



Appendix J: Test Data for E-UTRA Band 5

Product Name: APOLLO

Test Model: APOLLO 7PRO

Environmental Conditions

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



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Scan code to check authenticity



J.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.94	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.87	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.81	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.81	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.91	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	20.87	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.24	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.35	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.27	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.31	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.31	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.34	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.16	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.24	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.08	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.08	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.05	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.15	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.12	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.08	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	20.79	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	20.78	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.81	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	19.80	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.56	PASS





Band5	1.4MHz	16QAM	20525	1RB#5	21.52	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.21	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.21	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.20	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.29	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.17	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.16	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.08	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.14	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.05	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.19	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.91	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.89	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.92	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.87	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.88	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.03	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.97	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.34	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.29	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.28	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.36	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.26	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.26	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.24	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.18	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.10	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.26	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.27	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.26	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.16	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.12	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.14	PASS





Band5	3MHz	16QAM	20415	1RB#14	21.14	PASS
Band5	3MHz	16QAM	20415	8RB#0	19.92	PASS
Band5	3MHz	16QAM	20415	8RB#4	19.92	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.05	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.05	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.49	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.41	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.24	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.24	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.33	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.25	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.09	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.08	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.09	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.25	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.26	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.26	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.12	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.00	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.13	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.00	PASS
Band5	5MHz	QPSK	20425	12RB#0	20.98	PASS
Band5	5MHz	QPSK	20425	12RB#6	20.93	PASS
Band5	5MHz	QPSK	20425	12RB#13	20.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.02	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.39	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.31	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.16	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.24	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.21	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.25	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.22	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.27	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.30	PASS





Band5	5MHz	QPSK	20625	1RB#24	22.16	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.23	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.22	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.33	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.25	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.05	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.14	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.10	PASS
Band5	5MHz	16QAM	20425	12RB#0	19.99	PASS
Band5	5MHz	16QAM	20425	12RB#6	19.99	PASS
Band5	5MHz	16QAM	20425	12RB#13	19.95	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.10	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.69	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.54	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.40	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.32	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.38	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.36	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.26	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.38	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.27	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.33	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.31	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.27	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.24	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.18	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.07	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.38	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.11	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.12	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.23	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.22	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.54	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.30	PASS





Band5	10MHz	QPSK	20525	1RB#49	22.49	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.29	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.32	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.40	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.30	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.50	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.26	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.51	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.44	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.36	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.41	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.42	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.40	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.31	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.63	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.07	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.07	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.18	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.17	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.77	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.40	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.73	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.42	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.42	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.39	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.38	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.47	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.24	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.65	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.55	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.46	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.43	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.44	PASS





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

Test Result

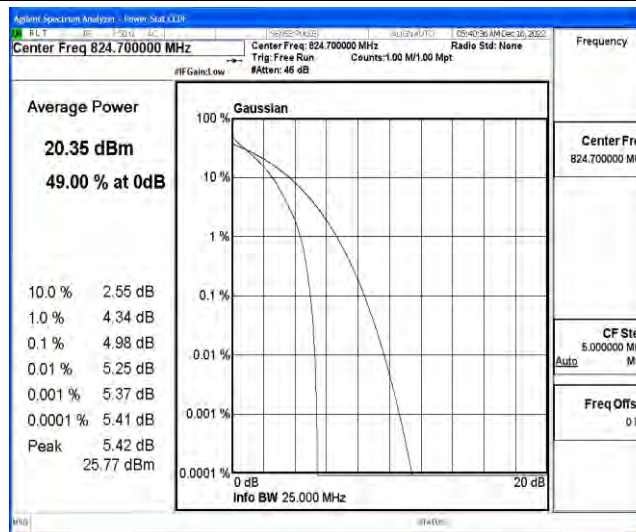
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	4.98	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.06	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.79	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.83	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.85	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.66	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.03	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.10	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.92	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.85	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.94	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.75	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.07	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.07	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.93	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.82	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.89	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.75	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.15	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.02	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.97	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.91	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.84	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.74	13	PASS



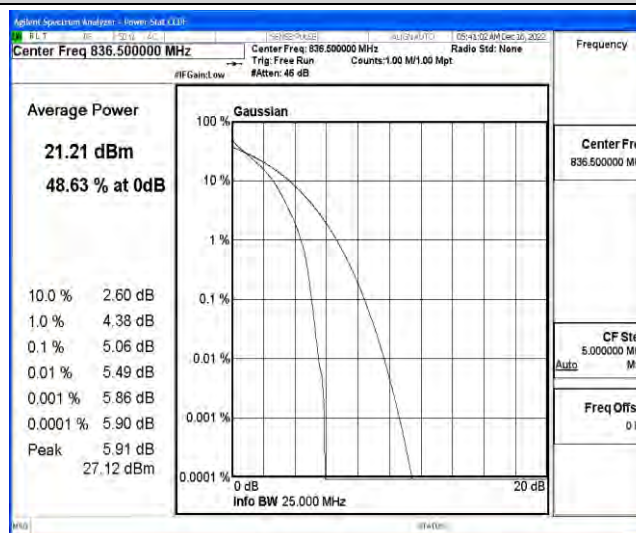


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

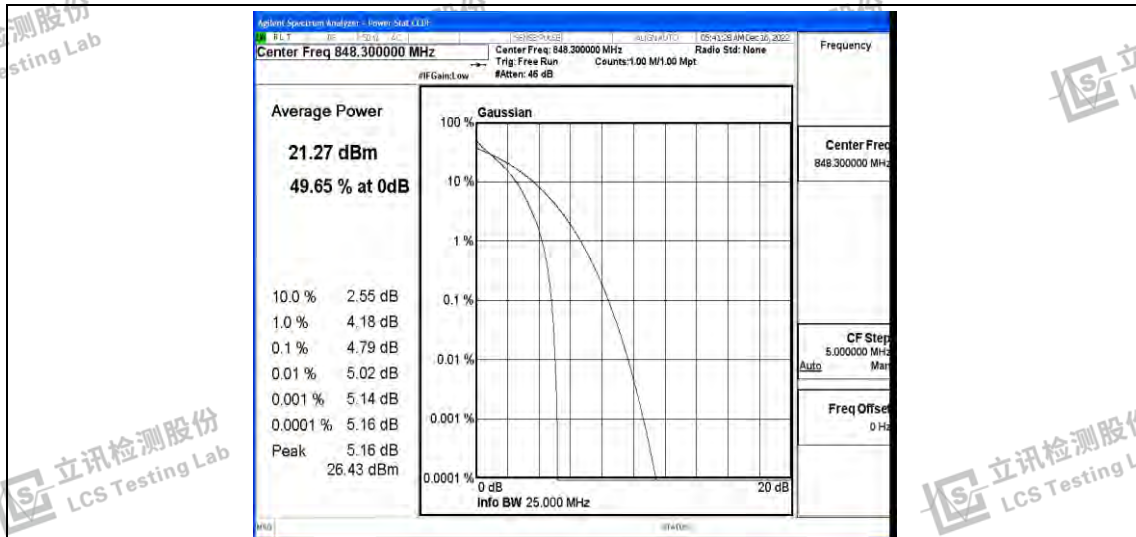


Band5-1.4MHz-QPSK-20525-6RB#0

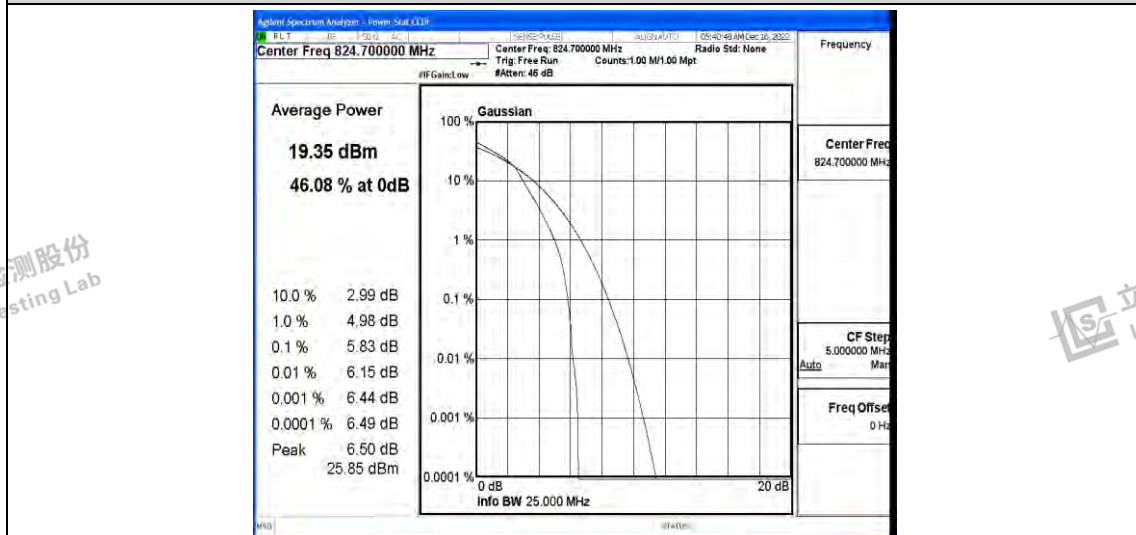


Band5-1.4MHz-QPSK-20643-6RB#0

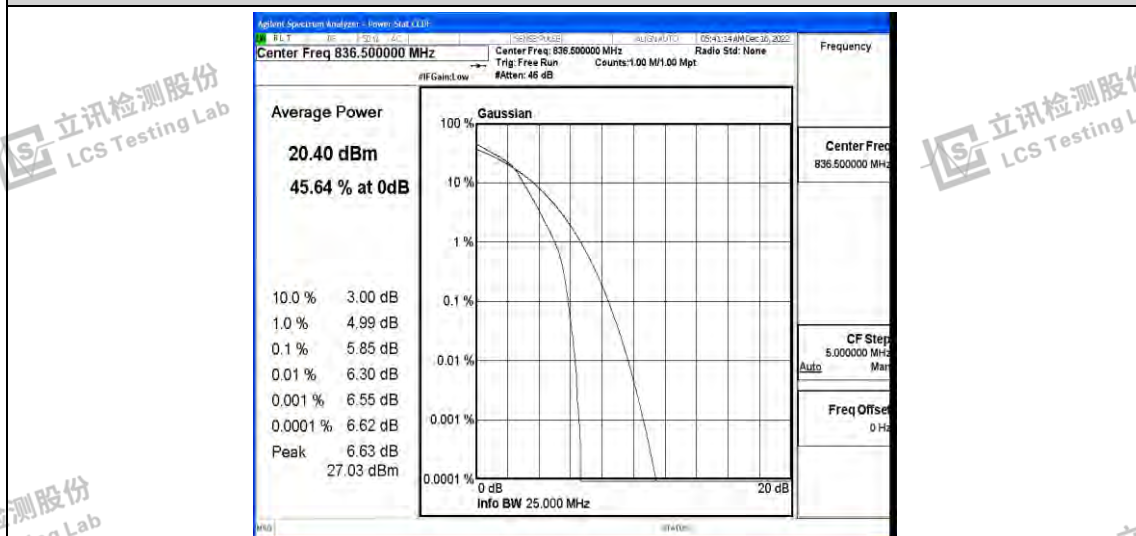




Band5-1.4MHz-16QAM-20407-6RB#0

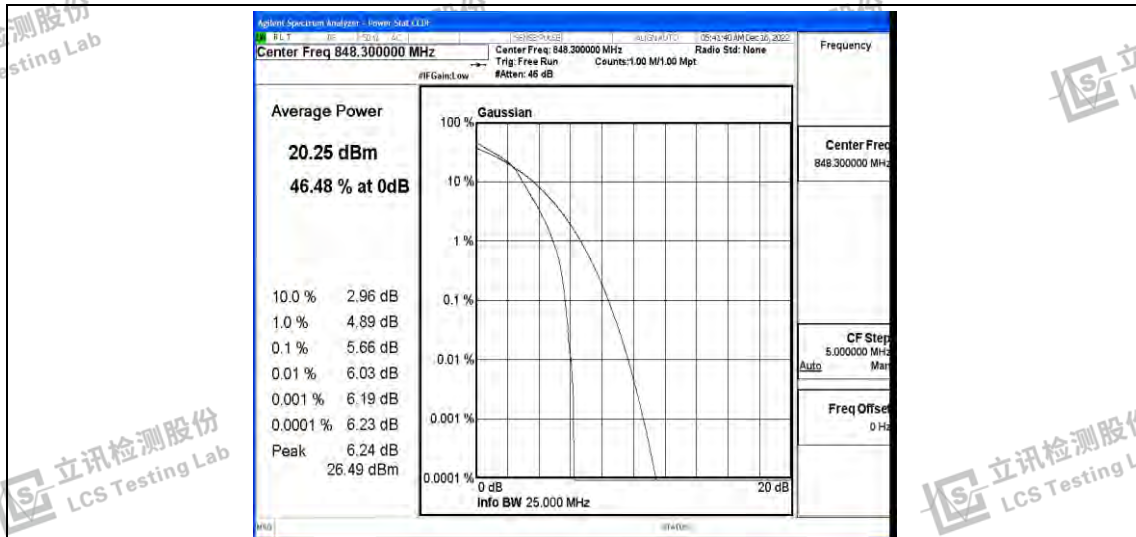


Band5-1.4MHz-16QAM-20525-6RB#0

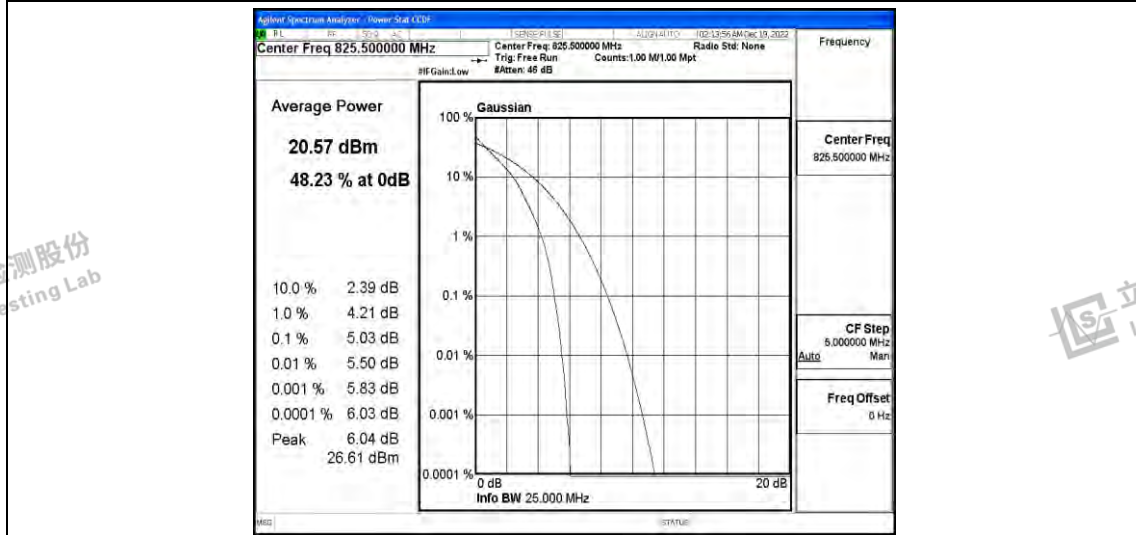


Band5-1.4MHz-16QAM-20643-6RB#0

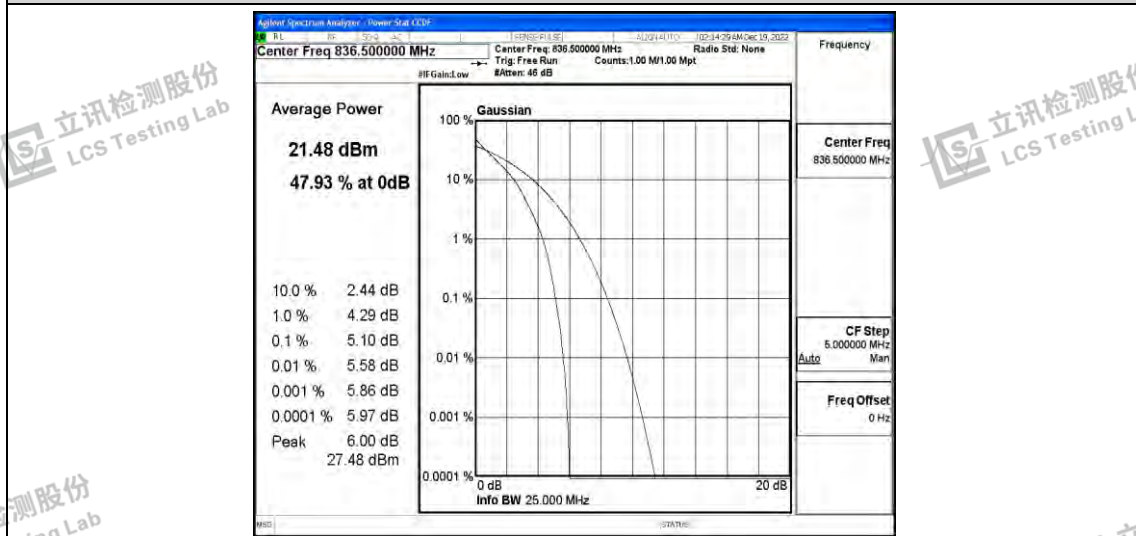




Band5-3MHz-QPSK-20415-15RB#0

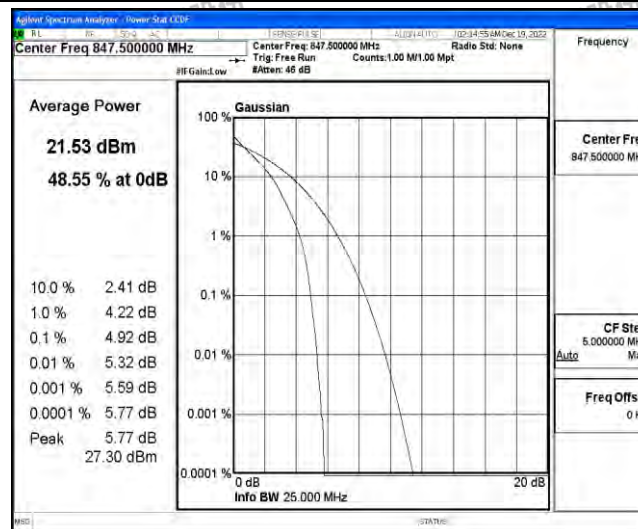


Band5-3MHz-QPSK-20525-15RB#0

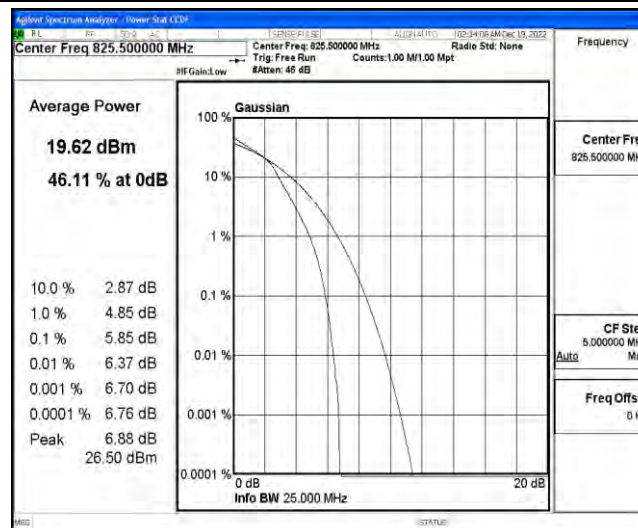


Band5-3MHz-QPSK-20635-15RB#0

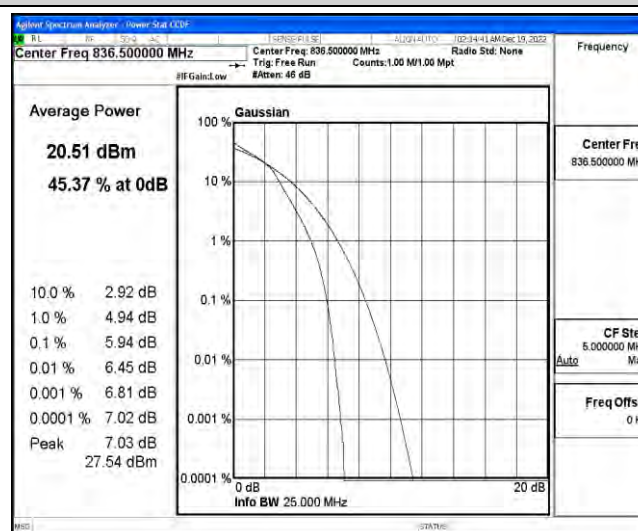




Band5-3MHz-16QAM-20415-15RB#0

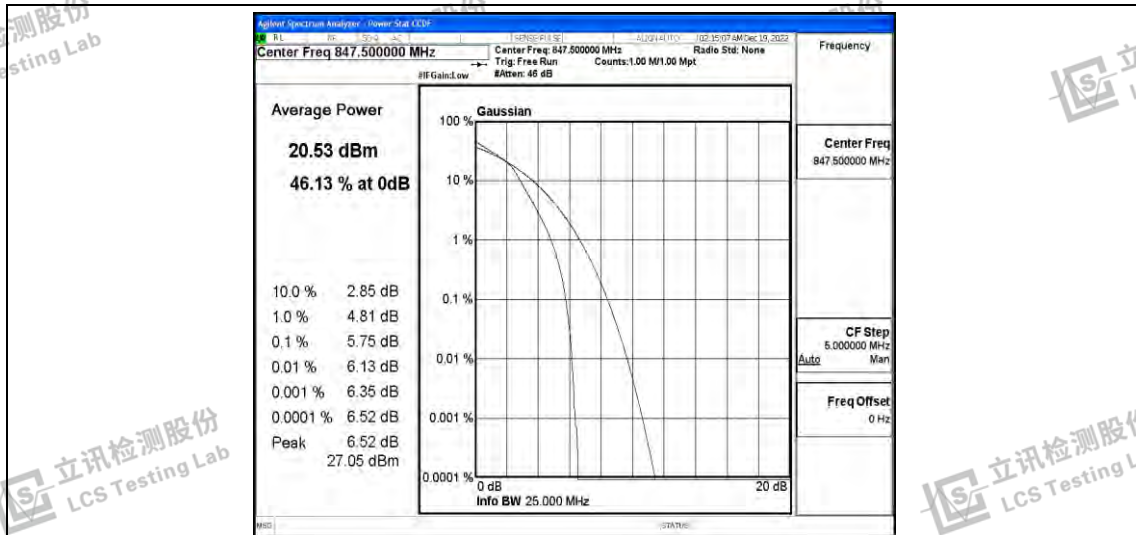


Band5-3MHz-16QAM-20525-15RB#0

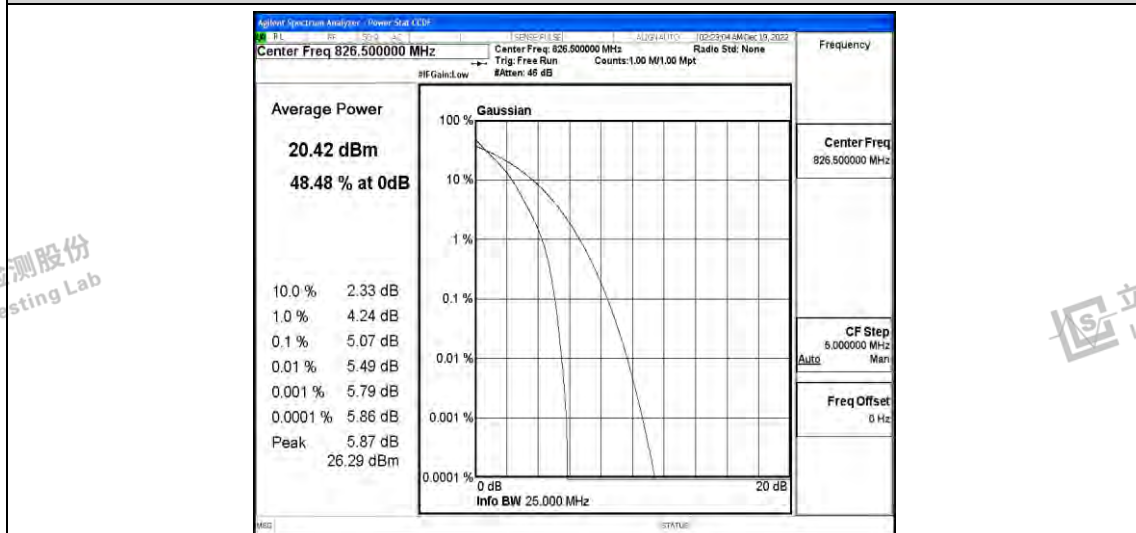


Band5-3MHz-16QAM-20635-15RB#0

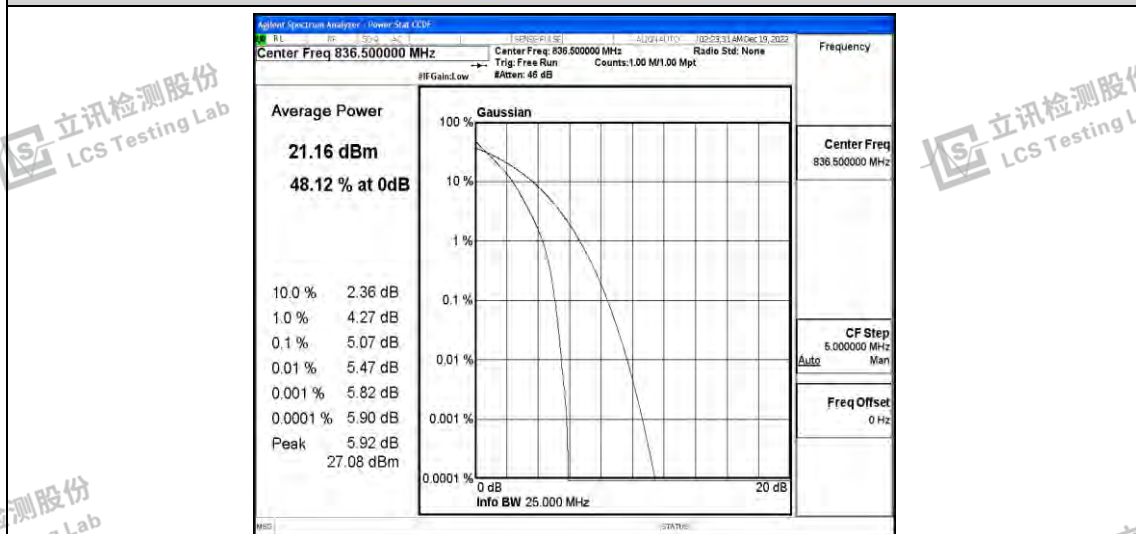




Band5-5MHz-QPSK-20425-25RB#0

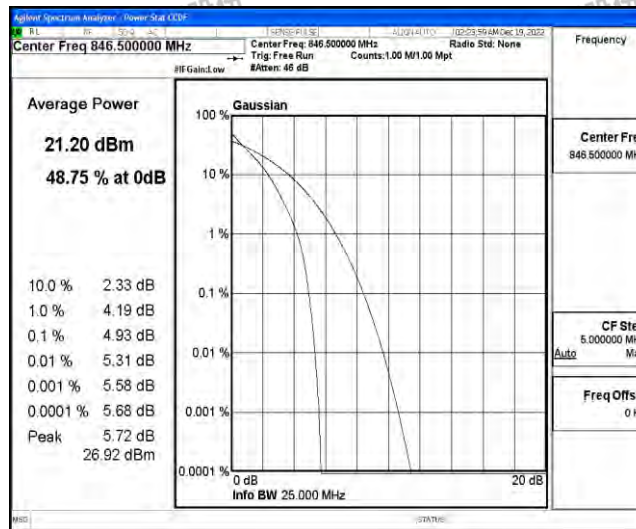


Band5-5MHz-QPSK-20525-25RB#0

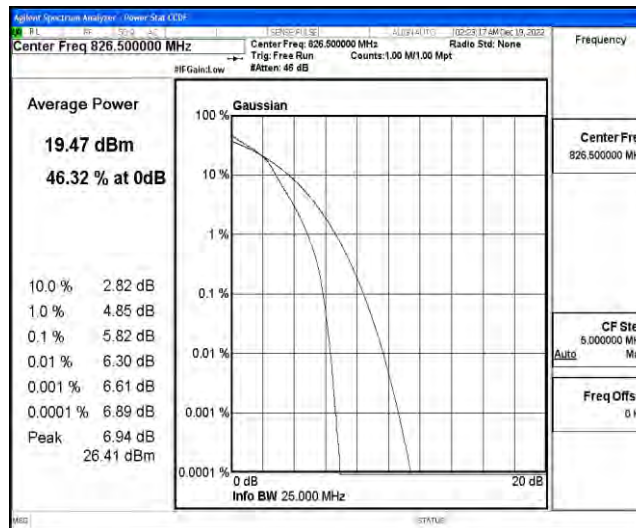


Band5-5MHz-QPSK-20625-25RB#0

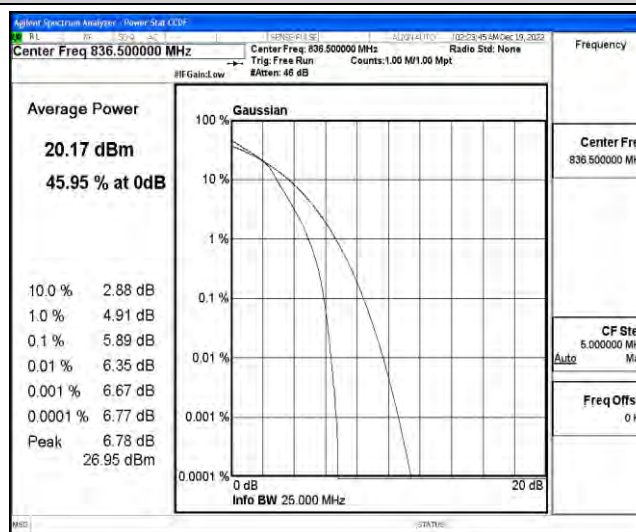




Band5-5MHz-16QAM-20425-25RB#0

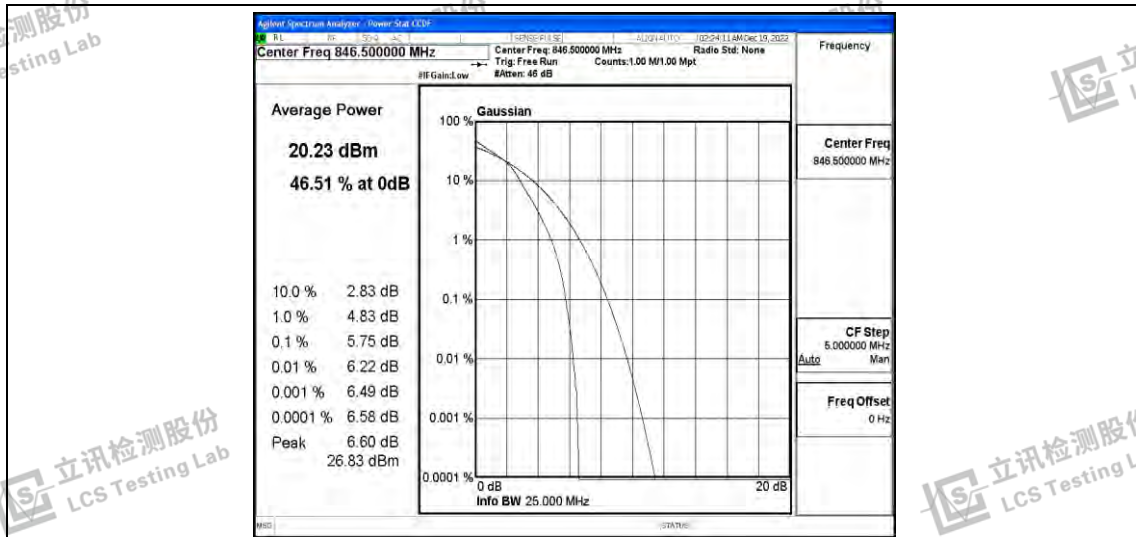


Band5-5MHz-16QAM-20525-25RB#0

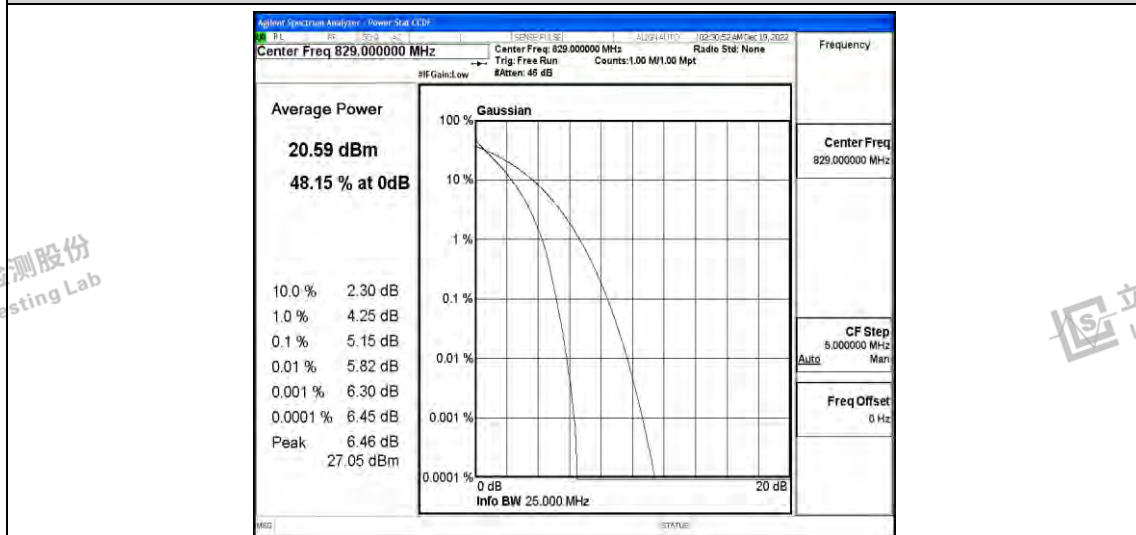


Band5-5MHz-16QAM-20625-25RB#0

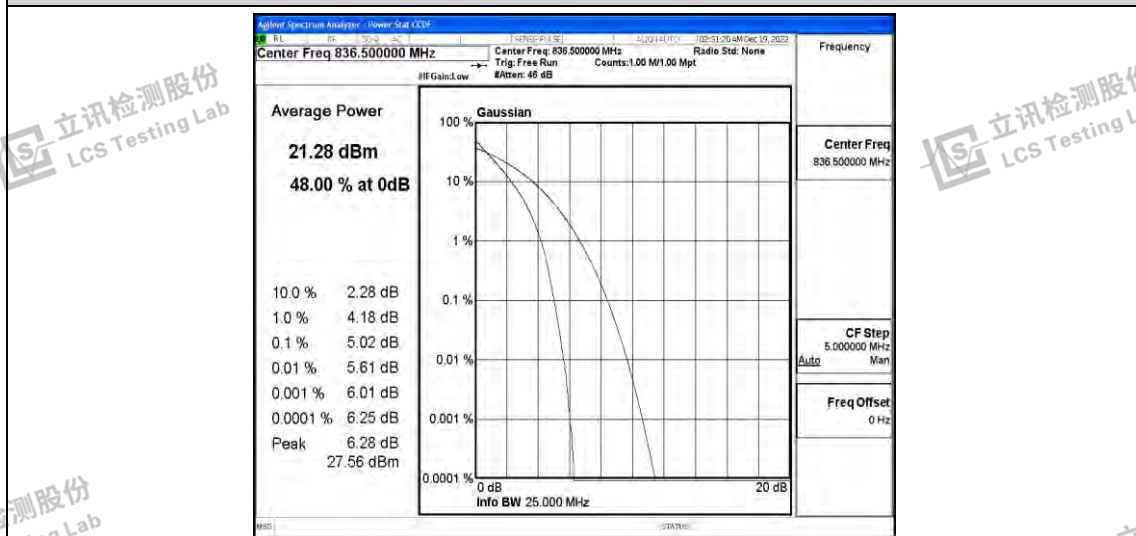




Band5-10MHz-QPSK-20450-50RB#0

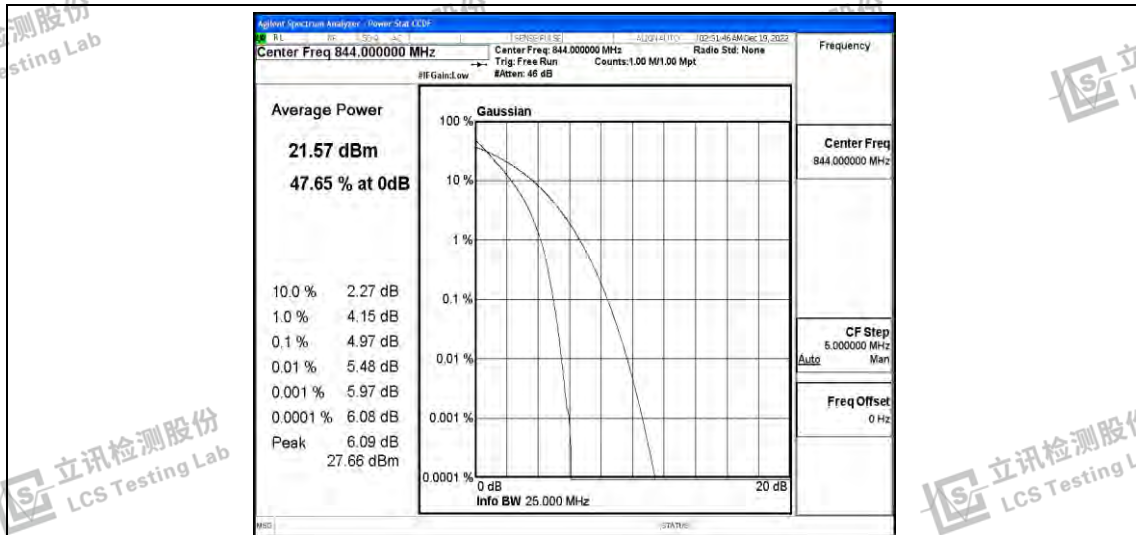


Band5-10MHz-QPSK-20525-50RB#0

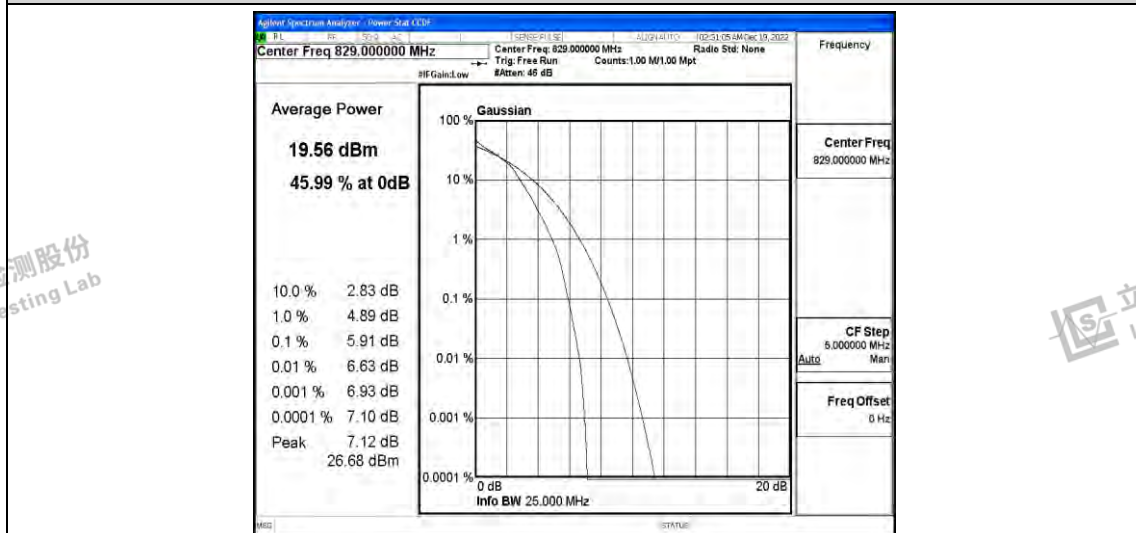


Band5-10MHz-QPSK-20600-50RB#0

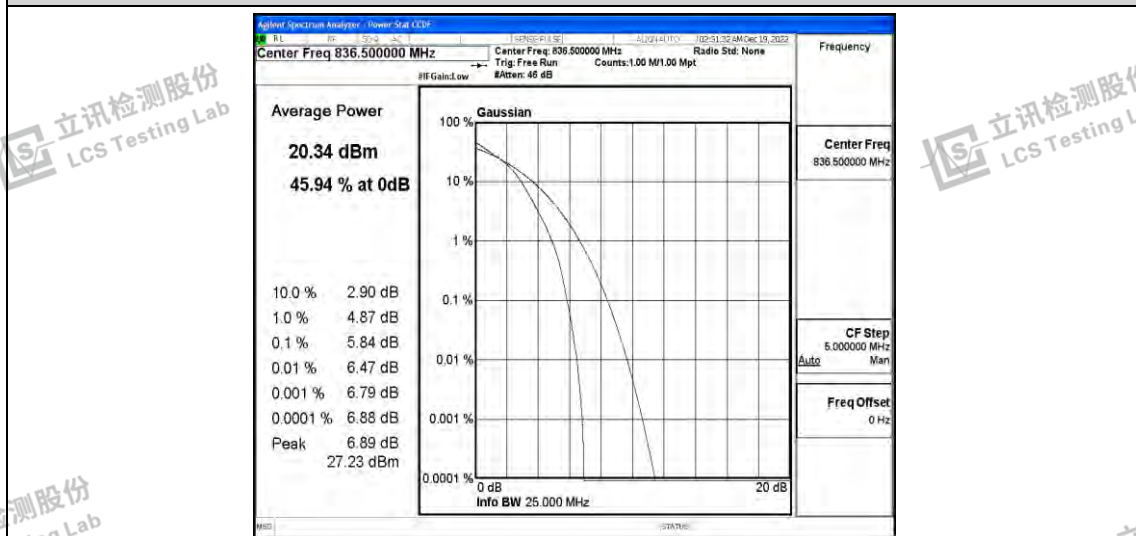




Band5-10MHz-16QAM-20450-50RB#0

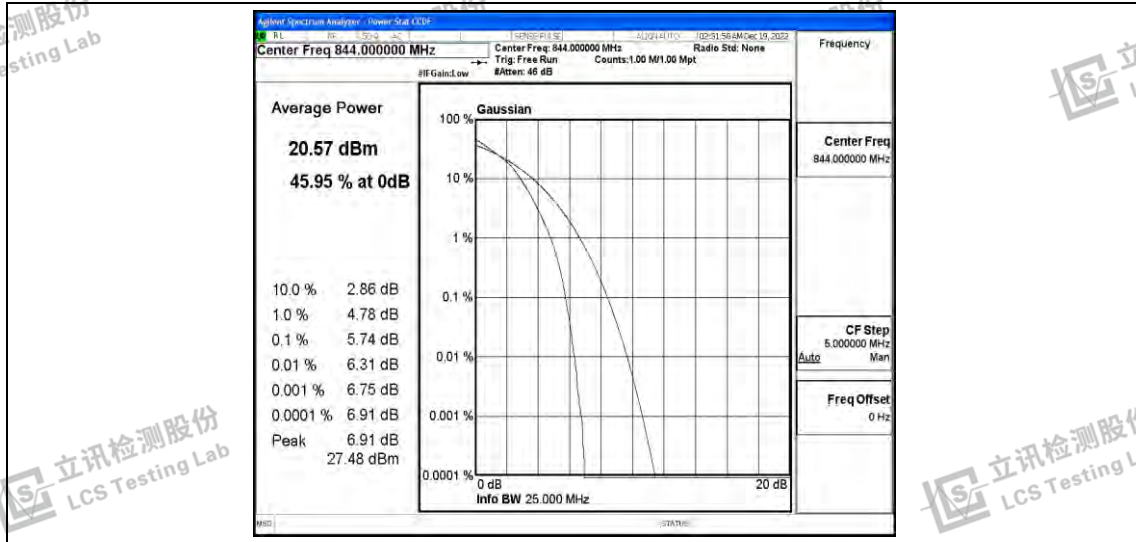


Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0







J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

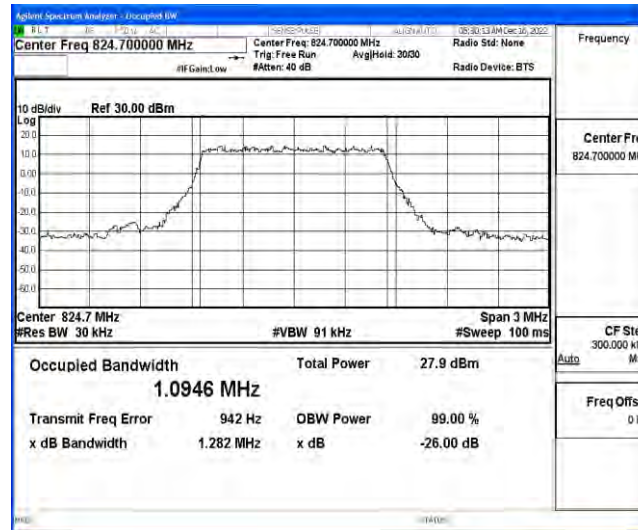
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0946	1.282	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0998	1.282	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0944	1.295	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0966	1.294	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0977	1.281	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0890	1.291	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7033	2.950	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6988	2.972	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6940	2.970	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6881	2.972	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6926	2.974	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6936	2.967	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5120	5.024	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5232	5.018	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5008	4.984	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5080	4.987	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5030	4.961	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5201	5.039	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0160	9.977	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9650	9.967	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9879	9.947	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9908	9.849	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9601	9.829	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9936	9.842	PASS



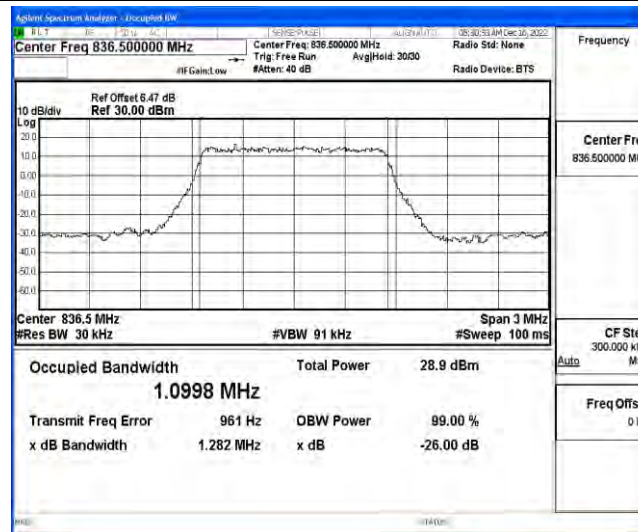


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

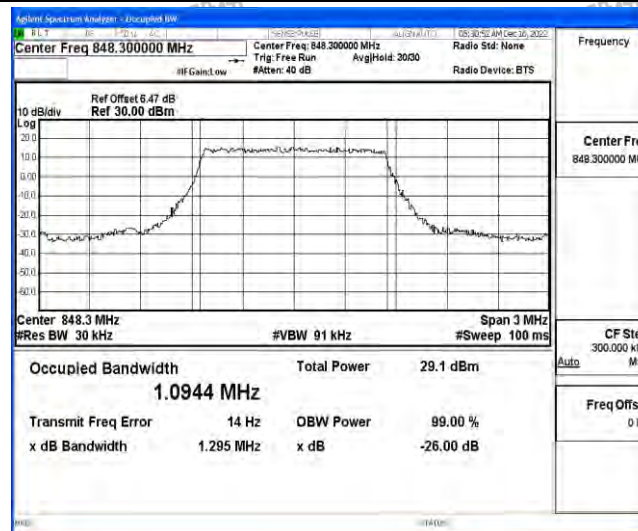


Band5-1.4MHz-QPSK-20525-6RB#0

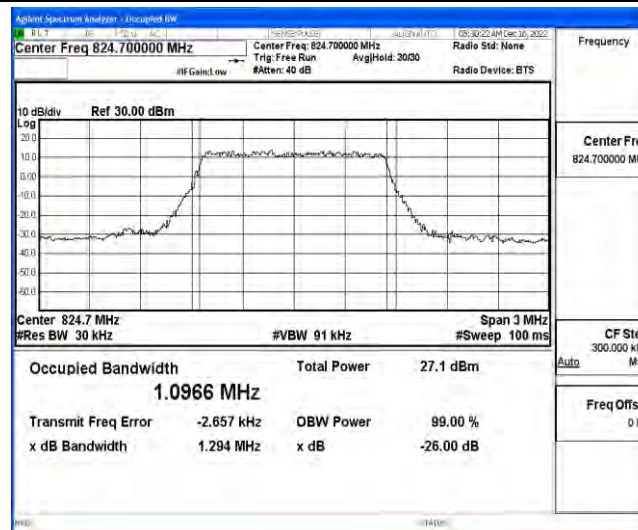


Band5-1.4MHz-QPSK-20643-6RB#0

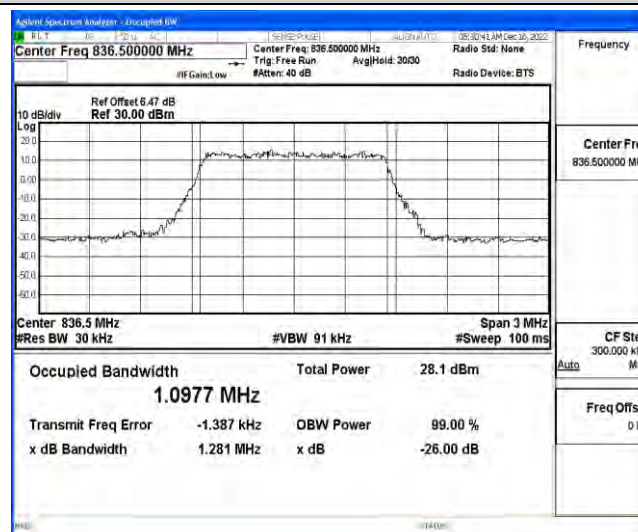




Band5-1.4MHz-16QAM-20407-6RB#0

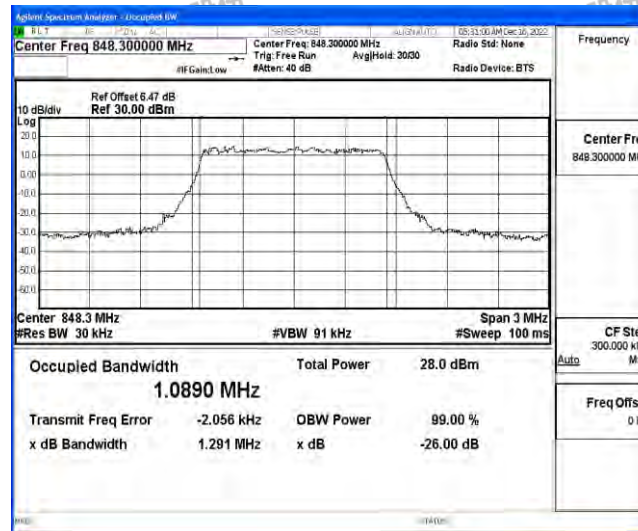


Band5-1.4MHz-16QAM-20525-6RB#0

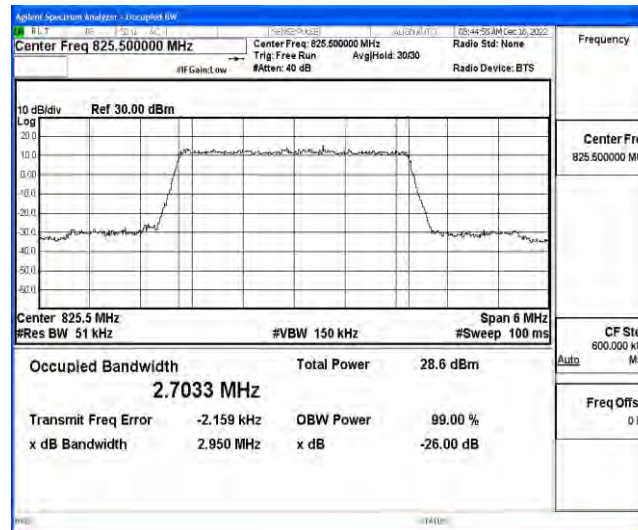


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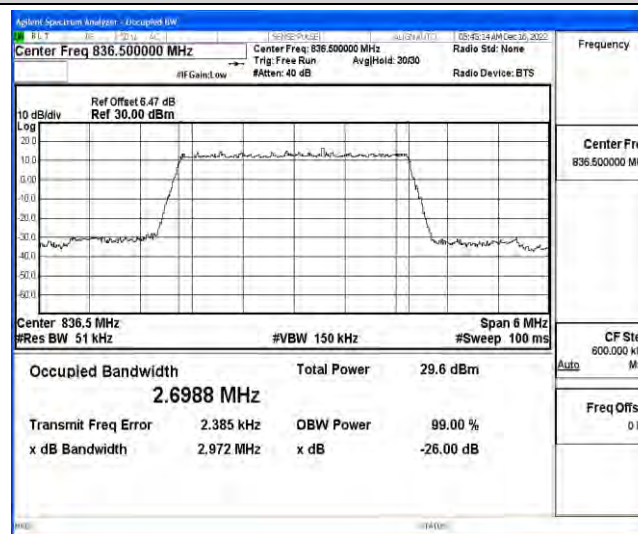




Band5-3MHz-QPSK-20415-15RB#0

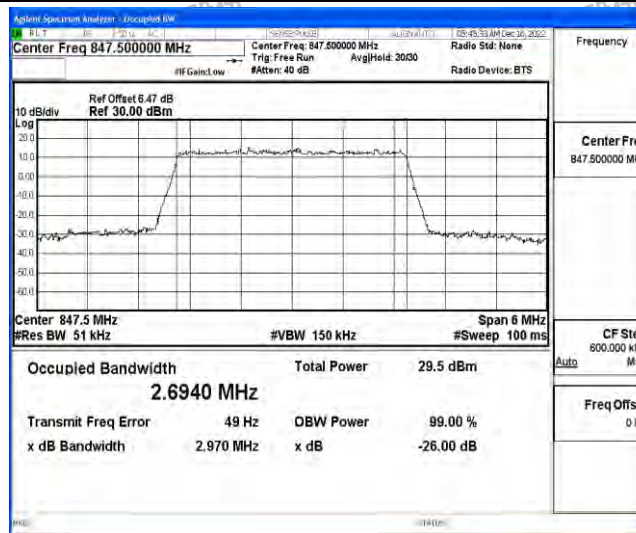


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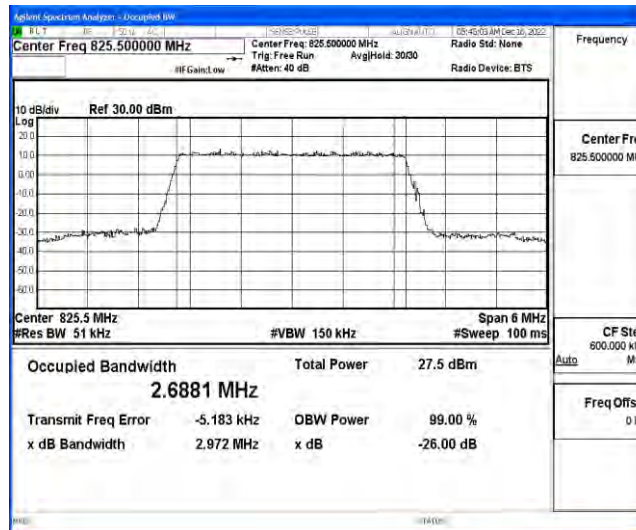


Band5-3MHz-QPSK-20635-15RB#0

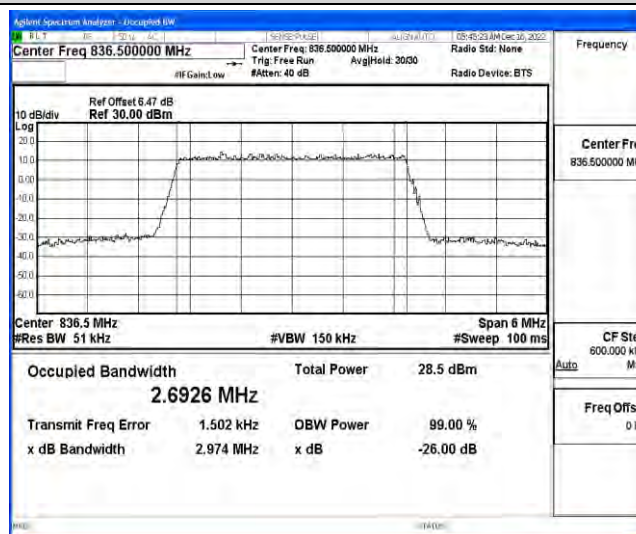




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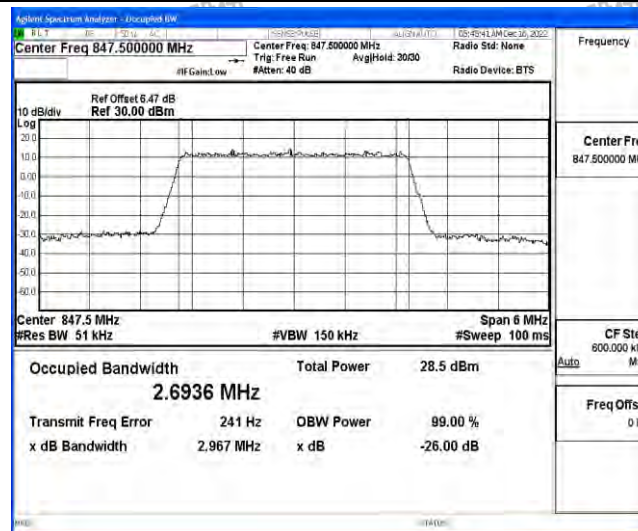


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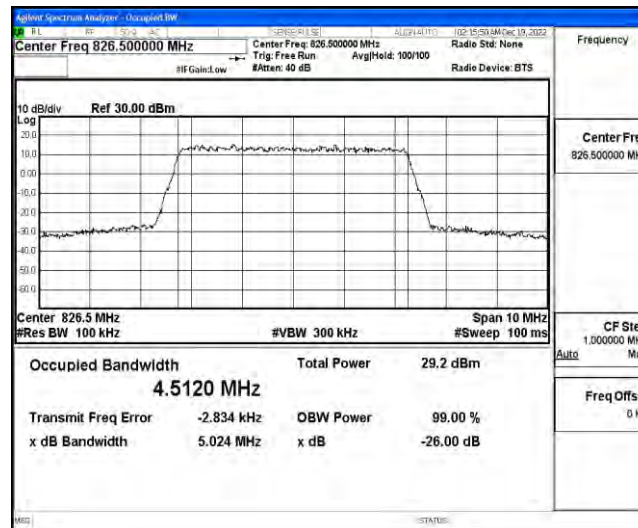


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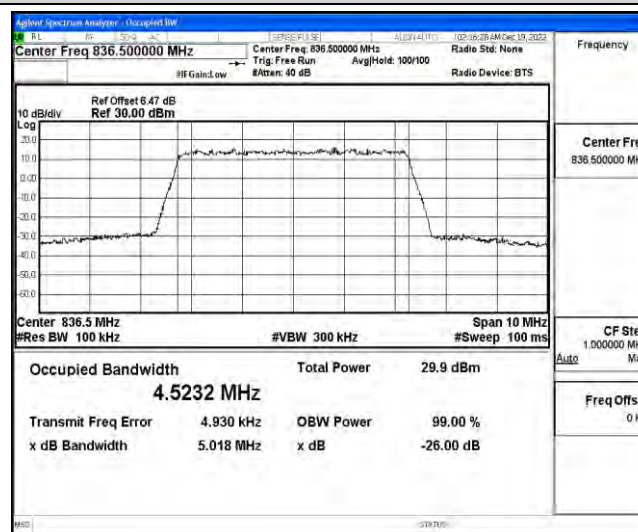




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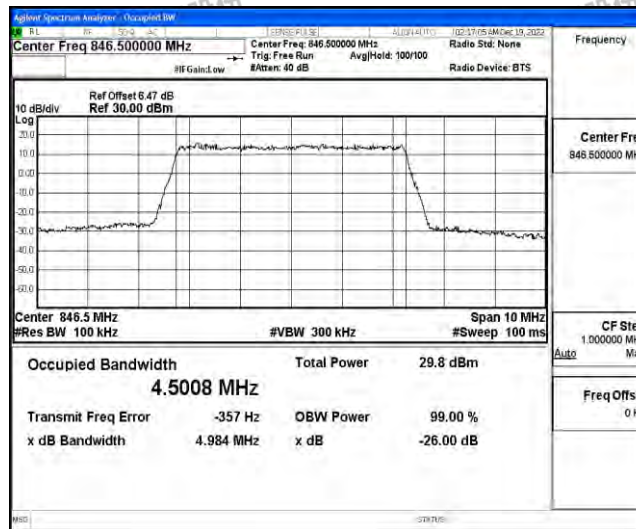


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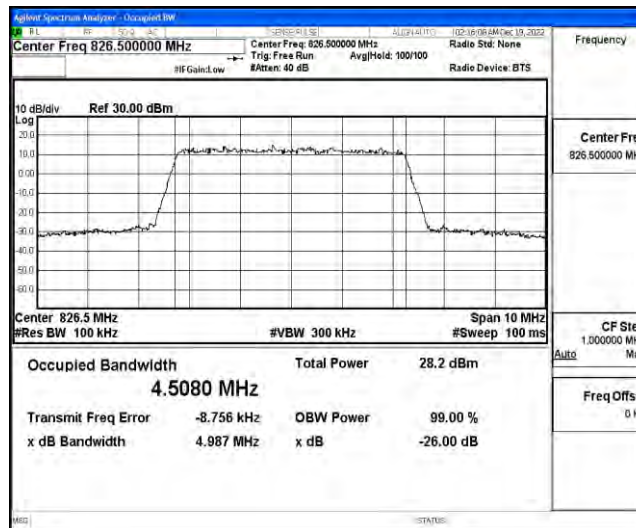


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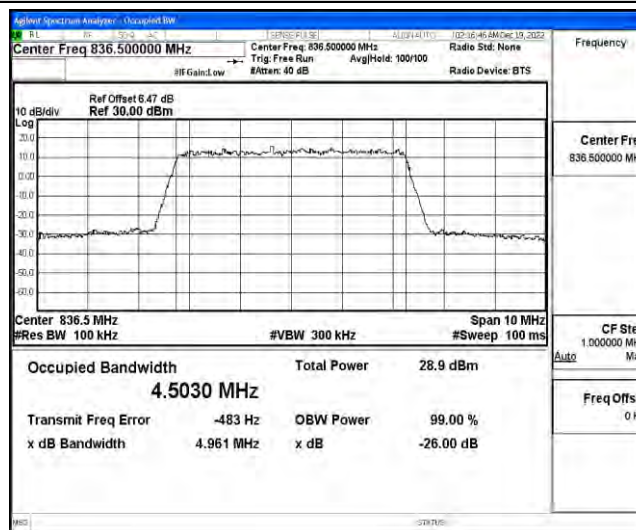




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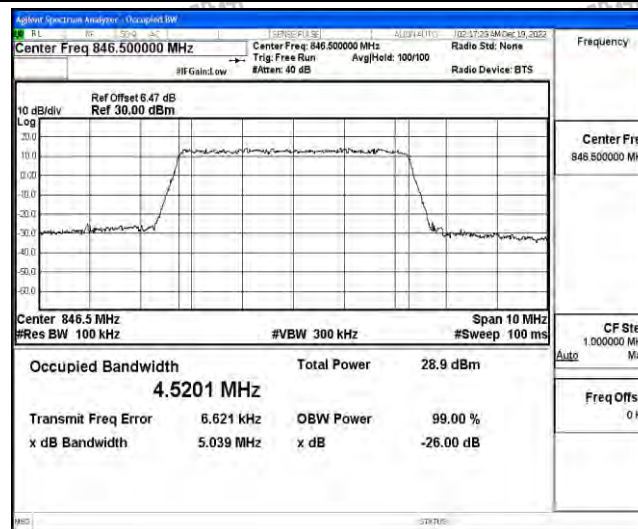


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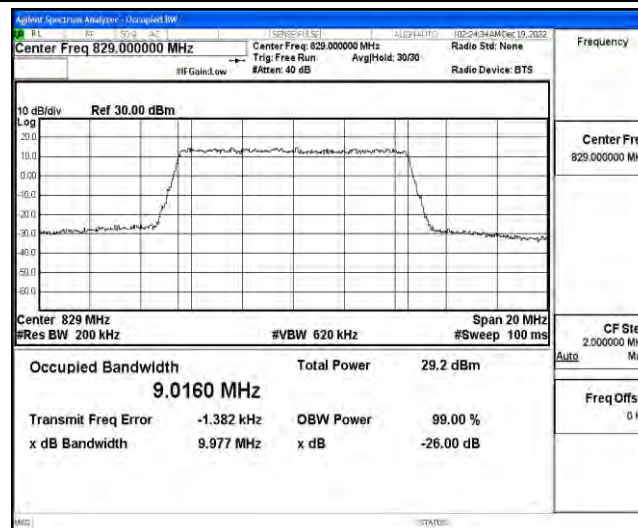


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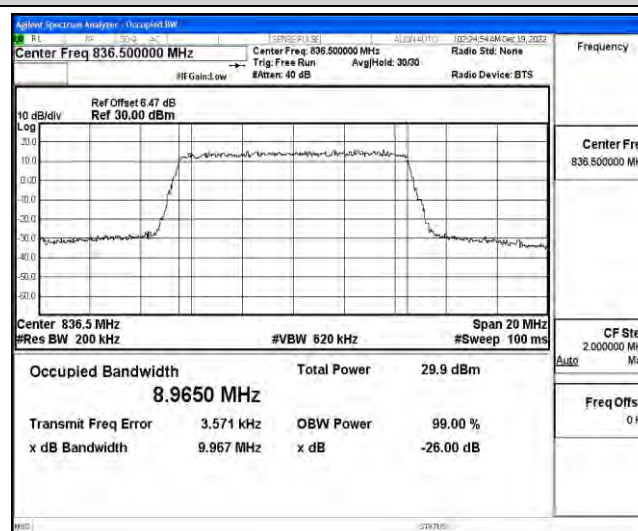




Band5-10MHz-QPSK-20450-50RB#0

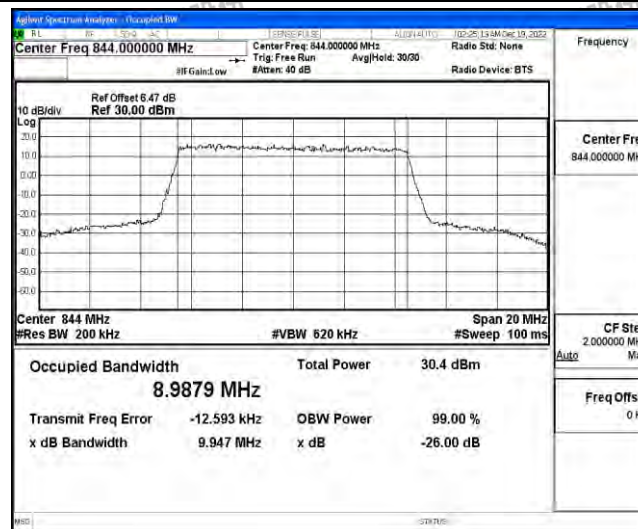


Band5-10MHz-QPSK-20525-50RB#0

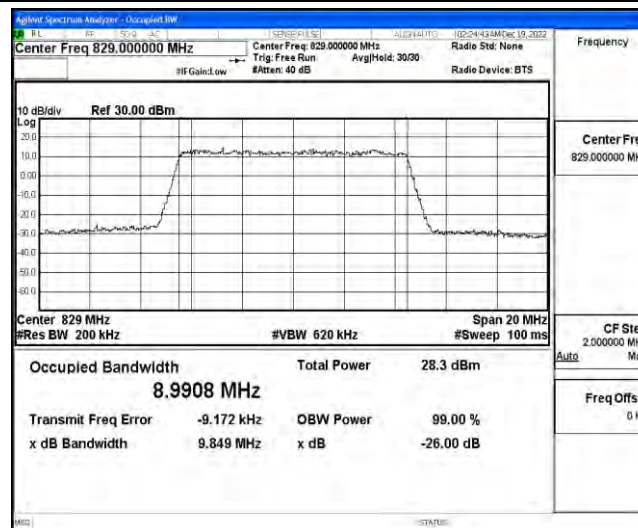


Band5-10MHz-QPSK-20600-50RB#0

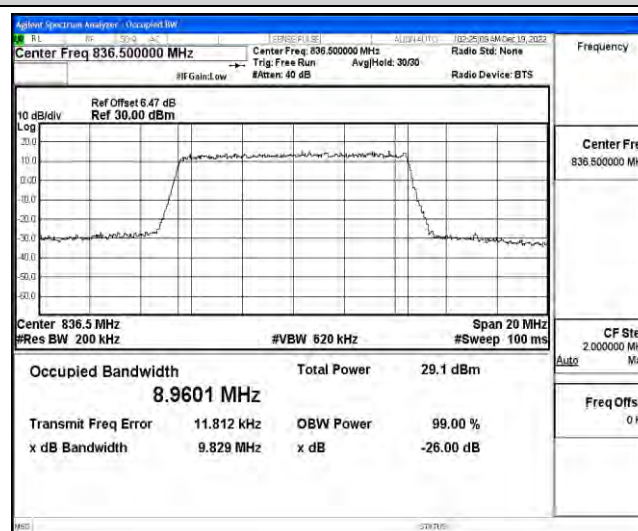




Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0





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518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

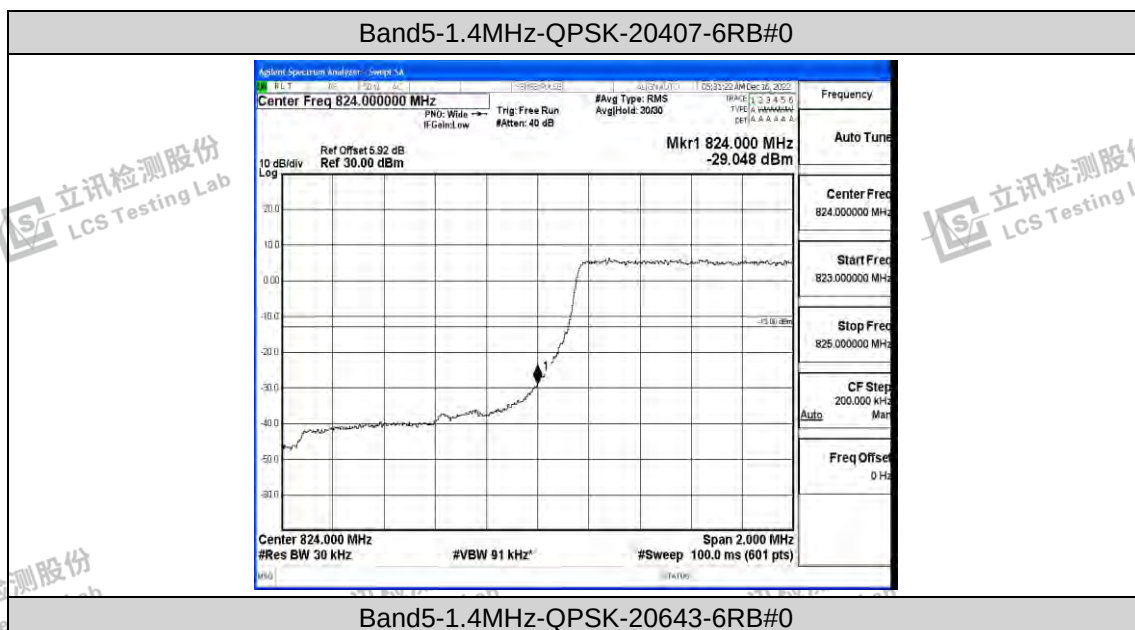


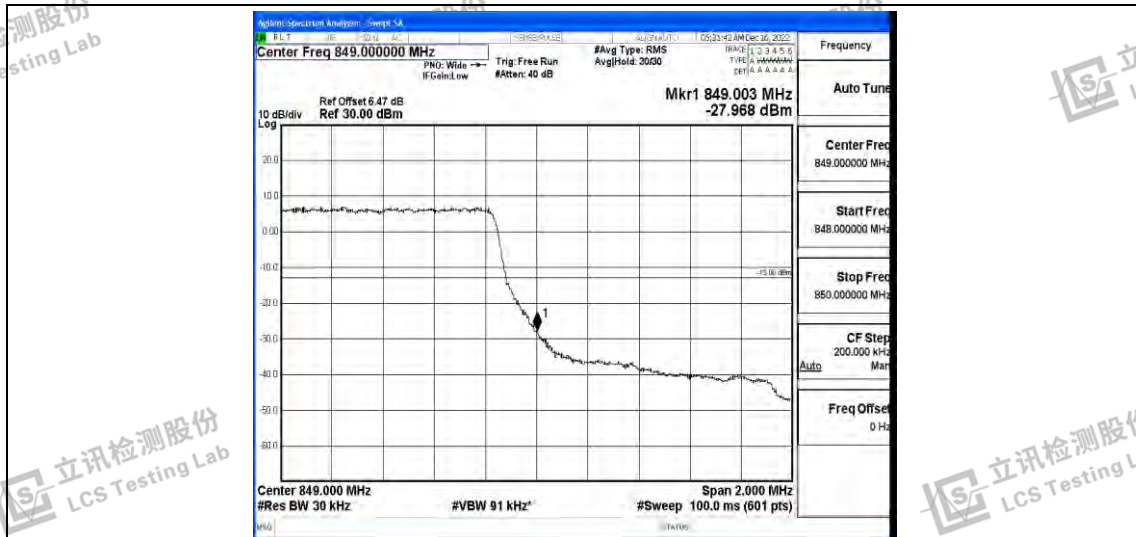
J.4 Band Edge

Test Result

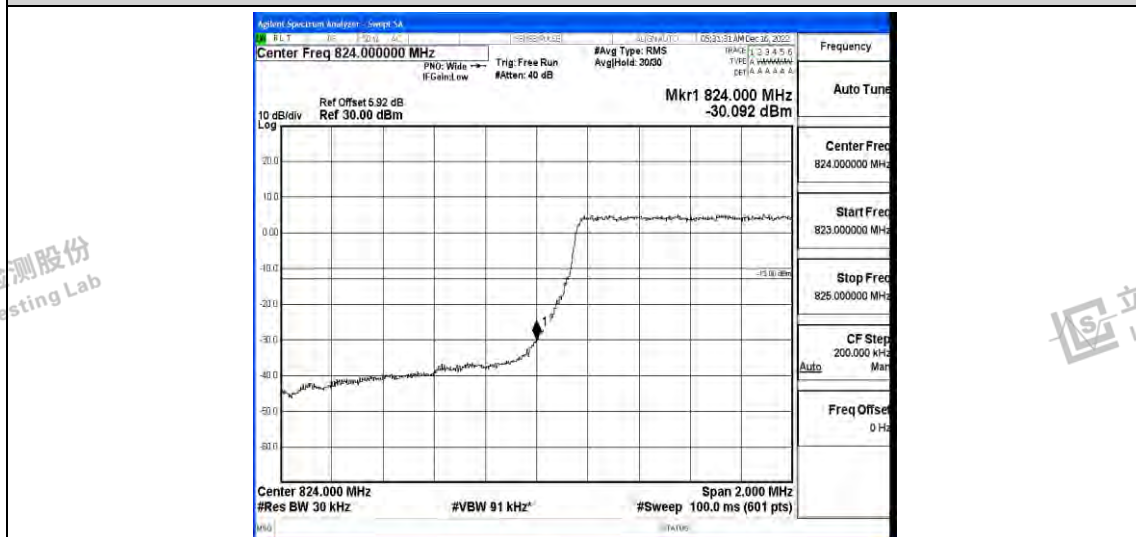
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-29.05	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-27.97	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.09	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.85	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.11	PASS
Band5	3MHz	QPSK	20635	15RB#0	-27.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	-28.21	PASS
Band5	3MHz	16QAM	20635	15RB#0	-26.89	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.46	PASS
Band5	5MHz	QPSK	20625	25RB#0	-26.25	PASS
Band5	5MHz	16QAM	20425	25RB#0	-28.24	PASS
Band5	5MHz	16QAM	20625	25RB#0	-28.23	PASS
Band5	10MHz	QPSK	20450	50RB#0	-28.76	PASS
Band5	10MHz	QPSK	20600	50RB#0	-28.19	PASS
Band5	10MHz	16QAM	20450	50RB#0	-30.92	PASS
Band5	10MHz	16QAM	20600	50RB#0	-29.91	PASS

Test Graphs

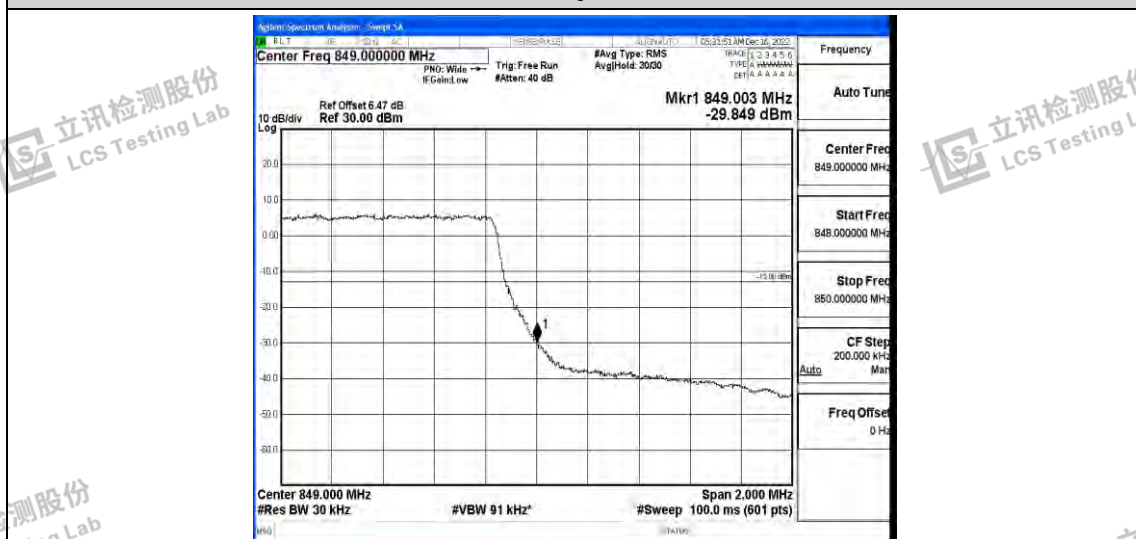




Band5-1.4MHz-16QAM-20407-6RB#0

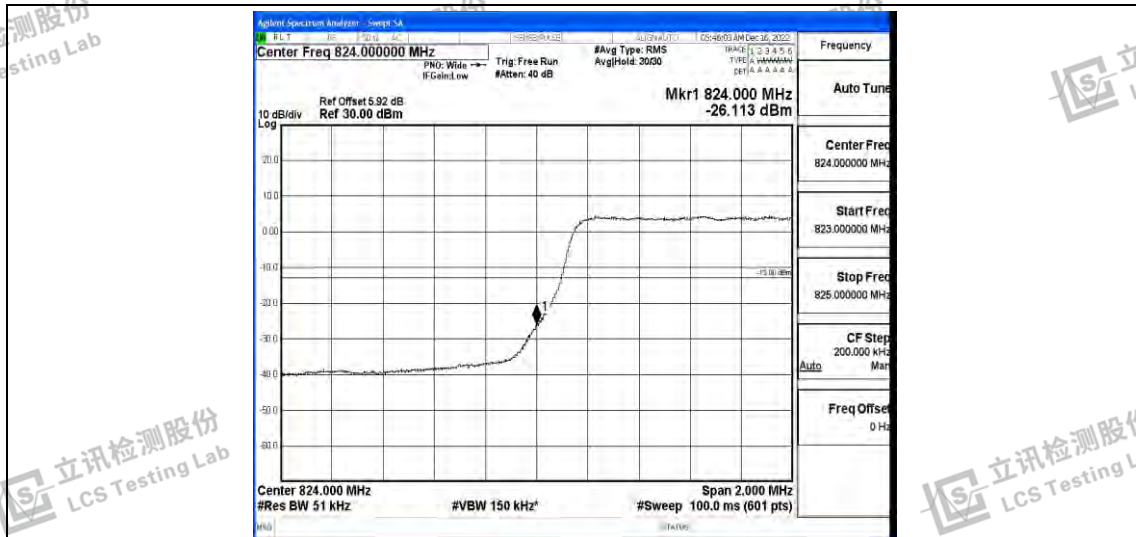


Band5-1.4MHz-16QAM-20643-6RB#0

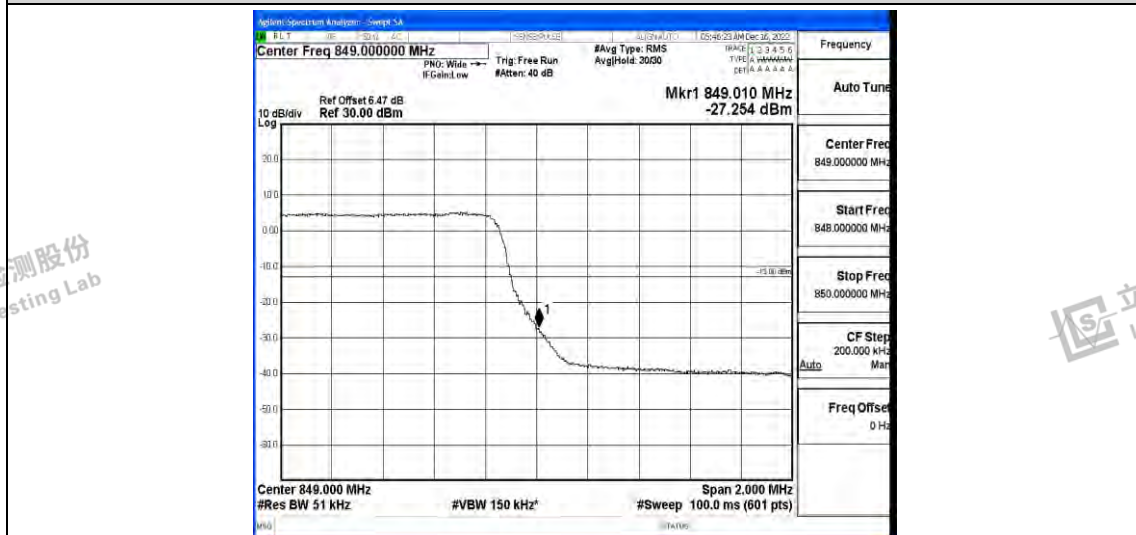


Band5-3MHz-QPSK-20415-15RB#0

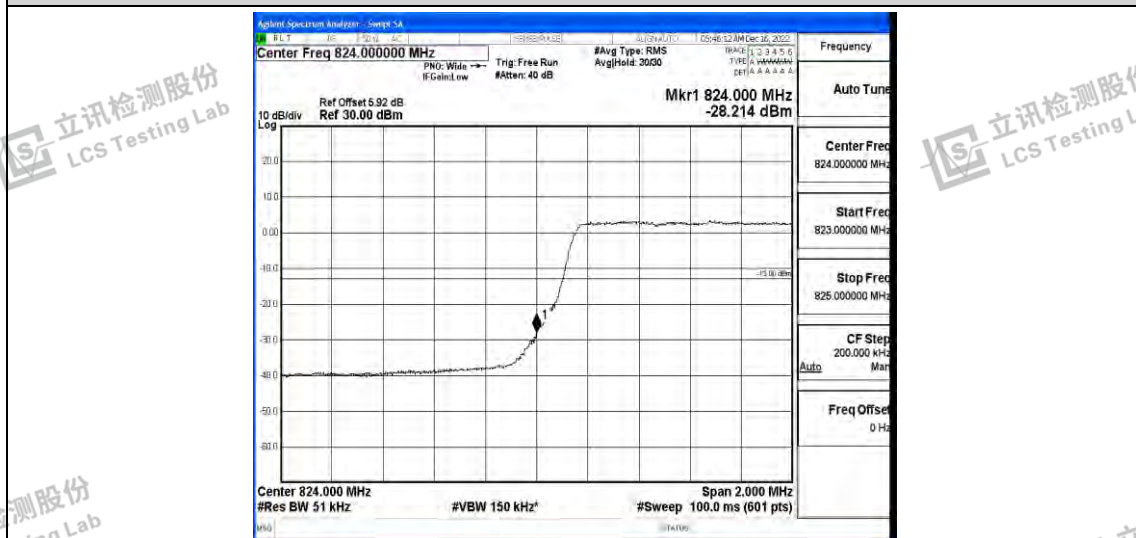




Band5-3MHz-QPSK-20635-15RB#0

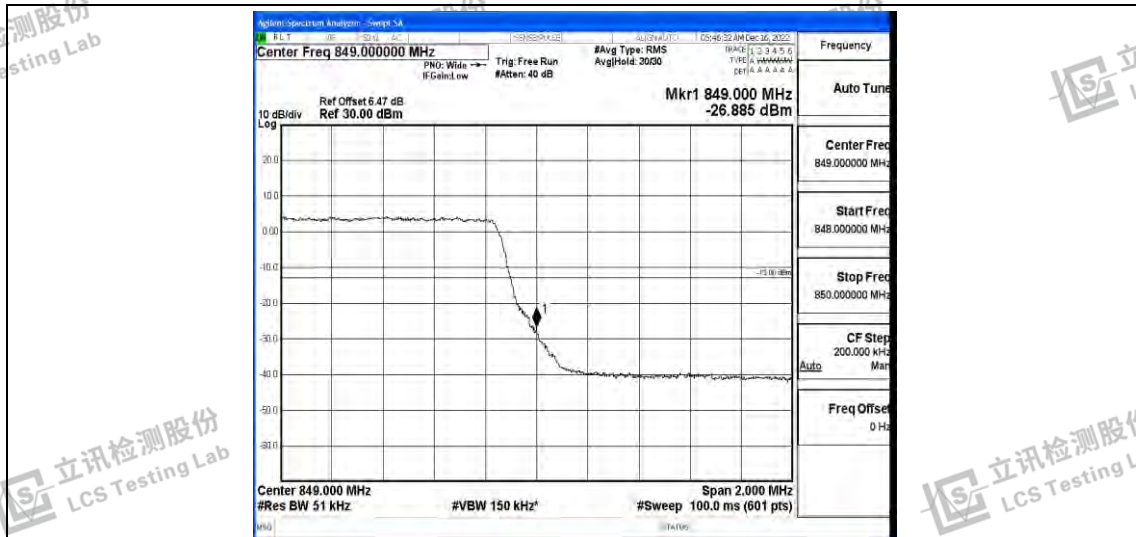


Band5-3MHz-16QAM-20415-15RB#0

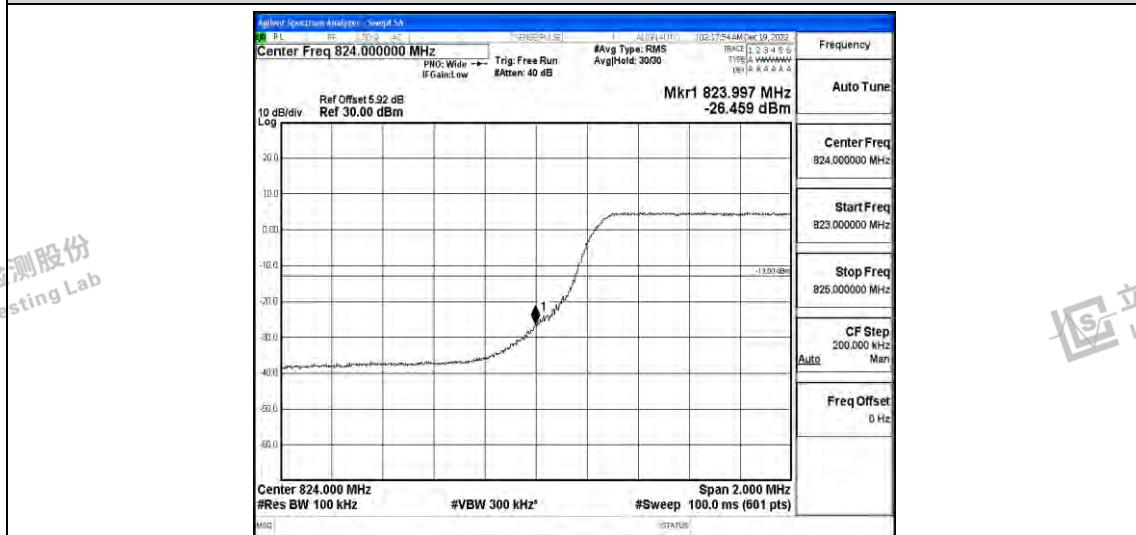


Band5-3MHz-16QAM-20635-15RB#0

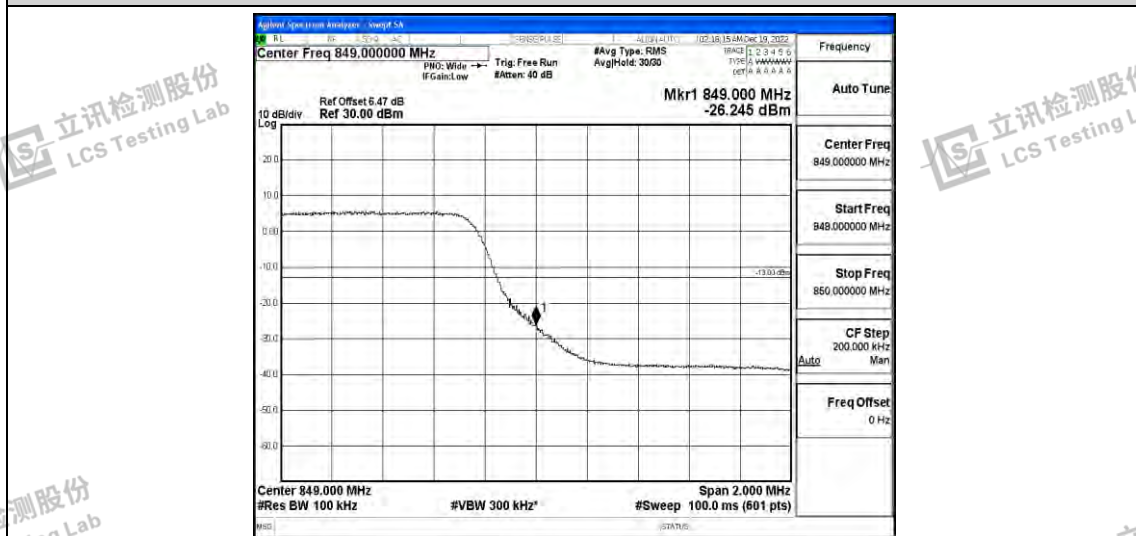




Band5-5MHz-QPSK-20425-25RB#0

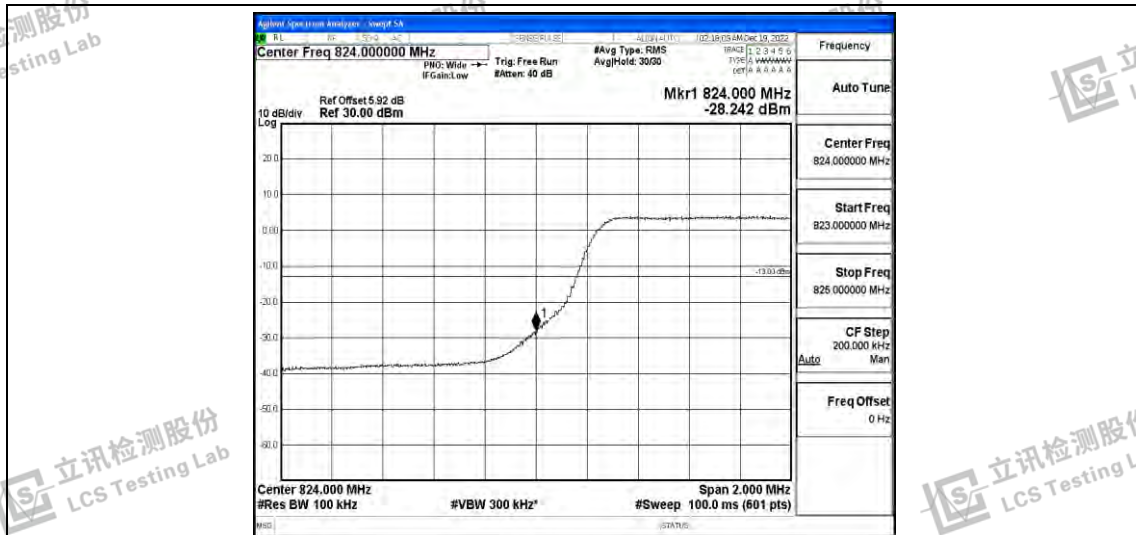


Band5-5MHz-QPSK-20625-25RB#0

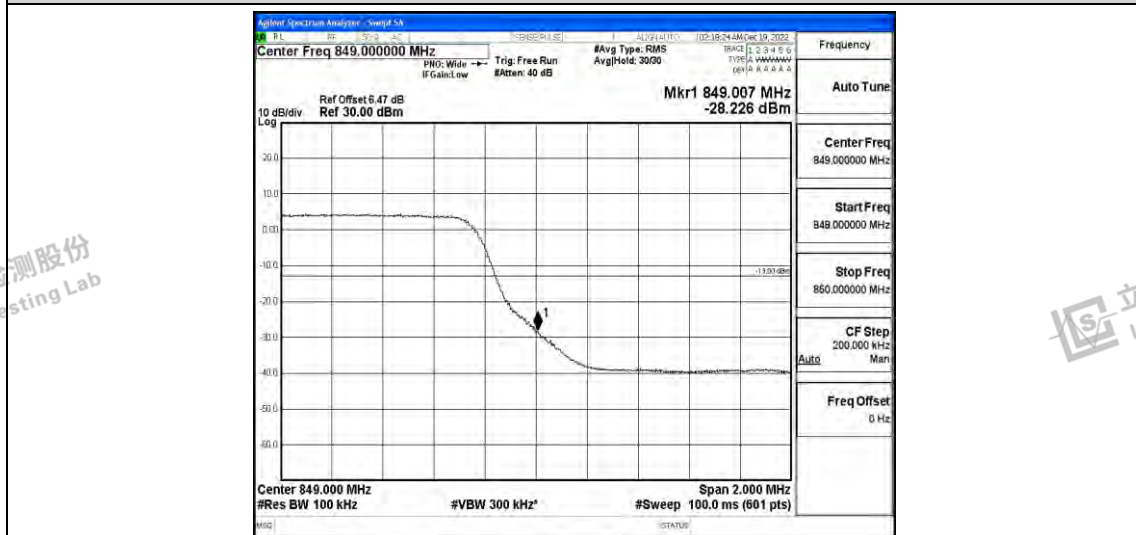


Band5-5MHz-16QAM-20425-25RB#0

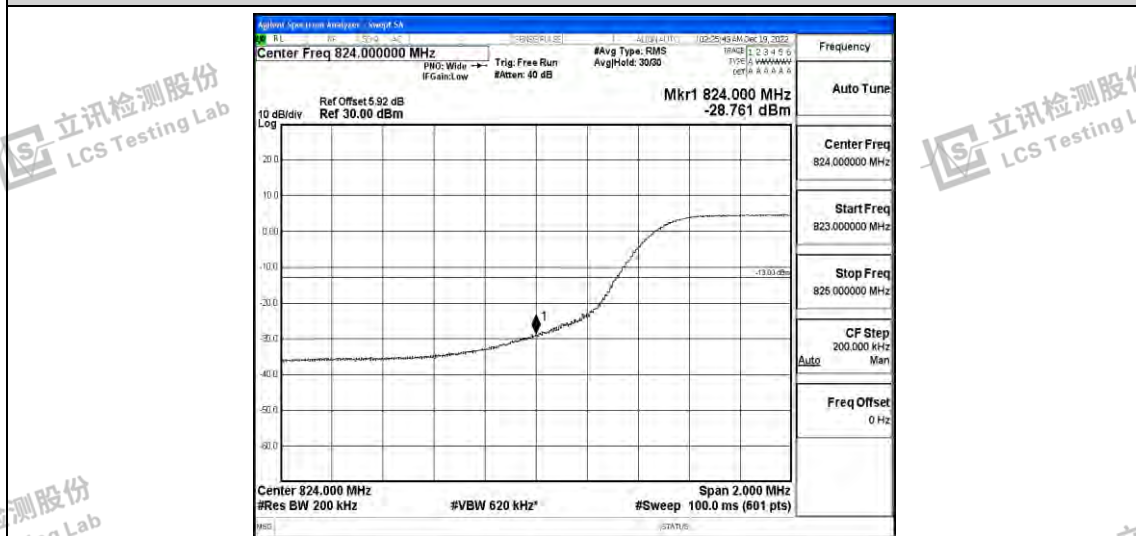




Band5-5MHz-16QAM-20625-25RB#0

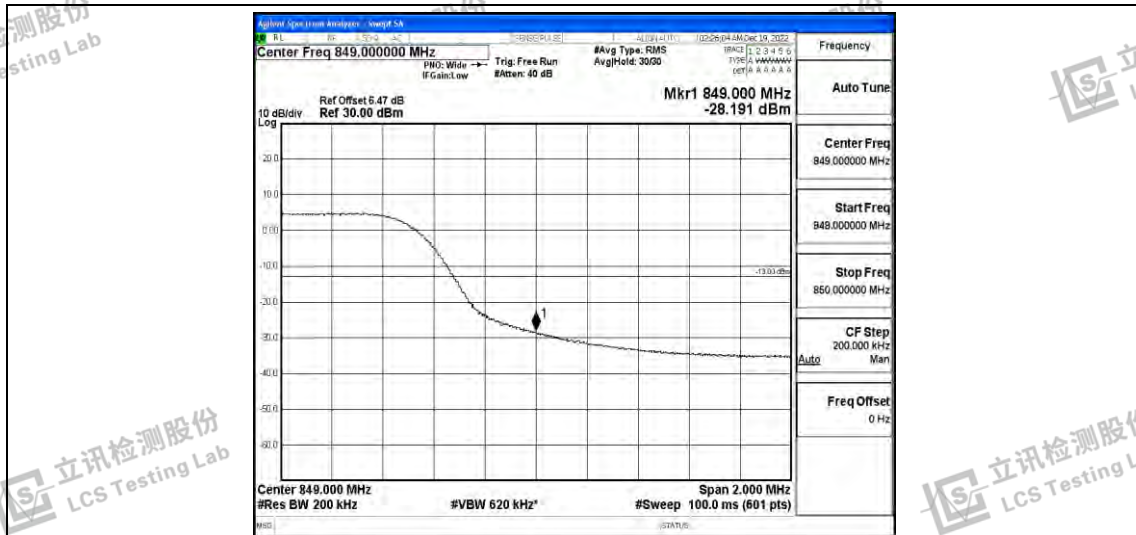


Band5-10MHz-QPSK-20450-50RB#0

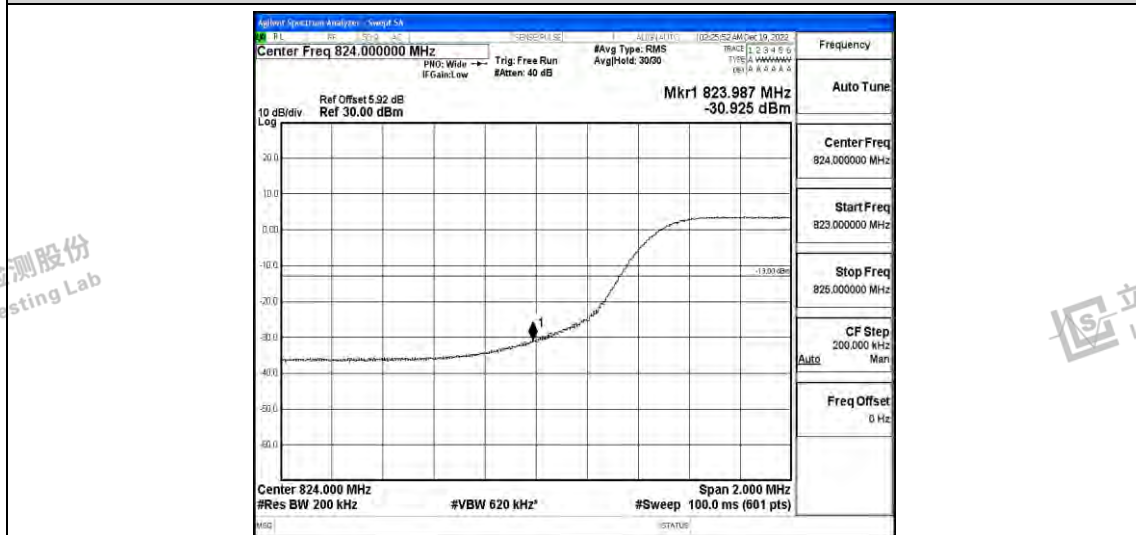


Band5-10MHz-QPSK-20600-50RB#0

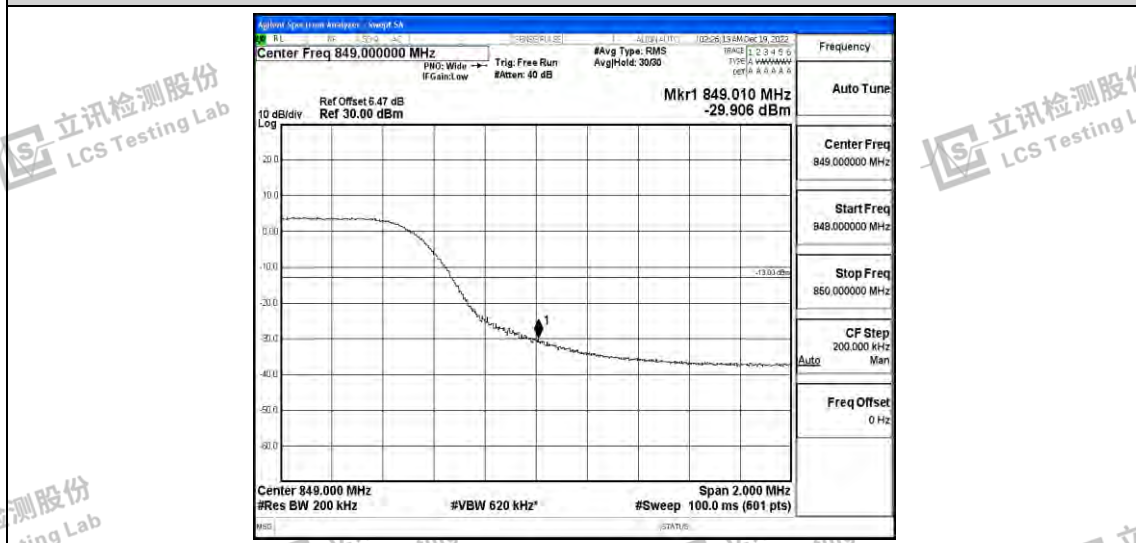




Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-50RB#0





J.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-55.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-50.22	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-40.72	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-44.62	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.73	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.89	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.61	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-56.84	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-50.58	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-41.37	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-44.53	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-54.63	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-52.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-41.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-44.75	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.23	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.85	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.74	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-55.65	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-50.65	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-44.66	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-56.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-50.97	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-41.94	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-44.55	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.18	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.29	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.97	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-56.3	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-52.19	PASS





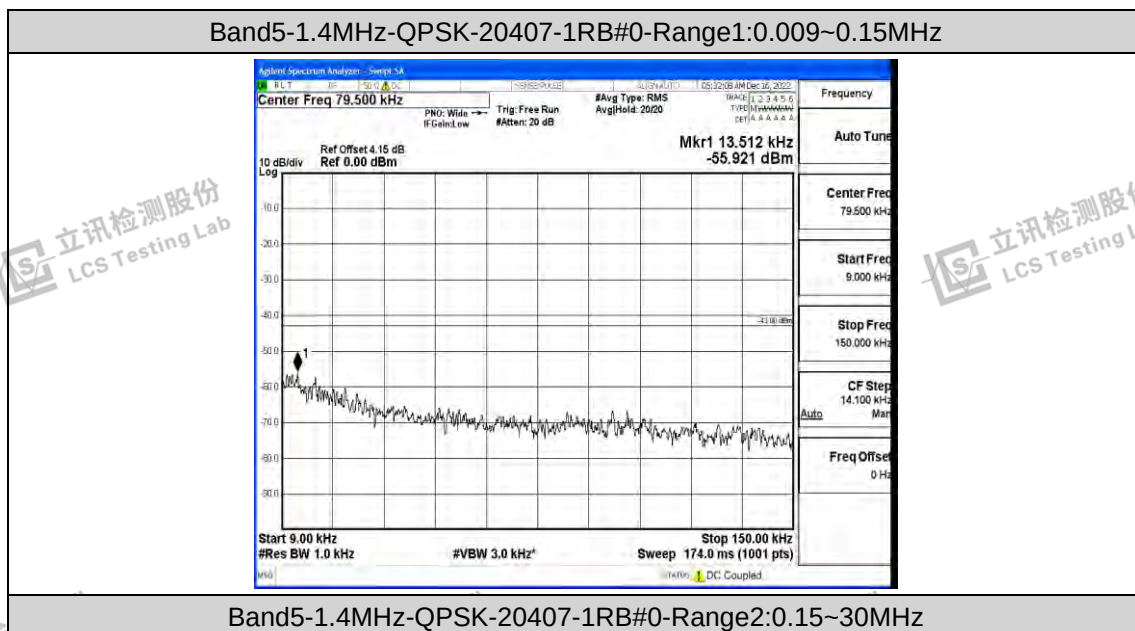
Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-40.71	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-44.72	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-56.11	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-51.07	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-40	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-44.71	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.88	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.09	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.61	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-55.72	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-52.66	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-41.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-44.59	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-55.12	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-50.5	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-39.69	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-56.9	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.56	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.39	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-55.06	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-49.43	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-41.38	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-45.04	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-55.08	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-51.16	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-40.22	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-45	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.24	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.16	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.89	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.1	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-56.39	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-50.74	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-41.04	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-54.93	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-51.17	PASS

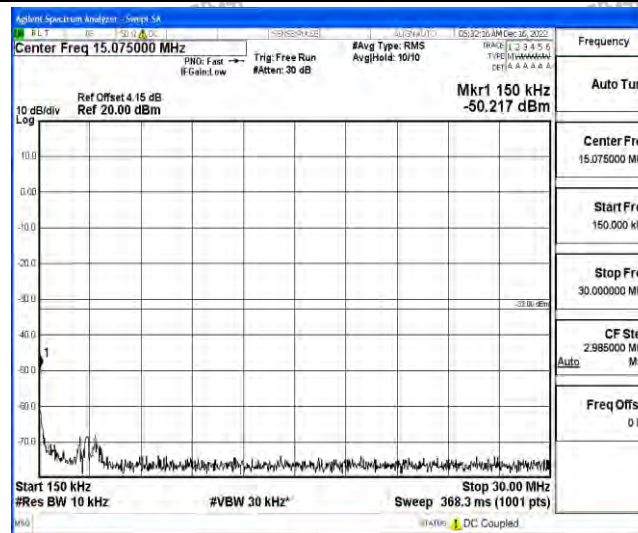




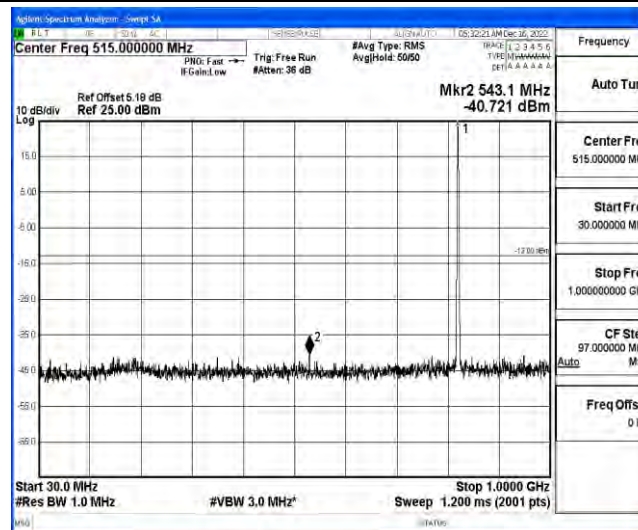
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-40.63	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.99	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.97	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.84	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.09	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-54.8	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-51.88	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-40.9	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:0.009~0.15MHz	-54.53	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:0.15~30MHz	-50.06	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-41.09	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-53.56	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-50.36	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.81	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:0.009~0.15MHz	-55.6	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-41.64	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-44.98	PASS

Test Graphs

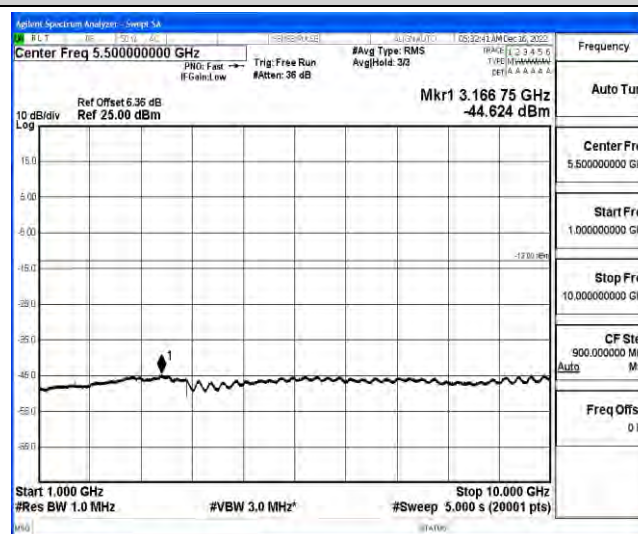




Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz

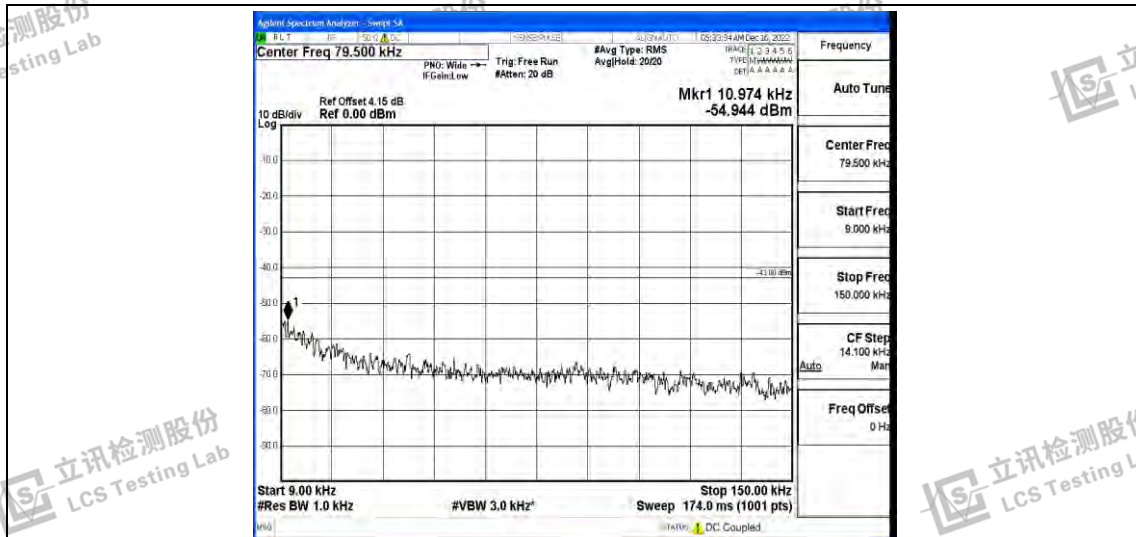


Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz

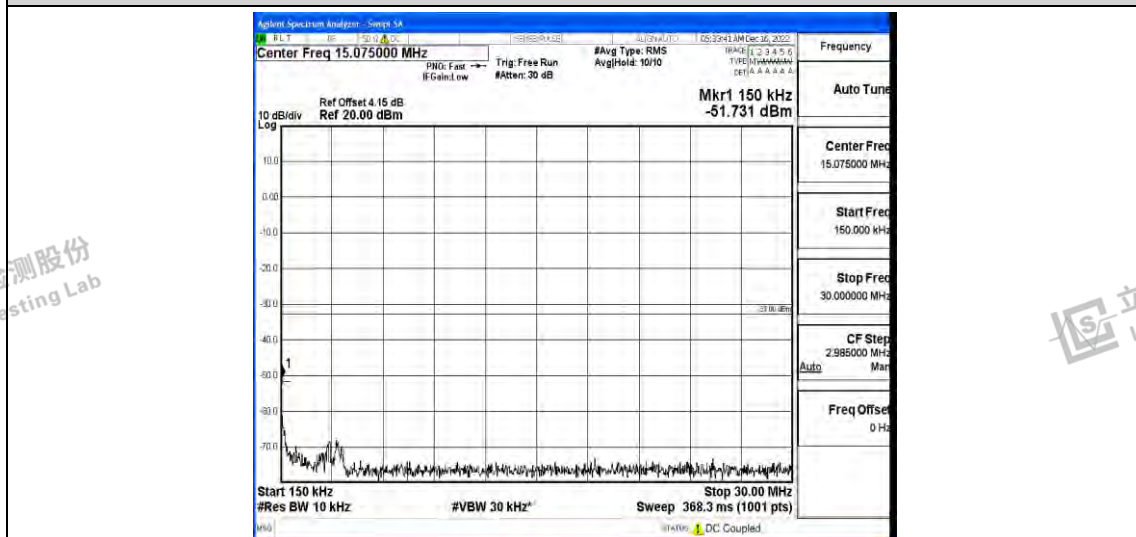


Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

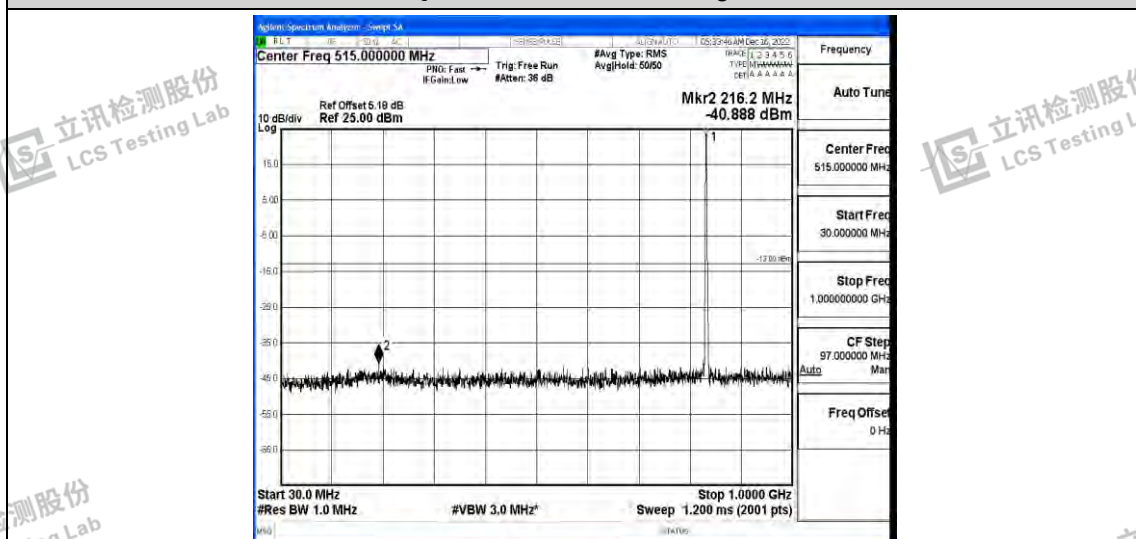




Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

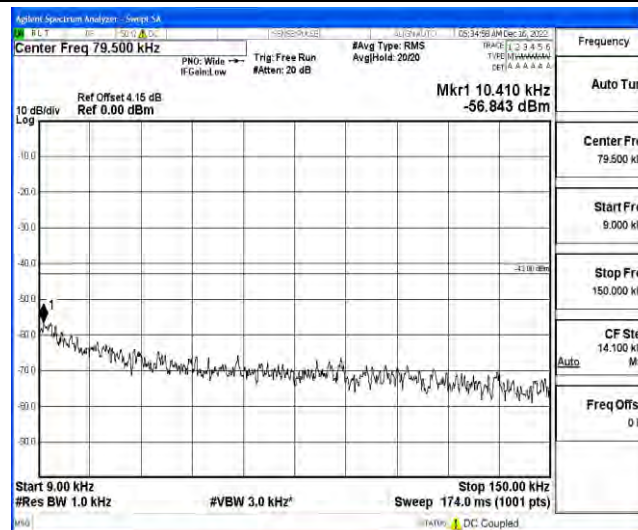


Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

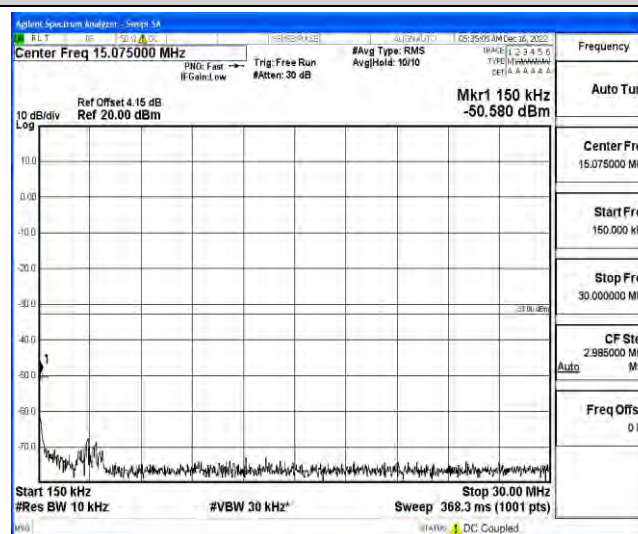




Band5-1.4MHz-QPSK-20643-1RB#0-Range1:0.009~0.15MHz

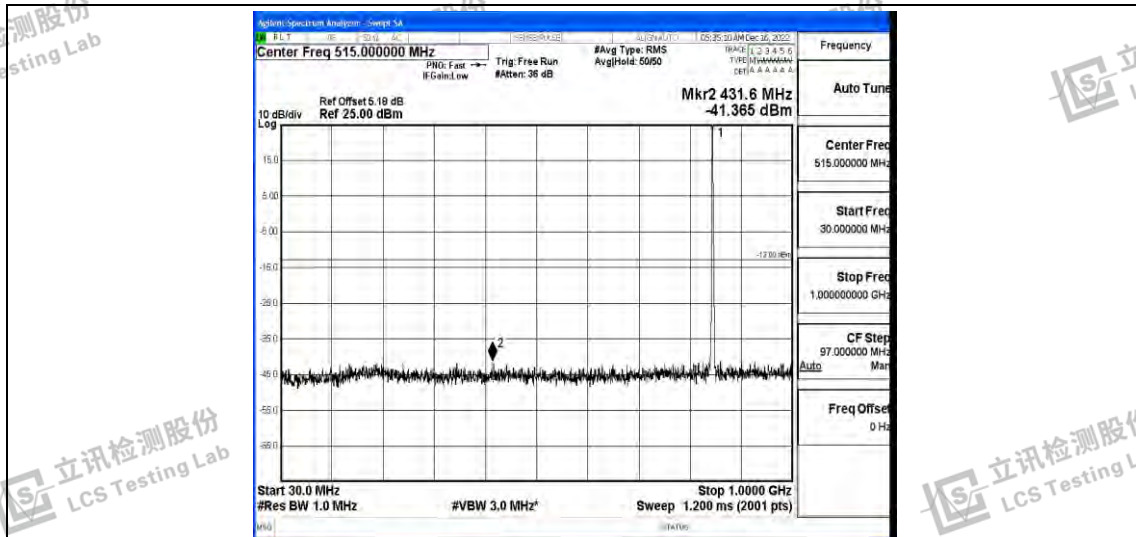


Band5-1.4MHz-QPSK-20643-1RB#0-Range2:0.15~30MHz

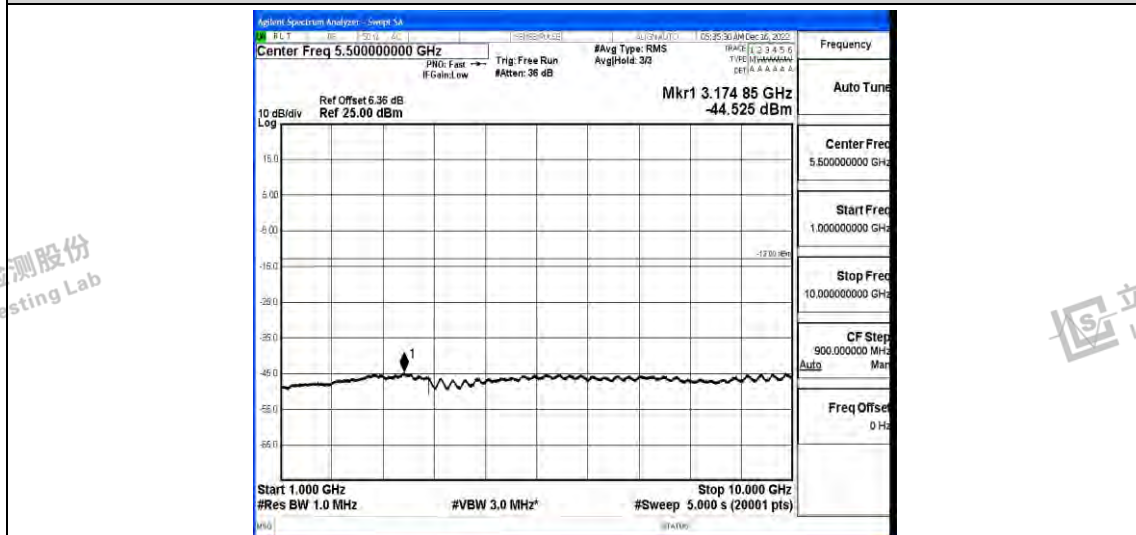


Band5-1.4MHz-QPSK-20643-1RB#0-Range3:30~1000MHz

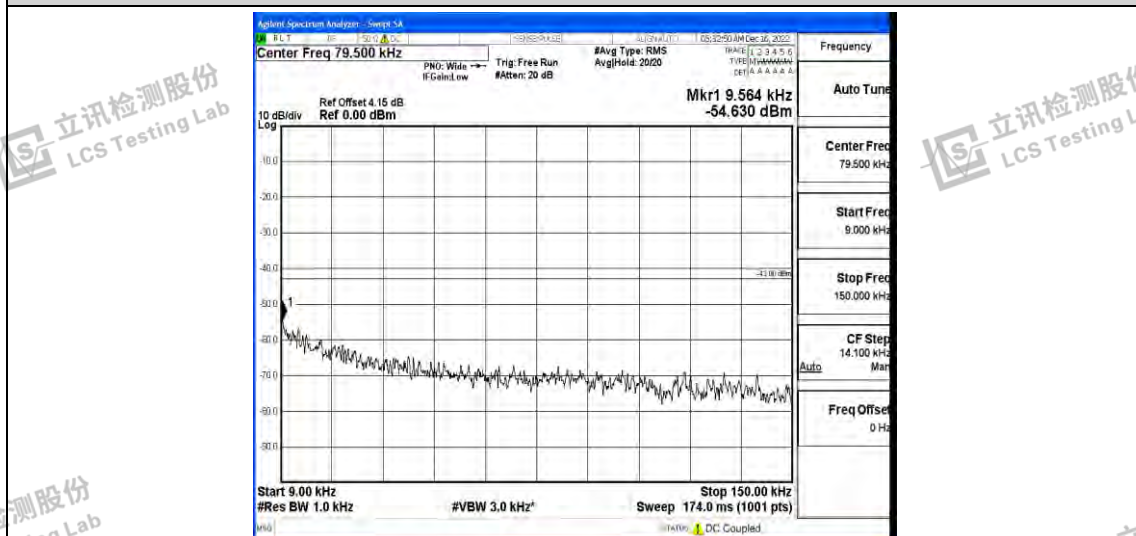




Band5-1.4MHz-QPSK-20643-1RB#0-Range4:1000~10000MHz

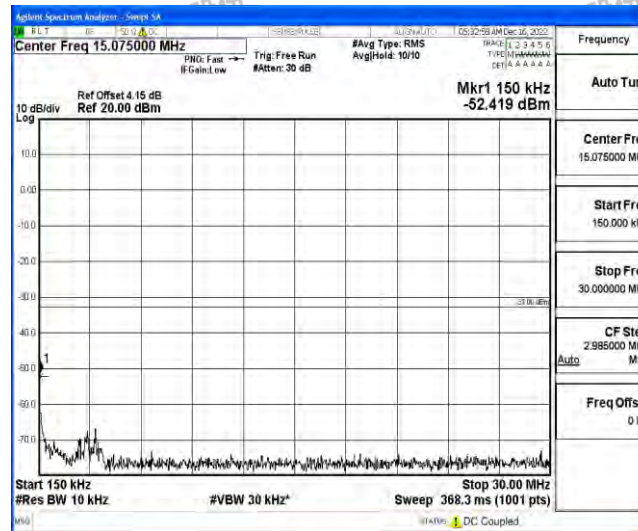


Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz

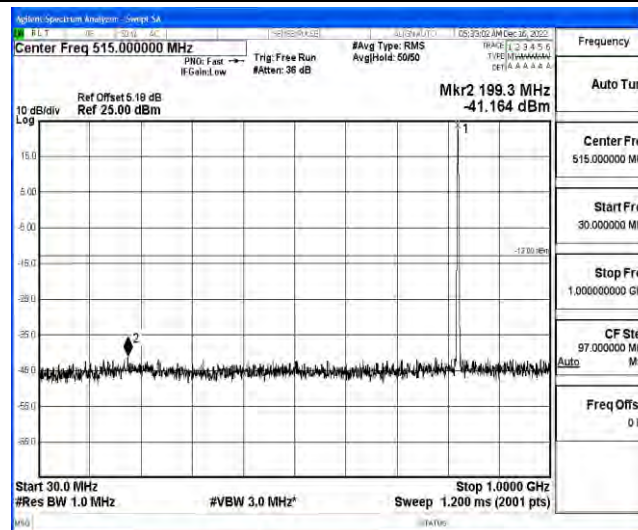


Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz

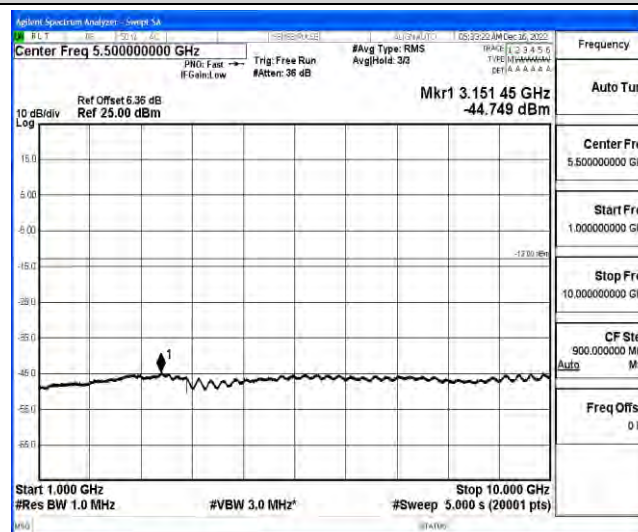




Band5-1.4MHz-16QAM-20407-1RB#0-Range3:30~1000MHz

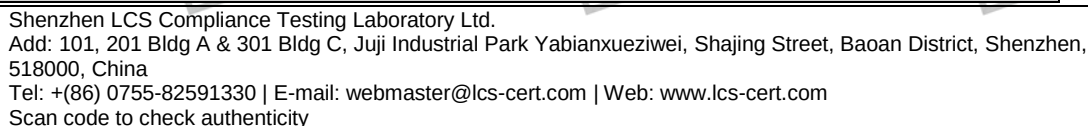
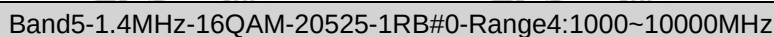
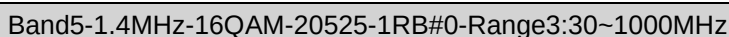
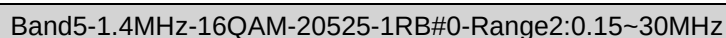


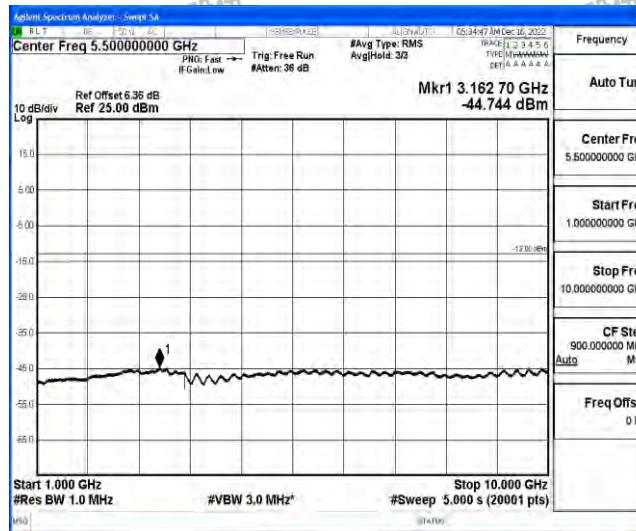
Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz



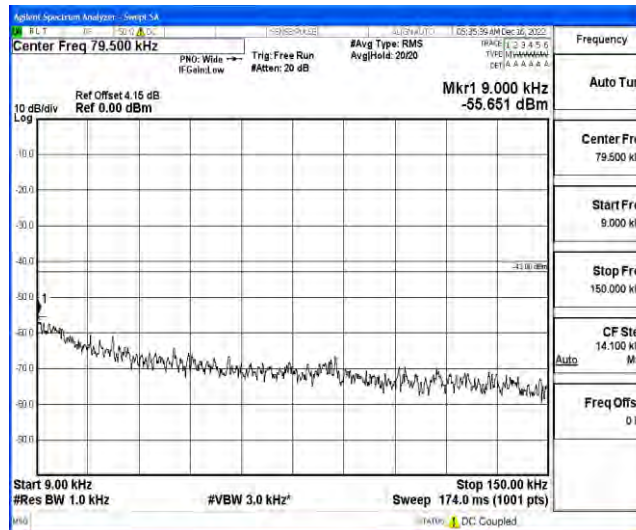
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



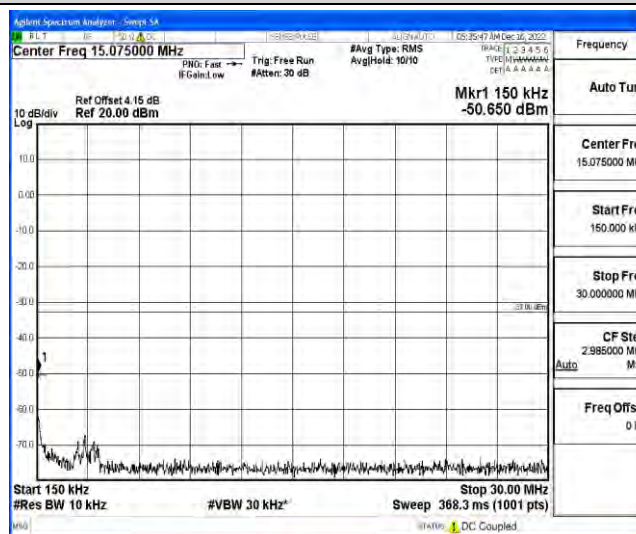




Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz

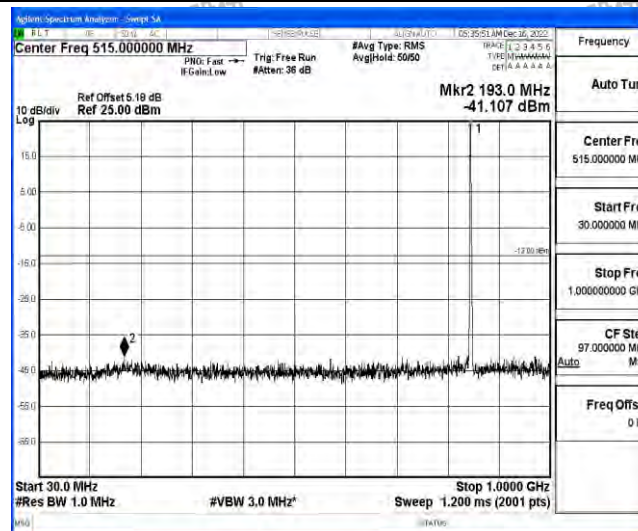


Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz

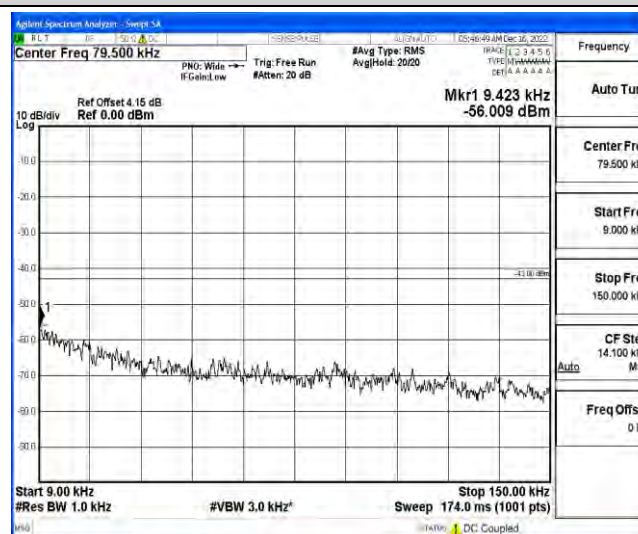




Band5-1.4MHz-16QAM-20643-1RB#0-Range4:1000~10000MHz

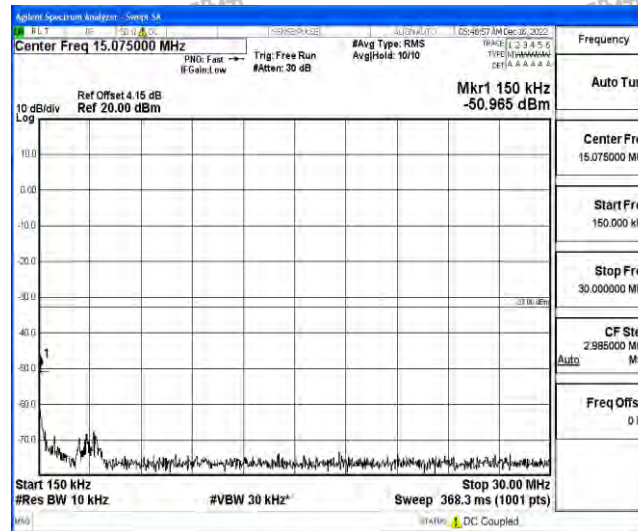


Band5-3MHz-QPSK-20415-1RB#0-Range1:0.009~0.15MHz

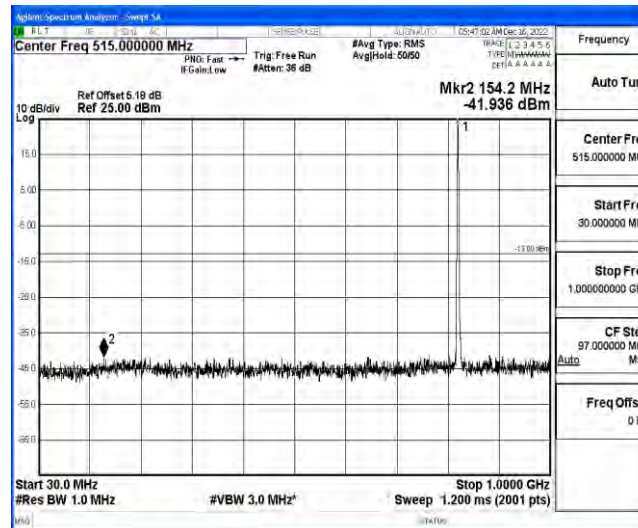


Band5-3MHz-QPSK-20415-1RB#0-Range2:0.15~30MHz

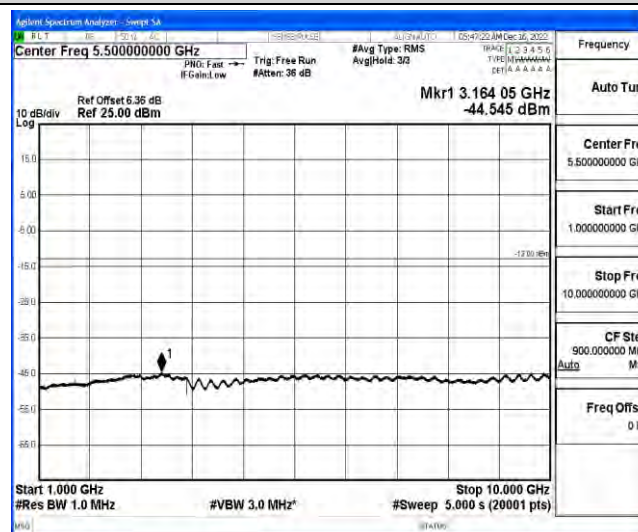




Band5-3MHz-QPSK-20415-1RB#0-Range3:30~1000MHz

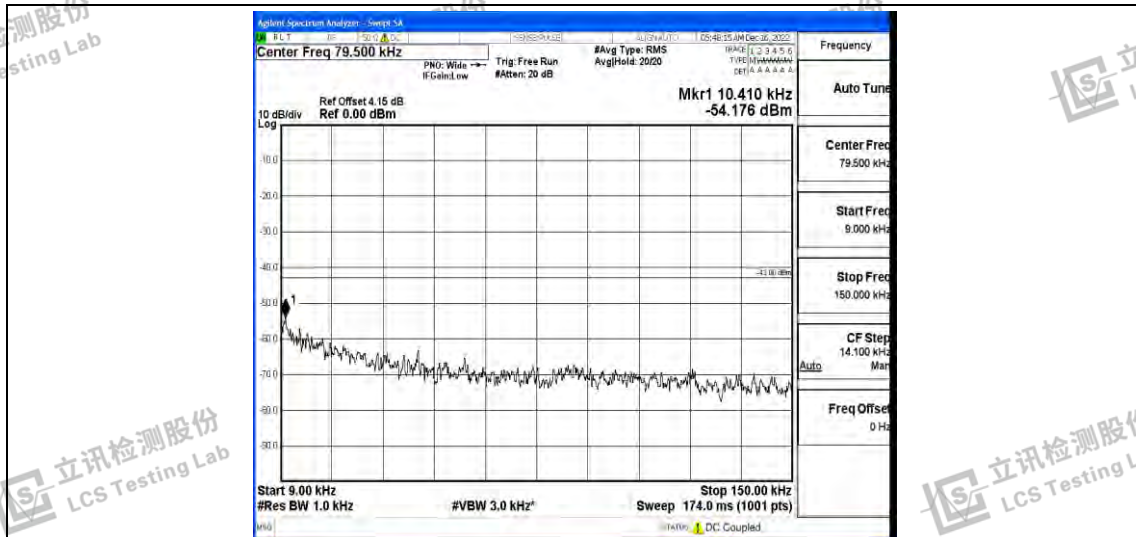


Band5-3MHz-QPSK-20415-1RB#0-Range4:1000~10000MHz

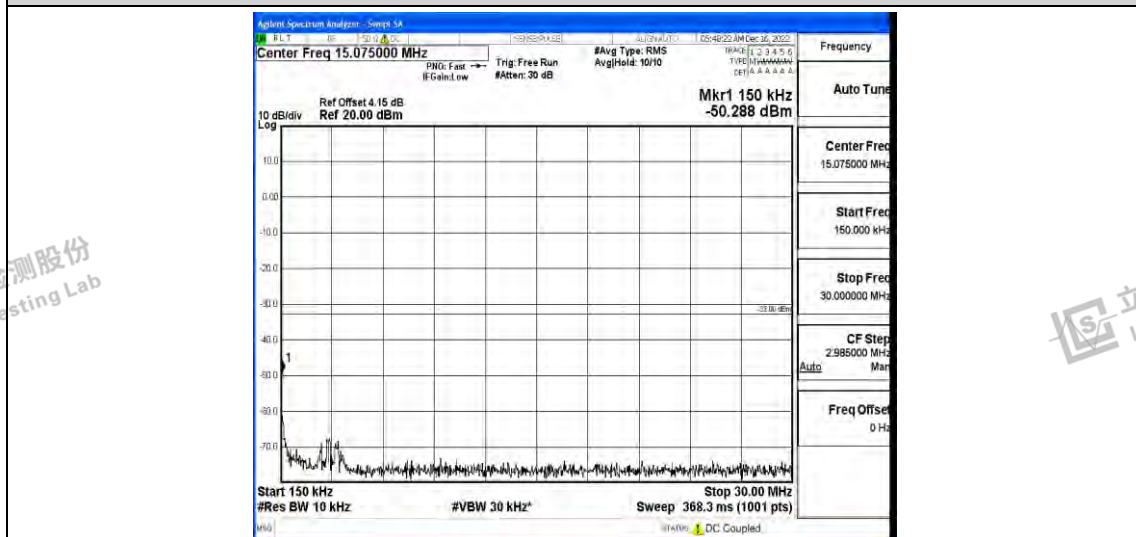


Band5-3MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

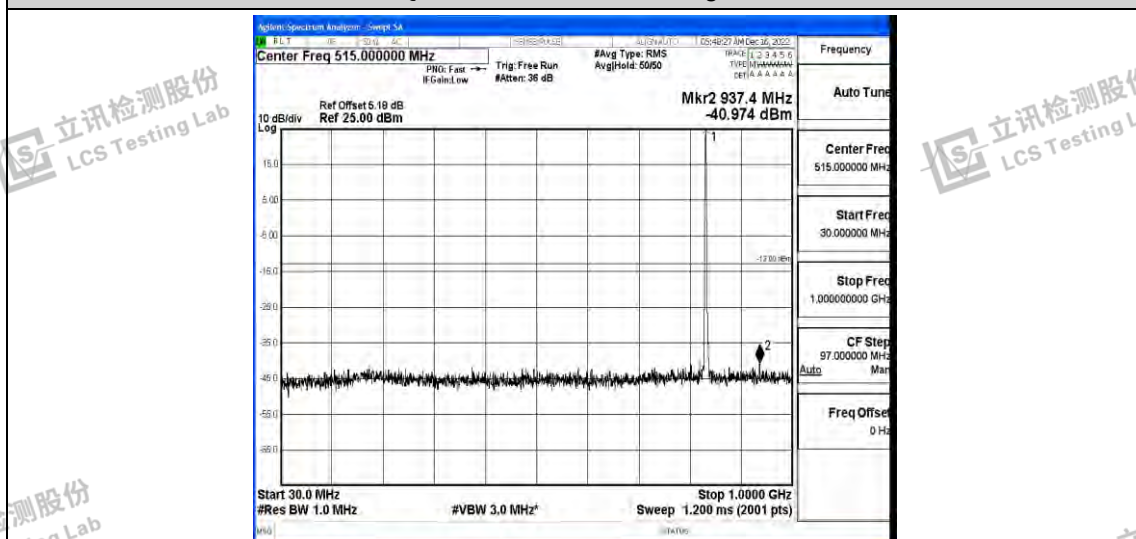




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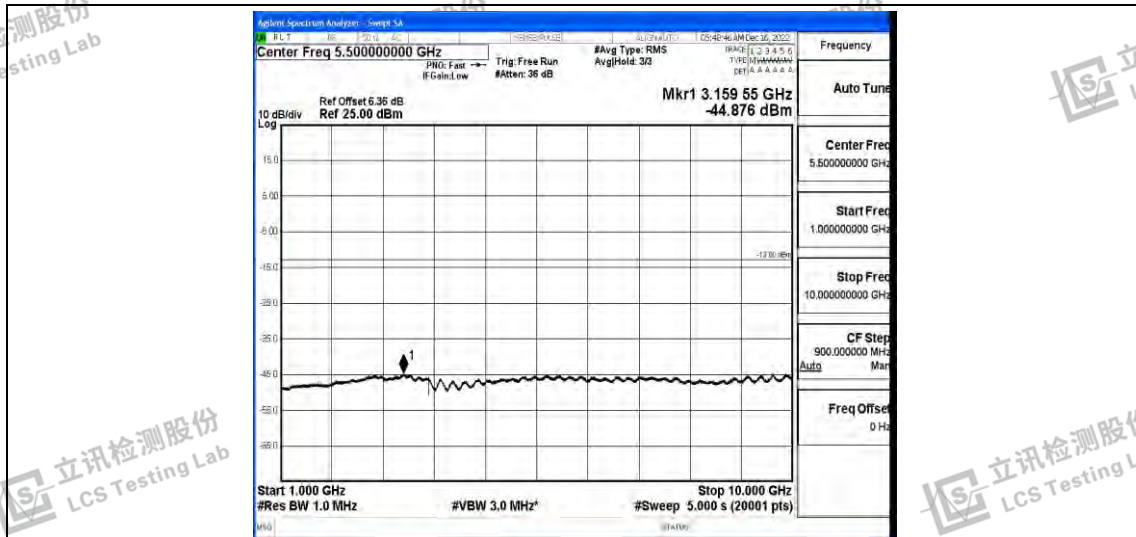


Band5-3MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

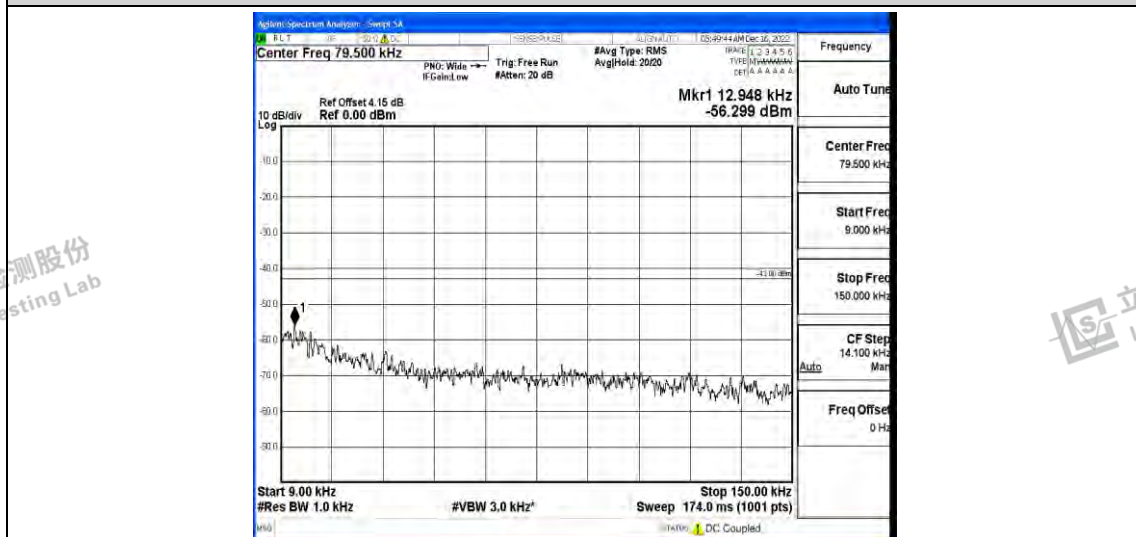


Band5-3MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz





Band5-3MHz-QPSK-20635-1RB#0-Range1:0.009~0.15MHz

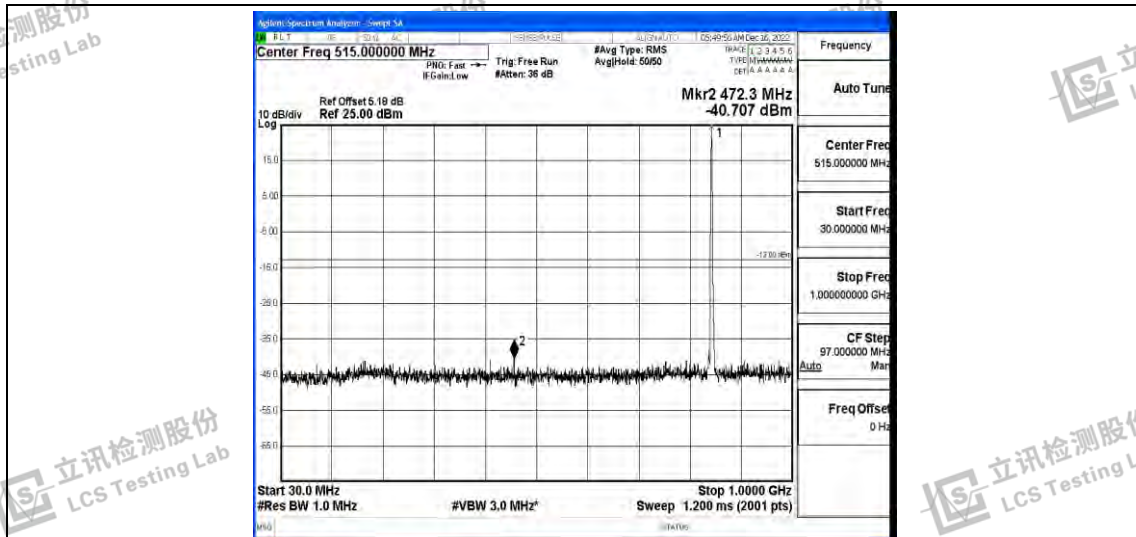


Band5-3MHz-QPSK-20635-1RB#0-Range2:0.15~30MHz

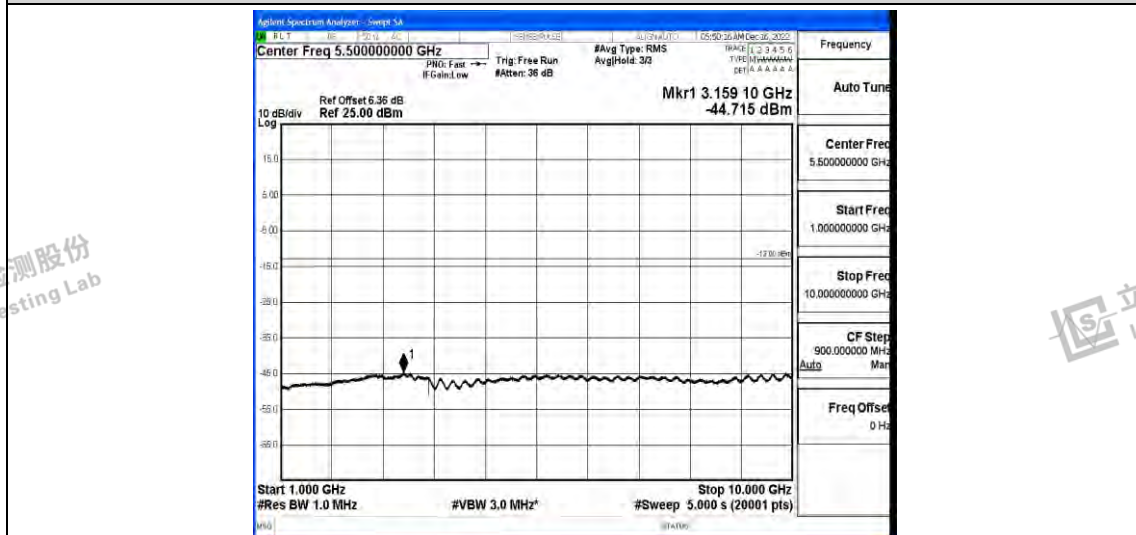


Band5-3MHz-QPSK-20635-1RB#0-Range3:30~1000MHz

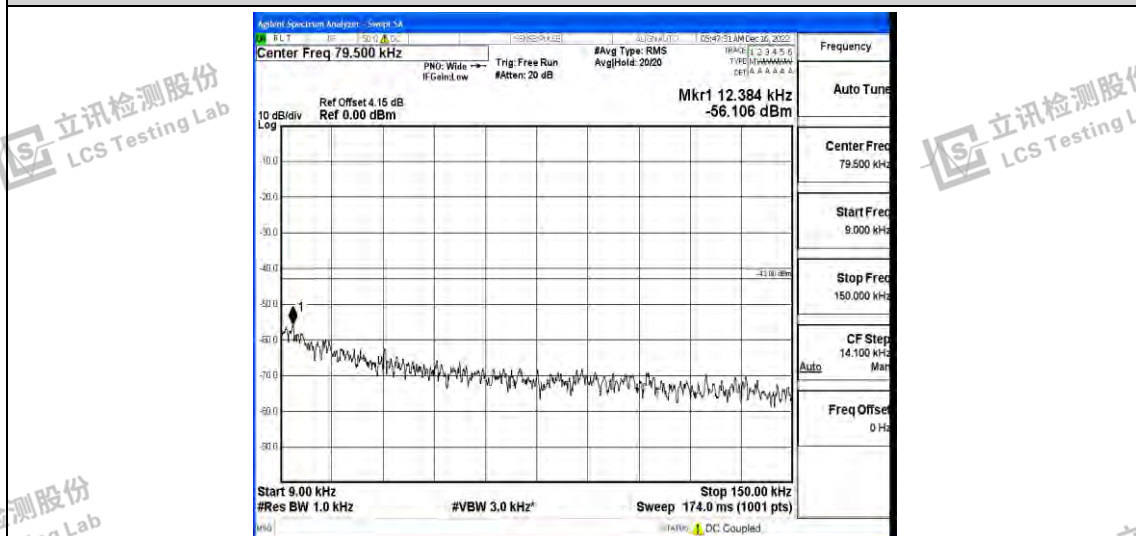




Band5-3MHz-QPSK-20635-1RB#0-Range4:1000~10000MHz

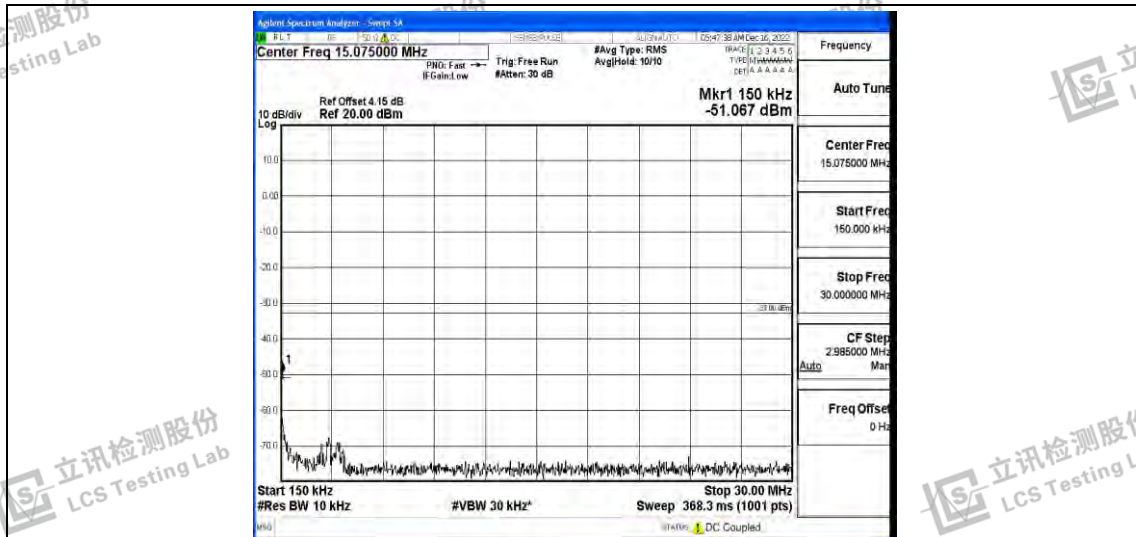


Band5-3MHz-16QAM-20415-1RB#0-Range1:0.009~0.15MHz

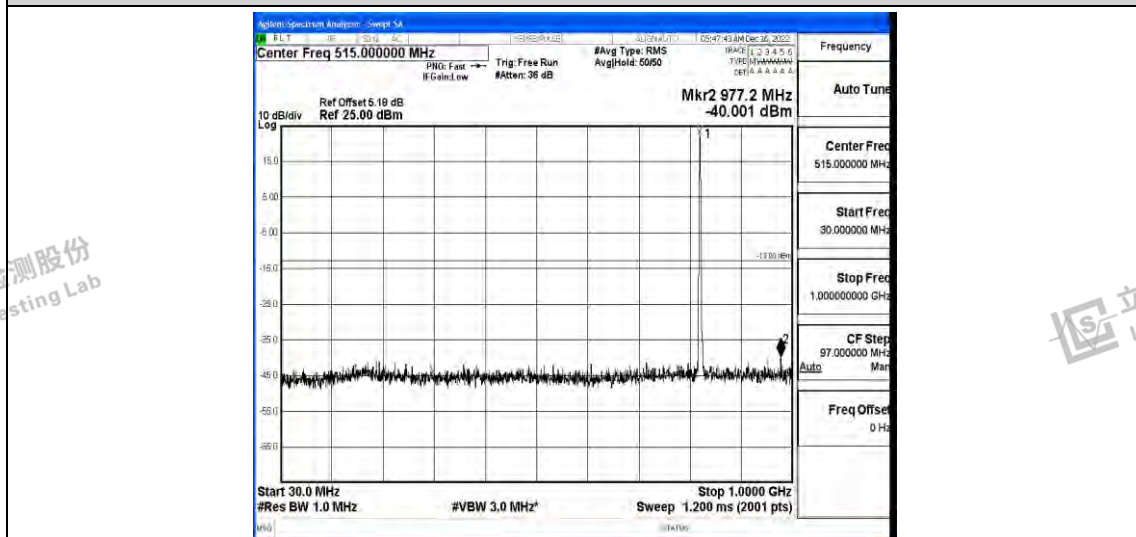


Band5-3MHz-16QAM-20415-1RB#0-Range2:0.15~30MHz

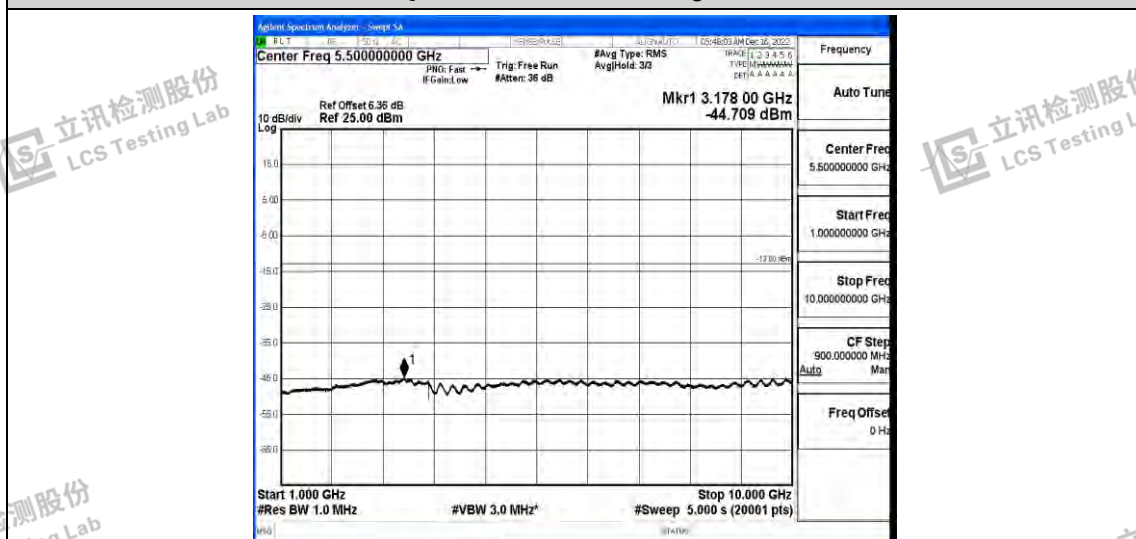




Band5-3MHz-16QAM-20415-1RB#0-Range3:30~1000MHz

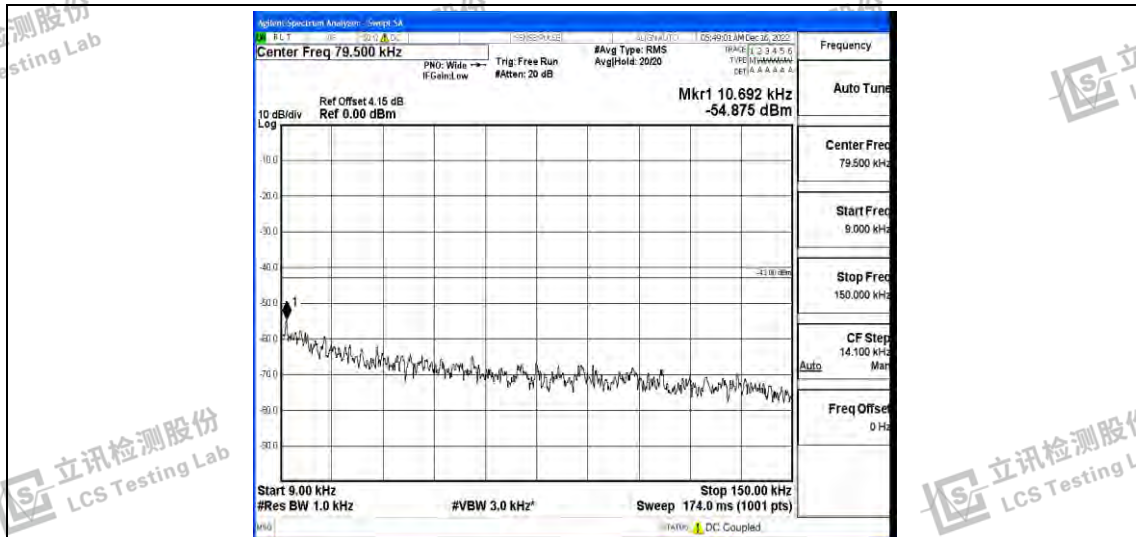


Band5-3MHz-16QAM-20415-1RB#0-Range4:1000~10000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

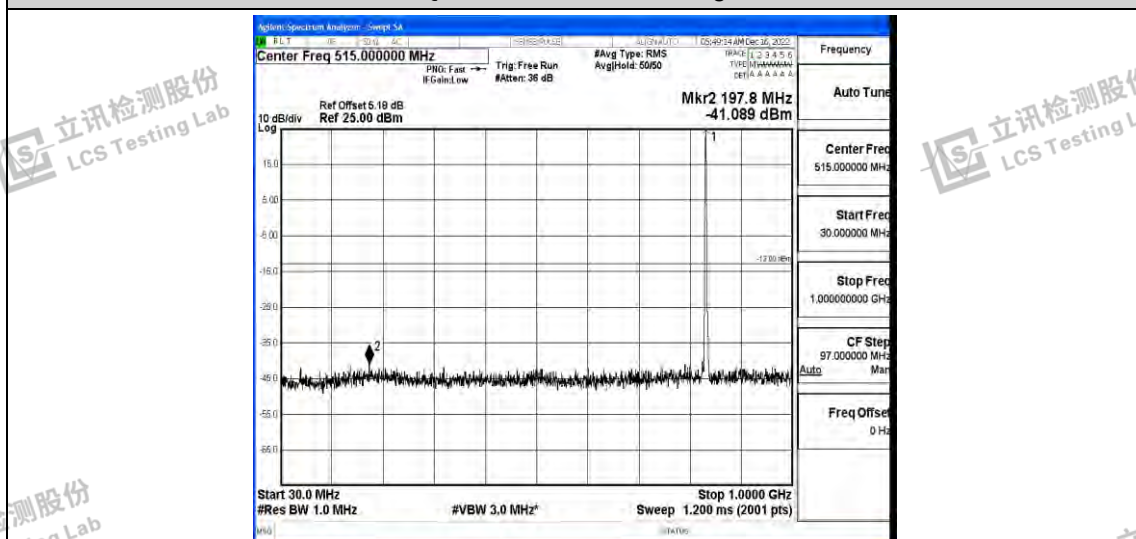




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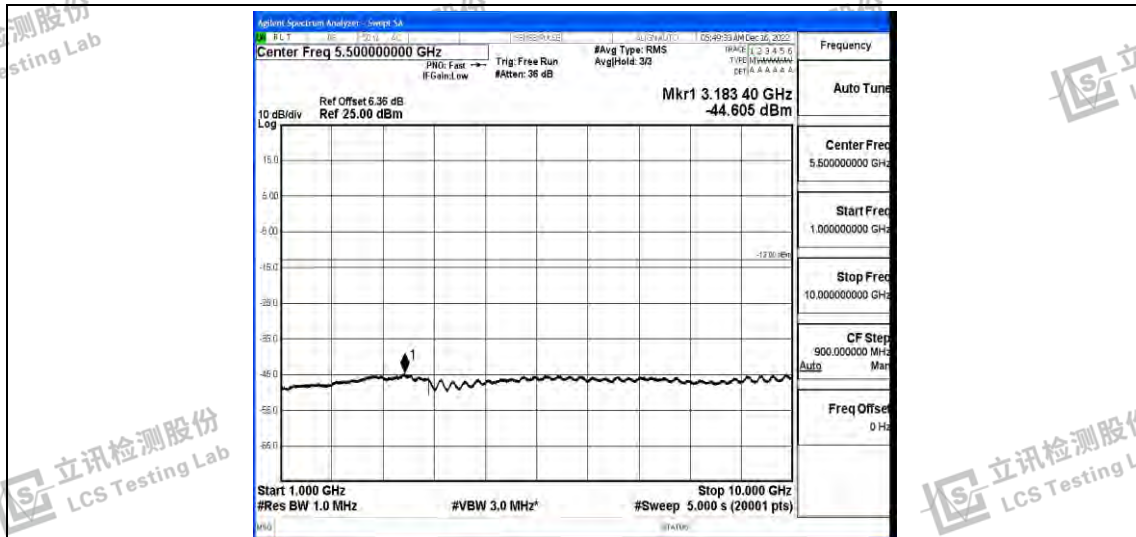


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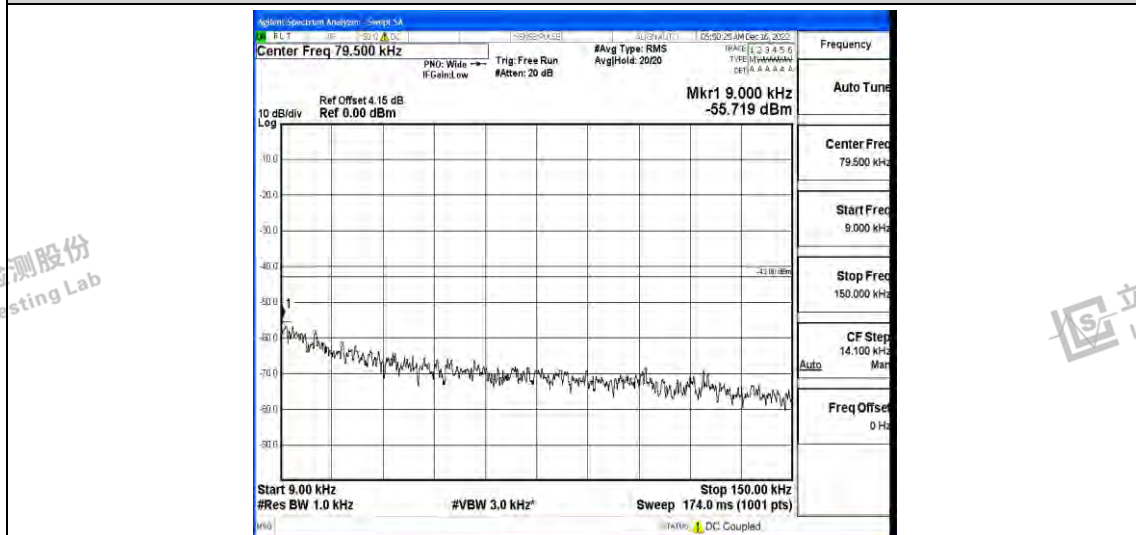


Band5-3MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

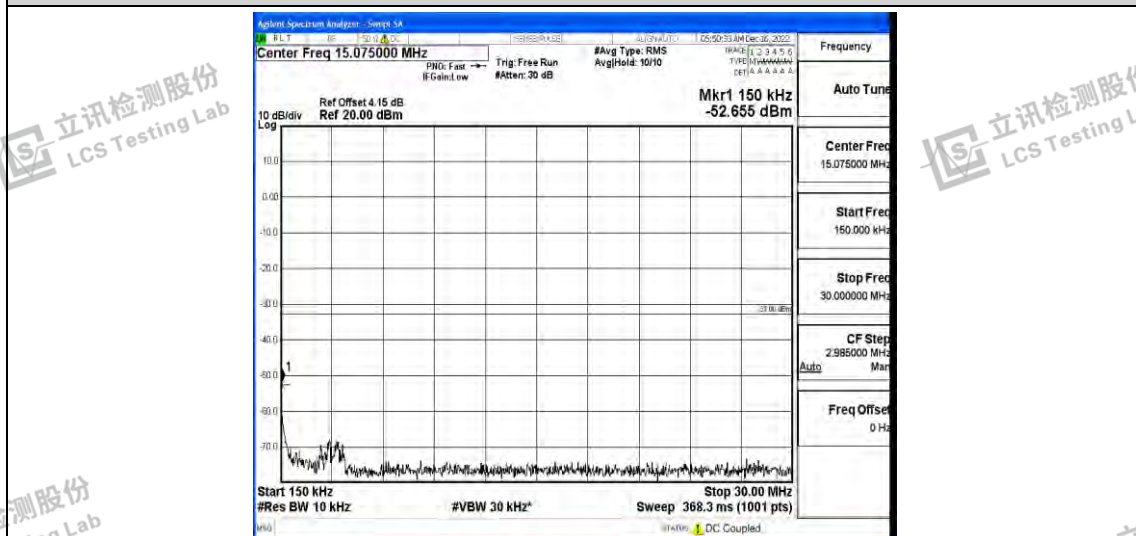




Band5-3MHz-16QAM-20635-1RB#0-Range1:0.009~0.15MHz

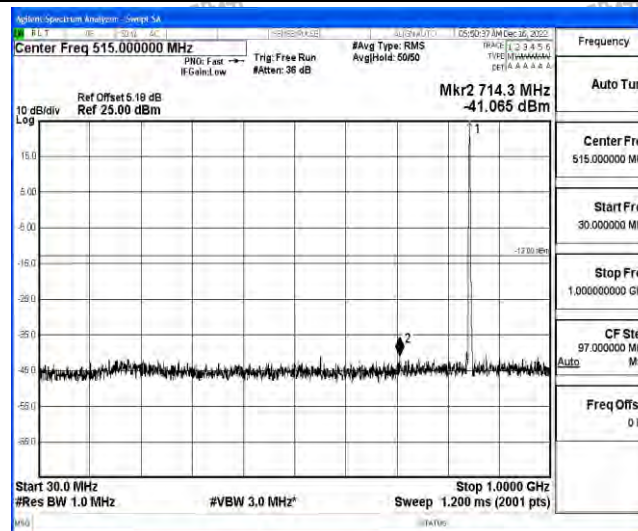


Band5-3MHz-16QAM-20635-1RB#0-Range2:0.15~30MHz



Band5-3MHz-16QAM-20635-1RB#0-Range3:30~1000MHz

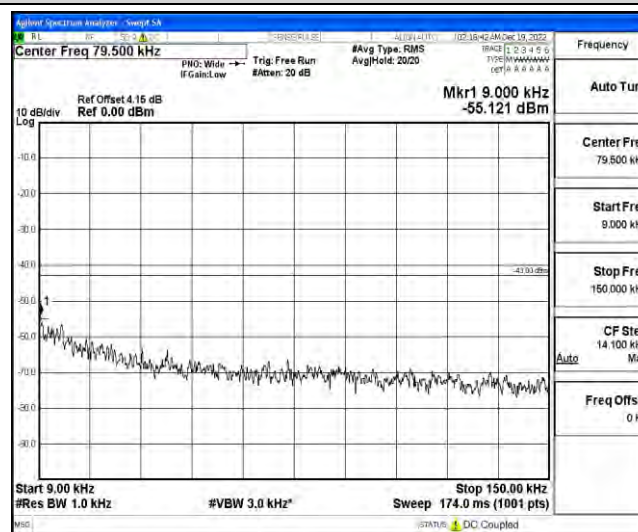




Band5-3MHz-16QAM-20635-1RB#0-Range4:1000~10000MHz

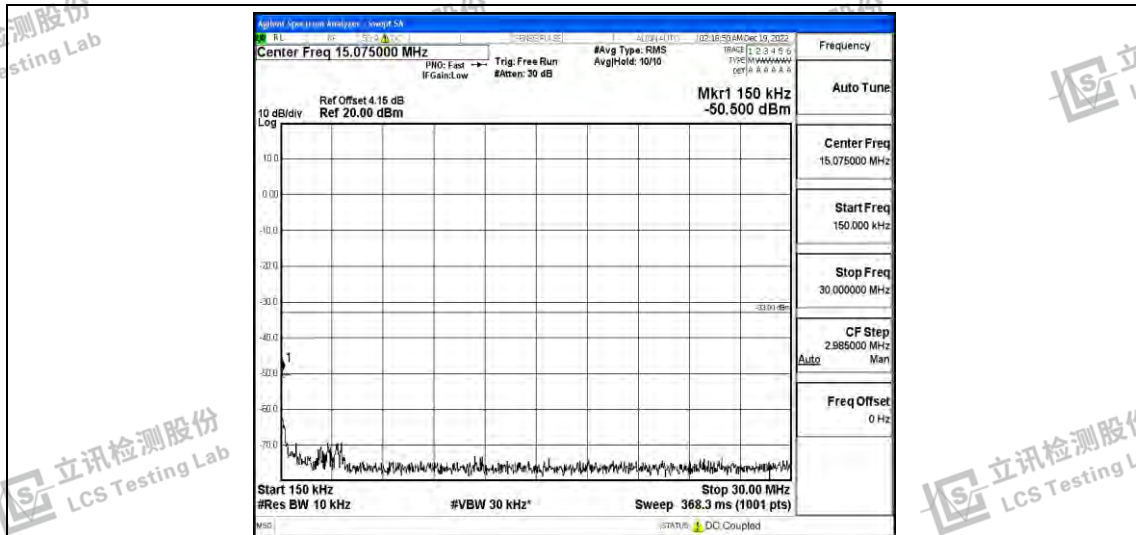


Band5-5MHz-QPSK-20425-1RB#0-Range1:0.009~0.15MHz

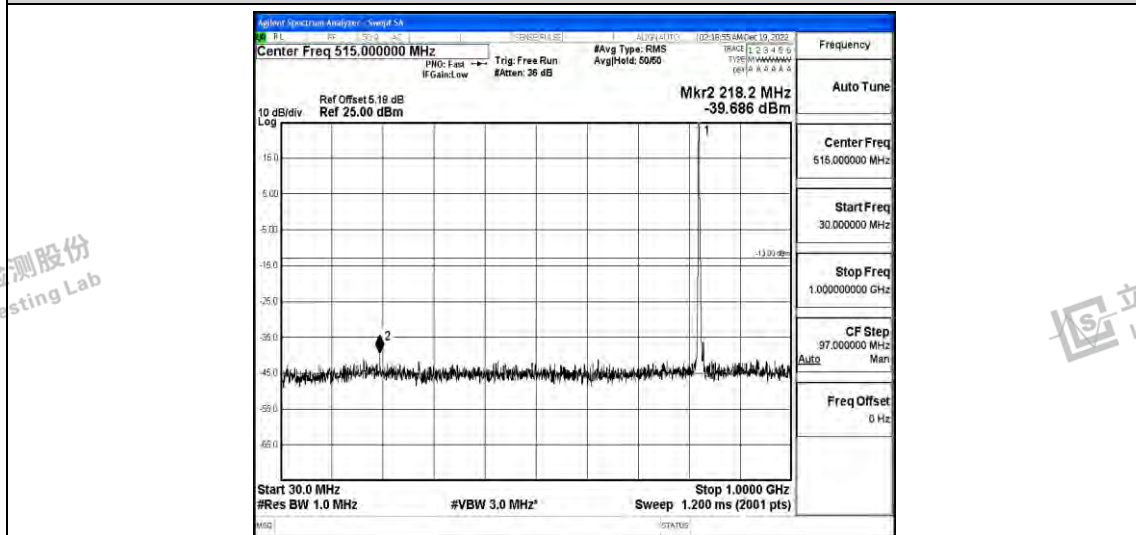


Band5-5MHz-QPSK-20425-1RB#0-Range2:0.15~30MHz





Band5-5MHz-QPSK-20425-1RB#0-Range3:30~1000MHz

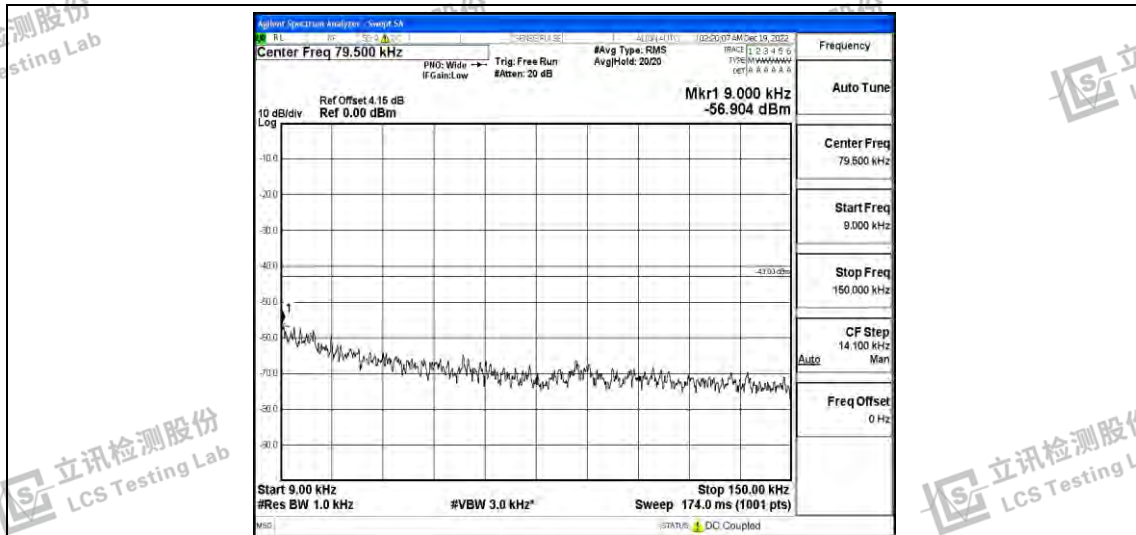


Band5-5MHz-QPSK-20425-1RB#0-Range4:1000~10000MHz

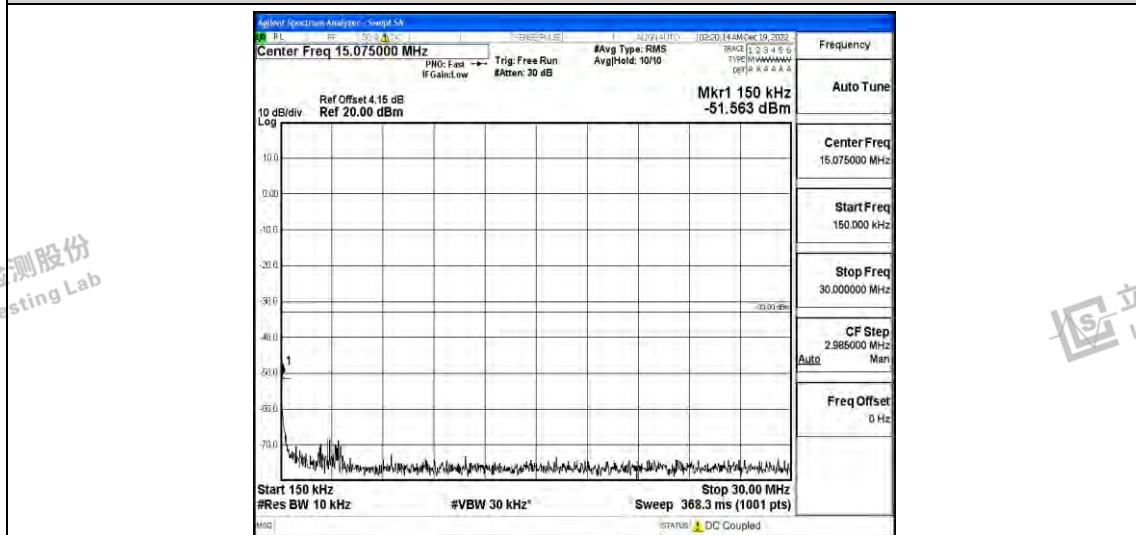


Band5-5MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

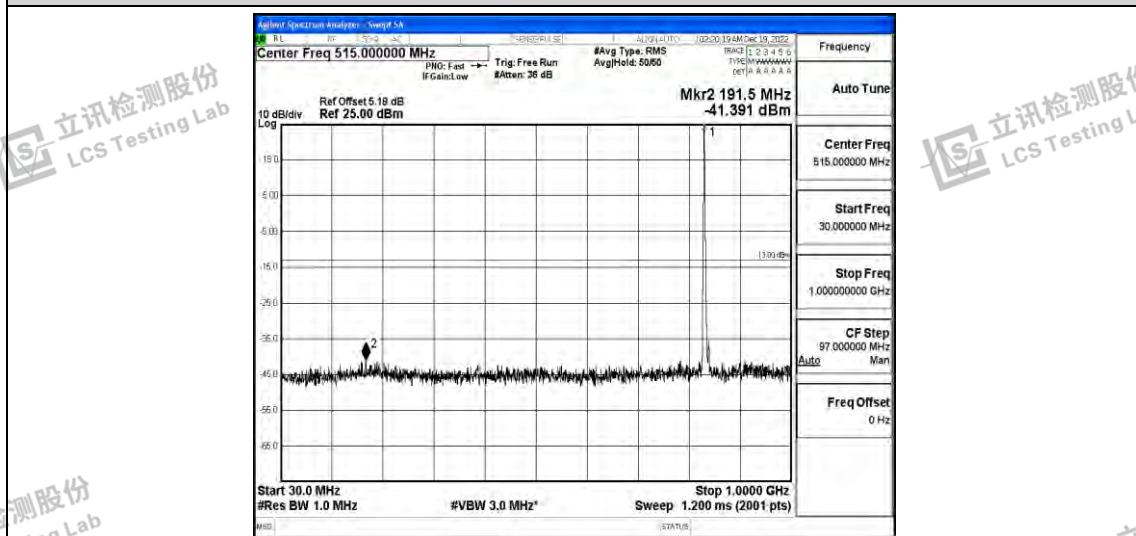




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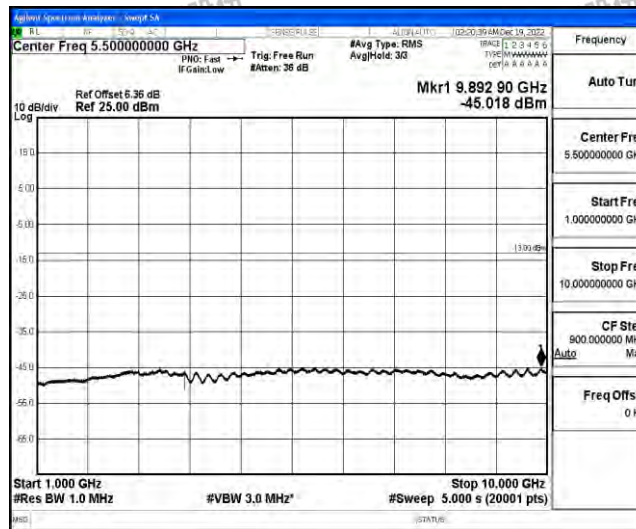


Band5-5MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

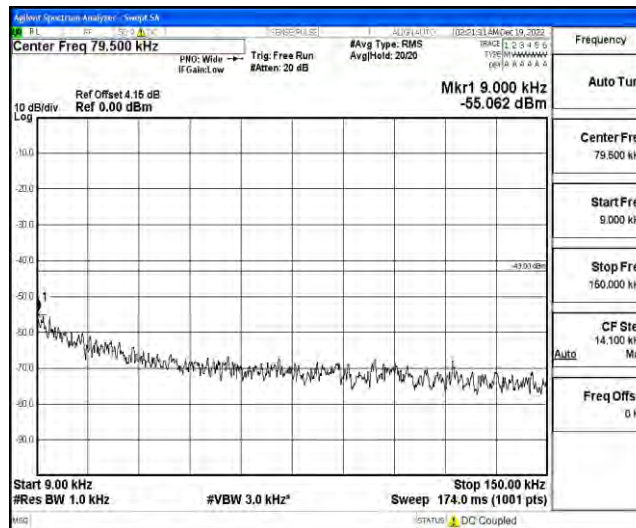


Band5-5MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

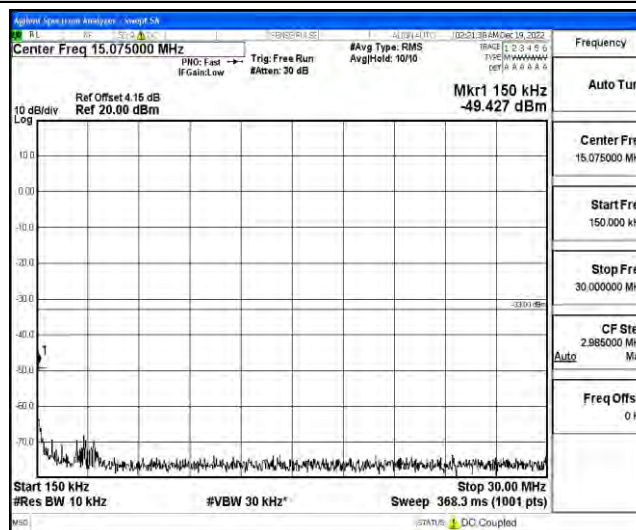




Band5-5MHz-QPSK-20625-1RB#0-Range1:0.009~0.15MHz

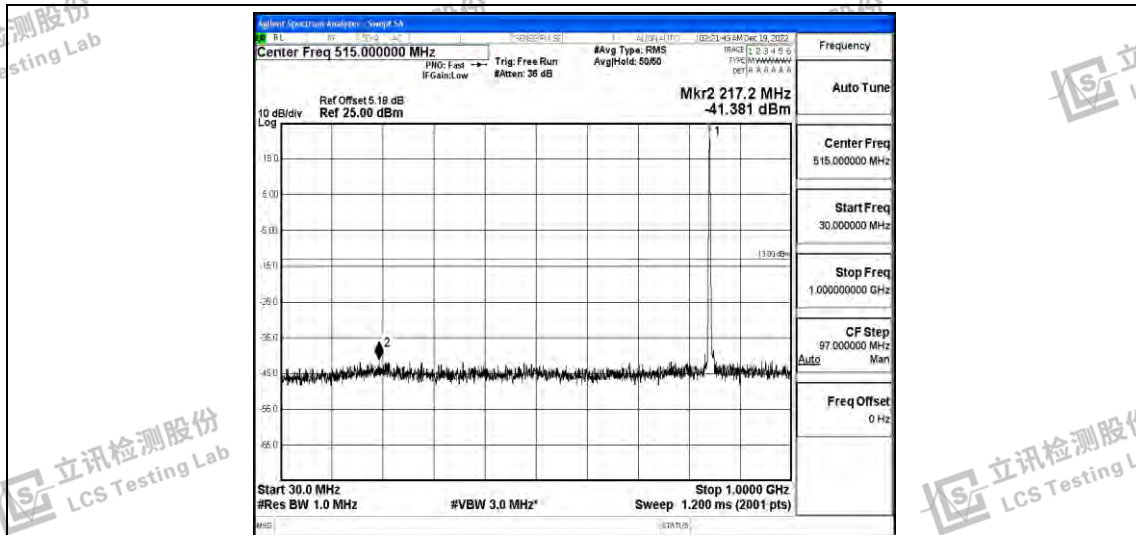


Band5-5MHz-QPSK-20625-1RB#0-Range2:0.15~30MHz

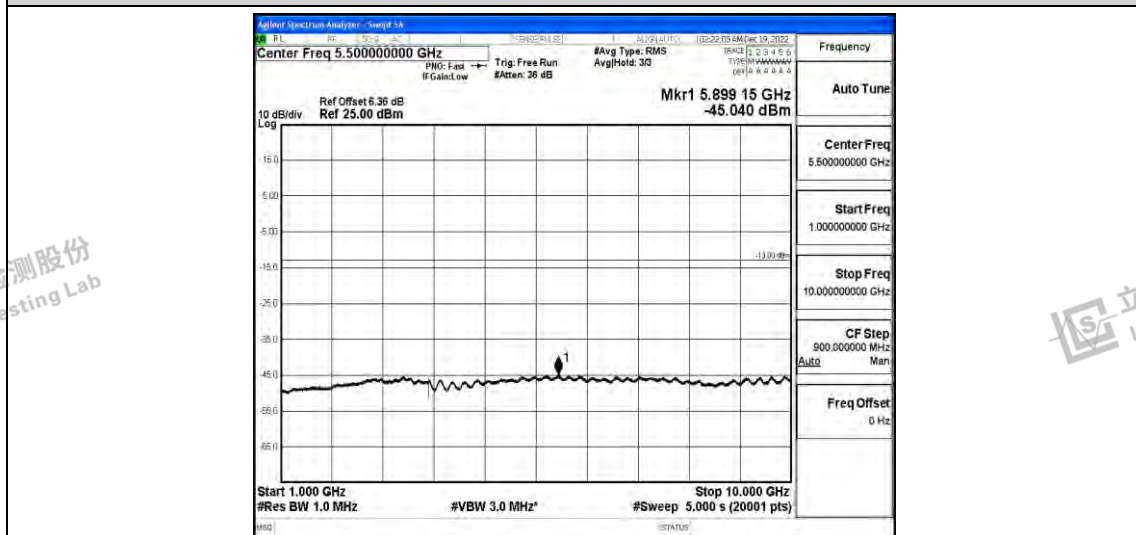


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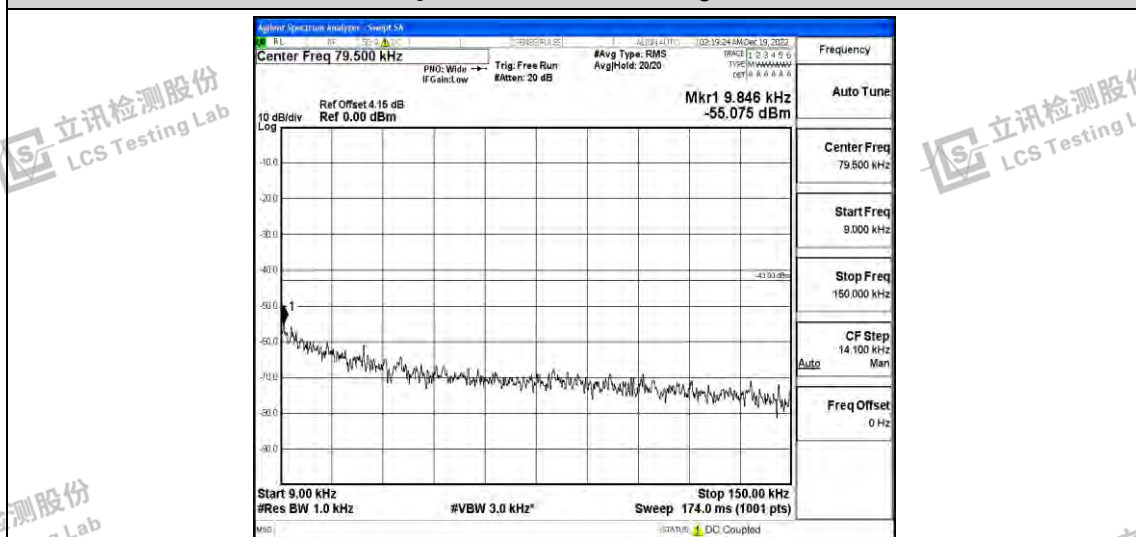




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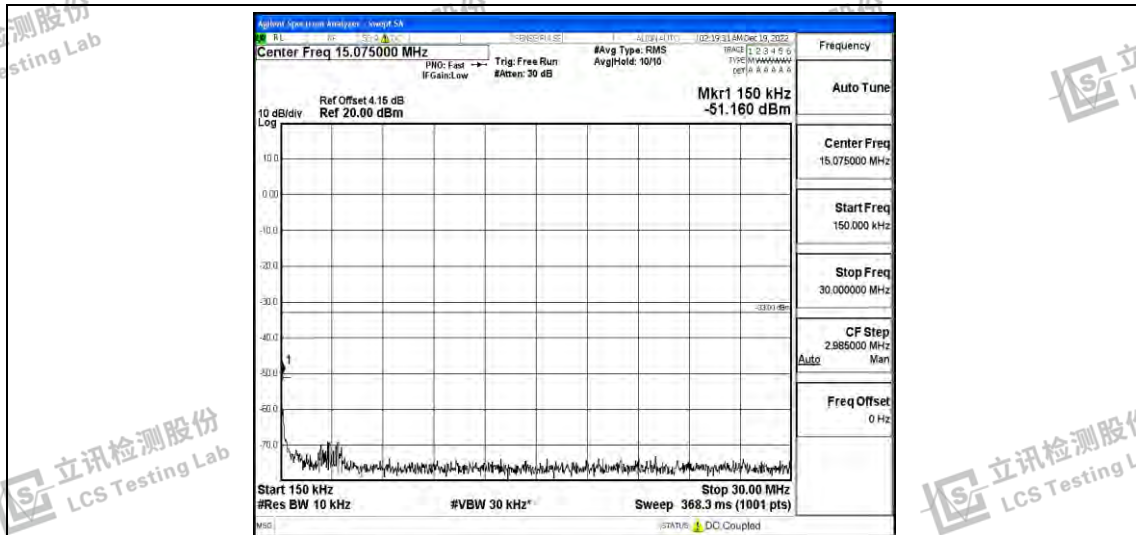


Band5-5MHz-16QAM-20425-1RB#0-Range1:0.009~0.15MHz

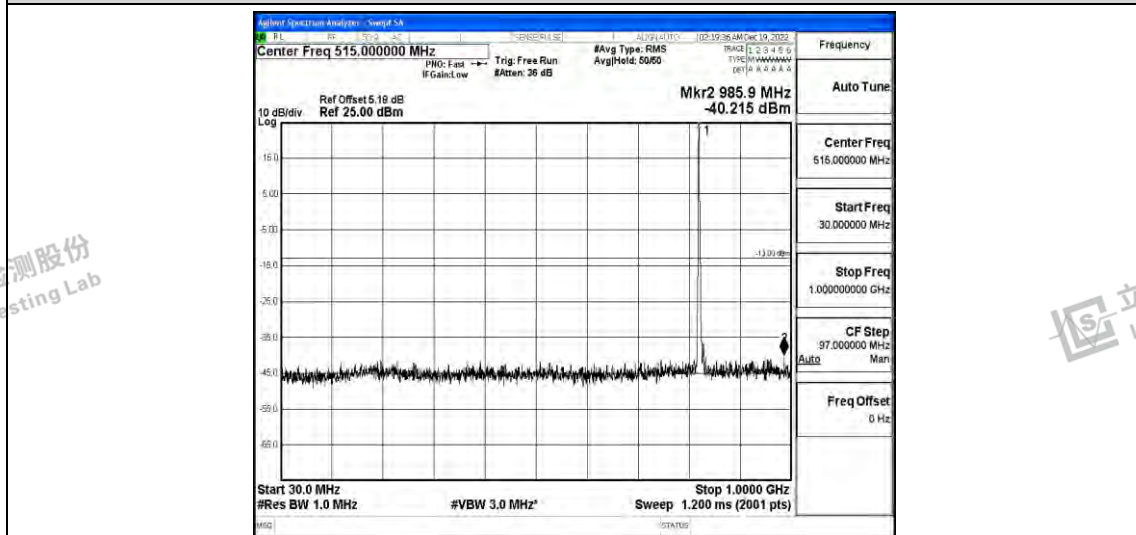


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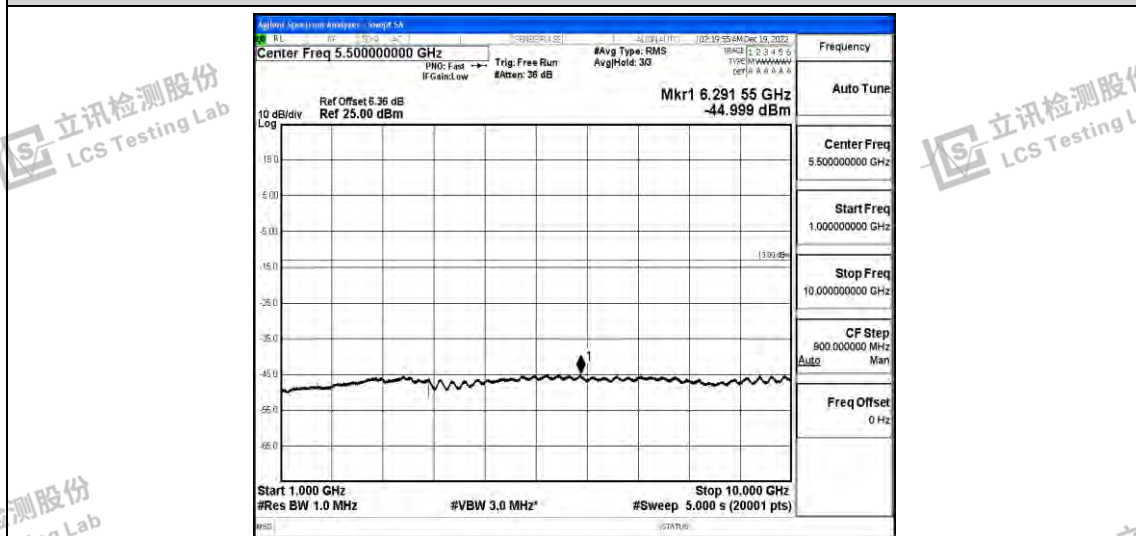




Band5-5MHz-16QAM-20425-1RB#0-Range3:30~1000MHz

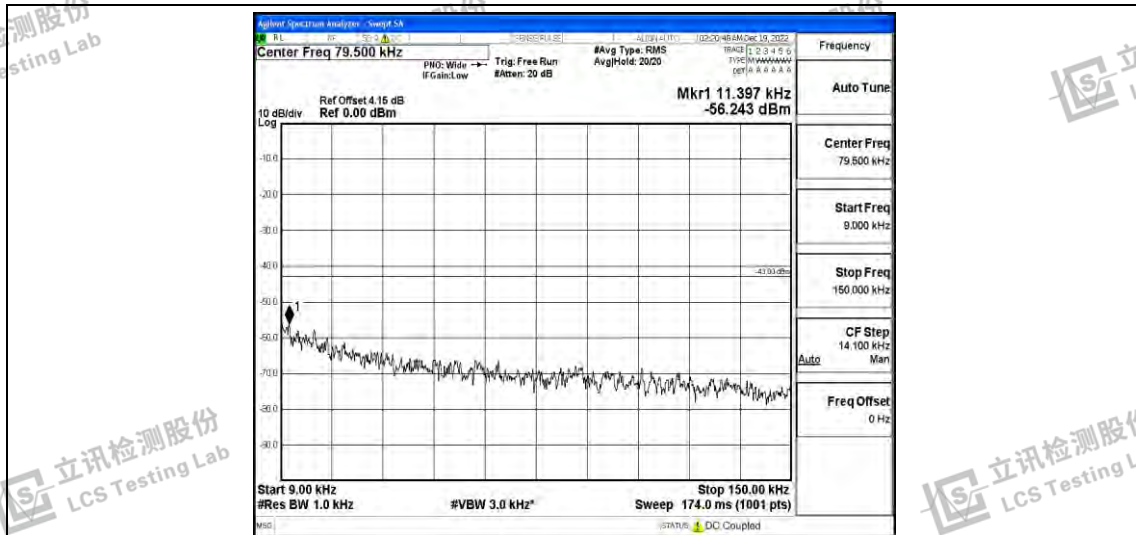


Band5-5MHz-16QAM-20425-1RB#0-Range4:1000~10000MHz

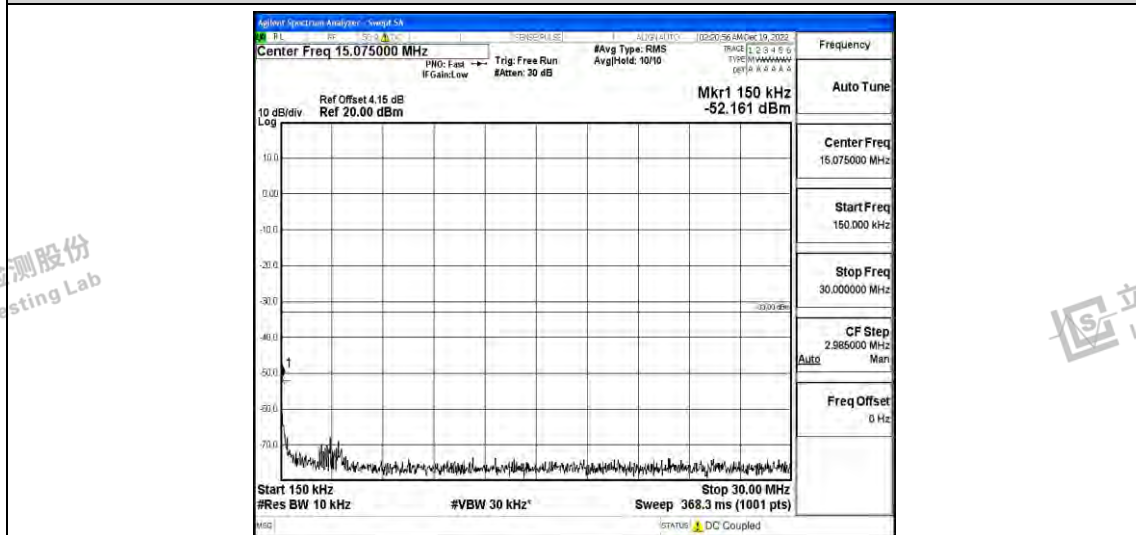


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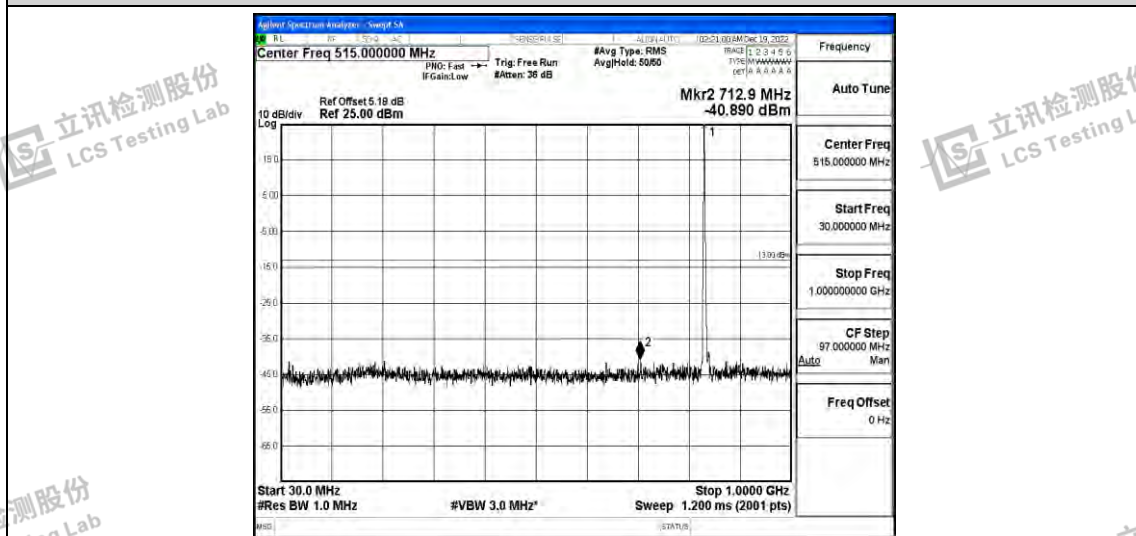




Band5-5MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz

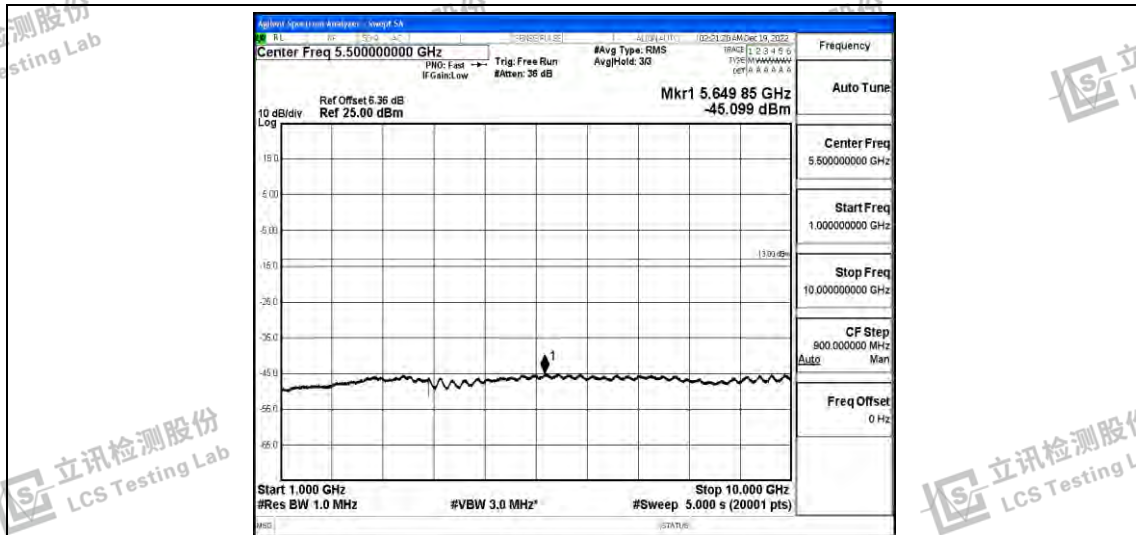


Band5-5MHz-16QAM-20525-1RB#0-Range3:30~1000MHz

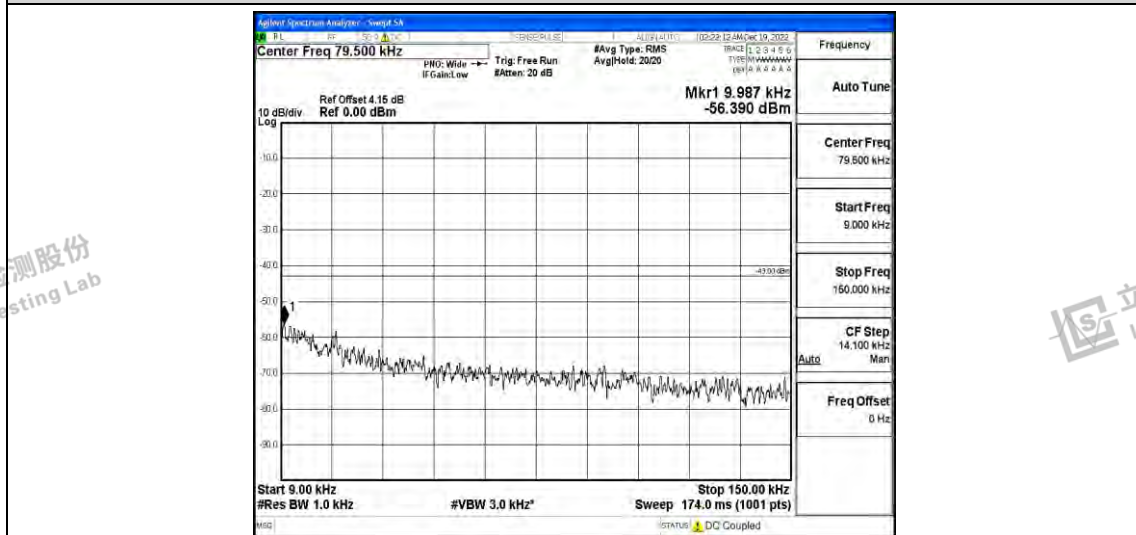


Band5-5MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

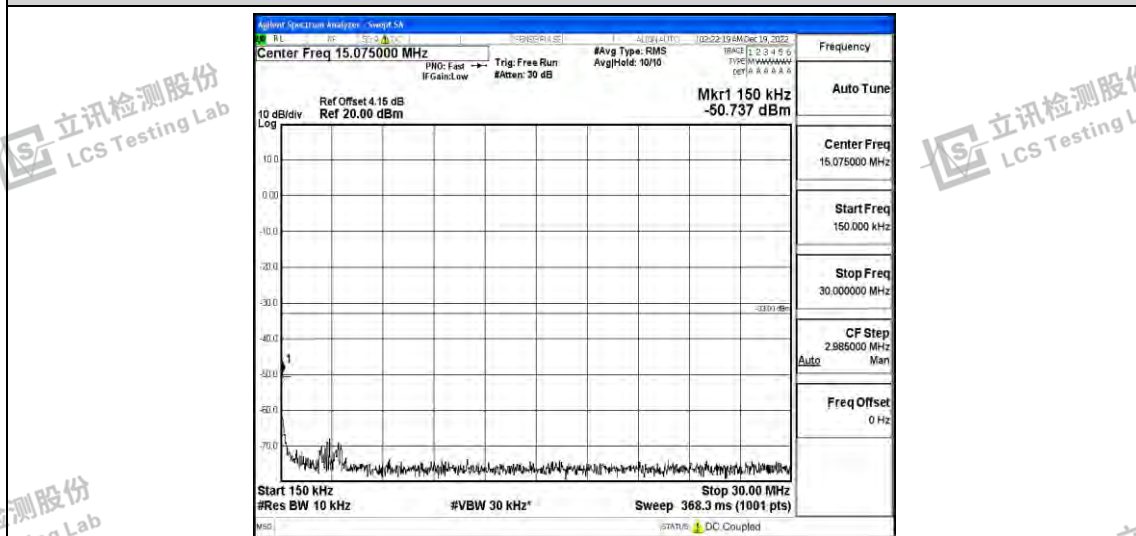




Band5-5MHz-16QAM-20625-1RB#0-Range1:0.009~0.15MHz

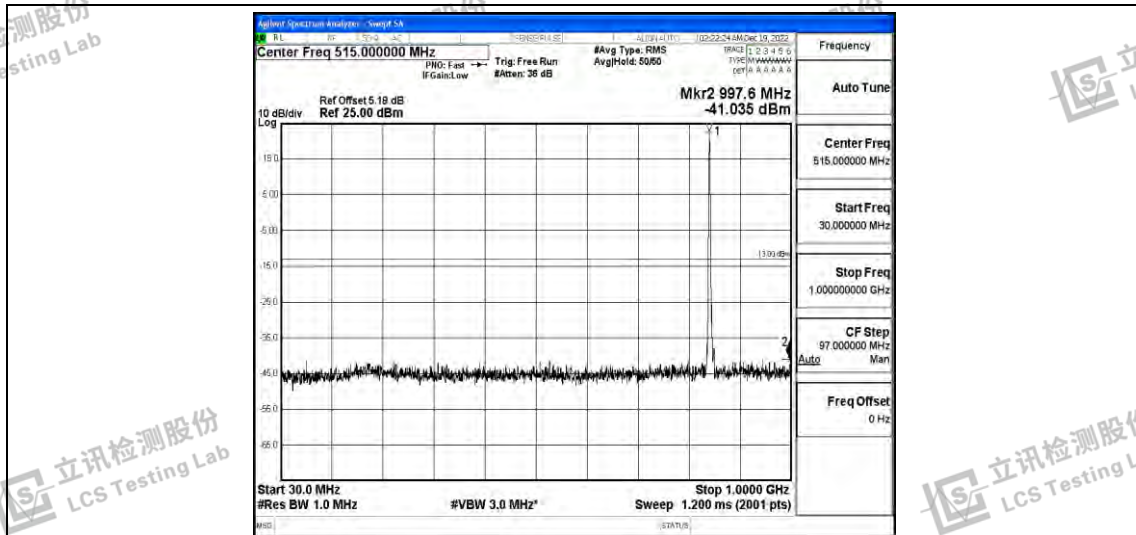


Band5-5MHz-16QAM-20625-1RB#0-Range2:0.15~30MHz



Band5-5MHz-16QAM-20625-1RB#0-Range3:30~1000MHz





Band5-5MHz-16QAM-20625-1RB#0-Range4:1000~10000MHz

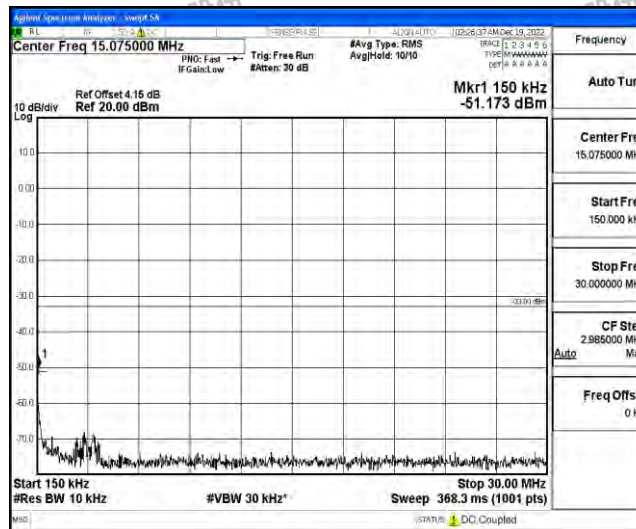


Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz

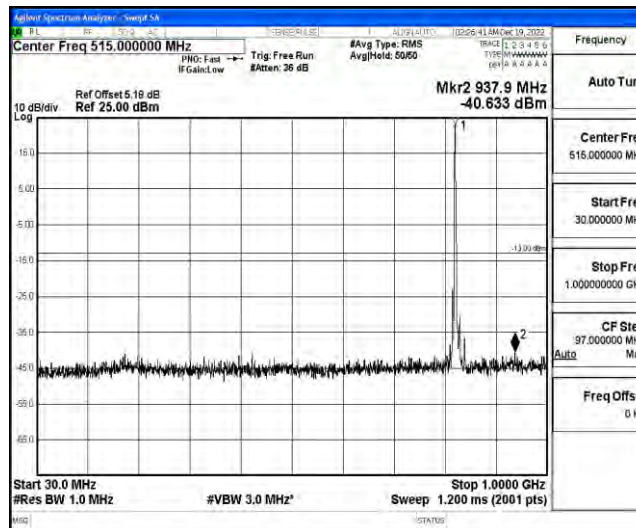


Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz

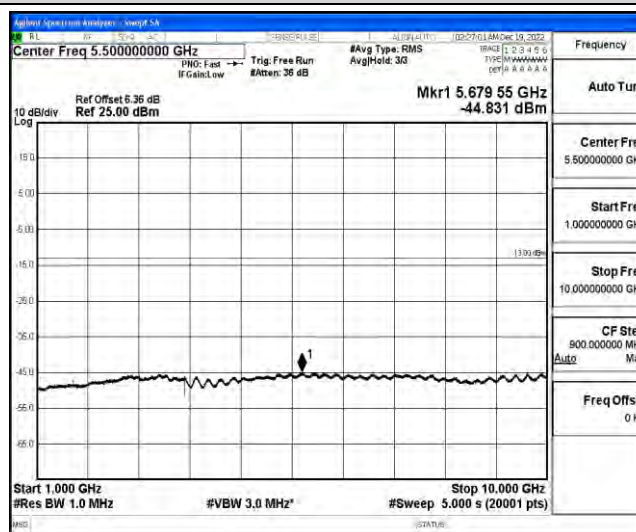




Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz

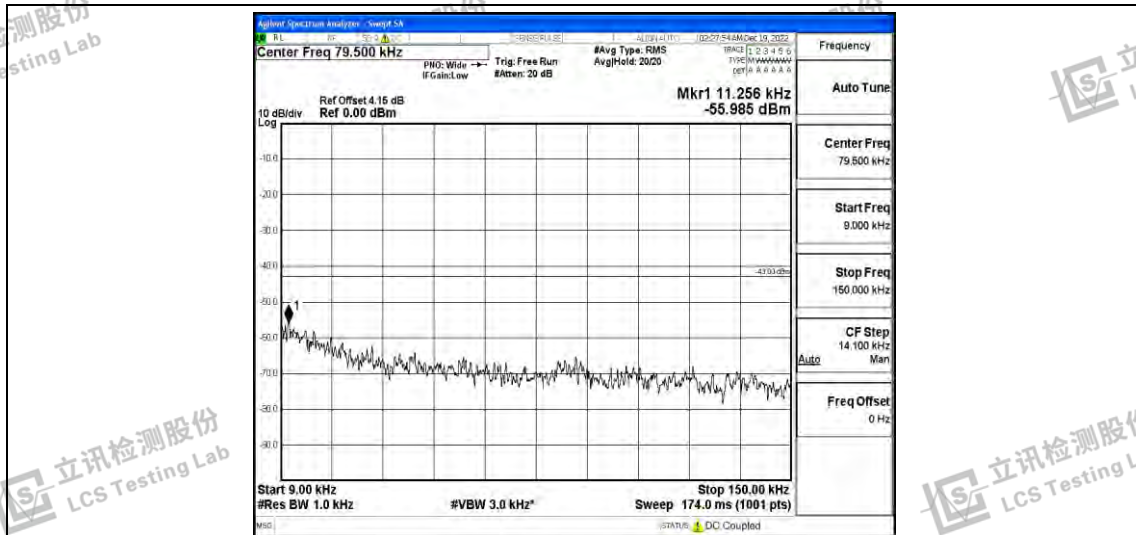


Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz

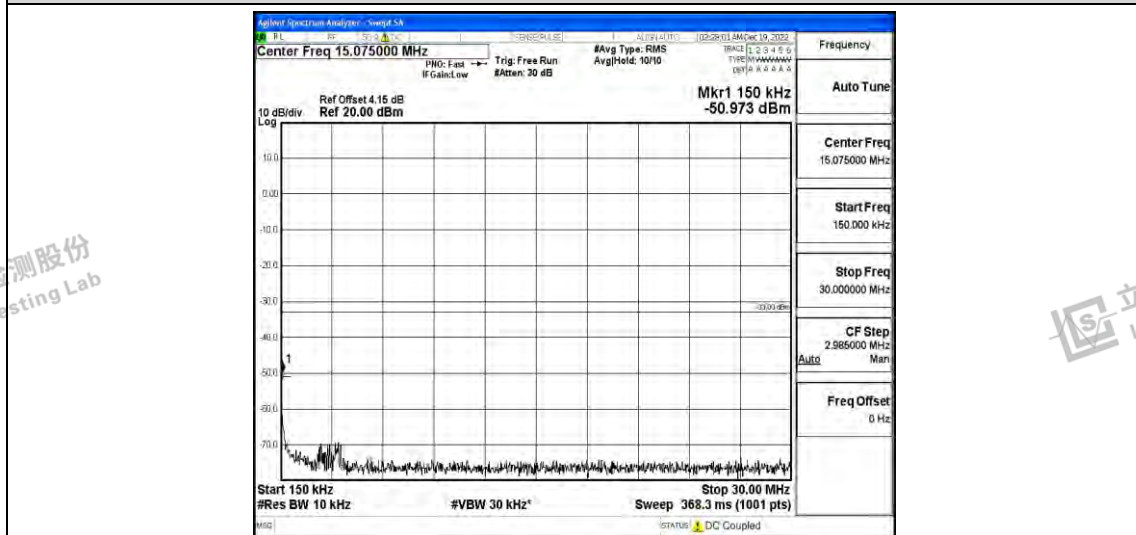


Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

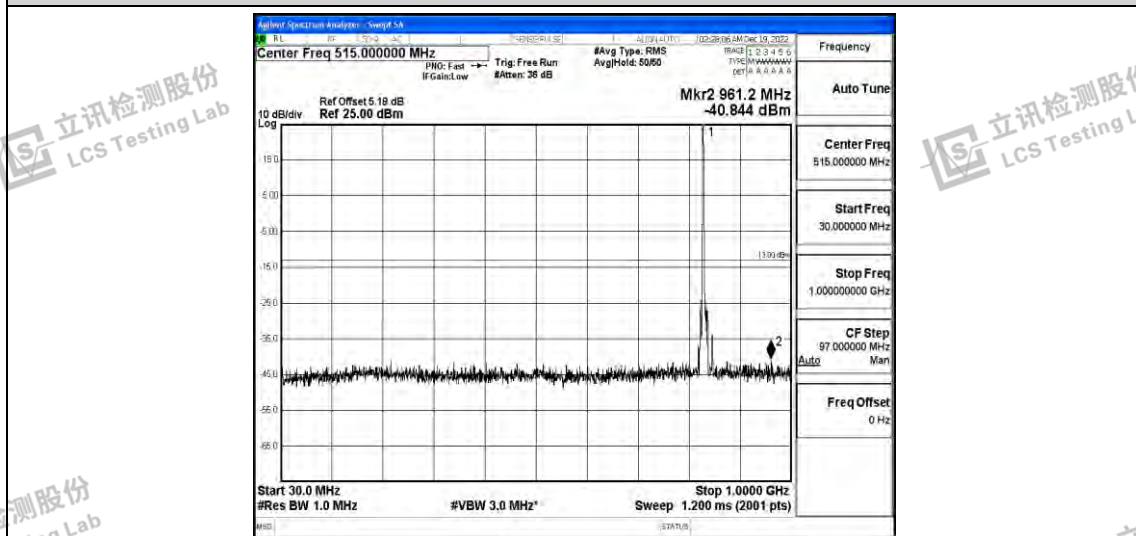




Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz

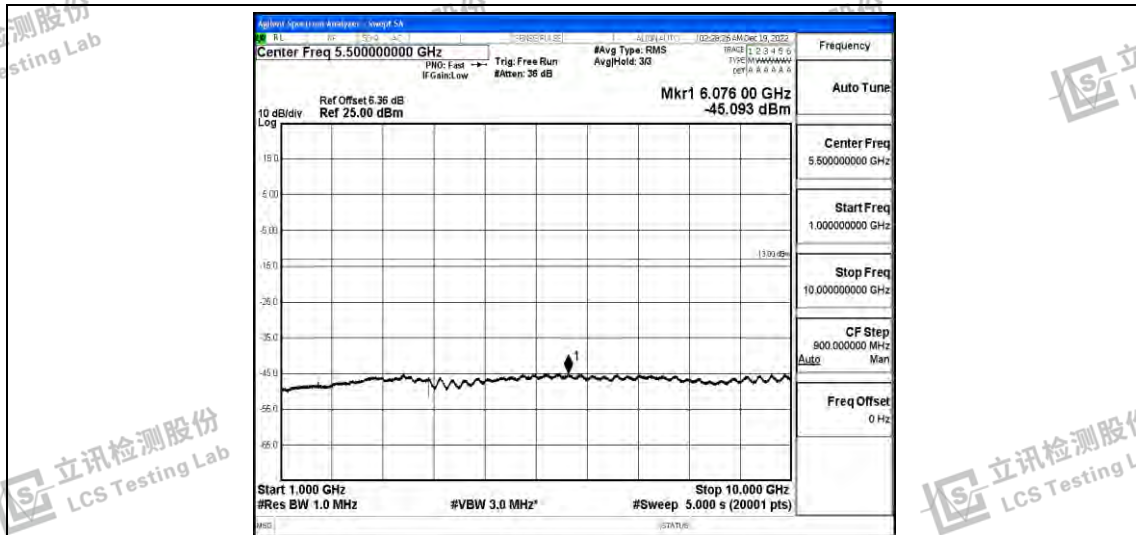


Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

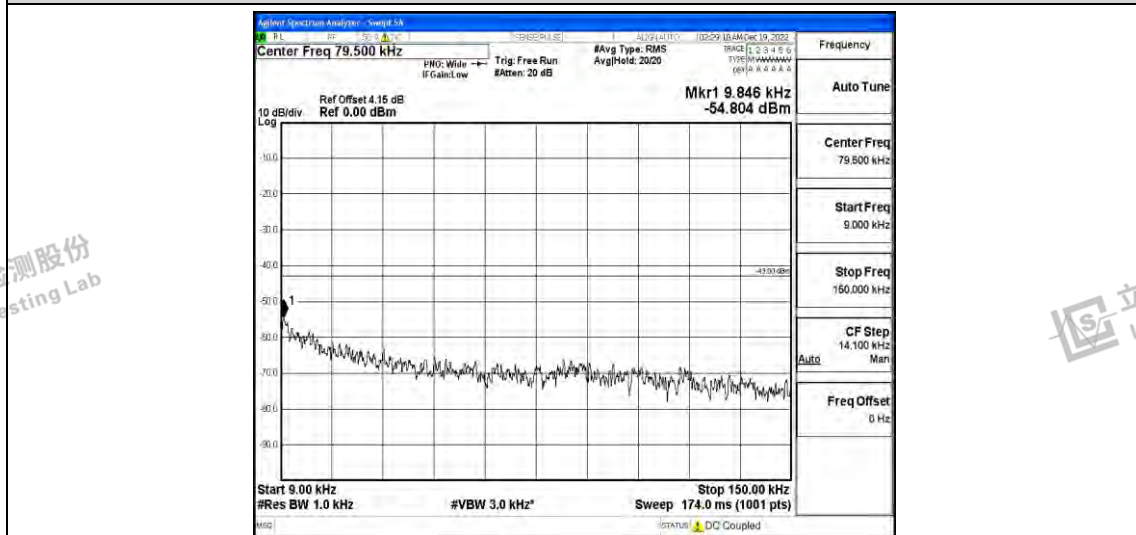


Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

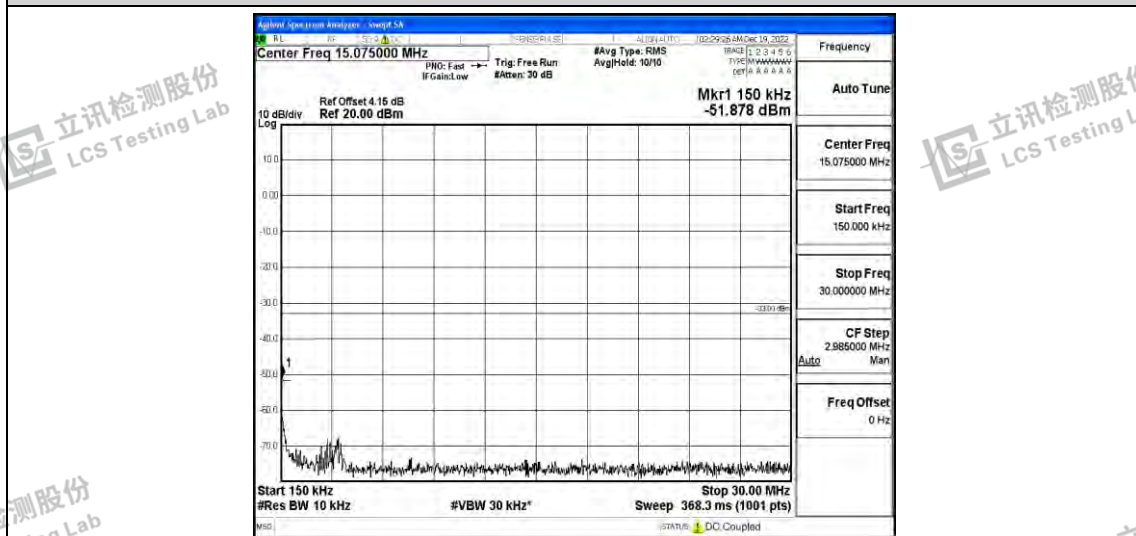




Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz

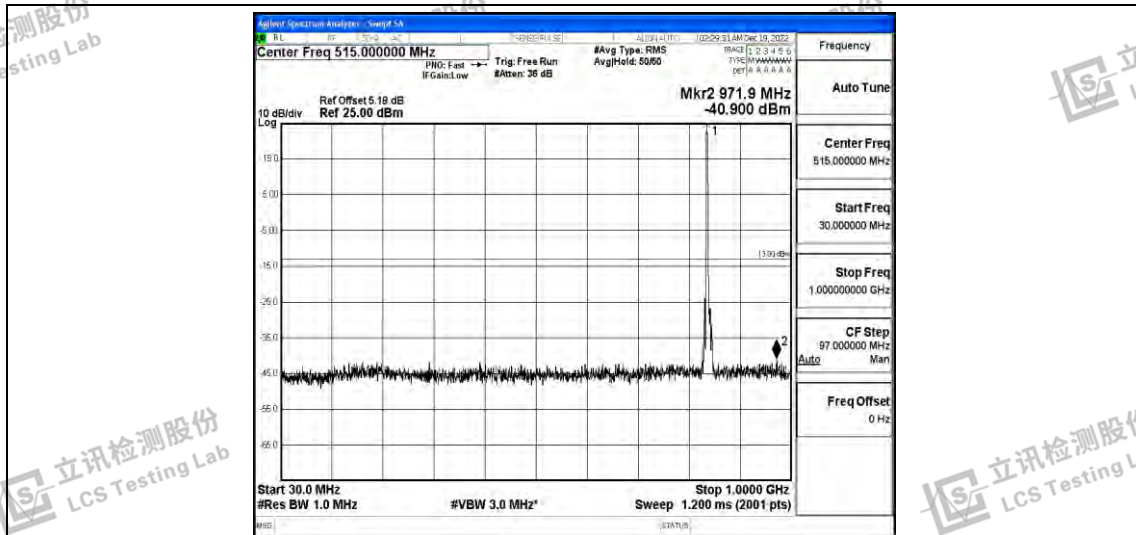


Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz

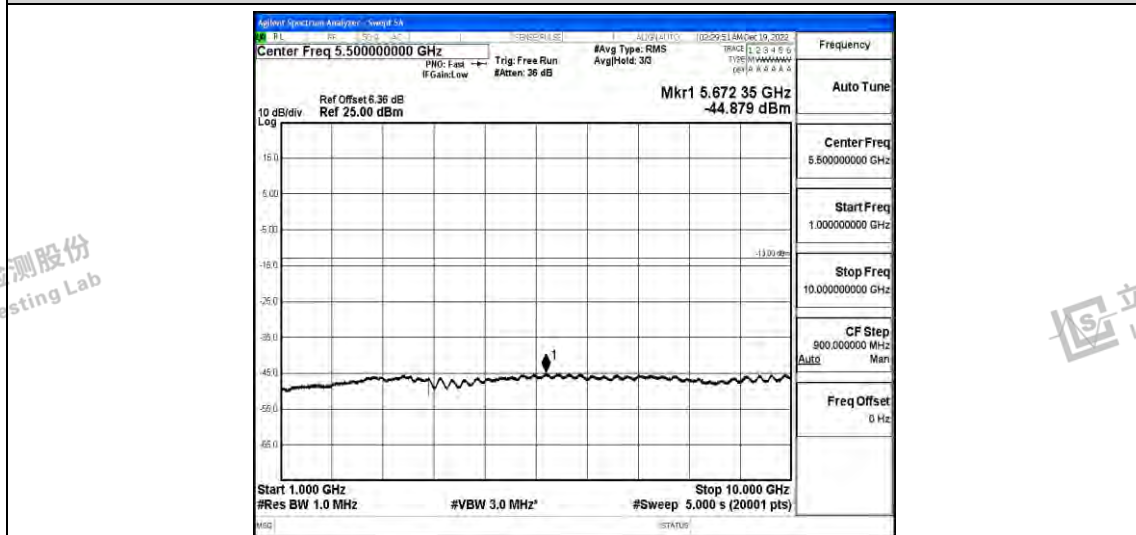


Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz

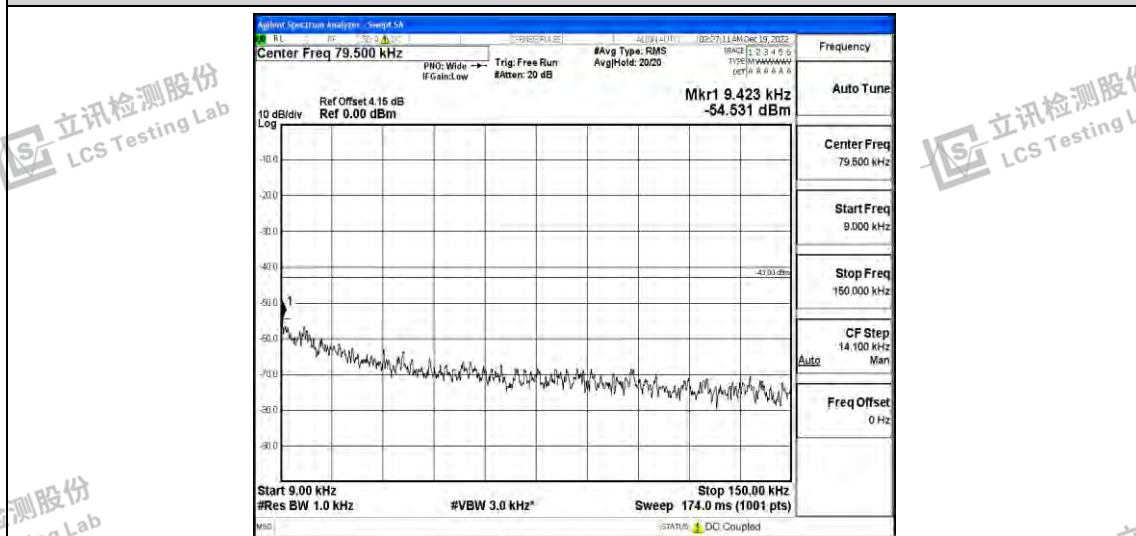




Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range1:0.009~0.15MHz

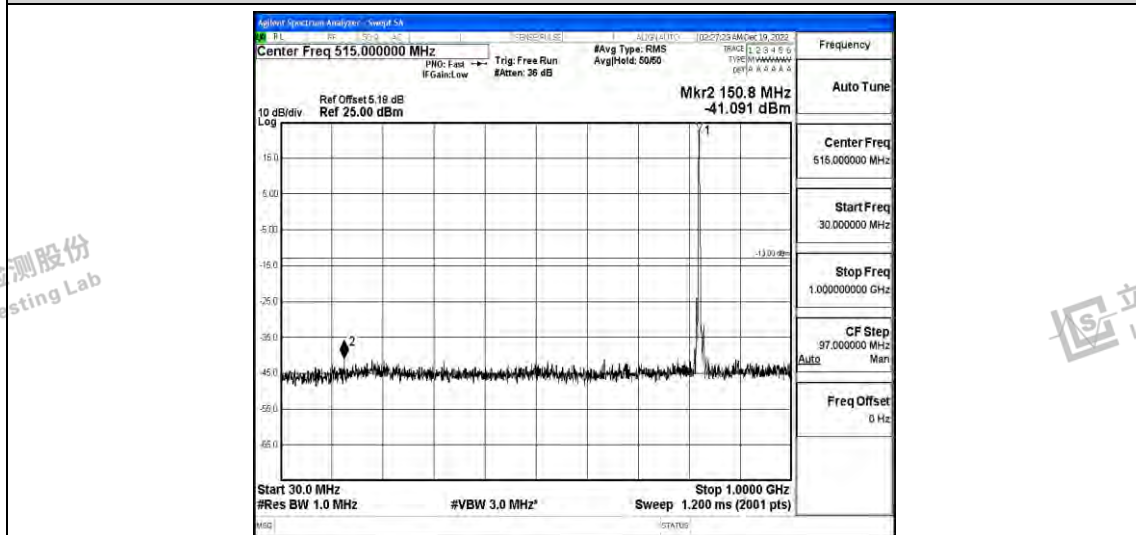


Band5-10MHz-16QAM-20450-1RB#0-Range2:0.15~30MHz





Band5-10MHz-16QAM-20450-1RB#0-Range3:30~1000MHz

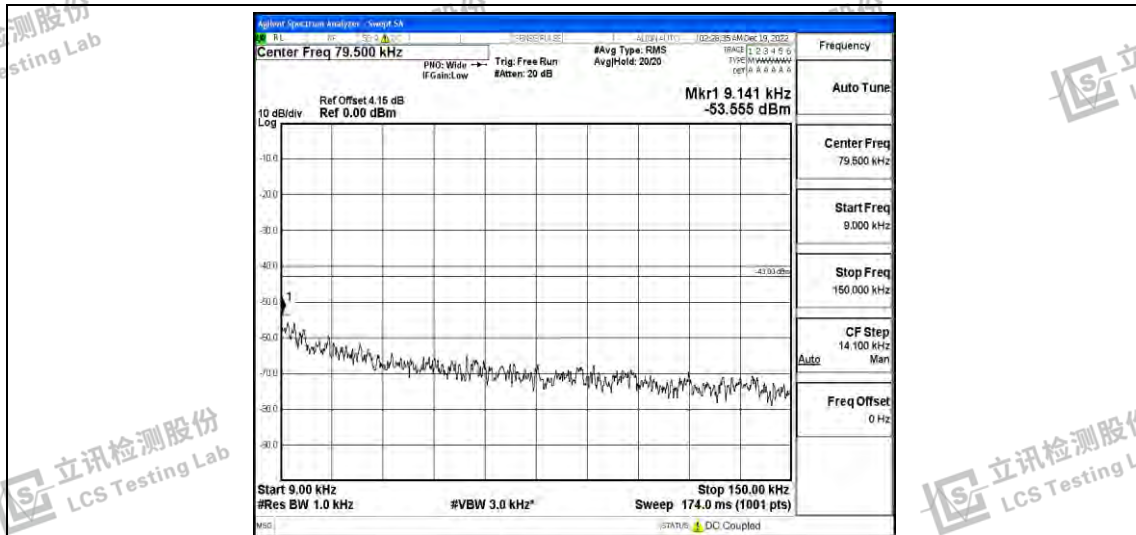


Band5-10MHz-16QAM-20450-1RB#0-Range4:1000~10000MHz

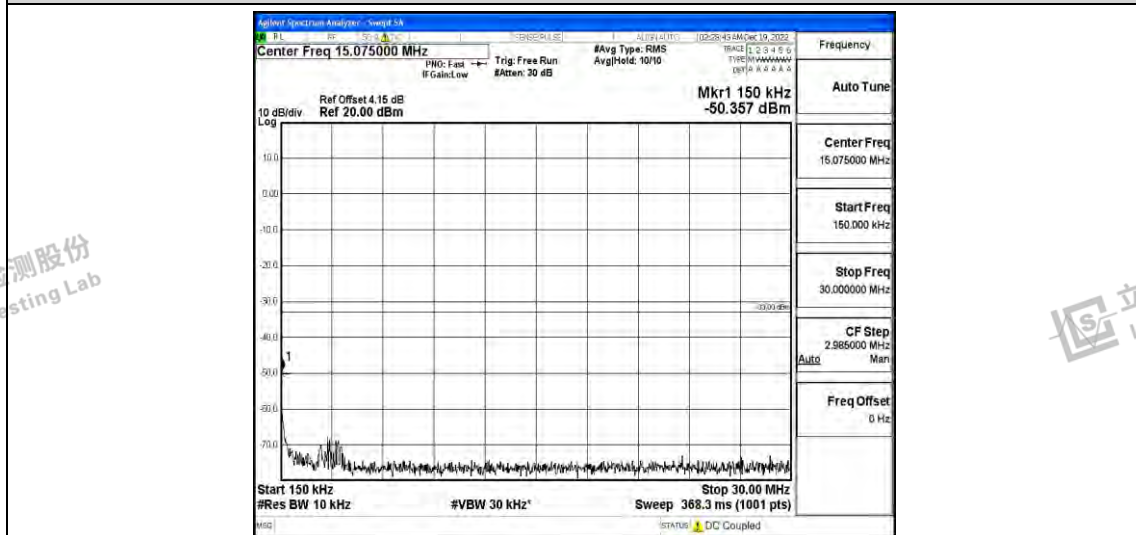


Band5-10MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

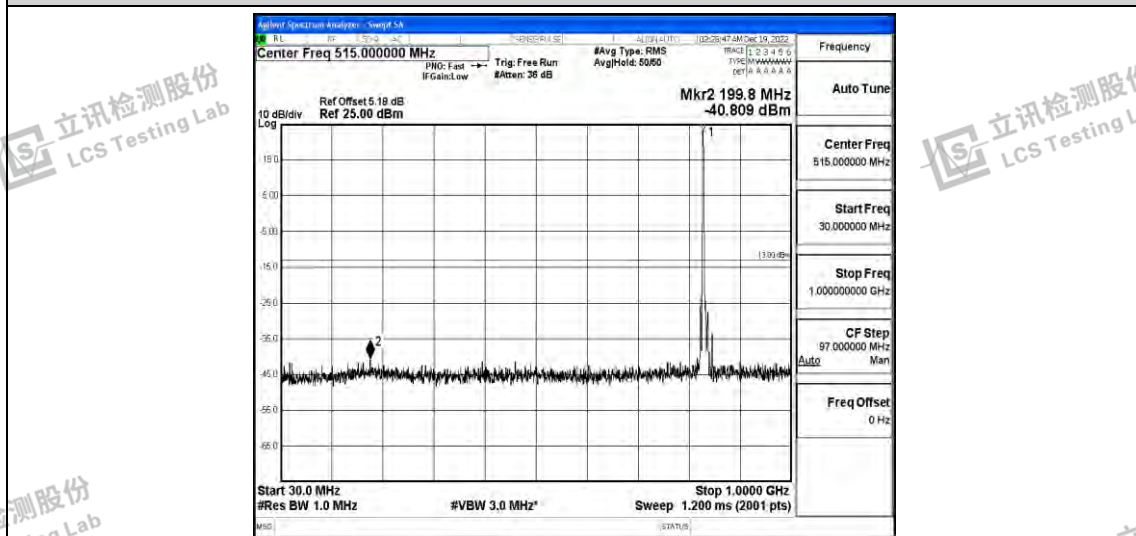




Band5-10MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz

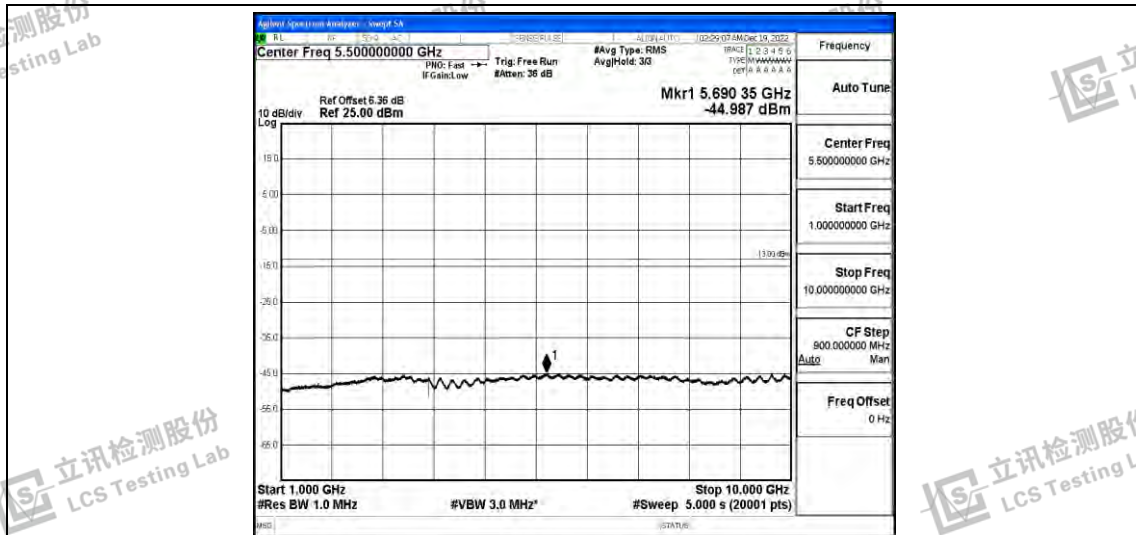


Band5-10MHz-16QAM-20525-1RB#0-Range3:30~1000MHz

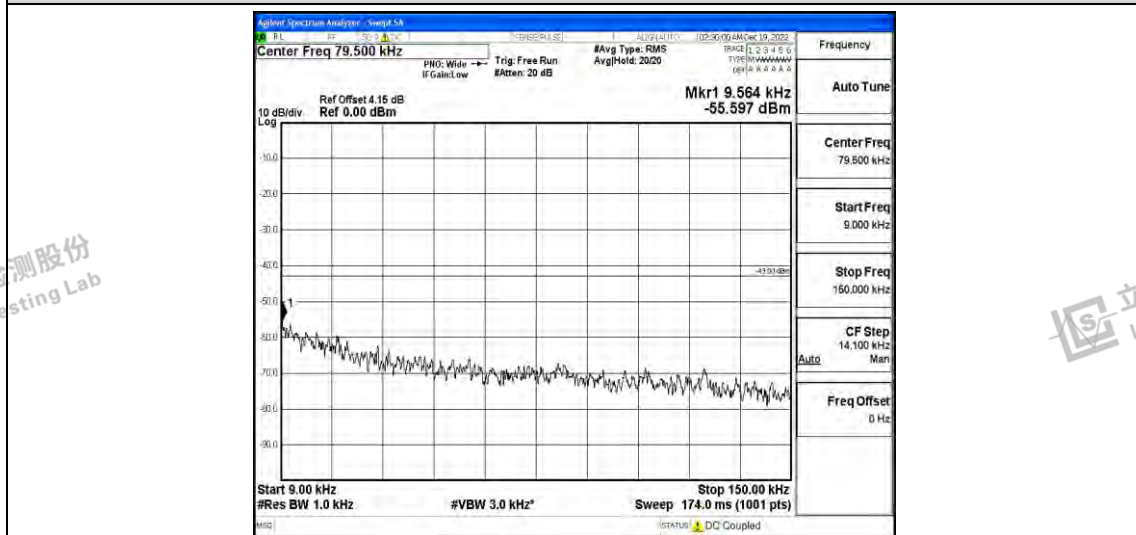


Band5-10MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

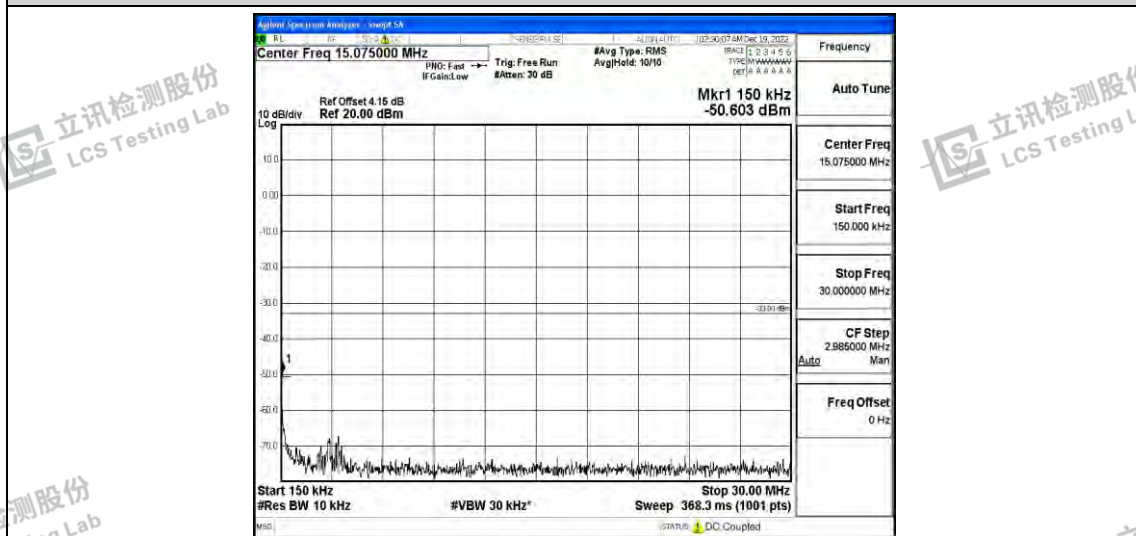




Band5-10MHz-16QAM-20600-1RB#0-Range1:0.009~0.15MHz

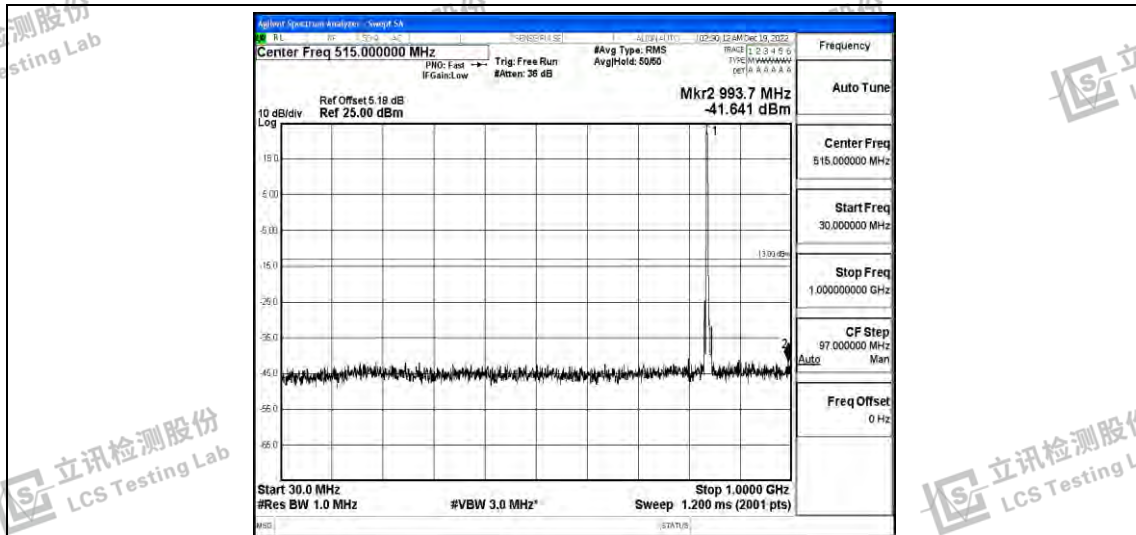


Band5-10MHz-16QAM-20600-1RB#0-Range2:0.15~30MHz



Band5-10MHz-16QAM-20600-1RB#0-Range3:30~1000MHz





Band5-10MHz-16QAM-20600-1RB#0-Range4:1000~10000MHz

