



Appendix I: Test Data for E-UTRA Band 12

Product Name: SmartHub
Test Model: SmartHub v2

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





I.1 Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	Low	20.68	PASS
Band12	1.4MHz	23017	QPSK	1	5	Low	20.48	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	18.26	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	20.43	PASS
Band12	1.4MHz	23095	QPSK	1	5	Low	20.38	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	18.45	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	20.64	PASS
Band12	1.4MHz	23173	QPSK	1	5	High	20.59	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	18.45	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	19.41	PASS
Band12	1.4MHz	23017	16QAM	1	5	Low	19.37	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	18.17	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	19.54	PASS
Band12	1.4MHz	23095	16QAM	1	5	Low	19.51	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	18.37	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	19.81	PASS
Band12	1.4MHz	23173	16QAM	1	5	High	19.74	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	18.46	PASS
Band12	3MHz	23025	QPSK	1	0	Low	20.32	PASS
Band12	3MHz	23025	QPSK	1	5	Low	20.24	PASS
Band12	3MHz	23025	QPSK	6	0	Low	18.16	PASS
Band12	3MHz	23095	QPSK	1	0	Low	20.47	PASS
Band12	3MHz	23095	QPSK	1	5	Low	20.40	PASS
Band12	3MHz	23095	QPSK	6	0	Low	18.32	PASS
Band12	3MHz	23165	QPSK	1	0	High	20.63	PASS
Band12	3MHz	23165	QPSK	1	5	High	20.41	PASS
Band12	3MHz	23165	QPSK	6	0	High	18.50	PASS
Band12	3MHz	23025	16QAM	1	0	Low	19.35	PASS
Band12	3MHz	23025	16QAM	1	5	Low	19.29	PASS
Band12	3MHz	23025	16QAM	6	0	Low	18.17	PASS
Band12	3MHz	23095	16QAM	1	0	Low	19.50	PASS
Band12	3MHz	23095	16QAM	1	5	Low	19.32	PASS
Band12	3MHz	23095	16QAM	6	0	Low	18.35	PASS





Band12	3MHz	23165	16QAM	1	0	High	19.70	PASS
Band12	3MHz	23165	16QAM	1	5	High	19.51	PASS
Band12	3MHz	23165	16QAM	6	0	High	18.40	PASS
Band12	5MHz	23035	QPSK	1	0	Low	20.69	PASS
Band12	5MHz	23035	QPSK	1	5	Low	20.57	PASS
Band12	5MHz	23035	QPSK	6	0	Low	19.22	PASS
Band12	5MHz	23095	QPSK	1	0	Low	20.45	PASS
Band12	5MHz	23095	QPSK	1	5	Low	20.71	PASS
Band12	5MHz	23095	QPSK	6	0	Low	19.41	PASS
Band12	5MHz	23155	QPSK	1	0	High	20.62	PASS
Band12	5MHz	23155	QPSK	1	5	High	20.64	PASS
Band12	5MHz	23155	QPSK	6	0	High	19.55	PASS
Band12	5MHz	23035	16QAM	1	0	Low	20.79	PASS
Band12	5MHz	23035	16QAM	1	5	Low	20.67	PASS
Band12	5MHz	23035	16QAM	6	0	Low	19.21	PASS
Band12	5MHz	23095	16QAM	1	0	Low	20.71	PASS
Band12	5MHz	23095	16QAM	1	5	Low	20.80	PASS
Band12	5MHz	23095	16QAM	6	0	Low	19.25	PASS
Band12	5MHz	23155	16QAM	1	0	High	20.95	PASS
Band12	5MHz	23155	16QAM	1	5	High	20.91	PASS
Band12	5MHz	23155	16QAM	6	0	High	19.38	PASS
Band12	10MHz	23060	QPSK	1	0	Low	20.70	PASS
Band12	10MHz	23060	QPSK	1	5	Low	20.55	PASS
Band12	10MHz	23060	QPSK	6	0	Low	19.23	PASS
Band12	10MHz	23095	QPSK	1	0	Low	20.55	PASS
Band12	10MHz	23095	QPSK	1	5	Low	20.61	PASS
Band12	10MHz	23095	QPSK	6	0	Low	19.34	PASS
Band12	10MHz	23130	QPSK	1	0	High	20.60	PASS
Band12	10MHz	23130	QPSK	1	5	High	20.79	PASS
Band12	10MHz	23130	QPSK	6	0	High	19.60	PASS
Band12	10MHz	23060	16QAM	1	0	Low	20.67	PASS
Band12	10MHz	23060	16QAM	1	5	Low	20.62	PASS
Band12	10MHz	23060	16QAM	6	0	Low	19.14	PASS
Band12	10MHz	23095	16QAM	1	0	Low	20.70	PASS
Band12	10MHz	23095	16QAM	1	5	Low	20.74	PASS
Band12	10MHz	23095	16QAM	6	0	Low	19.18	PASS
Band12	10MHz	23130	16QAM	1	0	High	21.03	PASS
Band12	10MHz	23130	16QAM	1	5	High	20.94	PASS
Band12	10MHz	23130	16QAM	6	0	High	19.44	PASS



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I.2 Peak-to-Average Ratio(CCDF) for M1

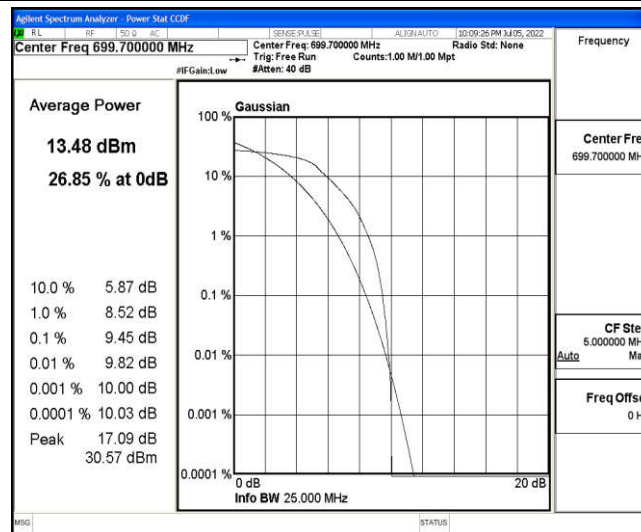
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	9.45	<=13	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	10.42	<=13	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	11.05	<=13	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	10.72	<=13	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	9.64	<=13	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	10.57	<=13	PASS
Band12	3MHz	23025	QPSK	6	0	Low	8.91	<=13	PASS
Band12	3MHz	23095	QPSK	6	0	Low	7.90	<=13	PASS
Band12	3MHz	23165	QPSK	6	0	High	9.03	<=13	PASS
Band12	3MHz	23025	16QAM	6	0	Low	10.37	<=13	PASS
Band12	3MHz	23095	16QAM	6	0	Low	9.37	<=13	PASS
Band12	3MHz	23165	16QAM	6	0	High	10.98	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	Low	9.68	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	Low	8.90	<=13	PASS
Band12	5MHz	23155	QPSK	6	0	High	9.69	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	Low	11.13	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	Low	9.73	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	High	10.00	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	Low	10.29	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	Low	10.63	<=13	PASS
Band12	10MHz	23130	QPSK	6	0	High	8.70	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	Low	8.46	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	Low	10.62	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	High	8.56	<=13	PASS

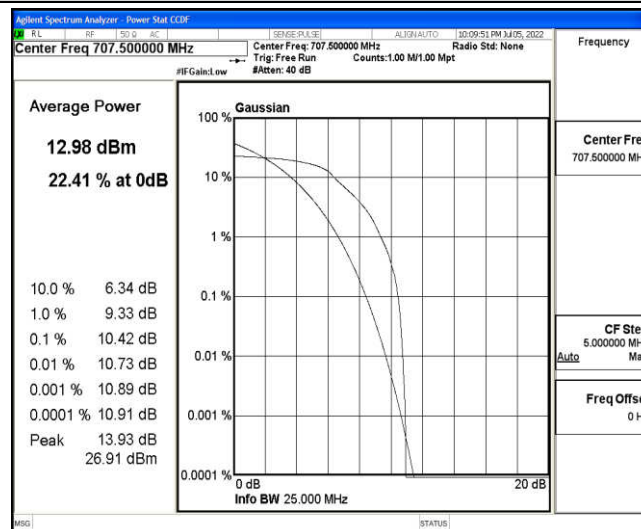




Test Graphs

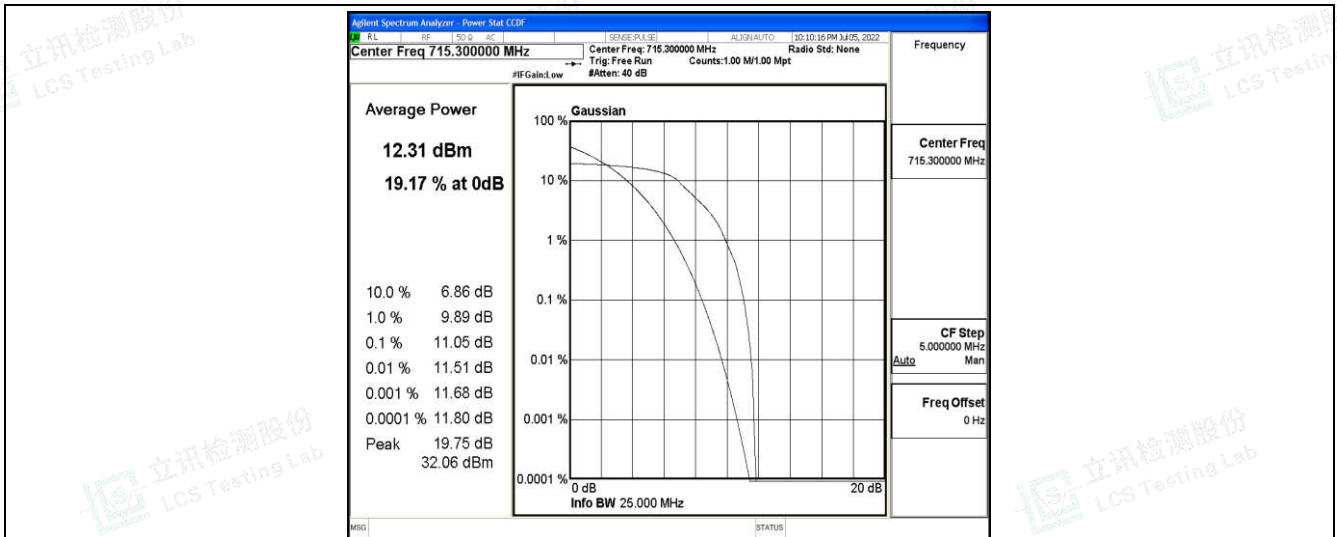


Band12-1.4MHz-QPSK-23017-6-0-Low-9.45-13-PASS

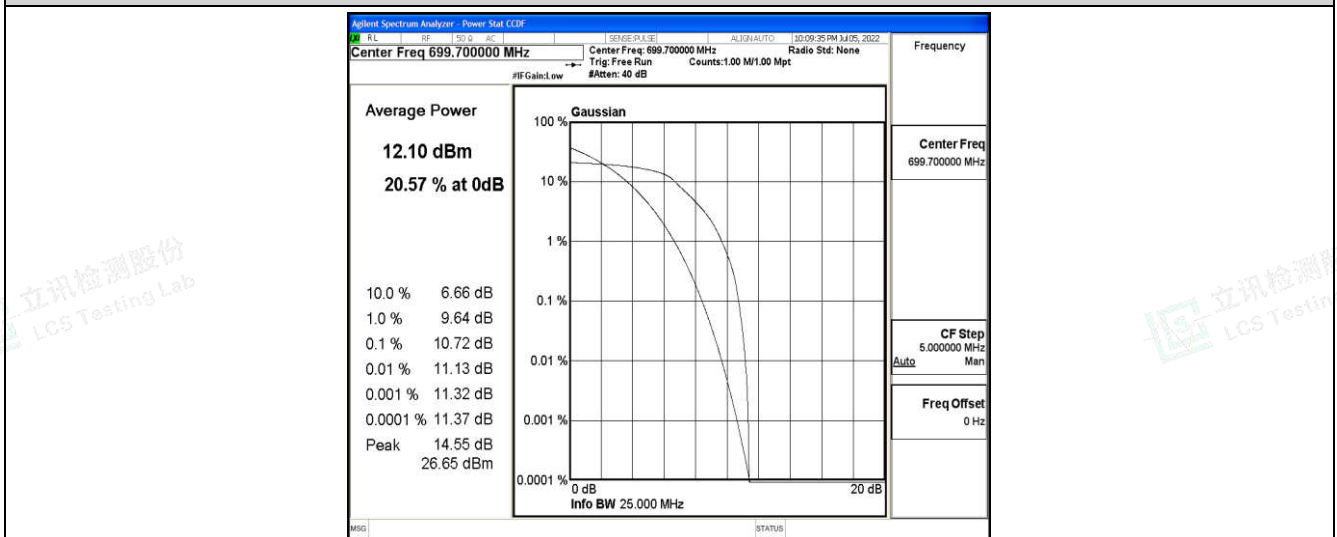


Band12-1.4MHz-QPSK-23095-6-0-Low-10.42-13-PASS

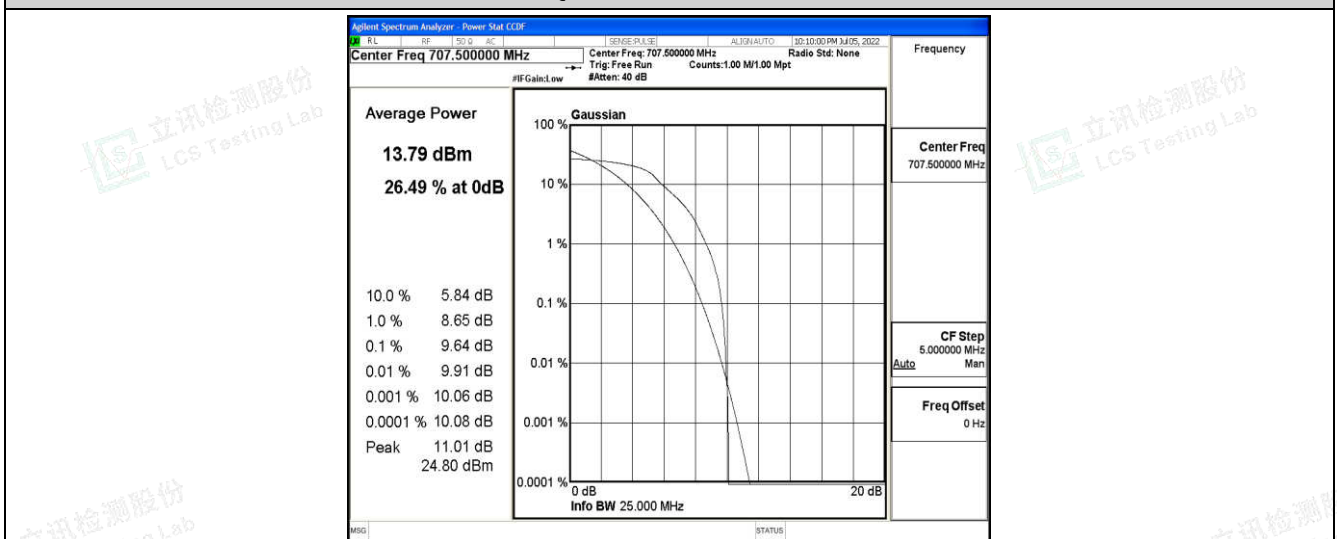




Band12-1.4MHz-QPSK-23173-6-0-High-11.05-<=13-PASS



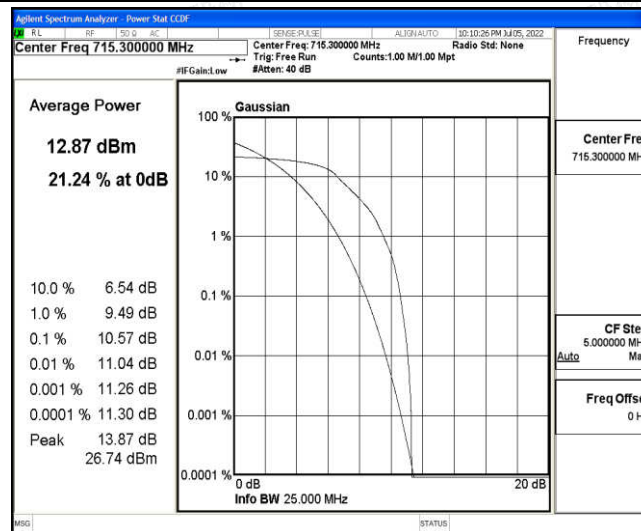
Band12-1.4MHz-16QAM-23017-6-0-Low-10.72-<=13-PASS



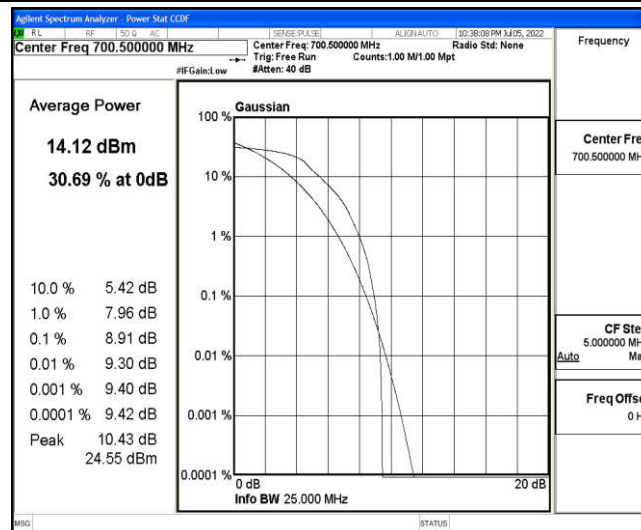
Band12-1.4MHz-16QAM-23095-6-0-Low-9.64-<=13-PASS



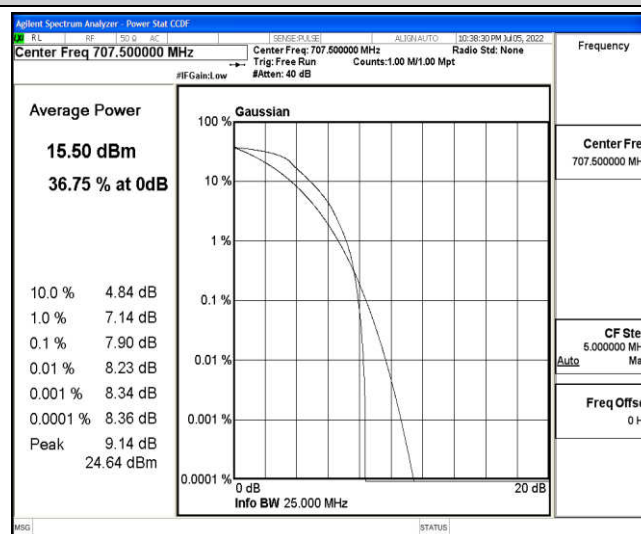
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Band12-1.4MHz-16QAM-23173-6-0-High-10.57-<=13-PASS

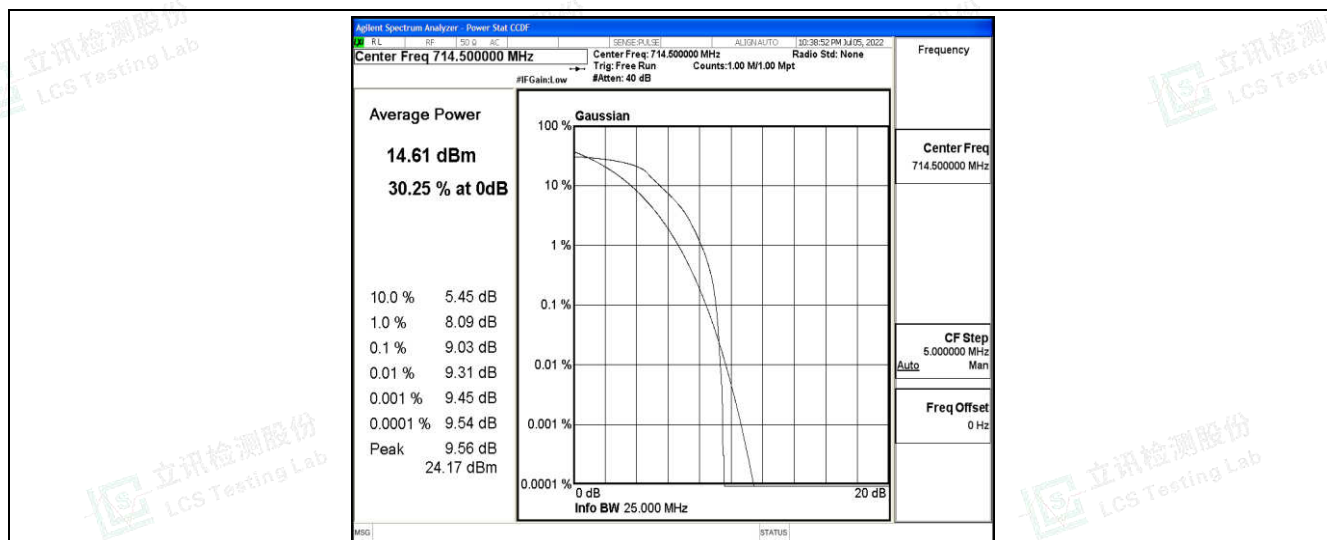


Band12-3MHz-QPSK-23025-6-0-Low-8.91-<=13-PASS

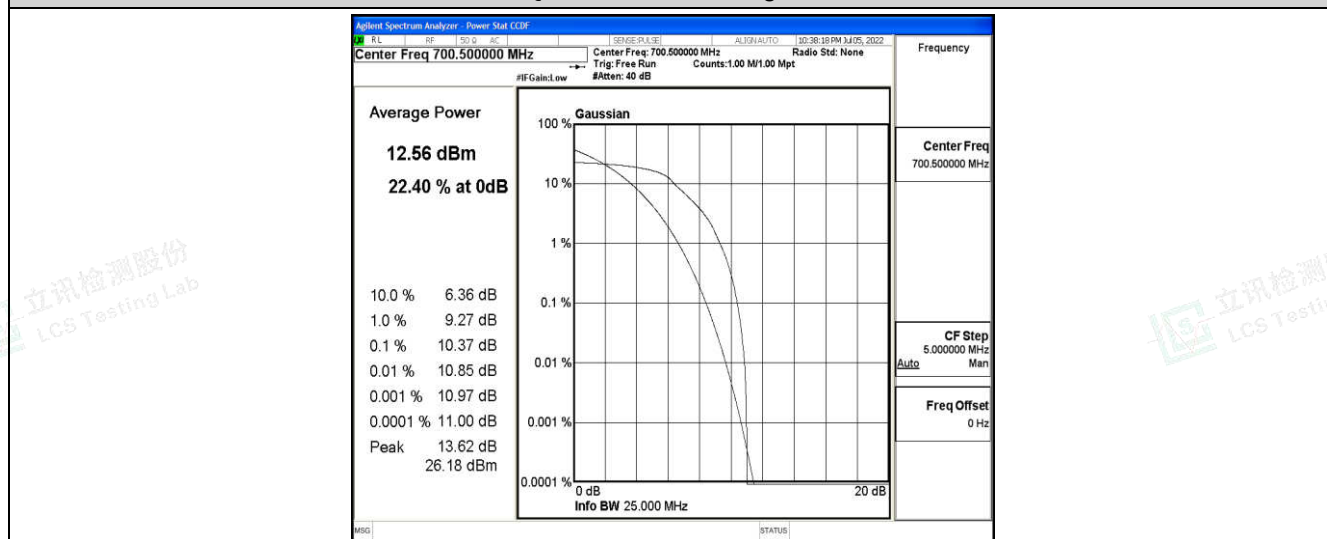


Band12-3MHz-QPSK-23095-6-0-Low-7.90-<=13-PASS

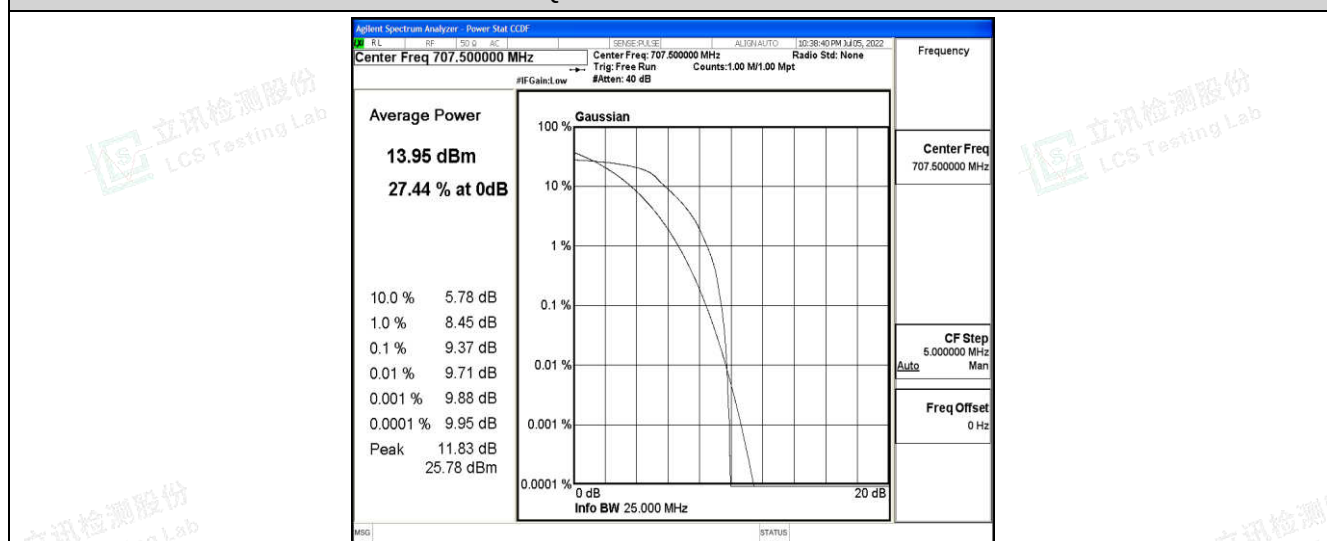




Band12-3MHz-QPSK-23165-6-0-High-9.03-<=13-PASS



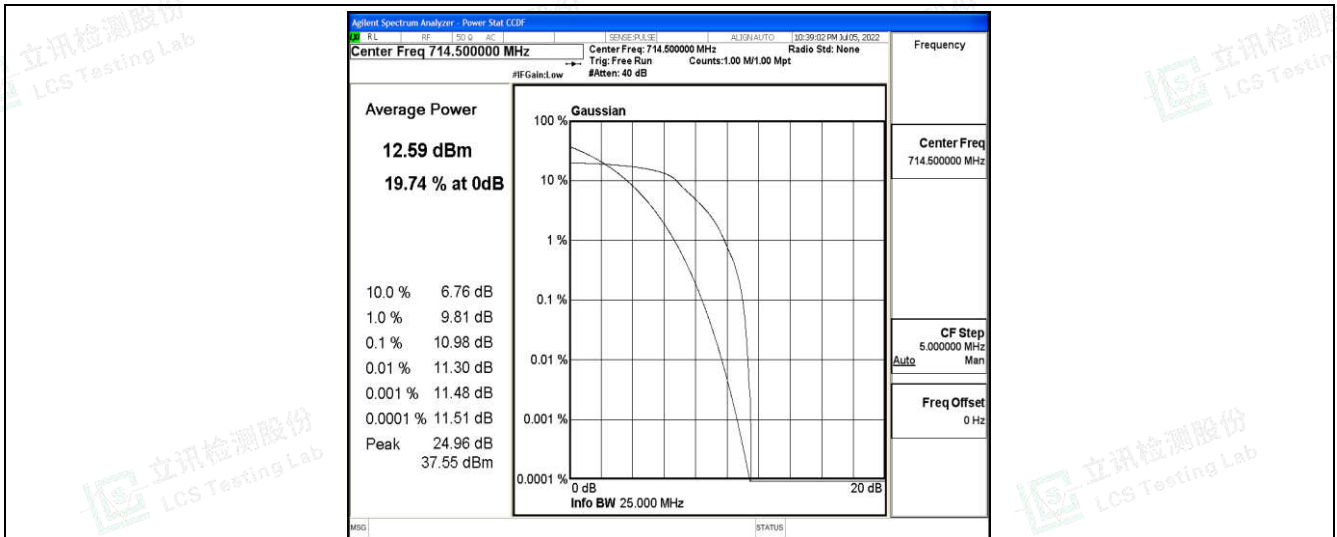
Band12-3MHz-16QAM-23025-6-0-Low-10.37-<=13-PASS



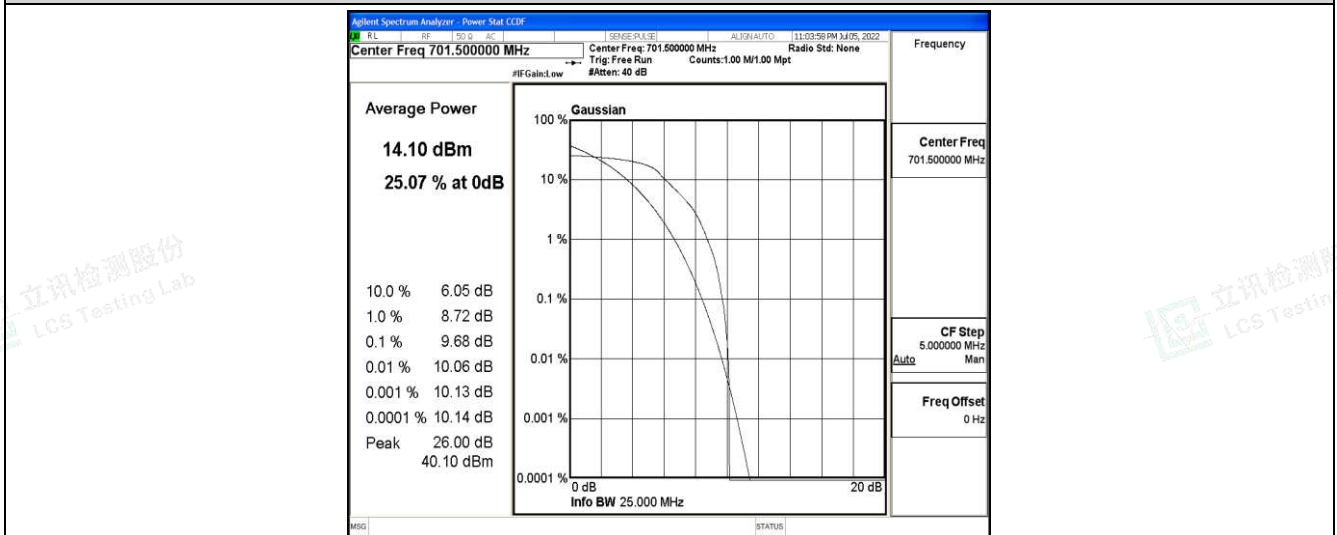
Band12-3MHz-16QAM-23095-6-0-Low-9.37-<=13-PASS



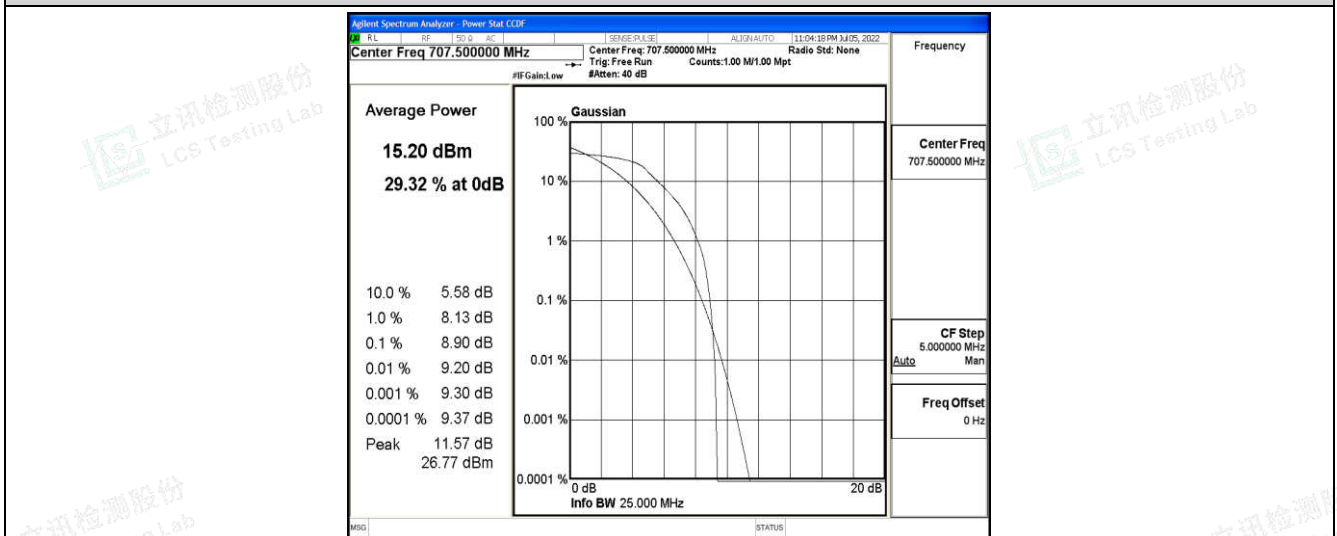
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Band12-3MHz-16QAM-23165-6-0-High-10.98-<=13-PASS

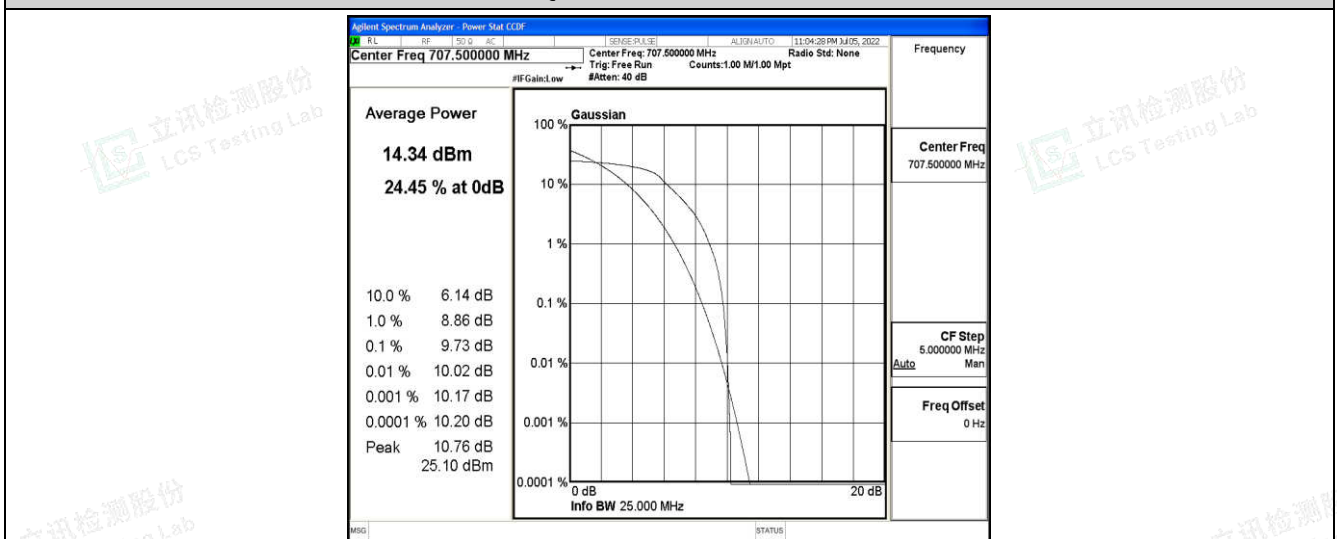
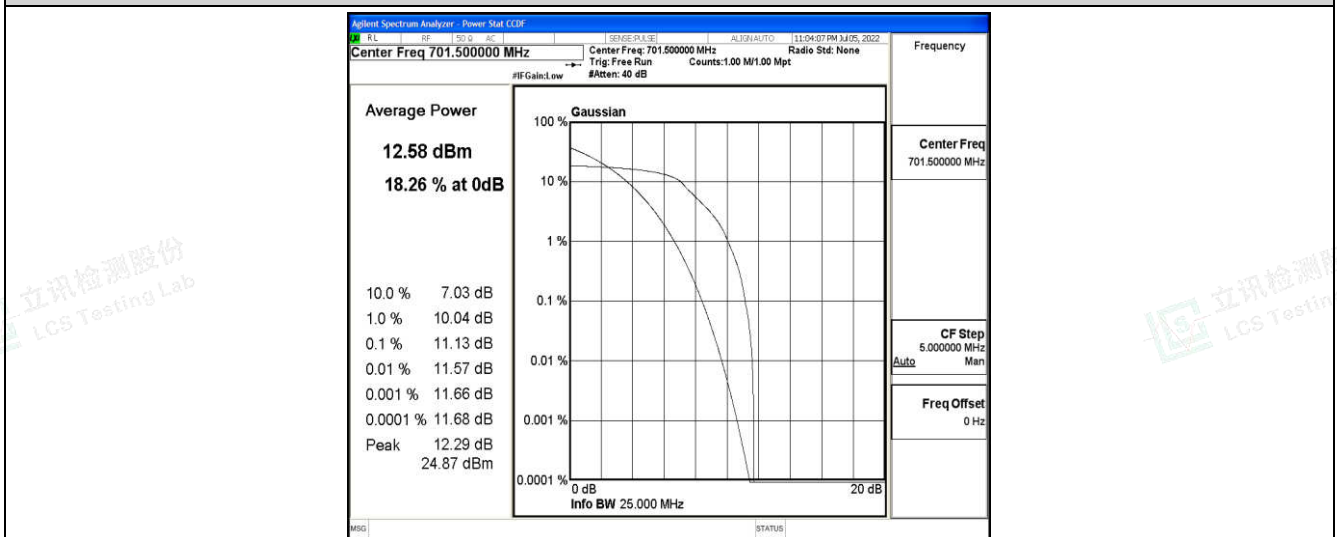
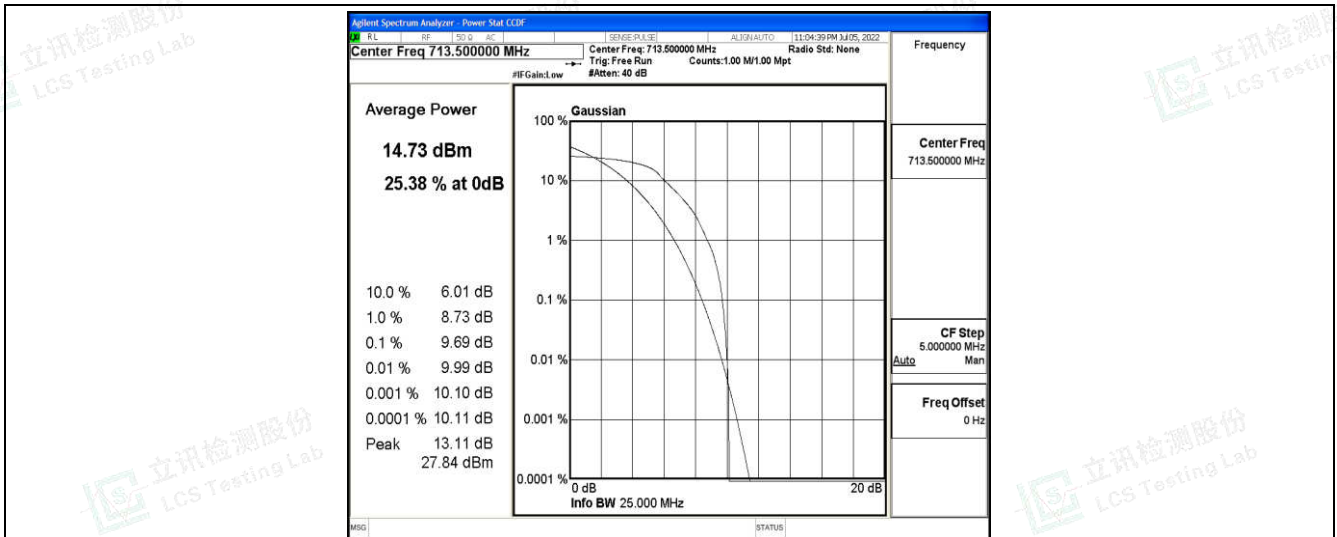


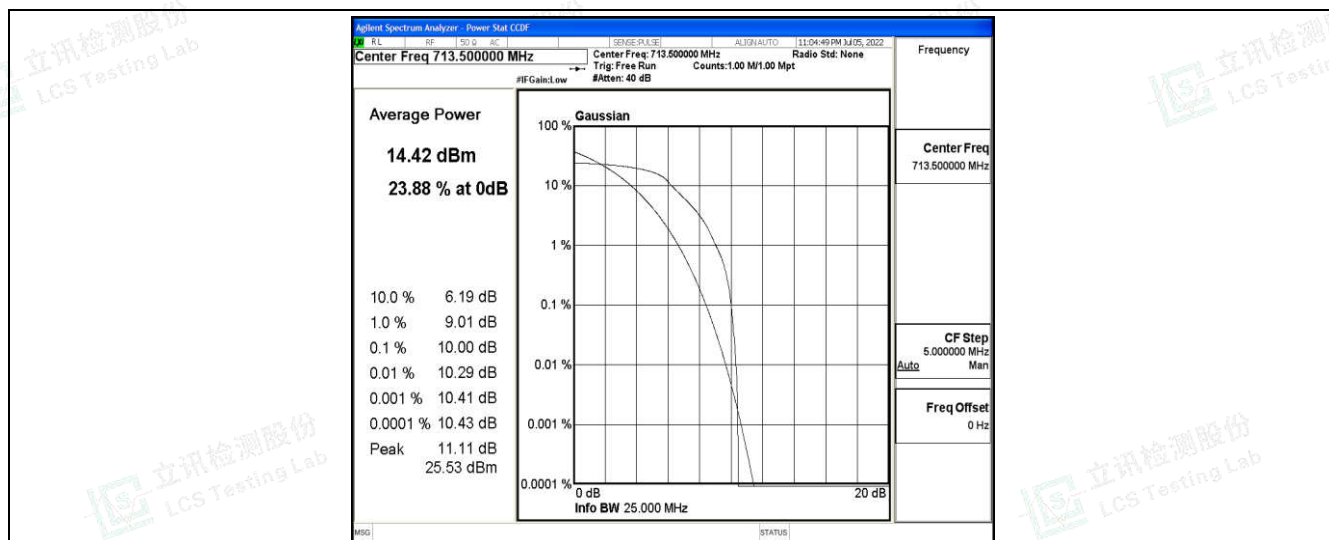
Band12-5MHz-QPSK-23035-6-0-Low-9.68-<=13-PASS



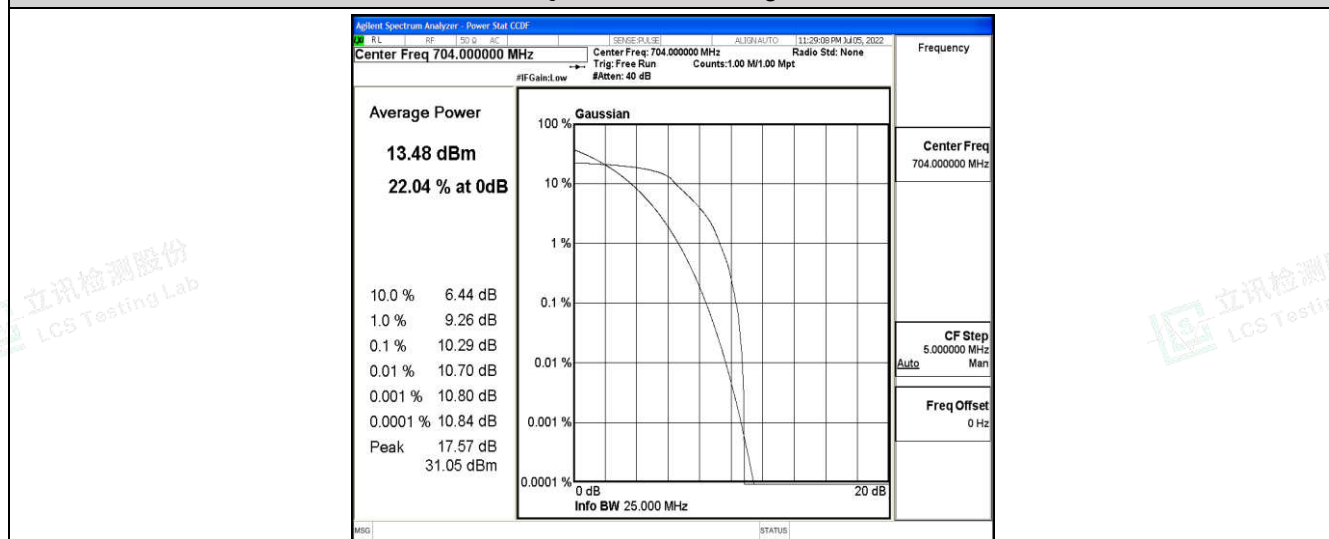
Band12-5MHz-QPSK-23095-6-0-Low-8.90-<=13-PASS



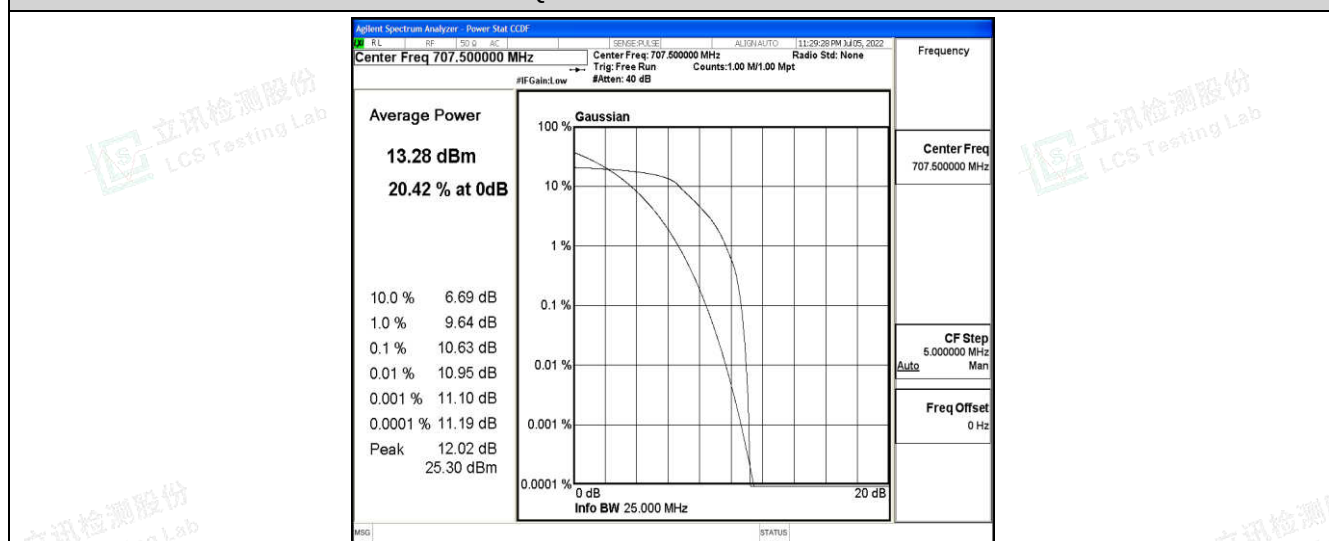




Band12-5MHz-16QAM-23155-6-0-High-10.00-<=13-PASS



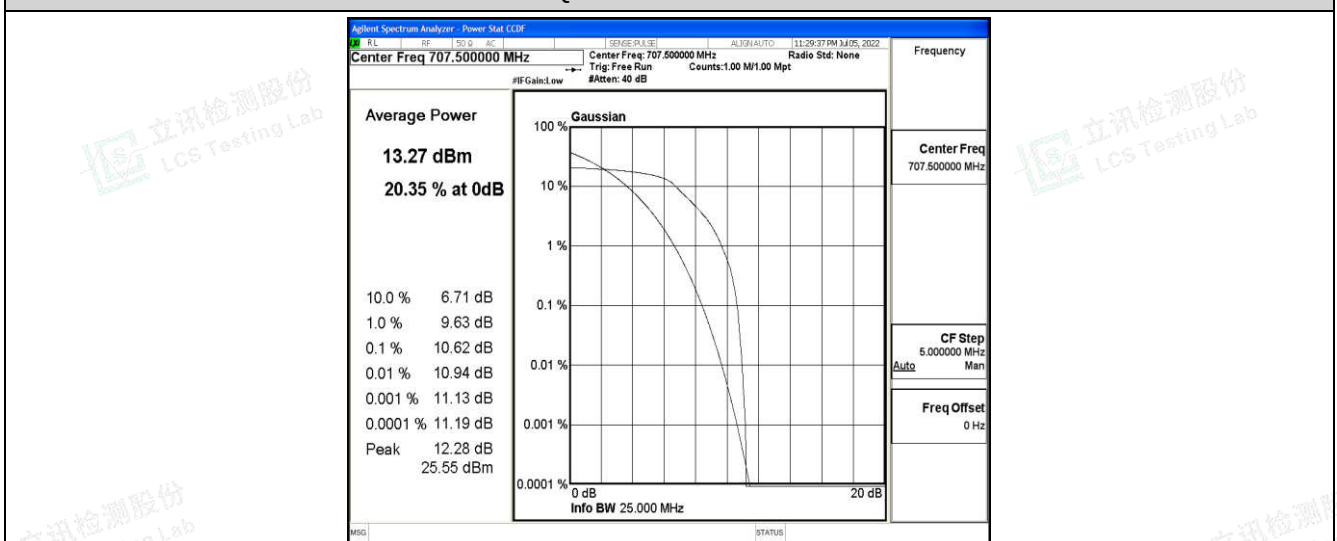
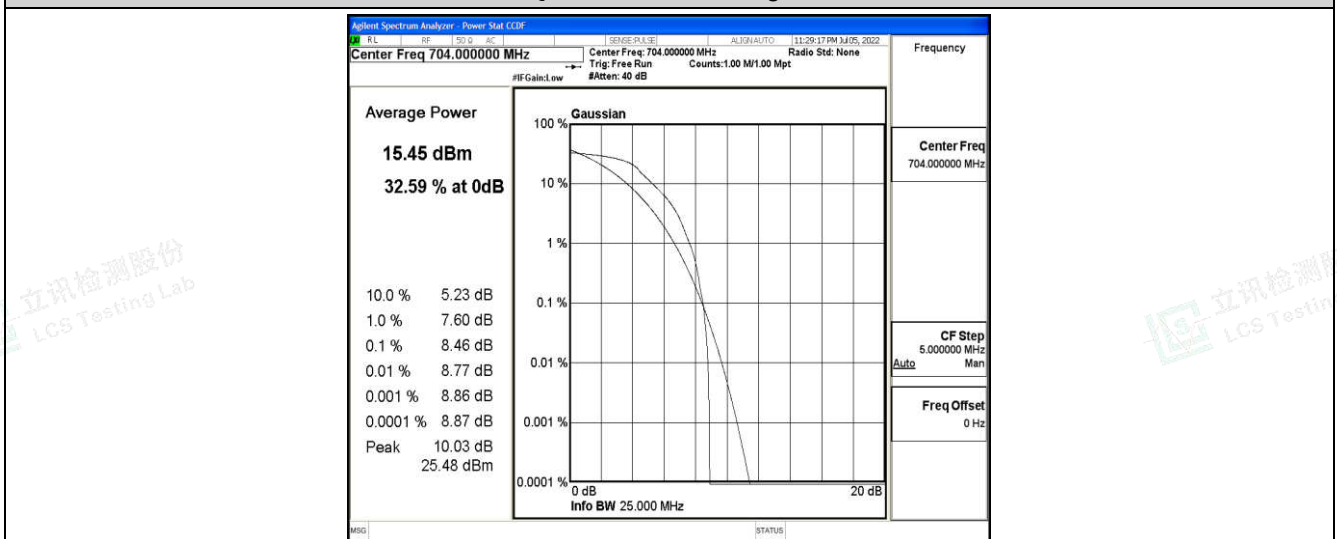
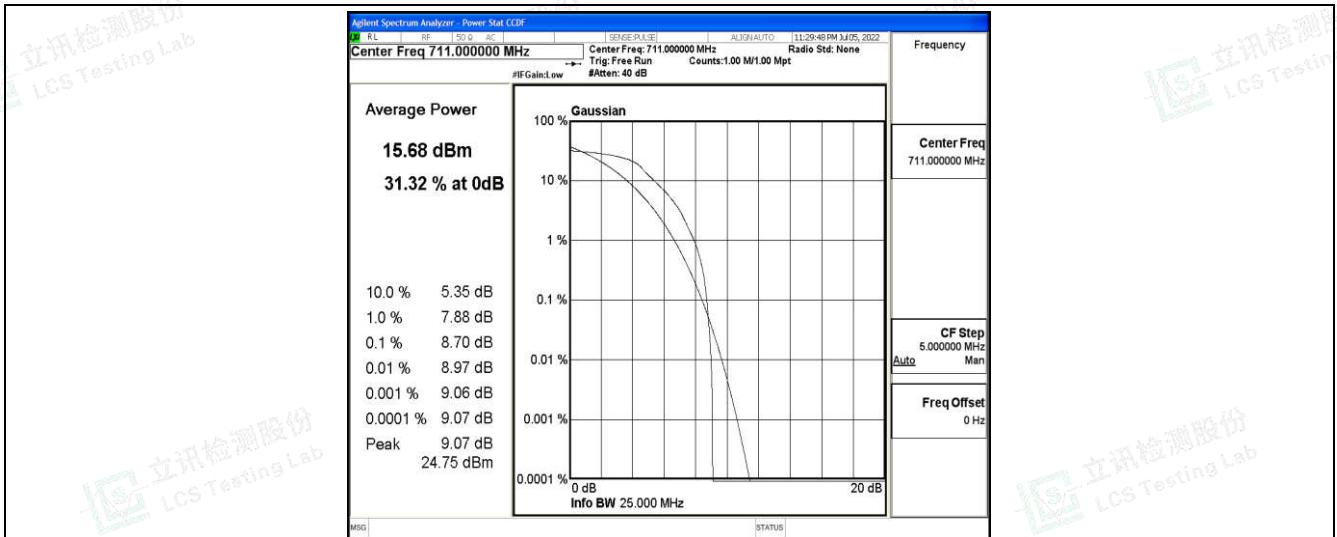
Band12-10MHz-QPSK-23060-6-0-Low-10.29-<=13-PASS

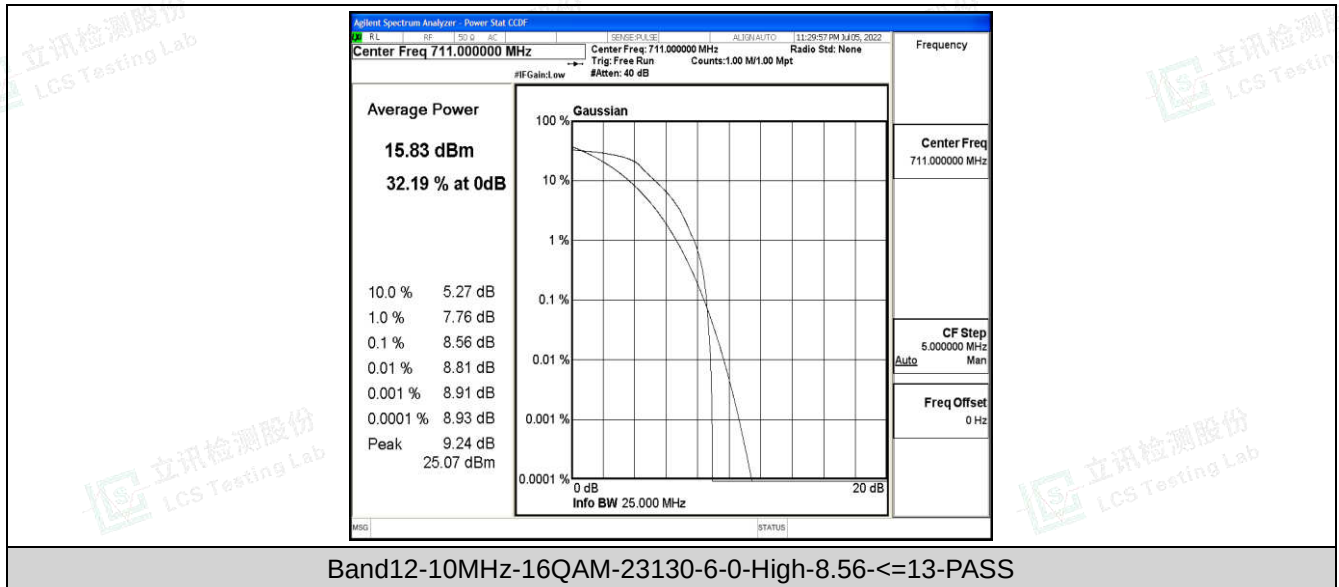


Band12-10MHz-QPSK-23095-6-0-Low-10.63-<=13-PASS



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I.3 26dB Bandwidth and Occupied Bandwidth for M1

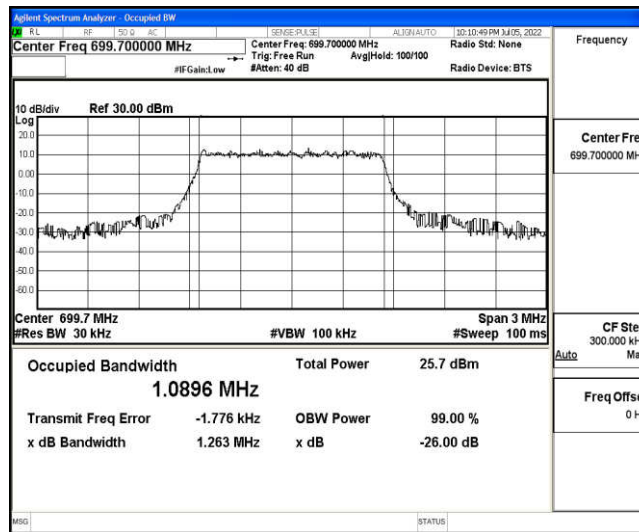
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	1.0896	1.263	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	1.1017	1.329	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	1.0946	1.295	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	1.0881	1.264	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	1.1049	1.310	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	1.0889	1.273	PASS
Band12	3MHz	23025	QPSK	6	0	Low	1.1164	1.363	PASS
Band12	3MHz	23095	QPSK	6	0	Low	1.1073	1.315	PASS
Band12	3MHz	23165	QPSK	6	0	High	1.1129	1.440	PASS
Band12	3MHz	23025	16QAM	6	0	Low	1.0972	1.366	PASS
Band12	3MHz	23095	16QAM	6	0	Low	1.1104	1.309	PASS
Band12	3MHz	23165	16QAM	6	0	High	1.1206	1.451	PASS
Band12	5MHz	23035	QPSK	6	0	Low	1.1693	1.477	PASS
Band12	5MHz	23095	QPSK	6	0	Low	1.1723	1.602	PASS
Band12	5MHz	23155	QPSK	6	0	High	1.1742	1.421	PASS
Band12	5MHz	23035	16QAM	6	0	Low	1.1808	1.497	PASS
Band12	5MHz	23095	16QAM	6	0	Low	1.1626	1.549	PASS
Band12	5MHz	23155	16QAM	6	0	High	1.1955	1.405	PASS
Band12	10MHz	23060	QPSK	6	0	Low	1.3468	2.091	PASS
Band12	10MHz	23095	QPSK	6	0	Low	1.3279	1.938	PASS
Band12	10MHz	23130	QPSK	6	0	High	1.3425	1.728	PASS
Band12	10MHz	23060	16QAM	6	0	Low	1.3442	2.199	PASS
Band12	10MHz	23095	16QAM	6	0	Low	1.3387	2.007	PASS
Band12	10MHz	23130	16QAM	6	0	High	1.3398	1.881	PASS

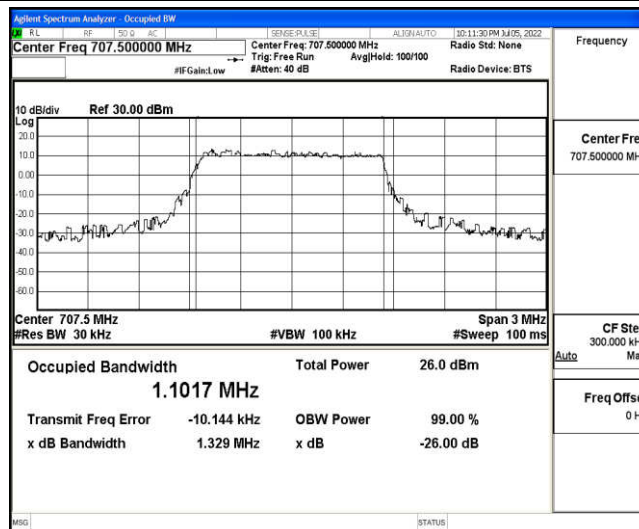




Test Graphs

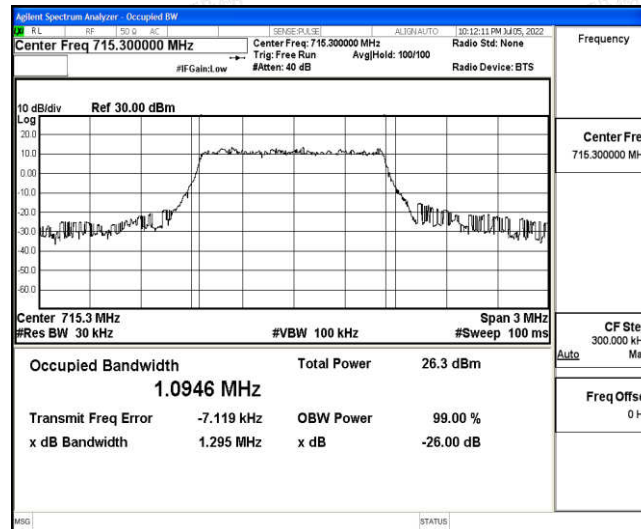


Band12-1.4MHz-QPSK-23017-6-0-Low-1.0896-1.263-PASS

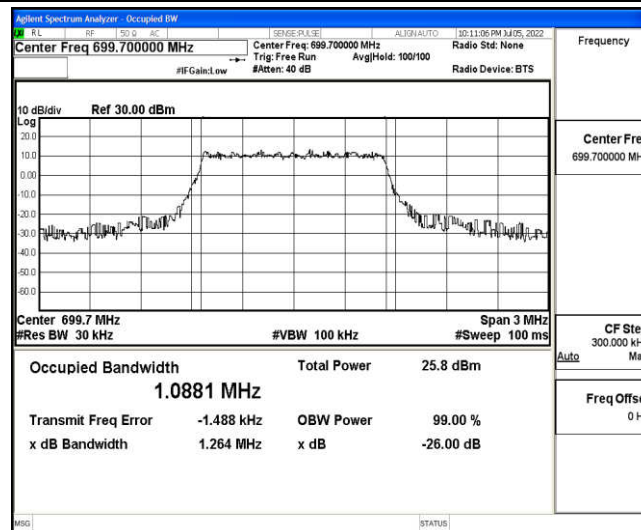


Band12-1.4MHz-QPSK-23095-6-0-Low-1.1017-1.329-PASS

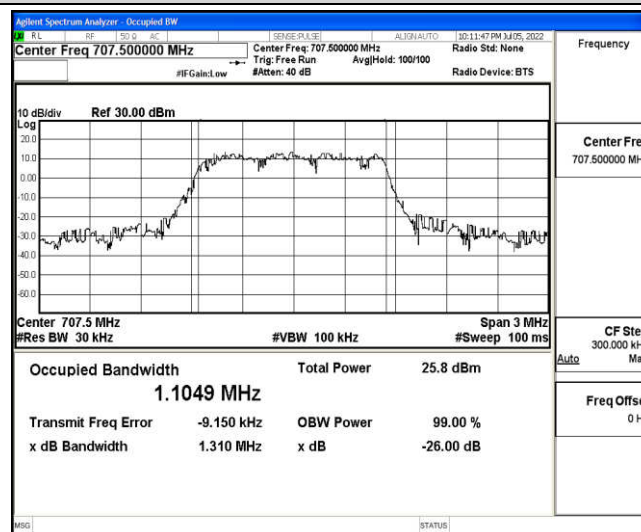




Band12-1.4MHz-QPSK-23173-6-0-High-1.0946-1.295-PASS



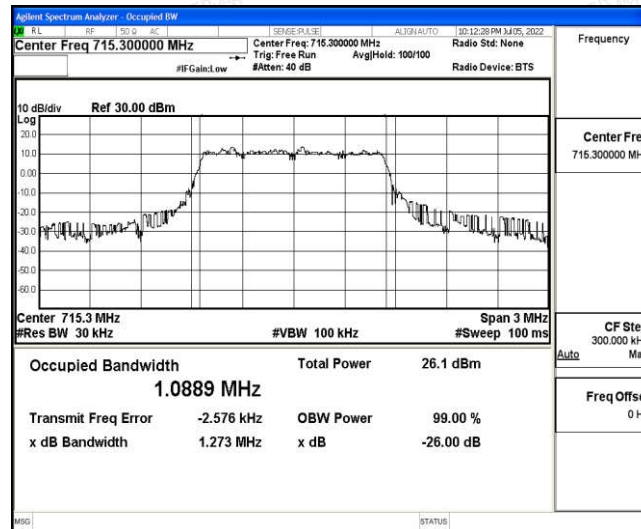
Band12-1.4MHz-16QAM-23017-6-0-Low-1.0881-1.264-PASS



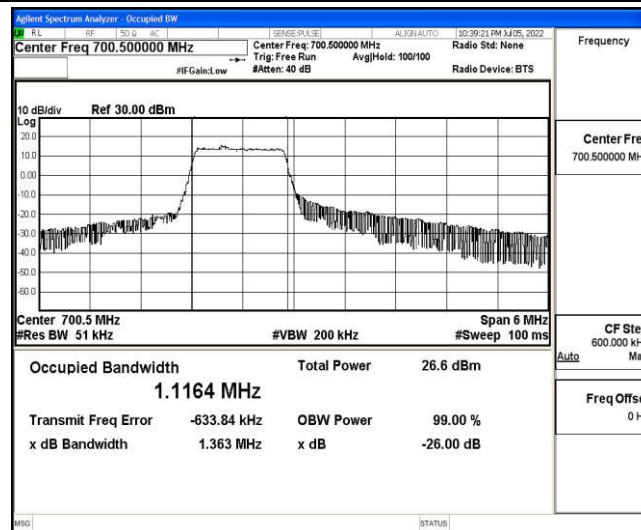
Band12-1.4MHz-16QAM-23095-6-0-Low-1.1049-1.310-PASS



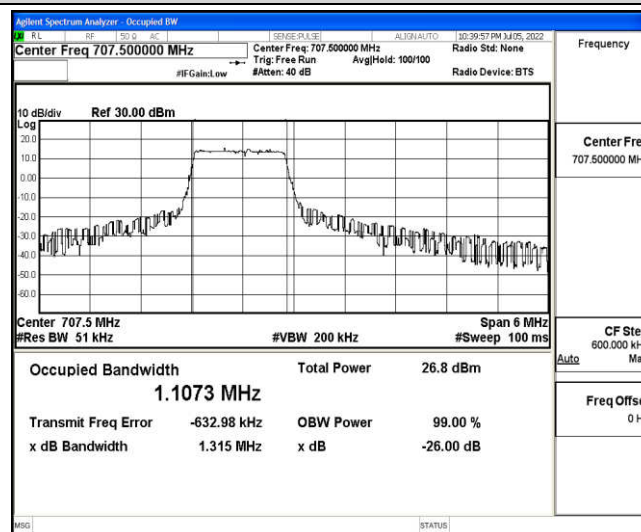
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Band12-1.4MHz-16QAM-23173-6-0-High-1.0889-1.273-PASS

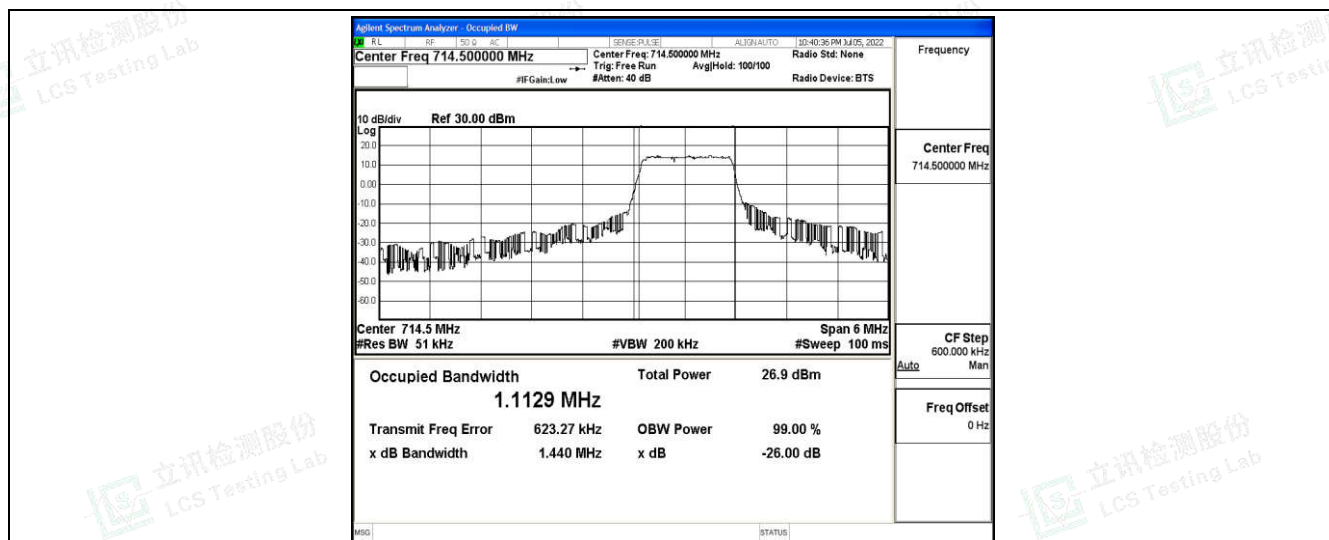


Band12-3MHz-QPSK-23025-6-0-Low-1.1164-1.363-PASS

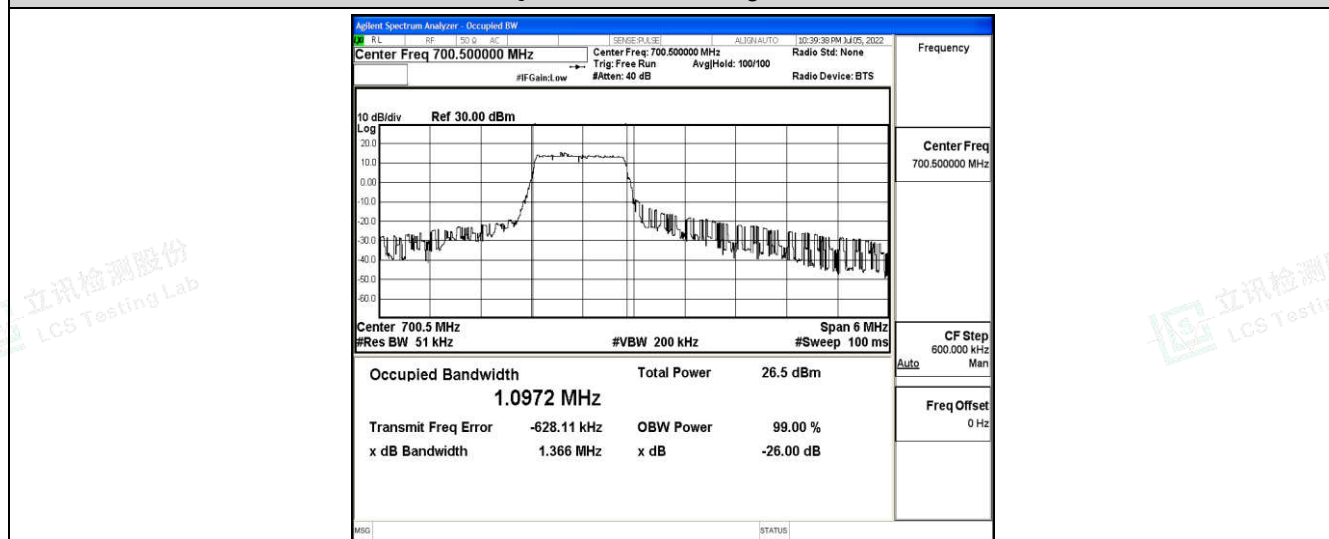


Band12-3MHz-QPSK-23095-6-0-Low-1.1073-1.315-PASS

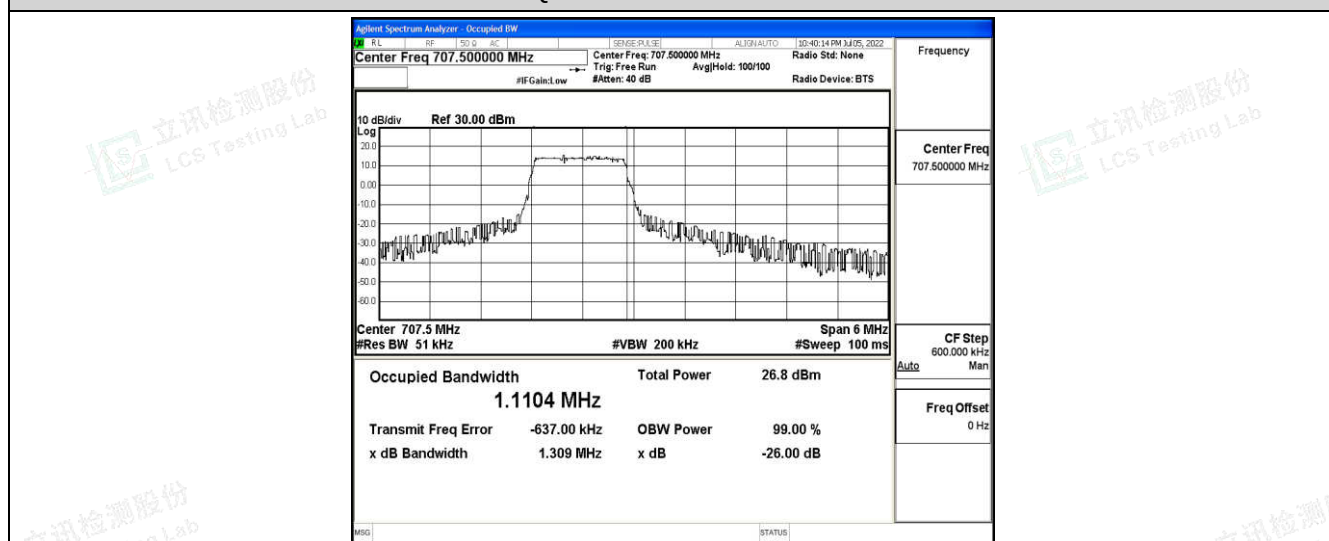




Band12-3MHz-QPSK-23165-6-0-High-1.1129-1.440-PASS



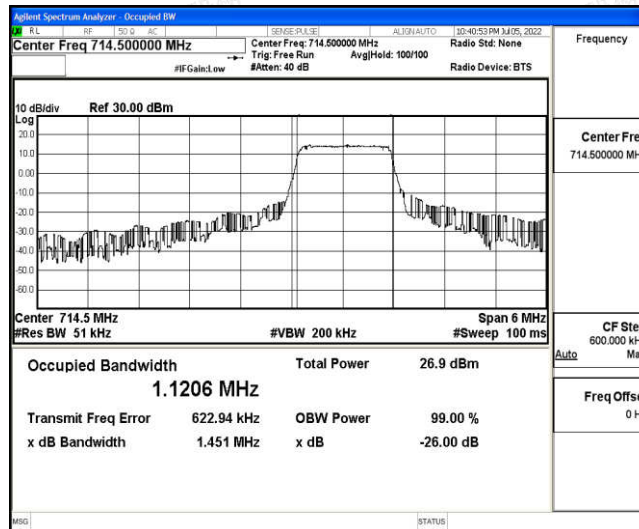
Band12-3MHz-16QAM-23025-6-0-Low-1.0972-1.366-PASS



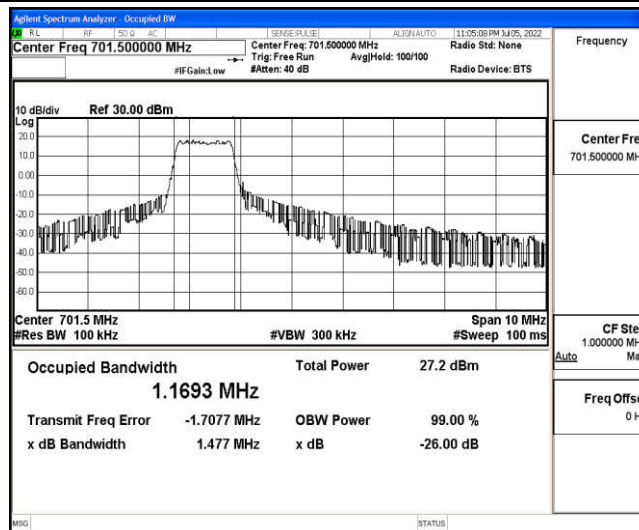
Band12-3MHz-16QAM-23095-6-0-Low-1.1104-1.309-PASS



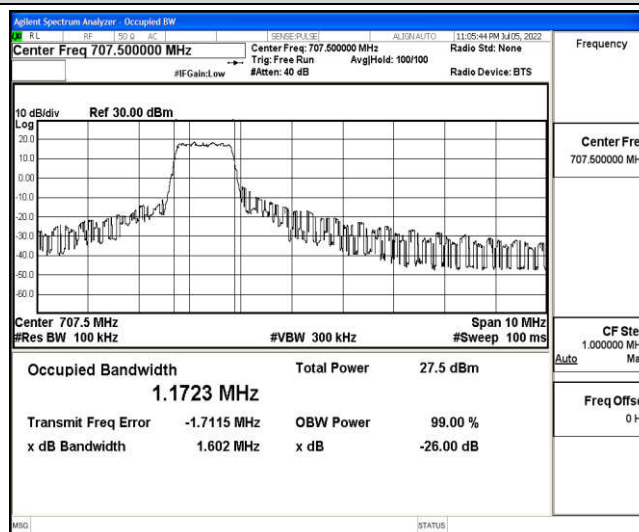
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Band12-3MHz-16QAM-23165-6-0-High-1.1206-1.451-PASS



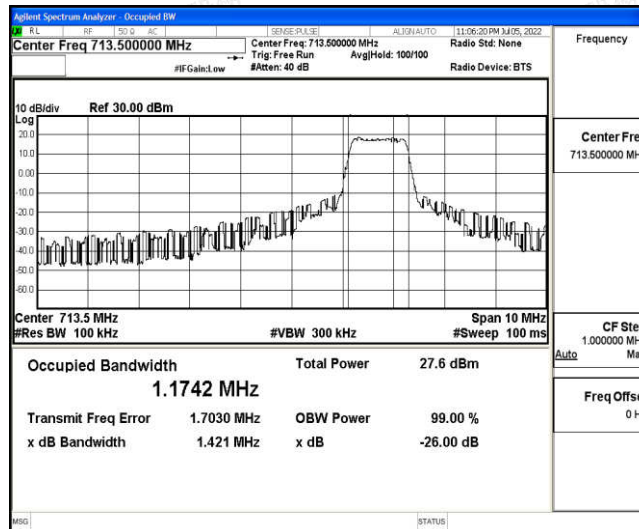
Band12-5MHz-QPSK-23035-6-0-Low-1.1693-1.477-PASS



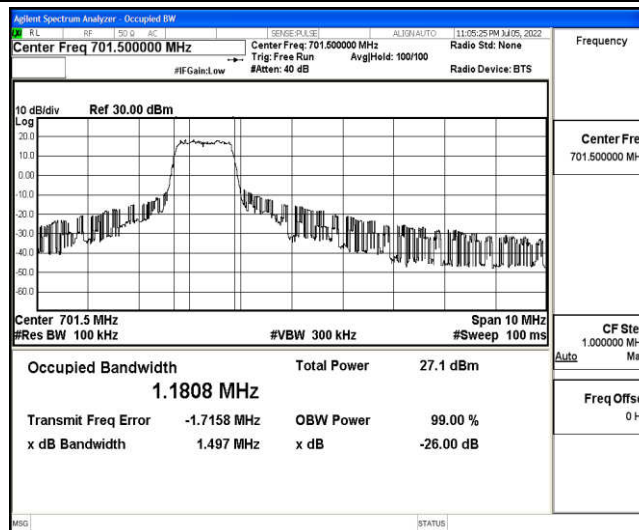
Band12-5MHz-QPSK-23095-6-0-Low-1.1723-1.602-PASS



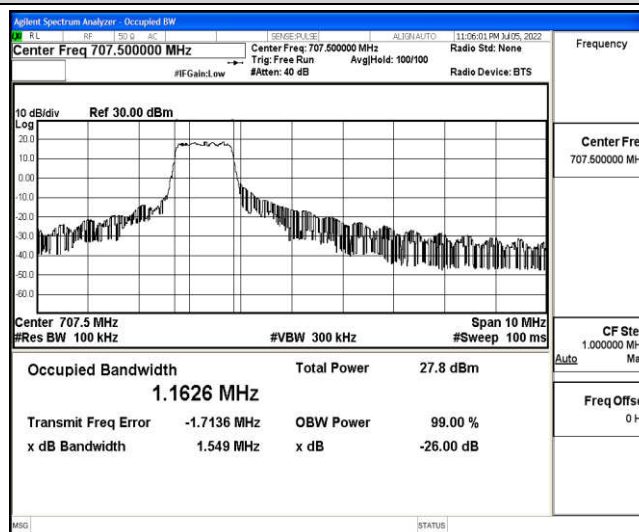
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Band12-5MHz-QPSK-23155-6-0-High-1.1742-1.421-PASS



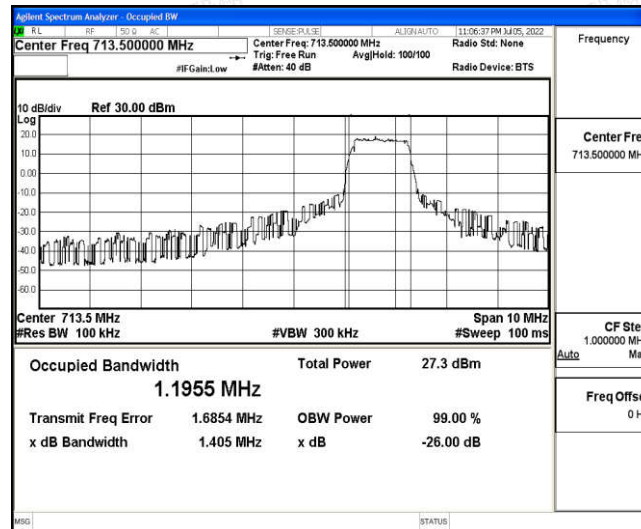
Band12-5MHz-16QAM-23035-6-0-Low-1.1808-1.497-PASS



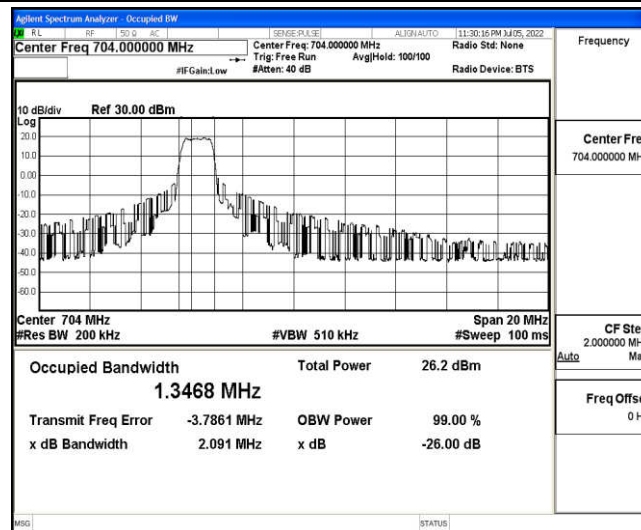
Band12-5MHz-16QAM-23095-6-0-Low-1.1626-1.549-PASS



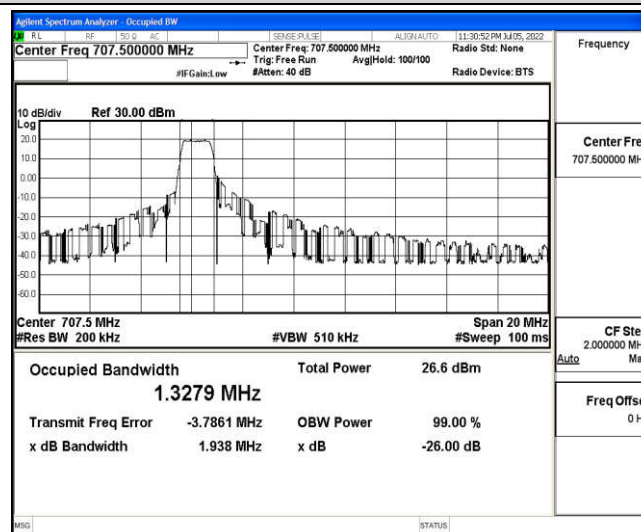
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Band12-5MHz-16QAM-23155-6-0-High-1.1955-1.405-PASS



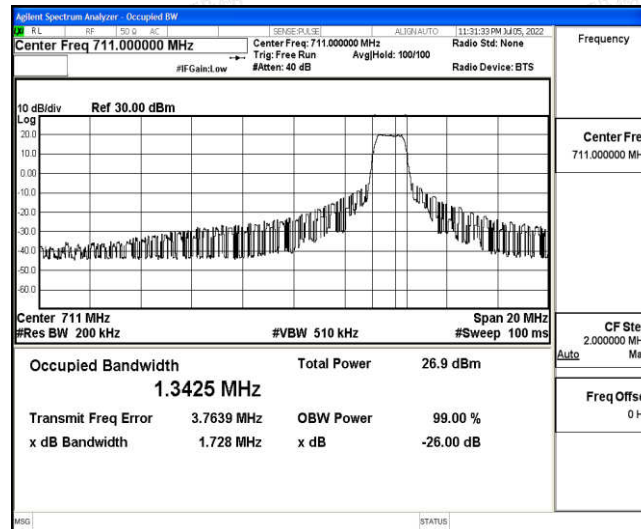
Band12-10MHz-QPSK-23060-6-0-Low-1.3468-2.091-PASS



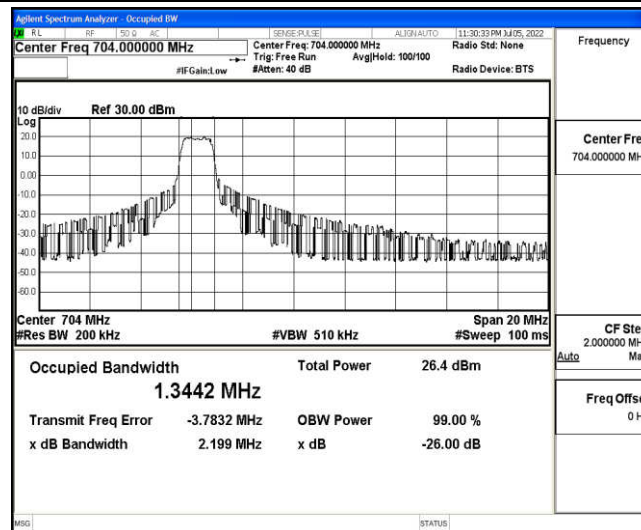
Band12-10MHz-QPSK-23095-6-0-Low-1.3279-1.938-PASS



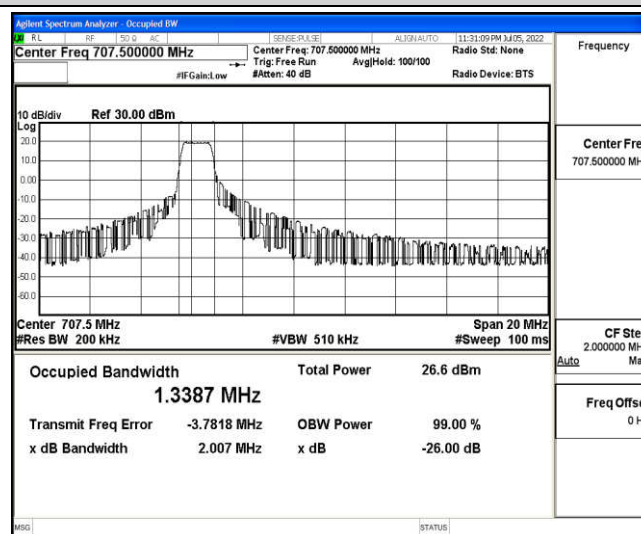
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Band12-10MHz-QPSK-23130-6-0-High-1.3425-1.728-PASS



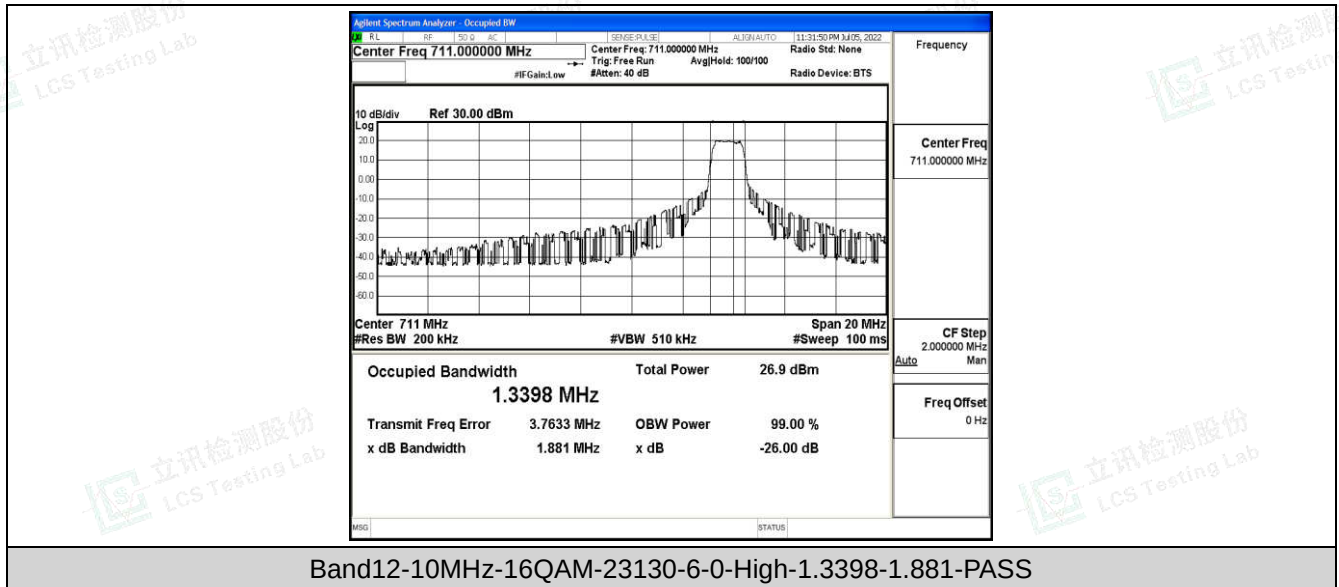
Band12-10MHz-16QAM-23060-6-0-Low-1.3442-2.199-PASS



Band12-10MHz-16QAM-23095-6-0-Low-1.3387-2.007-PASS



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I.4 Band Edge for M1

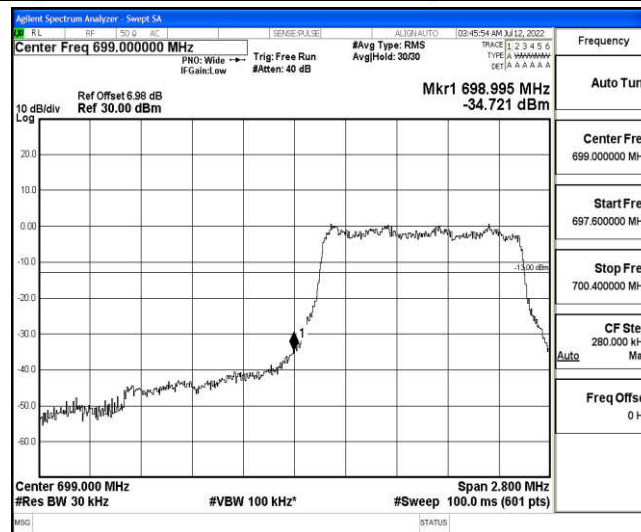
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	-34.72	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	-32.64	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	-34.41	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	-33.98	PASS
Band12	3MHz	23025	QPSK	6	0	Low	-37.95	PASS
Band12	3MHz	23165	QPSK	6	0	High	-37.26	PASS
Band12	3MHz	23025	16QAM	6	0	Low	-36.53	PASS
Band12	3MHz	23165	16QAM	6	0	High	-37.44	PASS
Band12	5MHz	23035	QPSK	6	0	Low	-31.88	PASS
Band12	5MHz	23155	QPSK	6	0	High	-28.47	PASS
Band12	5MHz	23035	16QAM	6	0	Low	-32.47	PASS
Band12	5MHz	23155	16QAM	6	0	High	-27.21	PASS
Band12	10MHz	23060	QPSK	6	0	Low	-33.73	PASS
Band12	10MHz	23130	QPSK	6	0	High	-31.09	PASS
Band12	10MHz	23060	16QAM	6	0	Low	-33.99	PASS
Band12	10MHz	23130	16QAM	6	0	High	-32.85	PASS





Test Graphs

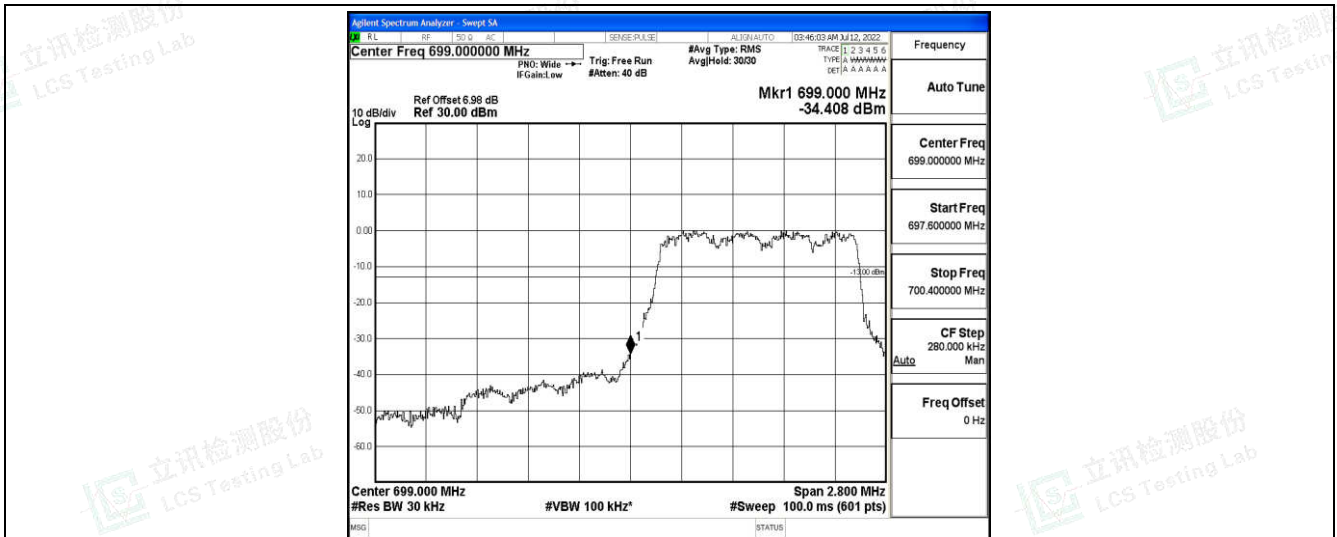


Band12-1.4MHz-QPSK-23017-6-0-Low--34.72-PASS

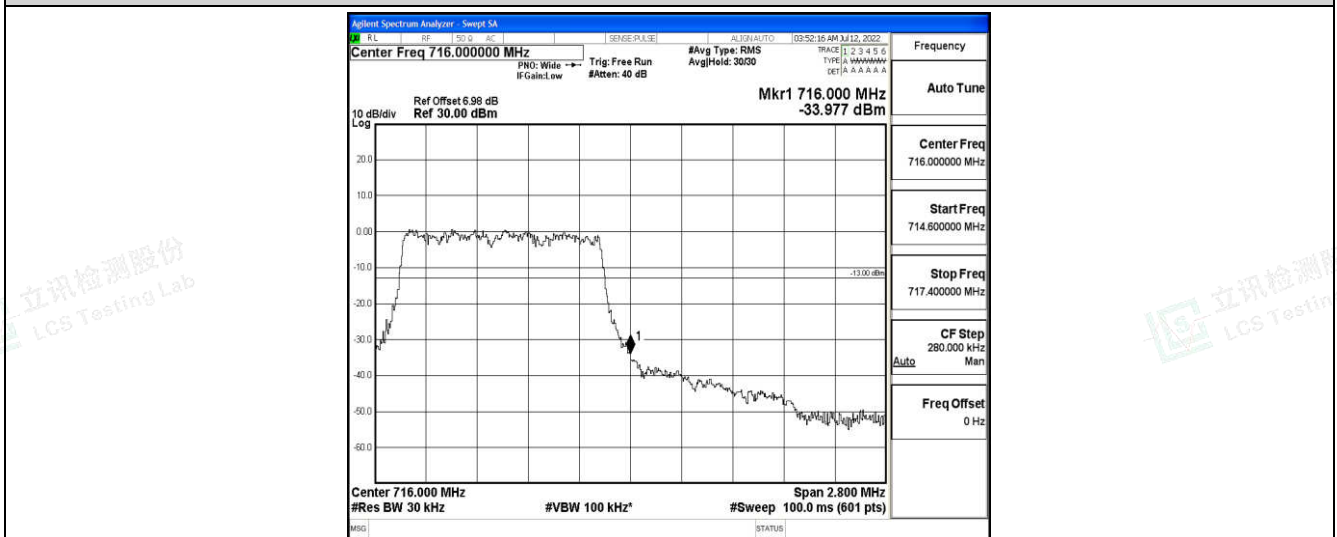


Band12-1.4MHz-QPSK-23173-6-0-High--32.64-PASS

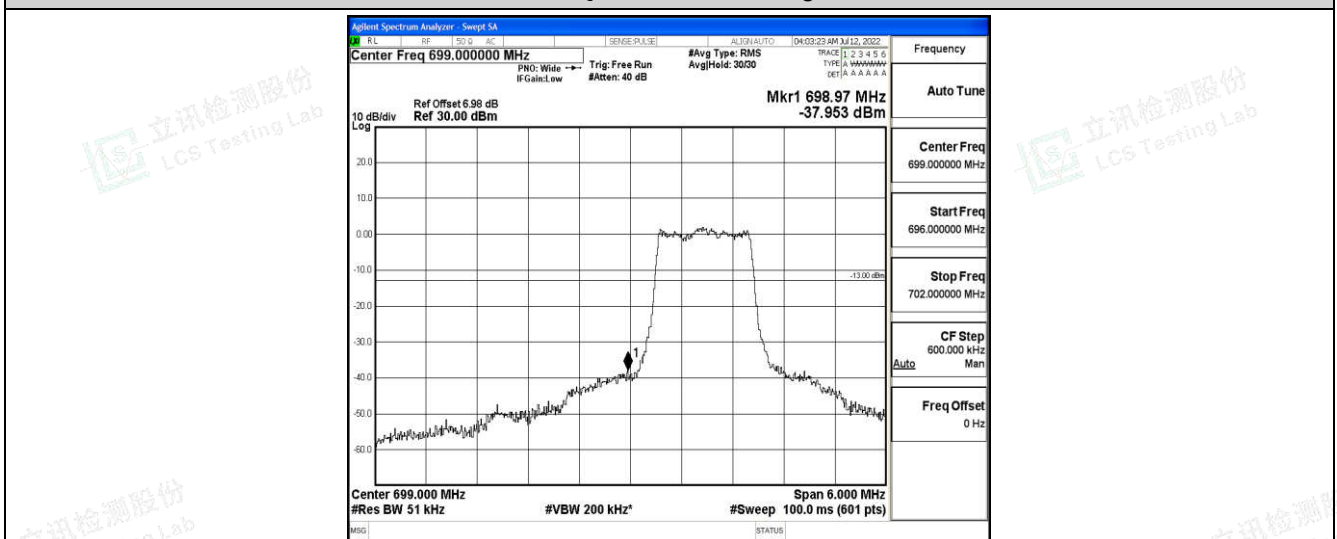




Band12-1.4MHz-16QAM-23017-6-0-Low--34.41-PASS



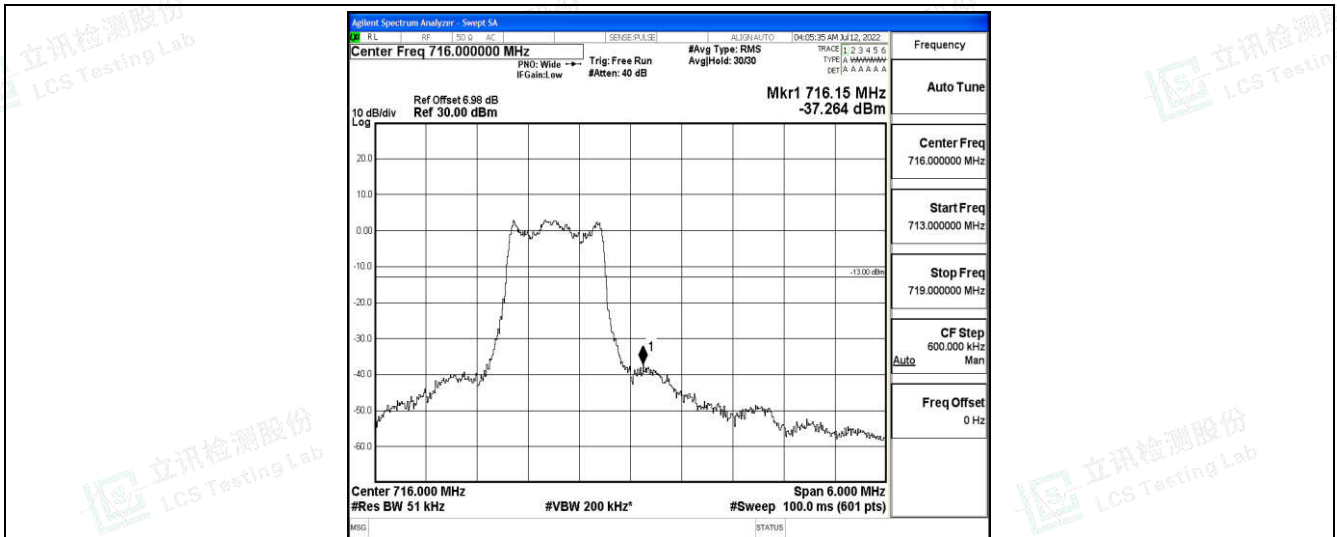
Band12-1.4MHz-16QAM-23173-6-0-High--33.98-PASS



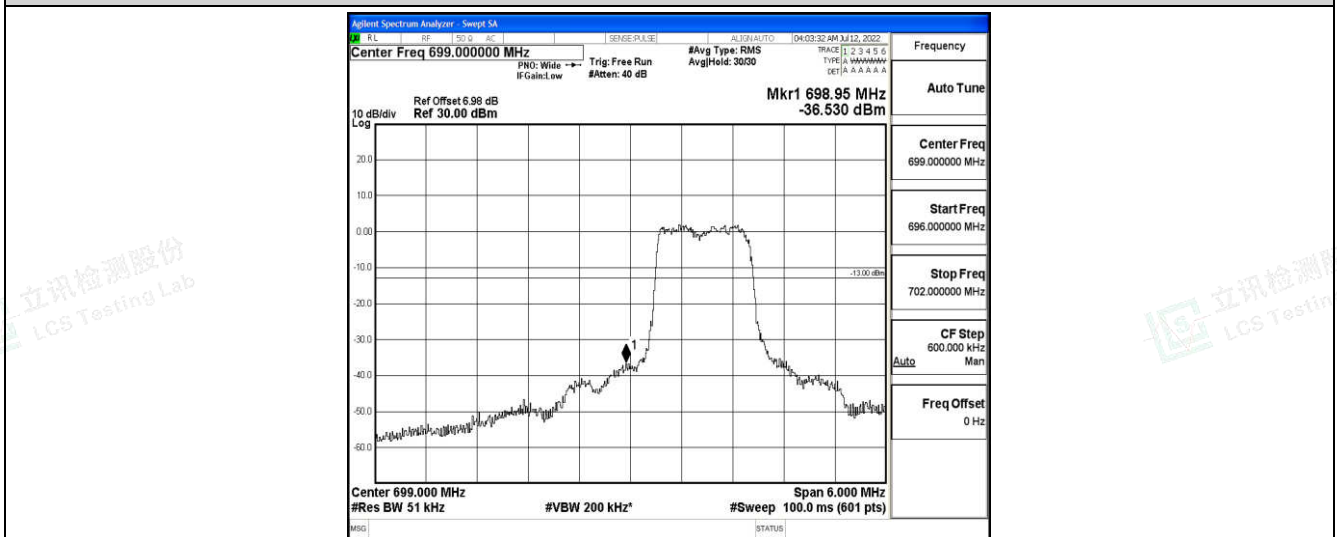
Band12-3MHz-QPSK-23025-6-0-Low--37.95-PASS



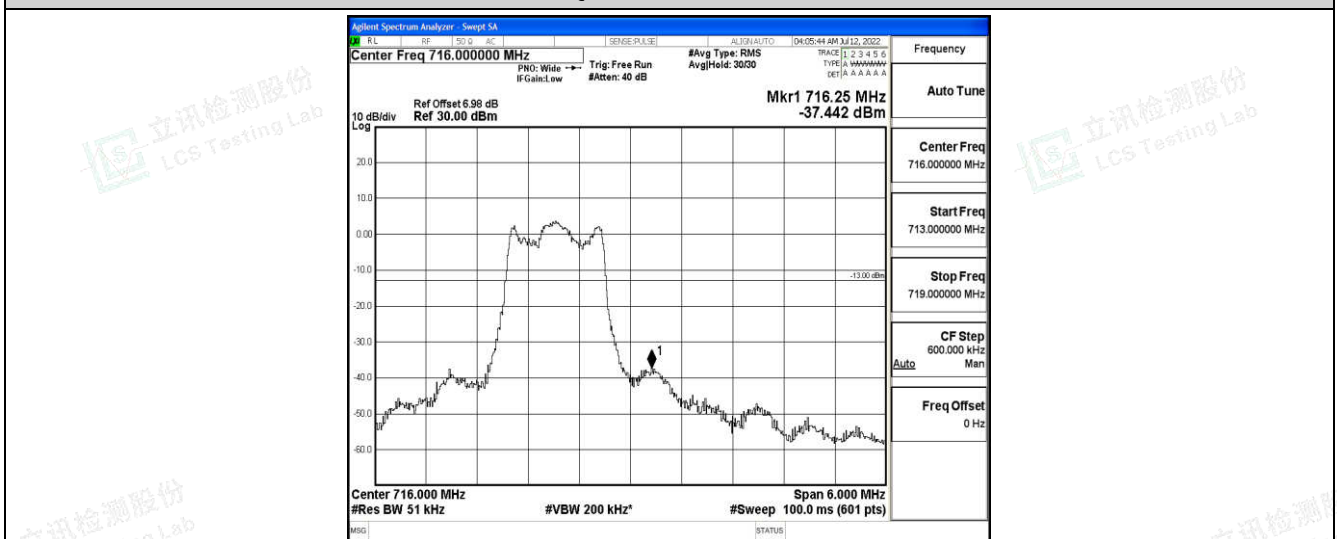
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Band12-3MHz-QPSK-23165-6-0-High--37.26-PASS



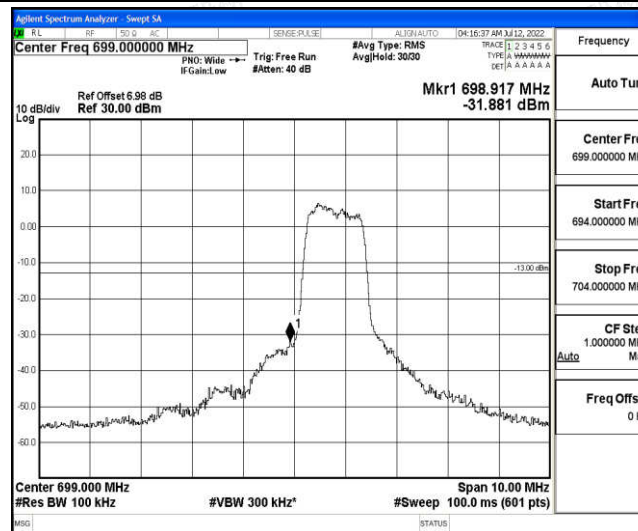
Band12-3MHz-16QAM-23025-6-0-Low--36.53-PASS



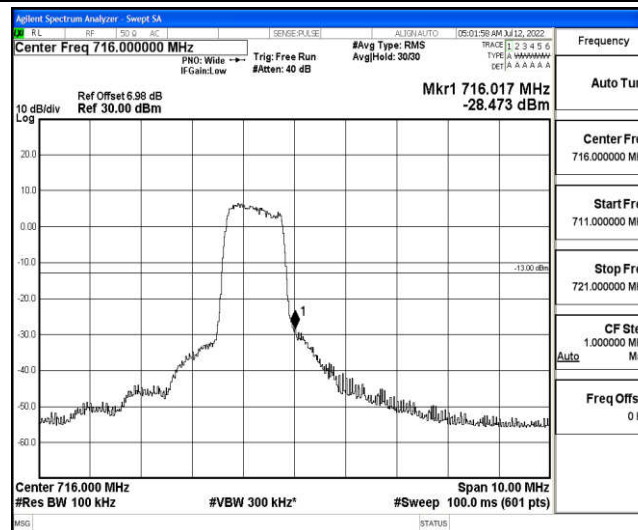
Band12-3MHz-16QAM-23165-6-0-High--37.44-PASS



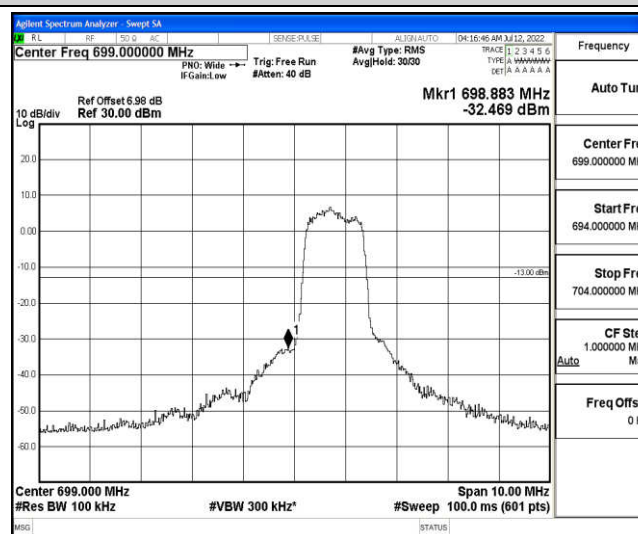
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Band12-5MHz-QPSK-23035-6-0-Low--31.88-PASS



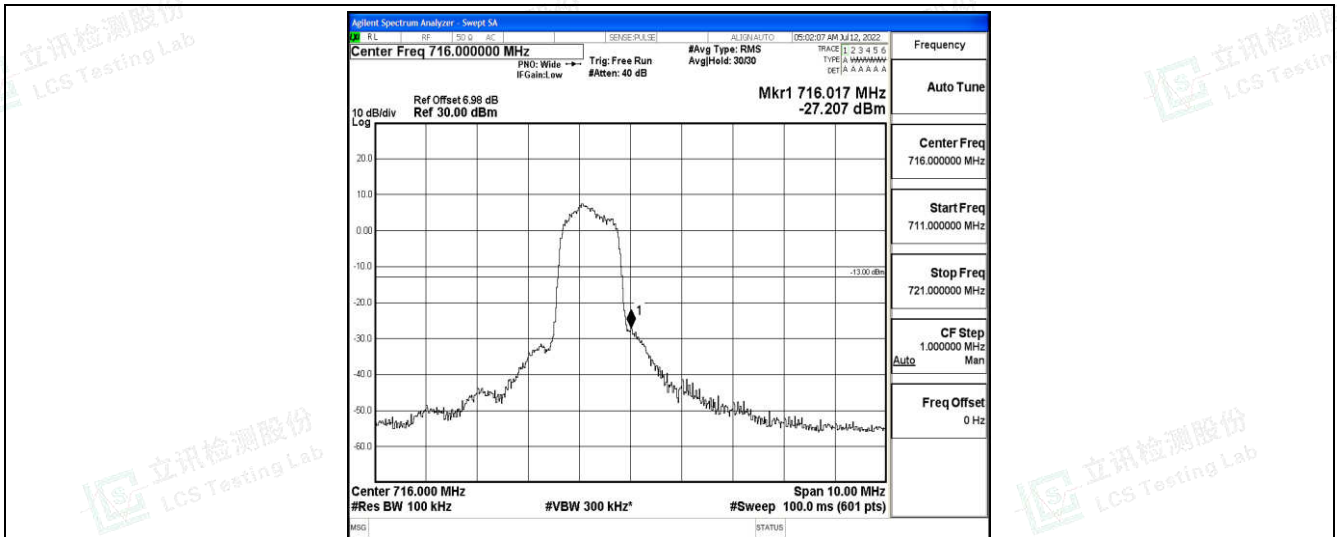
Band12-5MHz-QPSK-23155-6-0-High--28.47-PASS



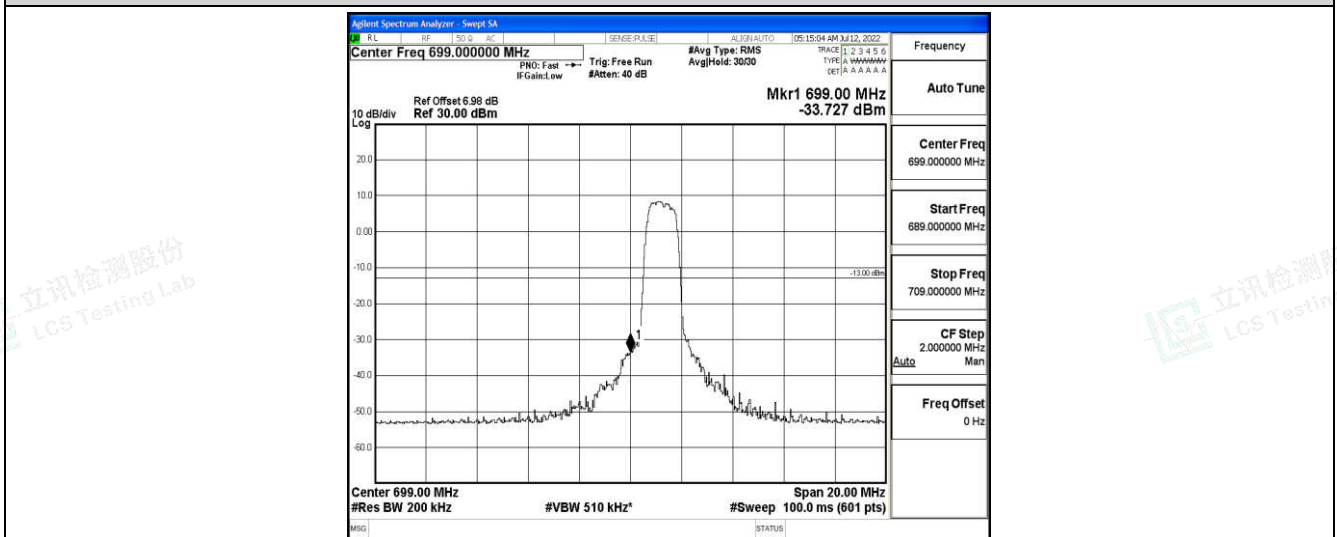
Band12-5MHz-16QAM-23035-6-0-Low--32.47-PASS



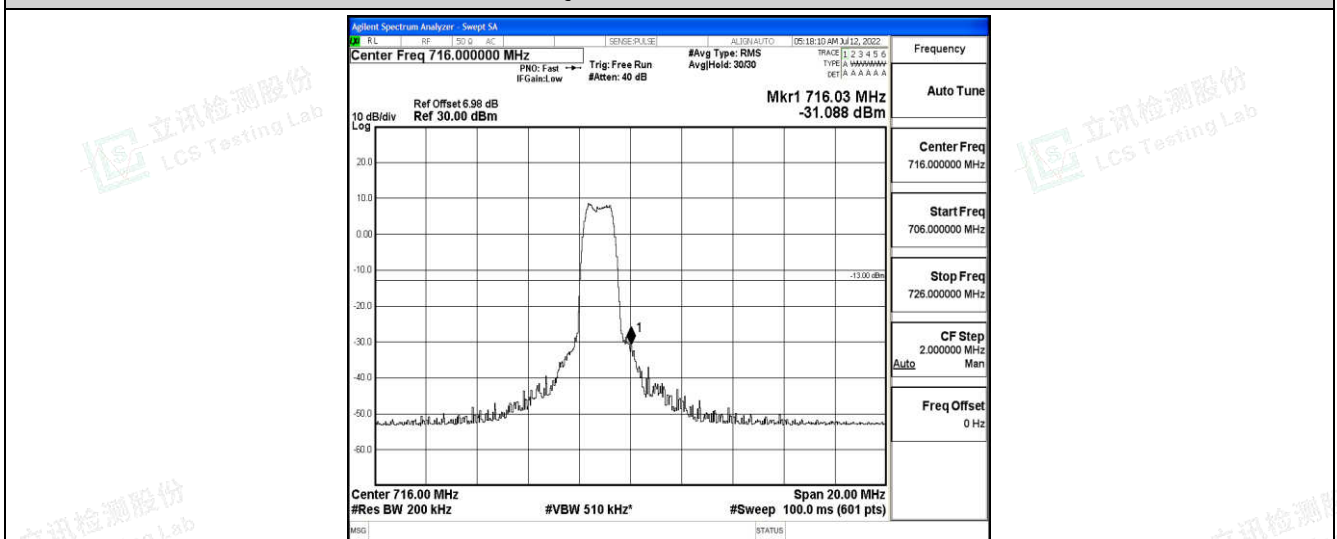
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Band12-5MHz-16QAM-23155-6-0-High--27.21-PASS



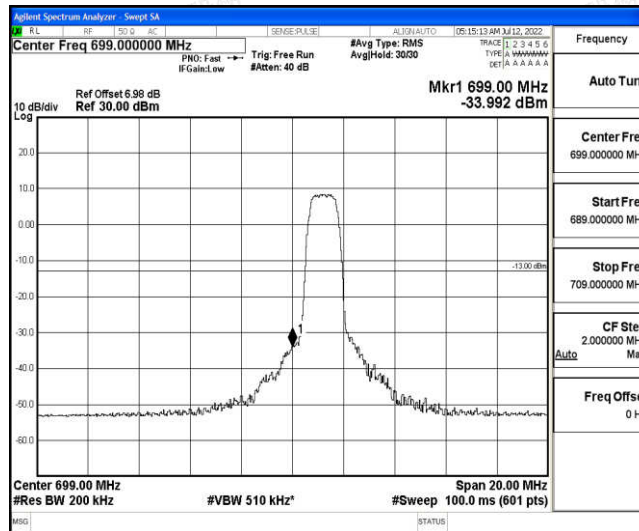
Band12-10MHz-QPSK-23060-6-0-Low--33.73-PASS



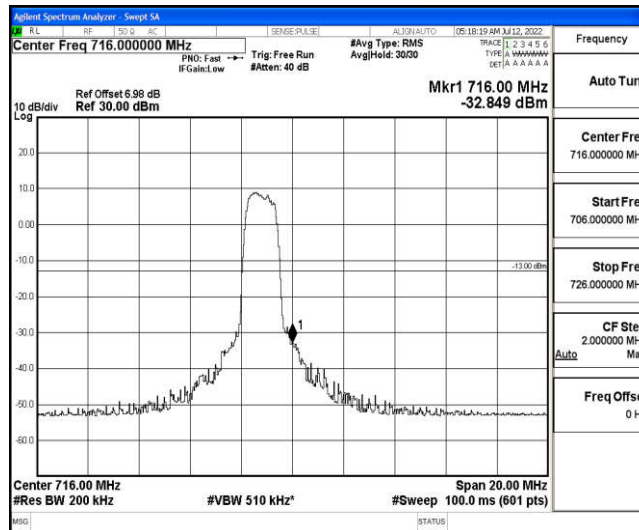
Band12-10MHz-QPSK-23130-6-0-High--31.09-PASS



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Band12-10MHz-16QAM-23060-6-0-Low--33.99-PASS



Band12-10MHz-16QAM-23130-6-0-High--32.85-PASS





I.5 Conducted Spurious Emission for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	Low	30	1000	-37.45	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	1000	5000	-43.23	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	5000	12000	-59.14	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	12000	26500	-44.45	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	30	1000	-37.59	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	1000	5000	-43.36	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	5000	12000	-59.13	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	12000	26500	-44.45	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	30	1000	-36.92	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	1000	5000	-42.49	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	5000	12000	-59.26	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	12000	26500	-44.32	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	30	1000	-37.97	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	1000	5000	-43.29	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	5000	12000	-59.26	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	12000	26500	-44.4	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	30	1000	-37.66	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	1000	5000	-43.43	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	5000	12000	-59.08	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	12000	26500	-44.41	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	30	1000	-37.05	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	1000	5000	-42.97	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	5000	12000	-59.26	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	12000	26500	-44.47	PASS
Band12	3MHz	23025	QPSK	1	0	Low	30	1000	-37.32	PASS
Band12	3MHz	23025	QPSK	1	0	Low	1000	5000	-43.08	PASS
Band12	3MHz	23025	QPSK	1	0	Low	5000	12000	-59.22	PASS
Band12	3MHz	23025	QPSK	1	0	Low	12000	26500	-44.35	PASS
Band12	3MHz	23095	QPSK	1	0	Low	30	1000	-36.7	PASS
Band12	3MHz	23095	QPSK	1	0	Low	1000	5000	-43.05	PASS
Band12	3MHz	23095	QPSK	1	0	Low	5000	12000	-59.25	PASS
Band12	3MHz	23095	QPSK	1	0	Low	12000	26500	-44.29	PASS
Band12	3MHz	23165	QPSK	1	0	High	30	1000	-37.59	PASS





Band12	3MHz	23165	QPSK	1	0	High	1000	5000	-42.61	PASS
Band12	3MHz	23165	QPSK	1	0	High	5000	12000	-59.23	PASS
Band12	3MHz	23165	QPSK	1	0	High	12000	26500	-44.25	PASS
Band12	3MHz	23025	16QAM	1	0	Low	30	1000	-37.09	PASS
Band12	3MHz	23025	16QAM	1	0	Low	1000	5000	-43.34	PASS
Band12	3MHz	23025	16QAM	1	0	Low	5000	12000	-59.2	PASS
Band12	3MHz	23025	16QAM	1	0	Low	12000	26500	-44.32	PASS
Band12	3MHz	23095	16QAM	1	0	Low	30	1000	-37.32	PASS
Band12	3MHz	23095	16QAM	1	0	Low	1000	5000	-43.39	PASS
Band12	3MHz	23095	16QAM	1	0	Low	5000	12000	-59.16	PASS
Band12	3MHz	23095	16QAM	1	0	Low	12000	26500	-44.33	PASS
Band12	3MHz	23165	16QAM	1	0	High	30	1000	-37.99	PASS
Band12	3MHz	23165	16QAM	1	0	High	1000	5000	-43.12	PASS
Band12	3MHz	23165	16QAM	1	0	High	5000	12000	-59.22	PASS
Band12	3MHz	23165	16QAM	1	0	High	12000	26500	-44.31	PASS
Band12	5MHz	23035	QPSK	1	0	Low	30	1000	-37.44	PASS
Band12	5MHz	23035	QPSK	1	0	Low	1000	5000	-42.87	PASS
Band12	5MHz	23035	QPSK	1	0	Low	5000	12000	-59.03	PASS
Band12	5MHz	23035	QPSK	1	0	Low	12000	26500	-44.13	PASS
Band12	5MHz	23095	QPSK	1	0	Low	30	1000	-37.64	PASS
Band12	5MHz	23095	QPSK	1	0	Low	1000	5000	-42.71	PASS
Band12	5MHz	23095	QPSK	1	0	Low	5000	12000	-59.34	PASS
Band12	5MHz	23095	QPSK	1	0	Low	12000	26500	-44.42	PASS
Band12	5MHz	23155	QPSK	1	0	High	30	1000	-37.88	PASS
Band12	5MHz	23155	QPSK	1	0	High	1000	5000	-42.27	PASS
Band12	5MHz	23155	QPSK	1	0	High	5000	12000	-59.2	PASS
Band12	5MHz	23155	QPSK	1	0	High	12000	26500	-44.18	PASS
Band12	5MHz	23035	16QAM	1	0	Low	30	1000	-36.89	PASS
Band12	5MHz	23035	16QAM	1	0	Low	1000	5000	-42.8	PASS
Band12	5MHz	23035	16QAM	1	0	Low	5000	12000	-59.13	PASS
Band12	5MHz	23035	16QAM	1	0	Low	12000	26500	-44.26	PASS
Band12	5MHz	23095	16QAM	1	0	Low	30	1000	-37.51	PASS
Band12	5MHz	23095	16QAM	1	0	Low	1000	5000	-42.62	PASS
Band12	5MHz	23095	16QAM	1	0	Low	5000	12000	-59.11	PASS
Band12	5MHz	23095	16QAM	1	0	Low	12000	26500	-44.33	PASS
Band12	5MHz	23155	16QAM	1	0	High	30	1000	-35.69	PASS
Band12	5MHz	23155	16QAM	1	0	High	1000	5000	-42.44	PASS
Band12	5MHz	23155	16QAM	1	0	High	5000	12000	-59.38	PASS
Band12	5MHz	23155	16QAM	1	0	High	12000	26500	-44.39	PASS
Band12	10MHz	23060	QPSK	1	0	Low	30	1000	-36.51	PASS



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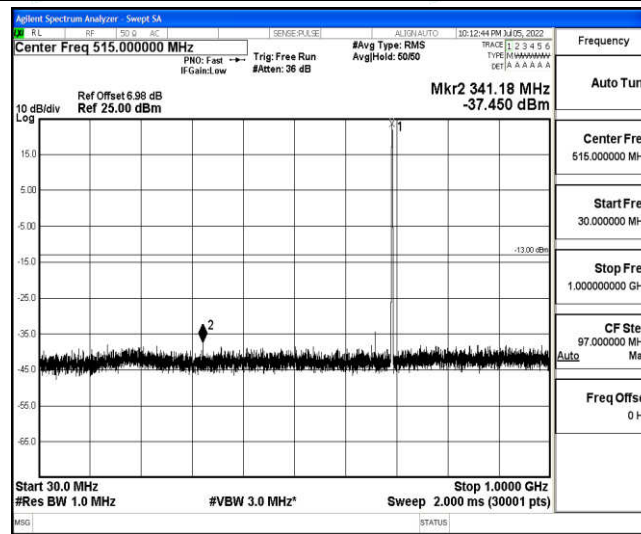


Band12	10MHz	23060	QPSK	1	0	Low	1000	5000	-43.15	PASS
Band12	10MHz	23060	QPSK	1	0	Low	5000	12000	-59.28	PASS
Band12	10MHz	23060	QPSK	1	0	Low	12000	26500	-44.46	PASS
Band12	10MHz	23095	QPSK	1	0	Low	30	1000	-37.22	PASS
Band12	10MHz	23095	QPSK	1	0	Low	1000	5000	-42.86	PASS
Band12	10MHz	23095	QPSK	1	0	Low	5000	12000	-59.16	PASS
Band12	10MHz	23095	QPSK	1	0	Low	12000	26500	-44.52	PASS
Band12	10MHz	23130	QPSK	1	0	High	30	1000	-38.01	PASS
Band12	10MHz	23130	QPSK	1	0	High	1000	5000	-42.19	PASS
Band12	10MHz	23130	QPSK	1	0	High	5000	12000	-59.29	PASS
Band12	10MHz	23130	QPSK	1	0	High	12000	26500	-44.48	PASS
Band12	10MHz	23060	16QAM	1	0	Low	30	1000	-37.3	PASS
Band12	10MHz	23060	16QAM	1	0	Low	1000	5000	-42.71	PASS
Band12	10MHz	23060	16QAM	1	0	Low	5000	12000	-59.15	PASS
Band12	10MHz	23060	16QAM	1	0	Low	12000	26500	-44.36	PASS
Band12	10MHz	23095	16QAM	1	0	Low	30	1000	-37.64	PASS
Band12	10MHz	23095	16QAM	1	0	Low	1000	5000	-42.68	PASS
Band12	10MHz	23095	16QAM	1	0	Low	5000	12000	-59.4	PASS
Band12	10MHz	23095	16QAM	1	0	Low	12000	26500	-44.44	PASS
Band12	10MHz	23130	16QAM	1	0	High	30	1000	-38	PASS
Band12	10MHz	23130	16QAM	1	0	High	1000	5000	-42.44	PASS
Band12	10MHz	23130	16QAM	1	0	High	5000	12000	-59.37	PASS
Band12	10MHz	23130	16QAM	1	0	High	12000	26500	-44.49	PASS

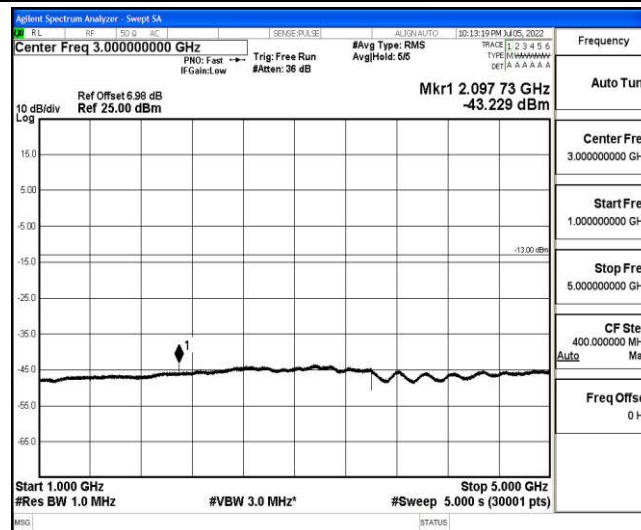




Test Graphs

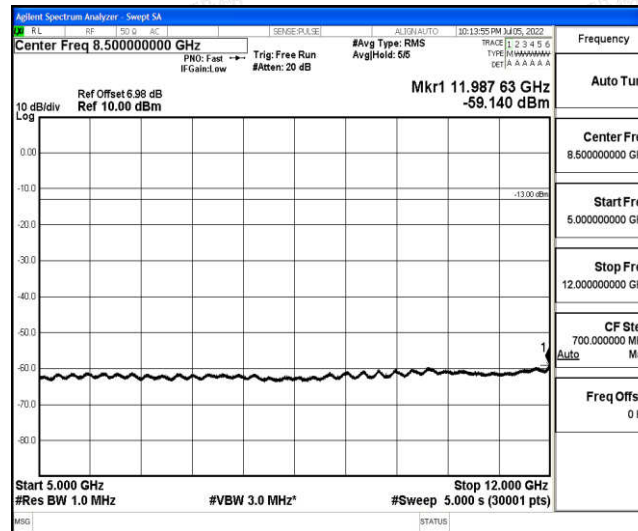


Band12-1.4MHz-QPSK-23017-1-0-Low-30-1000--37.45-PASS

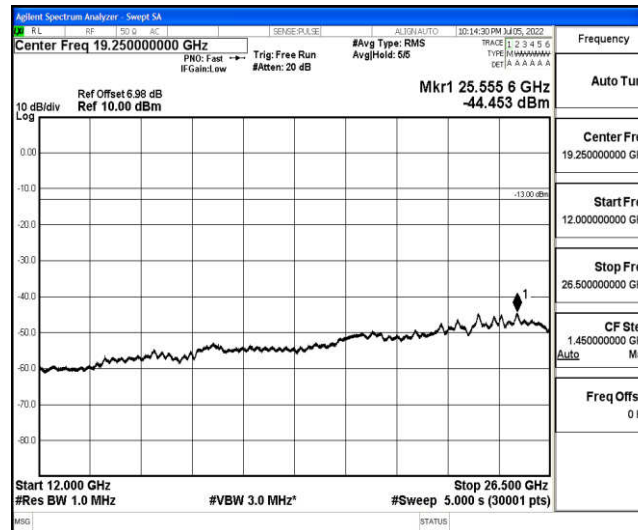


Band12-1.4MHz-QPSK-23017-1-0-Low-1000-5000--43.23-PASS

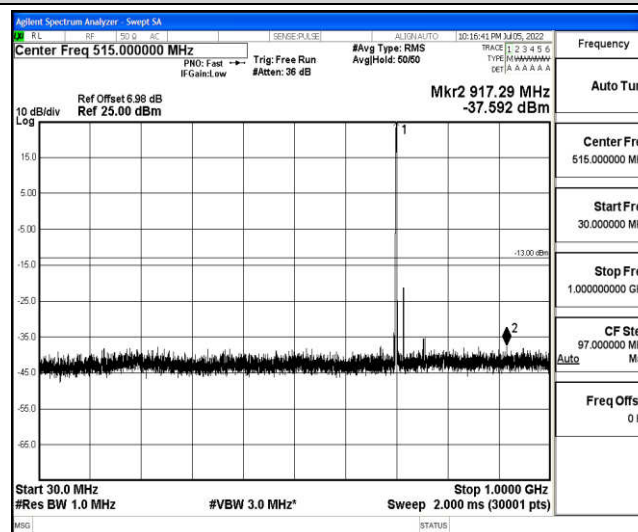




Band12-1.4MHz-QPSK-23017-1-0-Low-5000-12000--59.14-PASS

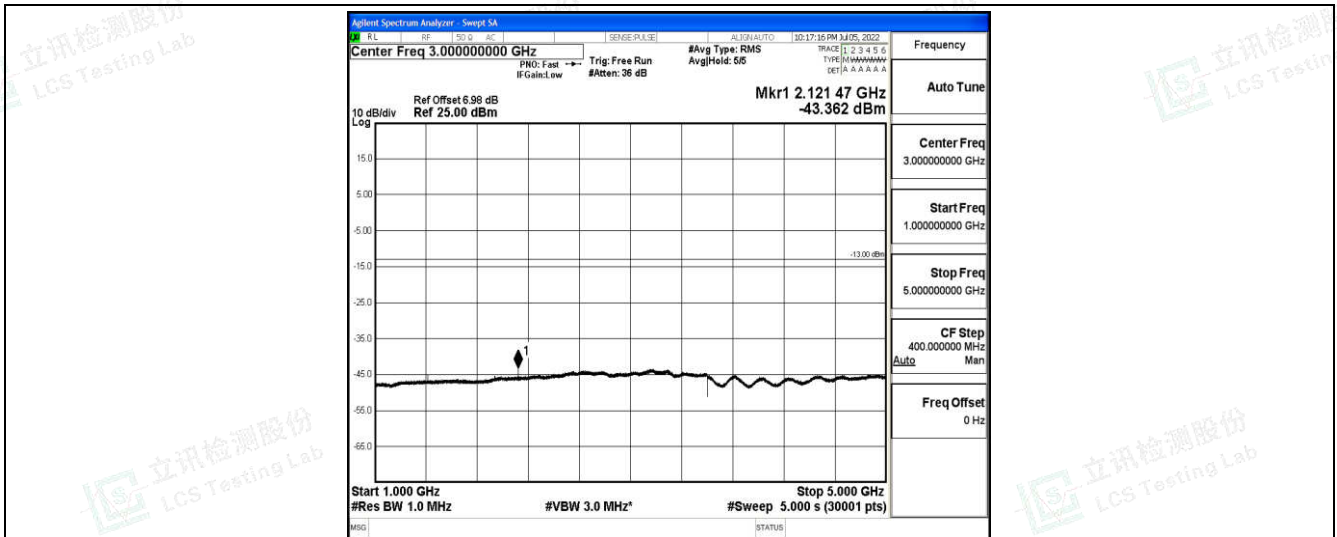


Band12-1.4MHz-QPSK-23017-1-0-Low-12000-26500--44.45-PASS

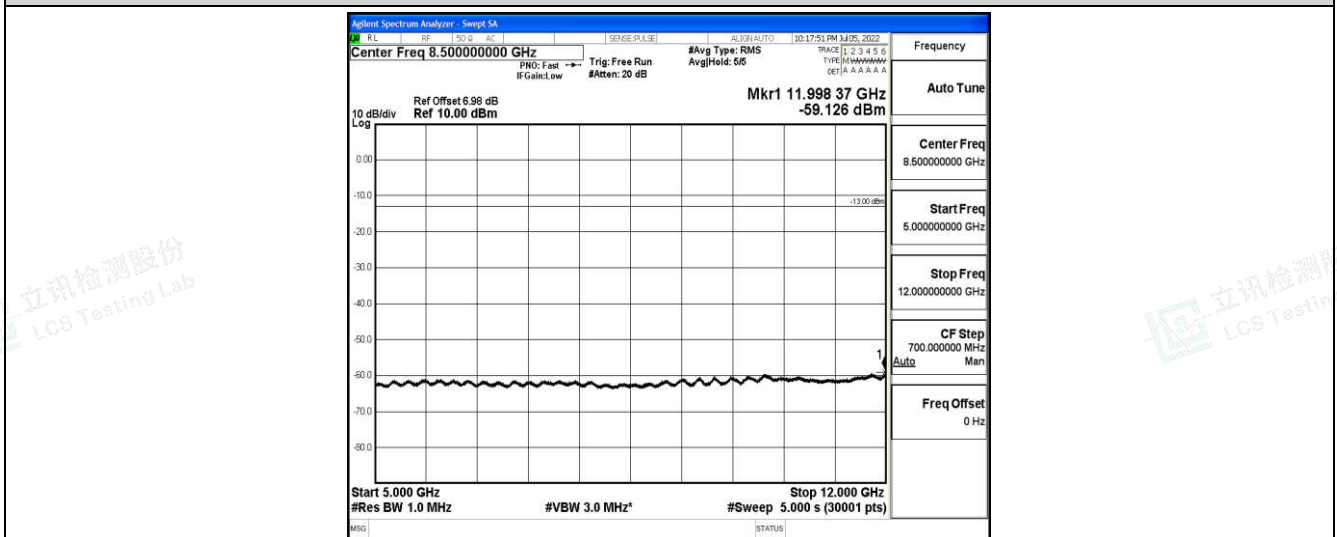


Band12-1.4MHz-QPSK-23095-1-0-Low-30-1000--37.59-PASS

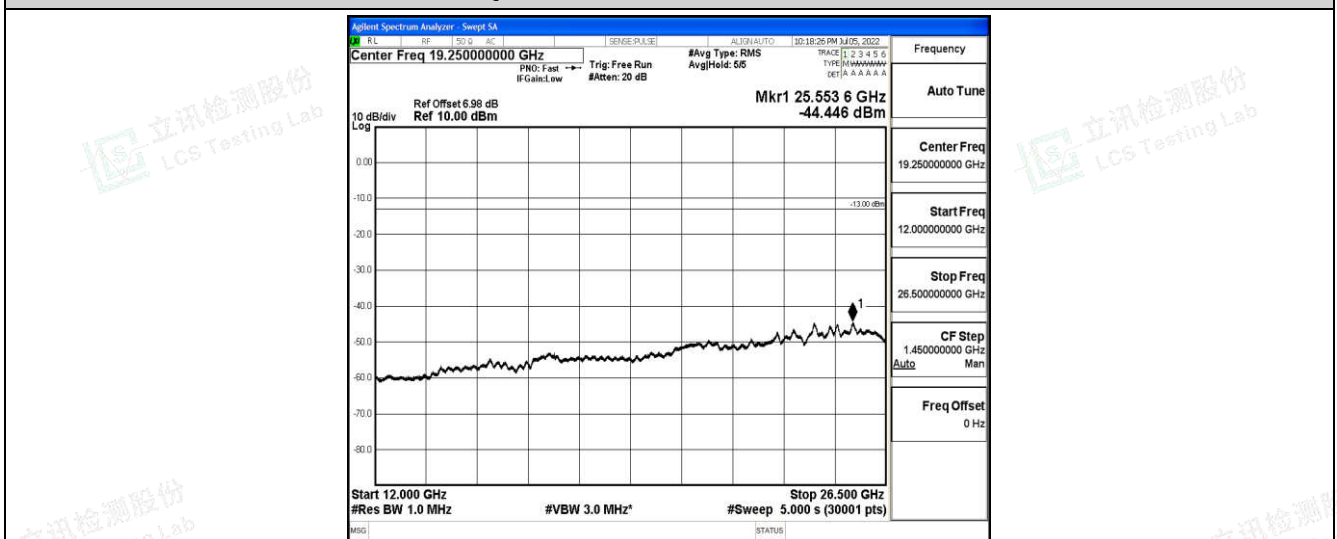




Band12-1.4MHz-QPSK-23095-1-0-Low-1000-5000--43.36-PASS



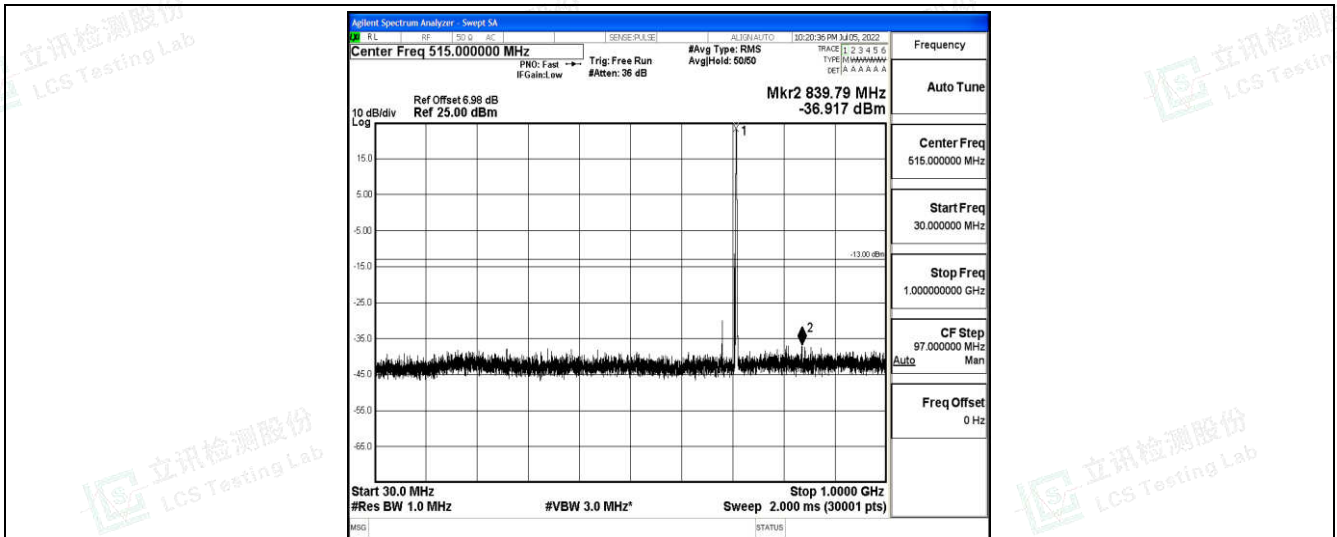
Band12-1.4MHz-QPSK-23095-1-0-Low-5000-12000--59.13-PASS



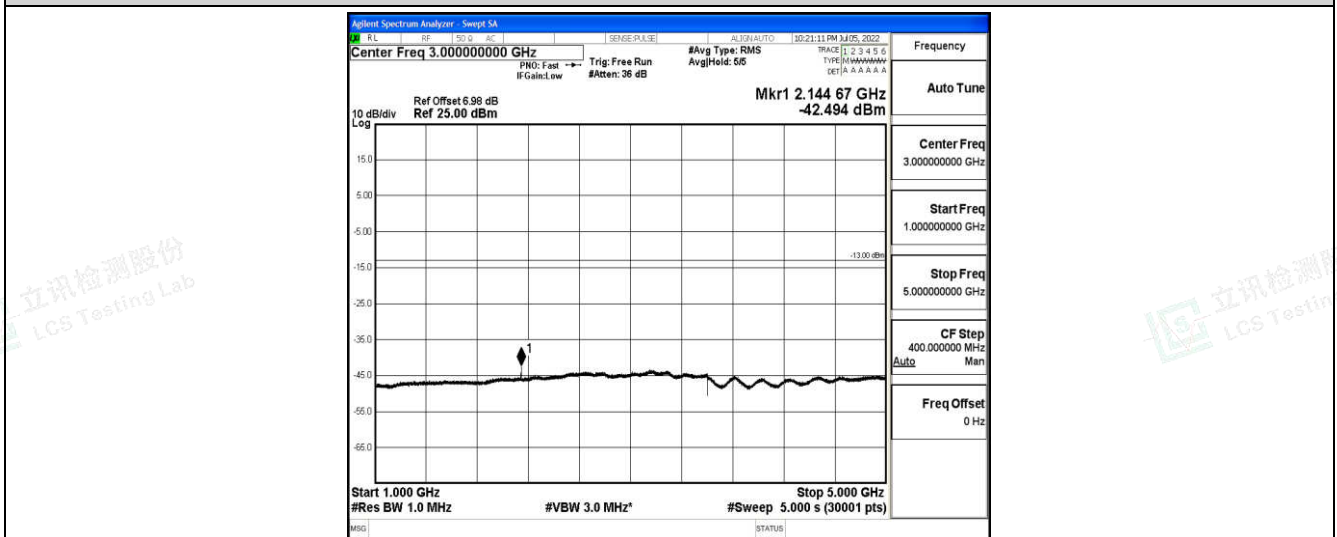
Band12-1.4MHz-QPSK-23095-1-0-Low-12000-26500--44.45-PASS



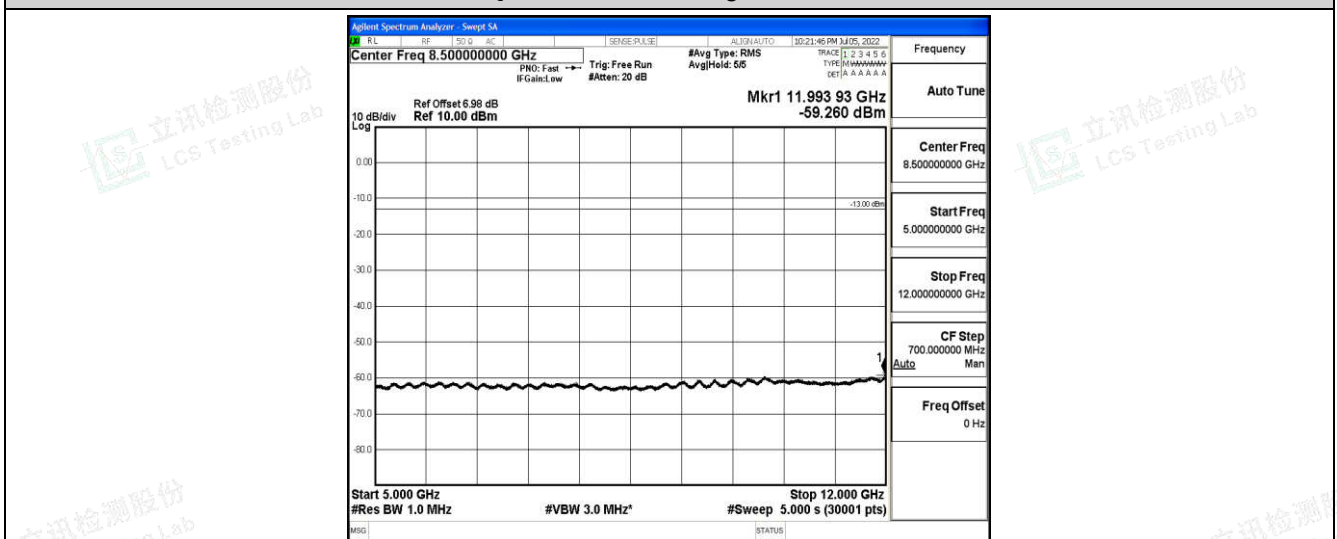
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Band12-1.4MHz-QPSK-23173-1-0-High-30-1000--36.92-PASS



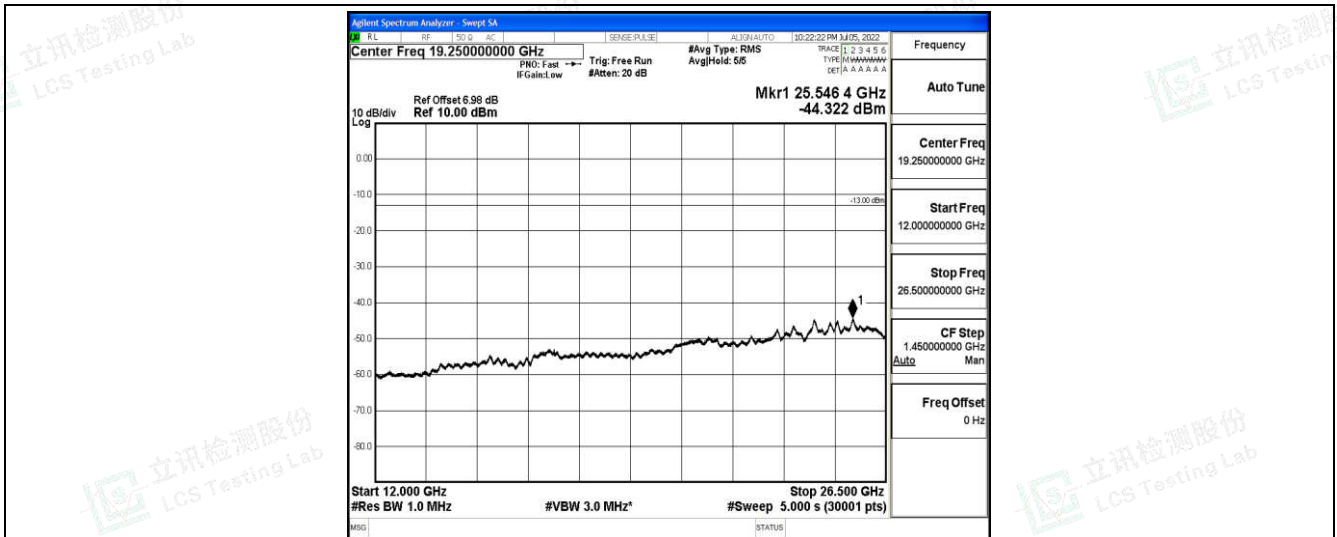
Band12-1.4MHz-QPSK-23173-1-0-High-1000-5000--42.49-PASS



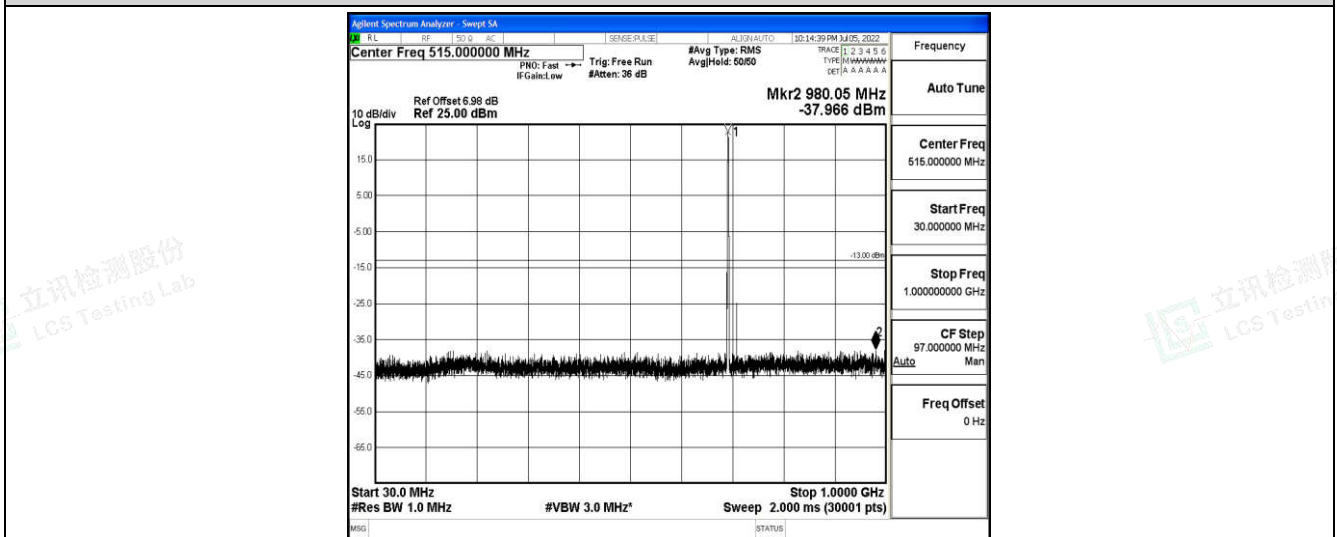
Band12-1.4MHz-QPSK-23173-1-0-High-5000-12000--59.26-PASS



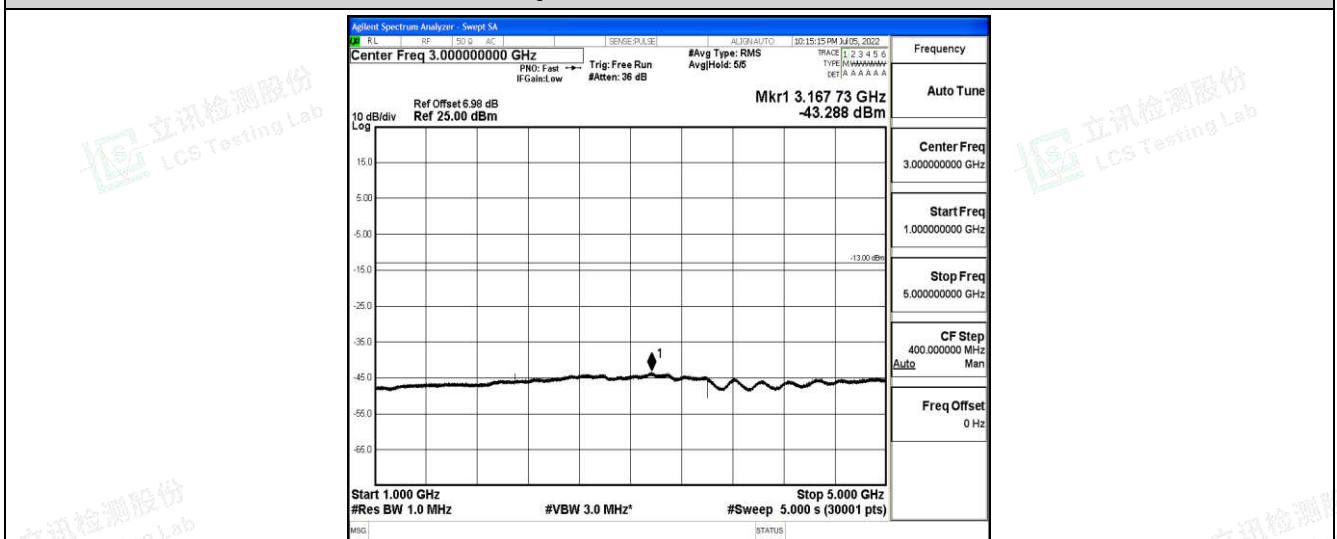
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Band12-1.4MHz-QPSK-23173-1-0-High-12000-26500--44.32-PASS



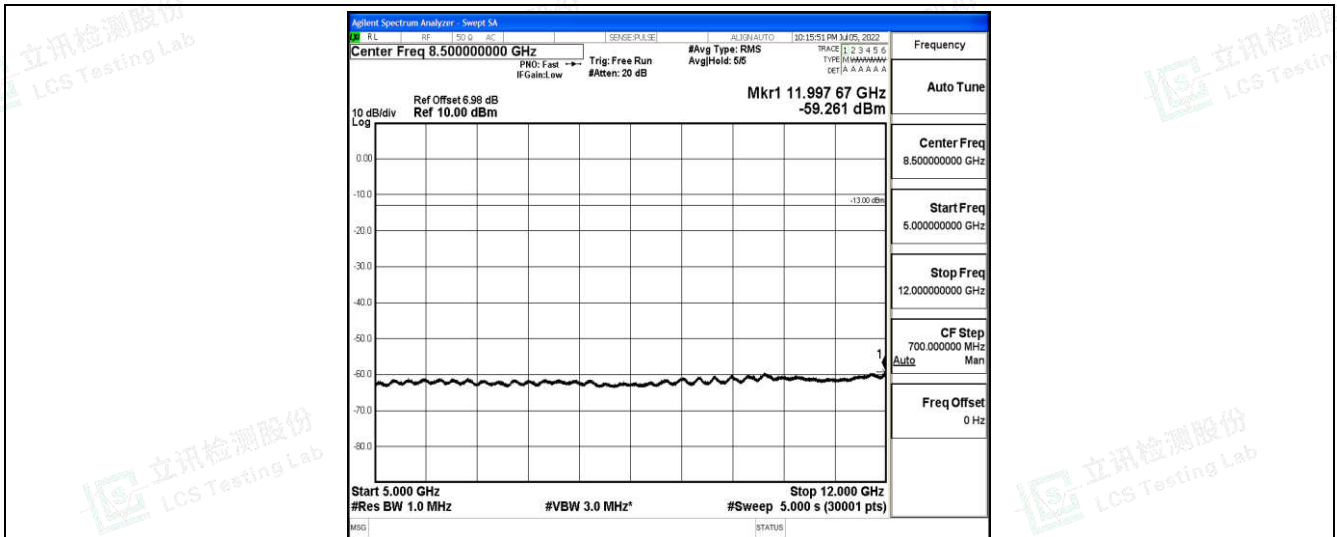
Band12-1.4MHz-16QAM-23017-1-0-Low-30-1000--37.97-PASS



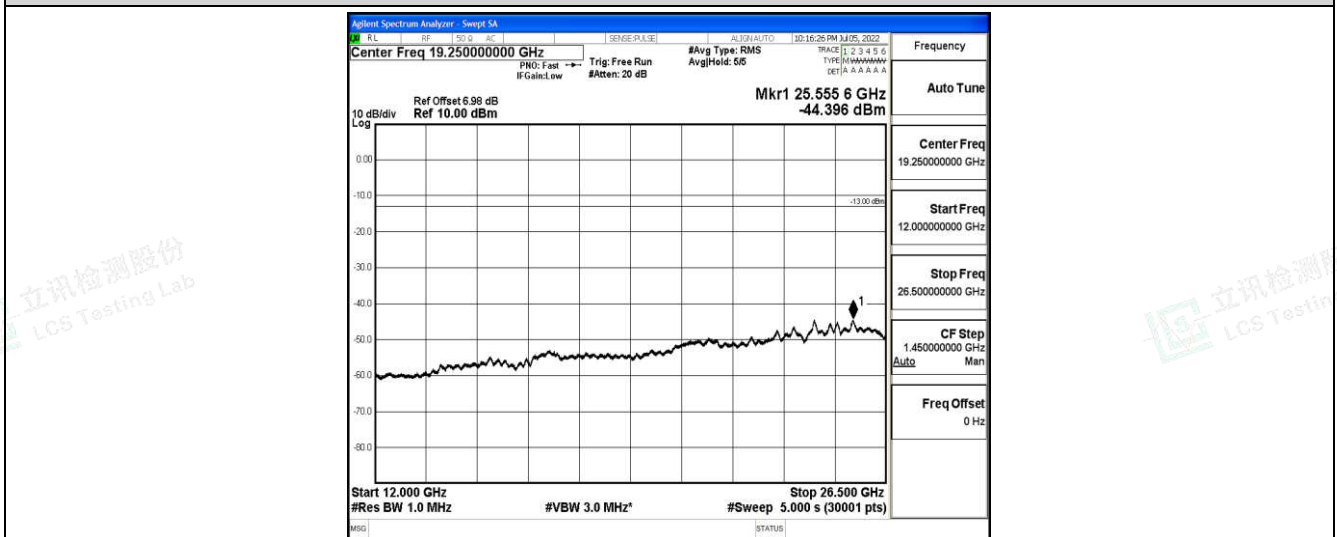
Band12-1.4MHz-16QAM-23017-1-0-Low-1000-5000--43.29-PASS



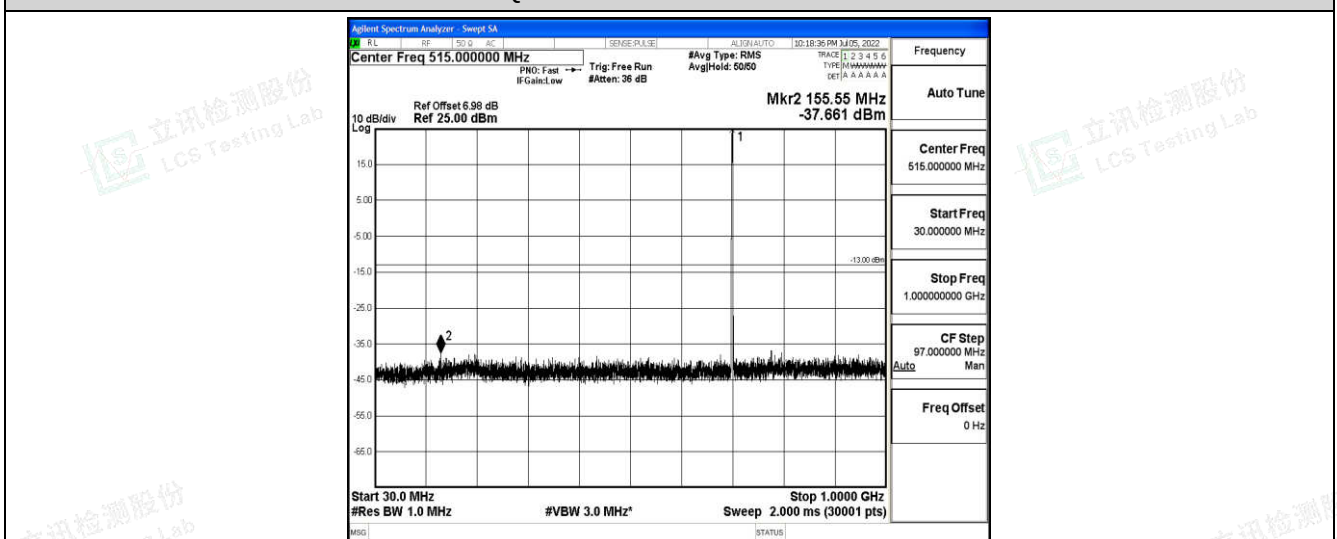
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Band12-1.4MHz-16QAM-23017-1-0-Low-5000-12000--59.26-PASS



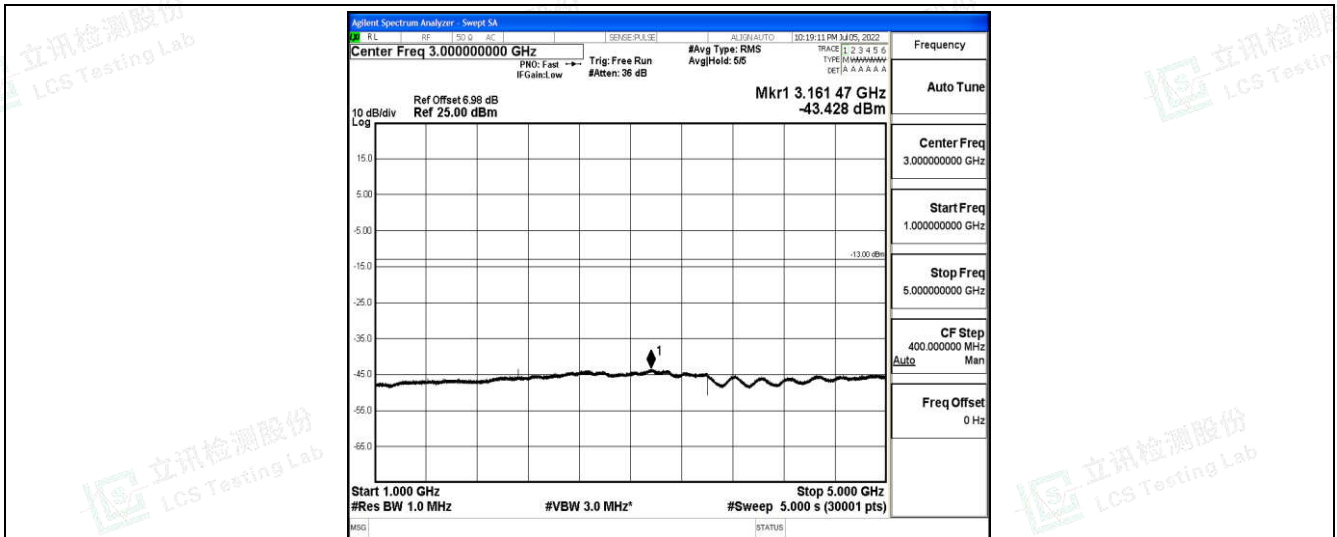
Band12-1.4MHz-16QAM-23017-1-0-Low-12000-26500--44.4-PASS



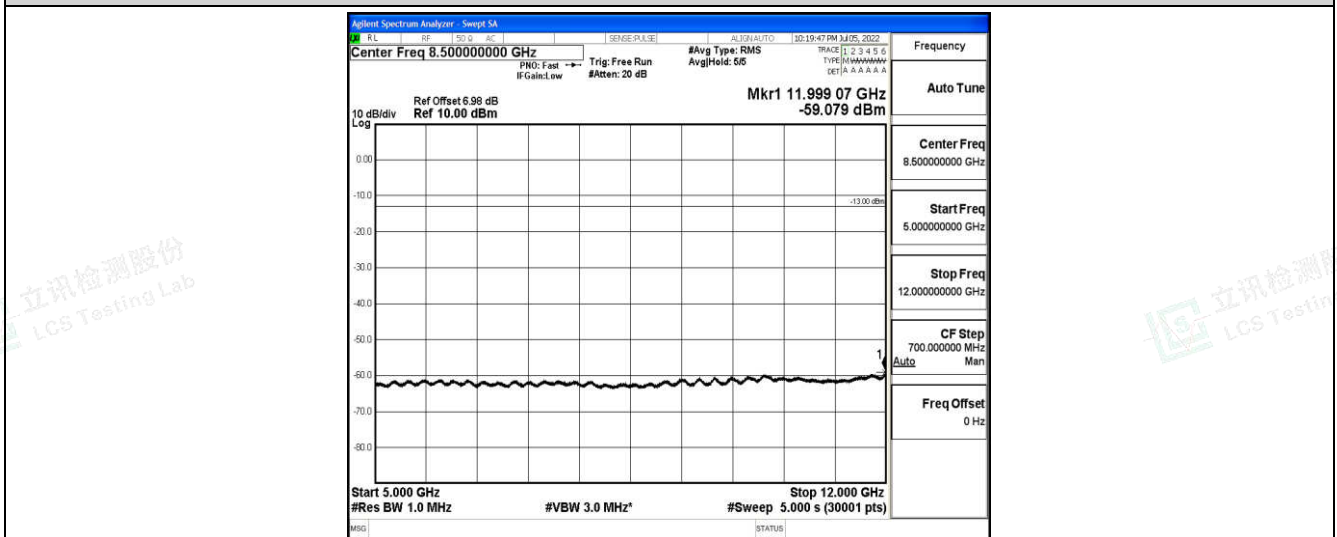
Band12-1.4MHz-16QAM-23095-1-0-Low-30-1000--37.66-PASS



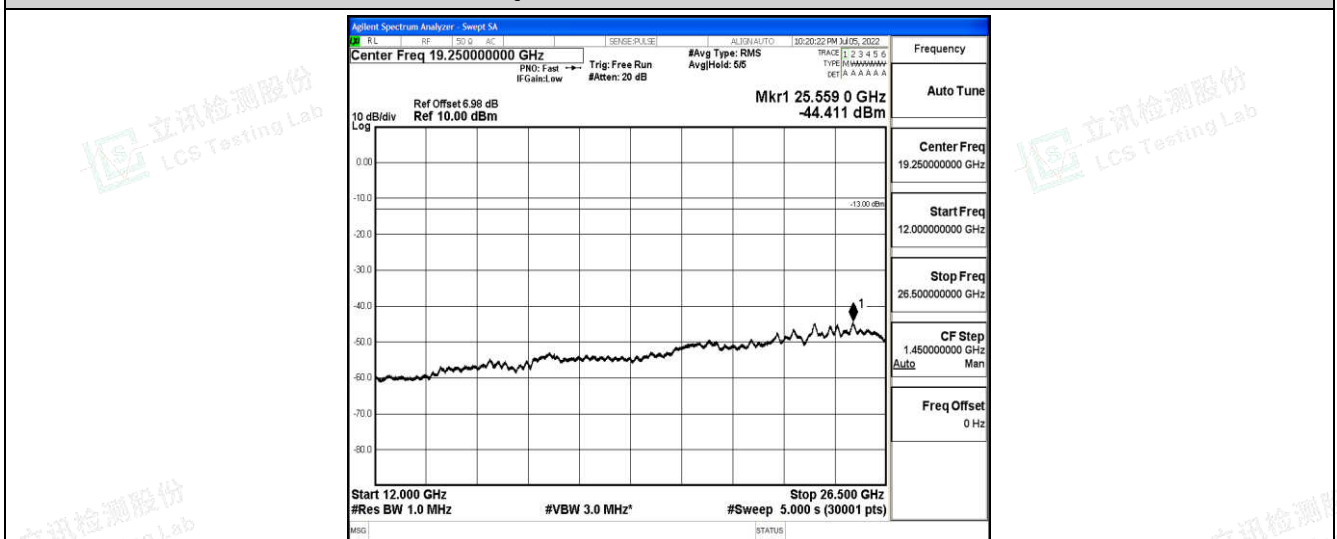
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Band12-1.4MHz-16QAM-23095-1-0-Low-1000-5000--43.43-PASS



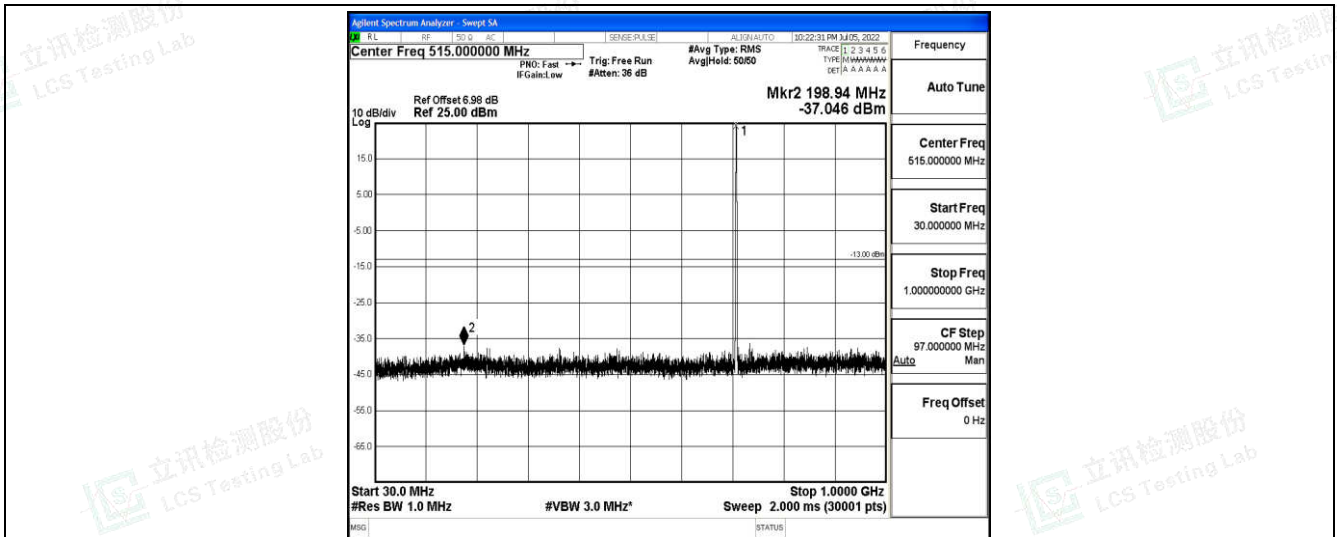
Band12-1.4MHz-16QAM-23095-1-0-Low-5000-12000--59.08-PASS



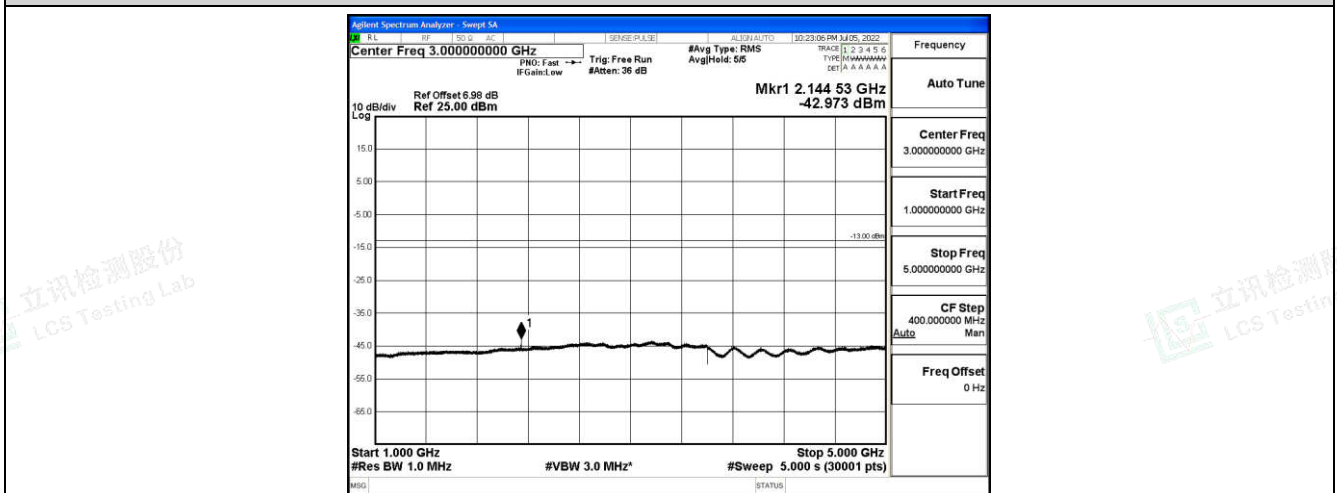
Band12-1.4MHz-16QAM-23095-1-0-Low-12000-26500--44.41-PASS



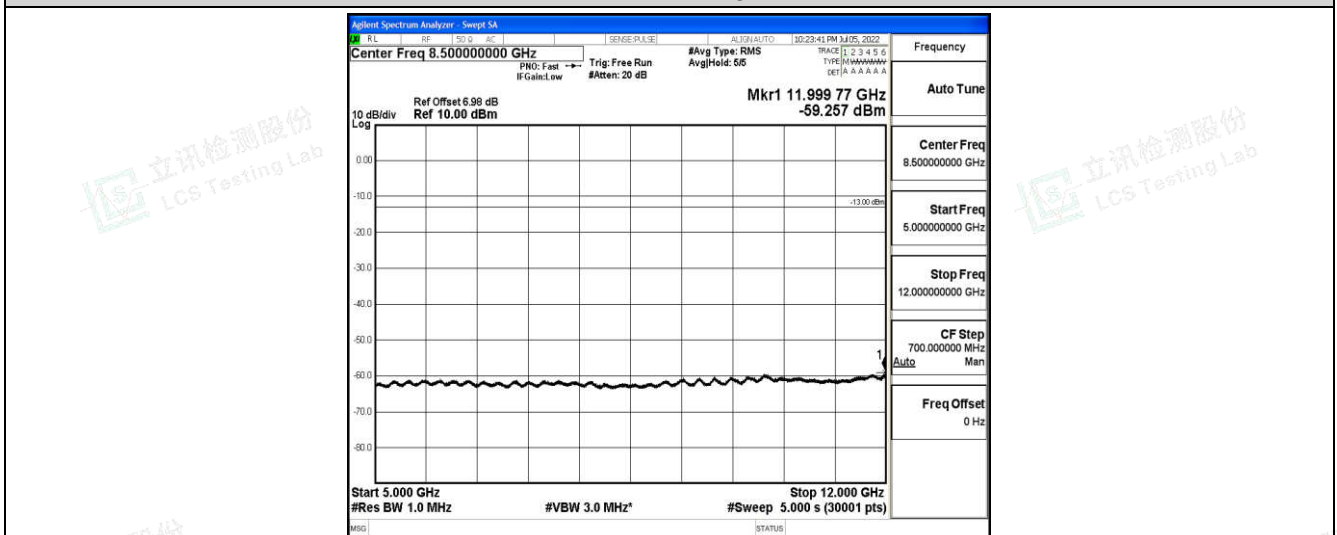
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Band12-1.4MHz-16QAM-23173-1-0-High-30-1000--37.05-PASS

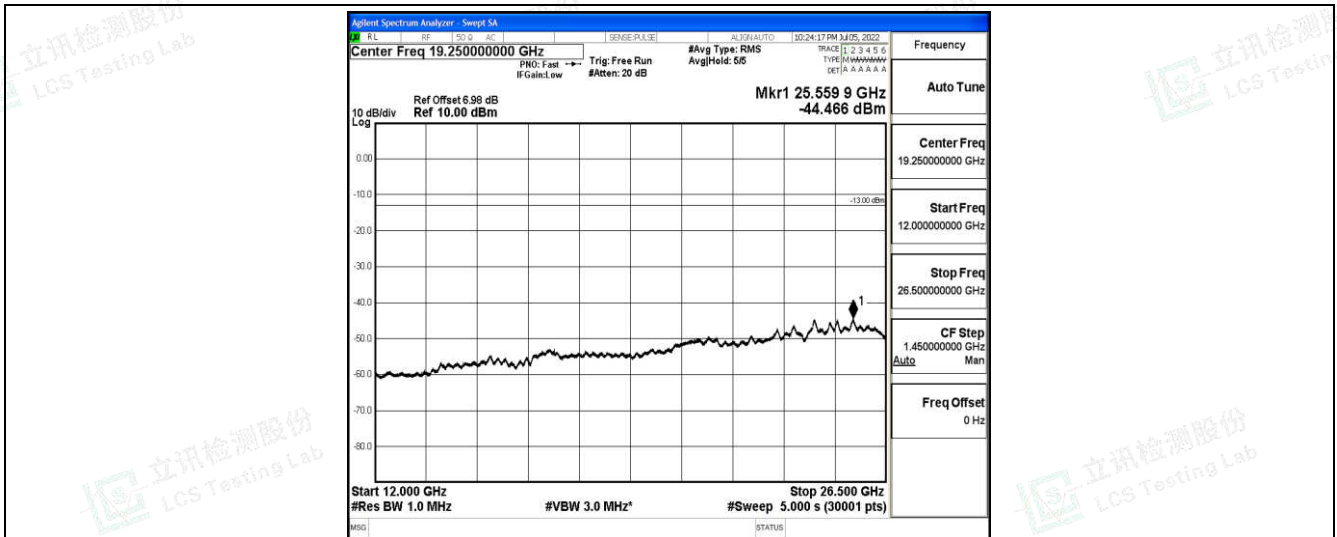


Band12-1.4MHz-16QAM-23173-1-0-High-1000-5000--42.97-PASS

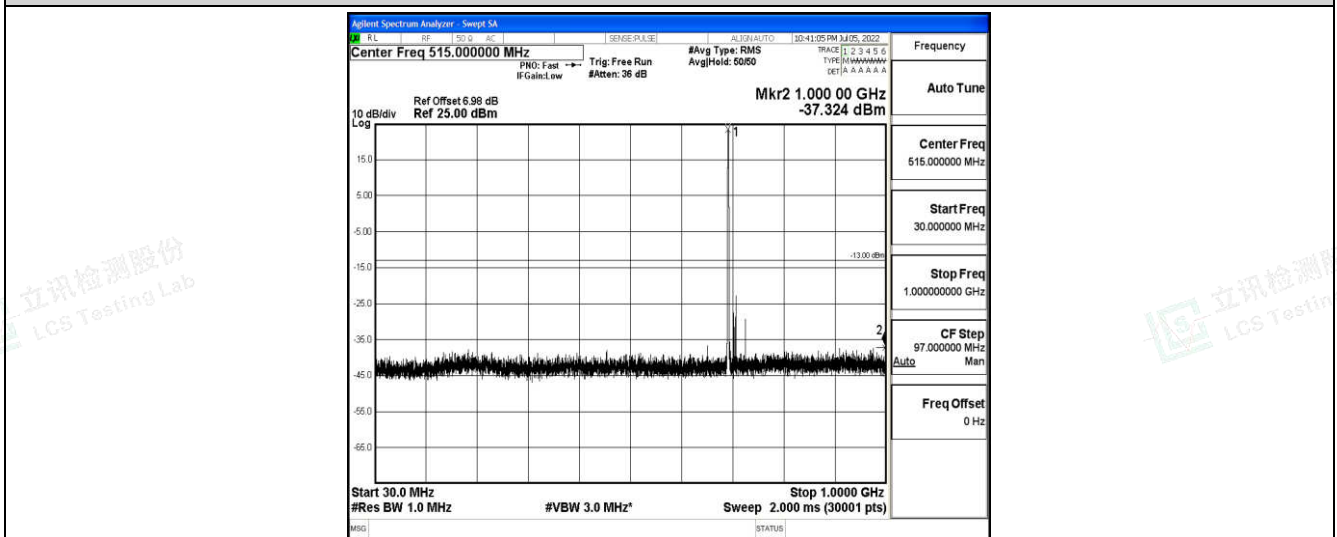


Band12-1.4MHz-16QAM-23173-1-0-High-5000-12000--59.26-PASS

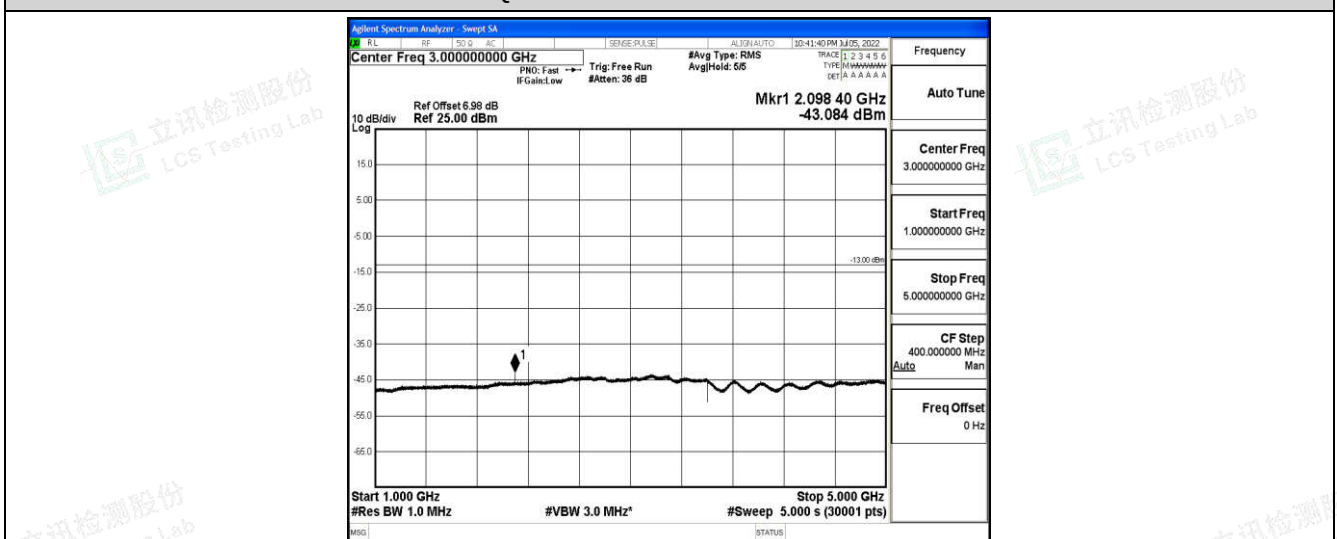




Band12-1.4MHz-16QAM-23173-1-0-High-12000-26500--44.47-PASS



Band12-3MHz-QPSK-23025-1-0-Low-30-1000--37.32-PASS



Band12-3MHz-QPSK-23025-1-0-Low-1000-5000--43.08-PASS



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