



Appendix M: Test Data for E-UTRA Band 71

Product Name: Smart Phone

Test Model: HPPL63A

Environmental Conditions

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





M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.15	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.09	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.25	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.16	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.14	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.10	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.11	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.06	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.19	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.18	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.28	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.01	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.15	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.18	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.14	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.17	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.17	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.07	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.02	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.14	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.13	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.99	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.16	PASS
Band71	5MHz	16QAM	133447	12RB#0	21.08	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.15	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.10	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.07	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.02	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.14	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.06	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.20	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.24	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.21	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.23	PASS





Band71	10MHz	QPSK	133172	25RB#25	22.28	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.30	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.28	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.25	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.16	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.27	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.27	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.30	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.05	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.12	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.26	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.24	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.26	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.23	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.20	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.20	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.24	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.26	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.11	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.02	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.33	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.20	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.17	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.96	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.29	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.34	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.30	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.29	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.16	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.17	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.23	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.25	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.06	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.23	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.07	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.31	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.03	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.21	PASS
Band71	15MHz	QPSK	133197	38RB#0	22.20	PASS
Band71	15MHz	16QAM	133197	38RB#0	22.22	PASS



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Scan code to check authenticity



Band71	15MHz	QPSK	133197	38RB#18	22.32	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.32	PASS
Band71	15MHz	QPSK	133197	38RB#37	22.23	PASS
Band71	15MHz	16QAM	133197	38RB#37	22.23	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.21	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.18	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.08	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.14	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.12	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.22	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.09	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.14	PASS
Band71	15MHz	QPSK	133297	38RB#0	22.17	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.17	PASS
Band71	15MHz	QPSK	133297	38RB#18	22.23	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.21	PASS
Band71	15MHz	QPSK	133297	38RB#37	22.13	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.08	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.22	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.17	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.95	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.16	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.03	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.19	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.00	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.23	PASS
Band71	15MHz	QPSK	133397	38RB#0	22.20	PASS
Band71	15MHz	16QAM	133397	38RB#0	22.18	PASS
Band71	15MHz	QPSK	133397	38RB#18	22.21	PASS
Band71	15MHz	16QAM	133397	38RB#18	22.21	PASS
Band71	15MHz	QPSK	133397	38RB#37	22.14	PASS
Band71	15MHz	16QAM	133397	38RB#37	22.19	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.18	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.18	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.93	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.90	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.36	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.34	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.85	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.88	PASS



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Band71	20MHz	QPSK	133222	50RB#0	22.15	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.13	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.10	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.12	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.13	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.11	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.09	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.09	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.97	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.15	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.27	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.32	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.85	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.76	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.26	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.33	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.28	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.32	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.15	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.14	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.17	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.17	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.90	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.79	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.19	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.96	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.83	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.32	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.16	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.25	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.25	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.25	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.20	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.21	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.21	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.11	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.15	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.07	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.18	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.14	PASS



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Scan code to check authenticity



Band71	5MHz	QPSK	133147	25RB#0	22.13	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.21	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.22	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.15	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.18	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.19	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.15	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.07	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.11	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.16	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.09	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.30	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.16	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.19	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.96	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.42	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.46	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.07	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	5.30	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.68	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.58	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.16	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	4.81	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.36	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.56	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.16	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.84	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.69	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.51	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.15	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	5.13	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	6.01	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.57	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.19	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.65	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.52	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.48	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.16	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.84	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.68	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.83	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.26	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	5.12	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	6.02	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.89	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.30	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	5.00	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.89	13	PASS



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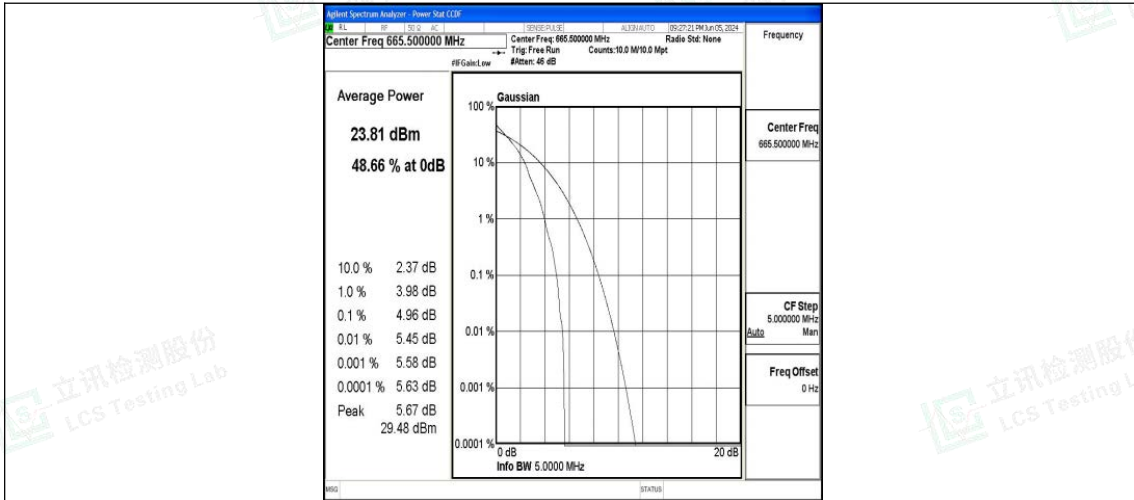


Band71	15MHz	QPSK	133397	75RB#0	5.75	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.15	13	PASS
Band71	20MHz	QPSK	133222	1RB#0	5.02	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.63	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.63	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.30	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	5.21	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.81	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.67	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.36	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.52	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.30	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.79	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.42	13	PASS

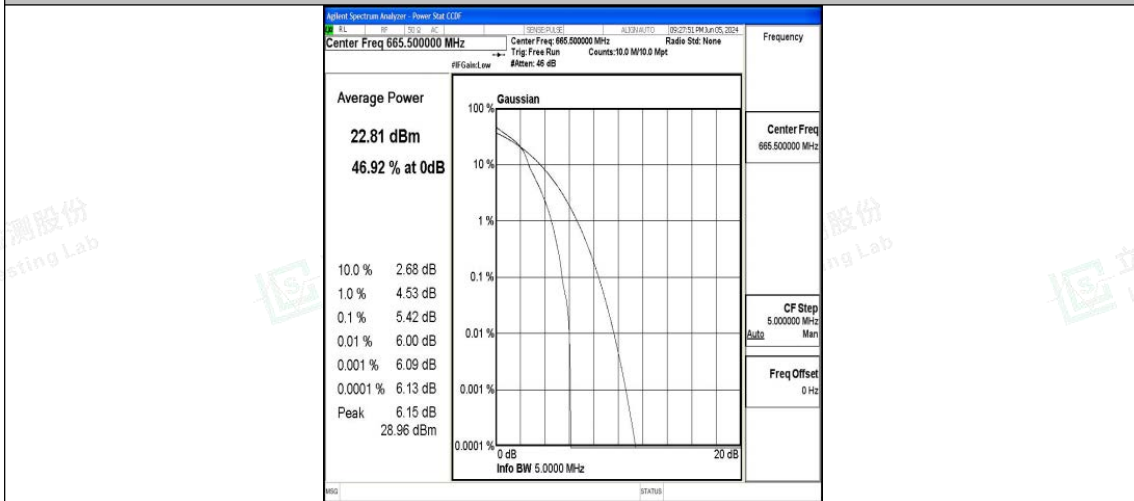




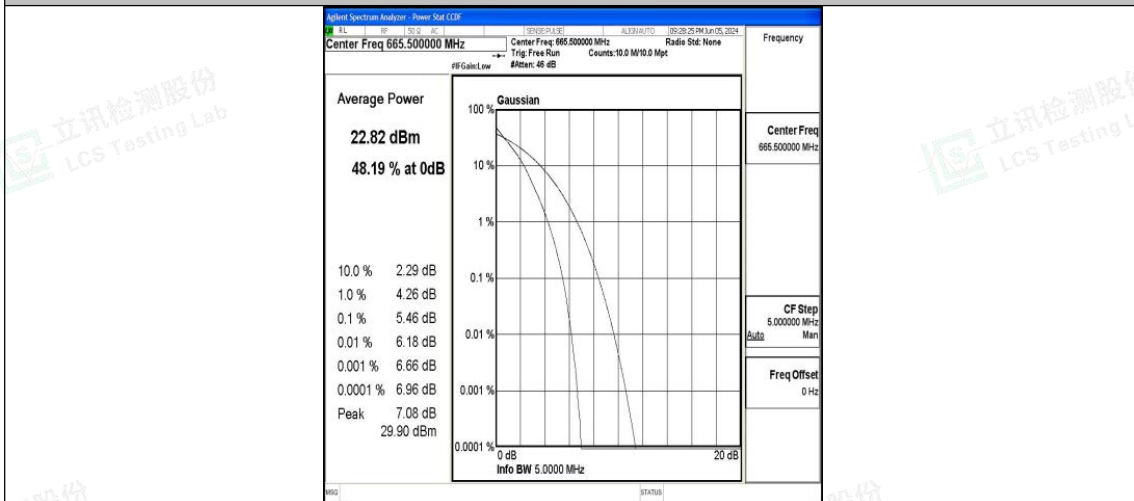
Test Graphs



Band71-5MHz-QPSK-133147-1RB#0-PASS

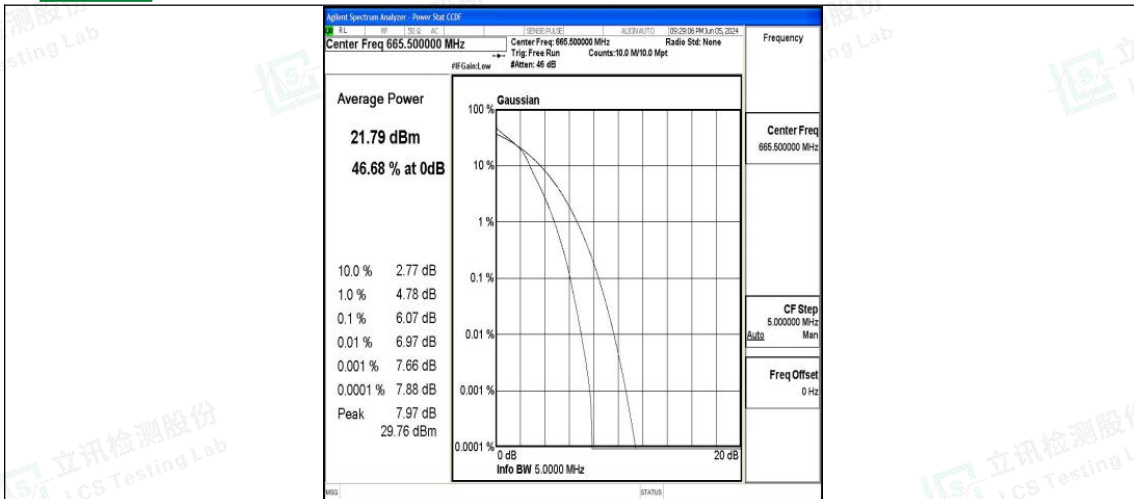


Band71-5MHz-16QAM-133147-1RB#0-PASS

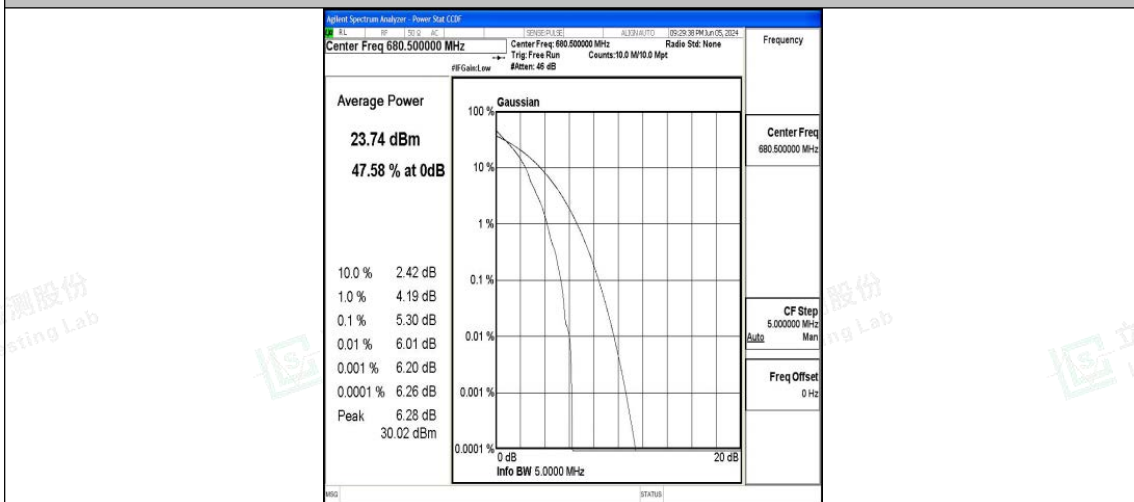


Band71-5MHz-QPSK-133147-25RB#0-PASS

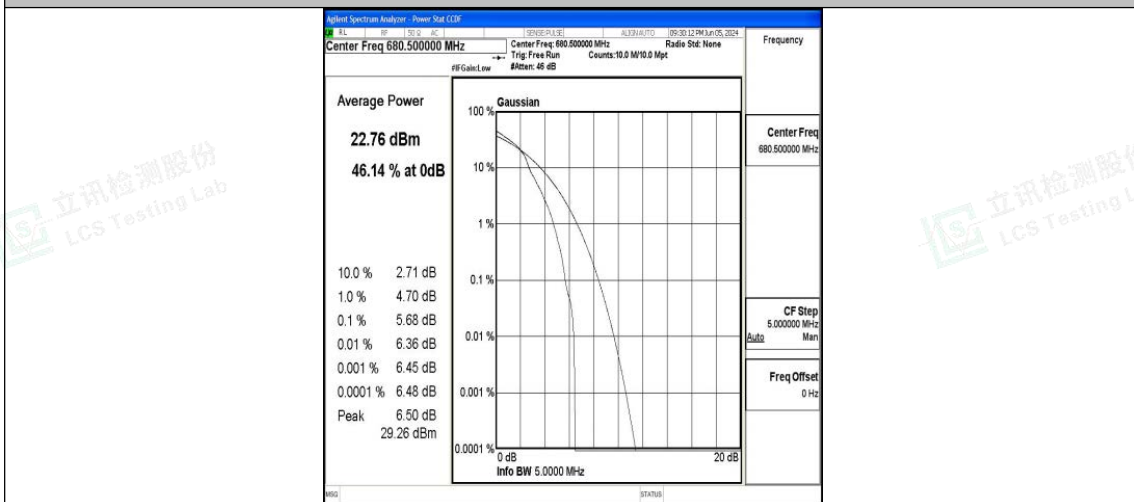




Band71-5MHz-16QAM-133147-25RB#0-PASS

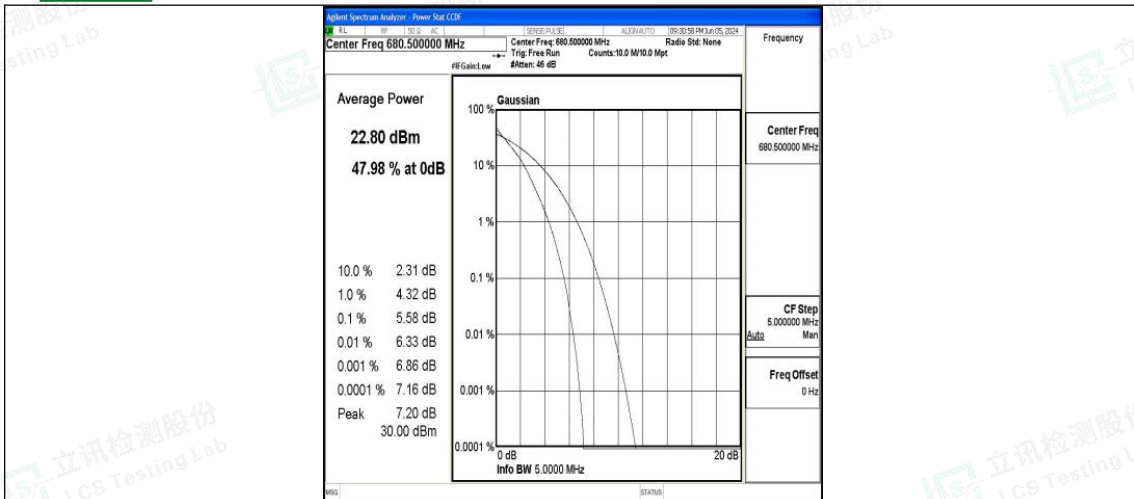


Band71-5MHz-QPSK-133297-1RB#0-PASS

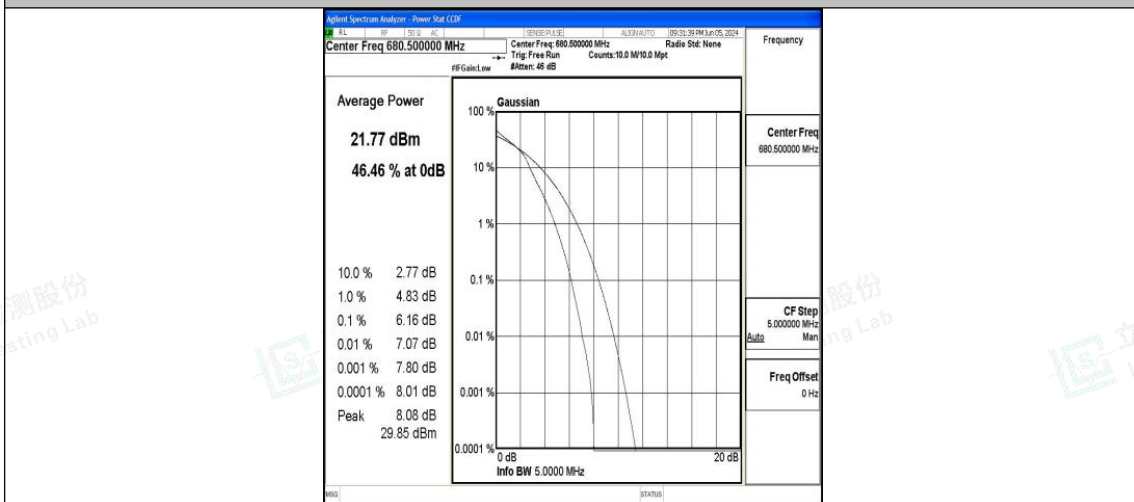


Band71-5MHz-16QAM-133297-1RB#0-PASS

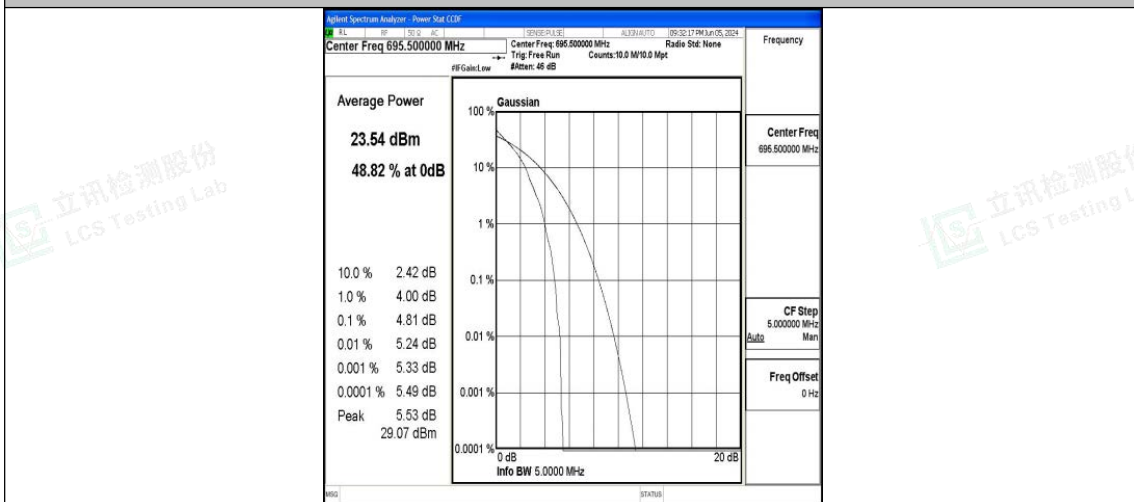




Band71-5MHz-QPSK-133297-25RB#0-PASS

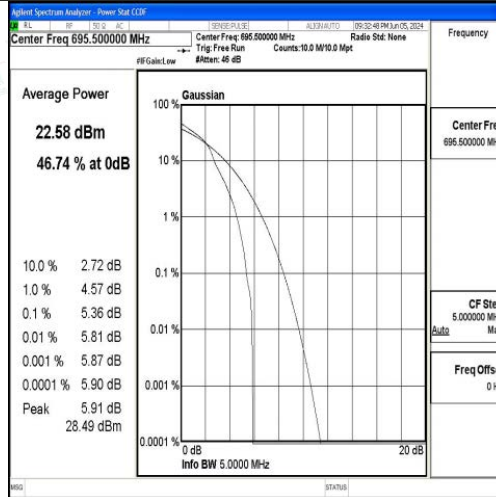


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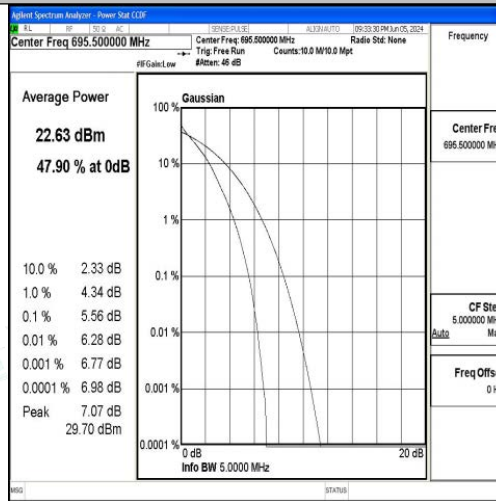


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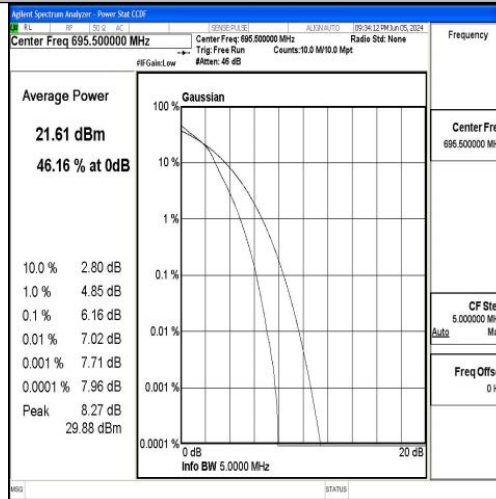




Band71-5MHz-16QAM-133447-1RB#0-PASS

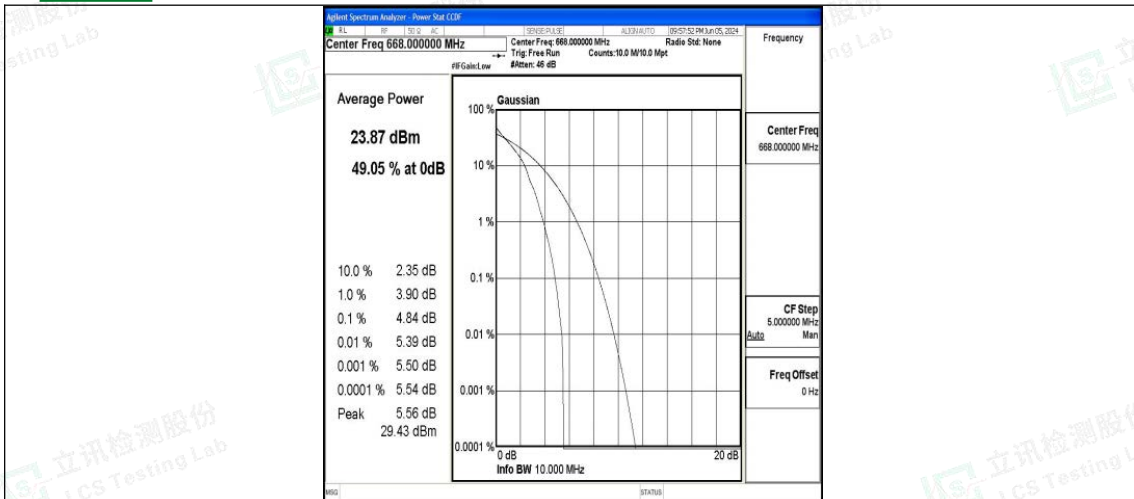


Band71-5MHz-QPSK-133447-25RB#0-PASS

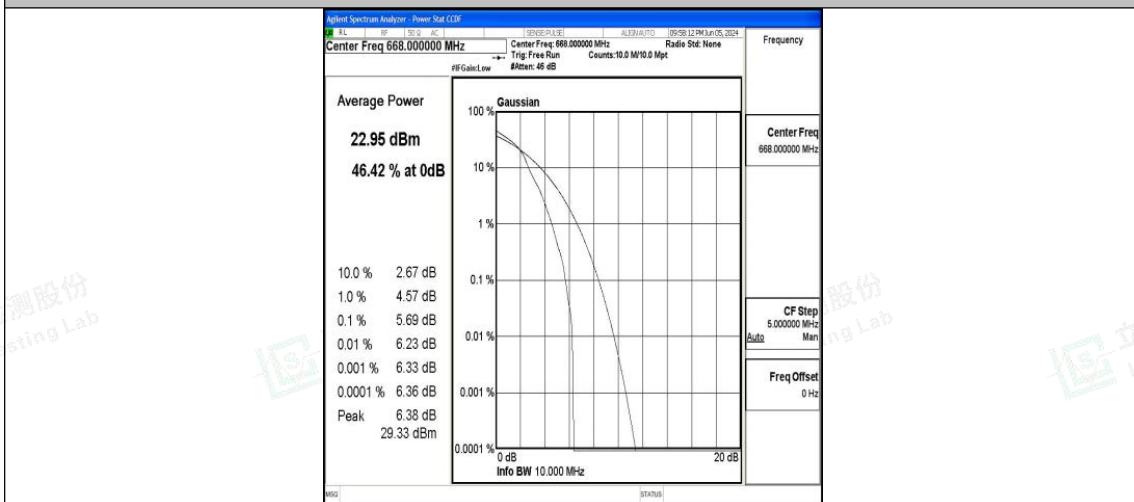


Band71-5MHz-16QAM-133447-25RB#0-PASS

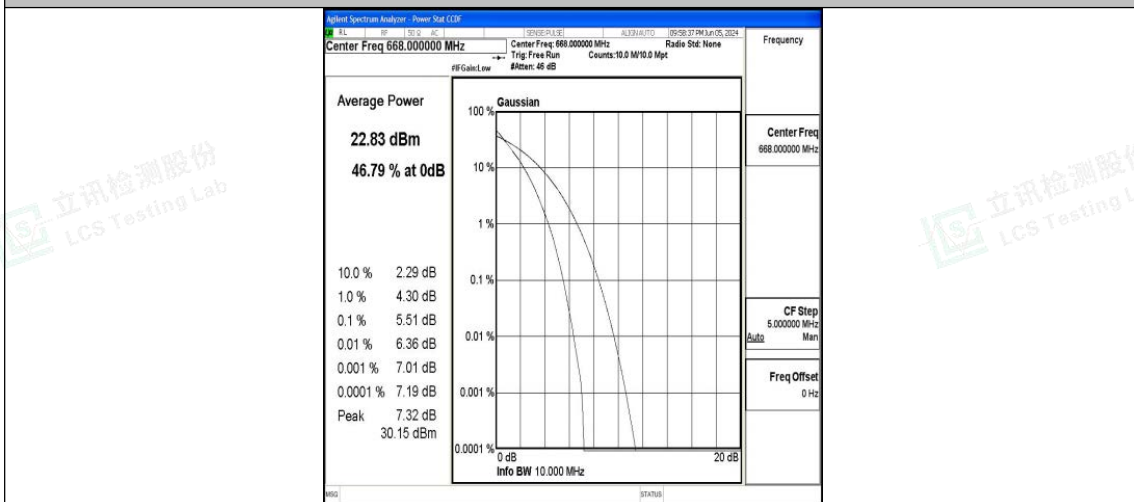




Band71-10MHz-QPSK-133172-1RB#0-PASS

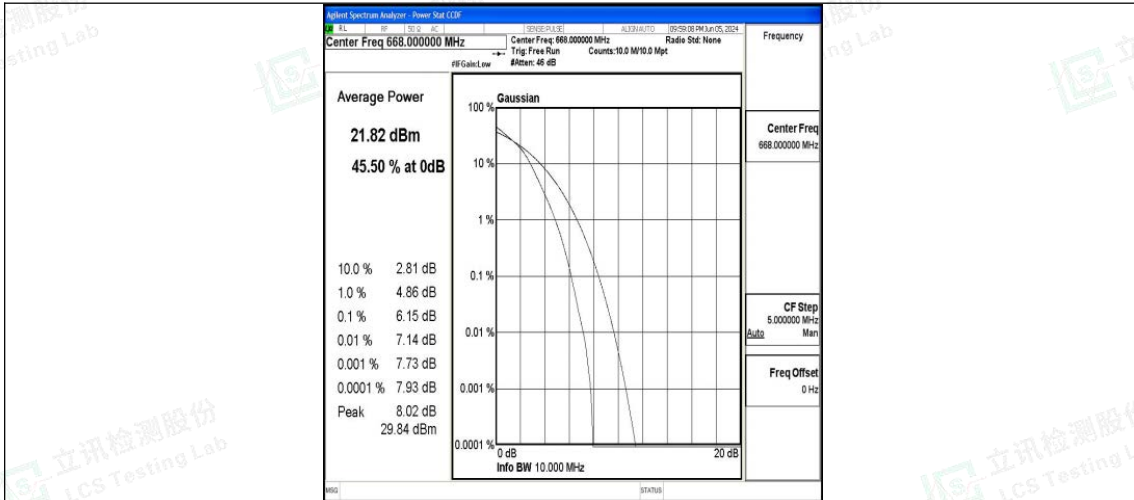


Band71-10MHz-16QAM-133172-1RB#0-PASS

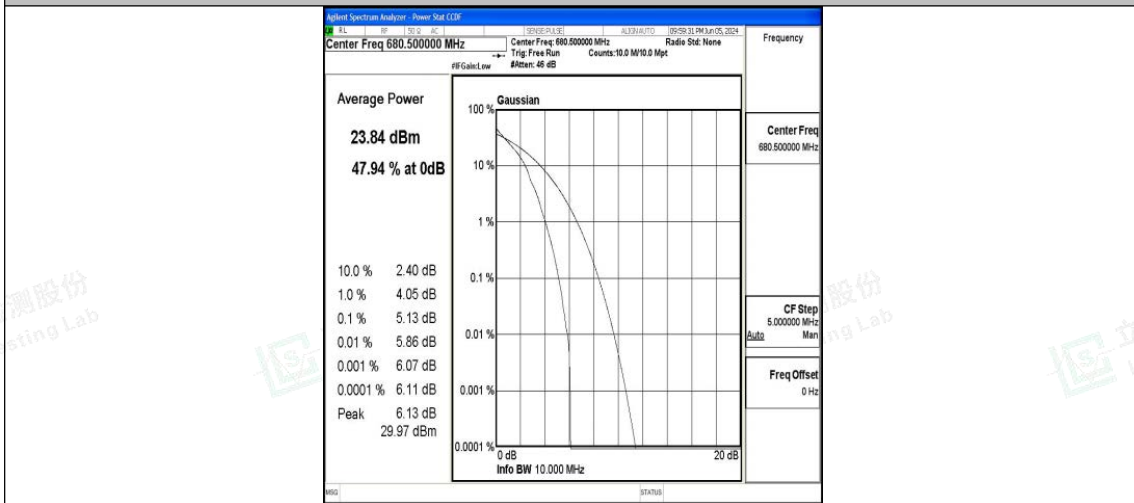


Band71-10MHz-QPSK-133172-50RB#0-PASS

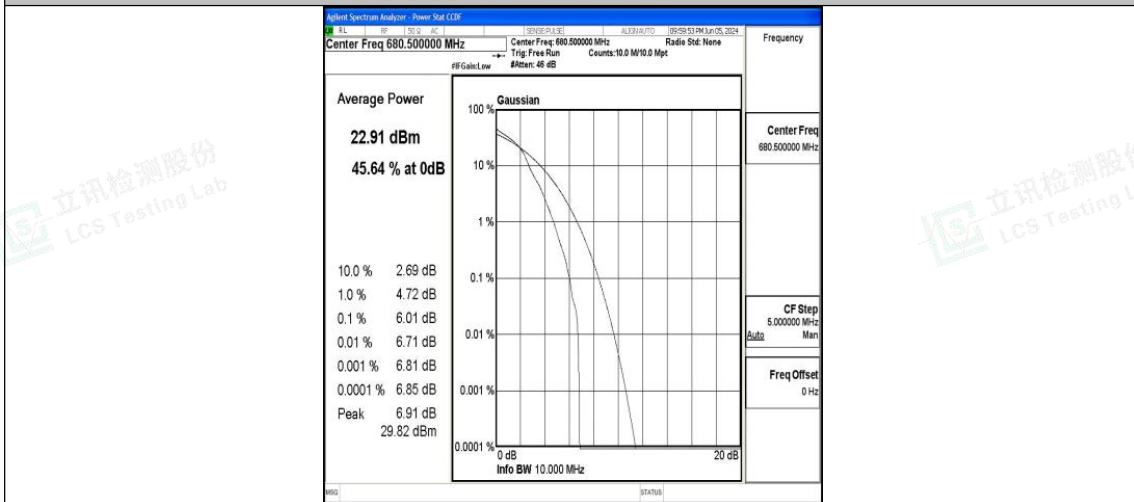




Band71-10MHz-16QAM-133172-50RB#0-PASS

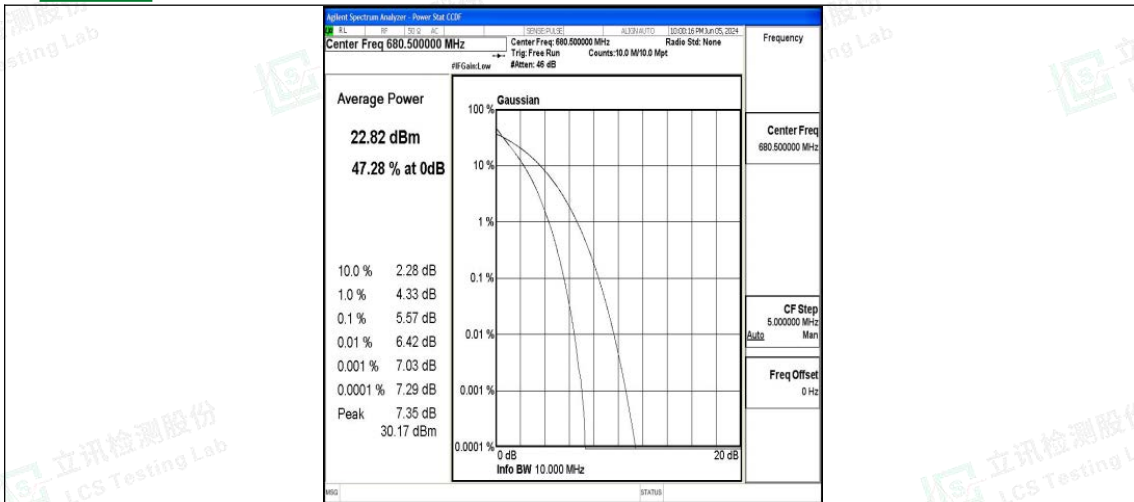


Band71-10MHz-QPSK-133297-1RB#0-PASS

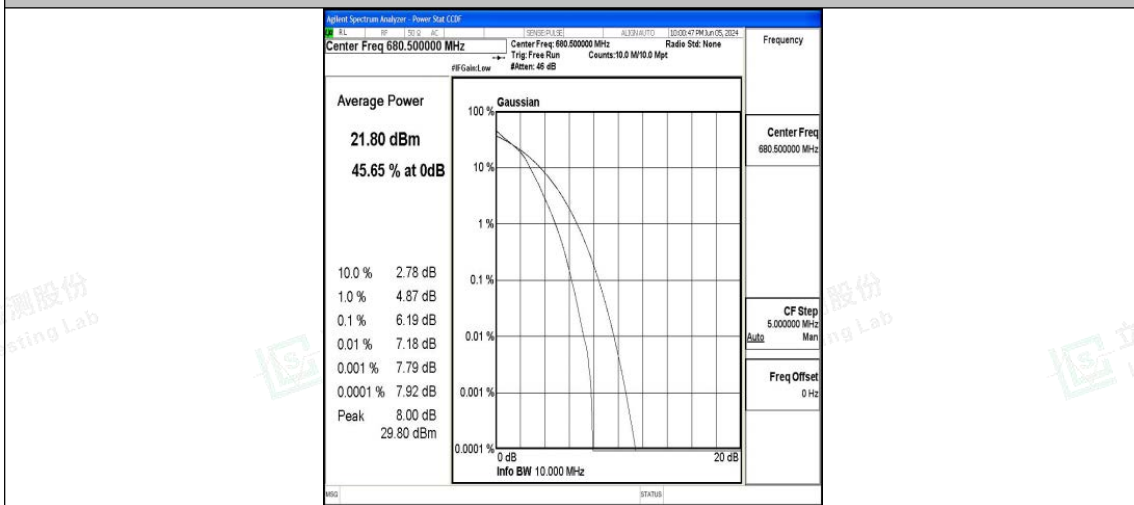


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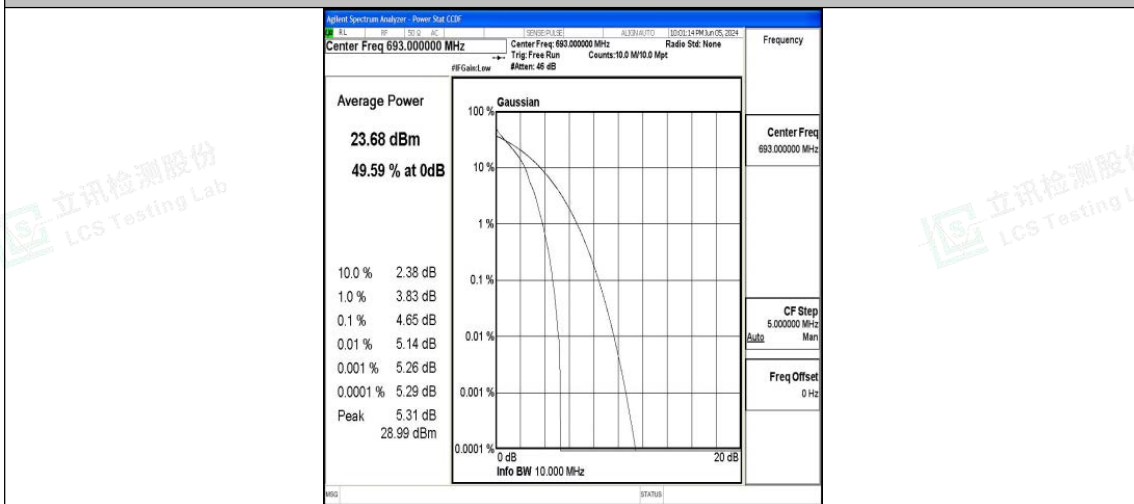




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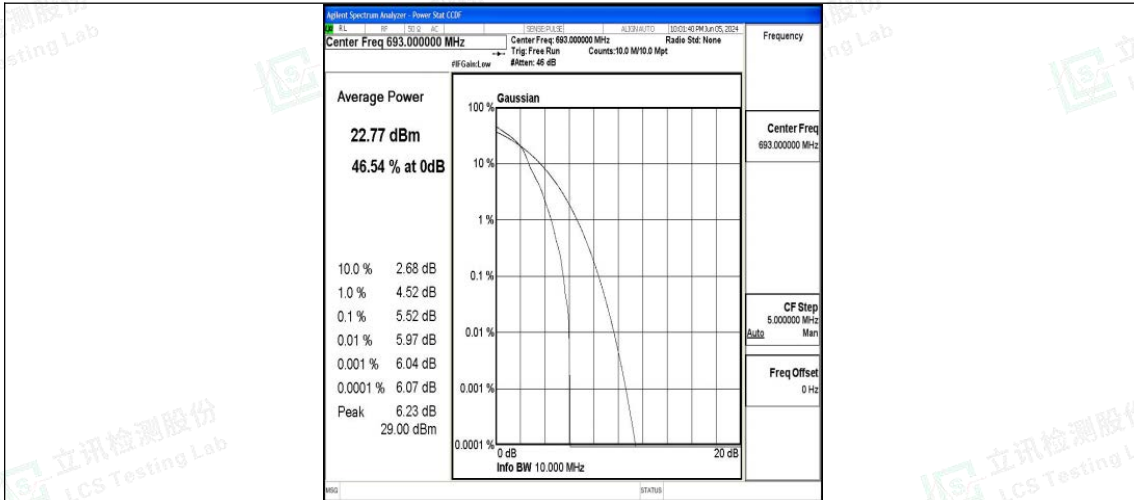


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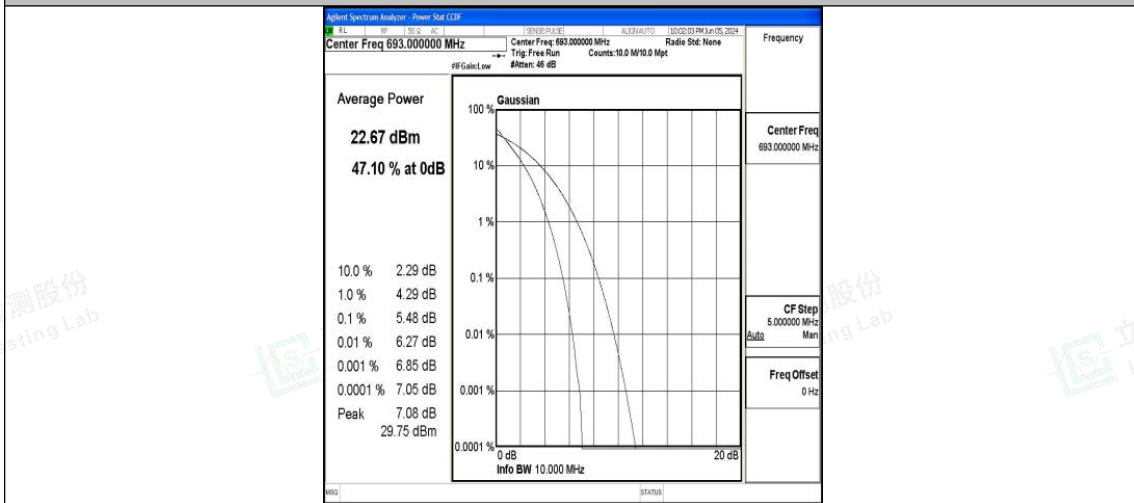


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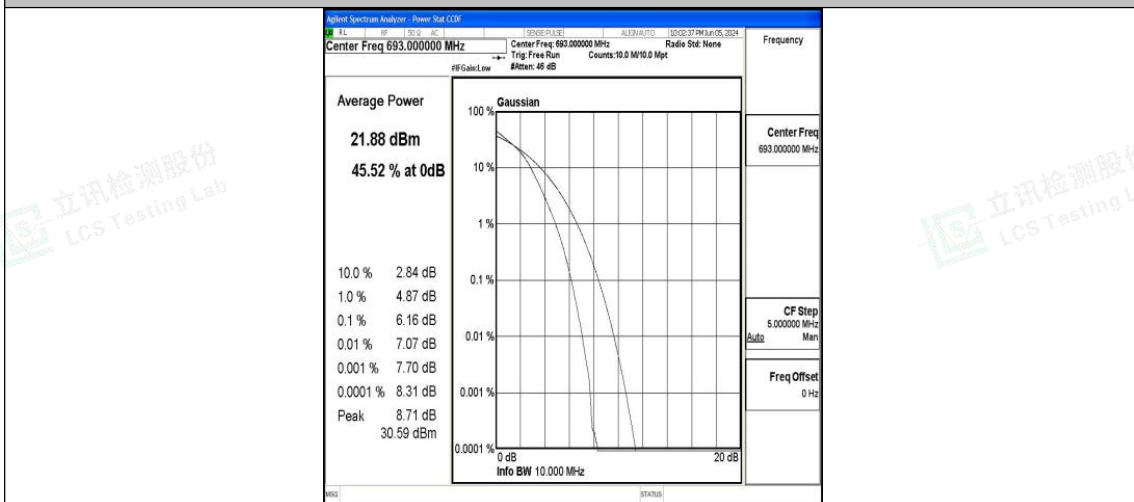




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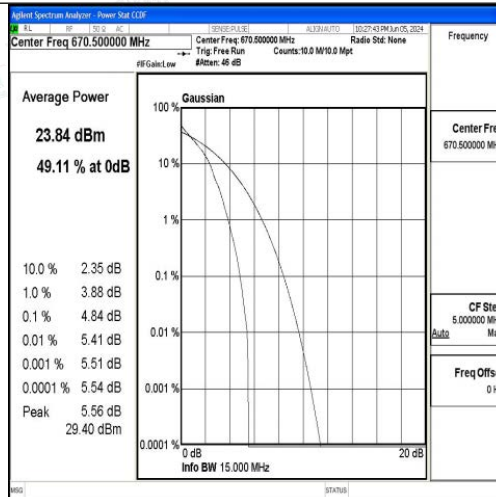


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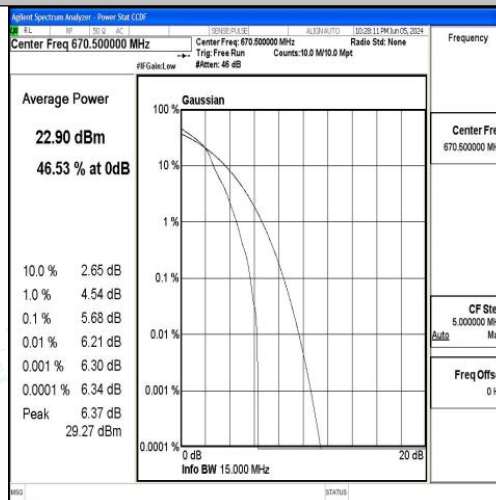


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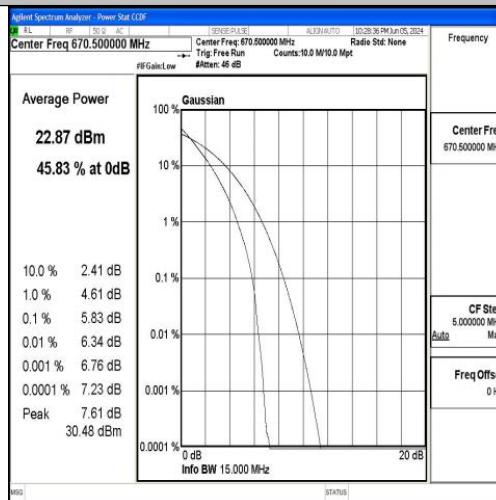




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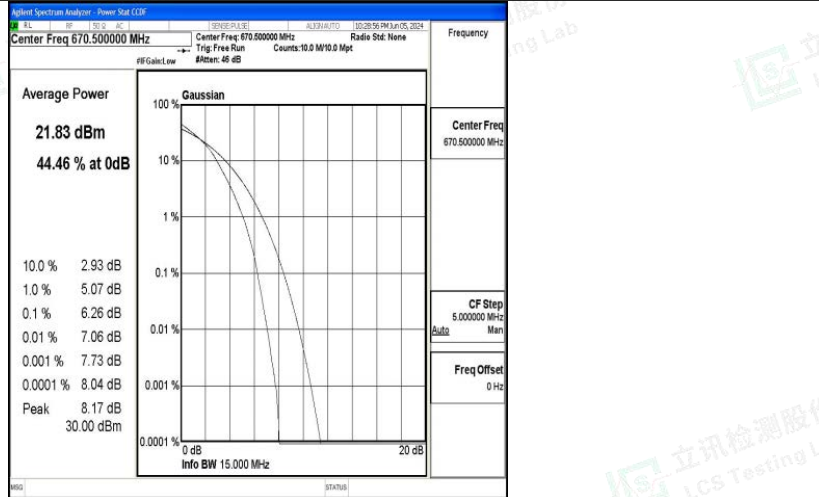


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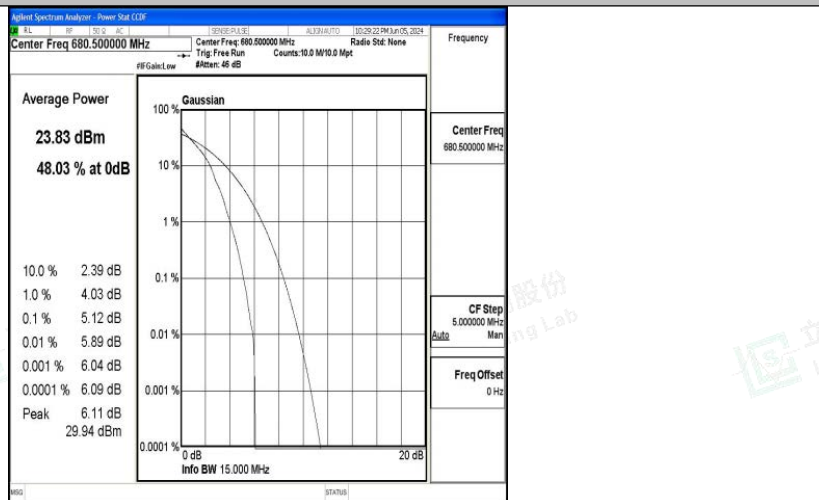


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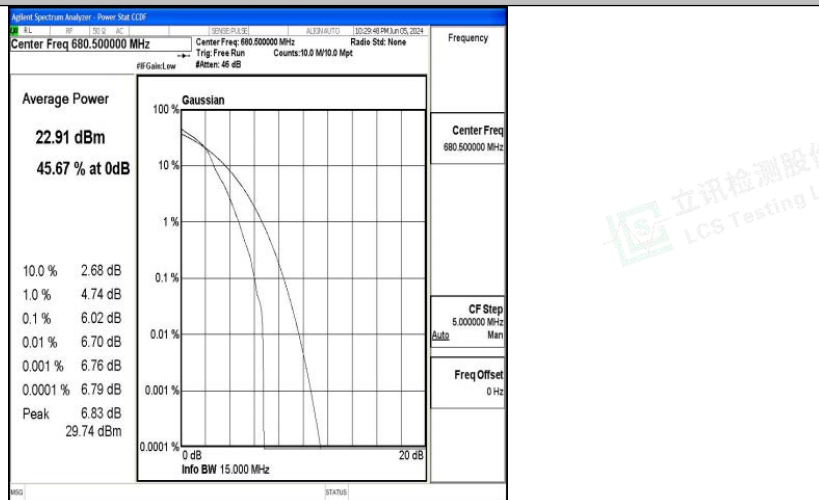




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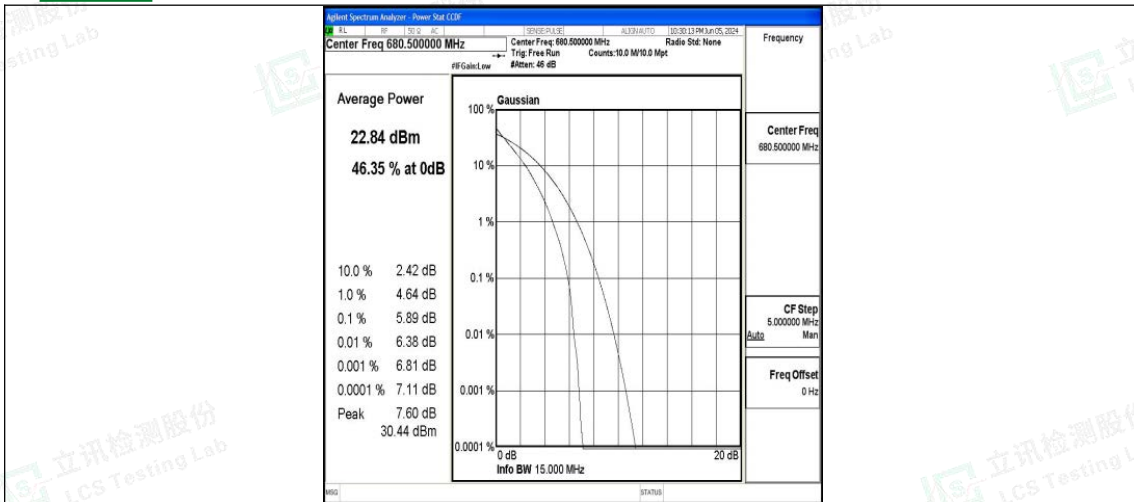


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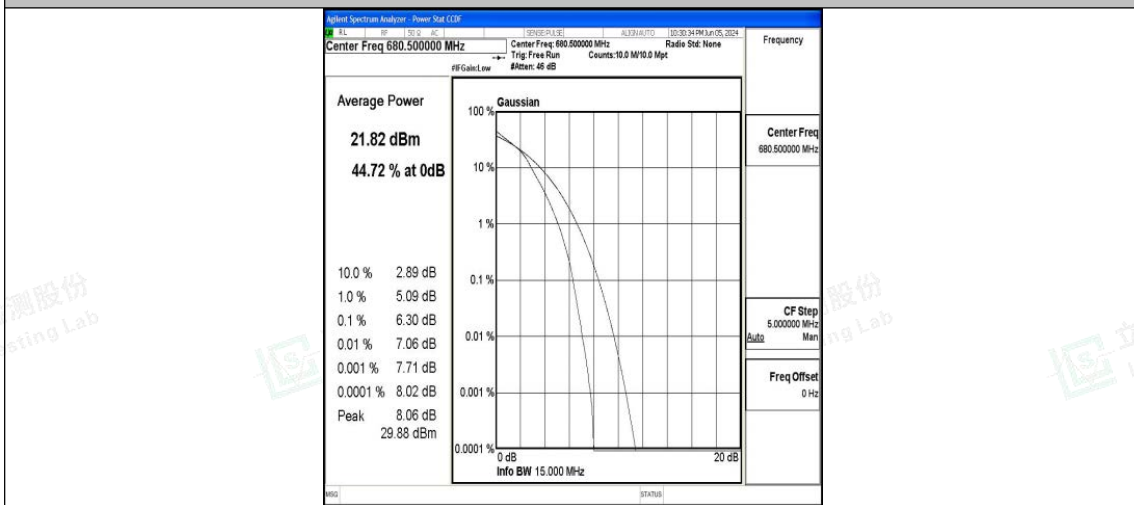


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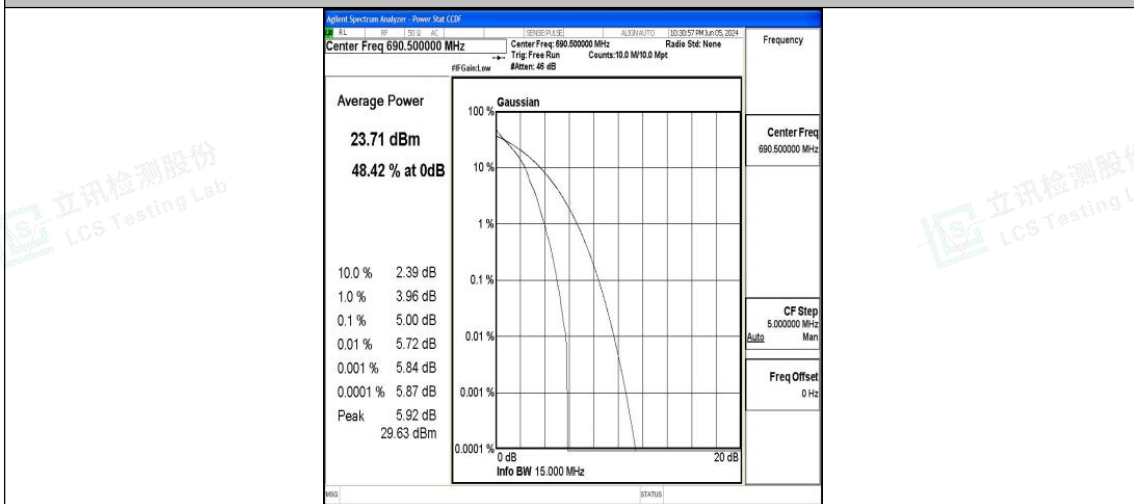




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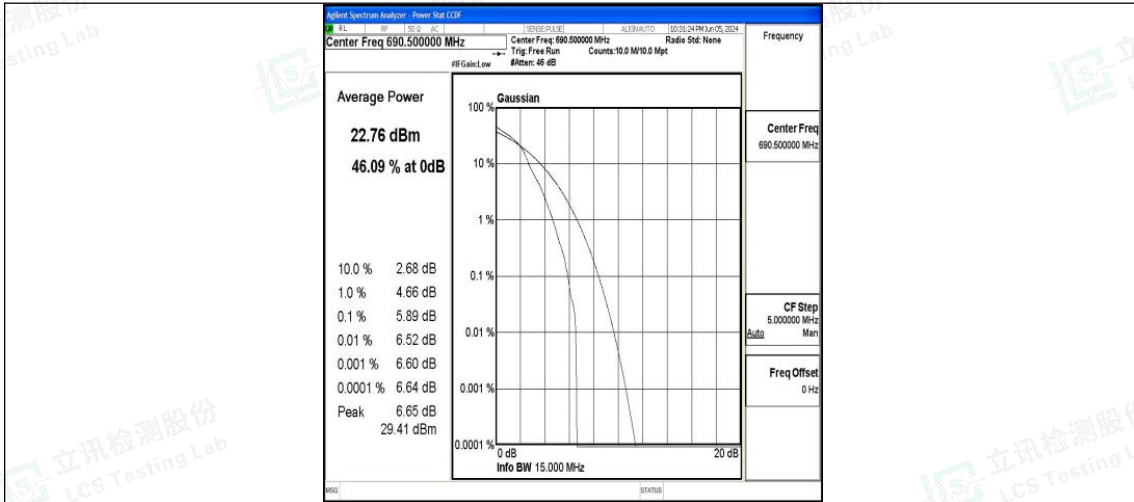


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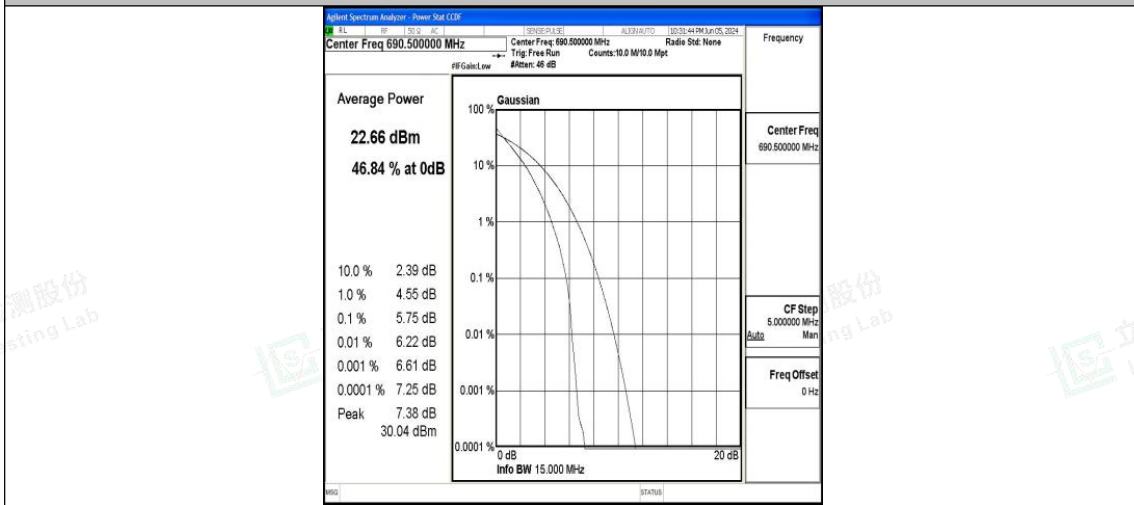


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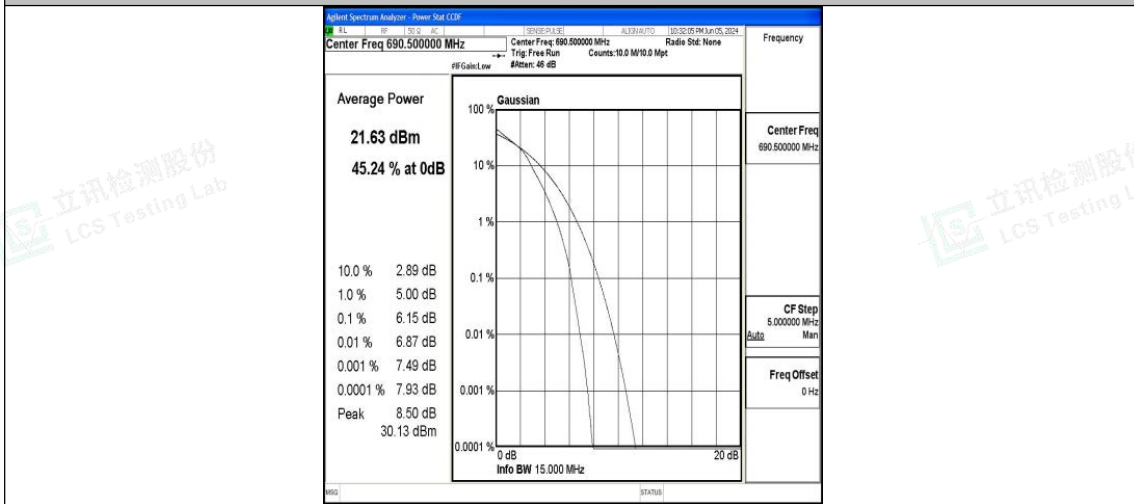




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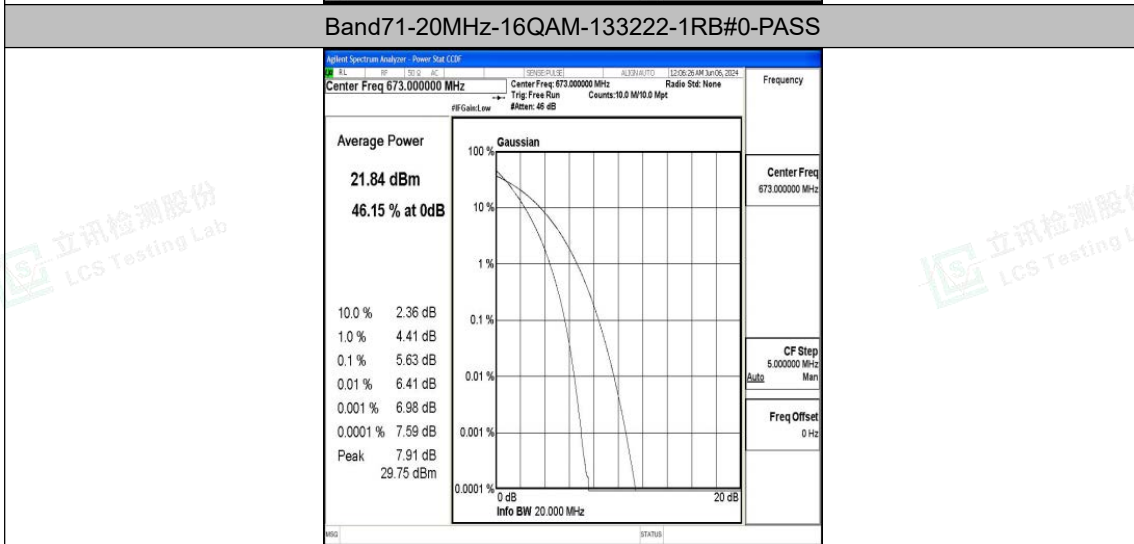
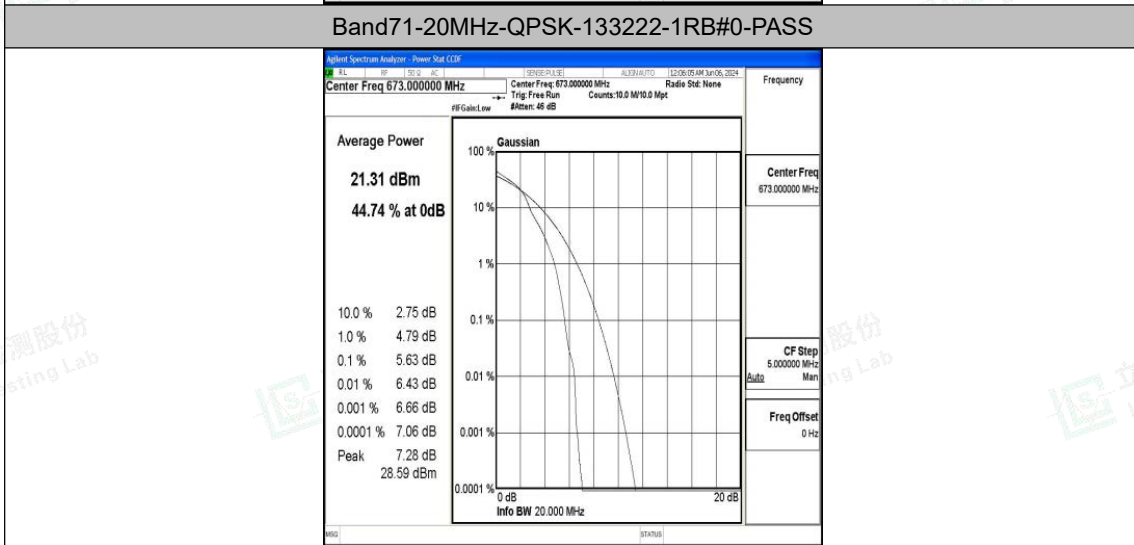
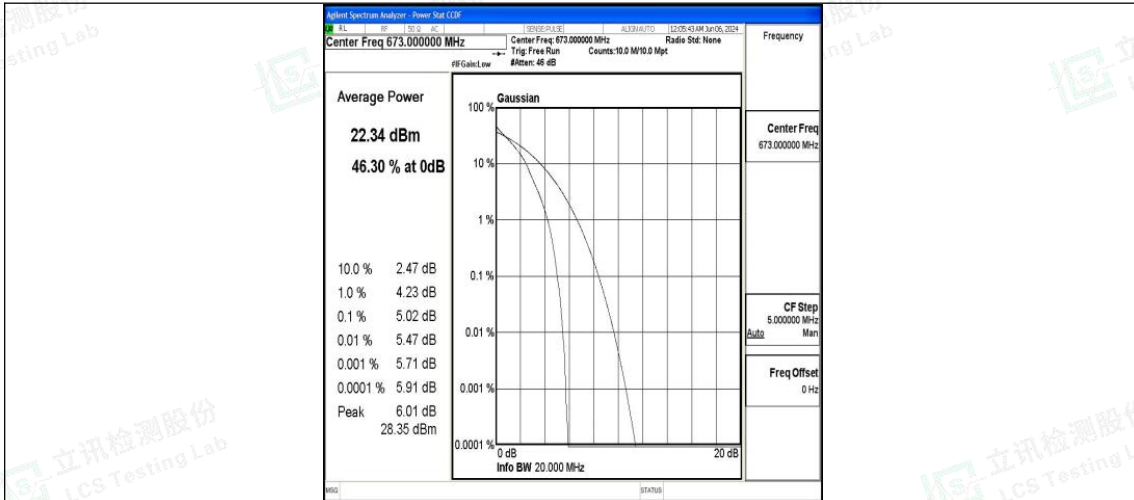


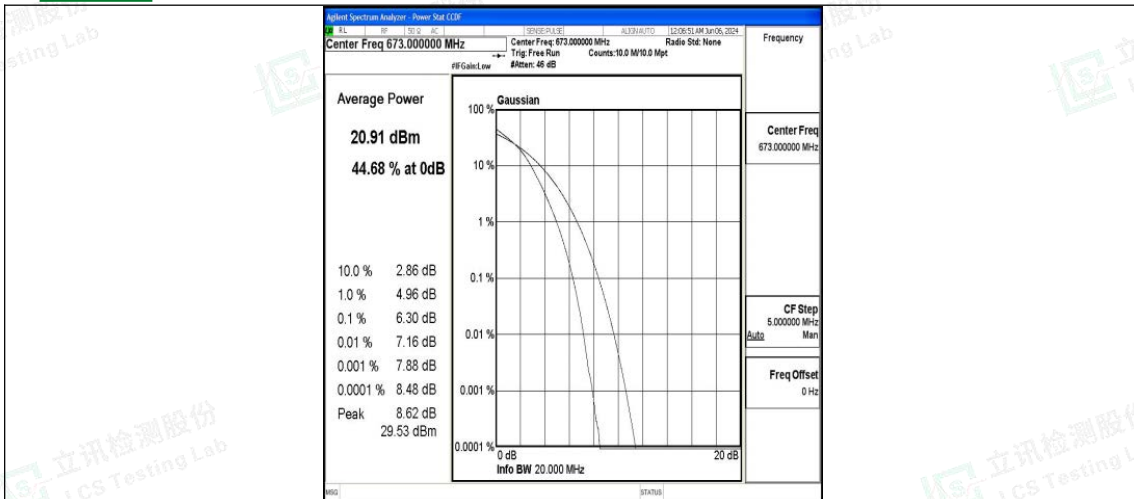
Band71-15MHz-QPSK-133397-75RB#0-PASS



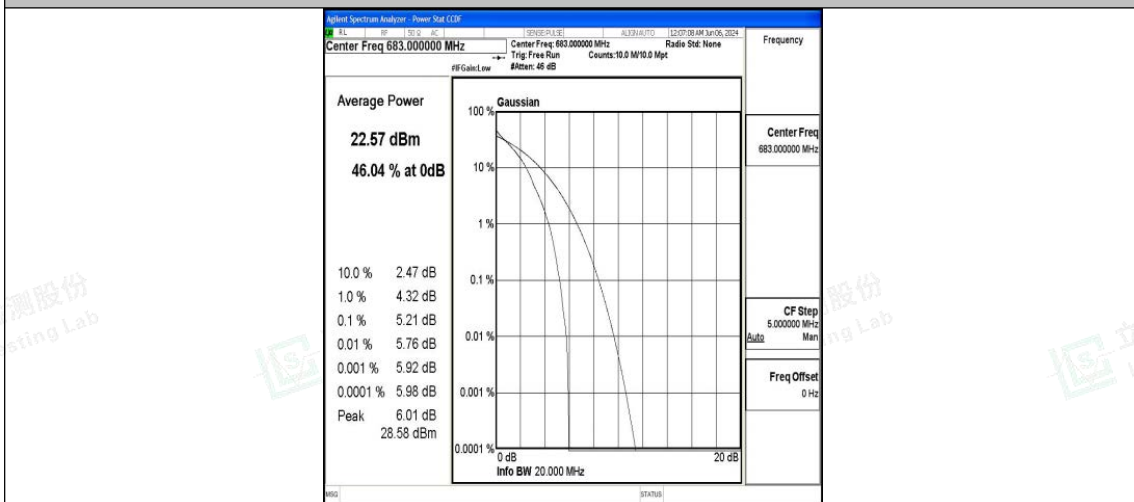
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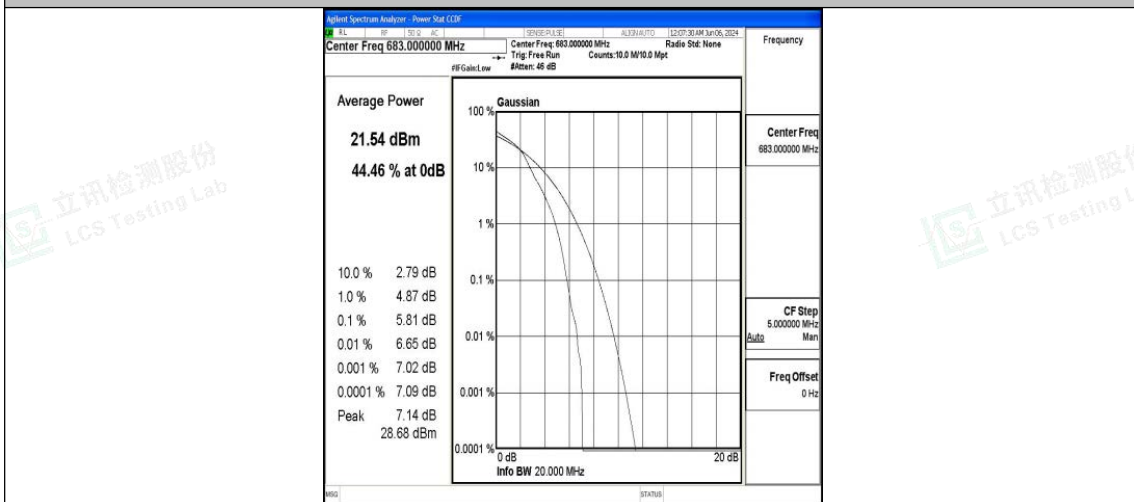




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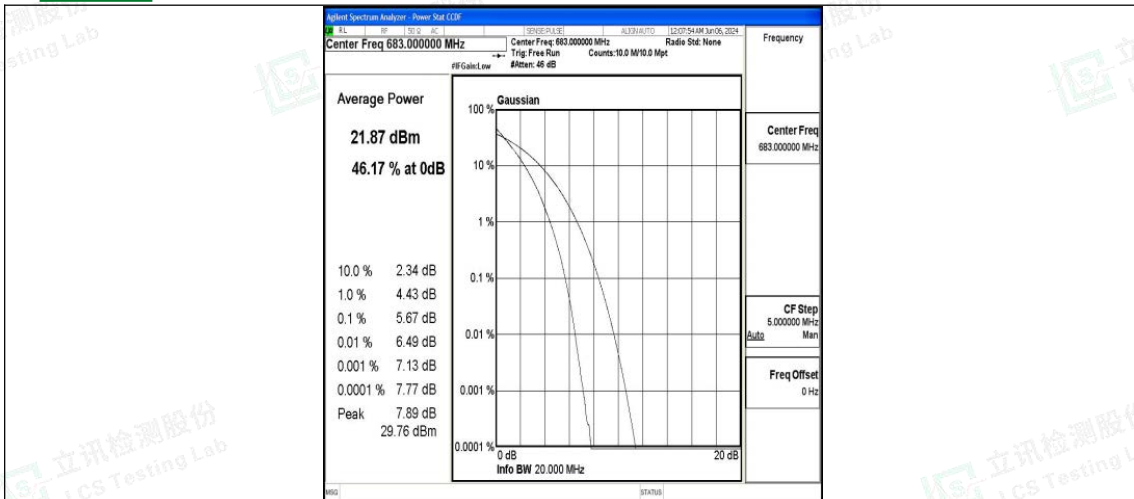


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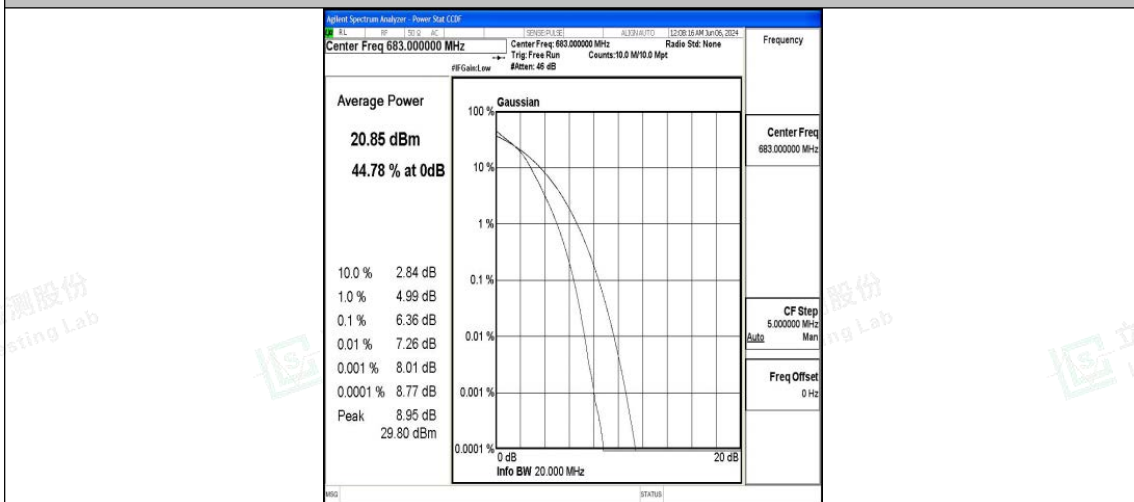


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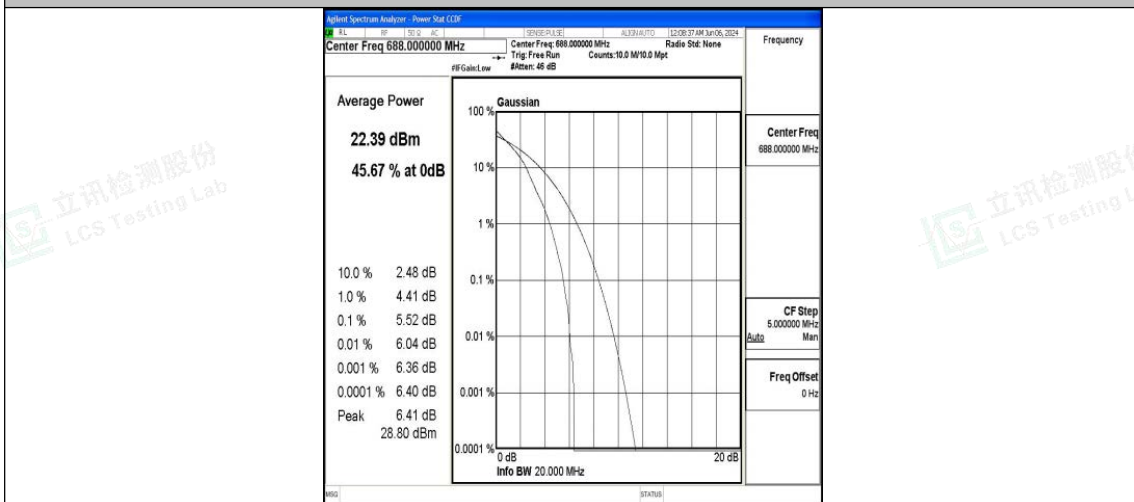




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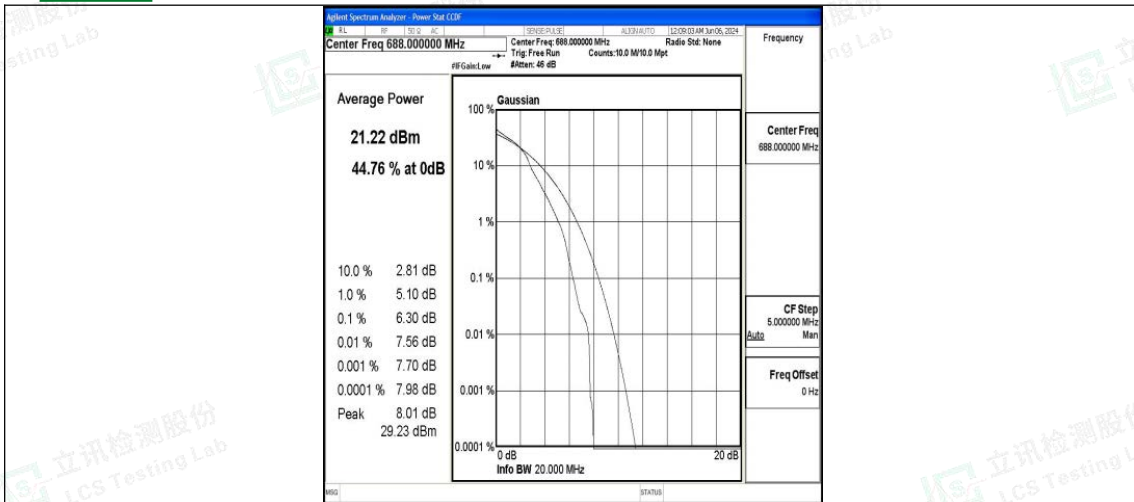


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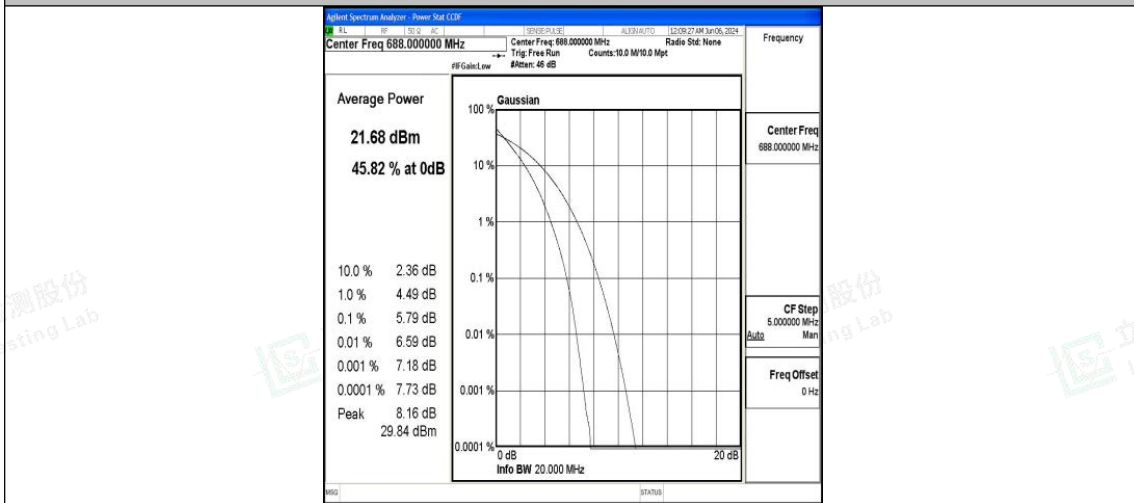


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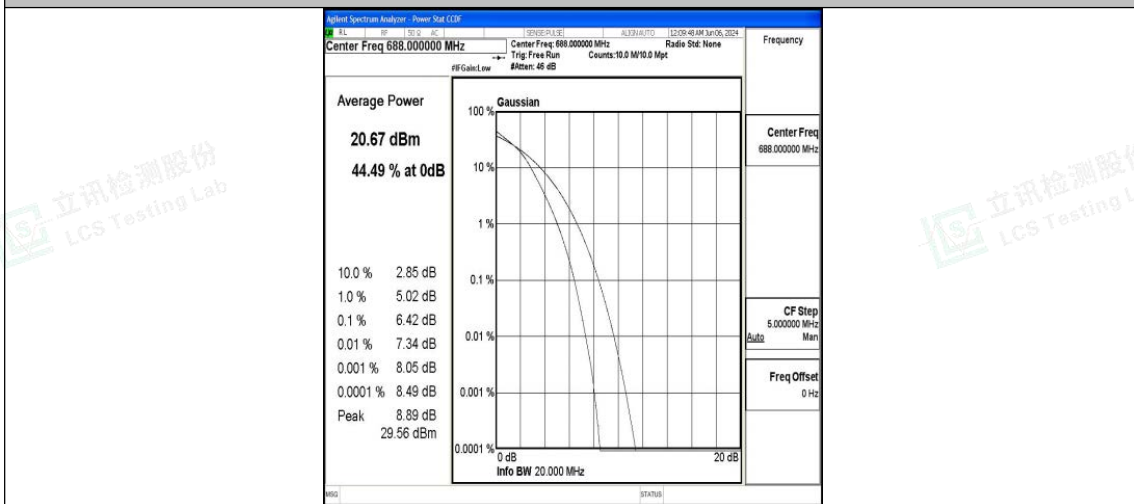




Band71-20MHz-16QAM-133372-1RB#0-PASS



Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133372-100RB#0-PASS





M.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5172	5.176	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5183	5.203	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5368	5.178	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5234	5.162	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5189	5.186	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5185	5.141	PASS
Band71	10MHz	QPSK	133172	50RB#0	9.0042	10.10	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9964	9.980	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0198	10.11	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0255	10.11	PASS
Band71	10MHz	QPSK	133422	50RB#0	9.0199	10.20	PASS
Band71	10MHz	16QAM	133422	50RB#0	9.0216	10.55	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.506	14.96	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.493	15.06	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.565	14.96	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.526	15.14	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.541	15.53	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.522	15.95	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.970	19.86	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.975	19.75	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.943	19.64	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.948	19.73	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.974	19.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.950	19.55	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

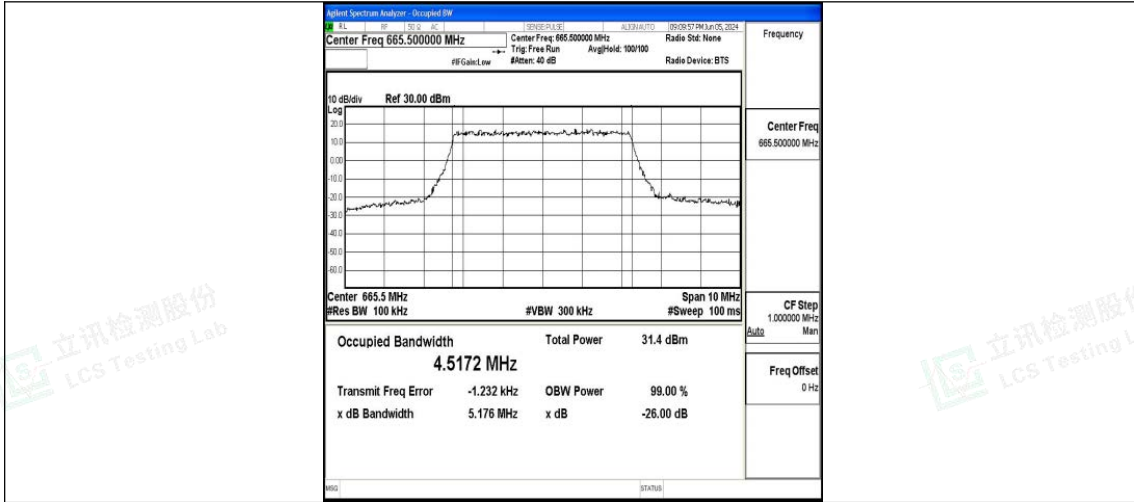
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

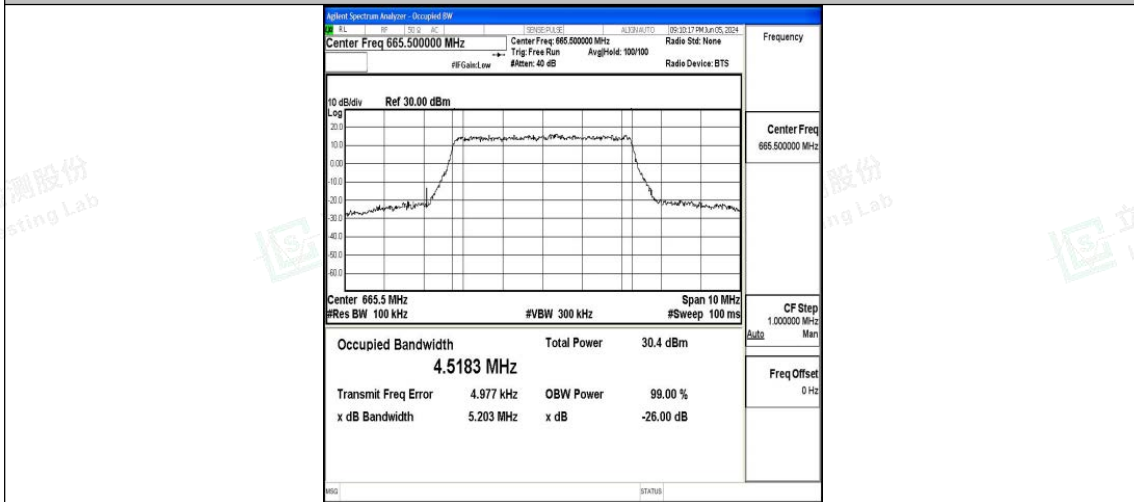
Scan code to check authenticity



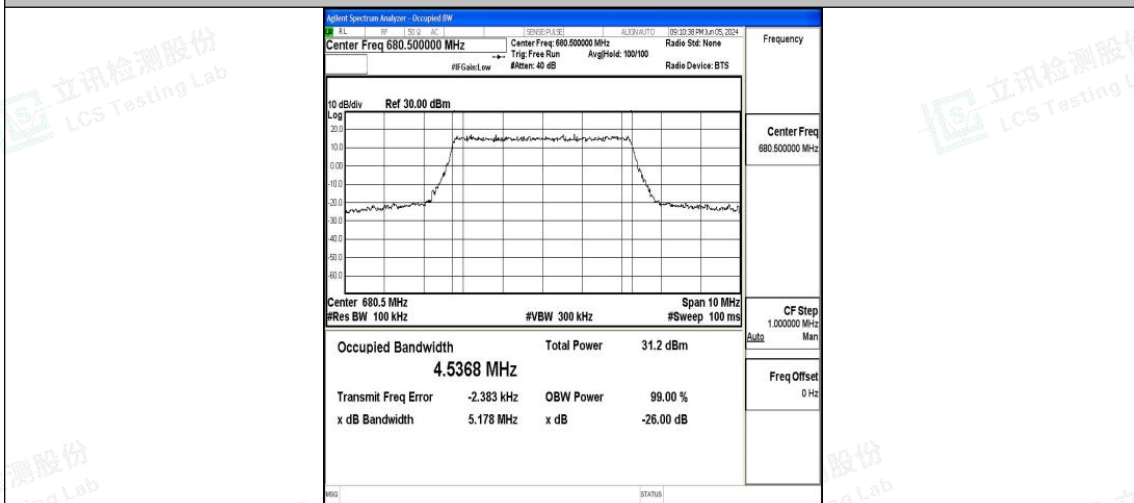
Test Graphs



Band71-5MHz-QPSK-133147-25RB#0-PASS

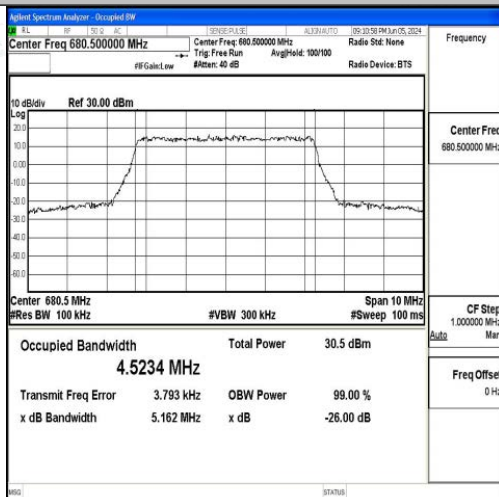


Band71-5MHz-16QAM-133147-25RB#0-PASS

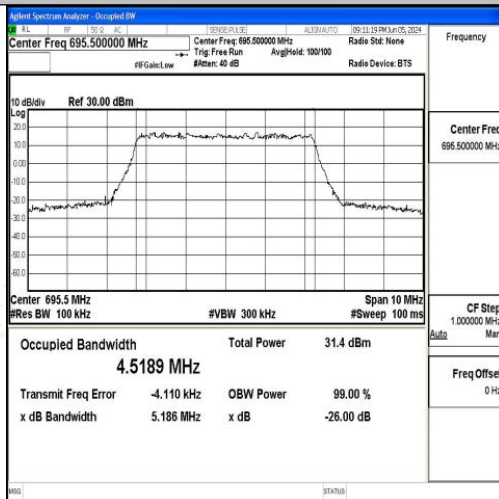




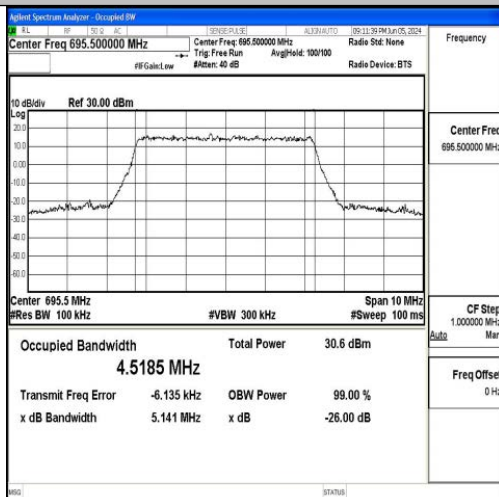
Band71-5MHz-QPSK-133297-25RB#0-PASS



Band71-5MHz-16QAM-133297-25RB#0-PASS

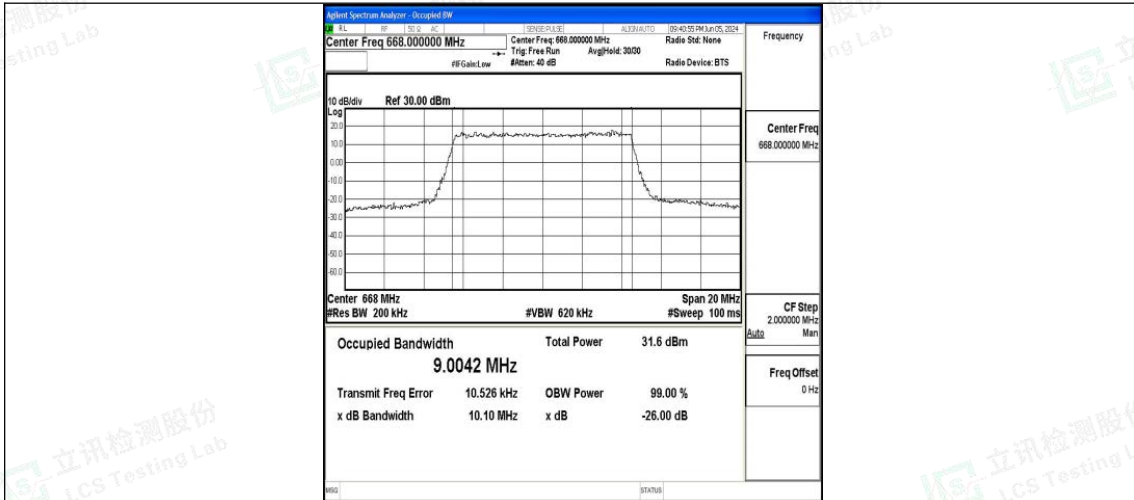


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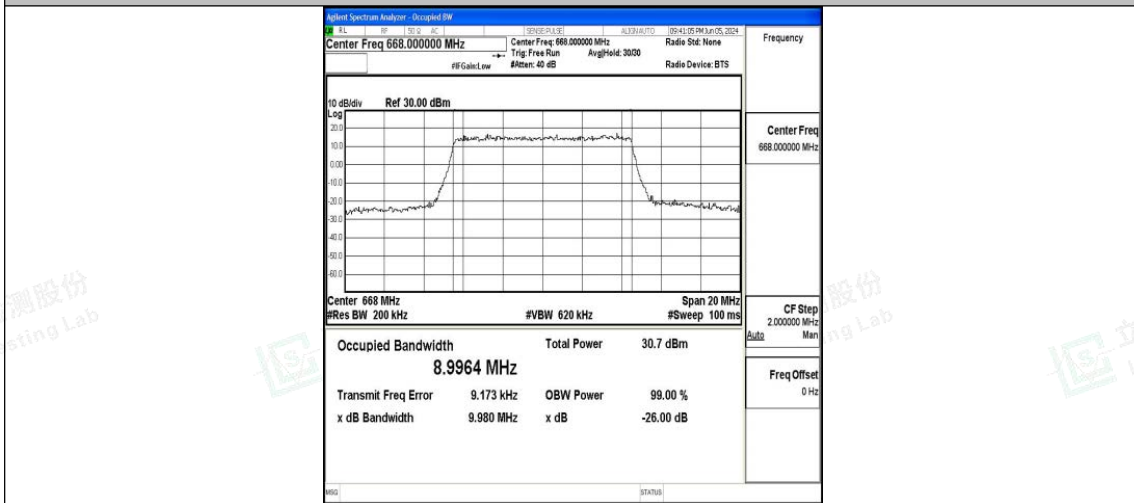


Band71-5MHz-16QAM-133447-25RB#0-PASS

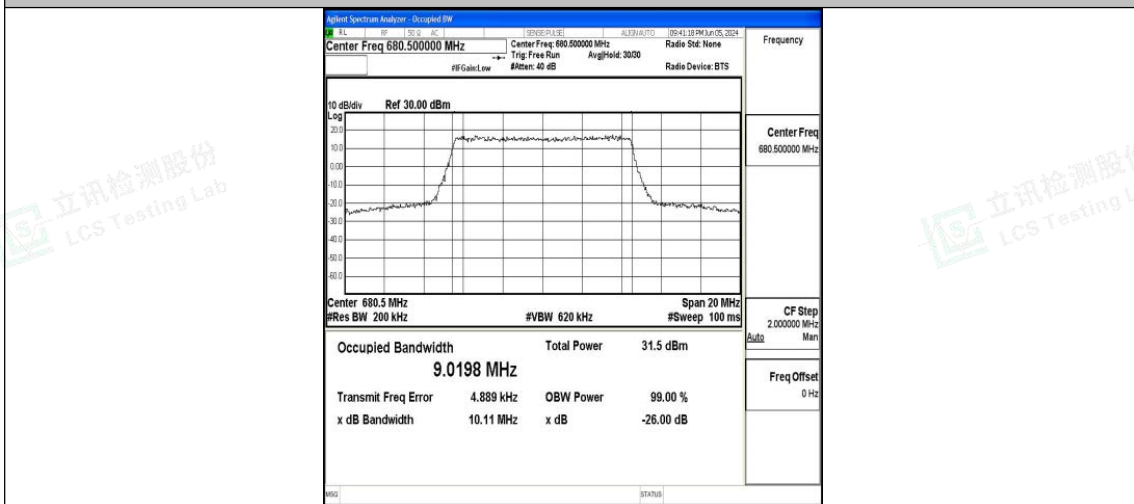




Band71-10MHz-QPSK-133172-50RB#0-PASS

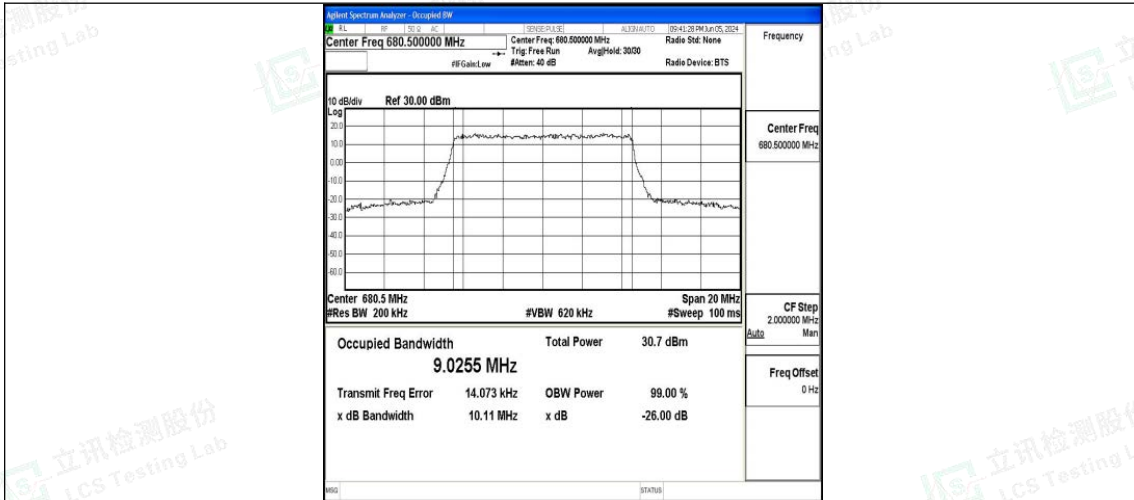


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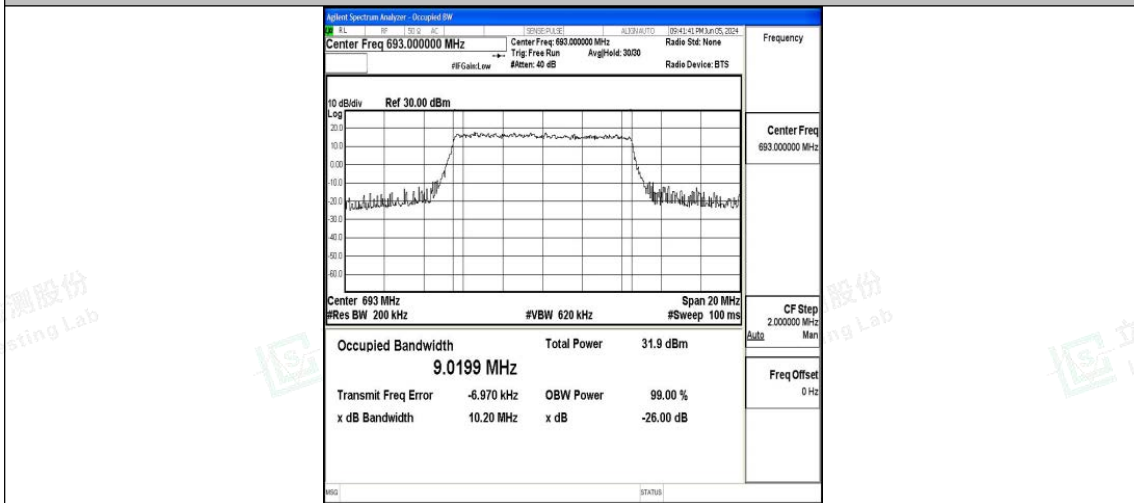


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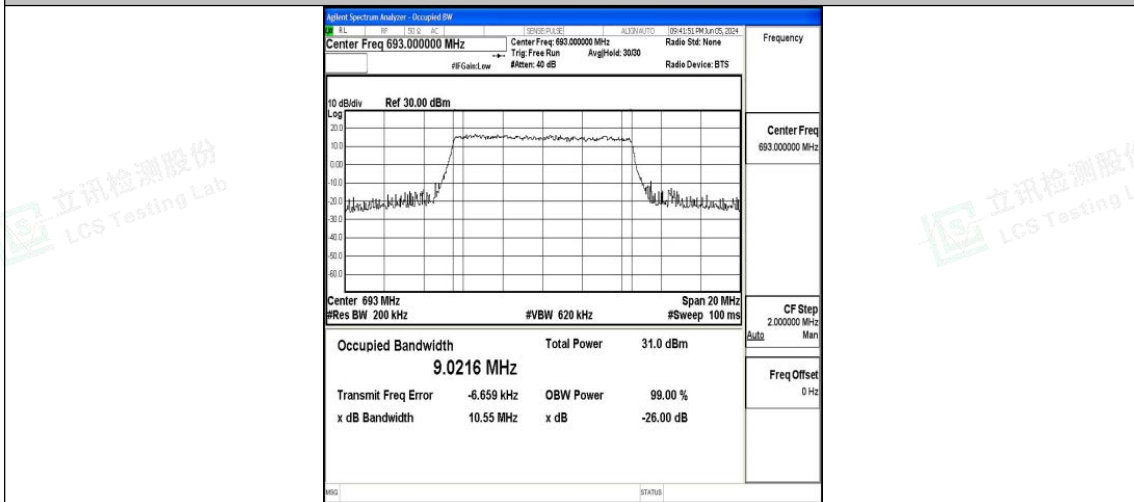




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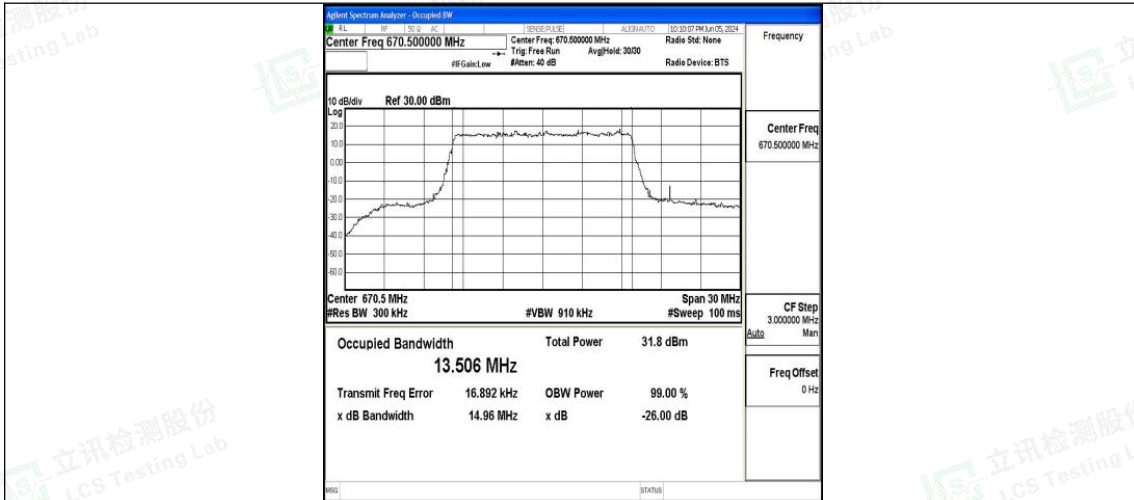


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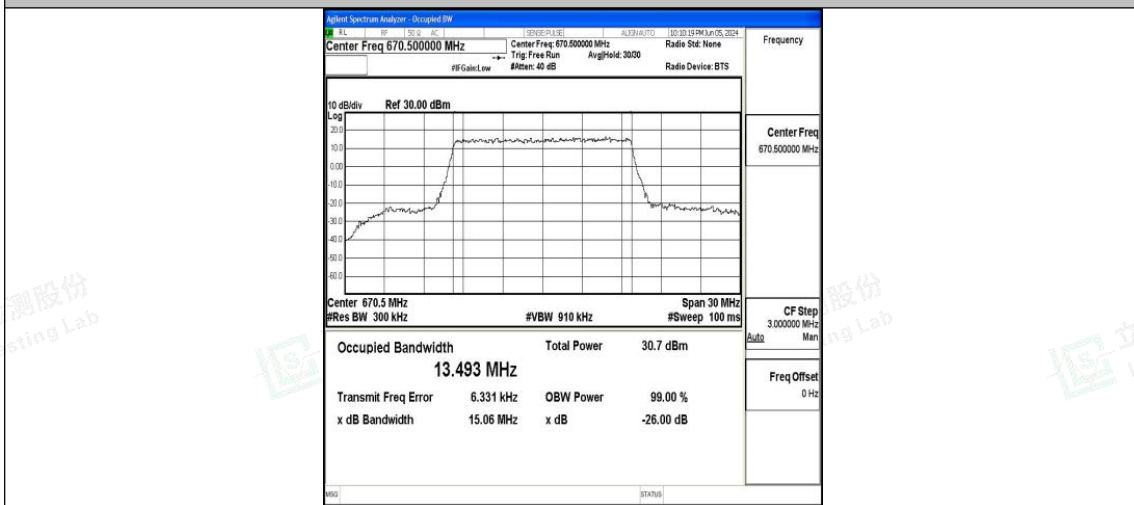


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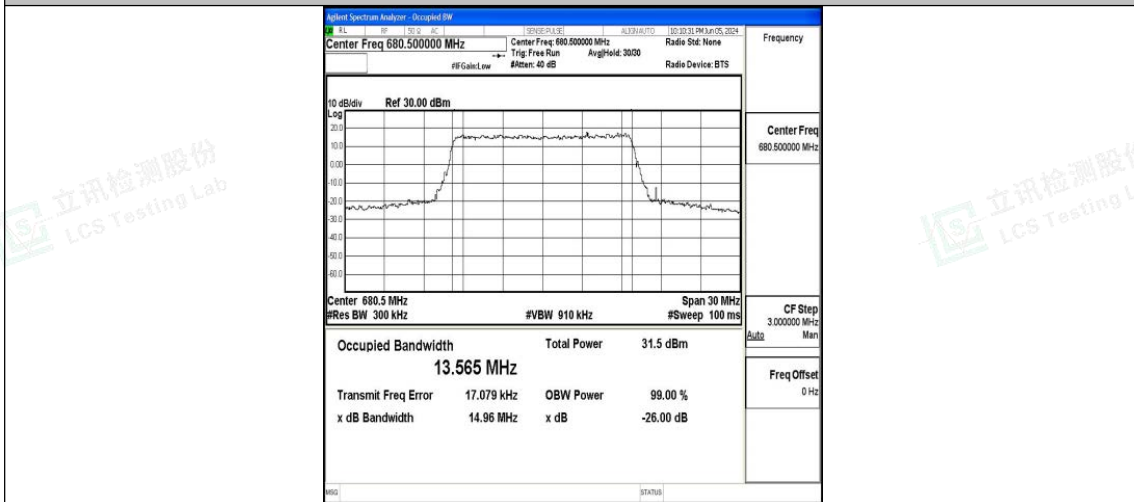




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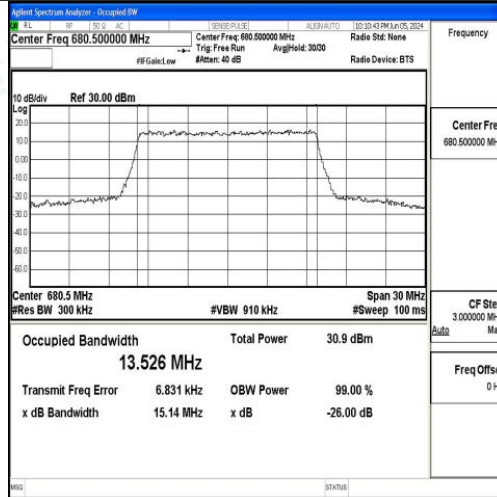


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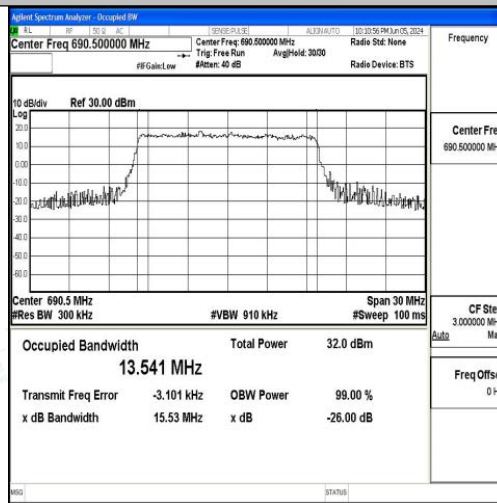


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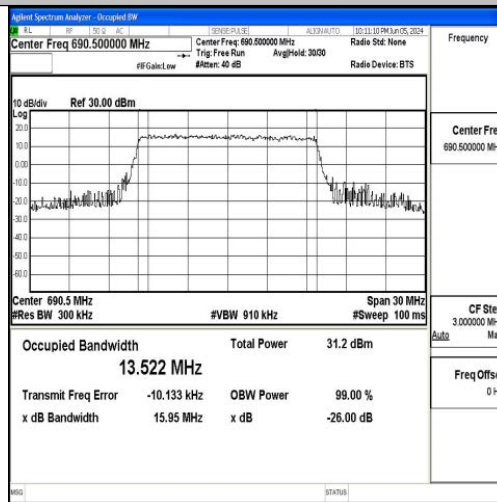




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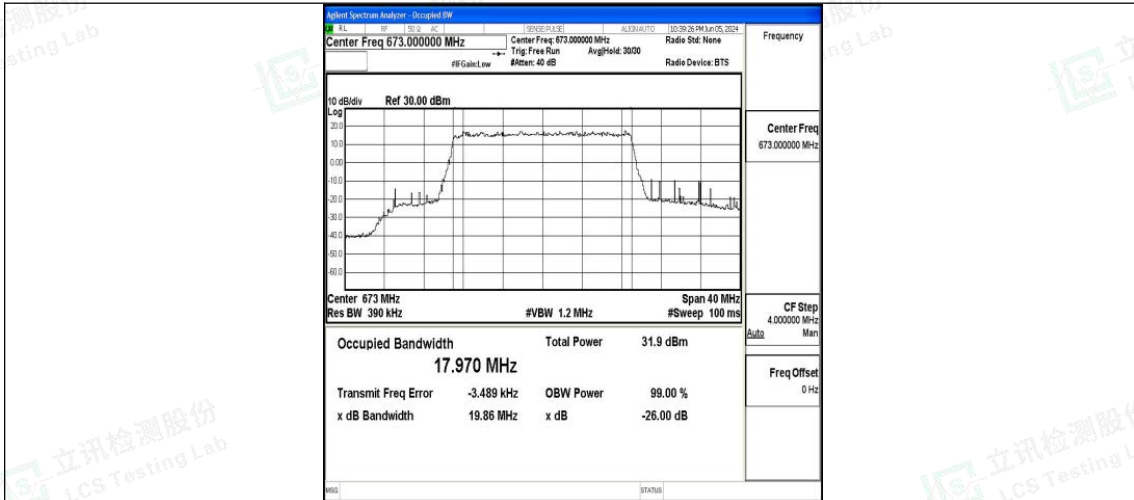


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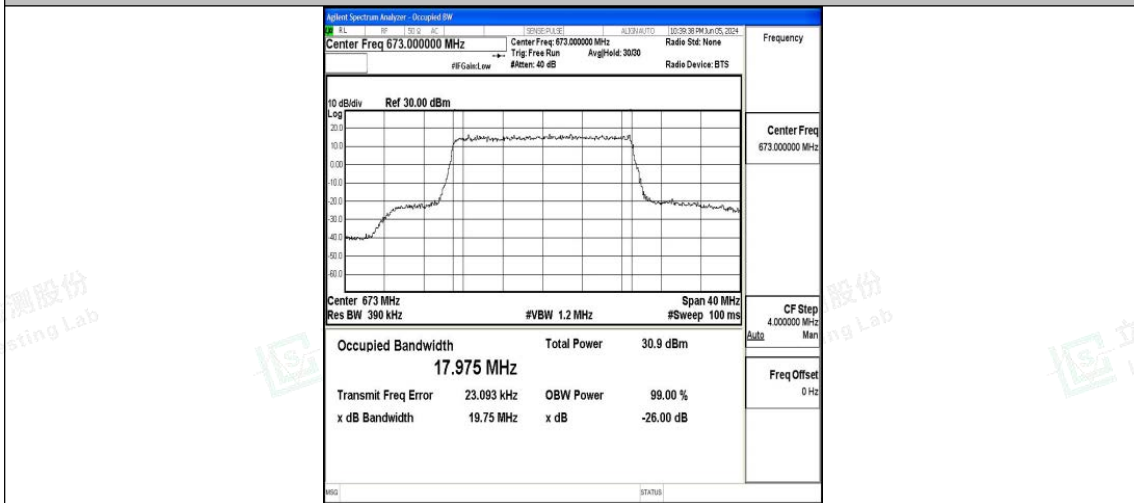


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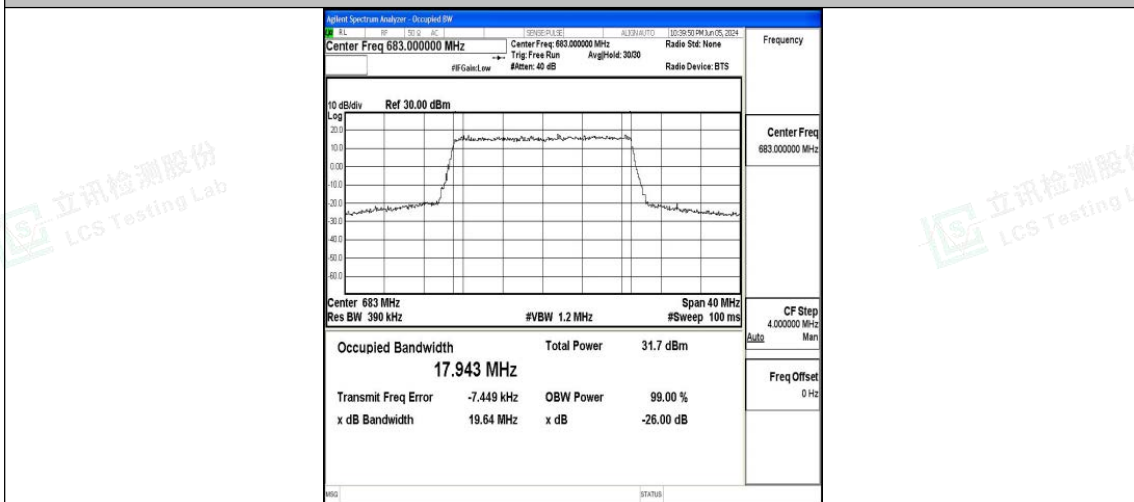




Band71-20MHz-QPSK-133222-100RB#0-PASS

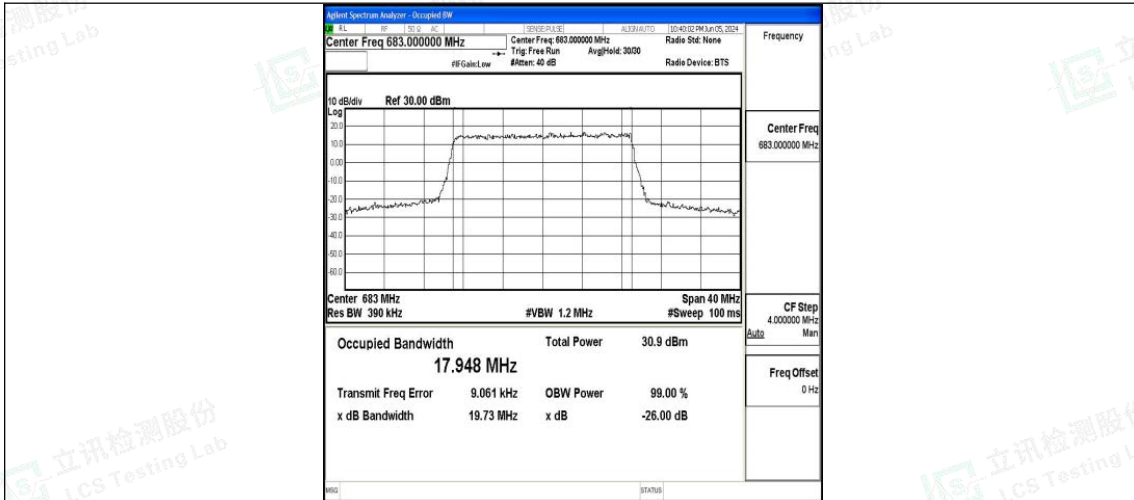


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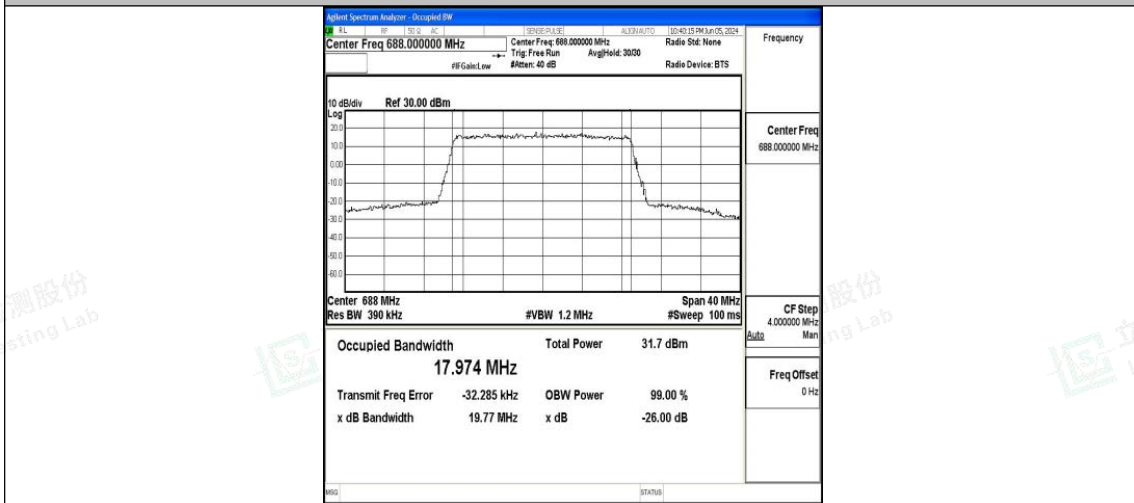


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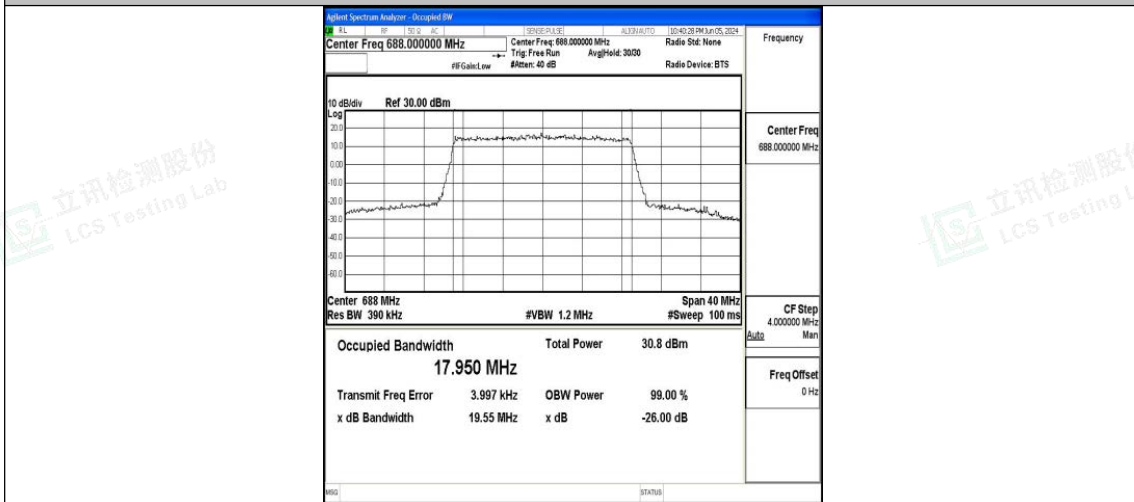




Band71-20MHz-16QAM-133322-100RB#0-PASS



Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133372-100RB#0-PASS



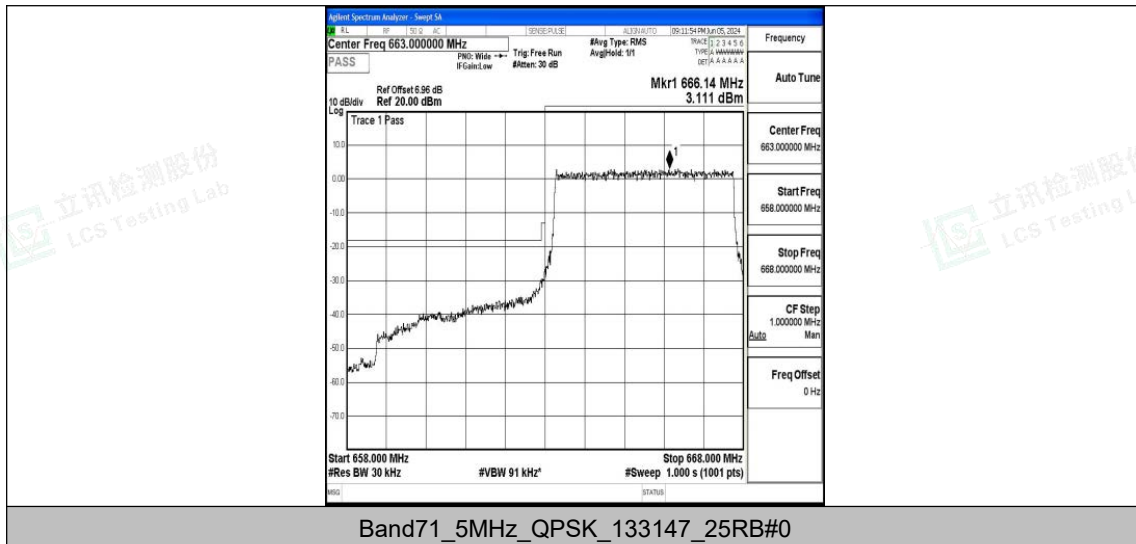


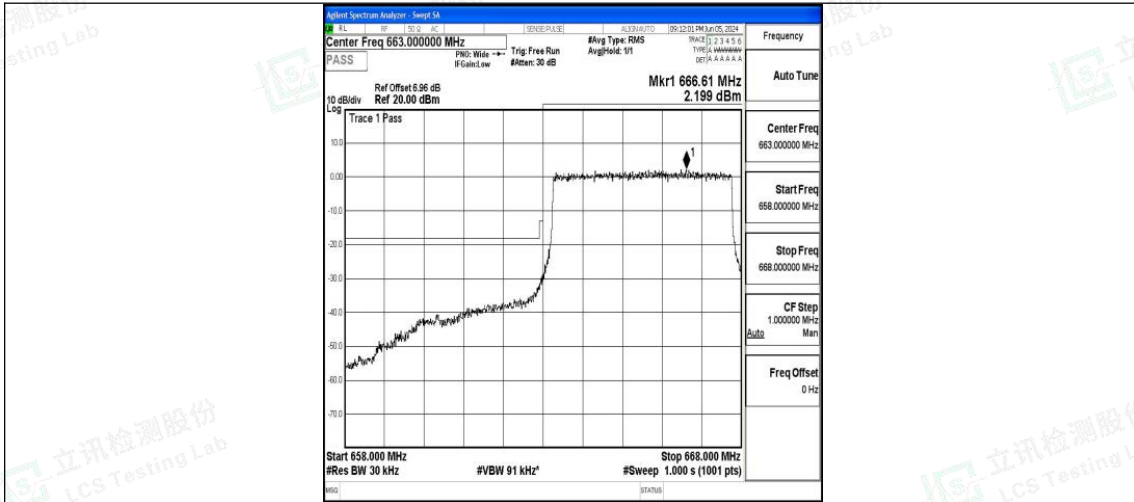
M.4 Band Edge

Test Result

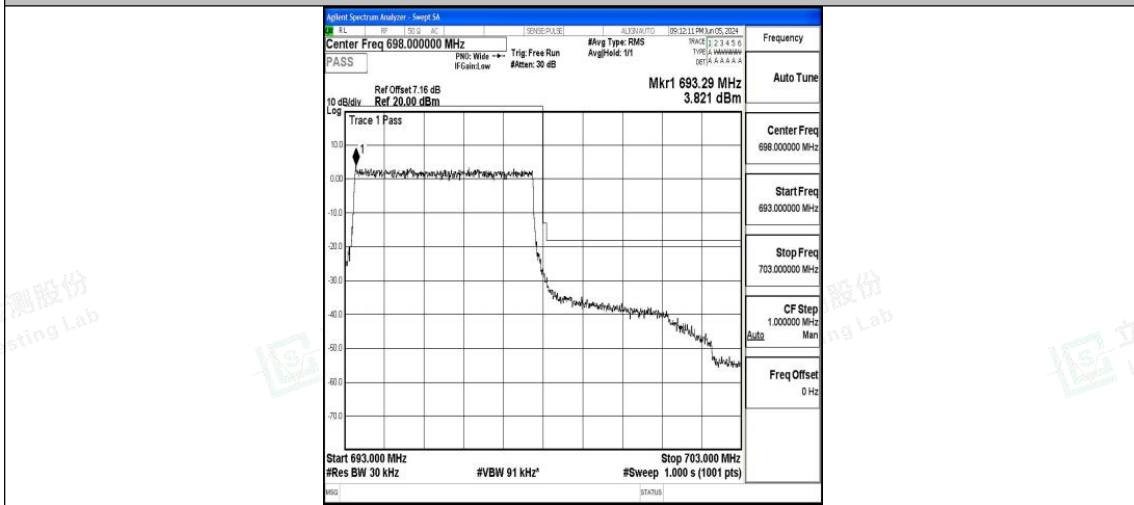
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	662.89	-29.86	PASS
Band71	5MHz	16QAM	133147	25RB#0	662.89	-32.45	PASS
Band71	5MHz	QPSK	133447	25RB#0	698.10	-29.09	PASS
Band71	5MHz	16QAM	133447	25RB#0	698.10	-32.03	PASS
Band71	10MHz	QPSK	133172	50RB#0	662.89	-35.58	PASS
Band71	10MHz	16QAM	133172	50RB#0	662.83	-36.96	PASS
Band71	10MHz	QPSK	133422	50RB#0	698.19	-32.71	PASS
Band71	10MHz	16QAM	133422	50RB#0	698.13	-36.23	PASS
Band71	15MHz	QPSK	133197	75RB#0	662.90	-37.16	PASS
Band71	15MHz	16QAM	133197	75RB#0	662.90	-38.30	PASS
Band71	15MHz	QPSK	133397	75RB#0	698.10	-36.66	PASS
Band71	15MHz	16QAM	133397	75RB#0	698.14	-38.60	PASS
Band71	20MHz	QPSK	133222	100RB#0	662.63	-38.93	PASS
Band71	20MHz	16QAM	133222	100RB#0	662.78	-40.22	PASS
Band71	20MHz	QPSK	133372	100RB#0	698.10	-39.99	PASS
Band71	20MHz	16QAM	133372	100RB#0	698.23	-42.20	PASS

Test Graphs

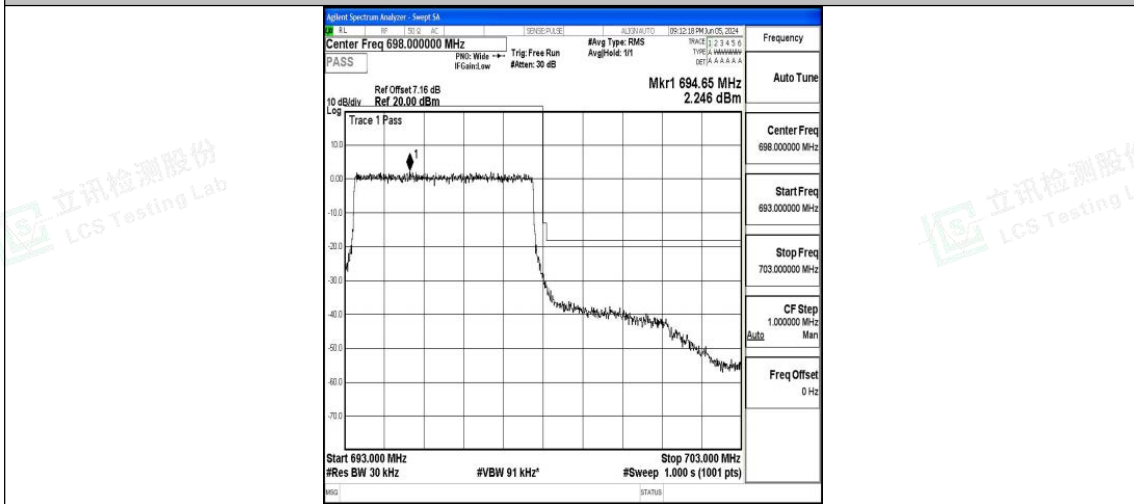




Band71_5MHz_16QAM_133147_25RB#0

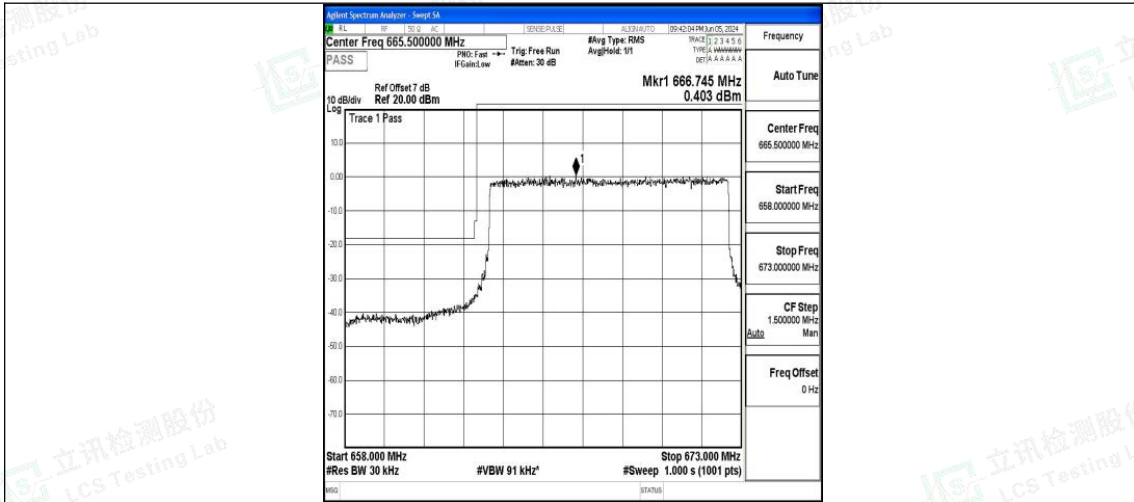


Band71_5MHz_QPSK_133447_25RB#0

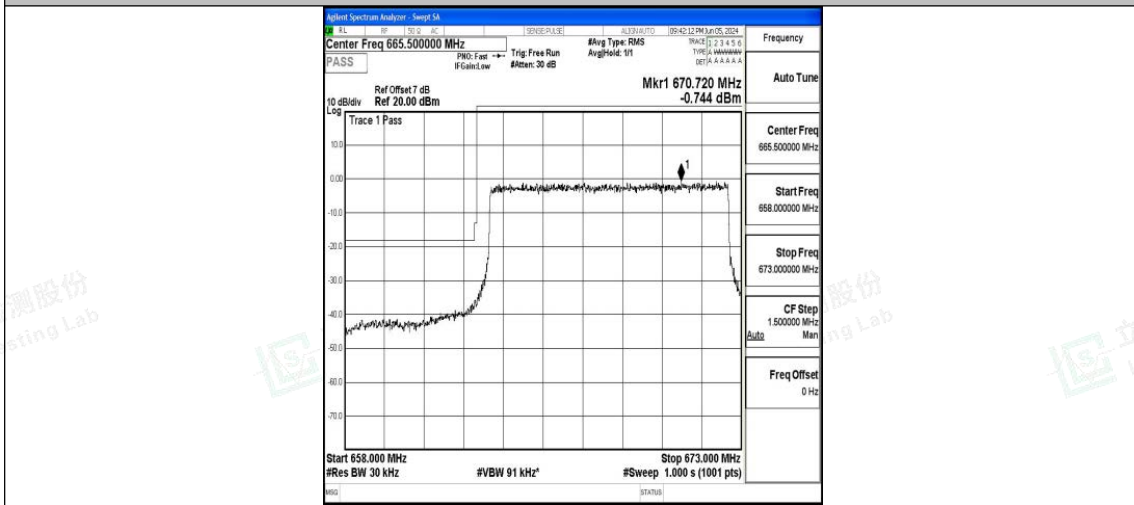


Band71_5MHz_16QAM_133447_25RB#0

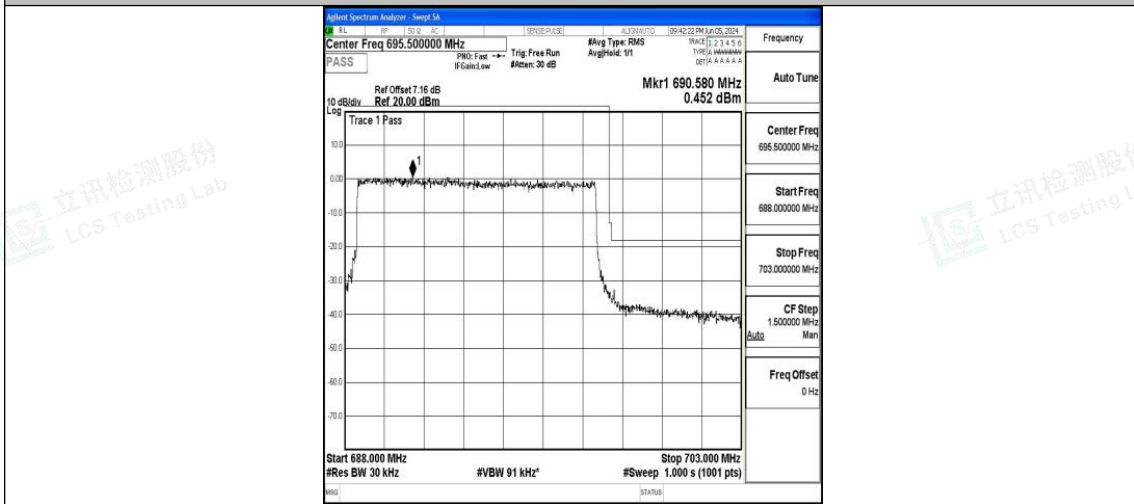




Band71_10MHz_QPSK_133172_50RB#0

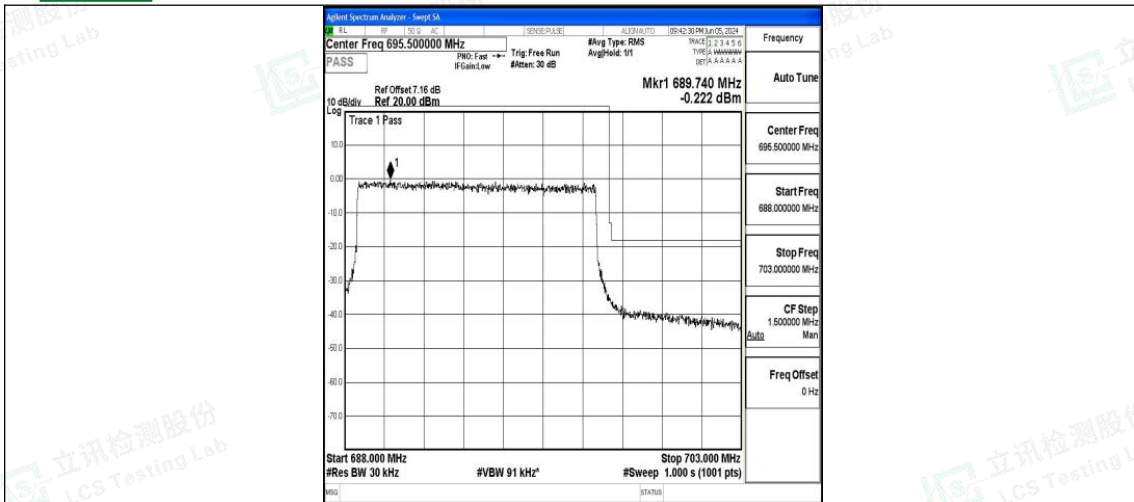


Band71_10MHz_16QAM_133172_50RB#0

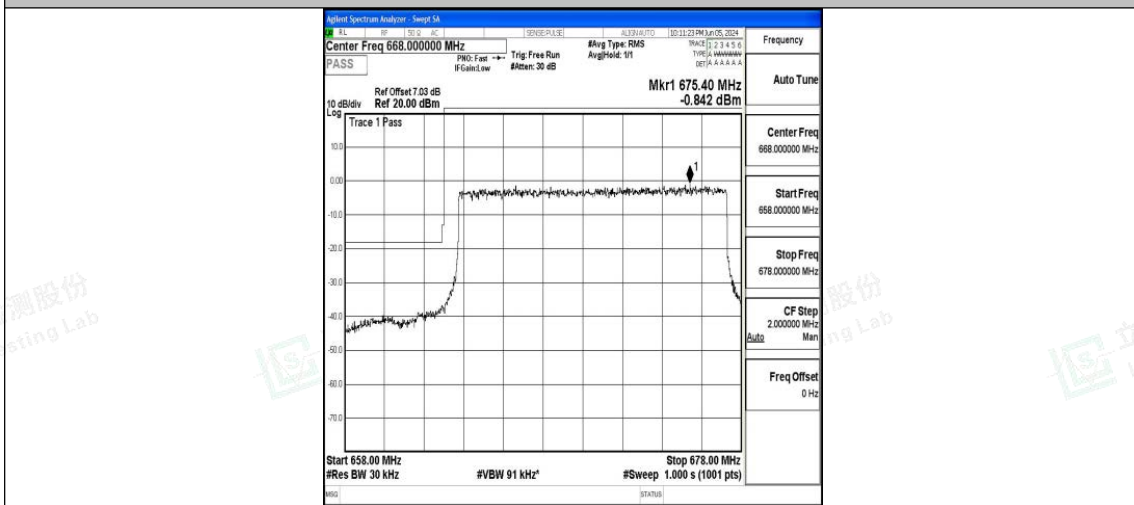


Band71_10MHz_QPSK_133422_50RB#0

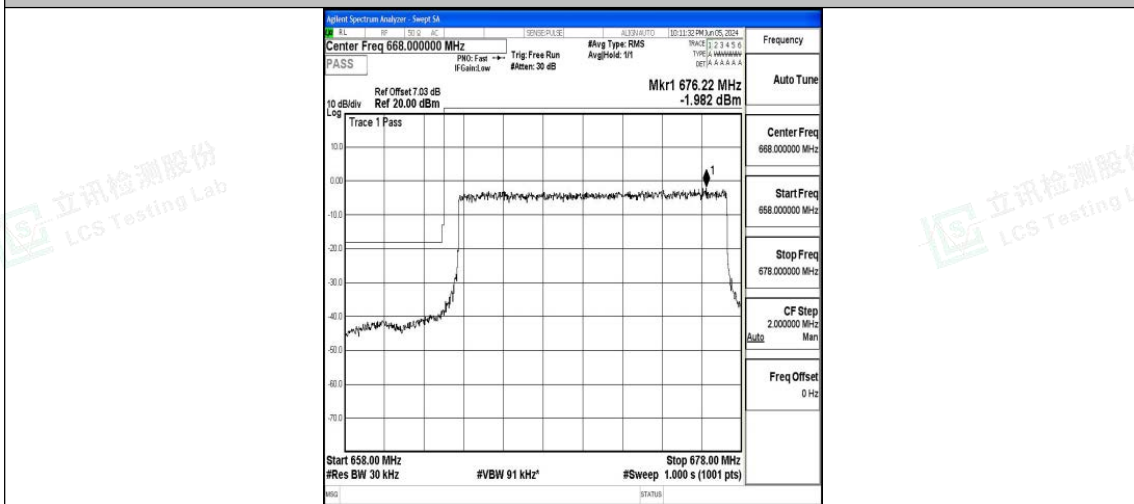




Band71_10MHz_16QAM_133422_50RB#0

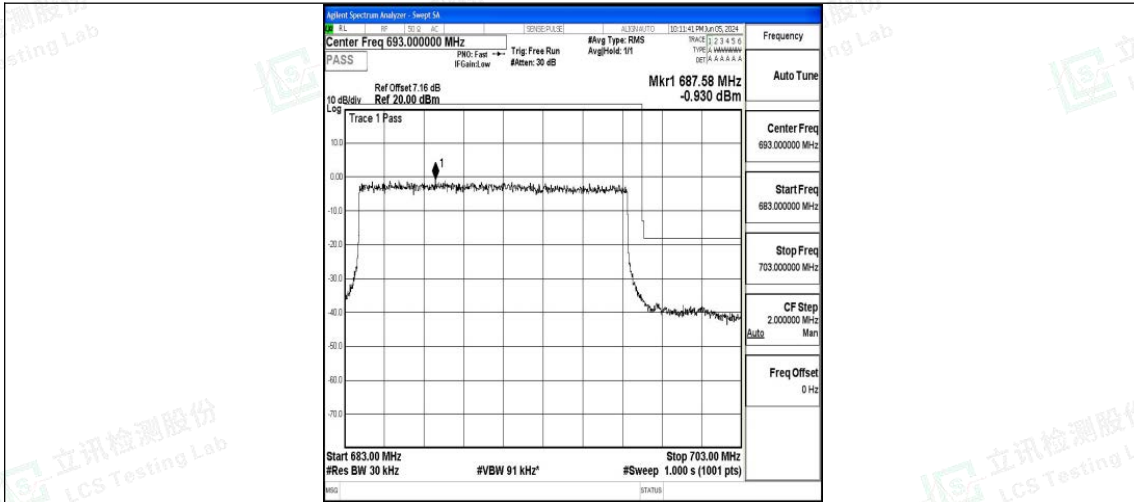


Band71_15MHz_QPSK_133197_75RB#0

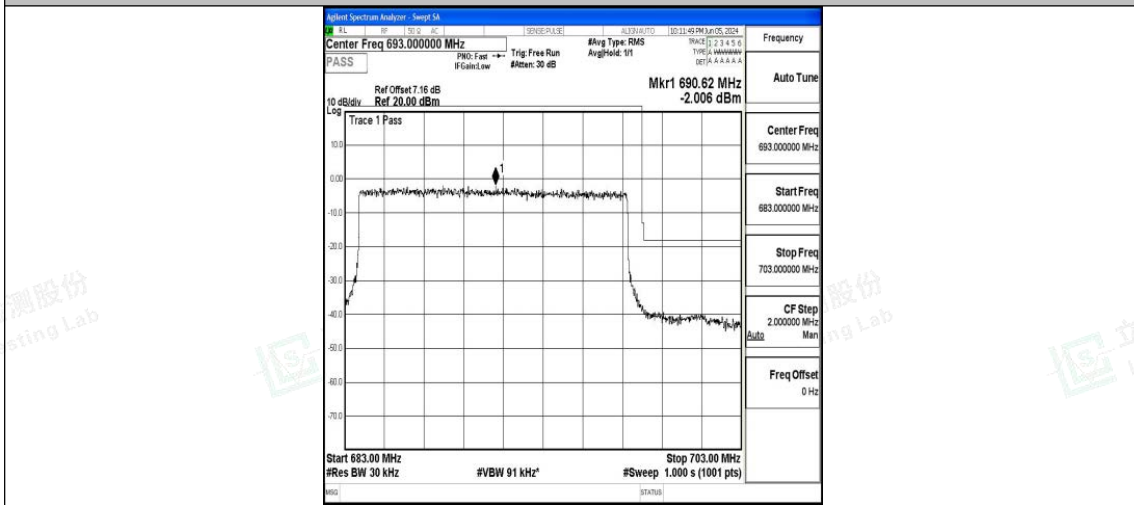


Band71_15MHz_16QAM_133197_75RB#0

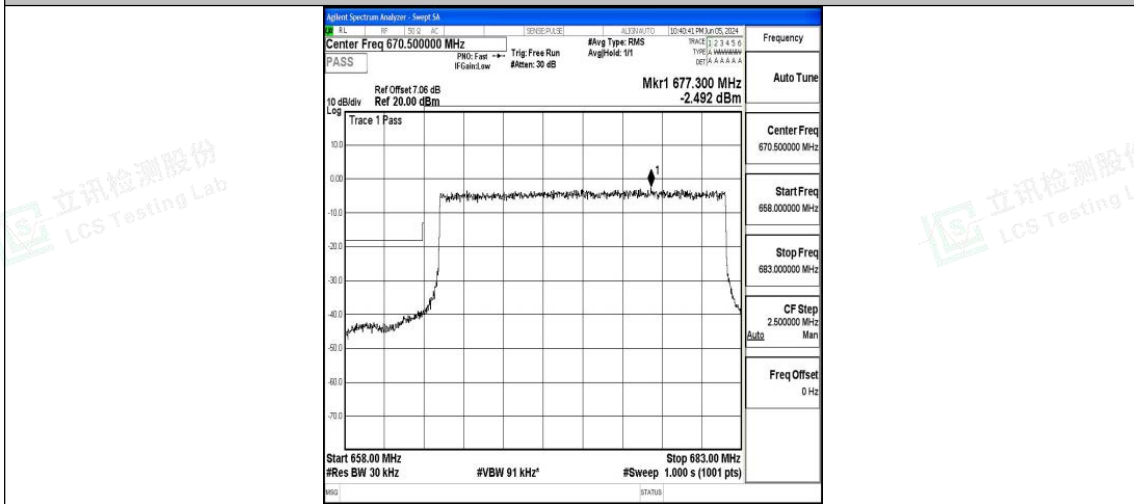




Band71_15MHz_QPSK_133397_75RB#0

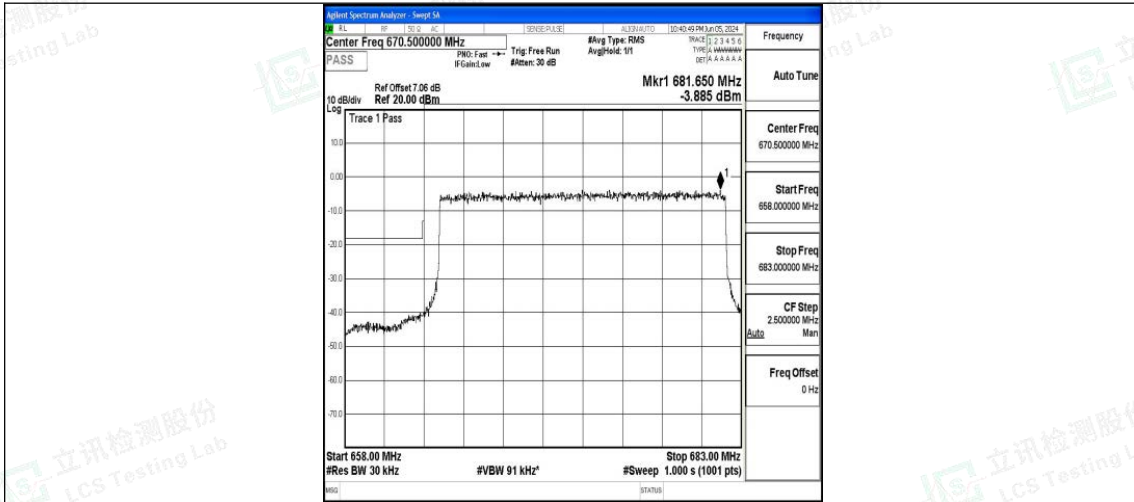


Band71_15MHz_16QAM_133397_75RB#0

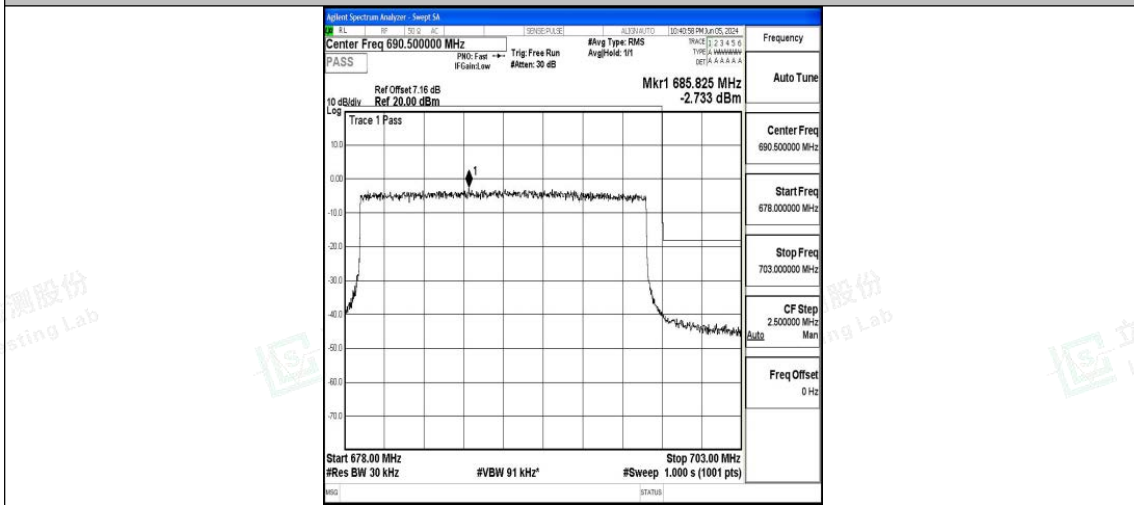


Band71_20MHz_QPSK_133222_100RB#0

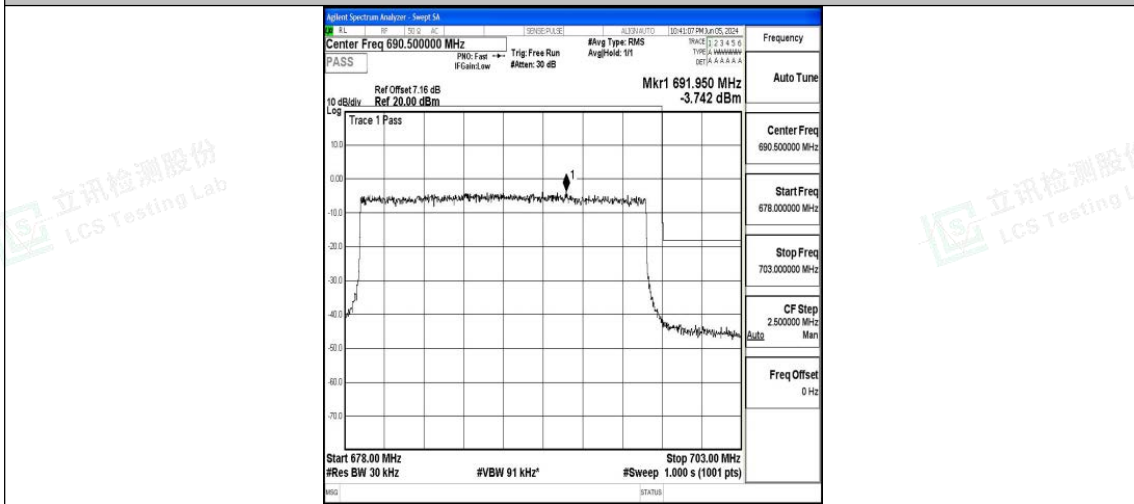




Band71_20MHz_16QAM_133222_100RB#0



Band71_20MHz_QPSK_133372_100RB#0



Band71_20MHz_16QAM_133372_100RB#0





M.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	0.009~0.15	-56.73	PASS
Band71	5MHz	QPSK	133147	1RB#0	0.15~30	-52.68	PASS
Band71	5MHz	QPSK	133147	1RB#0	30~1000	-61.76	PASS
Band71	5MHz	QPSK	133147	1RB#0	1000~3000	-44.32	PASS
Band71	5MHz	QPSK	133147	1RB#0	3000~10000	-43.79	PASS
Band71	5MHz	16QAM	133147	1RB#0	0.009~0.15	-55.55	PASS
Band71	5MHz	16QAM	133147	1RB#0	0.15~30	-54.32	PASS
Band71	5MHz	16QAM	133147	1RB#0	30~1000	-61.75	PASS
Band71	5MHz	16QAM	133147	1RB#0	1000~3000	-45.64	PASS
Band71	5MHz	16QAM	133147	1RB#0	3000~10000	-44.02	PASS
Band71	5MHz	QPSK	133297	1RB#0	0.009~0.15	-58.28	PASS
Band71	5MHz	QPSK	133297	1RB#0	0.15~30	-51.71	PASS
Band71	5MHz	QPSK	133297	1RB#0	30~1000	-61.90	PASS
Band71	5MHz	QPSK	133297	1RB#0	1000~3000	-44.35	PASS
Band71	5MHz	QPSK	133447	1RB#0	0.009~0.15	-56.86	PASS
Band71	5MHz	QPSK	133447	1RB#0	0.15~30	-51.09	PASS
Band71	5MHz	QPSK	133447	1RB#0	30~1000	-61.84	PASS
Band71	5MHz	QPSK	133447	1RB#0	1000~3000	-43.88	PASS
Band71	5MHz	QPSK	133447	1RB#0	3000~10000	-44.00	PASS
Band71	5MHz	16QAM	133447	1RB#0	0.009~0.15	-60.17	PASS
Band71	5MHz	16QAM	133447	1RB#0	0.15~30	-52.03	PASS
Band71	5MHz	16QAM	133447	1RB#0	30~1000	-61.87	PASS
Band71	5MHz	16QAM	133447	1RB#0	1000~3000	-45.26	PASS
Band71	5MHz	16QAM	133447	1RB#0	3000~10000	-44.10	PASS
Band71	10MHz	QPSK	133172	1RB#0	0.009~0.15	-57.59	PASS
Band71	10MHz	QPSK	133172	1RB#0	0.15~30	-53.66	PASS
Band71	10MHz	QPSK	133172	1RB#0	30~1000	-62.03	PASS
Band71	10MHz	QPSK	133172	1RB#0	1000~3000	-44.73	PASS
Band71	10MHz	QPSK	133297	1RB#0	0.009~0.15	-56.16	PASS
Band71	10MHz	QPSK	133297	1RB#0	0.15~30	-51.55	PASS
Band71	10MHz	QPSK	133297	1RB#0	30~1000	-62.07	PASS
Band71	10MHz	QPSK	133297	1RB#0	1000~3000	-43.41	PASS
Band71	10MHz	QPSK	133297	1RB#0	3000~10000	-44.13	PASS
Band71	10MHz	16QAM	133297	1RB#0	0.009~0.15	-58.56	PASS



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Scan code to check authenticity



Band71	10MHz	16QAM	133297	1RB#0	0.15~30	-52.64	PASS
Band71	10MHz	16QAM	133297	1RB#0	30~1000	-62.22	PASS
Band71	10MHz	16QAM	133297	1RB#0	1000~3000	-44.55	PASS
Band71	10MHz	16QAM	133297	1RB#0	3000~10000	-44.25	PASS
Band71	10MHz	QPSK	133422	1RB#0	0.009~0.15	-60.34	PASS
Band71	10MHz	QPSK	133422	1RB#0	0.15~30	-51.71	PASS
Band71	10MHz	QPSK	133422	1RB#0	30~1000	-61.93	PASS
Band71	10MHz	QPSK	133422	1RB#0	1000~3000	-45.55	PASS
Band71	10MHz	QPSK	133422	1RB#0	3000~10000	-44.19	PASS
Band71	10MHz	16QAM	133422	1RB#0	0.009~0.15	-59.65	PASS
Band71	10MHz	16QAM	133422	1RB#0	0.15~30	-52.90	PASS
Band71	10MHz	16QAM	133422	1RB#0	30~1000	-61.85	PASS
Band71	10MHz	16QAM	133422	1RB#0	1000~3000	-45.01	PASS
Band71	10MHz	16QAM	133422	1RB#0	3000~10000	-43.68	PASS
Band71	15MHz	QPSK	133197	1RB#0	0.009~0.15	-58.94	PASS
Band71	15MHz	QPSK	133197	1RB#0	0.15~30	-53.30	PASS
Band71	15MHz	QPSK	133197	1RB#0	30~1000	-61.39	PASS
Band71	15MHz	QPSK	133197	1RB#0	1000~3000	-46.30	PASS
Band71	15MHz	QPSK	133297	1RB#0	0.009~0.15	-59.23	PASS
Band71	15MHz	QPSK	133297	1RB#0	0.15~30	-51.97	PASS
Band71	15MHz	QPSK	133297	1RB#0	30~1000	-61.94	PASS
Band71	15MHz	QPSK	133297	1RB#0	1000~3000	-43.73	PASS
Band71	15MHz	QPSK	133297	1RB#0	3000~10000	-44.13	PASS
Band71	15MHz	16QAM	133297	1RB#0	0.009~0.15	-54.41	PASS
Band71	5MHz	QPSK	133297	1RB#0	3000~10000	-44.39	PASS
Band71	5MHz	16QAM	133297	1RB#0	0.009~0.15	-56.87	PASS
Band71	5MHz	16QAM	133297	1RB#0	0.15~30	-52.52	PASS
Band71	5MHz	16QAM	133297	1RB#0	30~1000	-61.81	PASS
Band71	5MHz	16QAM	133297	1RB#0	1000~3000	-45.68	PASS
Band71	5MHz	16QAM	133297	1RB#0	3000~10000	-43.76	PASS
Band71	10MHz	QPSK	133172	1RB#0	3000~10000	-44.35	PASS
Band71	10MHz	16QAM	133172	1RB#0	0.009~0.15	-58.47	PASS
Band71	10MHz	16QAM	133172	1RB#0	0.15~30	-53.58	PASS
Band71	10MHz	16QAM	133172	1RB#0	30~1000	-62.24	PASS
Band71	10MHz	16QAM	133172	1RB#0	1000~3000	-44.52	PASS
Band71	10MHz	16QAM	133172	1RB#0	3000~10000	-44.03	PASS
Band71	15MHz	QPSK	133197	1RB#0	3000~10000	-44.22	PASS
Band71	15MHz	16QAM	133197	1RB#0	0.009~0.15	-57.41	PASS
Band71	15MHz	16QAM	133197	1RB#0	0.15~30	-53.48	PASS
Band71	15MHz	16QAM	133197	1RB#0	30~1000	-61.72	PASS



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Scan code to check authenticity



Band71	15MHz	16QAM	133197	1RB#0	1000~3000	-46.59	PASS
Band71	15MHz	16QAM	133197	1RB#0	3000~10000	-43.78	PASS
Band71	15MHz	16QAM	133297	1RB#0	0.15~30	-53.78	PASS
Band71	15MHz	16QAM	133297	1RB#0	30~1000	-61.97	PASS
Band71	15MHz	16QAM	133297	1RB#0	1000~3000	-44.93	PASS
Band71	15MHz	16QAM	133297	1RB#0	3000~10000	-44.22	PASS
Band71	15MHz	QPSK	133397	1RB#0	0.009~0.15	-57.01	PASS
Band71	15MHz	QPSK	133397	1RB#0	0.15~30	-52.48	PASS
Band71	15MHz	QPSK	133397	1RB#0	30~1000	-62.01	PASS
Band71	15MHz	QPSK	133397	1RB#0	1000~3000	-45.26	PASS
Band71	15MHz	QPSK	133397	1RB#0	3000~10000	-44.16	PASS
Band71	15MHz	16QAM	133397	1RB#0	0.009~0.15	-58.40	PASS
Band71	15MHz	16QAM	133397	1RB#0	0.15~30	-51.55	PASS
Band71	15MHz	16QAM	133397	1RB#0	30~1000	-62.14	PASS
Band71	15MHz	16QAM	133397	1RB#0	1000~3000	-45.28	PASS
Band71	15MHz	16QAM	133397	1RB#0	3000~10000	-44.11	PASS
Band71	20MHz	QPSK	133222	1RB#0	0.009~0.15	-58.45	PASS
Band71	20MHz	QPSK	133222	1RB#0	0.15~30	-51.46	PASS
Band71	20MHz	QPSK	133222	1RB#0	30~1000	-61.79	PASS
Band71	20MHz	QPSK	133222	1RB#0	1000~3000	-45.02	PASS
Band71	20MHz	QPSK	133322	1RB#0	0.009~0.15	-58.55	PASS
Band71	20MHz	QPSK	133322	1RB#0	0.15~30	-52.04	PASS
Band71	20MHz	QPSK	133322	1RB#0	30~1000	-62.08	PASS
Band71	20MHz	QPSK	133322	1RB#0	1000~3000	-45.07	PASS
Band71	20MHz	QPSK	133322	1RB#0	3000~10000	-43.96	PASS
Band71	20MHz	16QAM	133322	1RB#0	0.009~0.15	-54.67	PASS
Band71	20MHz	16QAM	133322	1RB#0	0.15~30	-53.04	PASS
Band71	20MHz	16QAM	133322	1RB#0	30~1000	-62.14	PASS
Band71	20MHz	16QAM	133322	1RB#0	1000~3000	-44.56	PASS
Band71	20MHz	16QAM	133322	1RB#0	3000~10000	-43.98	PASS
Band71	20MHz	QPSK	133372	1RB#0	0.009~0.15	-59.55	PASS
Band71	20MHz	QPSK	133372	1RB#0	0.15~30	-51.07	PASS
Band71	20MHz	QPSK	133372	1RB#0	30~1000	-62.02	PASS
Band71	20MHz	QPSK	133222	1RB#0	3000~10000	-43.81	PASS
Band71	20MHz	16QAM	133222	1RB#0	0.009~0.15	-57.26	PASS
Band71	20MHz	16QAM	133222	1RB#0	0.15~30	-50.21	PASS
Band71	20MHz	16QAM	133222	1RB#0	30~1000	-61.85	PASS
Band71	20MHz	16QAM	133222	1RB#0	1000~3000	-46.03	PASS
Band71	20MHz	16QAM	133222	1RB#0	3000~10000	-43.91	PASS
Band71	20MHz	QPSK	133372	1RB#0	1000~3000	-44.89	PASS



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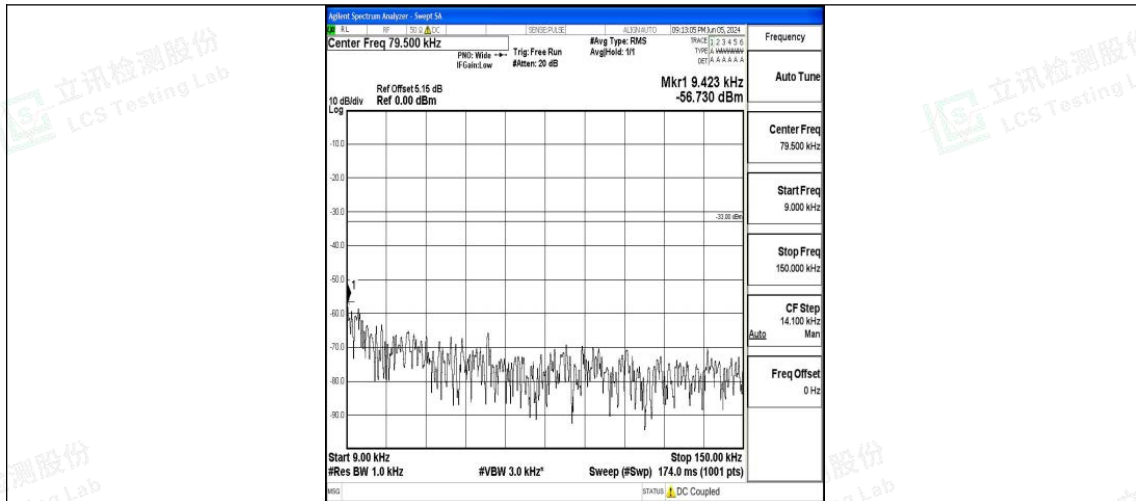
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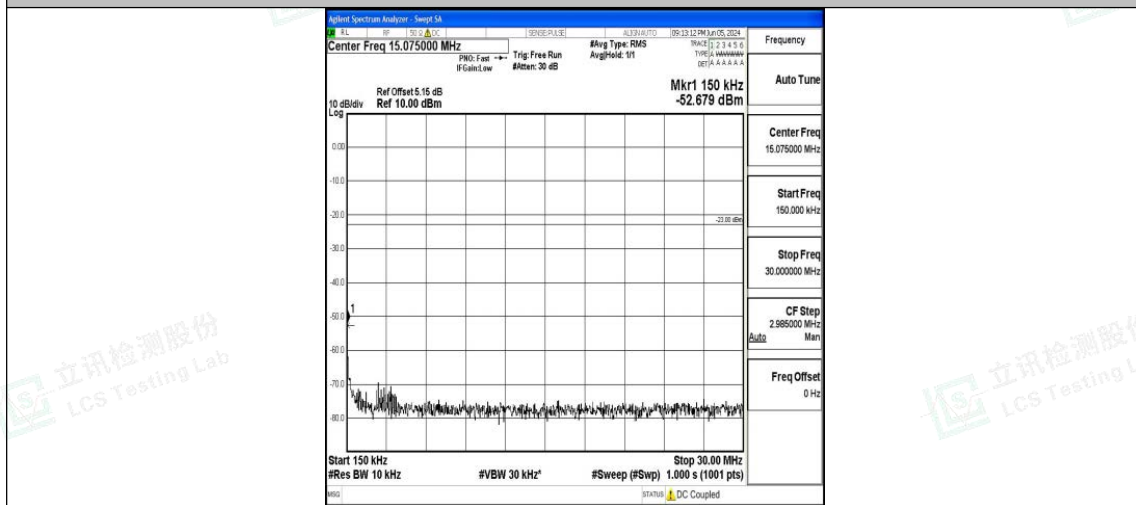


Band71	20MHz	QPSK	133372	1RB#0	3000~10000	-43.75	PASS
Band71	20MHz	16QAM	133372	1RB#0	0.009~0.15	-57.84	PASS
Band71	20MHz	16QAM	133372	1RB#0	0.15~30	-53.05	PASS
Band71	20MHz	16QAM	133372	1RB#0	30~1000	-62.05	PASS
Band71	20MHz	16QAM	133372	1RB#0	1000~3000	-46.16	PASS
Band71	20MHz	16QAM	133372	1RB#0	3000~10000	-44.24	PASS

Test Graphs

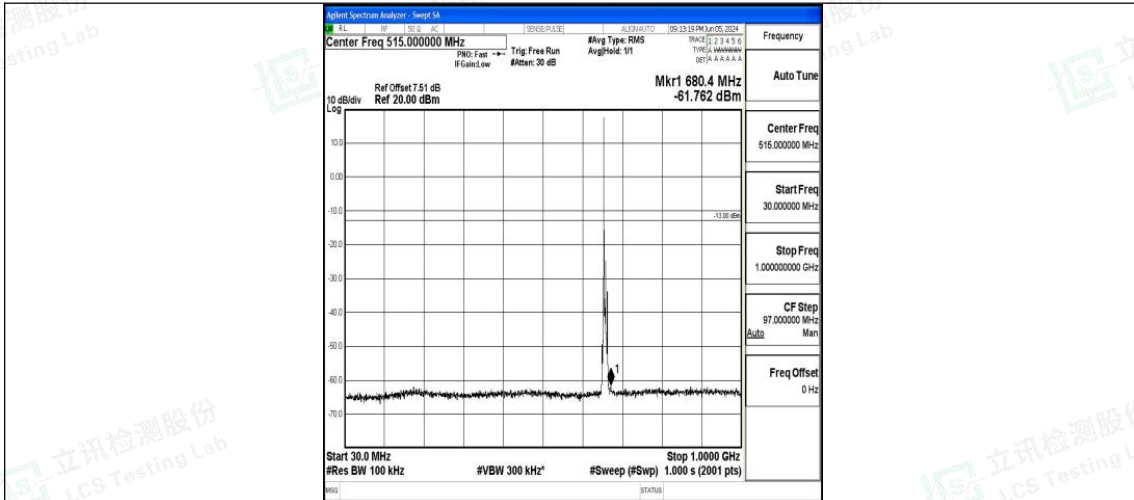


Band71_5MHz_QPSK_133147_1RB#0_0.009~0.15_0.009~0.15

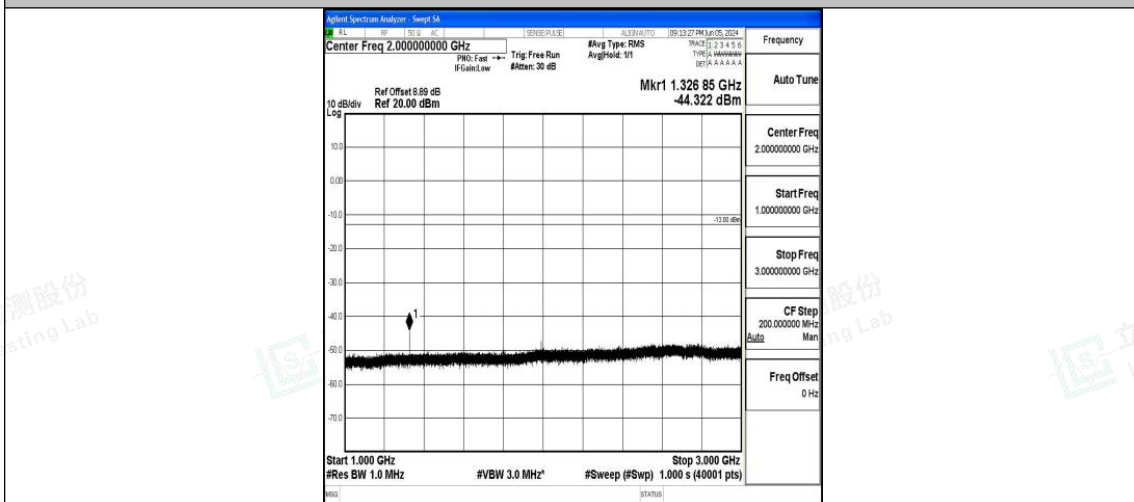


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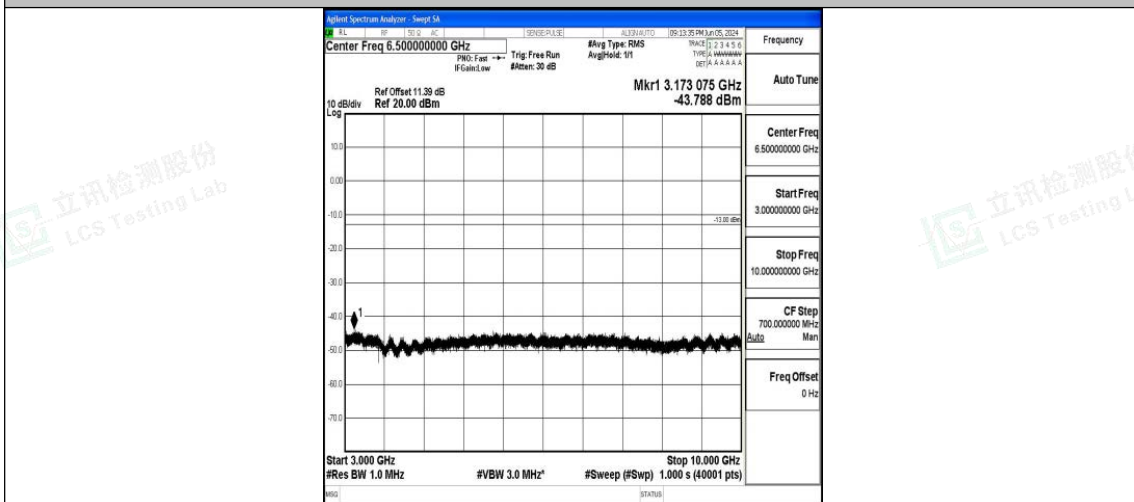




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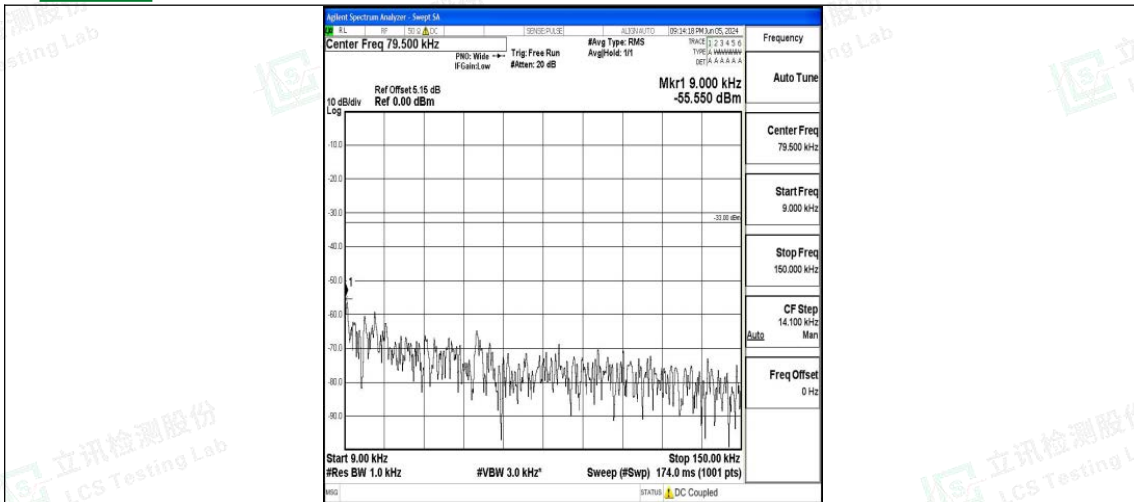


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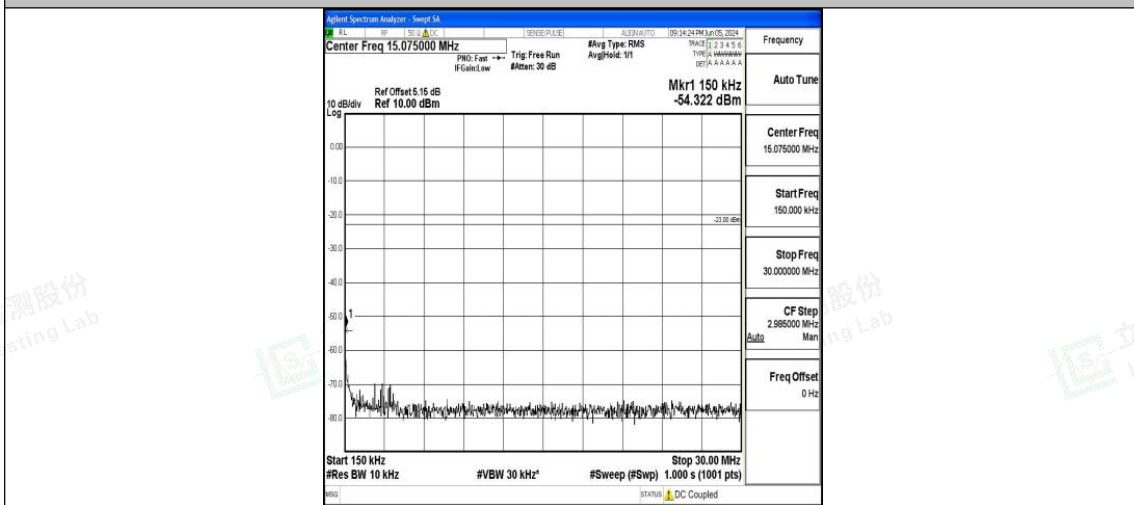


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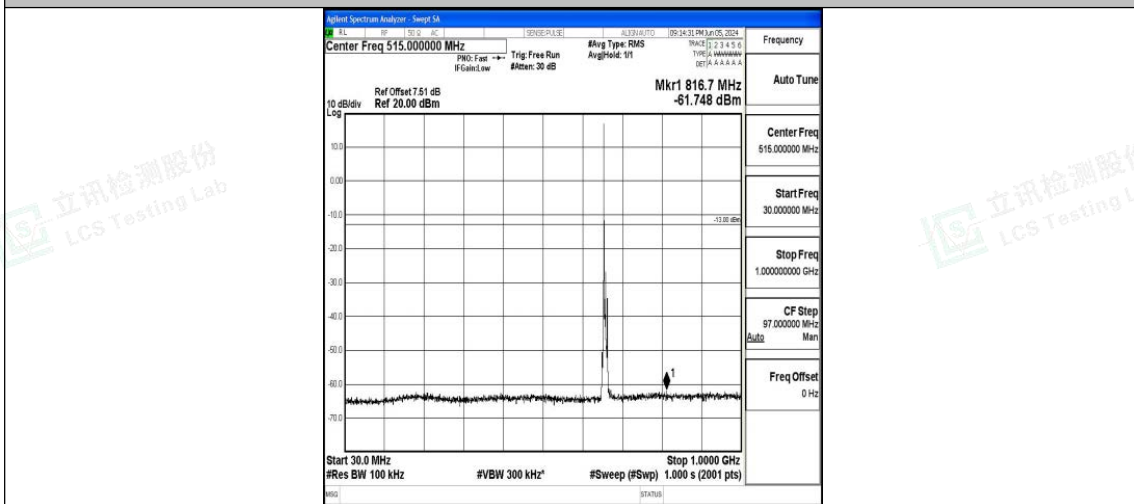




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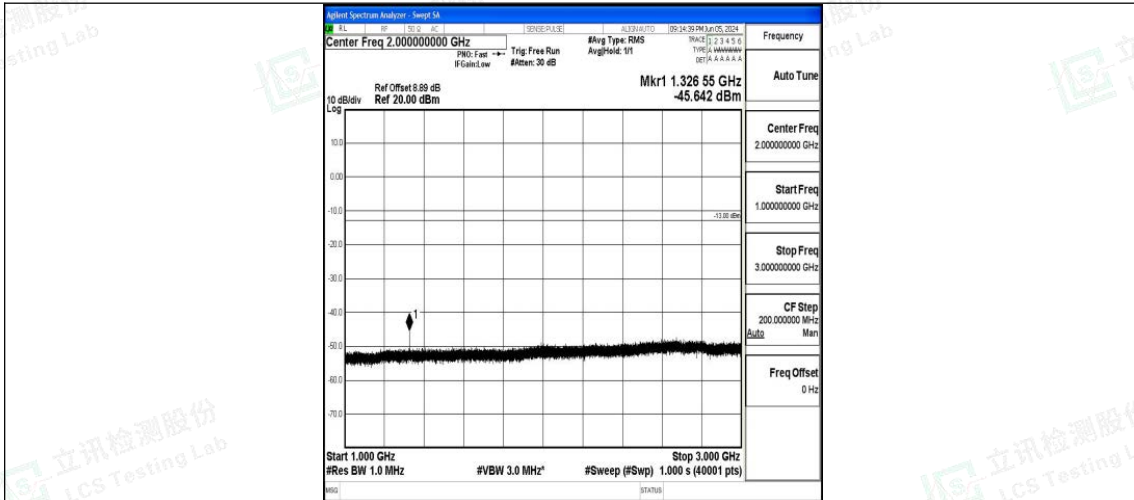


Band71_5MHz_16QAM_133147_1RB#0_0.15~30_0.15~30

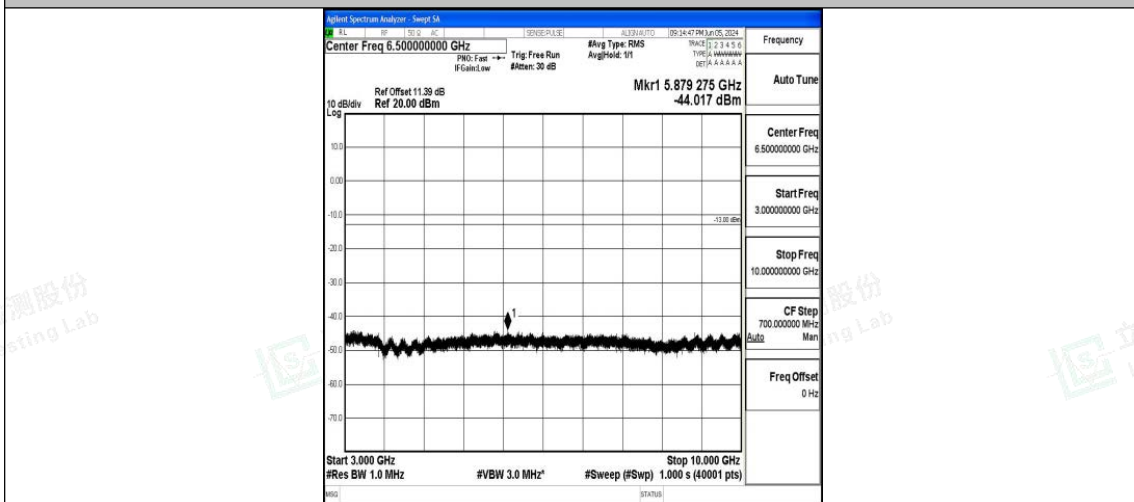


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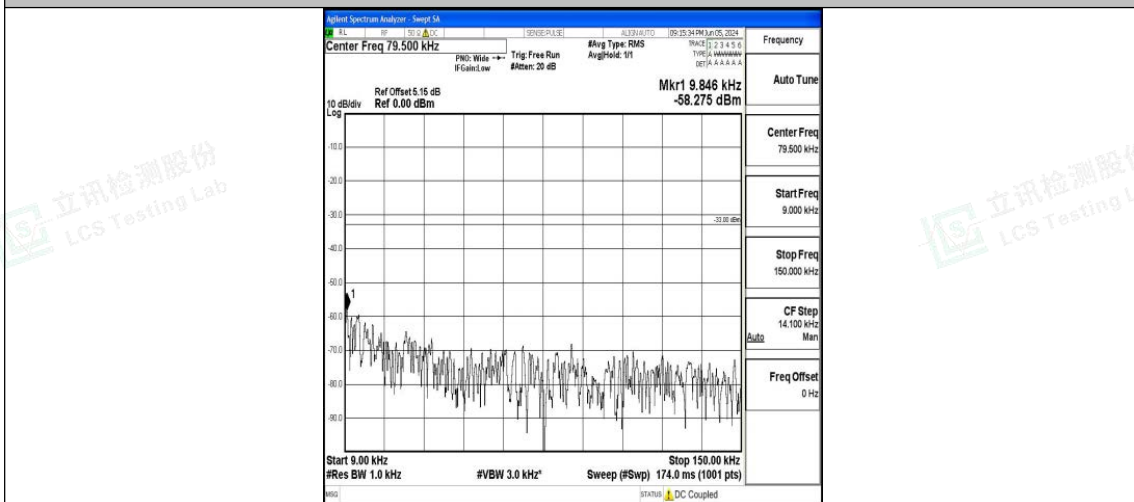




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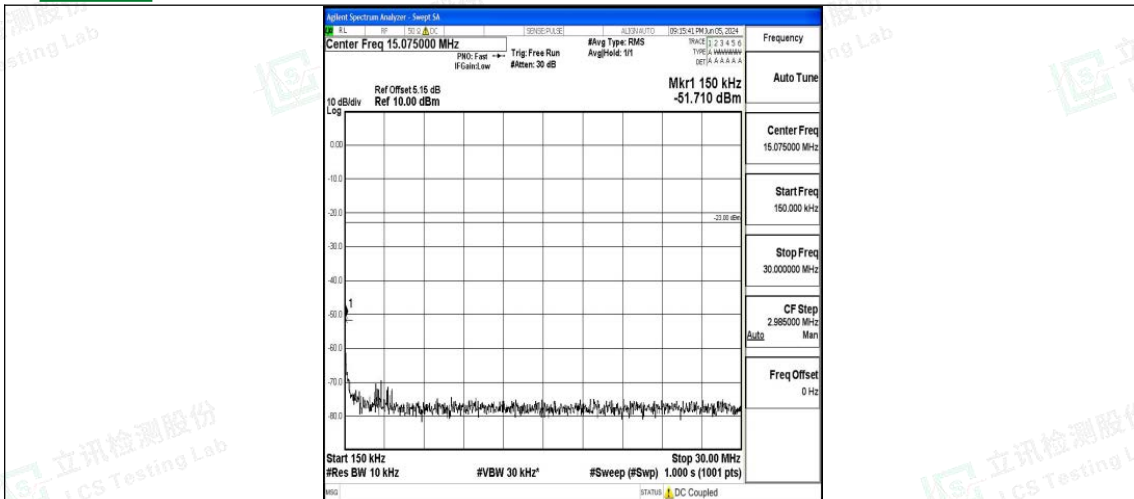


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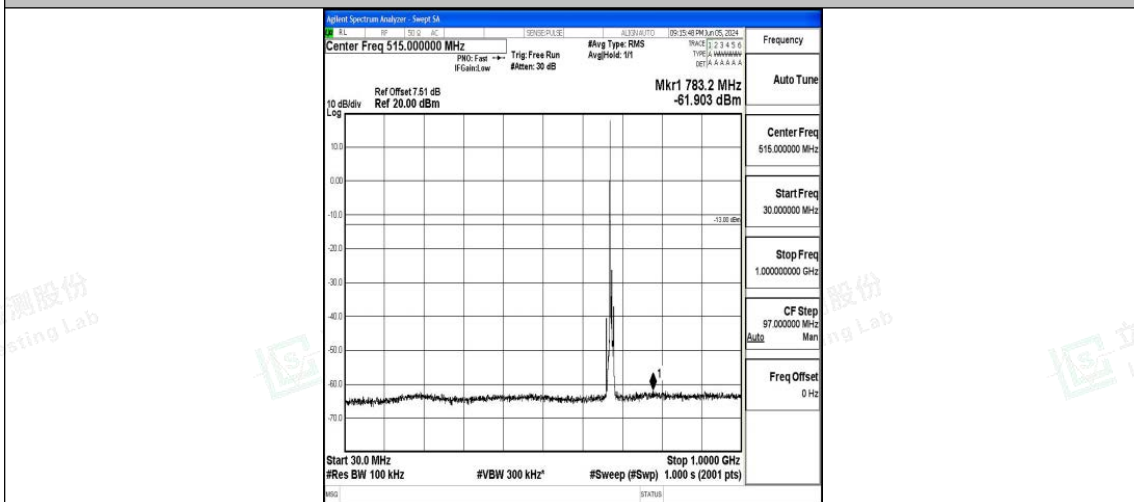


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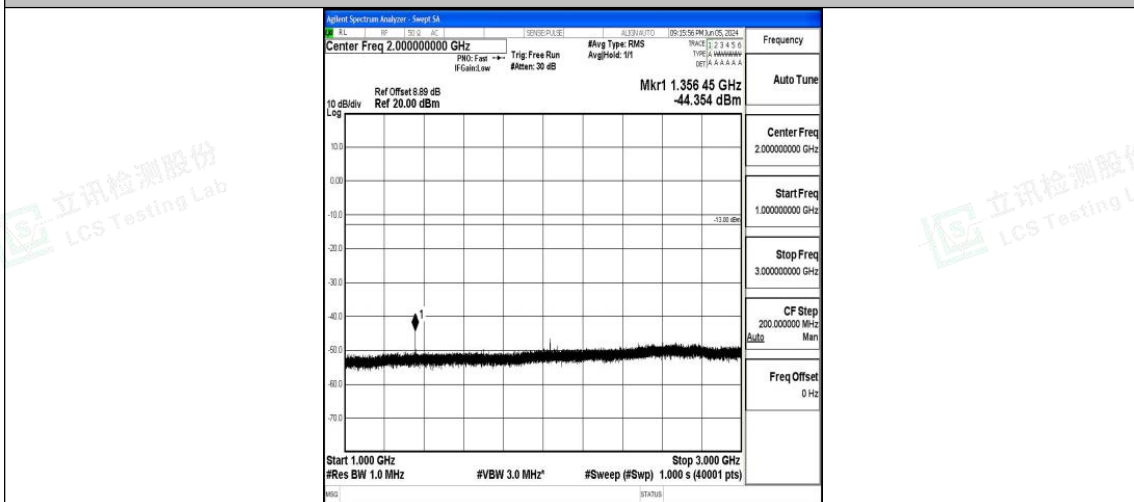




Band71_5MHz_QPSK_133297_1RB#0_0.15~30_0.15~30

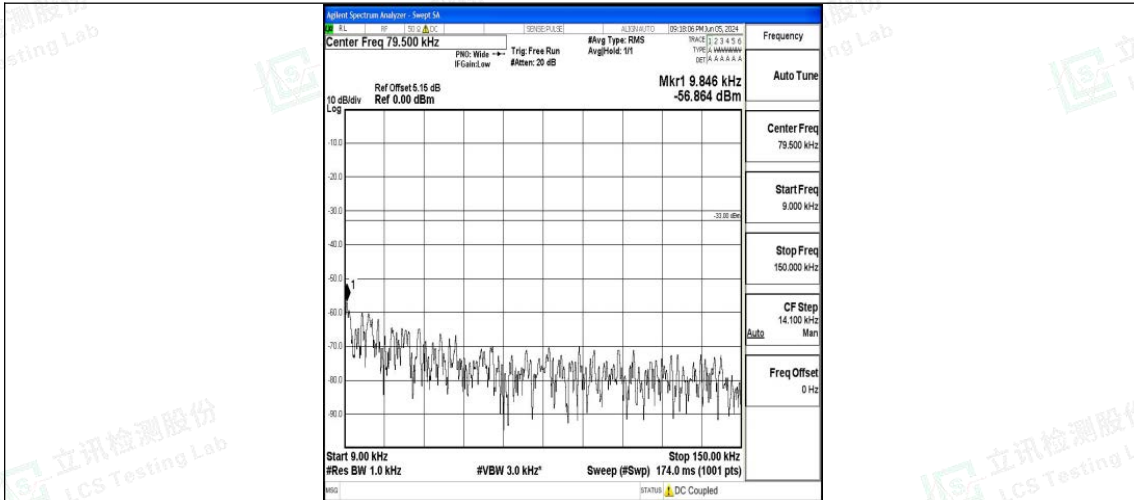


Band71_5MHz_QPSK_133297_1RB#0_30~1000_30~1000

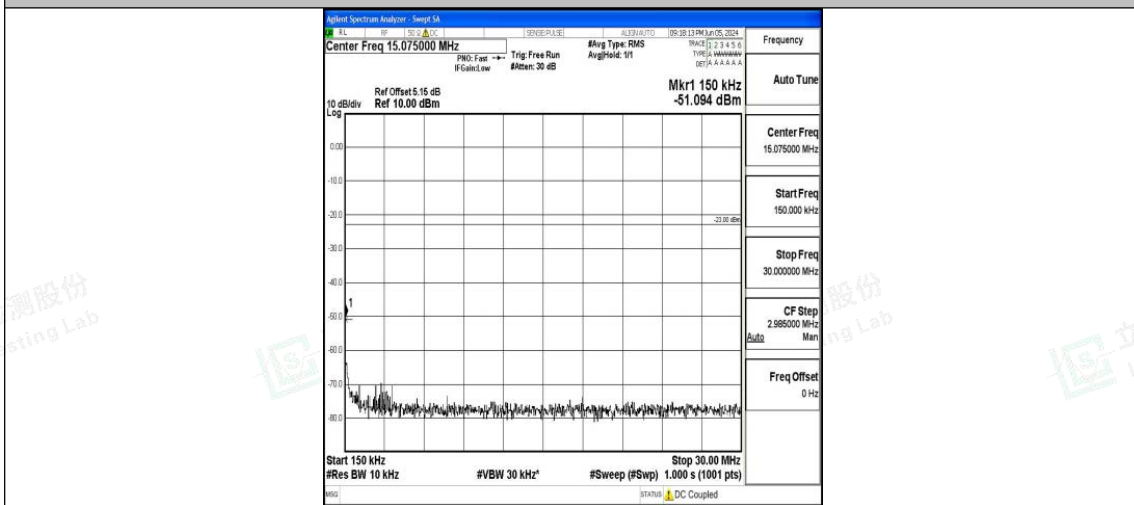


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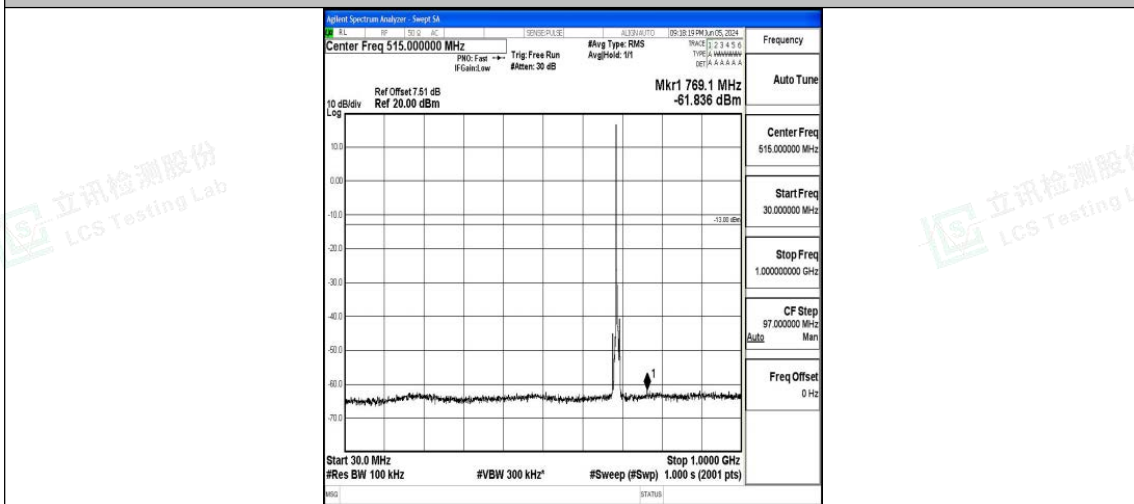




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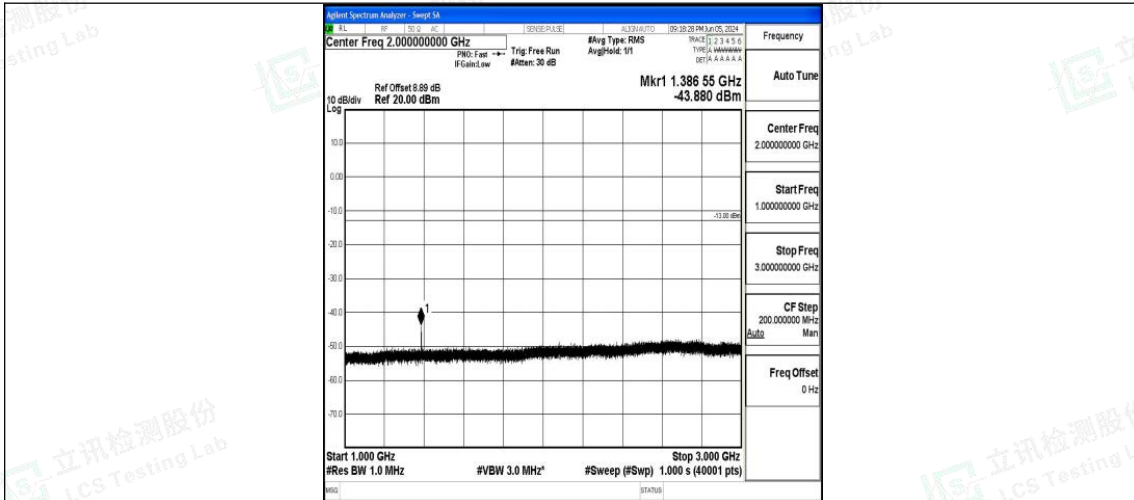


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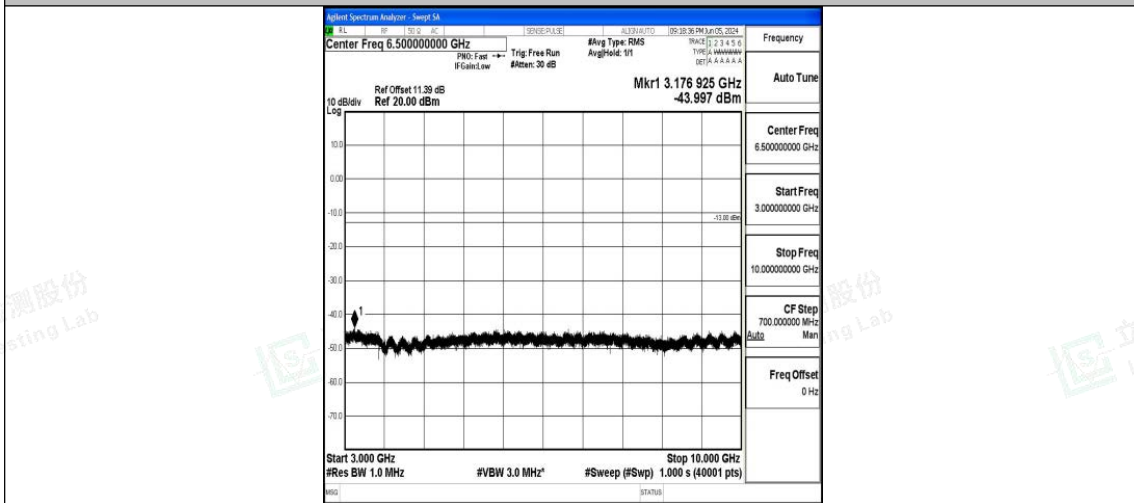


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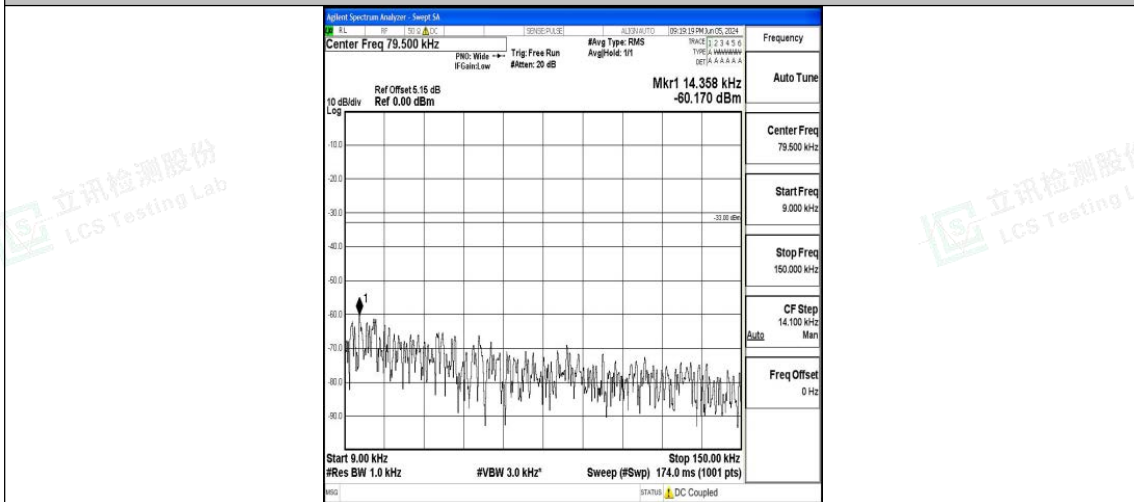




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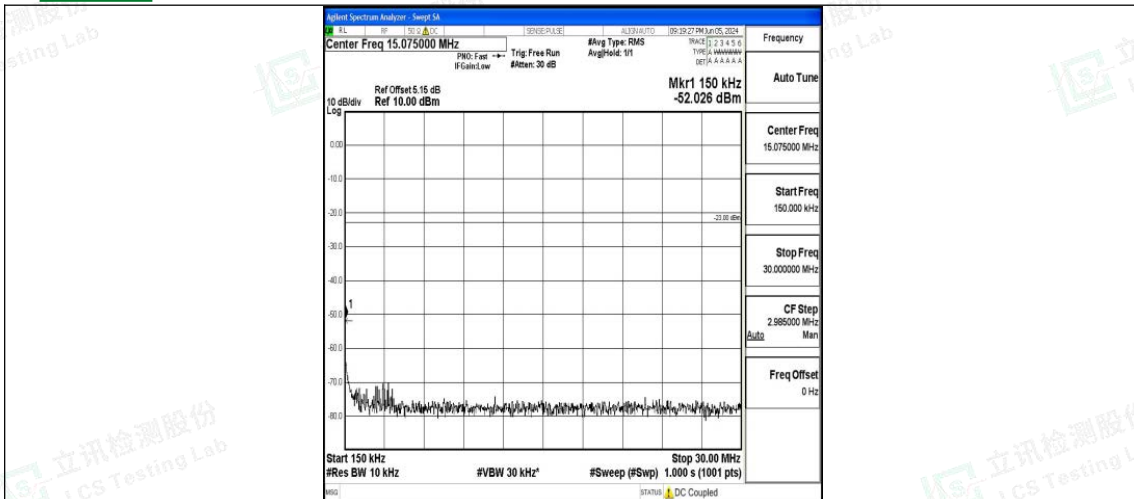


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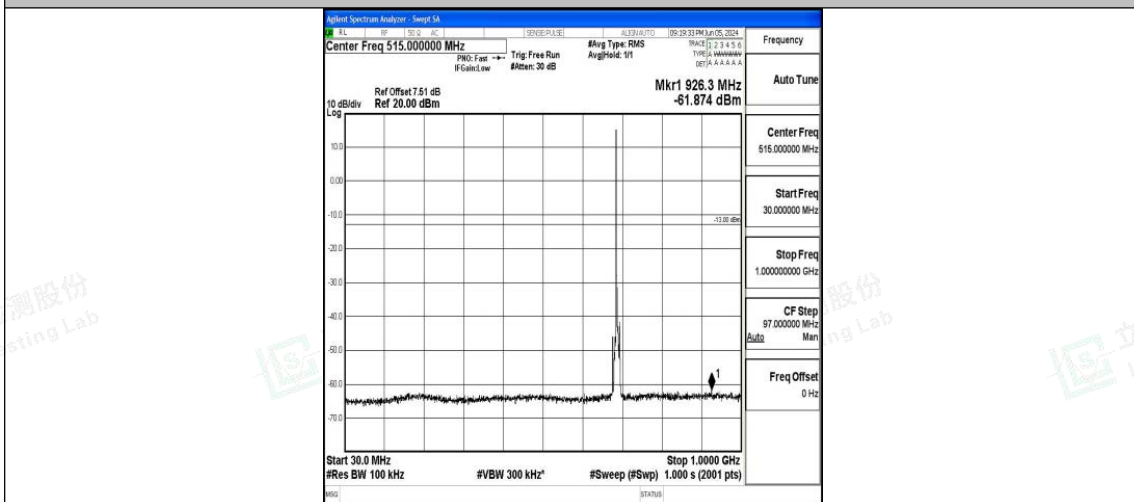


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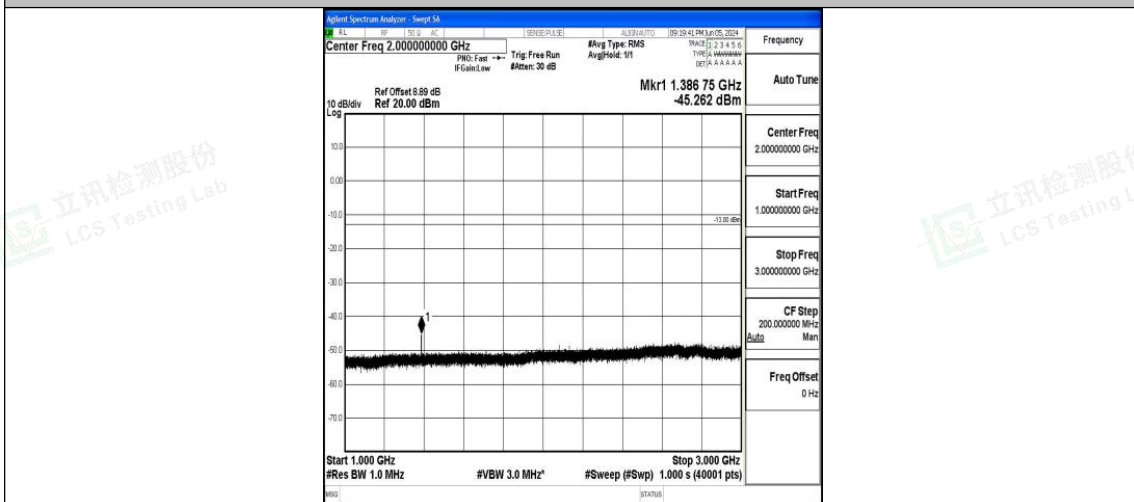




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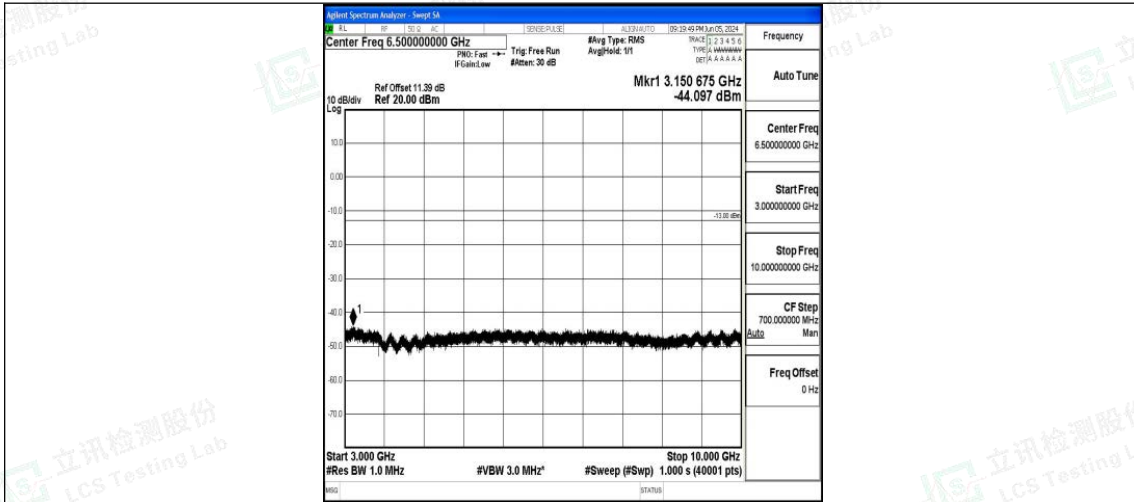


Band71_5MHz_16QAM_133447_1RB#0_30~1000_30~1000

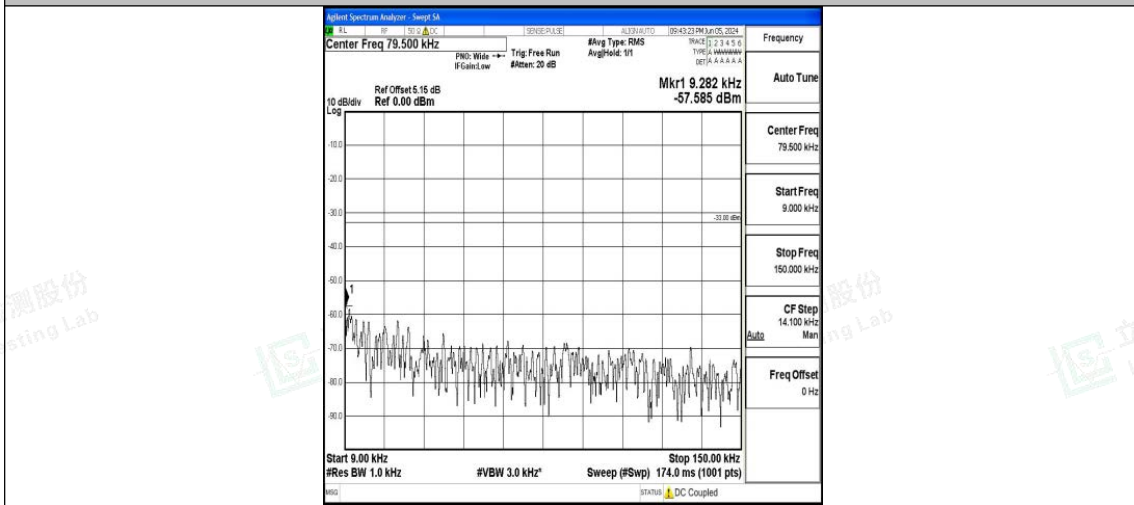


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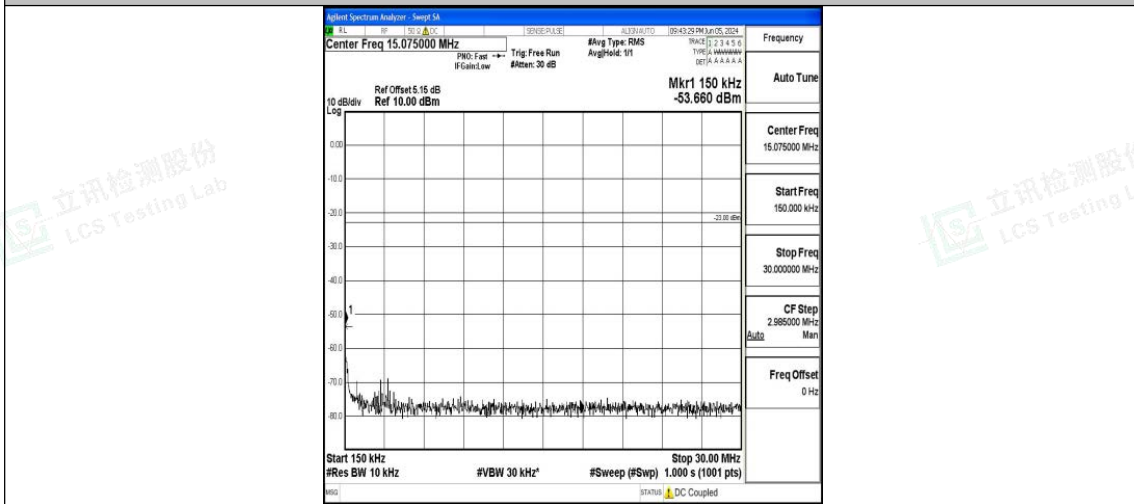




Band71_5MHz_16QAM_133447_1RB#0_3000~10000_3000~10000

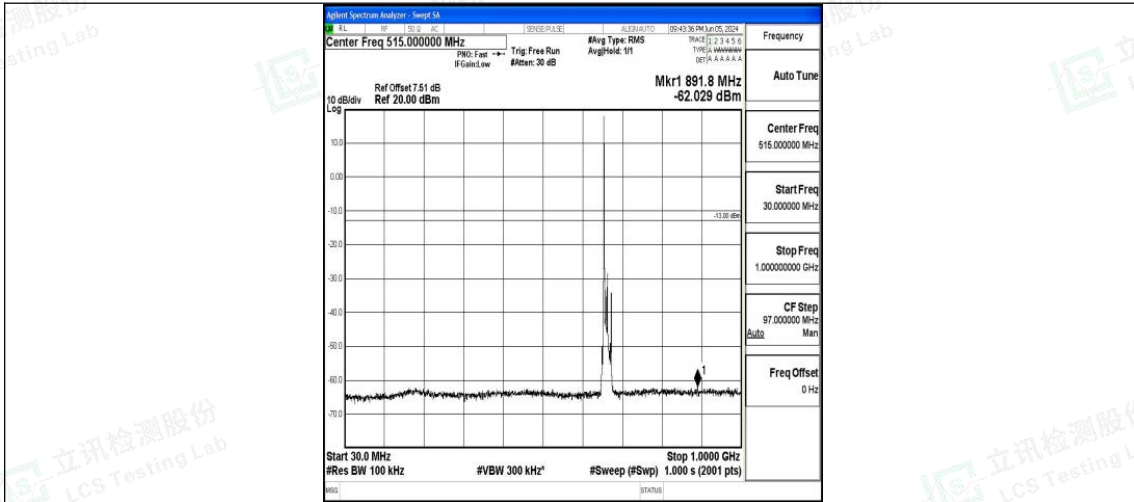


Band71_10MHz_QPSK_133172_1RB#0_0.009~0.15_0.009~0.15

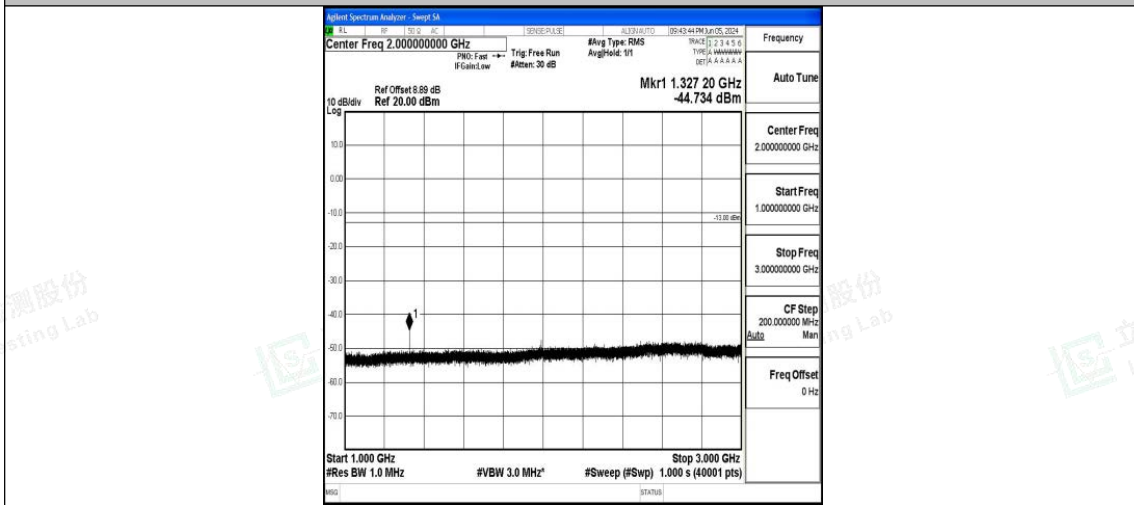


Band71_10MHz_QPSK_133172_1RB#0_0.15~30_0.15~30

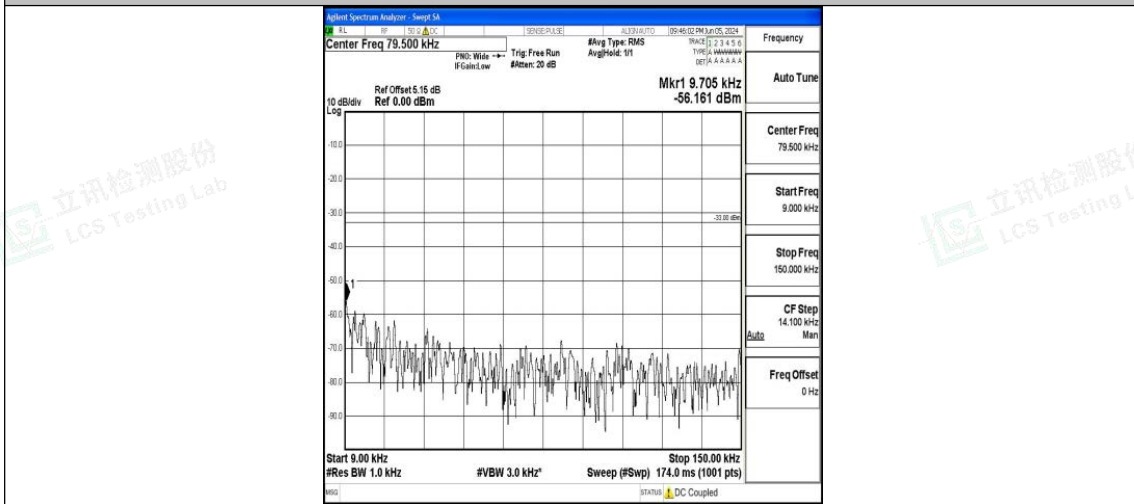




Band71_10MHz_QPSK_133172_1RB#0_30~1000_30~1000

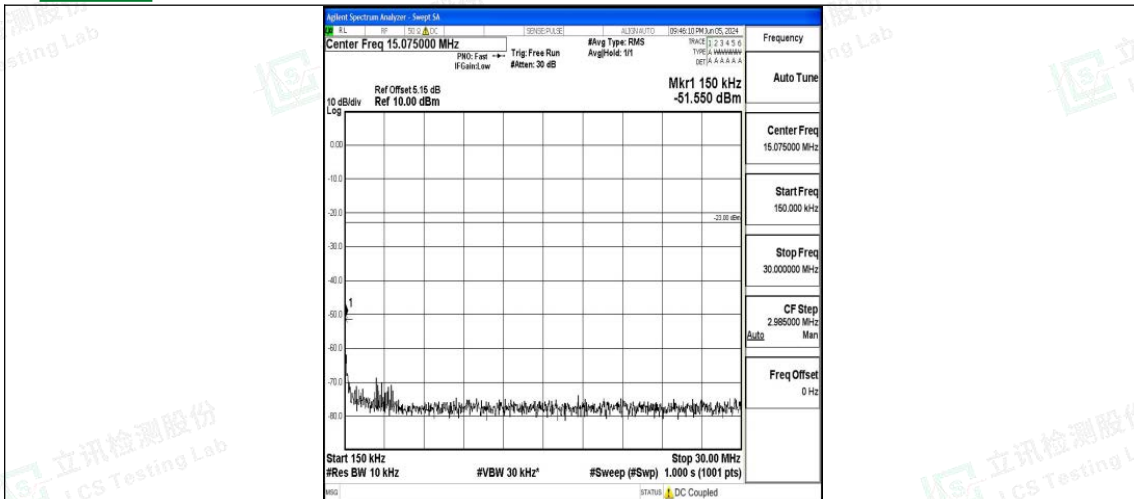


Band71_10MHz_QPSK_133172_1RB#0_1000~3000_1000~3000

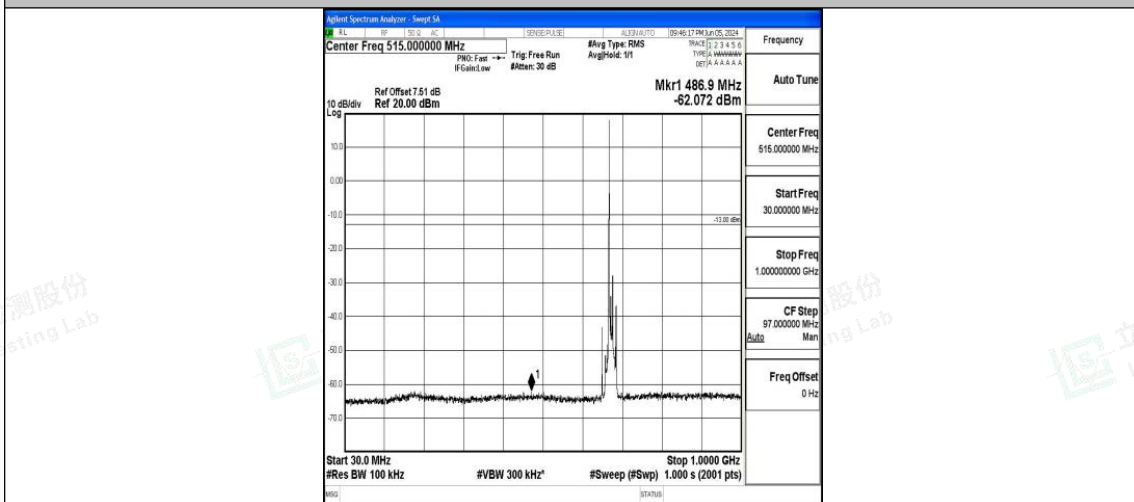


Band71_10MHz_QPSK_133297_1RB#0_0.009~0.15_0.009~0.15

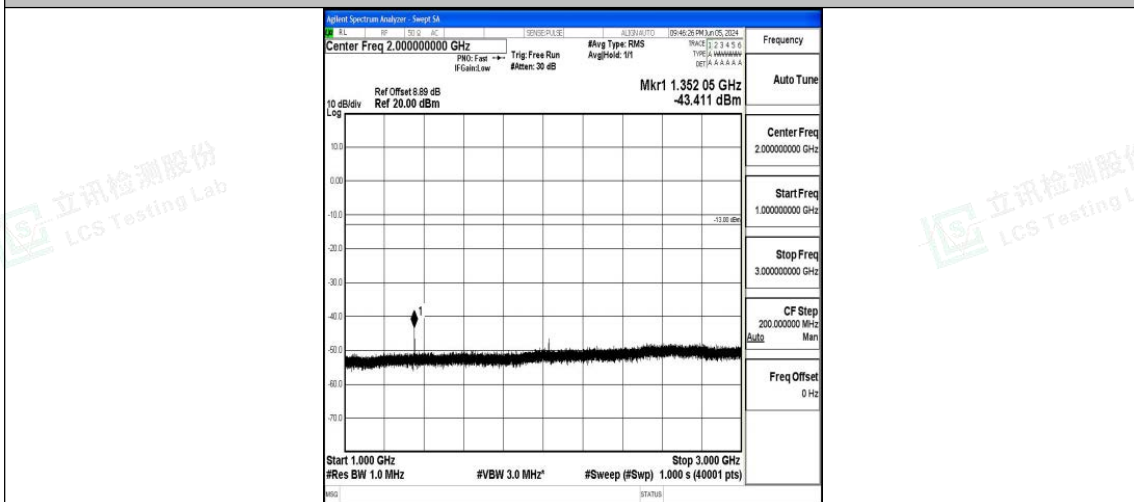




Band71_10MHz_QPSK_133297_1RB#0_0.15~30_0.15~30

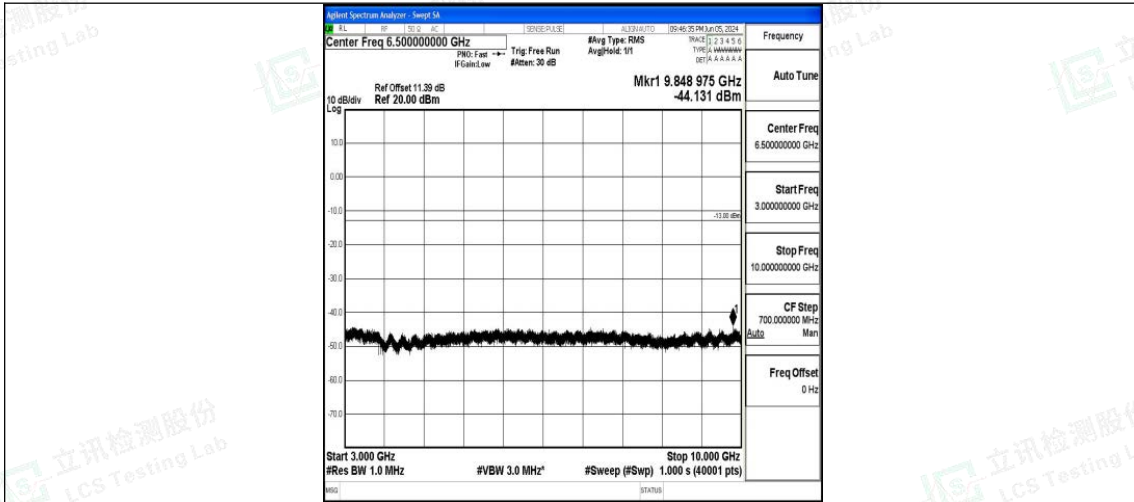


Band71_10MHz_QPSK_133297_1RB#0_30~1000_30~1000

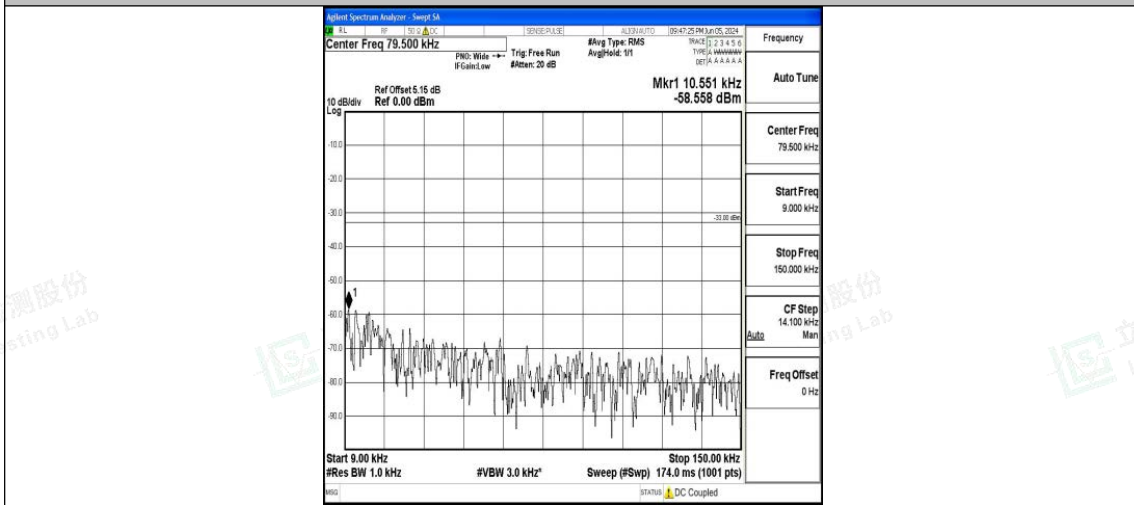


Band71_10MHz_QPSK_133297_1RB#0_1000~3000_1000~3000

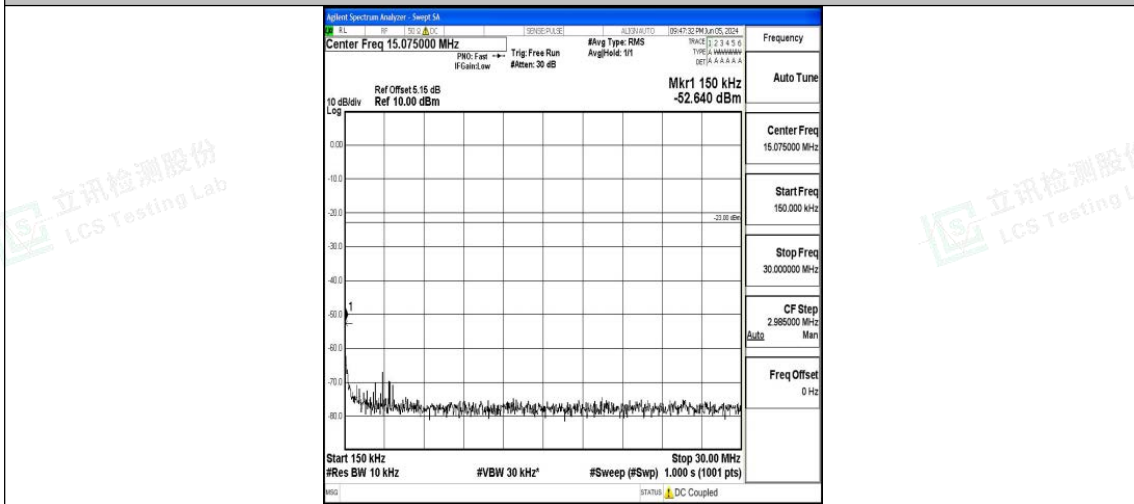




Band71_10MHz_QPSK_133297_1RB#0_3000~10000_3000~10000



Band71_10MHz_16QAM_133297_1RB#0_0.009~0.15_0.009~0.15



Band71_10MHz_16QAM_133297_1RB#0_0.15~30_0.15~30

