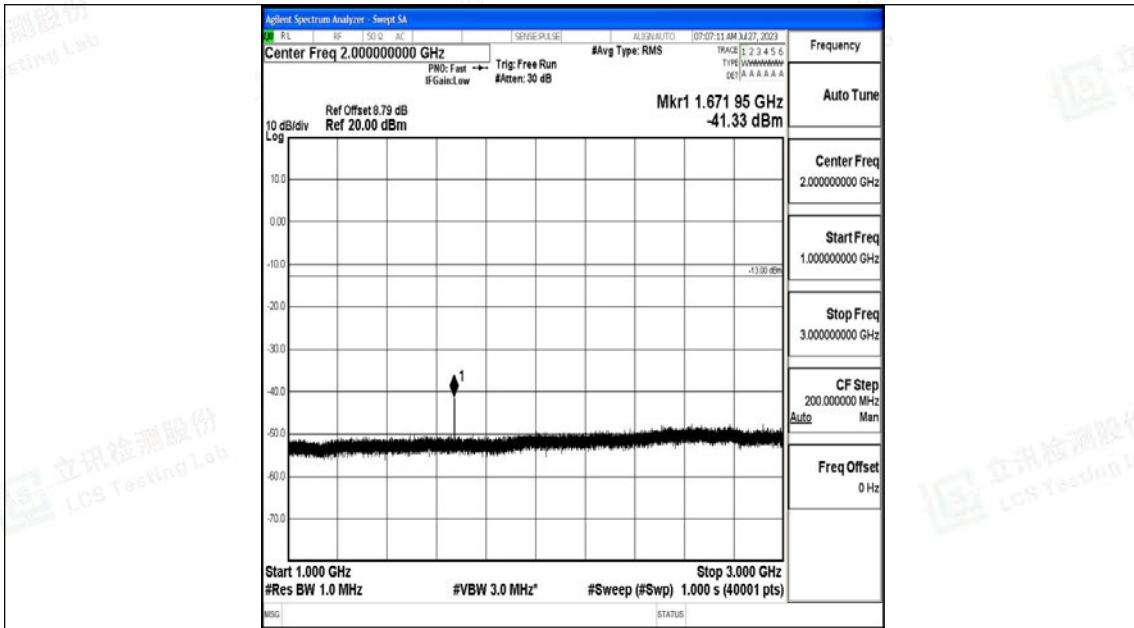
Band5\_1.4MHz\_16QAM\_20525\_1RB#0\_0.15~30\_0.15~30



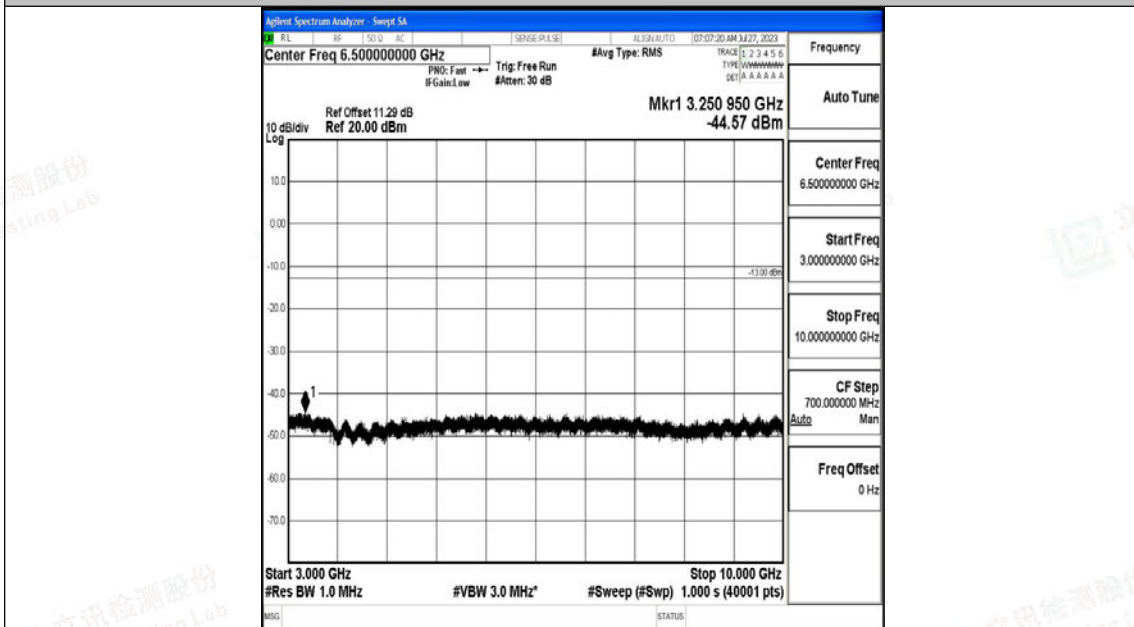
Band5\_1.4MHz\_16QAM\_20525\_1RB#0\_30~1000\_30~1000





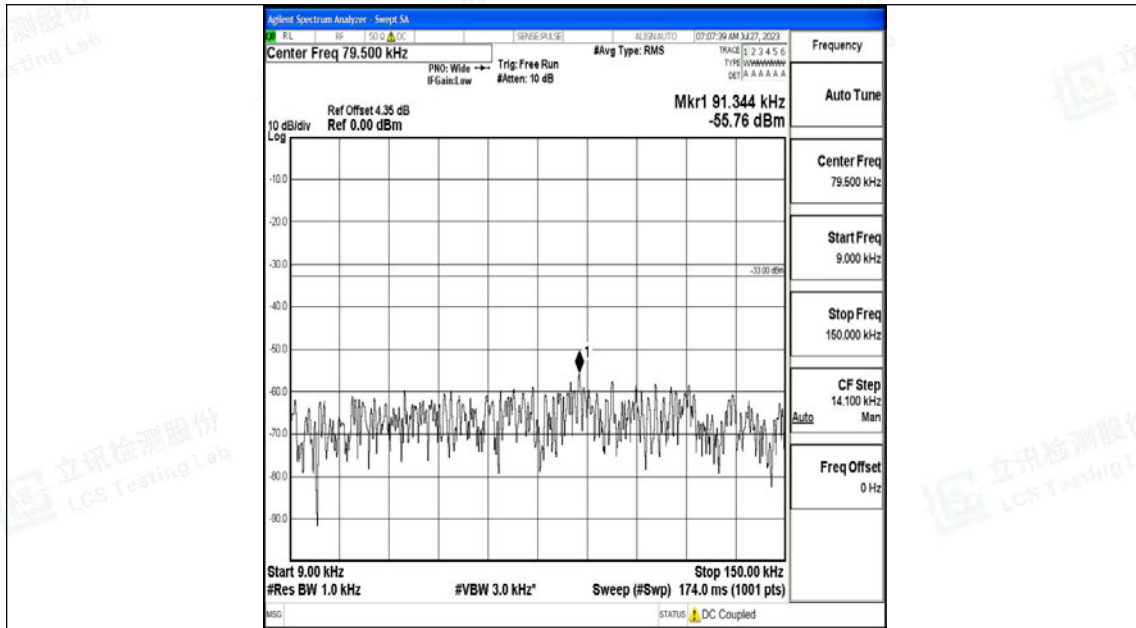


Band5\_1.4MHz\_16QAM\_20525\_1RB#0\_1000~3000\_1000~3000

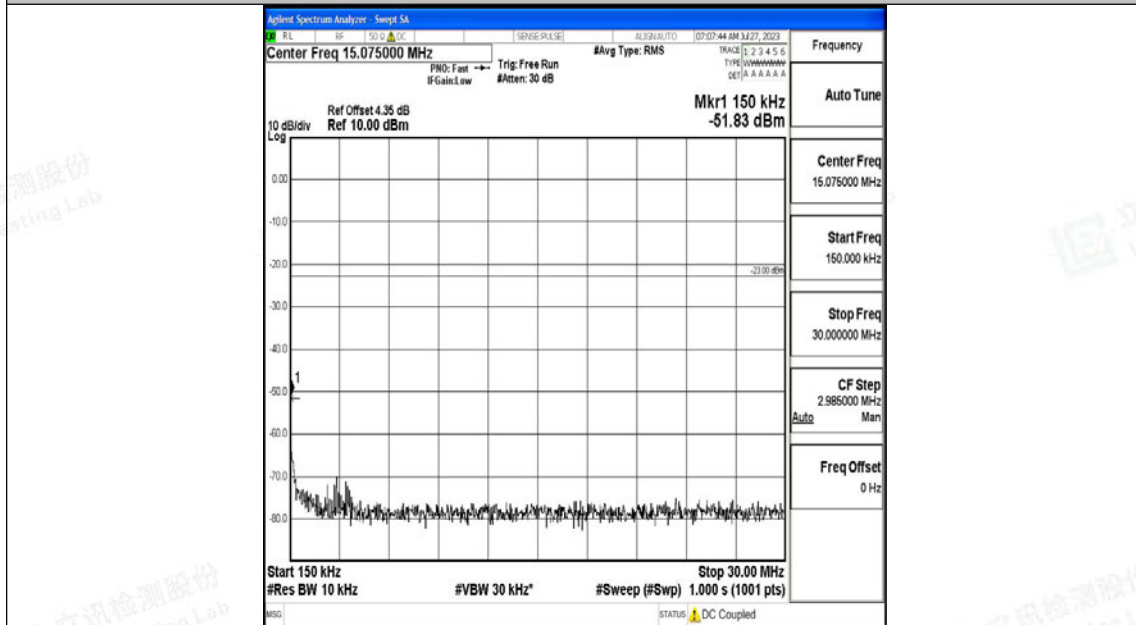


Band5\_1.4MHz\_16QAM\_20525\_1RB#0\_3000~10000\_3000~10000





Band5\_1.4MHz\_QPSK\_20643\_1RB#0\_0.009~0.15\_0.009~0.15



Band5\_1.4MHz\_QPSK\_20643\_1RB#0\_0.15~30\_0.15~30

