



Appendix F: Test Data for CatM1 Band 12

Product Name: IoTgo Track-Solar iot

Test Model: iot

Environmental Conditions

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



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F.1 Conducted Output Power 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	21.24	PASS
Band12	1.4MHz	23017	QPSK	1	5	Low	21.08	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	19.07	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	19.67	PASS
Band12	1.4MHz	23095	QPSK	1	5	Low	19.24	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	17.24	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	18.21	PASS
Band12	1.4MHz	23173	QPSK	1	5	High	18.20	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	15.99	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	20.11	PASS
Band12	1.4MHz	23017	16QAM	1	5	Low	19.98	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	19.07	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	18.45	PASS
Band12	1.4MHz	23095	16QAM	1	5	Low	18.16	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	17.14	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	17.23	PASS
Band12	1.4MHz	23173	16QAM	1	5	High	17.07	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	15.90	PASS
Band12	3MHz	23025	QPSK	1	0	Low	22.79	PASS
Band12	3MHz	23025	QPSK	1	5	Low	22.70	PASS
Band12	3MHz	23025	QPSK	6	0	Low	21.13	PASS
Band12	3MHz	23095	QPSK	1	0	Low	22.95	PASS
Band12	3MHz	23095	QPSK	1	5	Low	22.76	PASS
Band12	3MHz	23095	QPSK	6	0	Low	20.71	PASS
Band12	3MHz	23165	QPSK	1	0	High	22.42	PASS
Band12	3MHz	23165	QPSK	1	5	High	22.40	PASS
Band12	3MHz	23165	QPSK	6	0	High	20.68	PASS
Band12	3MHz	23025	16QAM	1	0	Low	22.08	PASS
Band12	3MHz	23025	16QAM	1	5	Low	22.22	PASS
Band12	3MHz	23025	16QAM	6	0	Low	20.99	PASS
Band12	3MHz	23095	16QAM	1	0	Low	21.76	PASS
Band12	3MHz	23095	16QAM	1	5	Low	21.66	PASS
Band12	3MHz	23095	16QAM	6	0	Low	20.60	PASS
Band12	3MHz	23165	16QAM	1	0	High	21.74	PASS



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Band12	3MHz	23165	16QAM	1	5	High	21.68	PASS
Band12	3MHz	23165	16QAM	6	0	High	20.53	PASS
Band12	5MHz	23035	QPSK	1	0	Low	23.51	PASS
Band12	5MHz	23035	QPSK	1	5	Low	23.23	PASS
Band12	5MHz	23035	QPSK	6	0	Low	22.03	PASS
Band12	5MHz	23095	QPSK	1	0	Low	23.12	PASS
Band12	5MHz	23095	QPSK	1	5	Low	22.78	PASS
Band12	5MHz	23095	QPSK	6	0	Low	21.88	PASS
Band12	5MHz	23155	QPSK	1	0	High	22.67	PASS
Band12	5MHz	23155	QPSK	1	5	High	22.75	PASS
Band12	5MHz	23155	QPSK	6	0	High	21.84	PASS
Band12	5MHz	23035	16QAM	1	0	Low	23.39	PASS
Band12	5MHz	23035	16QAM	1	5	Low	23.18	PASS
Band12	5MHz	23035	16QAM	6	0	Low	22.15	PASS
Band12	5MHz	23095	16QAM	1	0	Low	22.99	PASS
Band12	5MHz	23095	16QAM	1	5	Low	22.75	PASS
Band12	5MHz	23095	16QAM	6	0	Low	21.95	PASS
Band12	5MHz	23155	16QAM	1	0	High	22.78	PASS
Band12	5MHz	23155	16QAM	1	5	High	22.70	PASS
Band12	5MHz	23155	16QAM	6	0	High	21.79	PASS
Band12	10MHz	23060	QPSK	1	0	Low	21.22	PASS
Band12	10MHz	23060	QPSK	1	5	Low	21.12	PASS
Band12	10MHz	23060	QPSK	6	0	Low	19.99	PASS
Band12	10MHz	23095	QPSK	1	0	Low	20.78	PASS
Band12	10MHz	23095	QPSK	1	5	Low	20.41	PASS
Band12	10MHz	23095	QPSK	6	0	Low	19.38	PASS
Band12	10MHz	23130	QPSK	1	0	High	19.91	PASS
Band12	10MHz	23130	QPSK	1	5	High	19.95	PASS
Band12	10MHz	23130	QPSK	6	0	High	18.86	PASS
Band12	10MHz	23060	16QAM	1	0	Low	21.21	PASS
Band12	10MHz	23060	16QAM	1	5	Low	21.00	PASS
Band12	10MHz	23060	16QAM	6	0	Low	20.11	PASS
Band12	10MHz	23095	16QAM	1	0	Low	20.56	PASS
Band12	10MHz	23095	16QAM	1	5	Low	20.35	PASS
Band12	10MHz	23095	16QAM	6	0	Low	19.57	PASS
Band12	10MHz	23130	16QAM	1	0	High	20.31	PASS
Band12	10MHz	23130	16QAM	1	5	High	19.96	PASS
Band12	10MHz	23130	16QAM	6	0	High	19.00	PASS



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F.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	10.18	<=13	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	10.94	<=13	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	8.90	<=13	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	10.81	<=13	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	9.55	<=13	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	11.53	<=13	PASS
Band12	3MHz	23025	QPSK	6	0	Low	9.50	<=13	PASS
Band12	3MHz	23095	QPSK	6	0	Low	10.63	<=13	PASS
Band12	3MHz	23165	QPSK	6	0	High	10.69	<=13	PASS
Band12	3MHz	23025	16QAM	6	0	Low	8.80	<=13	PASS
Band12	3MHz	23095	16QAM	6	0	Low	9.49	<=13	PASS
Band12	3MHz	23165	16QAM	6	0	High	11.96	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	Low	10.28	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	Low	10.27	<=13	PASS
Band12	5MHz	23155	QPSK	6	0	High	8.69	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	Low	10.06	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	Low	10.00	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	High	9.16	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	Low	10.02	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	Low	9.77	<=13	PASS
Band12	10MHz	23130	QPSK	6	0	High	10.67	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	Low	8.63	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	Low	9.99	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	High	10.17	<=13	PASS



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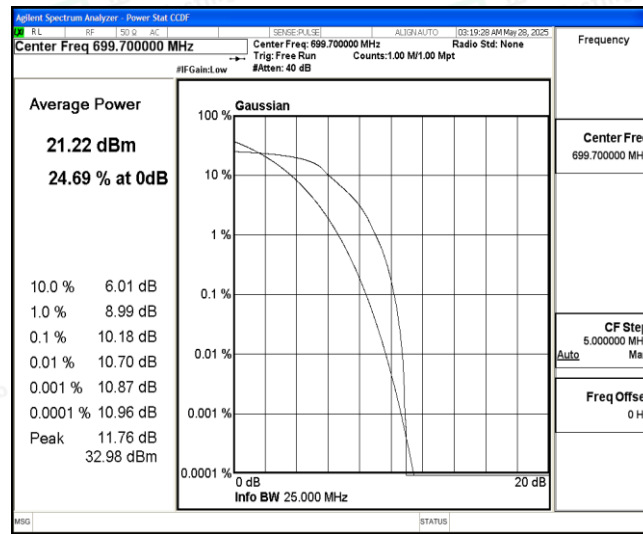
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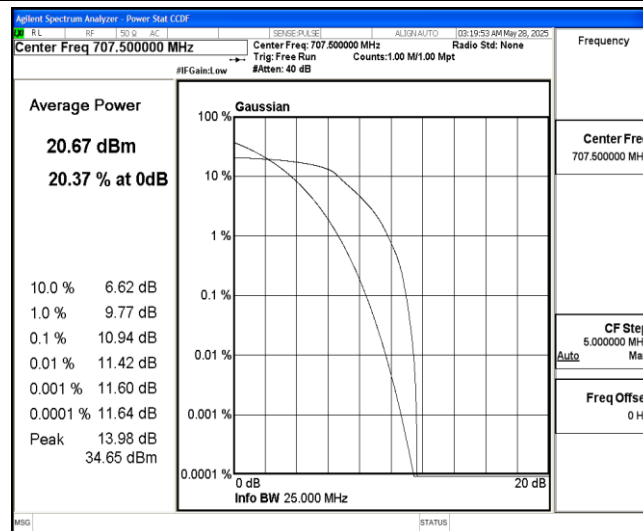
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Test Graphs



Band12-1.4MHz-QPSK-23017-6-0-Low-10.18-<=13-PASS



Band12-1.4MHz-QPSK-23095-6-0-Low-10.94-<=13-PASS

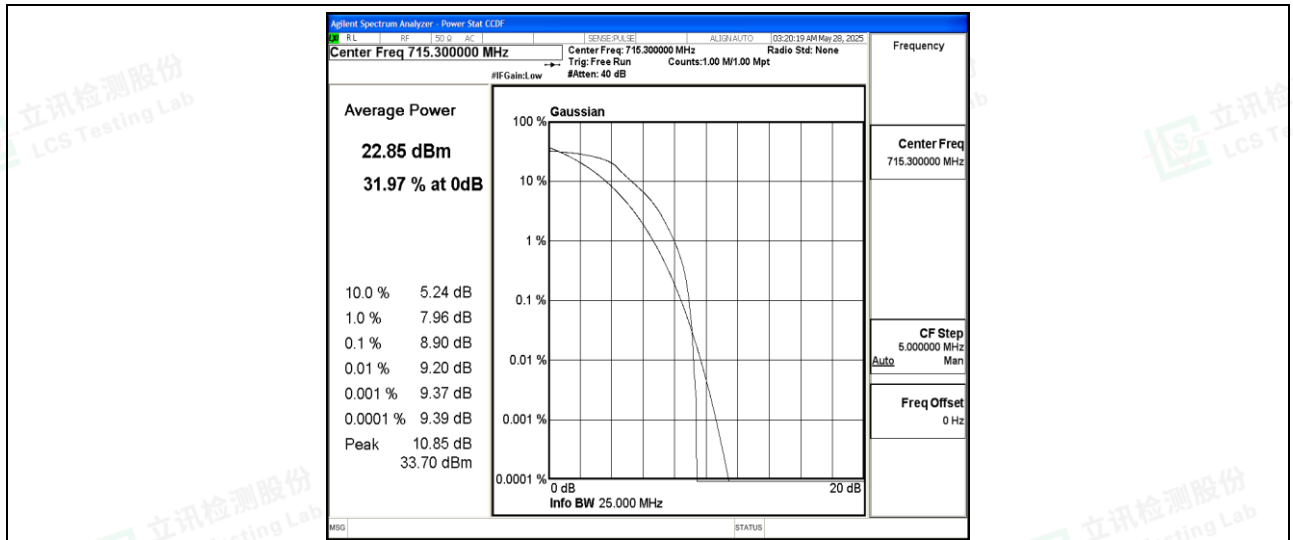


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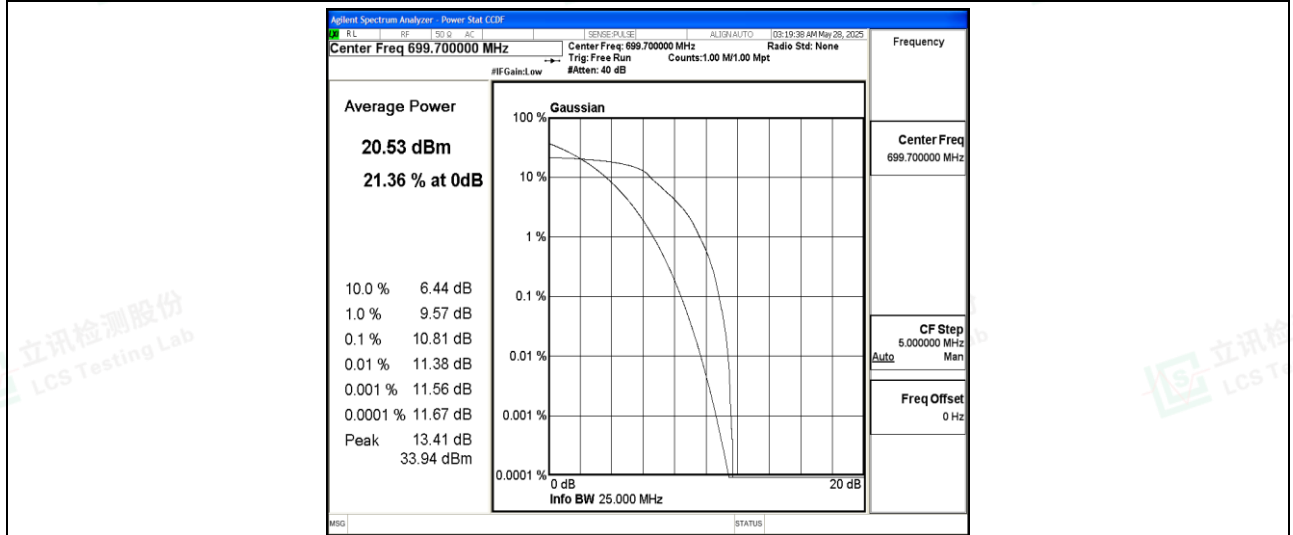
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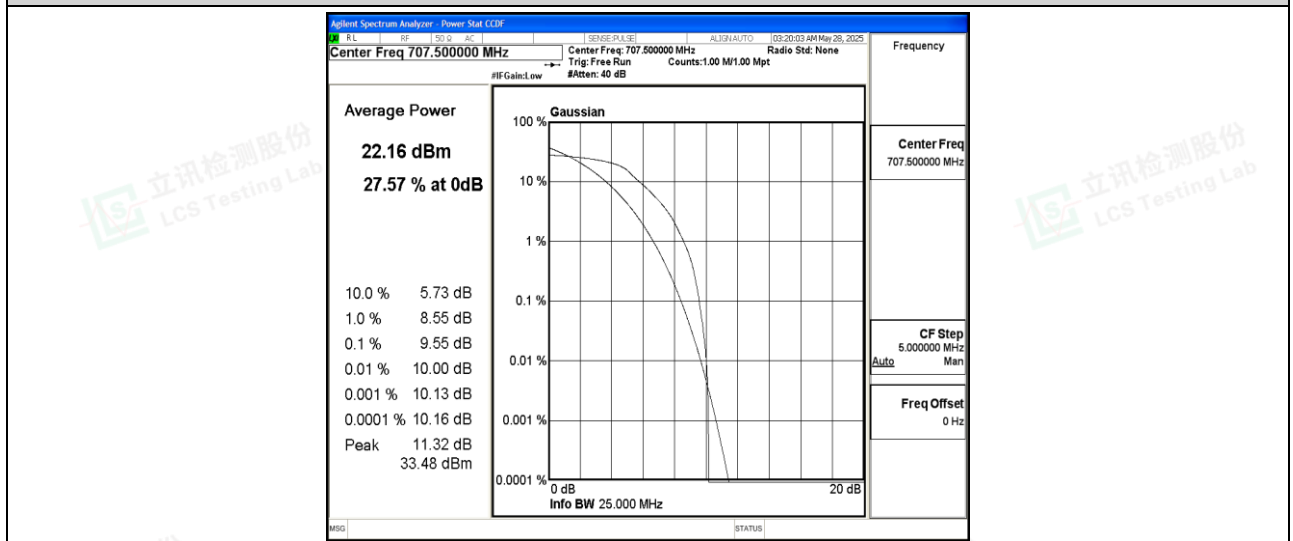
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Band12-1.4MHz-QPSK-23173-6-0-High-8.90-<=13-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low-10.81-<=13-PASS



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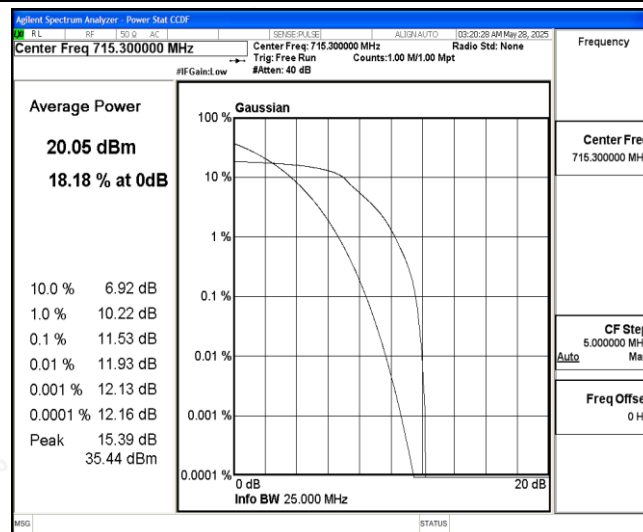
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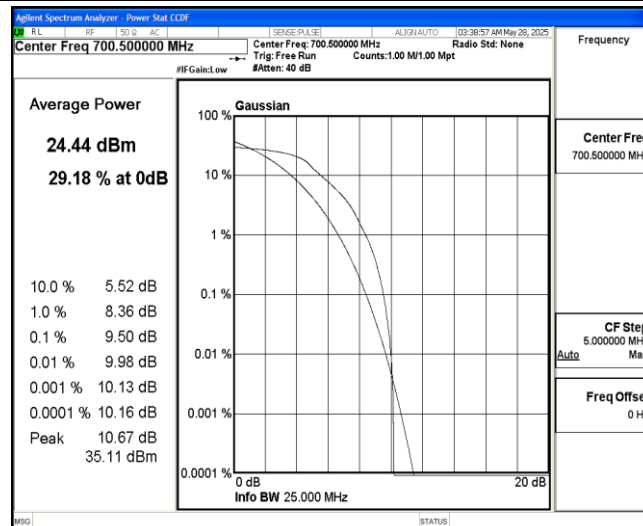
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Band12-1.4MHz-16QAM-23095-6-0-Low-9.55-<=13-PASS



Band12-1.4MHz-16QAM-23173-6-0-High-11.53-<=13-PASS



Band12-3MHz-QPSK-23025-6-0-Low-9.50-<=13-PASS

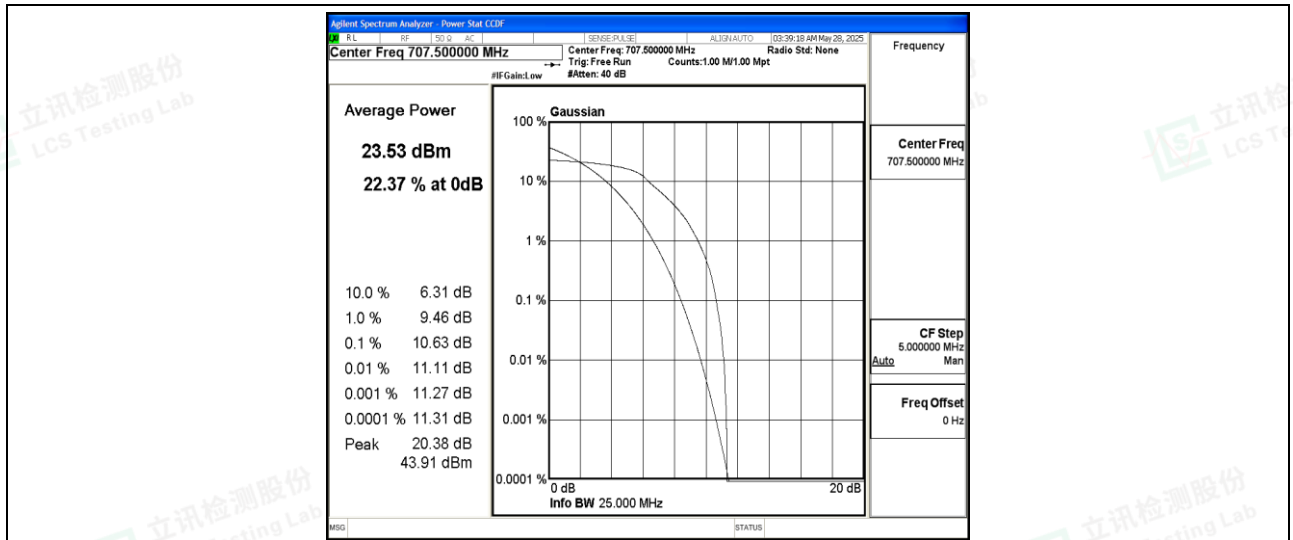


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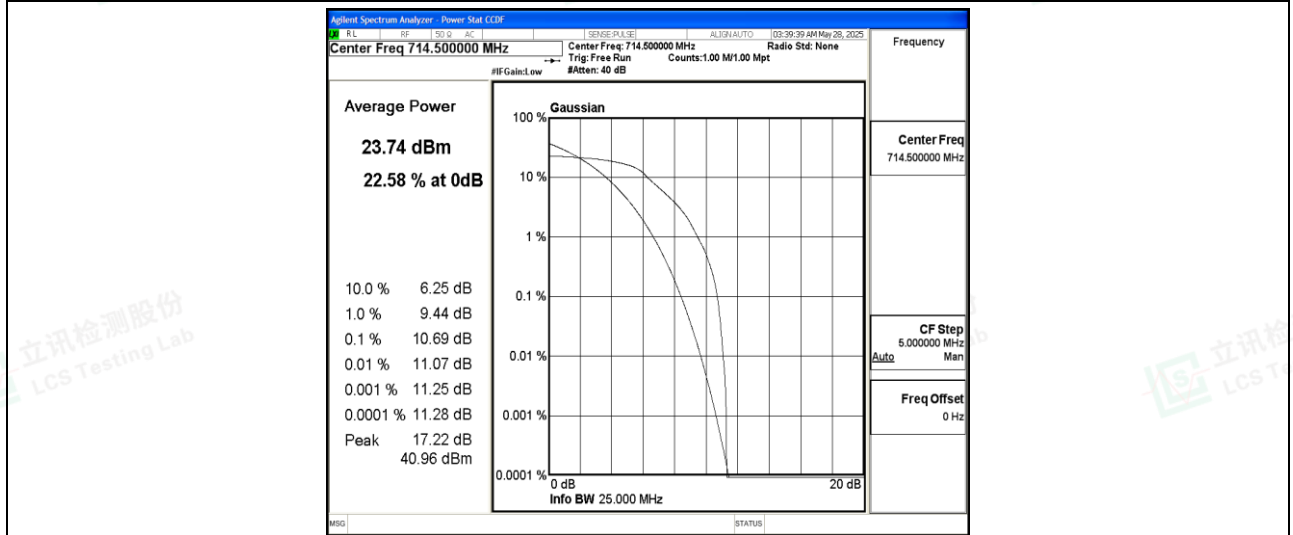
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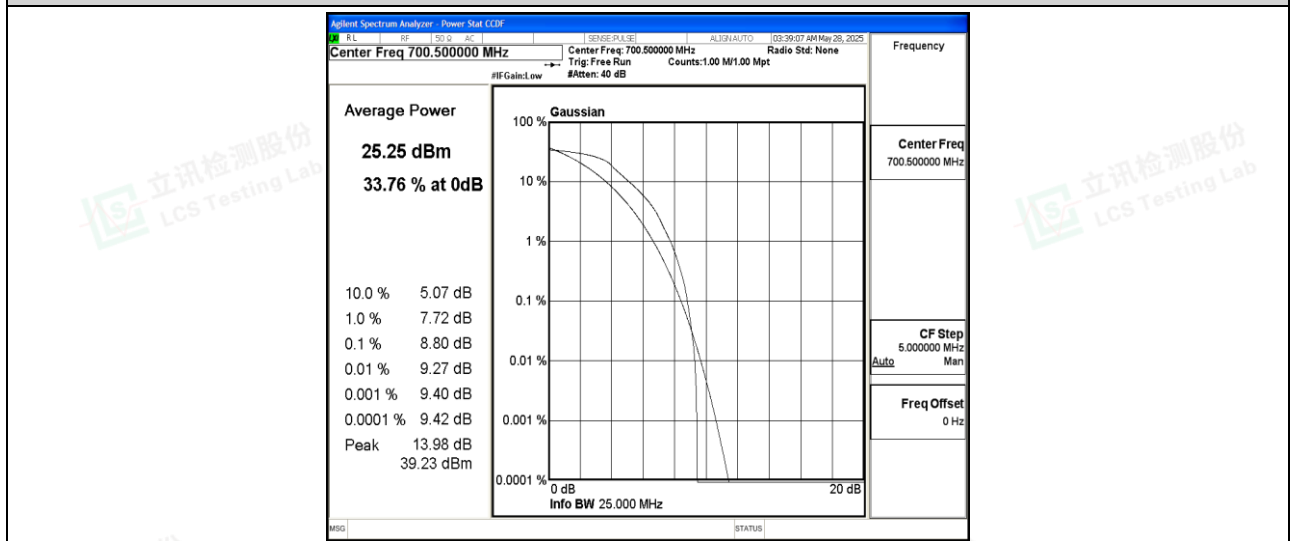
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Band12-3MHz-QPSK-23095-6-0-Low-10.63-<=13-PASS



Band12-3MHz-QPSK-23165-6-0-High-10.69-<=13-PASS



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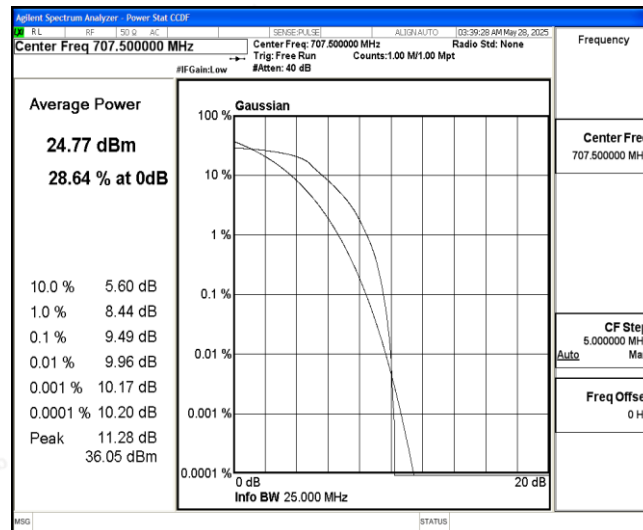
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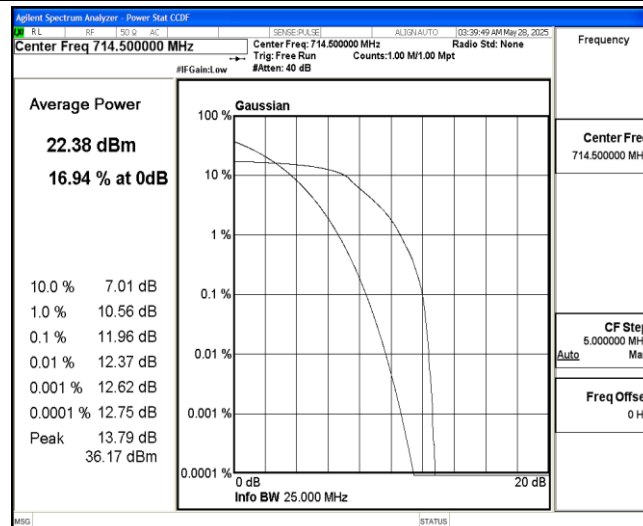
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Band12-3MHz-16QAM-23025-6-0-Low-8.80-<=13-PASS



Band12-3MHz-16QAM-23095-6-0-Low-9.49-<=13-PASS



Band12-3MHz-16QAM-23165-6-0-High-11.96-<=13-PASS

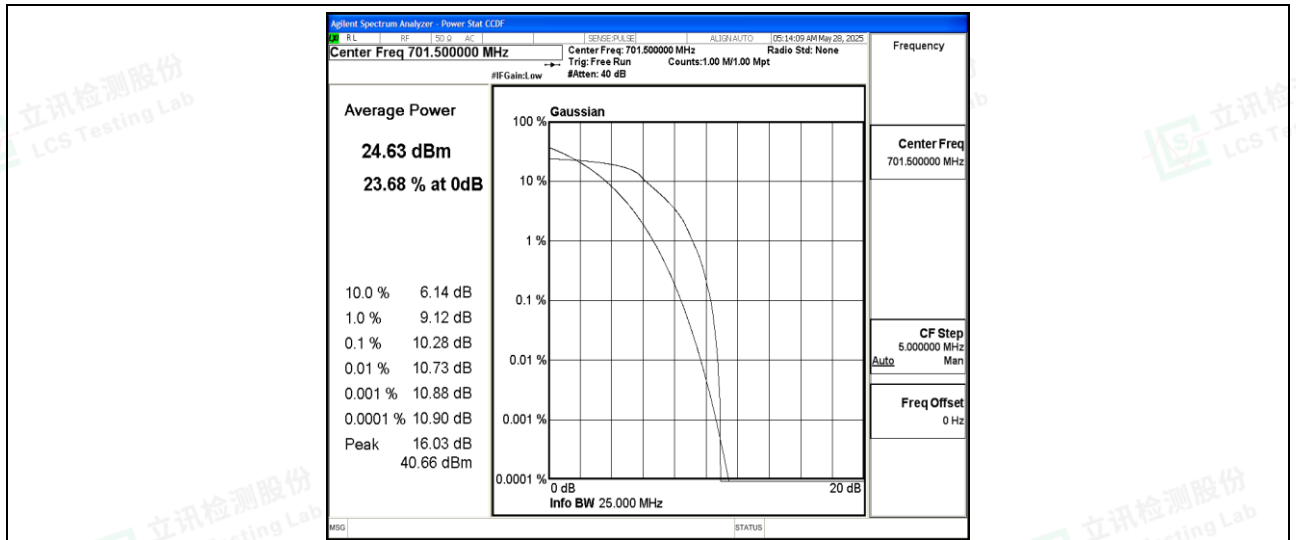


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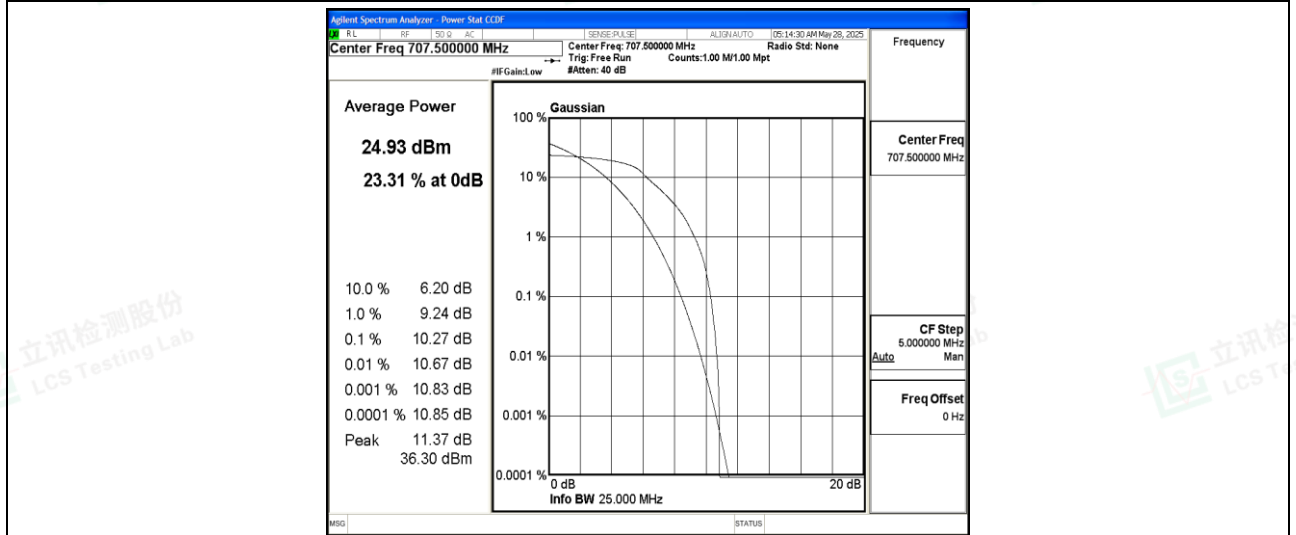
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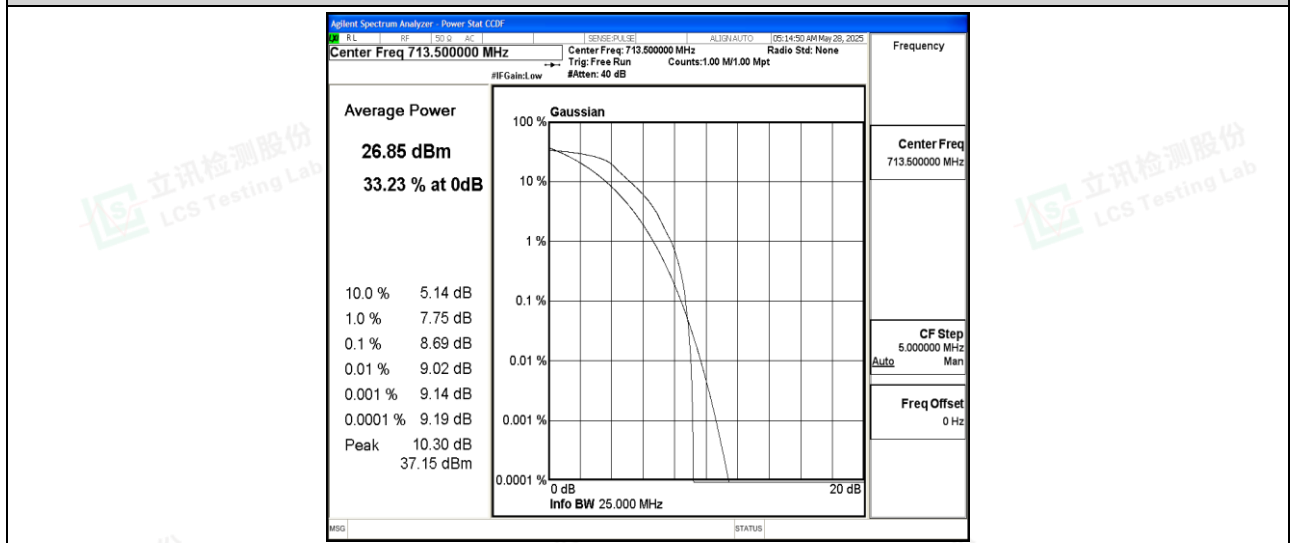
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Band12-5MHz-QPSK-23035-6-0-Low-10.28-<=13-PASS



Band12-5MHz-QPSK-23095-6-0-Low-10.27-<=13-PASS



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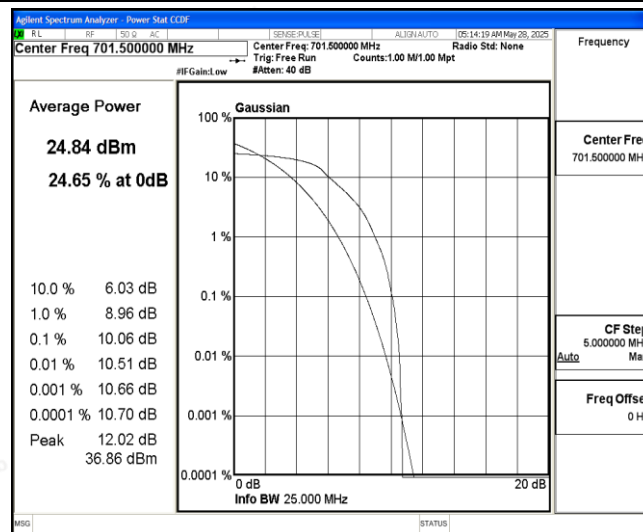
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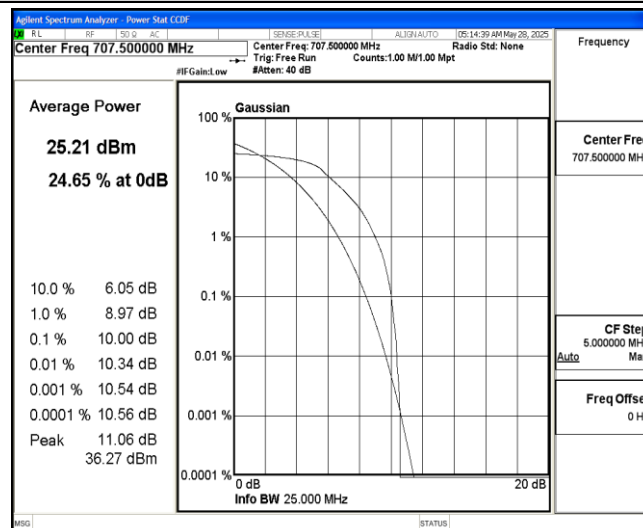
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Band12-5MHz-QPSK-23155-6-0-High-8.69-<=13-PASS



Band12-5MHz-16QAM-23035-6-0-Low-10.06-<=13-PASS



Band12-5MHz-16QAM-23095-6-0-Low-10.00-<=13-PASS

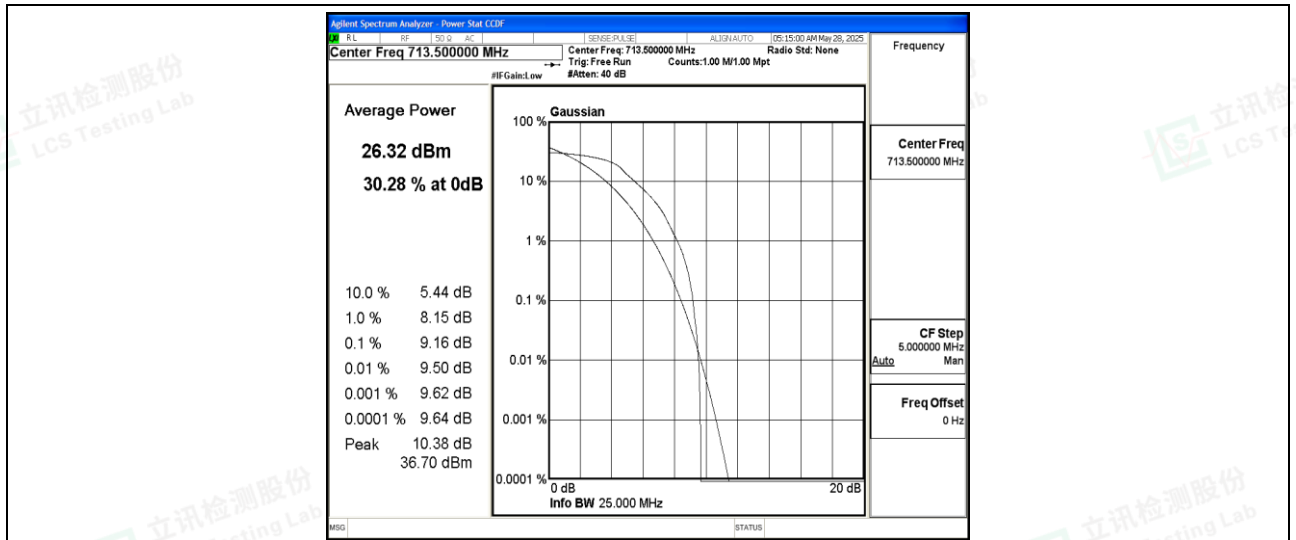


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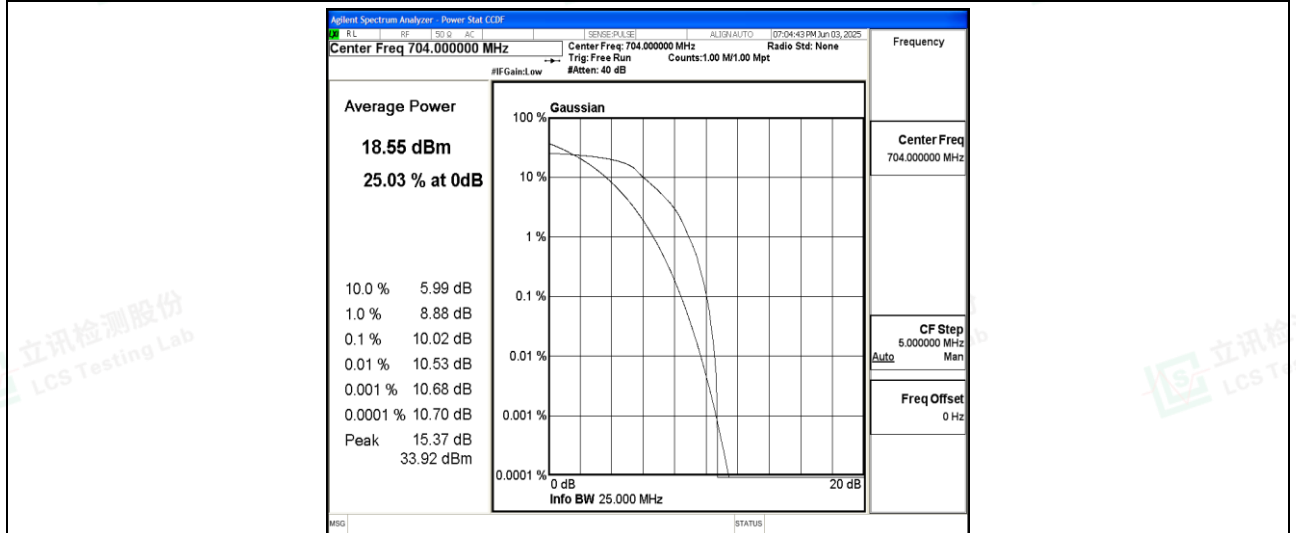
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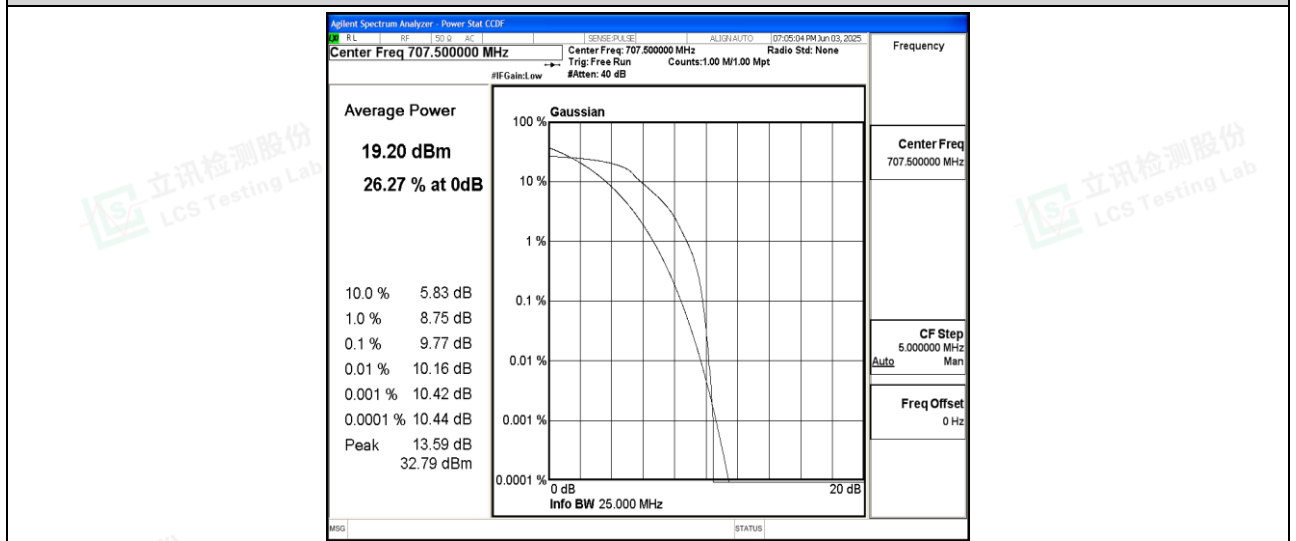
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Band12-5MHz-16QAM-23155-6-0-High-9.16-<=13-PASS



Band12-10MHz-QPSK-23060-6-0-Low-10.02-<=13-PASS



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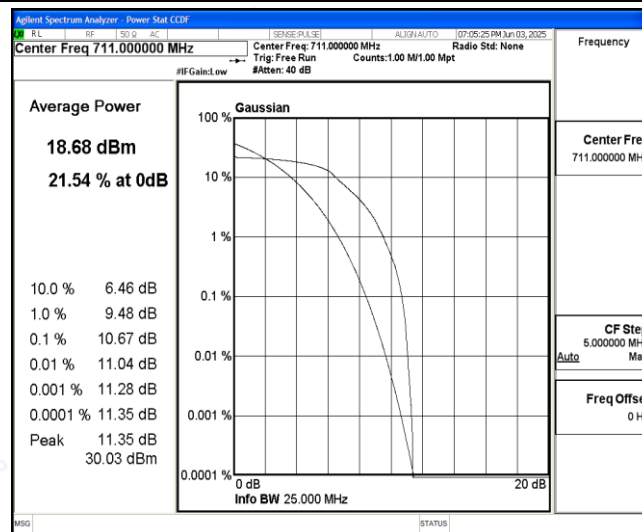
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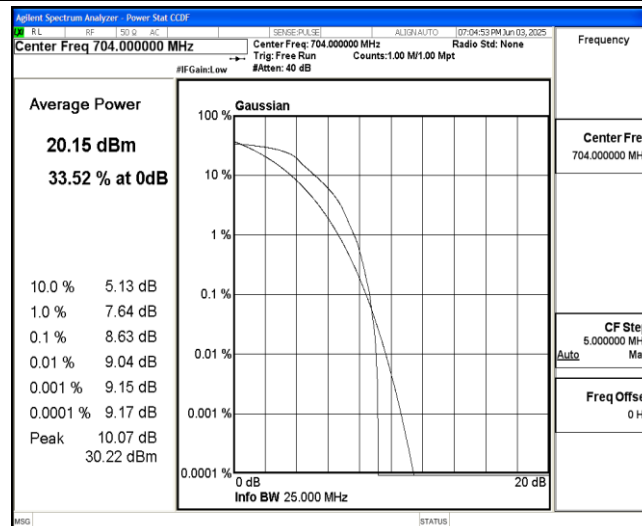
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Band12-10MHz-QPSK-23095-6-0-Low-9.77-<=13-PASS



Band12-10MHz-QPSK-23130-6-0-High-10.67-<=13-PASS



Band12-10MHz-16QAM-23060-6-0-Low-8.63-<=13-PASS

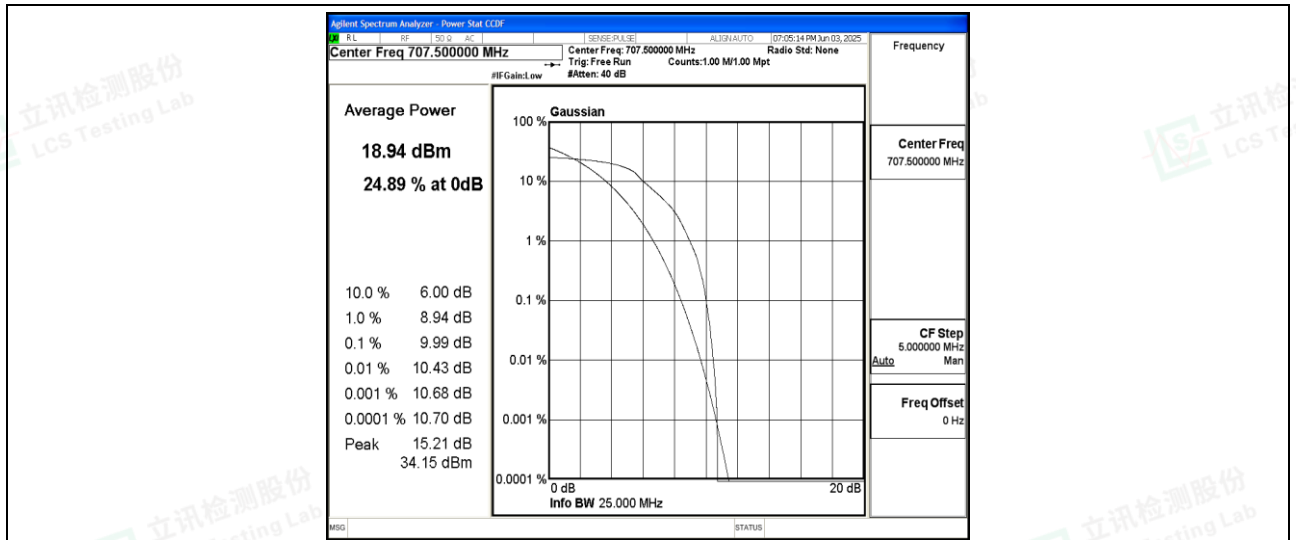


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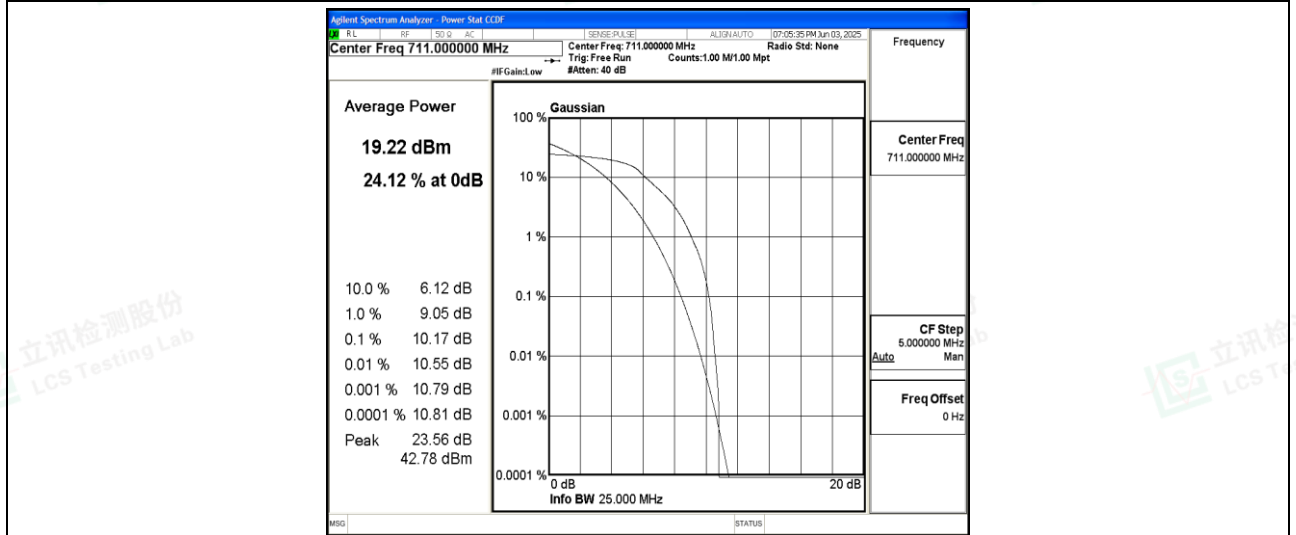
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Band12-10MHz-16QAM-23095-6-0-Low-9.99-<=13-PASS



Band12-10MHz-16QAM-23130-6-0-High-10.17-<=13-PASS



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F.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	1.0971	1.282	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	1.0870	1.273	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	1.0962	1.292	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	1.0909	1.283	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	1.0928	1.258	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	1.1019	1.296	PASS
Band12	3MHz	23025	QPSK	6	0	Low	1.1146	1.369	PASS
Band12	3MHz	23095	QPSK	6	0	Low	1.1113	1.314	PASS
Band12	3MHz	23165	QPSK	6	0	High	1.1243	1.311	PASS
Band12	3MHz	23025	16QAM	6	0	Low	1.1072	1.366	PASS
Band12	3MHz	23095	16QAM	6	0	Low	1.1136	1.315	PASS
Band12	3MHz	23165	16QAM	6	0	High	1.1157	1.319	PASS
Band12	5MHz	23035	QPSK	6	0	Low	1.1835	1.575	PASS
Band12	5MHz	23095	QPSK	6	0	Low	1.1691	1.592	PASS
Band12	5MHz	23155	QPSK	6	0	High	1.1975	1.413	PASS
Band12	5MHz	23035	16QAM	6	0	Low	1.1749	1.428	PASS
Band12	5MHz	23095	16QAM	6	0	Low	1.1691	1.507	PASS
Band12	5MHz	23155	16QAM	6	0	High	1.1957	1.383	PASS
Band12	10MHz	23060	QPSK	6	0	Low	1.3423	2.114	PASS
Band12	10MHz	23095	QPSK	6	0	Low	1.3420	2.178	PASS
Band12	10MHz	23130	QPSK	6	0	High	1.3388	1.749	PASS
Band12	10MHz	23060	16QAM	6	0	Low	1.3354	2.268	PASS
Band12	10MHz	23095	16QAM	6	0	Low	1.3382	2.010	PASS
Band12	10MHz	23130	16QAM	6	0	High	1.3389	1.928	PASS



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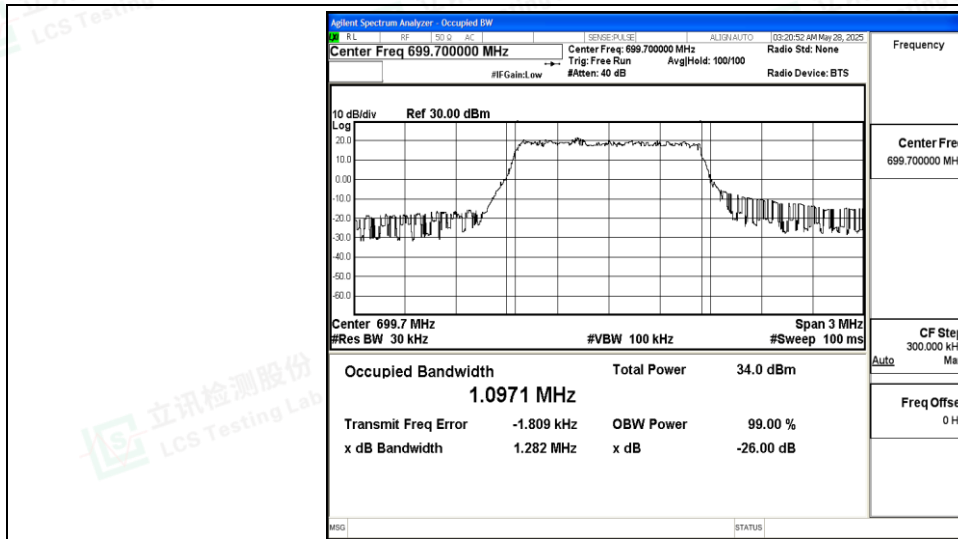
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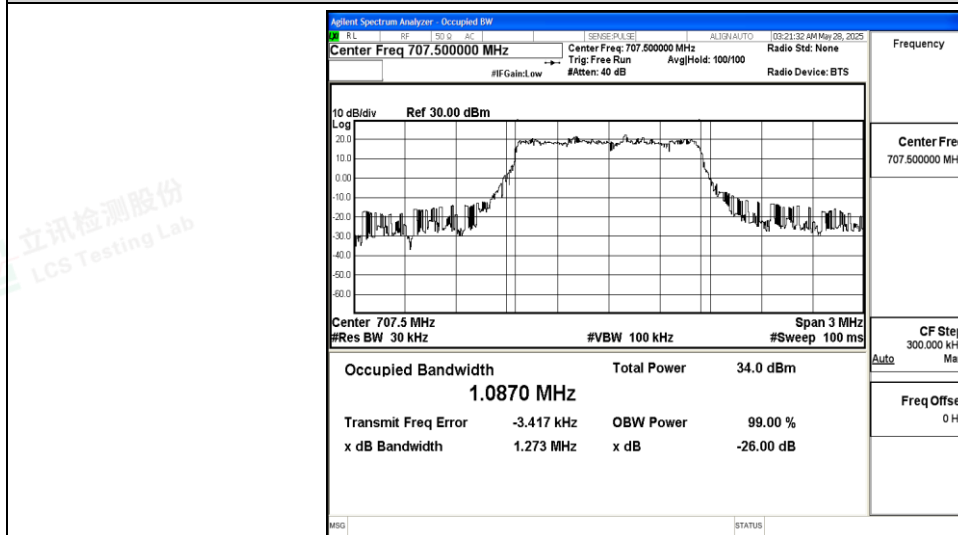
Scan code to check authenticity



Test Graphs



Band12-1.4MHz-QPSK-23017-6-0-Low-1.0971-1.282-PASS



Band12-1.4MHz-QPSK-23095-6-0-Low-1.0870-1.273-PASS

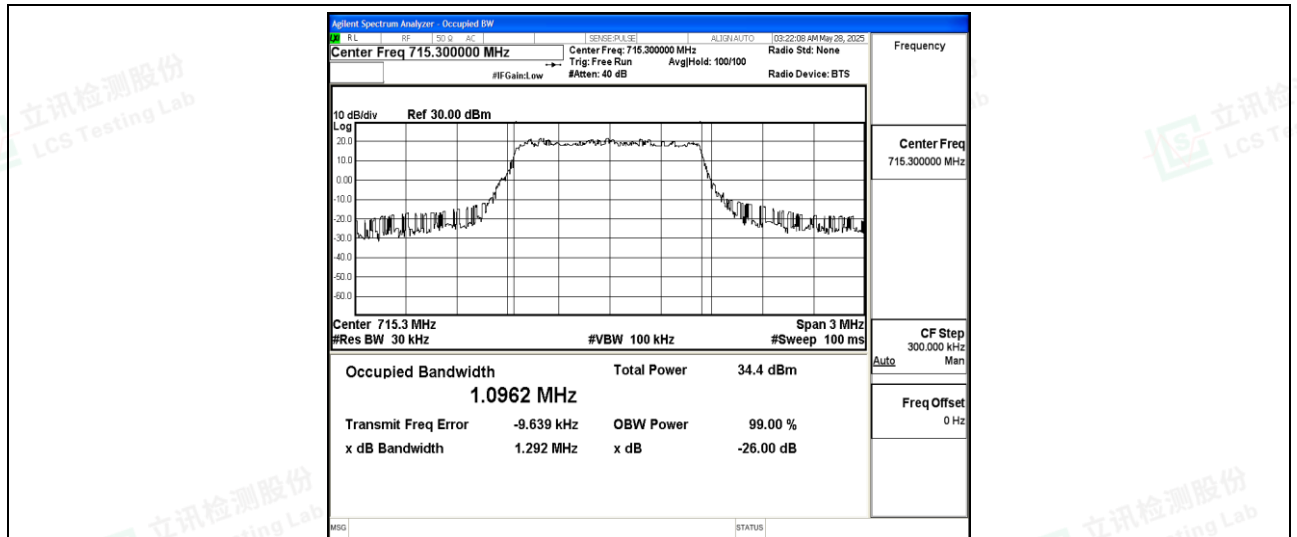


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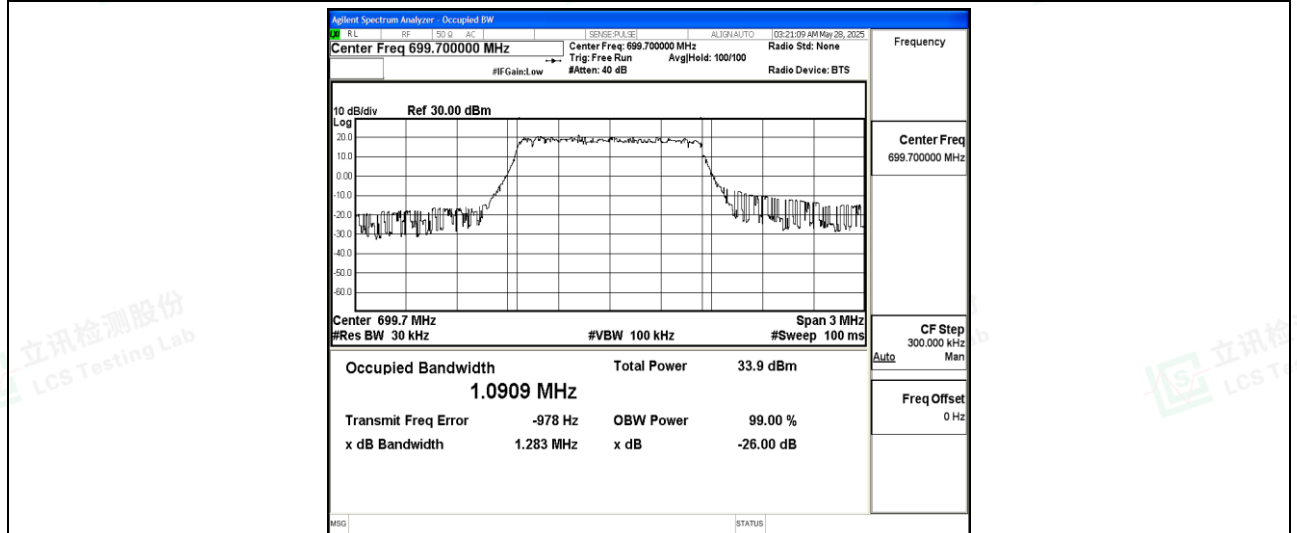
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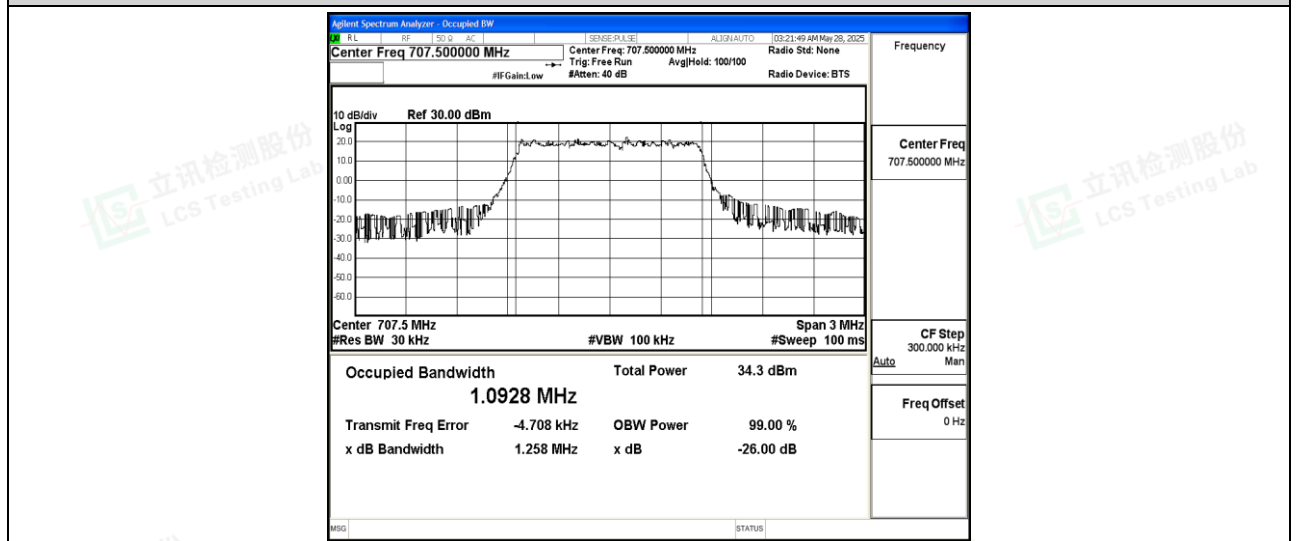
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Band12-1.4MHz-QPSK-23173-6-0-High-1.0962-1.292-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low-1.0909-1.283-PASS



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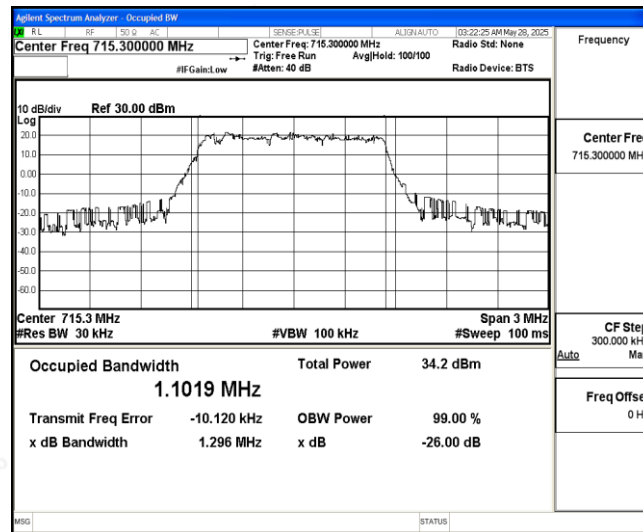
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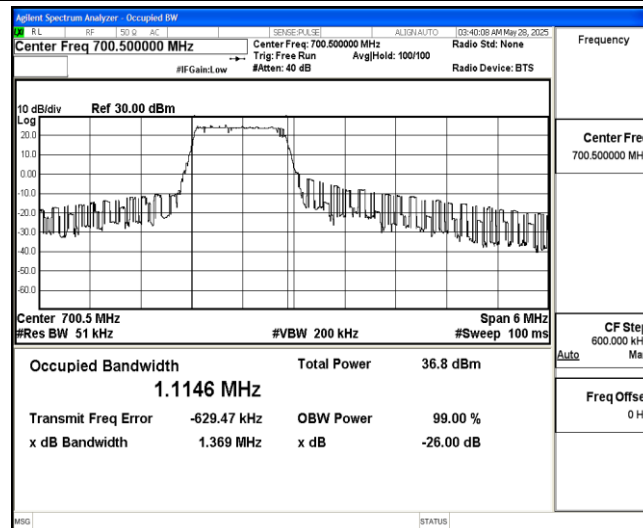
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Band12-1.4MHz-16QAM-23095-6-0-Low-1.0928-1.258-PASS



Band12-1.4MHz-16QAM-23173-6-0-High-1.1019-1.296-PASS



Band12-3MHz-QPSK-23025-6-0-Low-1.1146-1.369-PASS

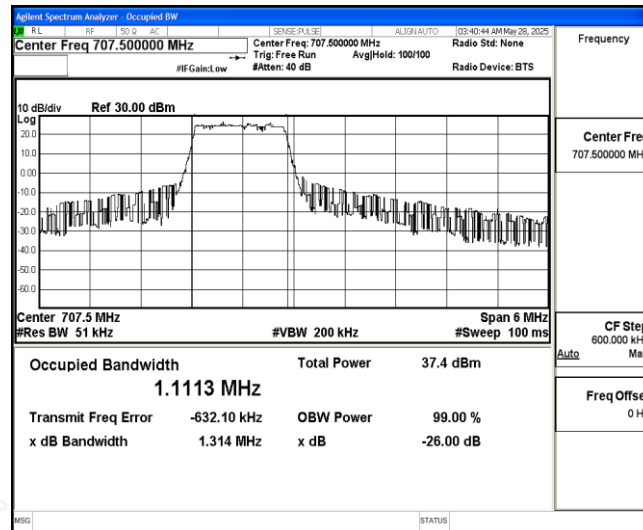


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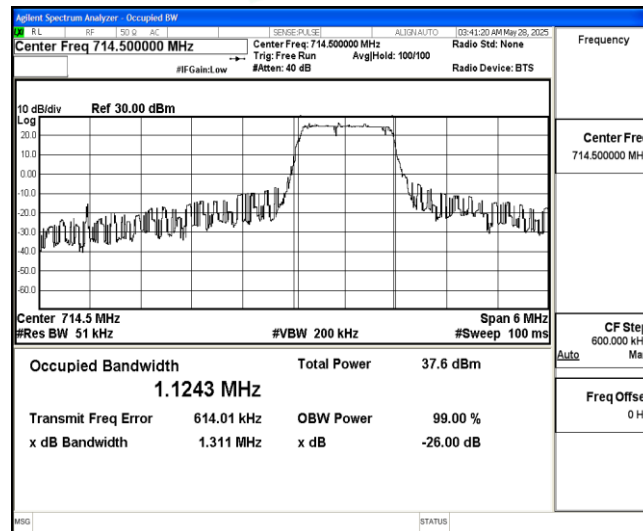
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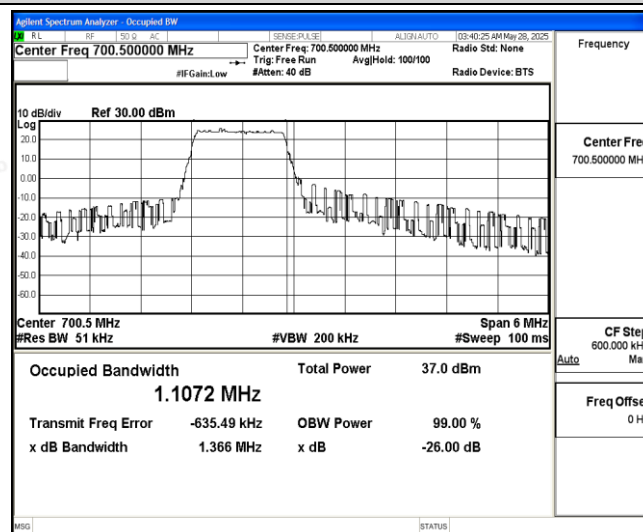
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Band12-3MHz-QPSK-23095-6-0-Low-1.1113-1.314-PASS



Band12-3MHz-QPSK-23165-6-0-High-1.1243-1.311-PASS



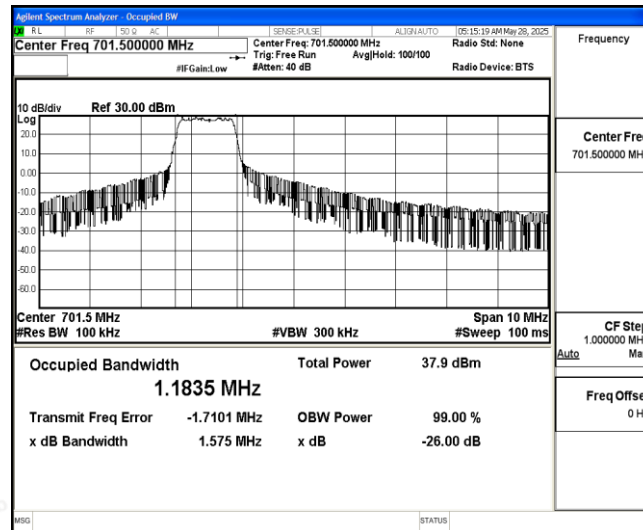
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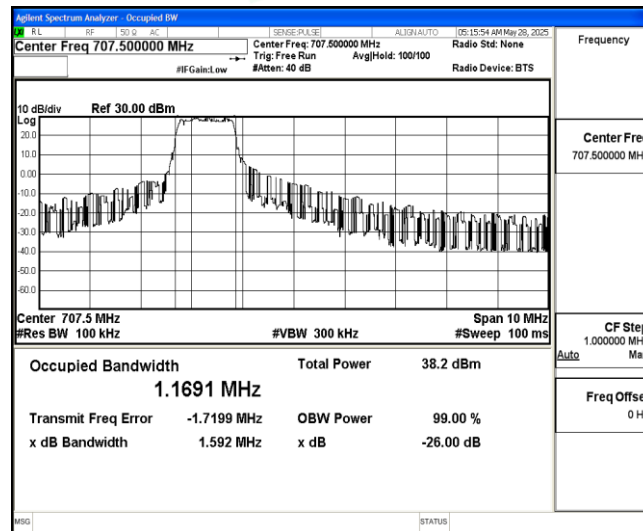
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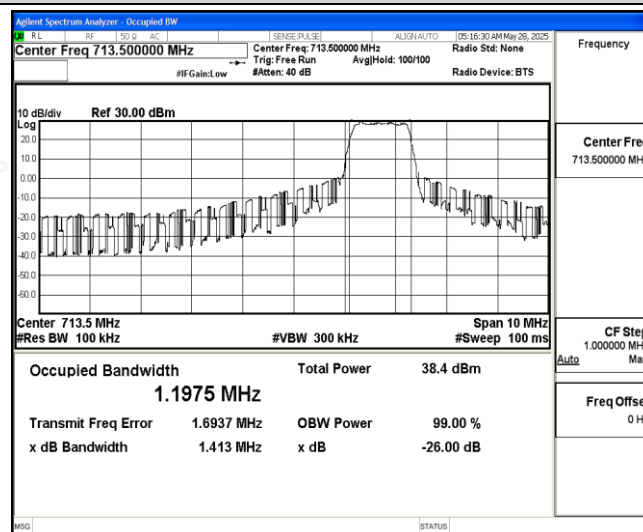
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Band12-5MHz-QPSK-23035-6-0-Low-1.1835-1.575-PASS



Band12-5MHz-QPSK-23095-6-0-Low-1.1691-1.592-PASS



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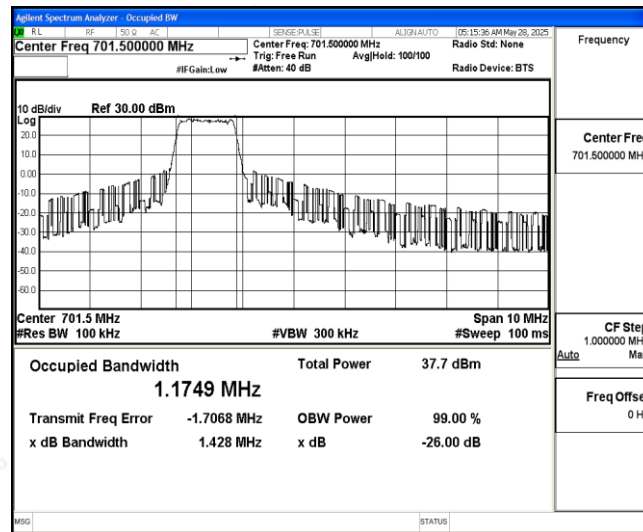
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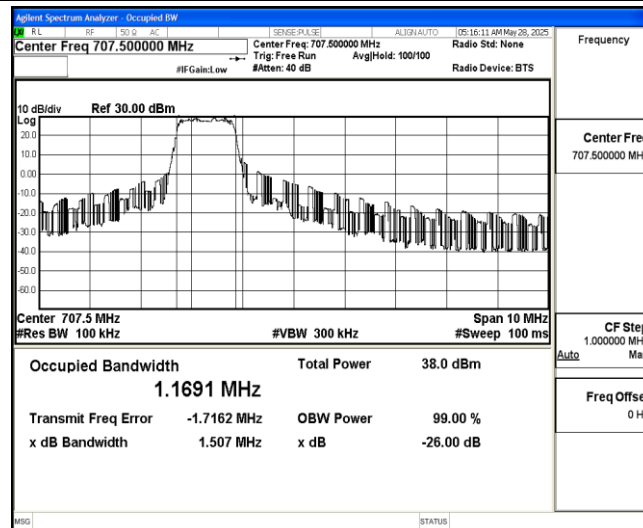
Scan code to check authenticity



Band12-5MHz-QPSK-23155-6-0-High-1.1975-1.413-PASS



Band12-5MHz-16QAM-23035-6-0-Low-1.1749-1.428-PASS



Band12-5MHz-16QAM-23095-6-0-Low-1.1691-1.507-PASS

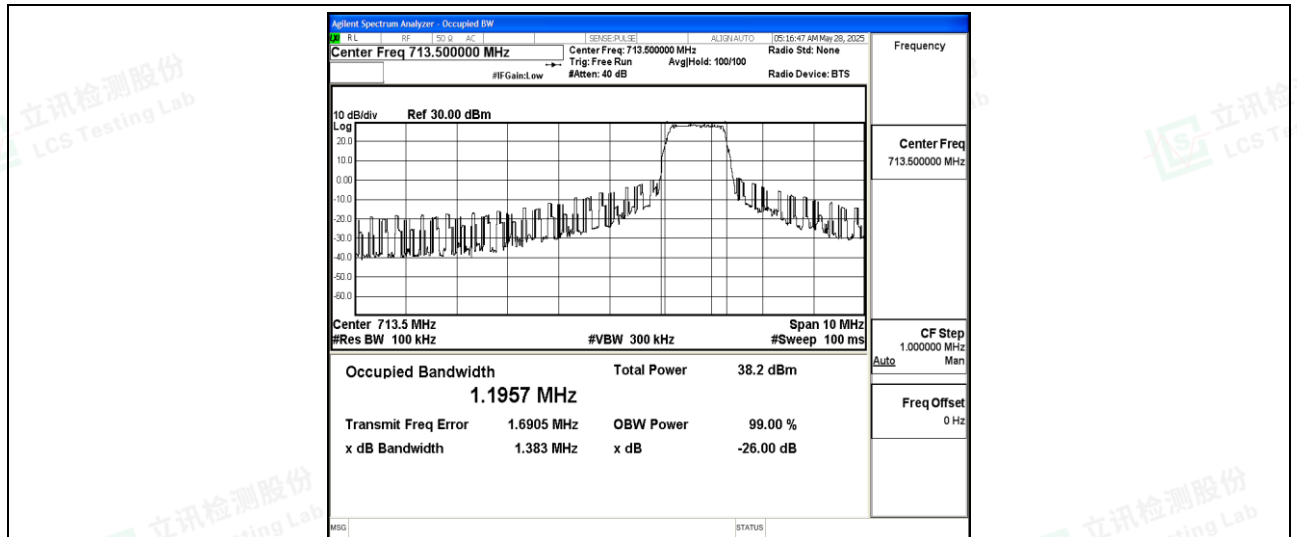


Shenzhen LCS Compliance Testing Laboratory Ltd.

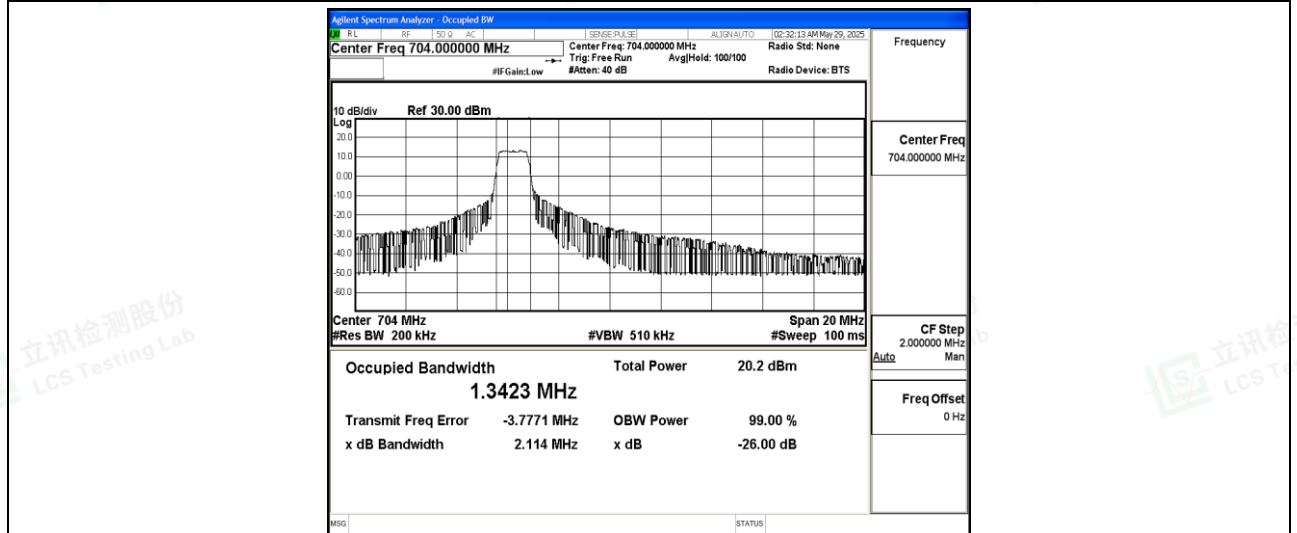
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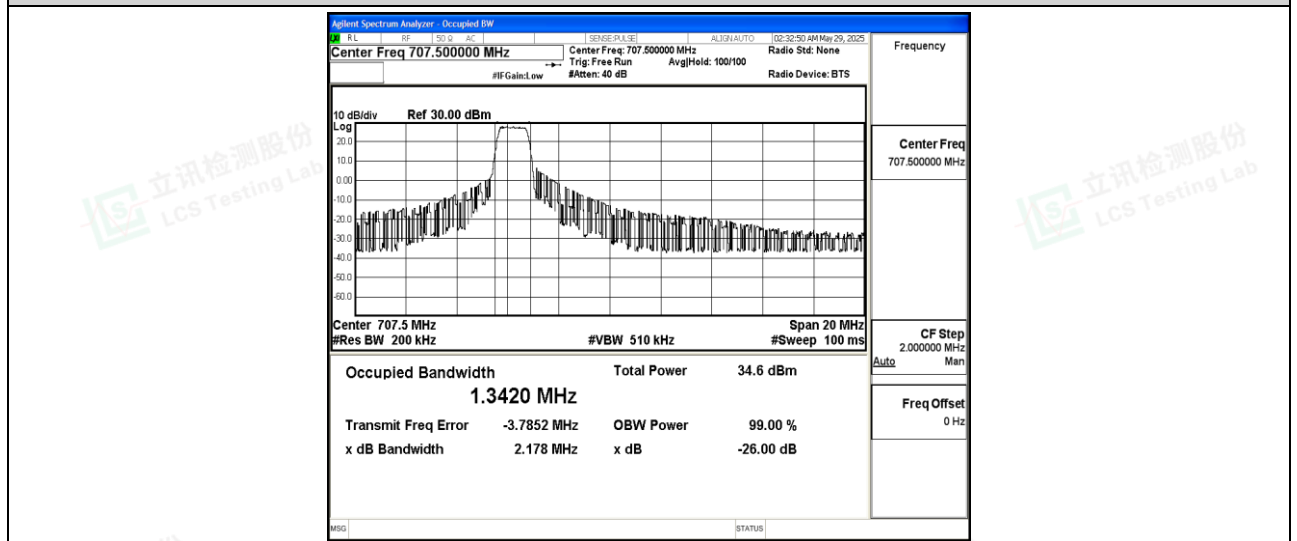
Scan code to check authenticity



Band12-5MHz-16QAM-23155-6-0-High-1.1957-1.383-PASS



Band12-10MHz-QPSK-23060-6-0-Low-1.3423-2.114-PASS



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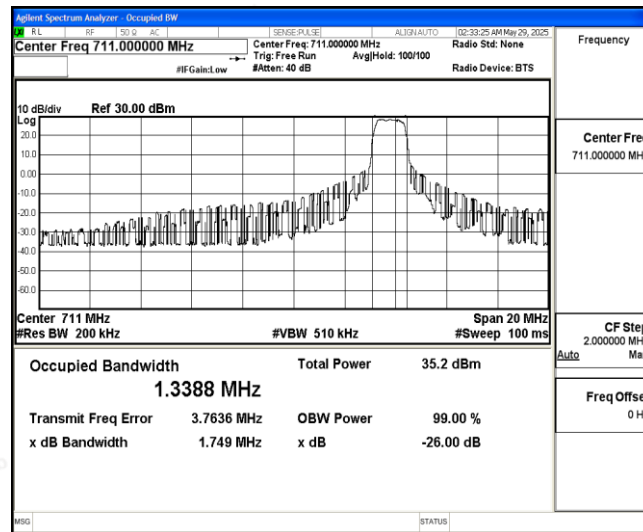
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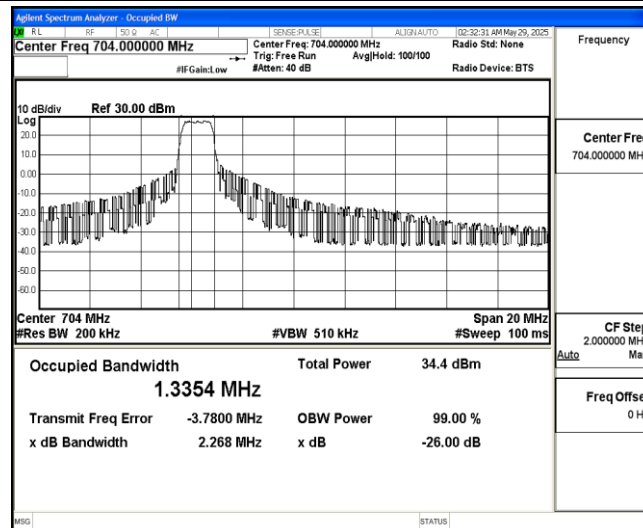
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Band12-10MHz-QPSK-23095-6-0-Low-1.3420-2.178-PASS



Band12-10MHz-QPSK-23130-6-0-High-1.3388-1.749-PASS



Band12-10MHz-16QAM-23060-6-0-Low-1.3354-2.268-PASS

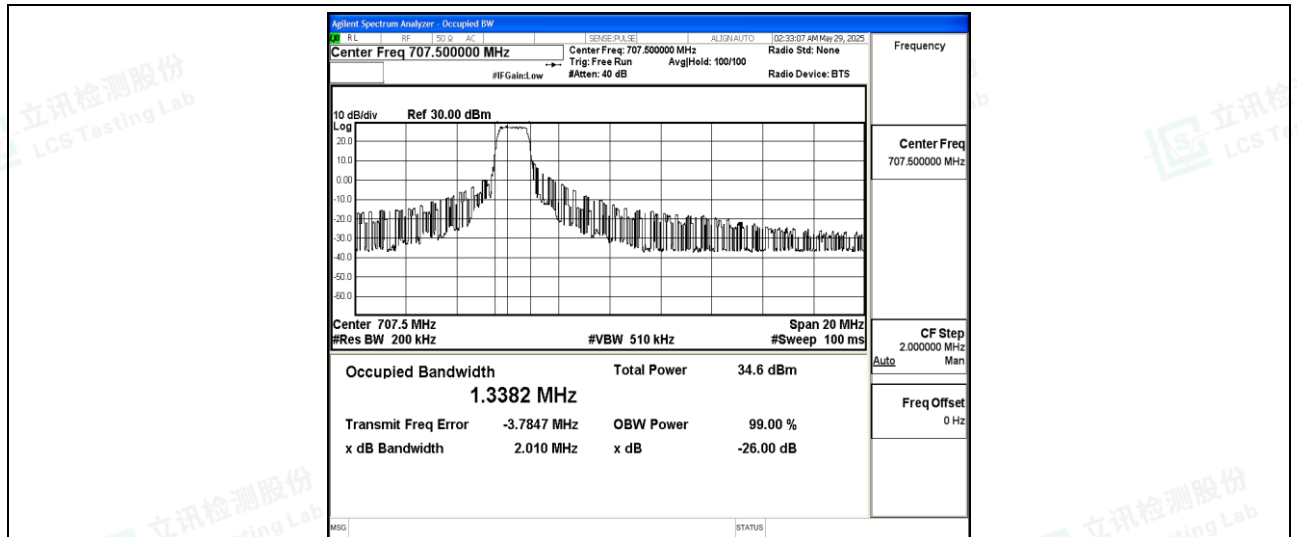


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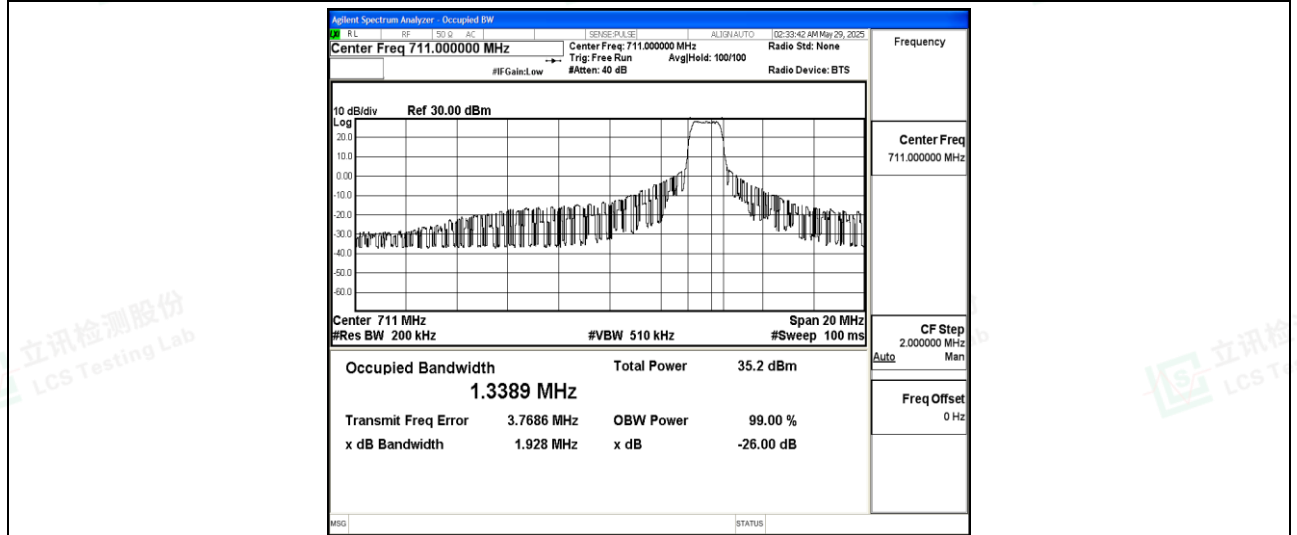
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Band12-10MHz-16QAM-23095-6-0-Low-1.3382-2.010-PASS



Band12-10MHz-16QAM-23130-6-0-High-1.3389-1.928-PASS



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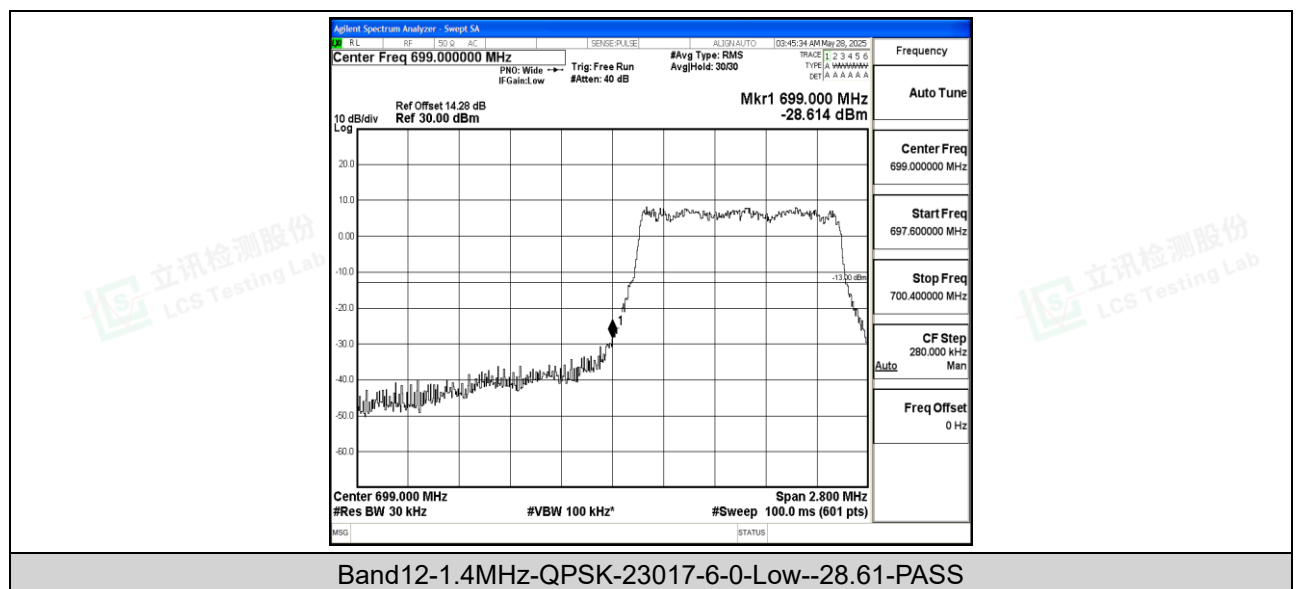


F.4 Band Edge for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	-28.61	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	-29.99	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	-26.38	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	-27.84	PASS
Band12	3MHz	23025	QPSK	6	0	Low	-30.94	PASS
Band12	3MHz	23165	QPSK	6	0	High	-28.53	PASS
Band12	3MHz	23025	16QAM	6	0	Low	-30.68	PASS
Band12	3MHz	23165	16QAM	6	0	High	-29.89	PASS
Band12	5MHz	23035	QPSK	6	0	Low	-23.88	PASS
Band12	5MHz	23155	QPSK	6	0	High	-23.33	PASS
Band12	5MHz	23035	16QAM	6	0	Low	-25.40	PASS
Band12	5MHz	23155	16QAM	6	0	High	-23.70	PASS
Band12	10MHz	23060	QPSK	6	0	Low	-27.49	PASS
Band12	10MHz	23130	QPSK	6	0	High	-25.81	PASS
Band12	10MHz	23060	16QAM	6	0	Low	-23.82	PASS
Band12	10MHz	23130	16QAM	6	0	High	-26.21	PASS

Test Graphs

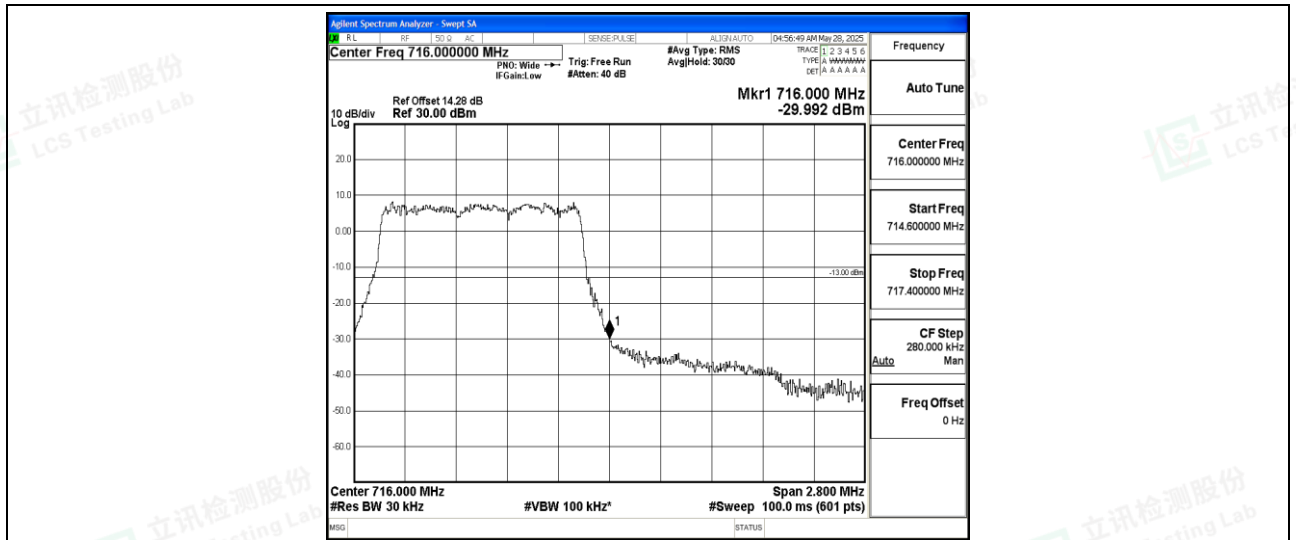


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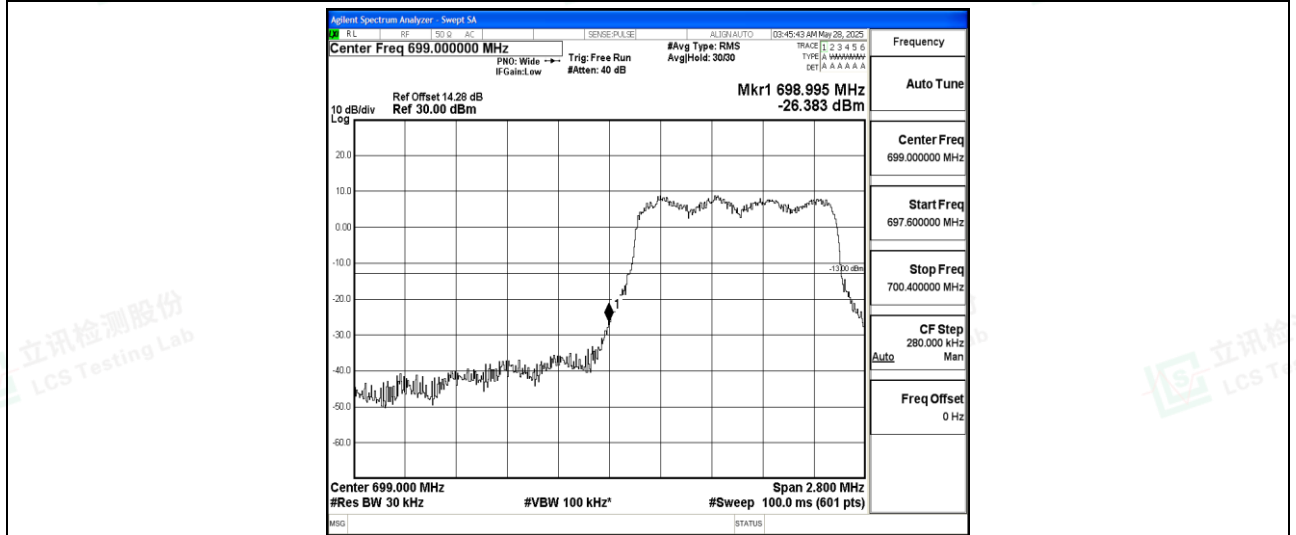
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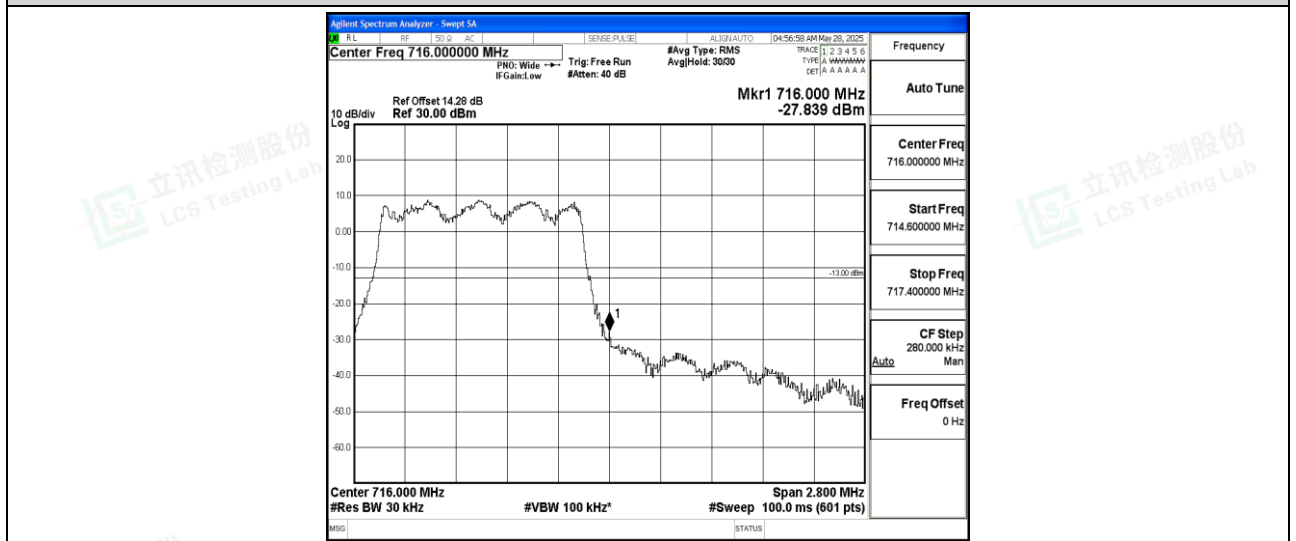
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Band12-1.4MHz-QPSK-23173-6-0-High--29.99-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low--26.38-PASS



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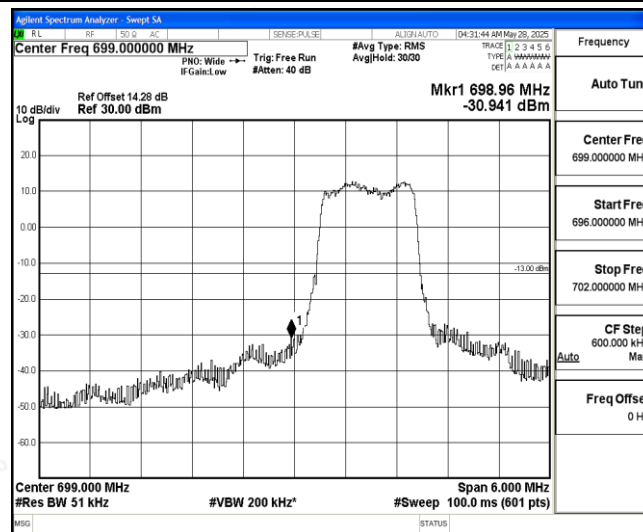
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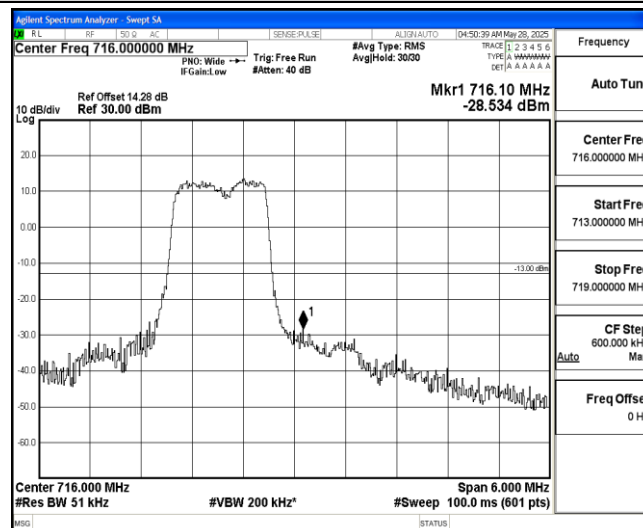
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Band12-1.4MHz-16QAM-23173-6-0-High--27.84-PASS



Band12-3MHz-QPSK-23025-6-0-Low--30.94-PASS



Band12-3MHz-QPSK-23165-6-0-High--28.53-PASS

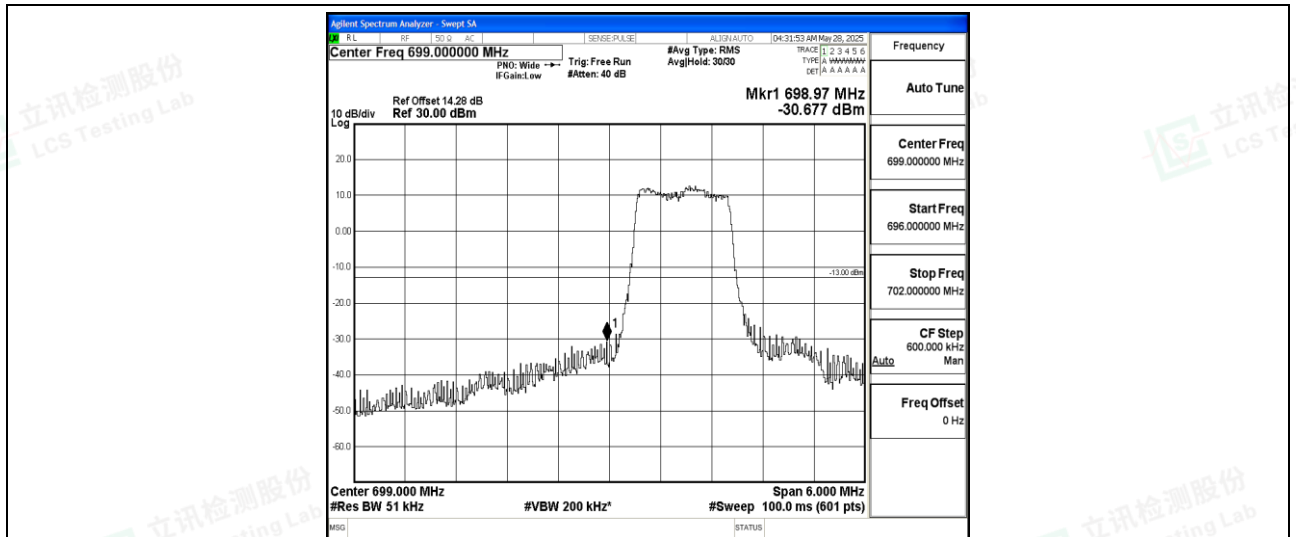


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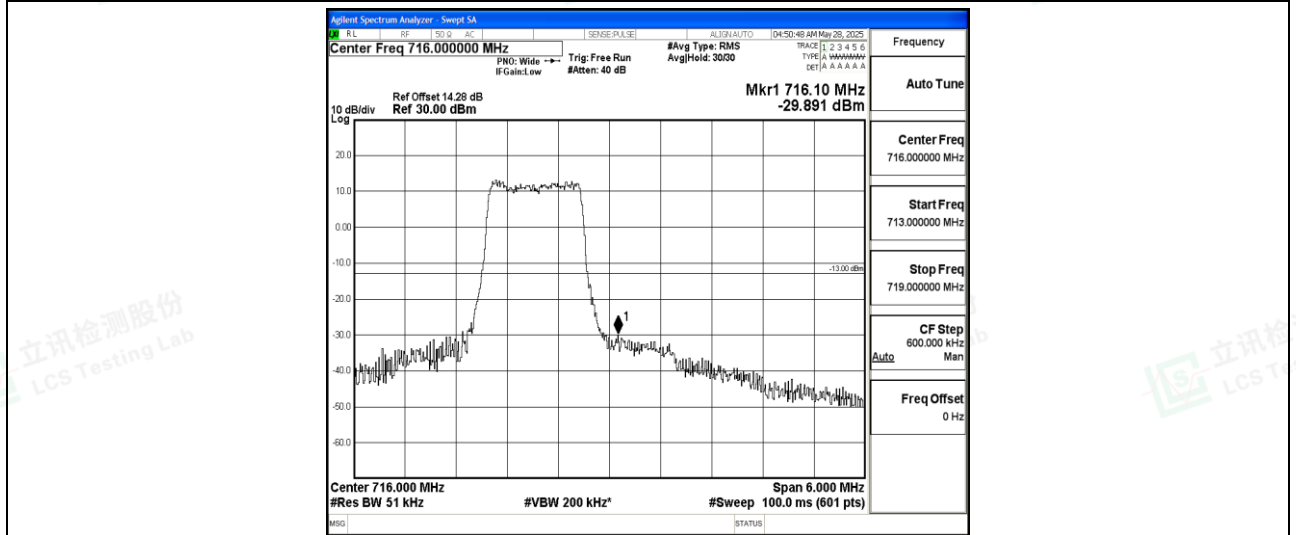
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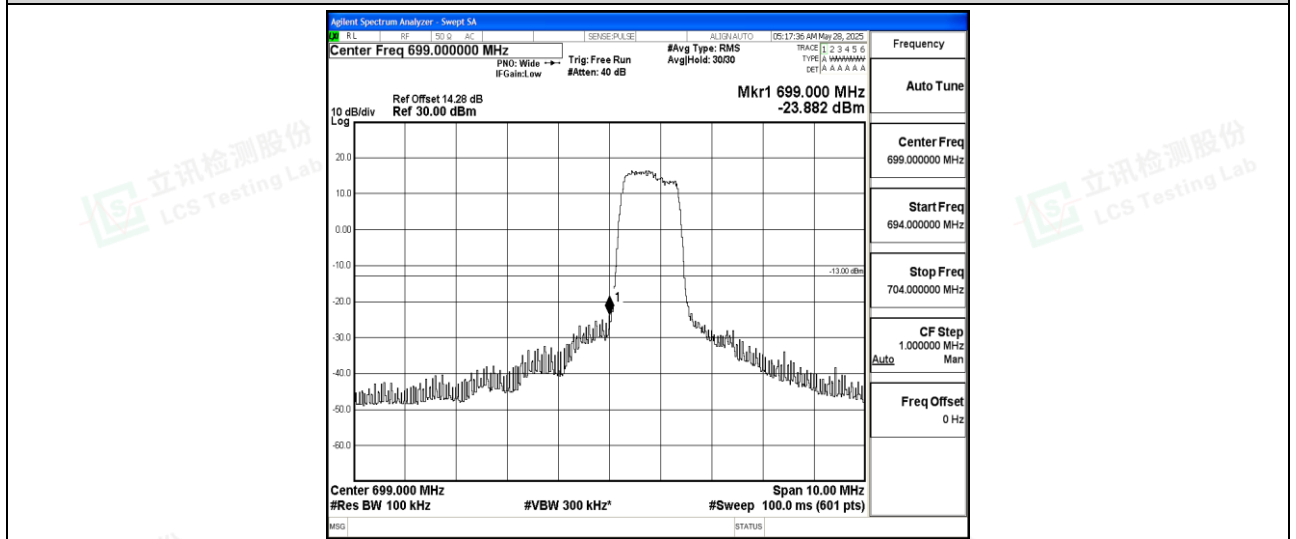
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Band12-3MHz-16QAM-23025-6-0-Low--30.68-PASS



Band12-3MHz-16QAM-23165-6-0-High--29.89-PASS



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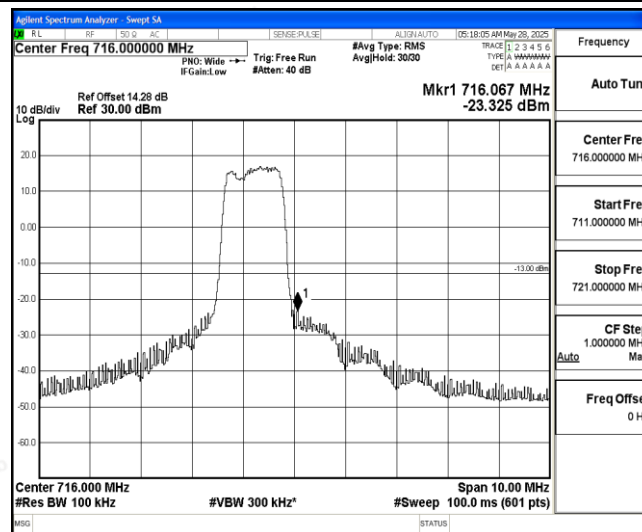
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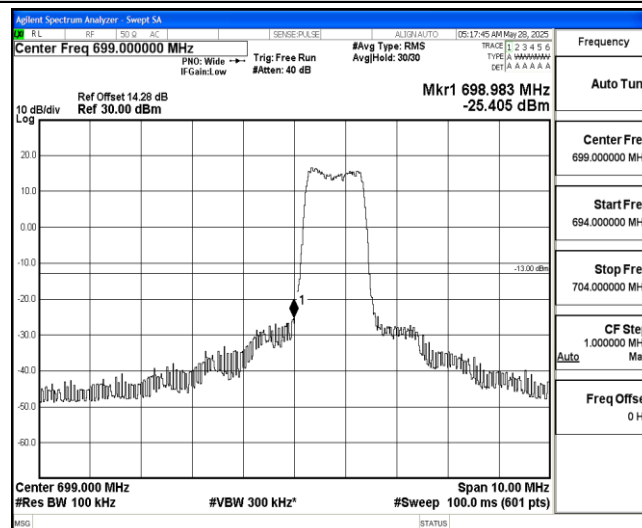
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Band12-5MHz-QPSK-23035-6-0-Low--23.88-PASS



Band12-5MHz-QPSK-23155-6-0-High--23.33-PASS



Band12-5MHz-16QAM-23035-6-0-Low--25.40-PASS

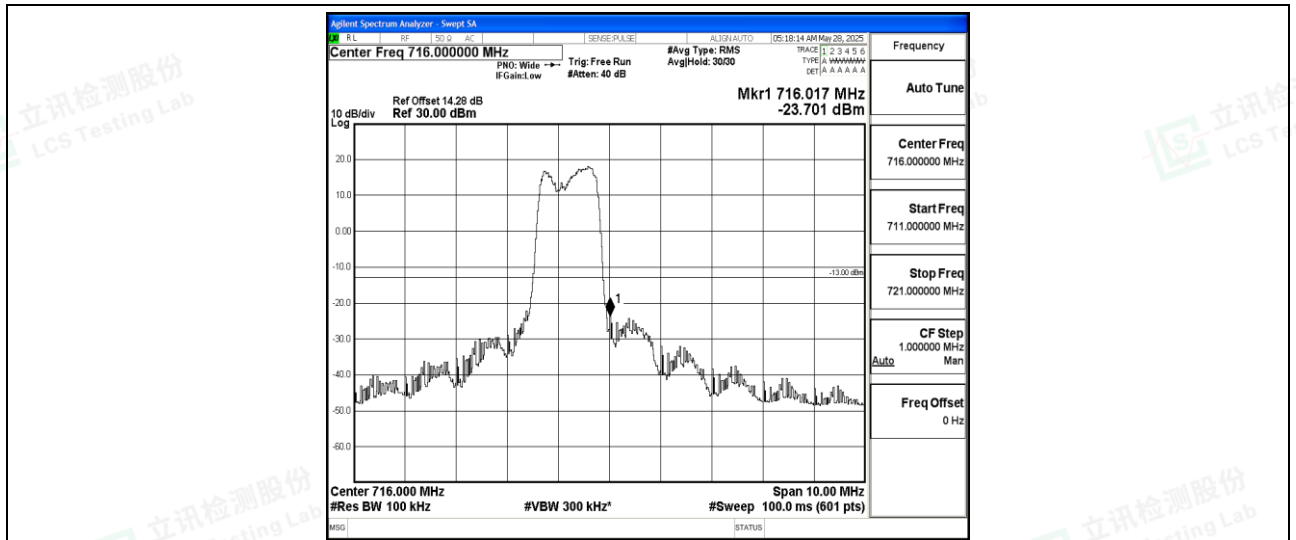


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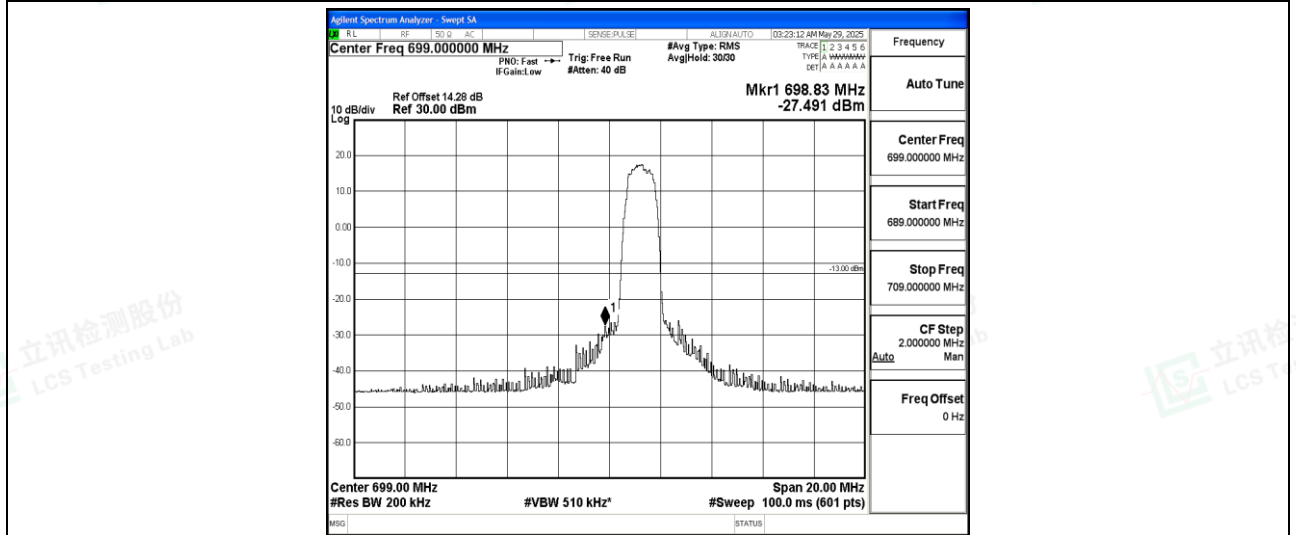
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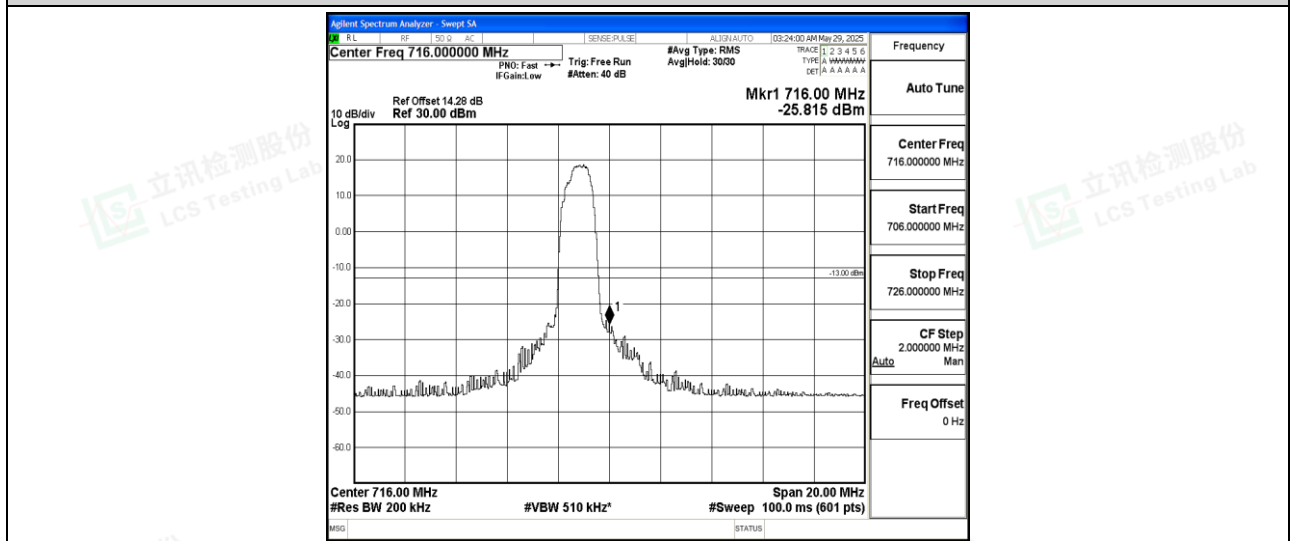
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Band12-5MHz-16QAM-23155-6-0-High--23.70-PASS



Band12-10MHz-QPSK-23060-6-0-Low--27.49-PASS



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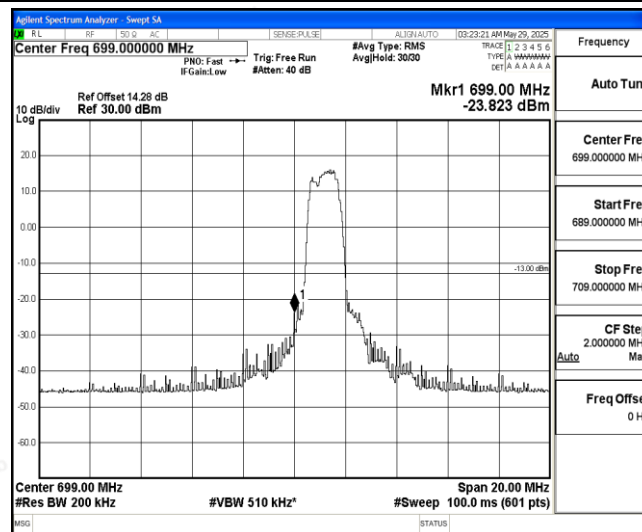
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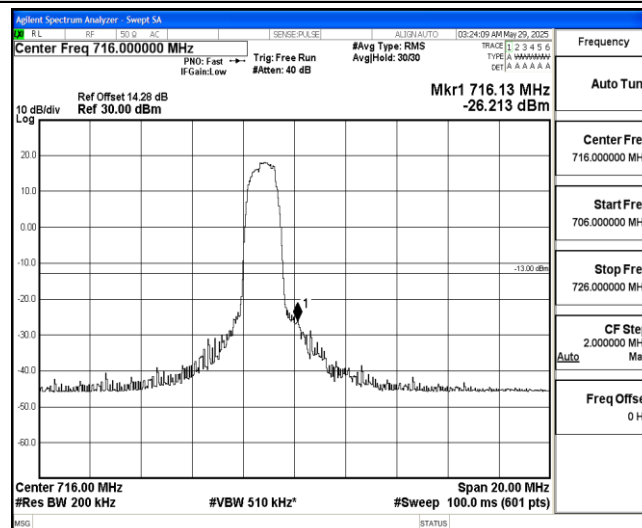
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Band12-10MHz-QPSK-23130-6-0-High--25.81-PASS



Band12-10MHz-16QAM-23060-6-0-Low--23.82-PASS



Band12-10MHz-16QAM-23130-6-0-High--26.21-PASS



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F.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	-30.09	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	1000	5000	-35.3	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	5000	12000	-51.93	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	12000	26500	-37.13	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	30	1000	-30.34	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	1000	5000	-34.93	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	5000	12000	-52.2	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	12000	26500	-36.98	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	30	1000	-29.86	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	1000	5000	-31.67	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	5000	12000	-52	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	12000	26500	-37.12	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	30	1000	-30.23	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	1000	5000	-34.83	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	5000	12000	-51.96	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	12000	26500	-37.09	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	30	1000	-30.04	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	1000	5000	-35.2	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	5000	12000	-52.07	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	12000	26500	-37.01	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	30	1000	-30.45	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	1000	5000	-32.52	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	5000	12000	-52.04	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	12000	26500	-36.96	PASS
Band12	3MHz	23025	QPSK	1	0	Low	30	1000	-30.39	PASS
Band12	3MHz	23025	QPSK	1	0	Low	1000	5000	-34.5	PASS
Band12	3MHz	23025	QPSK	1	0	Low	5000	12000	-51.87	PASS
Band12	3MHz	23025	QPSK	1	0	Low	12000	26500	-36.65	PASS
Band12	3MHz	23095	QPSK	1	0	Low	30	1000	-29.95	PASS
Band12	3MHz	23095	QPSK	1	0	Low	1000	5000	-35.28	PASS
Band12	3MHz	23095	QPSK	1	0	Low	5000	12000	-52.01	PASS
Band12	3MHz	23095	QPSK	1	0	Low	12000	26500	-36.95	PASS
Band12	3MHz	23165	QPSK	1	0	High	30	1000	-29.86	PASS
Band12	3MHz	23165	QPSK	1	0	High	1000	5000	-35.64	PASS



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Band12	3MHz	23165	QPSK	1	0	High	5000	12000	-52	PASS
Band12	3MHz	23165	QPSK	1	0	High	12000	26500	-37.07	PASS
Band12	3MHz	23025	16QAM	1	0	Low	30	1000	-29.64	PASS
Band12	3MHz	23025	16QAM	1	0	Low	1000	5000	-36	PASS
Band12	3MHz	23025	16QAM	1	0	Low	5000	12000	-51.97	PASS
Band12	3MHz	23025	16QAM	1	0	Low	12000	26500	-36.87	PASS
Band12	3MHz	23095	16QAM	1	0	Low	30	1000	-29.9	PASS
Band12	3MHz	23095	16QAM	1	0	Low	1000	5000	-35.77	PASS
Band12	3MHz	23095	16QAM	1	0	Low	5000	12000	-51.85	PASS
Band12	3MHz	23095	16QAM	1	0	Low	12000	26500	-37.08	PASS
Band12	3MHz	23165	16QAM	1	0	High	30	1000	-30.18	PASS
Band12	3MHz	23165	16QAM	1	0	High	1000	5000	-36.16	PASS
Band12	3MHz	23165	16QAM	1	0	High	5000	12000	-51.82	PASS
Band12	3MHz	23165	16QAM	1	0	High	12000	26500	-36.96	PASS
Band12	5MHz	23035	QPSK	1	0	Low	30	1000	-30.01	PASS
Band12	5MHz	23035	QPSK	1	0	Low	1000	5000	-35.17	PASS
Band12	5MHz	23035	QPSK	1	0	Low	5000	12000	-51.95	PASS
Band12	5MHz	23035	QPSK	1	0	Low	12000	26500	-36.8	PASS
Band12	5MHz	23095	QPSK	1	0	Low	30	1000	-25	PASS
Band12	5MHz	23095	QPSK	1	0	Low	1000	5000	-34.98	PASS
Band12	5MHz	23095	QPSK	1	0	Low	5000	12000	-51.89	PASS
Band12	5MHz	23095	QPSK	1	0	Low	12000	26500	-36.98	PASS
Band12	5MHz	23155	QPSK	1	0	High	30	1000	-30.56	PASS
Band12	5MHz	23155	QPSK	1	0	High	1000	5000	-36.08	PASS
Band12	5MHz	23155	QPSK	1	0	High	5000	12000	-52.09	PASS
Band12	5MHz	23155	QPSK	1	0	High	12000	26500	-37.01	PASS
Band12	5MHz	23035	16QAM	1	0	Low	30	1000	-29.57	PASS
Band12	5MHz	23035	16QAM	1	0	Low	1000	5000	-34.94	PASS
Band12	5MHz	23035	16QAM	1	0	Low	5000	12000	-51.93	PASS
Band12	5MHz	23035	16QAM	1	0	Low	12000	26500	-36.8	PASS
Band12	5MHz	23095	16QAM	1	0	Low	30	1000	-30.06	PASS
Band12	5MHz	23095	16QAM	1	0	Low	1000	5000	-35	PASS
Band12	5MHz	23095	16QAM	1	0	Low	5000	12000	-51.95	PASS
Band12	5MHz	23095	16QAM	1	0	Low	12000	26500	-36.88	PASS
Band12	5MHz	23155	16QAM	1	0	High	30	1000	-30.35	PASS
Band12	5MHz	23155	16QAM	1	0	High	1000	5000	-36.24	PASS
Band12	5MHz	23155	16QAM	1	0	High	5000	12000	-51.92	PASS
Band12	5MHz	23155	16QAM	1	0	High	12000	26500	-37.16	PASS
Band12	10MHz	23060	QPSK	1	0	Low	30	1000	-30.24	PASS
Band12	10MHz	23060	QPSK	1	0	Low	1000	5000	-33.81	PASS



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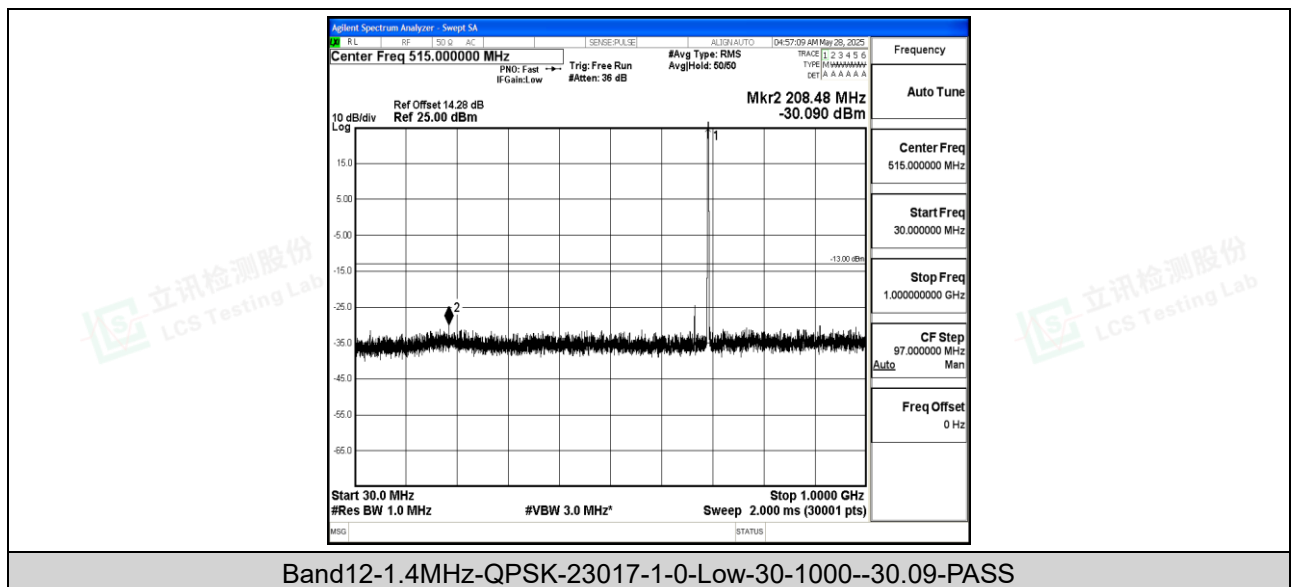
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Band12	10MHz	23060	QPSK	1	0	Low	5000	12000	-52.07	PASS
Band12	10MHz	23060	QPSK	1	0	Low	12000	26500	-36.92	PASS
Band12	10MHz	23095	QPSK	1	0	Low	30	1000	-30.57	PASS
Band12	10MHz	23095	QPSK	1	0	Low	1000	5000	-34.03	PASS
Band12	10MHz	23095	QPSK	1	0	Low	5000	12000	-51.99	PASS
Band12	10MHz	23095	QPSK	1	0	Low	12000	26500	-37.06	PASS
Band12	10MHz	23130	QPSK	1	0	High	30	1000	-30.52	PASS
Band12	10MHz	23130	QPSK	1	0	High	1000	5000	-31.25	PASS
Band12	10MHz	23130	QPSK	1	0	High	5000	12000	-51.94	PASS
Band12	10MHz	23130	QPSK	1	0	High	12000	26500	-36.88	PASS
Band12	10MHz	23060	16QAM	1	0	Low	30	1000	-29.69	PASS
Band12	10MHz	23060	16QAM	1	0	Low	1000	5000	-35	PASS
Band12	10MHz	23060	16QAM	1	0	Low	5000	12000	-52.12	PASS
Band12	10MHz	23060	16QAM	1	0	Low	12000	26500	-37.08	PASS
Band12	10MHz	23095	16QAM	1	0	Low	30	1000	-30.22	PASS
Band12	10MHz	23095	16QAM	1	0	Low	1000	5000	-34	PASS
Band12	10MHz	23095	16QAM	1	0	Low	5000	12000	-52.01	PASS
Band12	10MHz	23095	16QAM	1	0	Low	12000	26500	-36.76	PASS
Band12	10MHz	23130	16QAM	1	0	High	30	1000	-29.8	PASS
Band12	10MHz	23130	16QAM	1	0	High	1000	5000	-31.73	PASS
Band12	10MHz	23130	16QAM	1	0	High	5000	12000	-51.63	PASS
Band12	10MHz	23130	16QAM	1	0	High	12000	26500	-37.16	PASS

Test Graphs

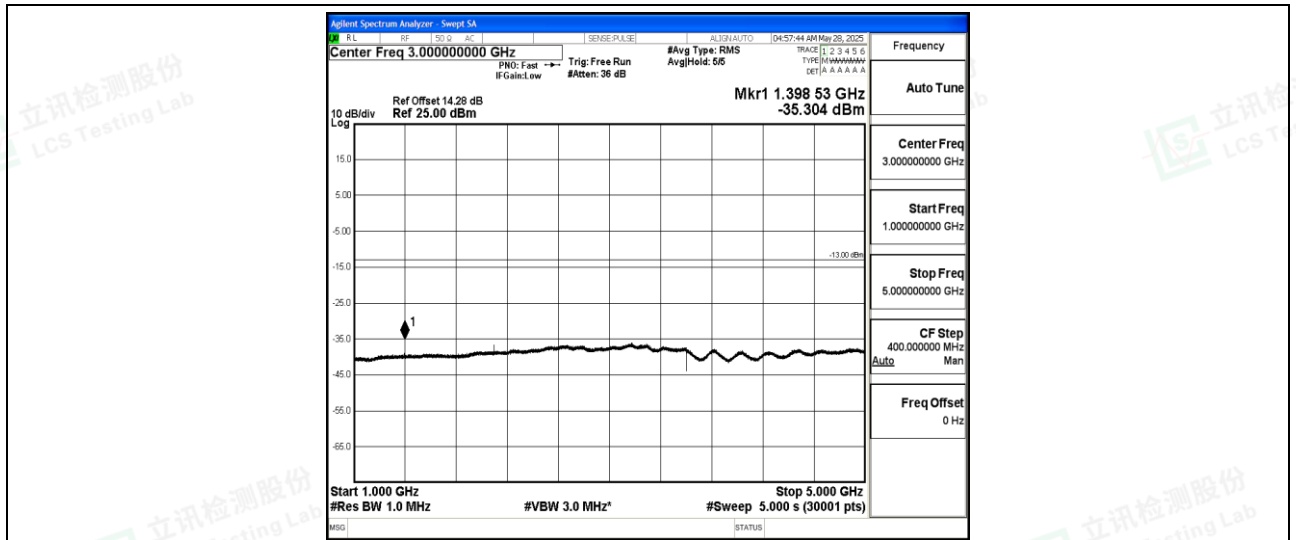


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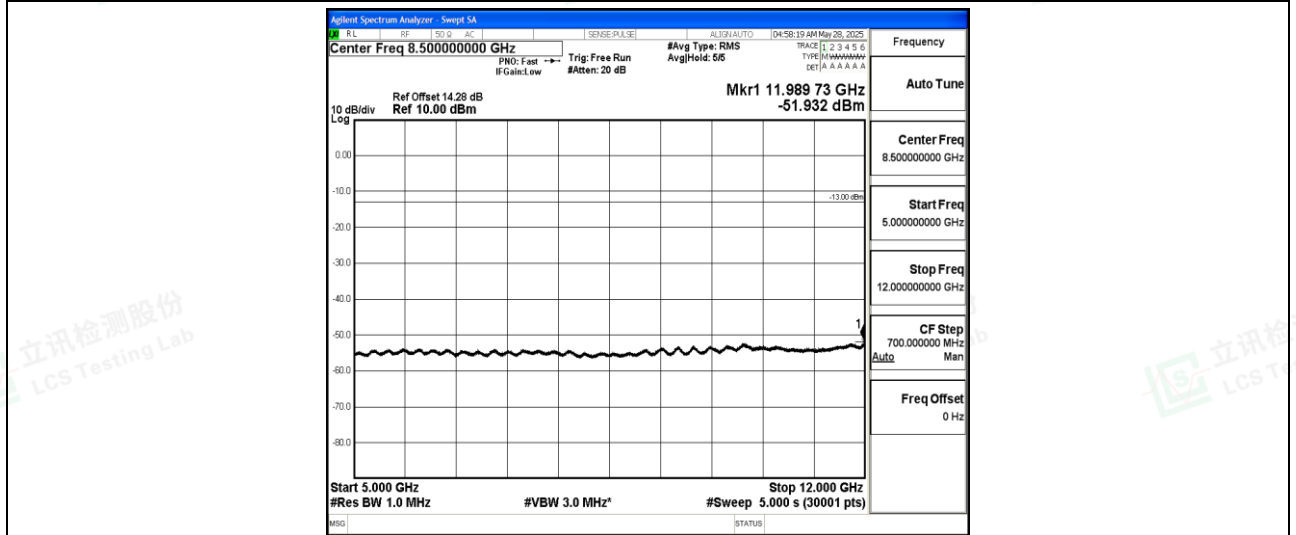
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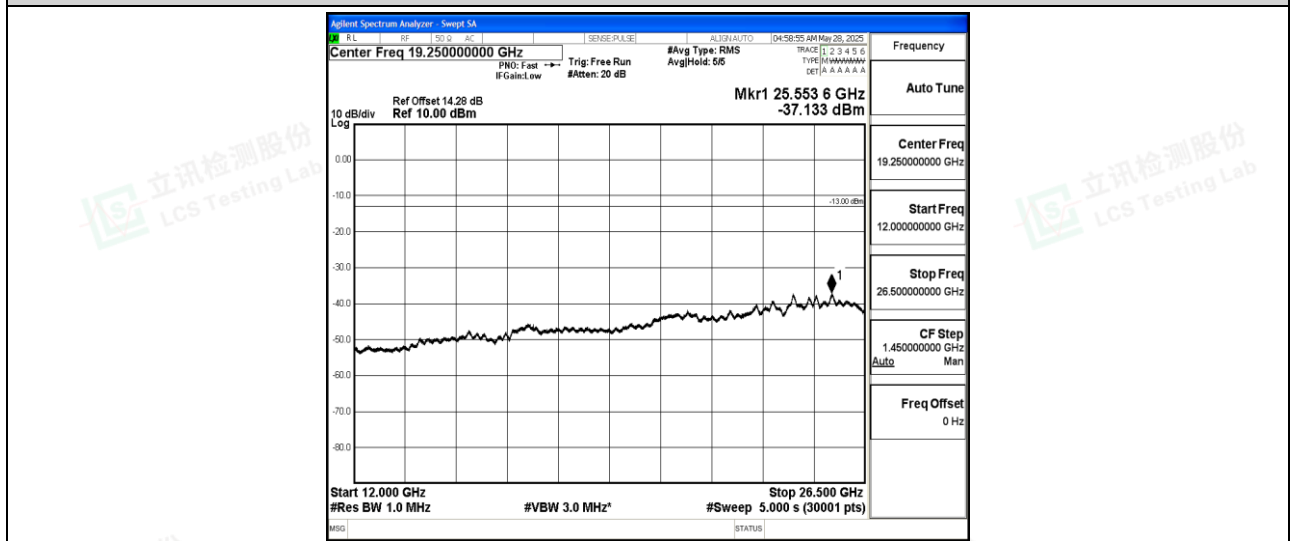
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Band12-1.4MHz-QPSK-23017-1-0-Low-1000-5000--35.3-PASS



Band12-1.4MHz-QPSK-23017-1-0-Low-5000-12000--51.93-PASS



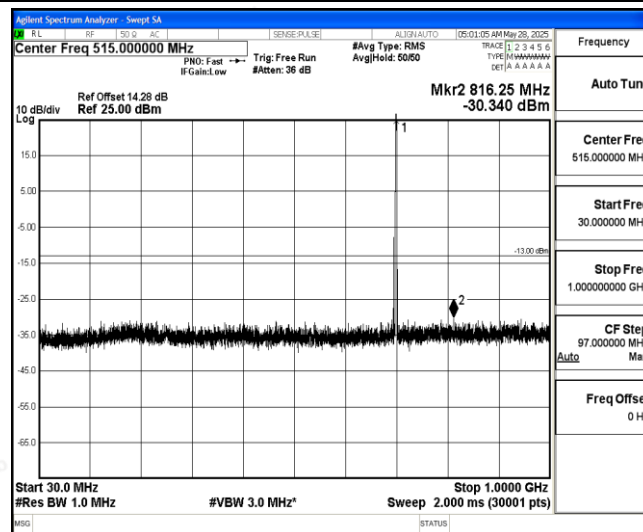
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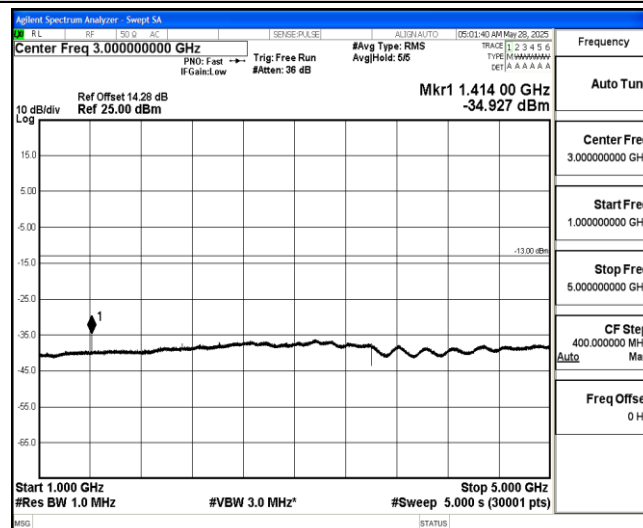
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Band12-1.4MHz-QPSK-23017-1-0-Low-12000-26500--37.13-PASS



Band12-1.4MHz-QPSK-23095-1-0-Low-30-1000--30.34-PASS



Band12-1.4MHz-QPSK-23095-1-0-Low-1000-5000--34.93-PASS

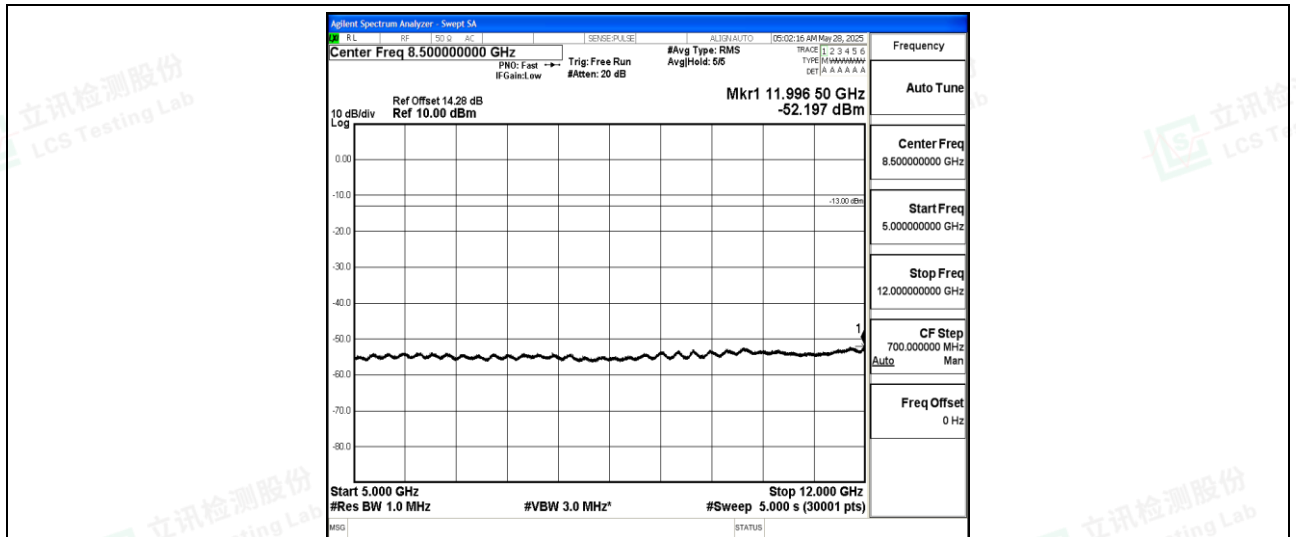


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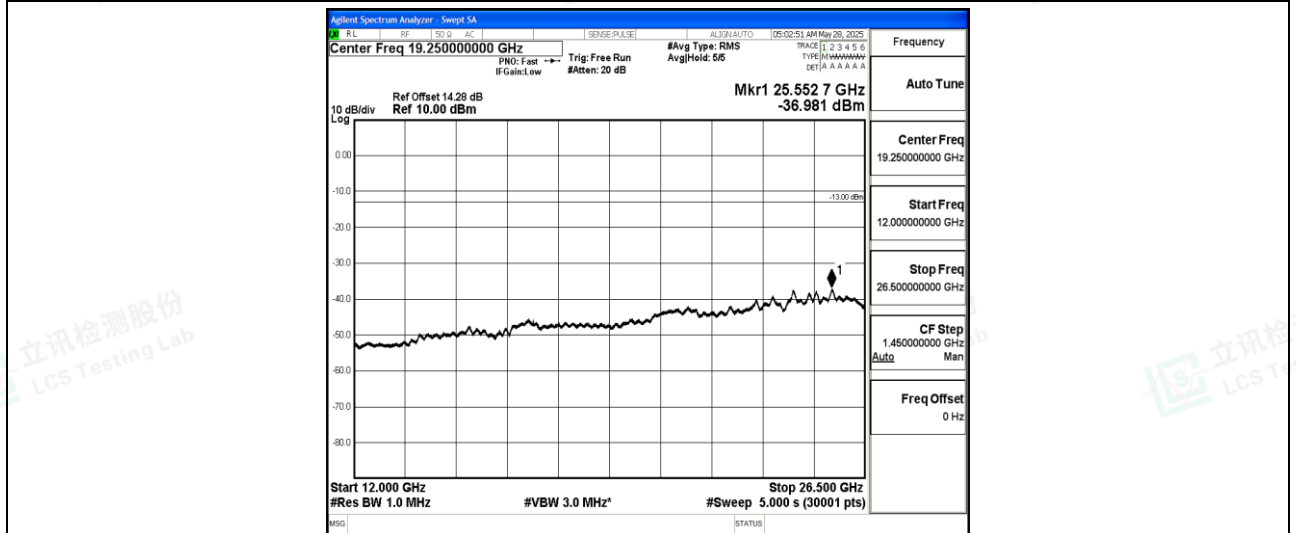
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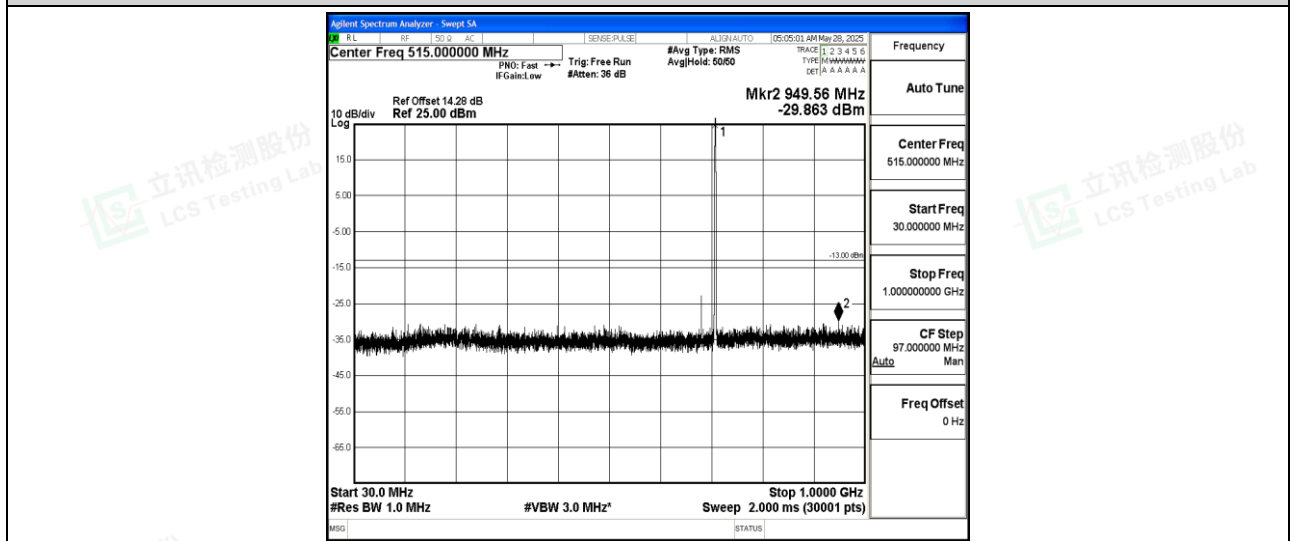
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Band12-1.4MHz-QPSK-23095-1-0-Low-5000-12000--52.2-PASS



Band12-1.4MHz-QPSK-23095-1-0-Low-12000-26500--36.98-PASS



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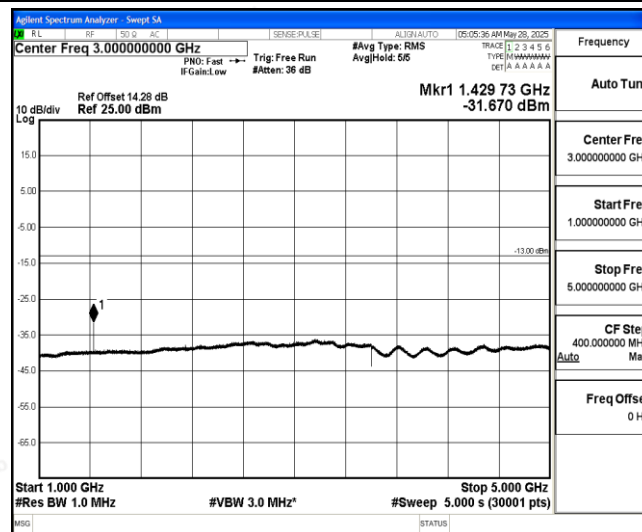
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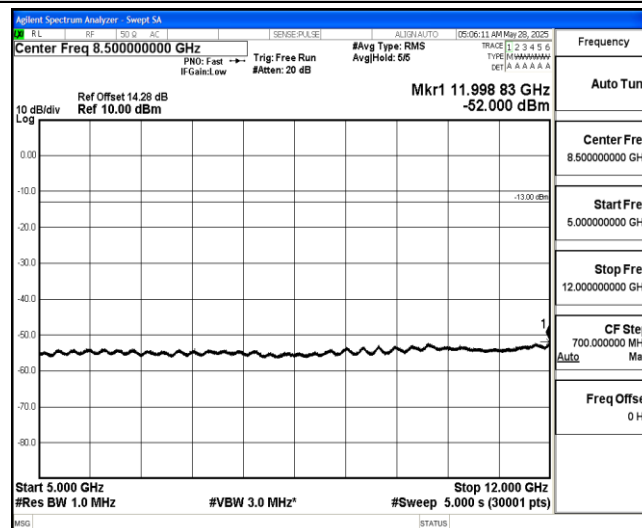
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Band12-1.4MHz-QPSK-23173-1-0-High-30-1000--29.86-PASS



Band12-1.4MHz-QPSK-23173-1-0-High-1000-5000--31.67-PASS



Band12-1.4MHz-QPSK-23173-1-0-High-5000-12000--52-PASS

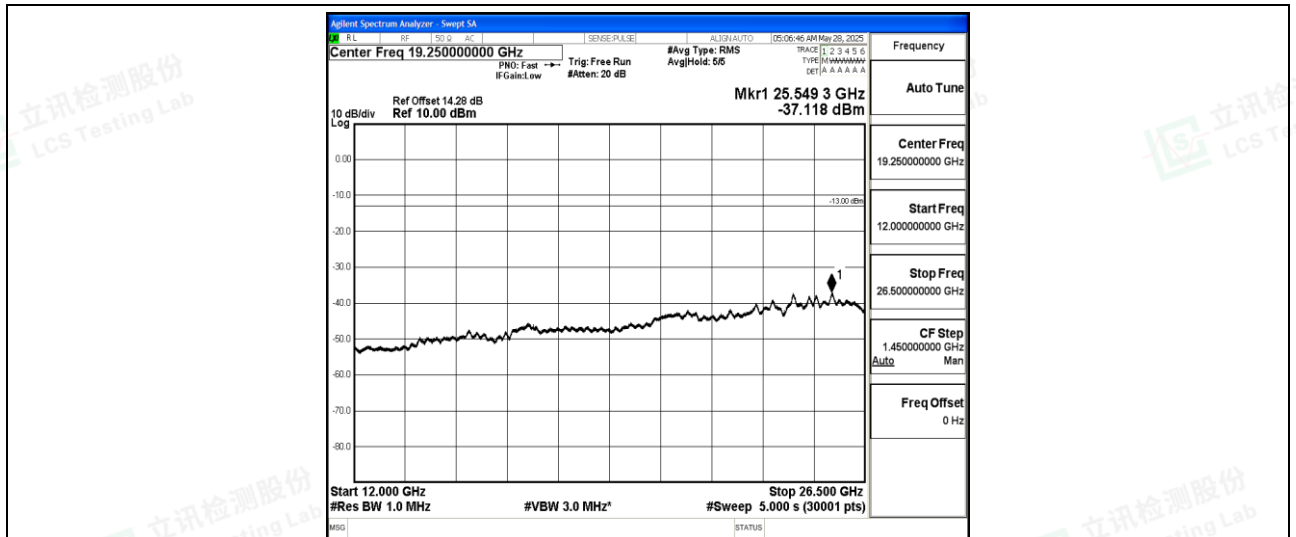


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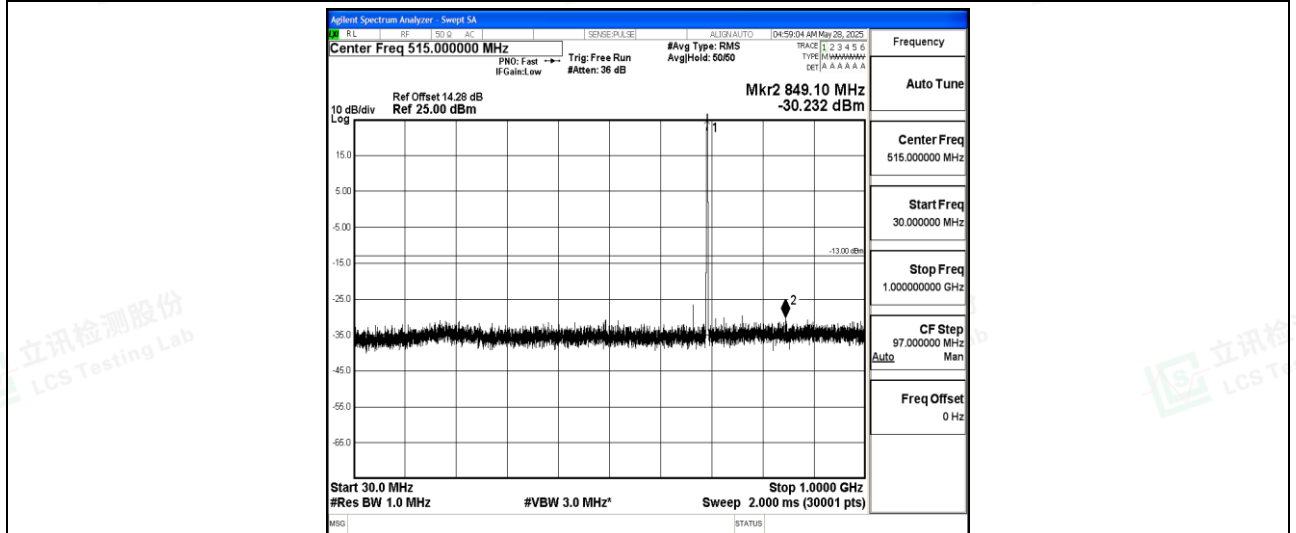
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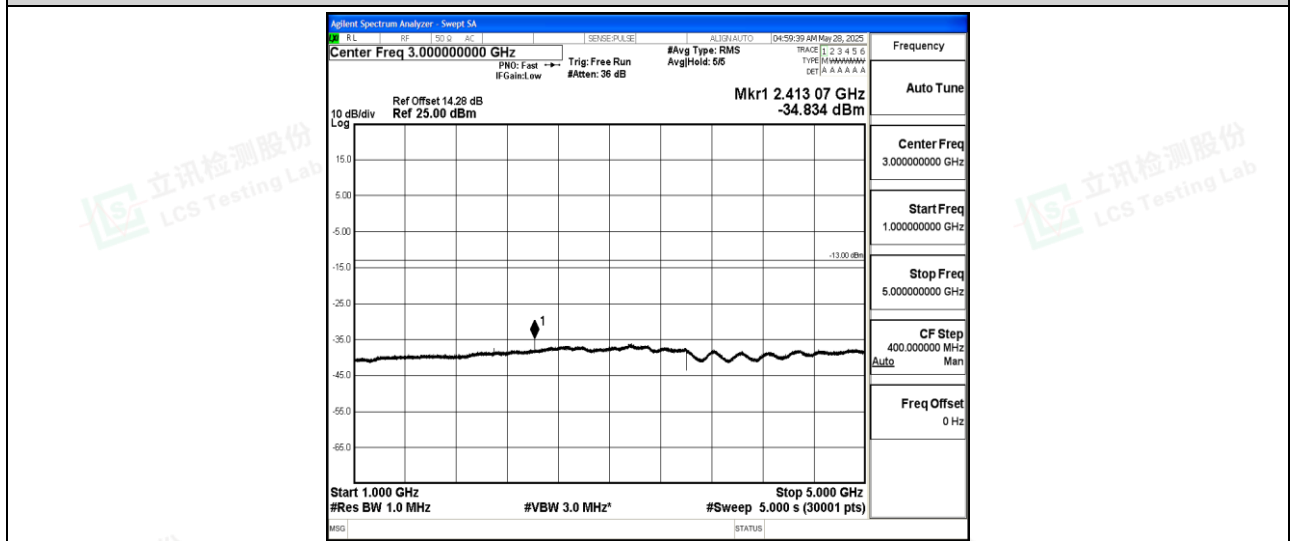
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Band12-1.4MHz-QPSK-23173-1-0-High-12000-26500--37.12-PASS



Band12-1.4MHz-16QAM-23017-1-0-Low-30-1000--30.23-PASS



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