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Appendix B.12

LTE Band 71



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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

11/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.11	16.36	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.28	16.53	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.90	16.15	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.09	15.34	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.86	16.11	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.14	16.39	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.89	16.14	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.98	15.23	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.08	16.33	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.27	16.52	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.99	16.24	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.23	15.48	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.26	15.51	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.58	15.83	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.22	15.47	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.10	14.35	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.01	15.26	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.29	15.54	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.25	15.50	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.01	14.26	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.44	15.69	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.60	15.85	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.28	15.53	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.22	14.47	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.25	14.50	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.41	14.66	34.77	PASS



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
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Band71	5MHz	64QAM	133147	1RB#24	21.13	14.38	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	20.15	13.40	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.04	14.29	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.28	14.53	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.04	14.29	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.05	13.30	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.28	14.53	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.50	14.75	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.18	14.43	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.23	13.48	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.15	16.40	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.20	16.45	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.92	16.17	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.08	15.33	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.91	16.16	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.14	16.39	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.98	16.23	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.08	15.33	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.11	16.36	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.31	16.56	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.08	16.33	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.32	15.57	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.47	15.72	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.46	15.71	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.17	15.42	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.09	14.34	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.15	15.40	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.30	15.55	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.25	15.50	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.10	14.35	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.34	15.59	34.77	PASS



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

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Band71	10MHz	16QAM	133422	1RB#24	22.65	15.90	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.29	15.54	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.29	14.54	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.32	14.57	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.33	14.58	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.10	14.35	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.14	13.39	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.05	14.30	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.24	14.49	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.19	14.44	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.16	13.41	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.32	14.57	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.50	14.75	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.22	14.47	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.29	13.54	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.04	16.29	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.00	16.25	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.80	16.05	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.01	15.26	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.83	16.08	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.00	16.25	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.91	16.16	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.98	15.23	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.85	16.10	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.16	16.41	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.95	16.20	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.16	15.41	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.23	15.48	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.35	15.60	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.07	15.32	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.02	14.27	34.77	PASS



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Band71	15MHz	16QAM	133297	1RB#0	22.10	15.35	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.27	15.52	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.20	15.45	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.97	14.22	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.22	15.47	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.40	15.65	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.23	15.48	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.15	14.40	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.22	14.47	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.13	14.38	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.00	14.25	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.07	13.32	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.05	14.30	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.19	14.44	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.18	14.43	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.04	13.29	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.03	14.28	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.43	14.68	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.10	14.35	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.13	13.38	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.94	16.19	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.08	16.33	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.67	15.92	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.97	15.22	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.72	15.97	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.11	16.36	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.81	16.06	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.14	15.39	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.75	16.00	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.21	16.46	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.78	16.03	34.77	PASS



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Band71	20MHz	16QAM	133222	1RB#0	22.24	15.49	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.31	15.56	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.96	15.21	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.96	14.21	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.92	15.17	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.36	15.61	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.18	15.43	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.12	14.37	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.08	15.33	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.40	15.65	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.11	15.36	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.16	14.41	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.10	14.35	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.21	14.46	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	20.82	14.07	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.06	13.31	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	20.87	14.12	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.30	14.55	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.01	14.26	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.14	13.39	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	20.87	14.12	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.41	14.66	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	20.94	14.19	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.19	13.44	34.77	PASS



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Peak-to-Average Ratio(CCDF)**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.76	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.76	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.76	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.48	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.44	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.48	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.62	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.54	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.56	13	PASS



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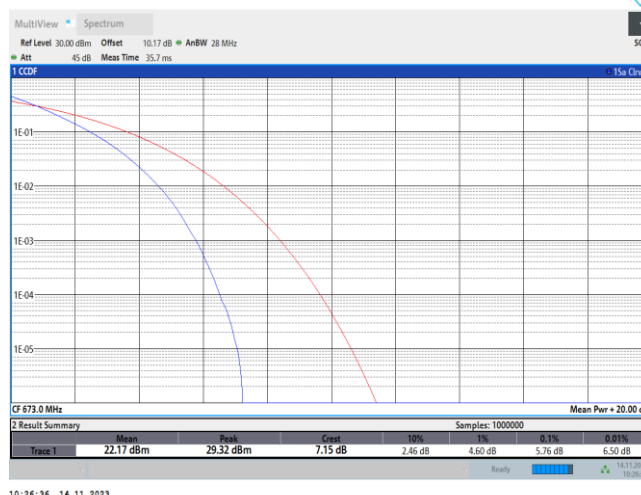
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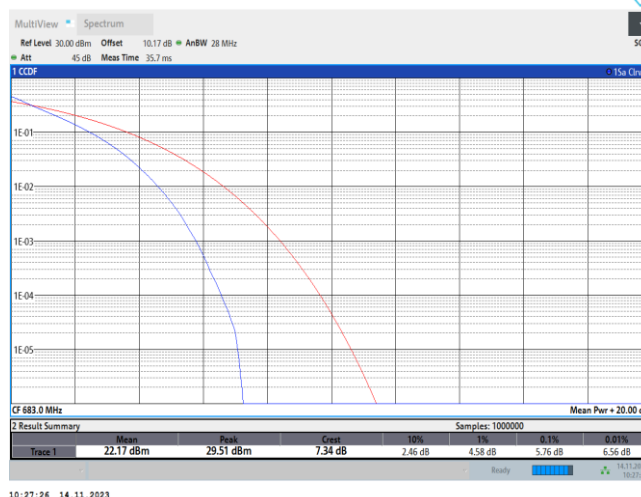
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Test Graphs

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



Band71-20MHz-QPSK-133322-100RB#0



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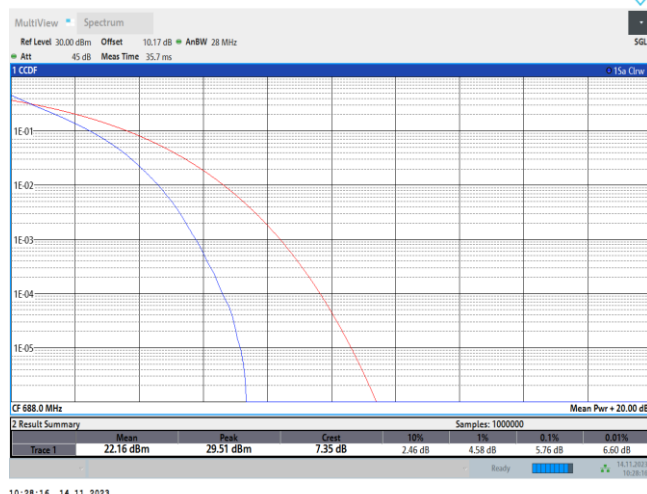
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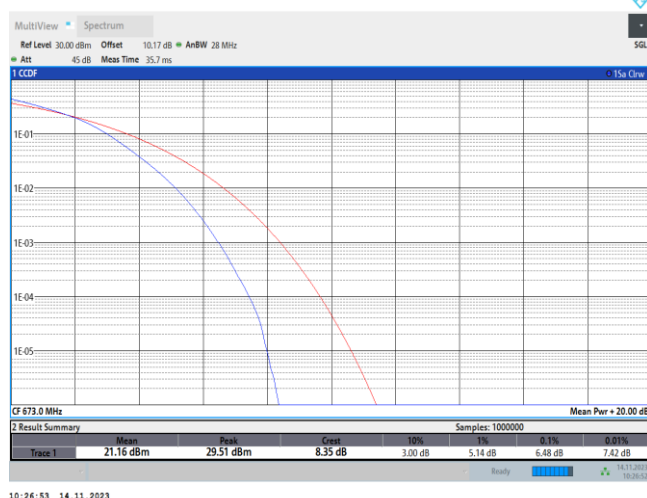
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Band71-20MHz-QPSK-133372-100RB#0



Band71-20MHz-16QAM-133222-100RB#0



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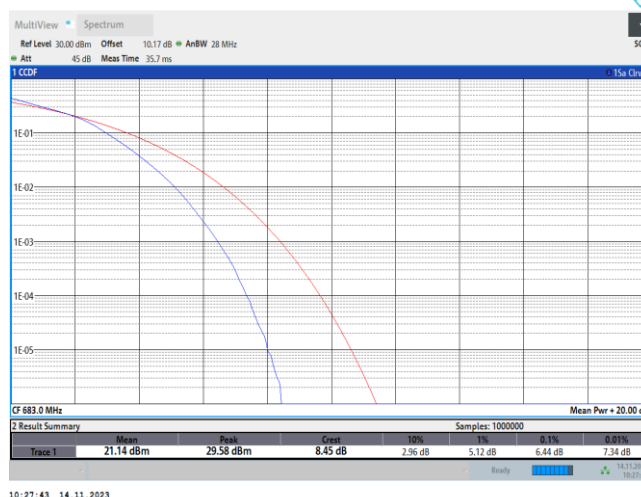
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Band71-20MHz-16QAM-133322-100RB#0



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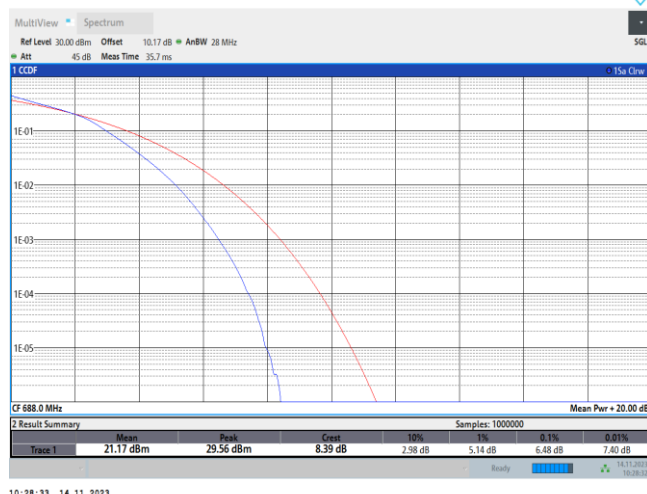
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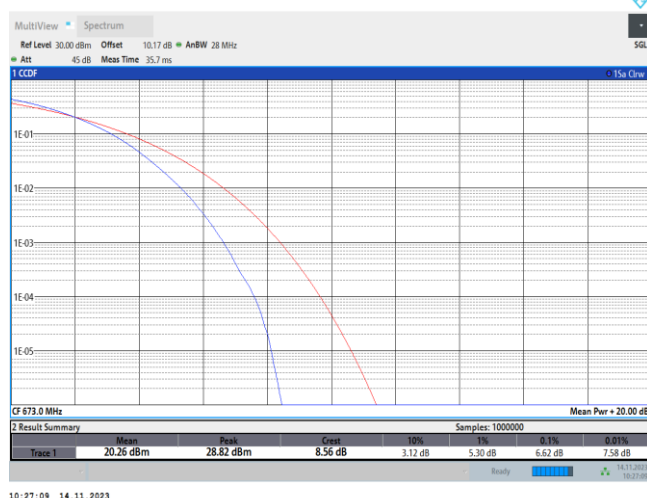
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Band71-20MHz-16QAM-133372-100RB#0



Band71-20MHz-64QAM-133222-100RB#0



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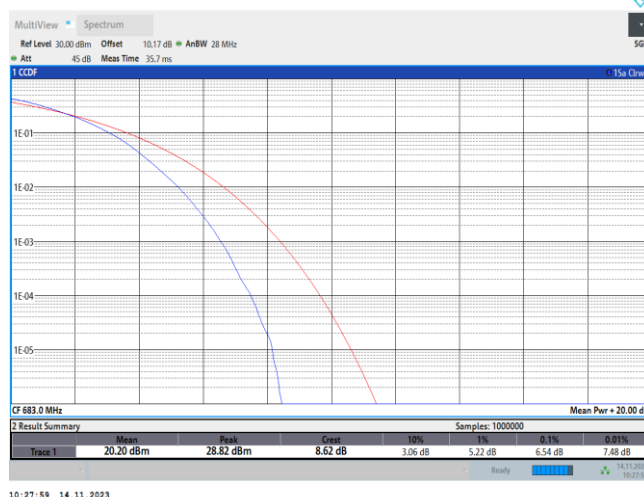
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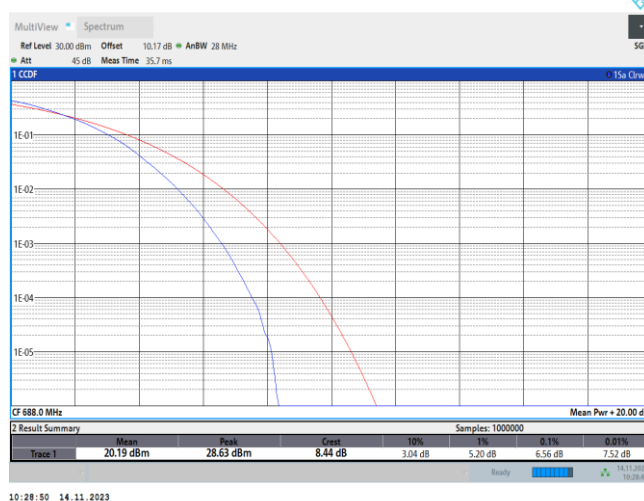
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Band71-20MHz-64QAM-133322-100RB#0



Band71-20MHz-64QAM-133372-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.487	5.07	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.496	5.10	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.489	5.10	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.482	5.07	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.495	5.10	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.493	5.10	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.499	5.10	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.504	5.13	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.502	5.10	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.944	9.80	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.962	10.00	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.954	9.93	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.969	9.87	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.954	9.93	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.95	9.80	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.965	9.93	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.976	9.93	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.98	10.00	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.519	15.20	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.546	15.20	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.566	15.20	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.547	15.40	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.525	15.30	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.551	15.30	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.521	15.30	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.542	15.40	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.538	15.40	PASS



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Band71	20MHz	QPSK	133222	100RB#0	17.987	20.00	PASS
Band71	20MHz	QPSK	133322	100RB#0	18.035	20.00	PASS
Band71	20MHz	QPSK	133372	100RB#0	18.035	19.87	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.991	20.00	PASS
Band71	20MHz	16QAM	133322	100RB#0	18.013	19.73	PASS
Band71	20MHz	16QAM	133372	100RB#0	18.052	20.00	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.997	20.00	PASS
Band71	20MHz	64QAM	133322	100RB#0	18.095	20.00	PASS
Band71	20MHz	64QAM	133372	100RB#0	18.048	20.00	PASS



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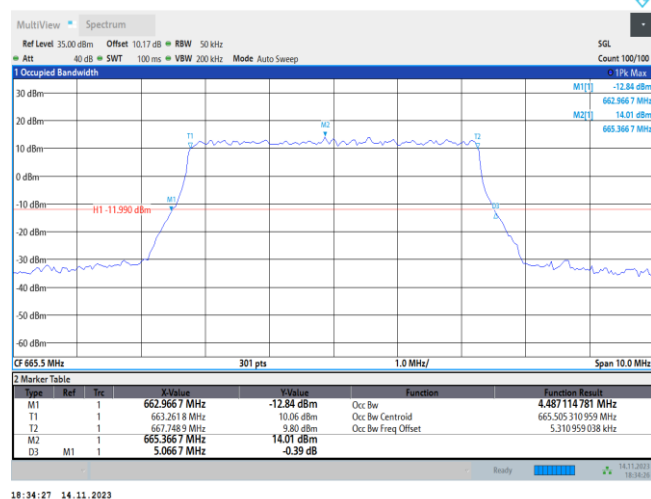
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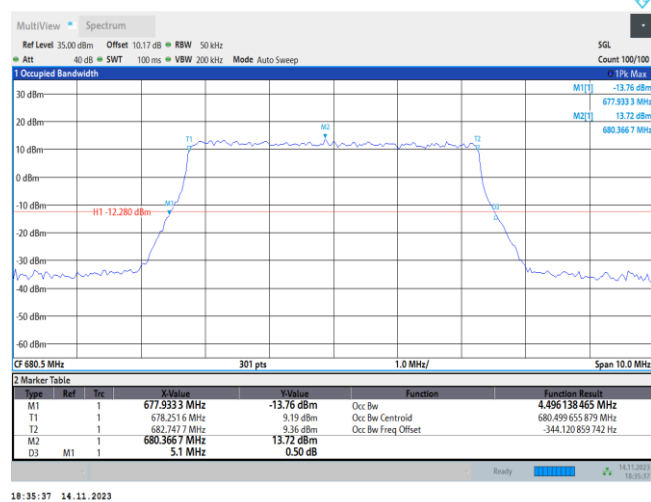
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Test Graphs

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



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



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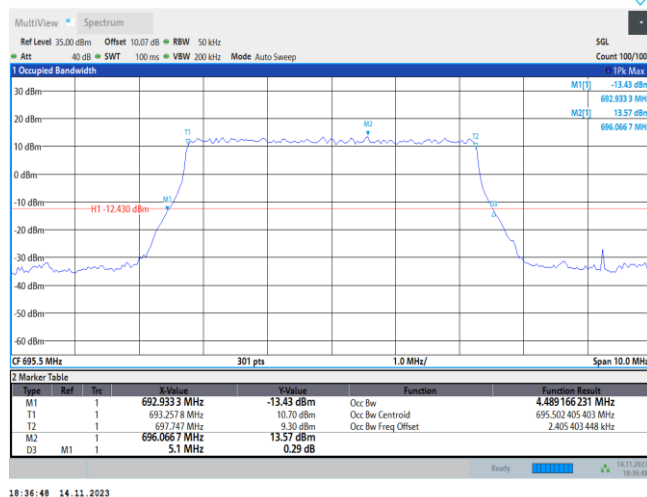
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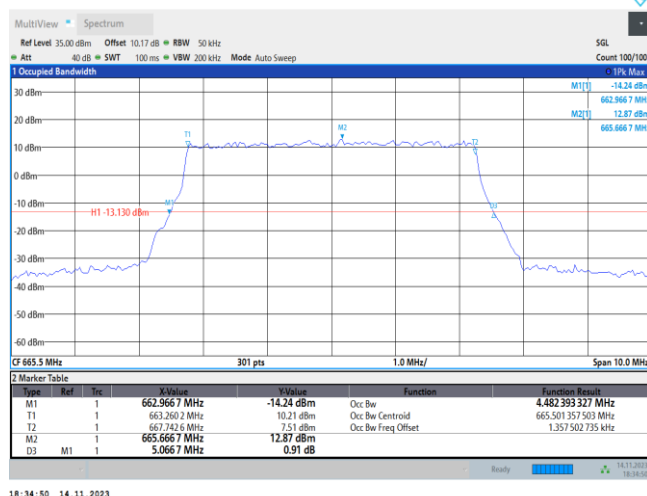
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Band71-5MHz-QPSK-133447-25RB#0



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



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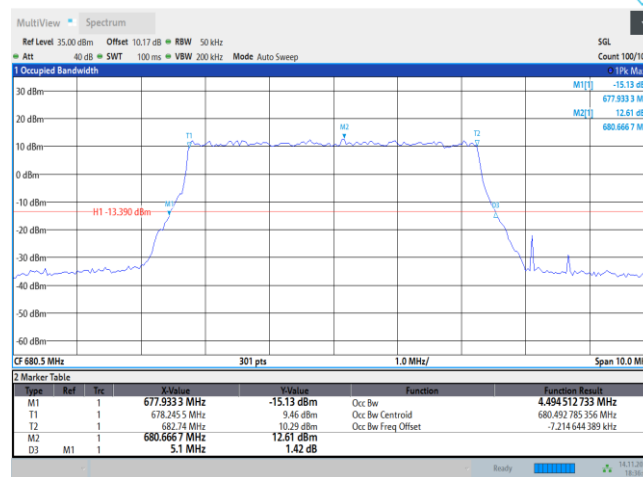
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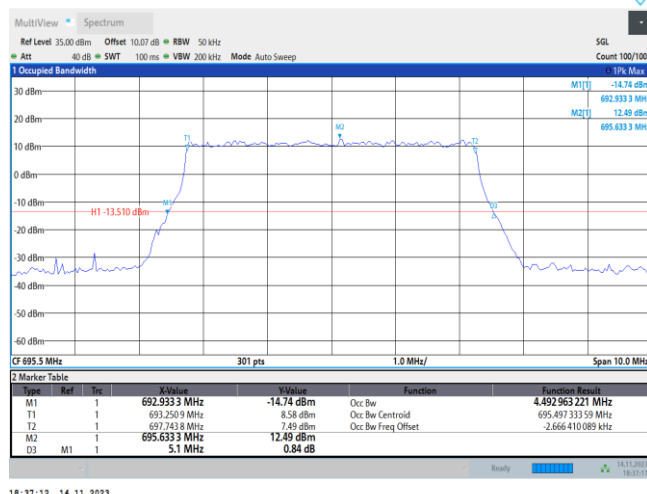
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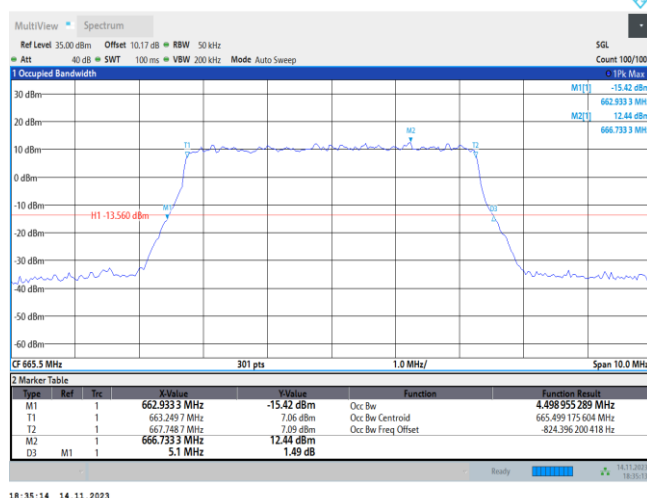
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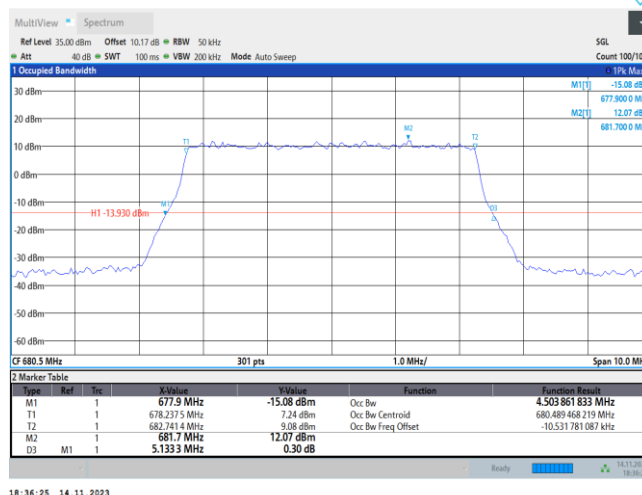
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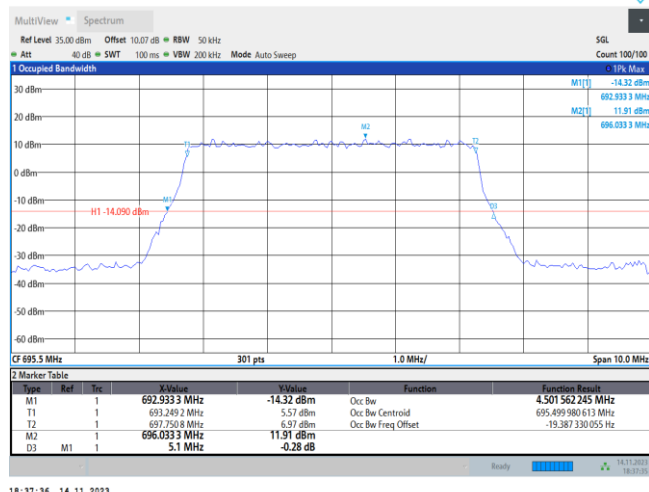
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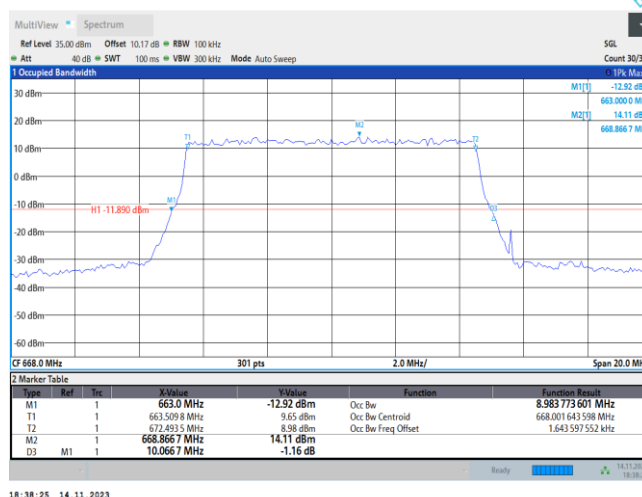
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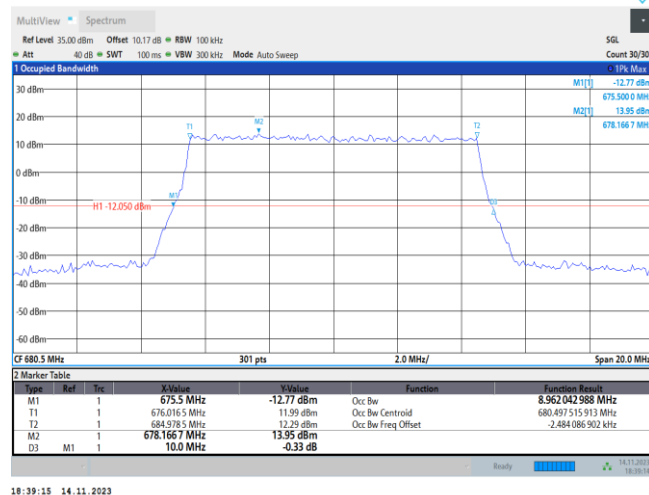
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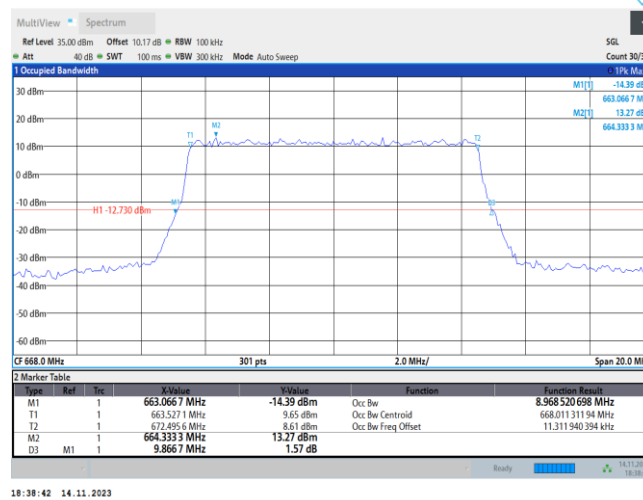
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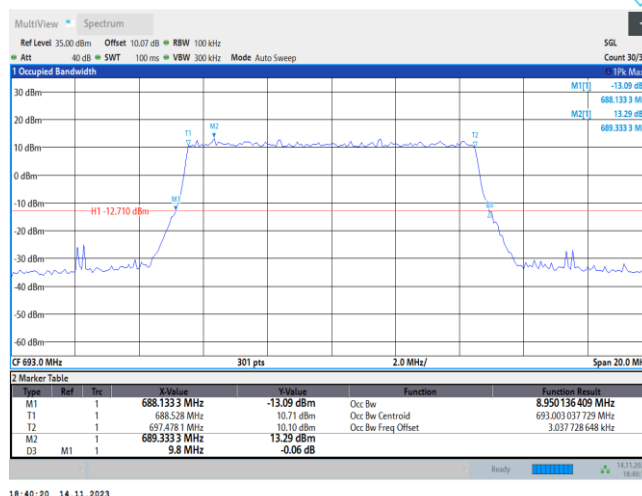
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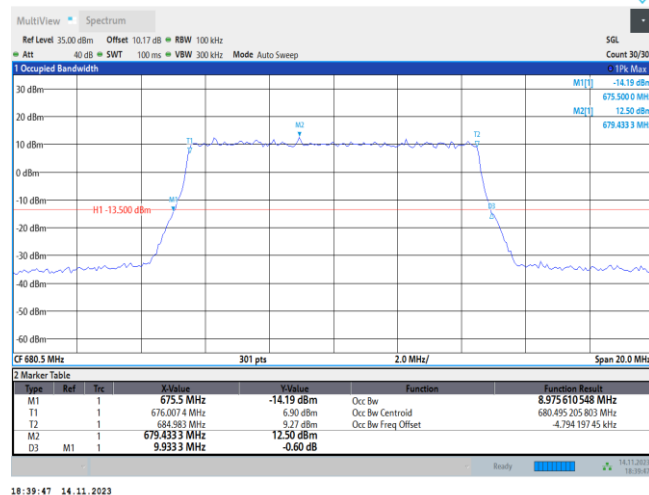
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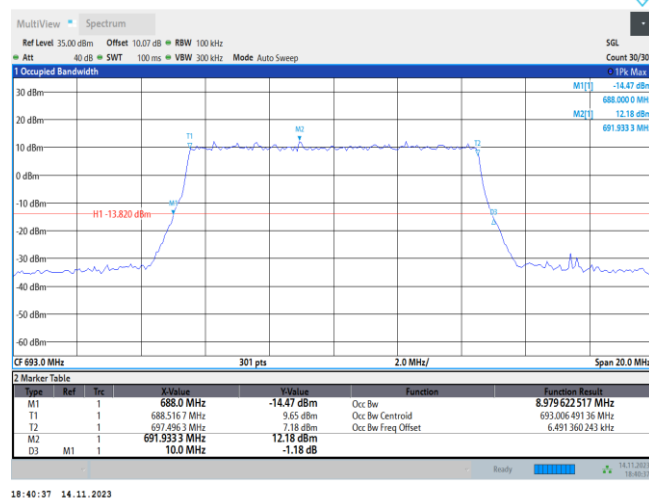
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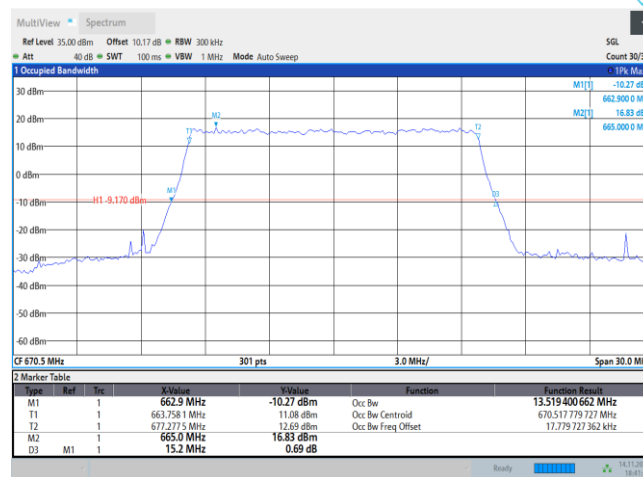
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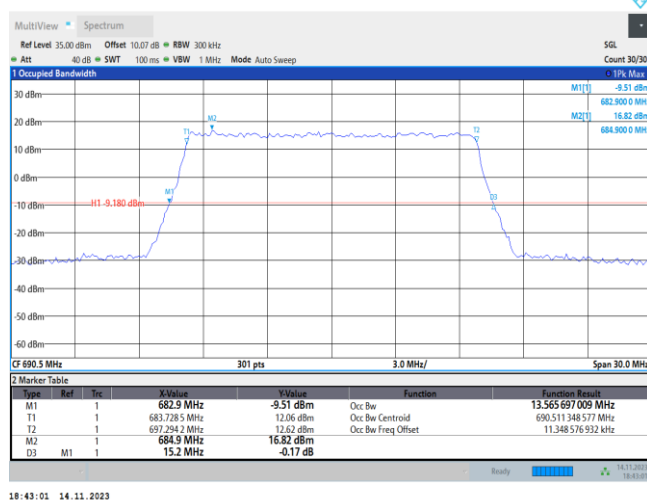
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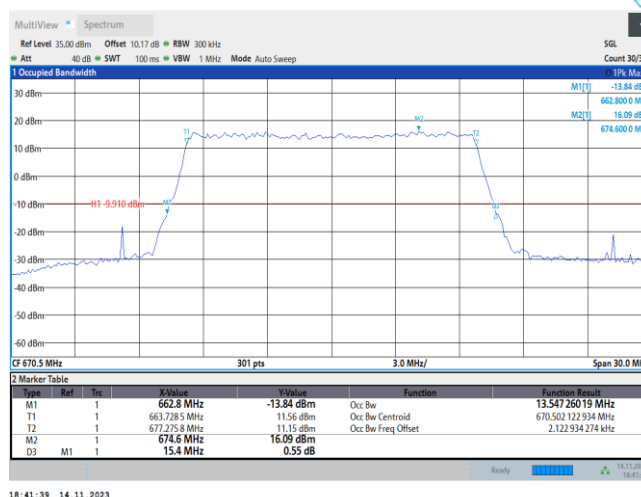
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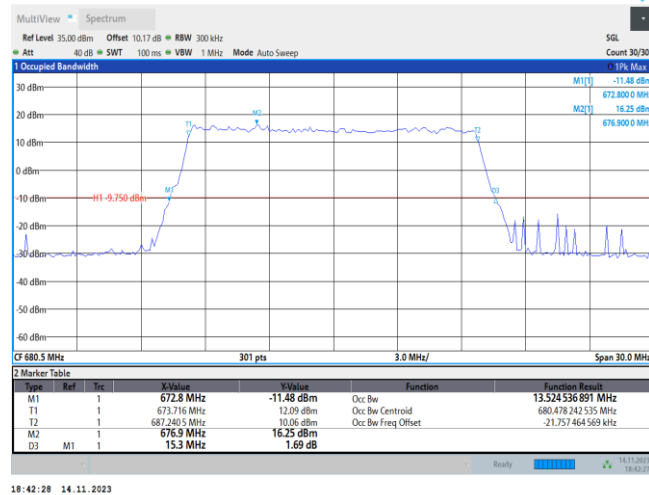
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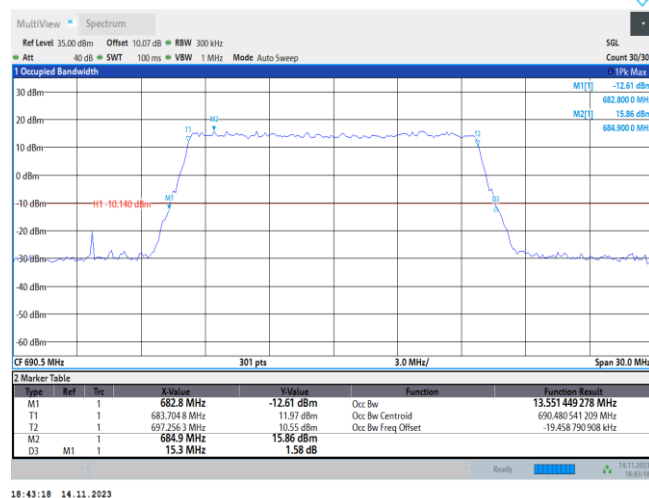
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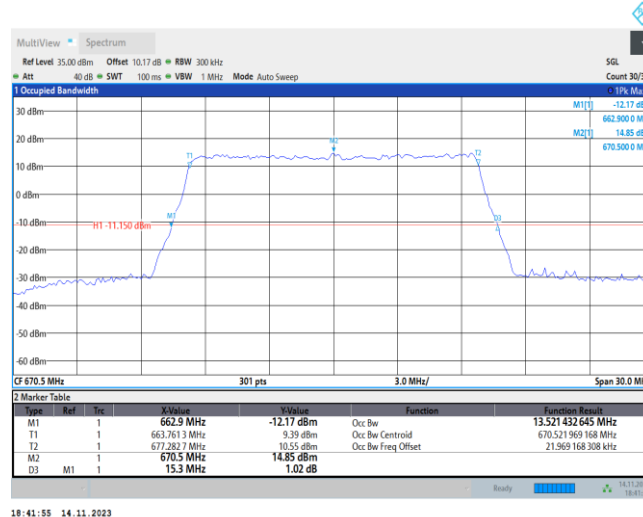
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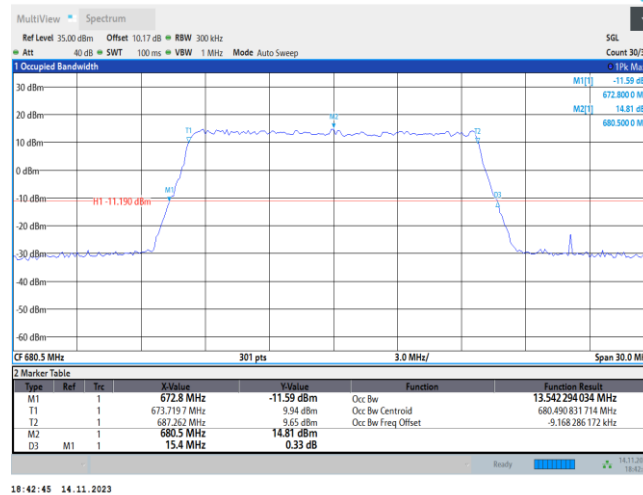
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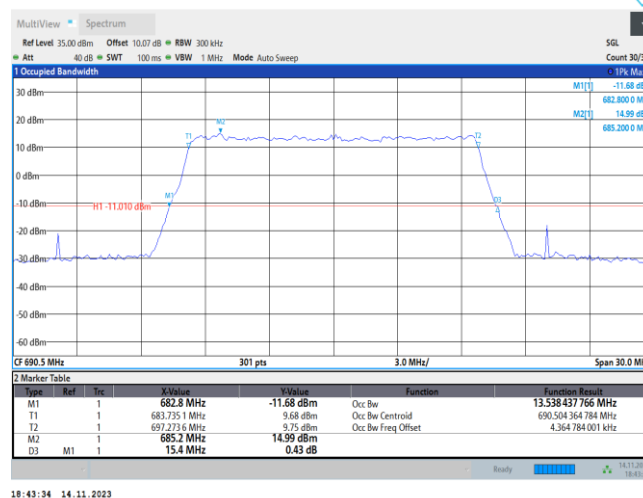
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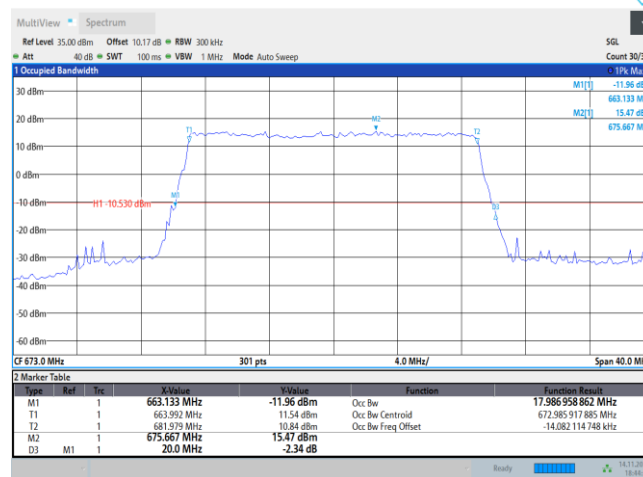
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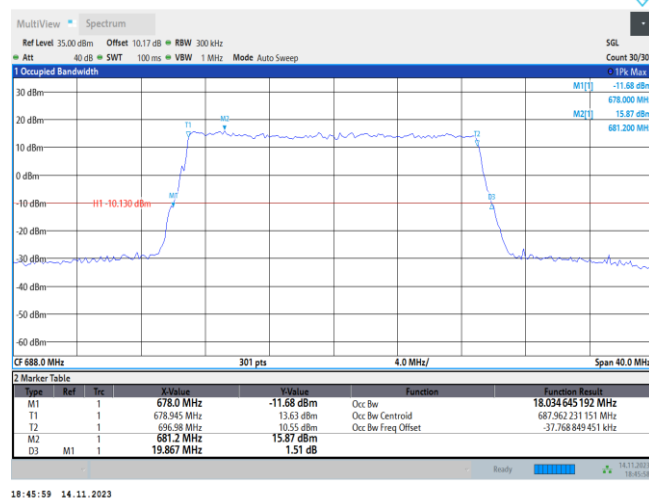
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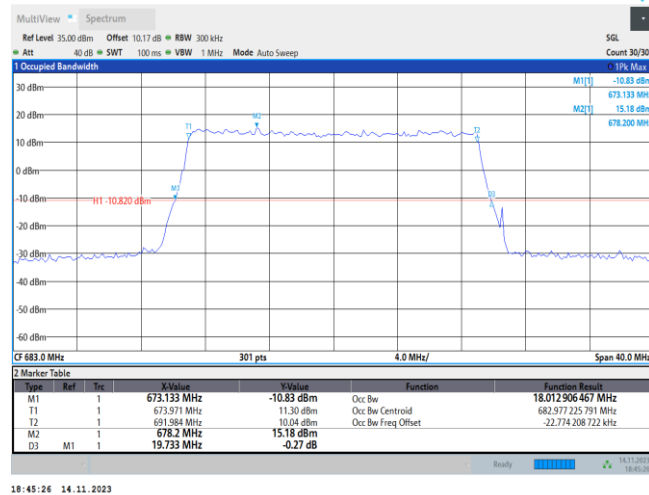
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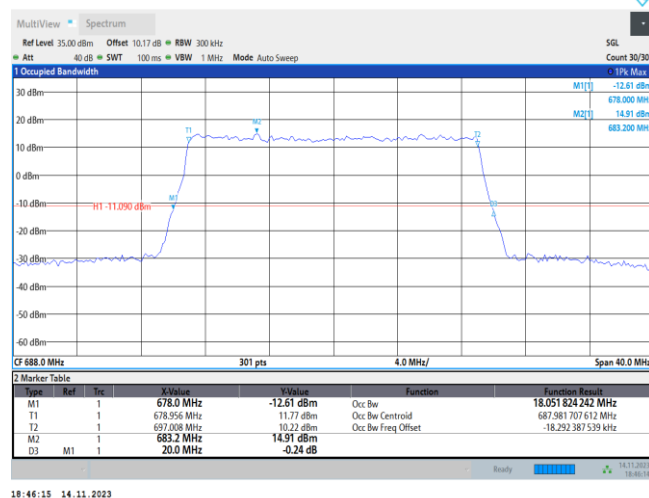
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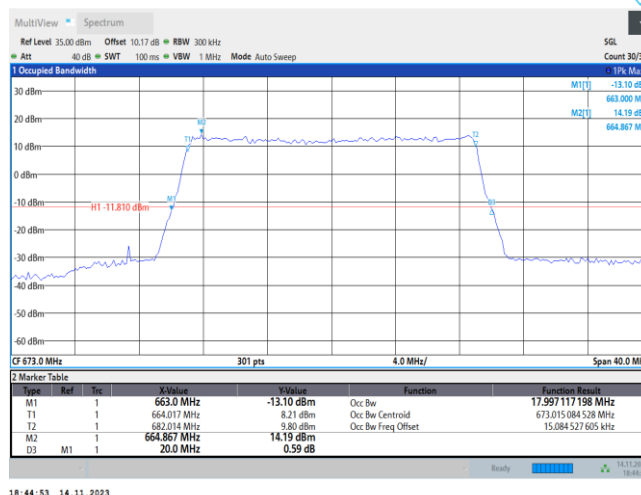
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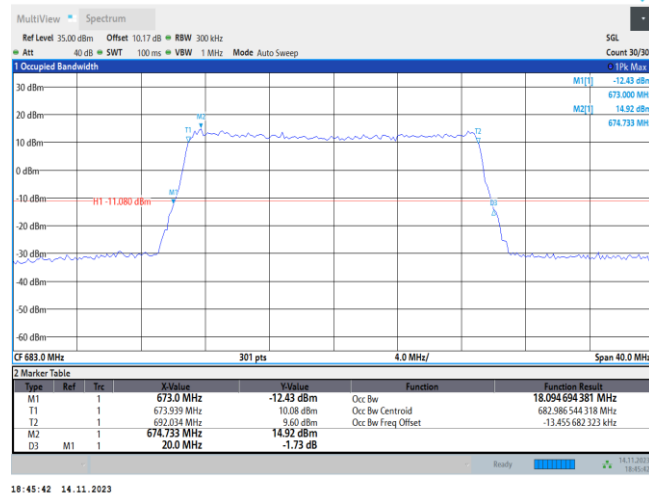
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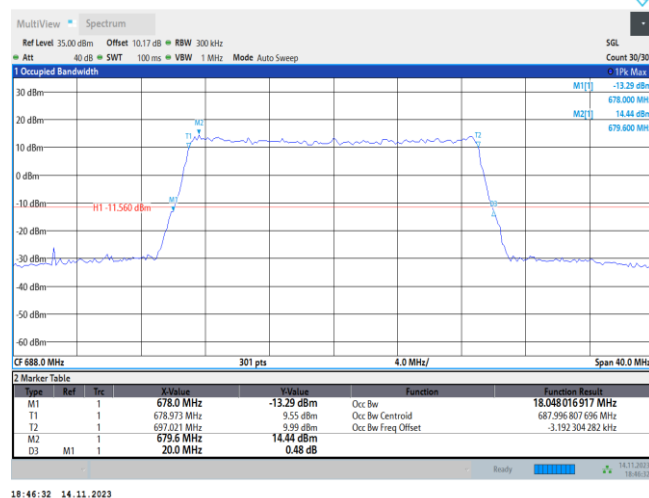
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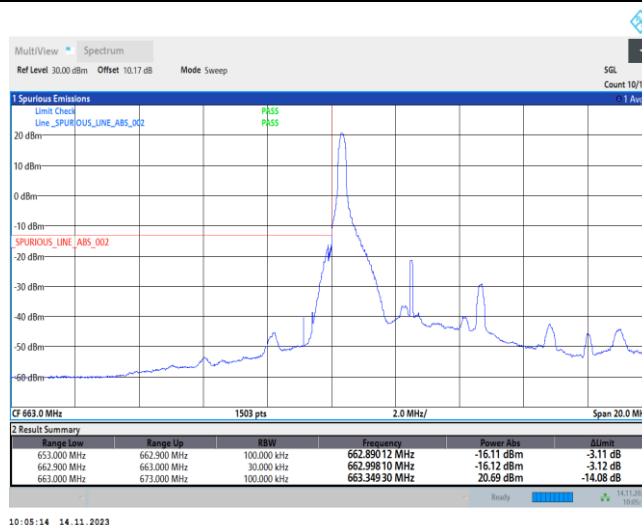
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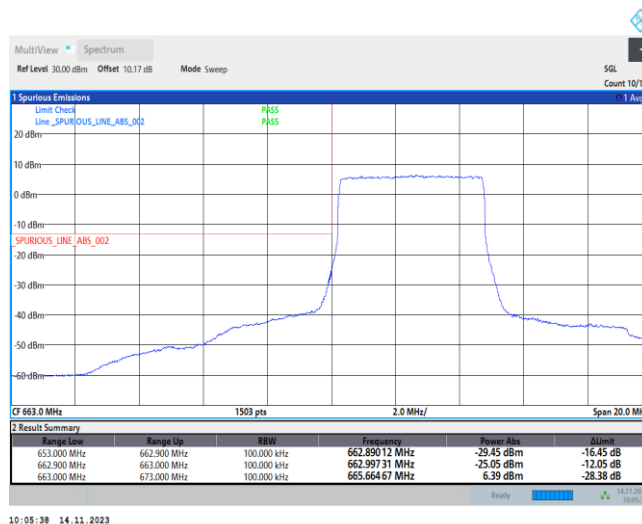
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Test Graphs

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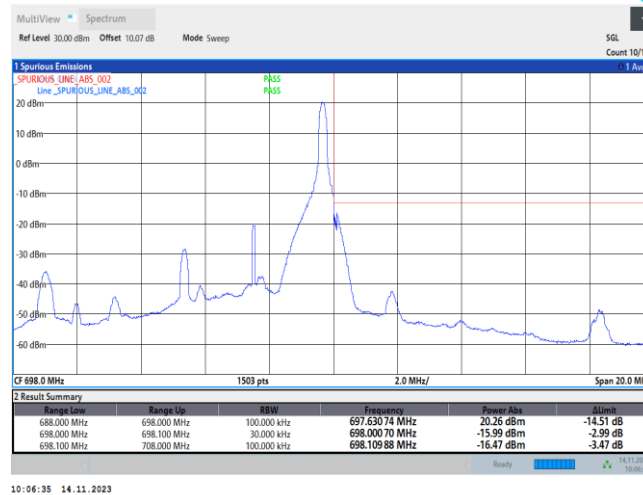
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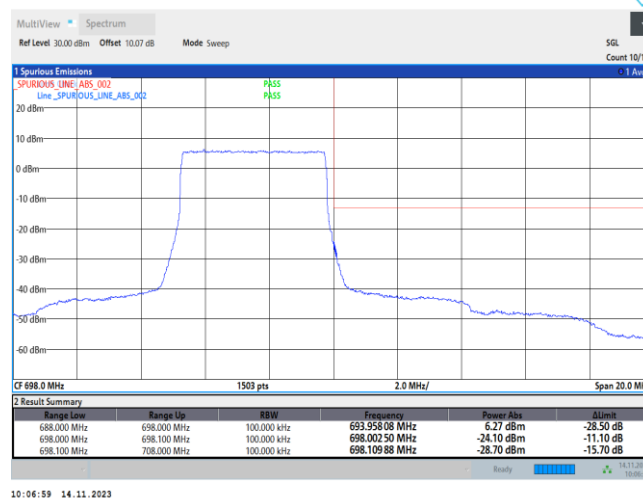
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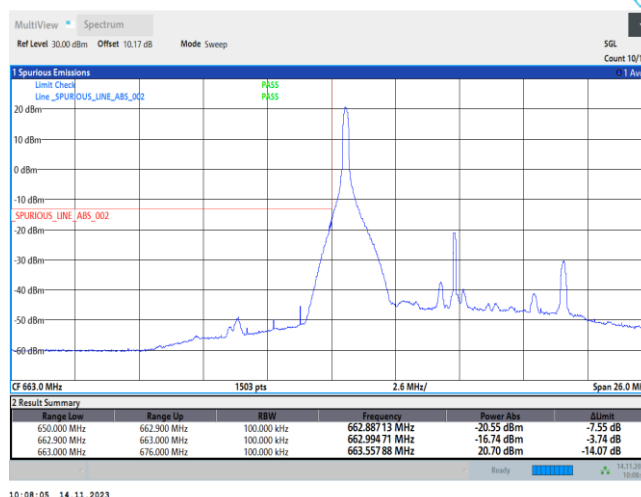
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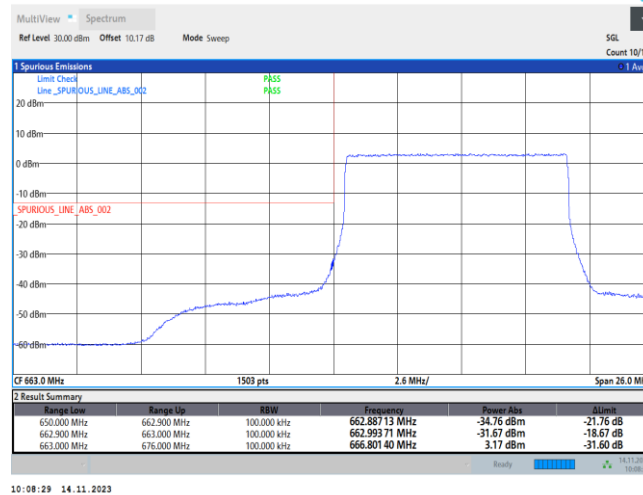
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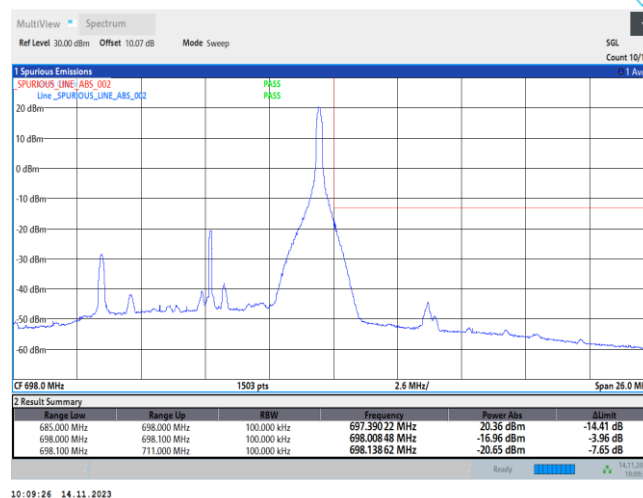
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Band71-10MHz-QPSK-133172-50RB#0



Band71-10MHz-QPSK-133422-1RB#49



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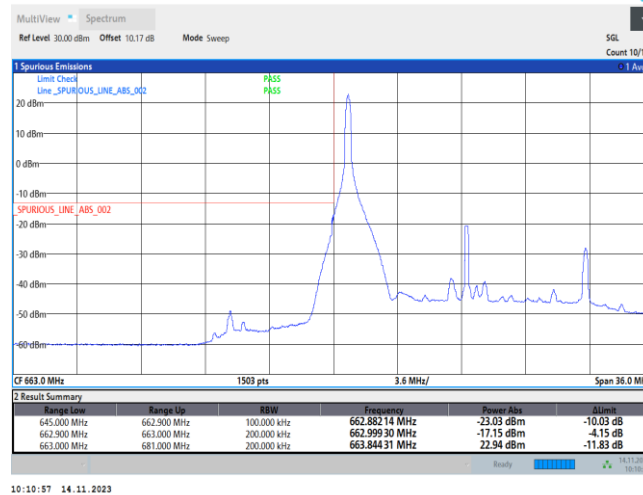
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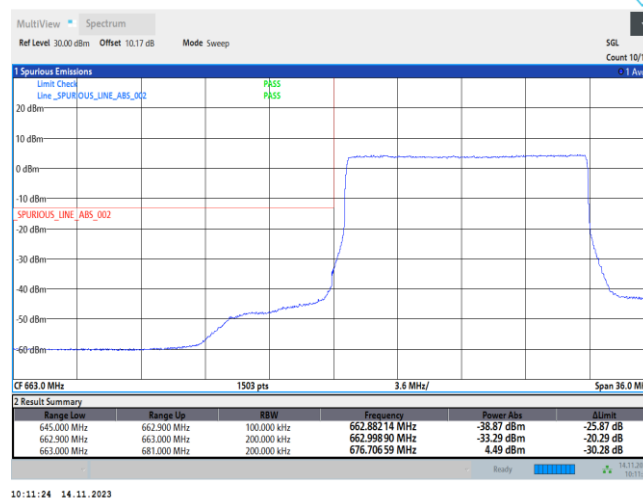
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Band71-15MHz-QPSK-133197-1RB#0



Band71-15MHz-QPSK-133197-75RB#0



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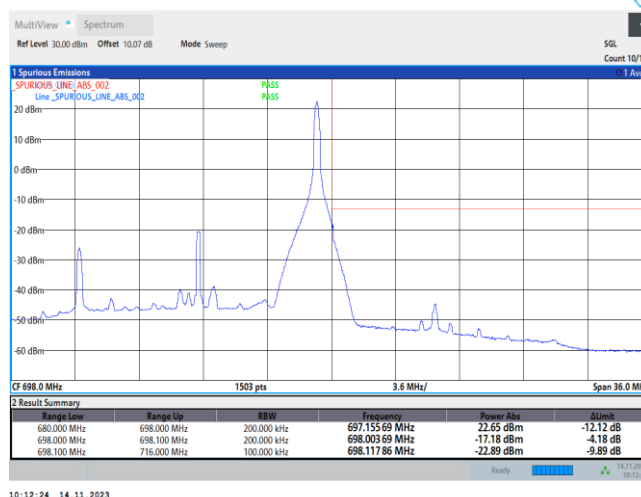
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Band71-15MHz-QPSK-133397-1RB#74



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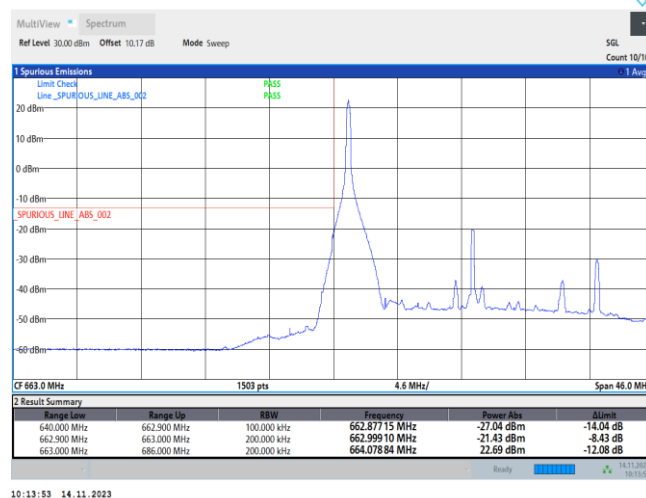
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Band71-15MHz-QPSK-133397-75RB#0



Band71-20MHz-QPSK-133222-1RB#0



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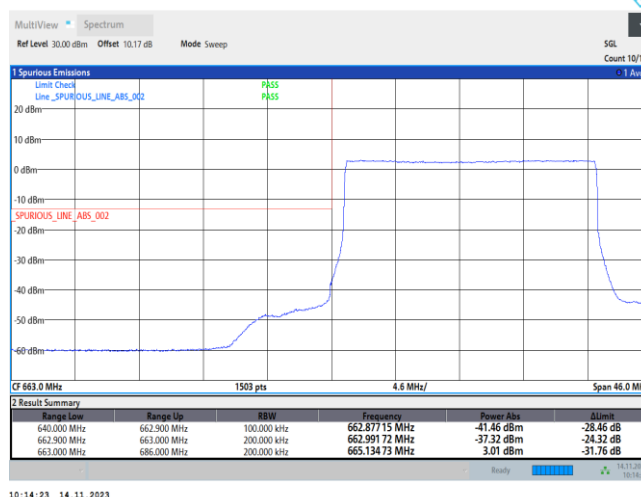
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Band71-20MHz-QPSK-133222-100RB#0



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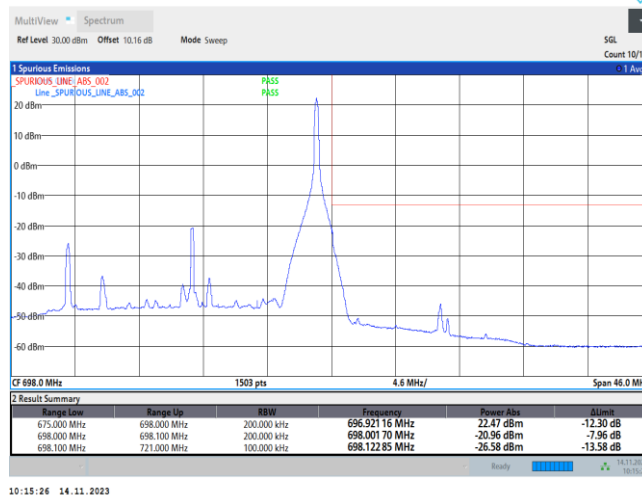
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Band71-20MHz-QPSK-133372-1RB#99



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



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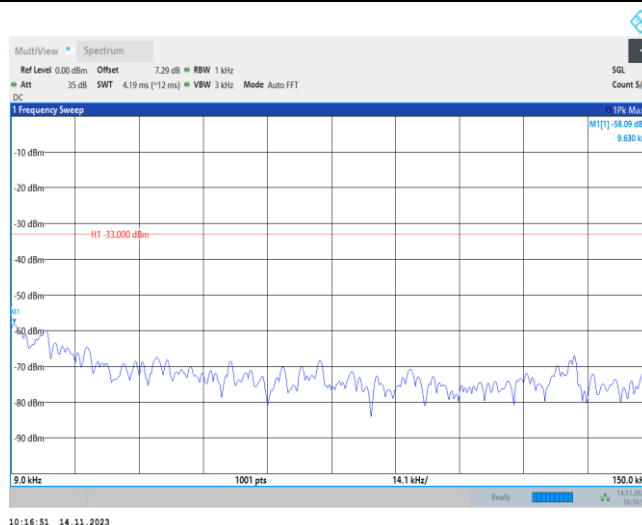
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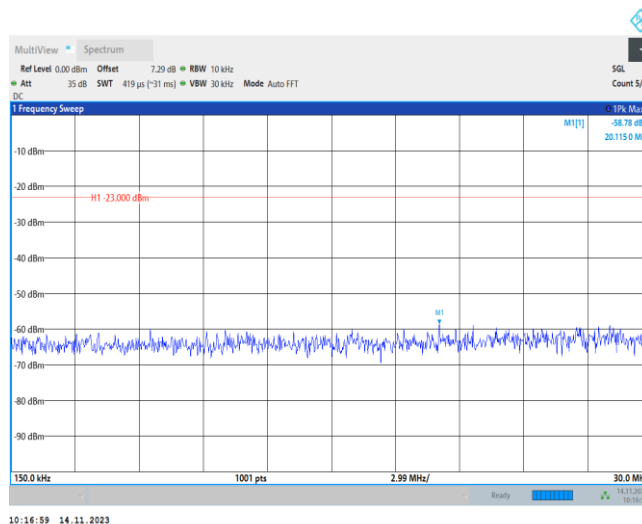
Conducted Spurious Emission

Test Graphs

Band71-20MHz-QPSK-133222-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133222-1RB#0-Range2:0.15~30MHz



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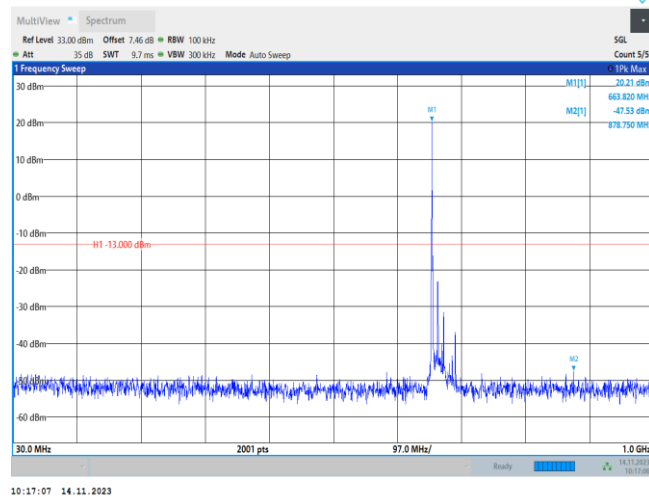
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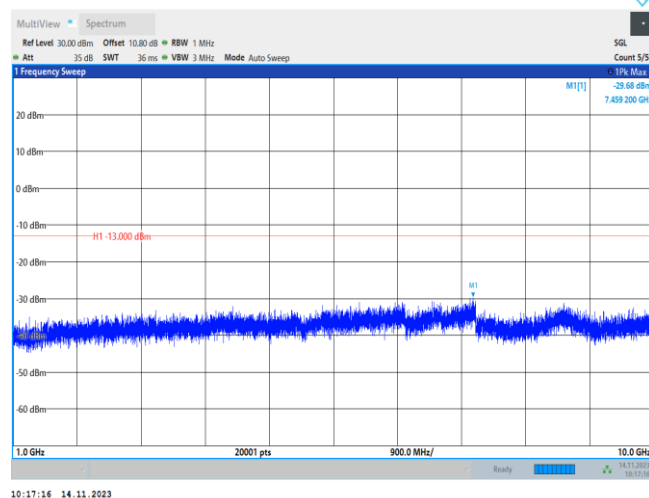
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Band71-20MHz-QPSK-133222-1RB#0-Range4:1000~10000MHz



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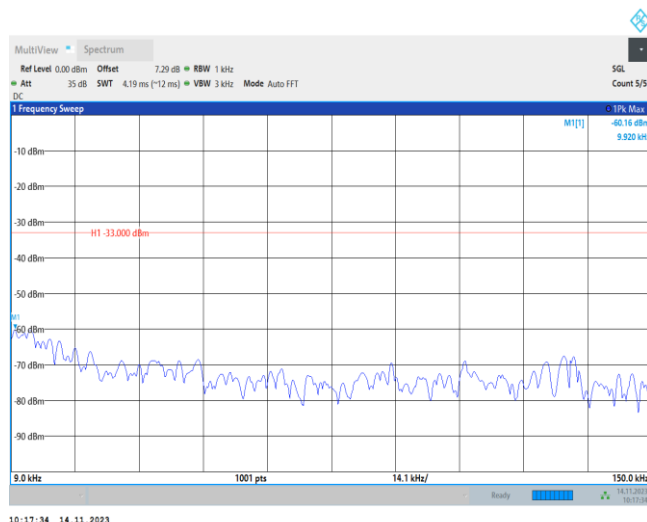
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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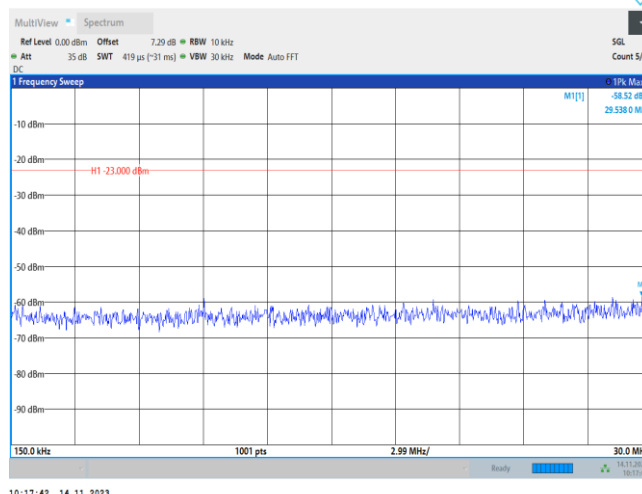
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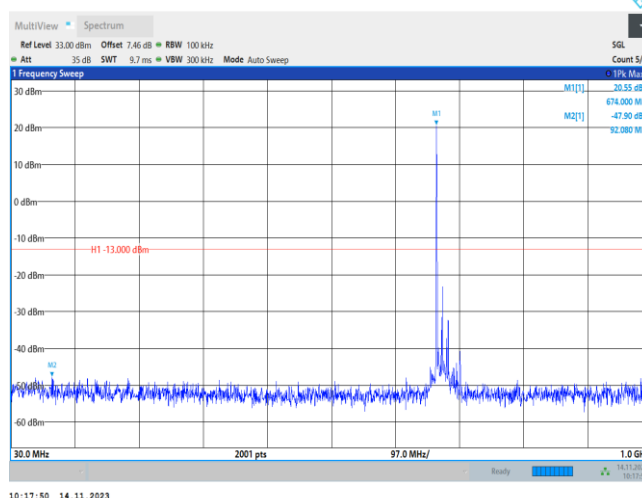
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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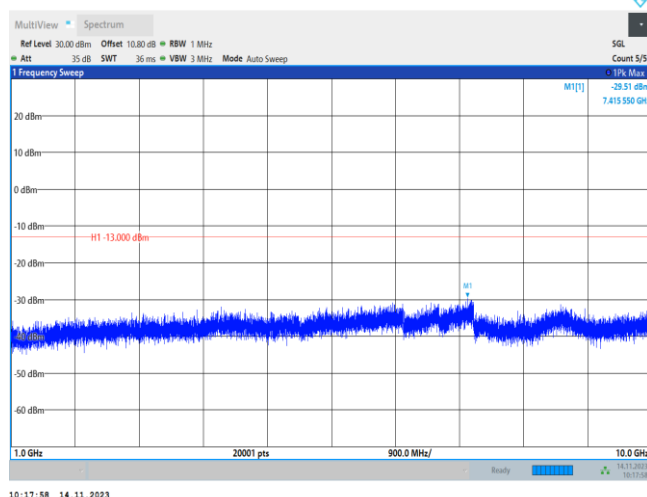
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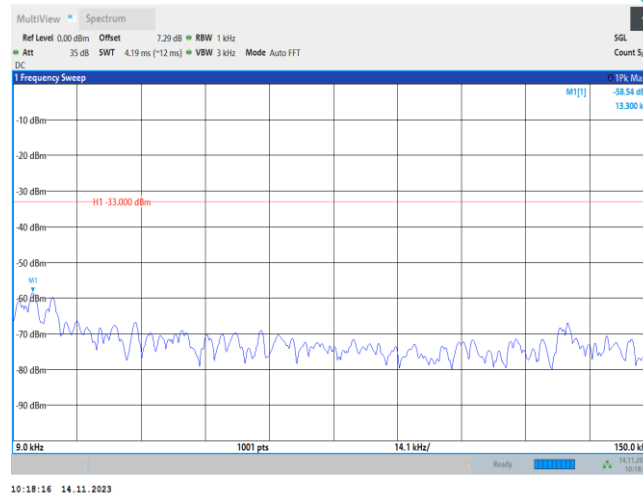
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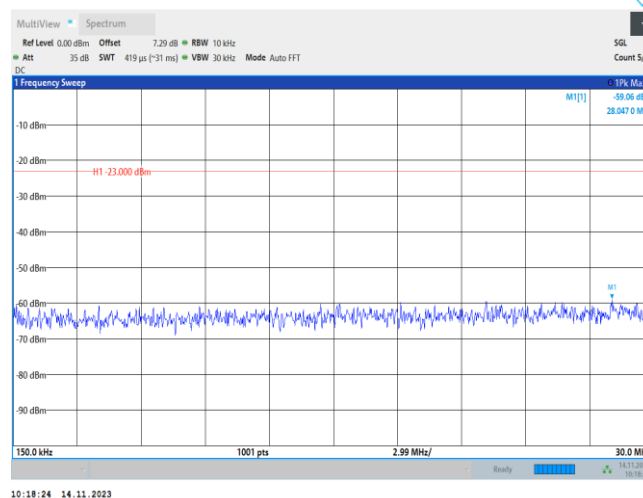
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz



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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

11/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

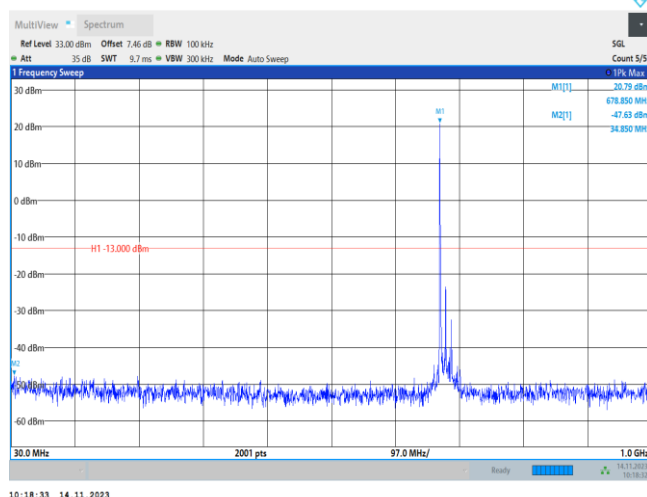
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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Wireless Laboratory

11/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

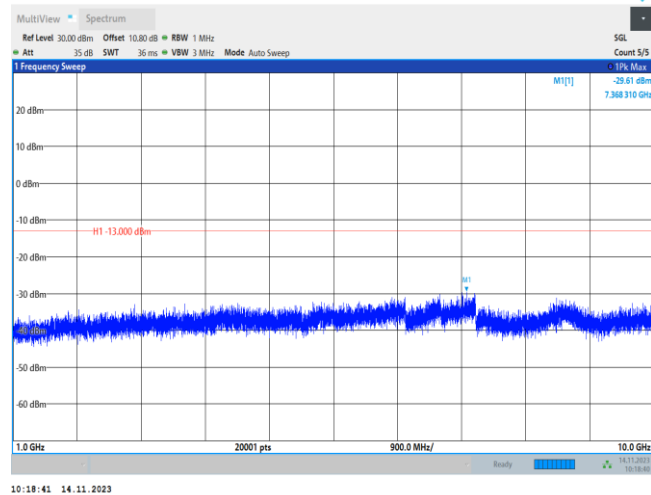
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Band71-20MHz-QPSK-133372-1RB#0-Range4:1000~10000MHz



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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

11/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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Field Strength of Spurious Radiation**Test Band = LTE_B71****Test Channel = LCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	60.07	-53.89	25.77	-63.31	-13.00	50.31	Horizontal
2	1992	58.69	-52.63	26.69	-62.51	-13.00	49.51	Horizontal
3	2588	54.35	-51.20	28.38	-63.73	-13.00	50.73	Horizontal
4	3954.5	53.05	-47.86	30.92	-59.15	-13.00	46.15	Horizontal
5	5140.5	51.84	-44.27	33.58	-54.11	-13.00	41.11	Horizontal
6	7868	49.79	-42.21	37.21	-50.47	-13.00	37.47	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	63.00	-53.89	25.77	-60.38	-13.00	47.38	Vertical
2	1992	56.28	-52.63	26.69	-64.92	-13.00	51.92	Vertical
3	2863	53.19	-50.27	28.95	-63.39	-13.00	50.39	Vertical
4	4030.5	53.17	-48.30	30.98	-59.41	-13.00	46.41	Vertical
5	5096.5	51.94	-44.08	33.49	-53.91	-13.00	40.91	Vertical
6	7575	49.68	-42.07	36.75	-50.90	-13.00	37.90	Vertical



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Wireless Laboratory

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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

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Test Band = LTE_B71

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.5	56.64	-53.76	25.86	-66.52	-13.00	53.52	Horizontal
2	2014.5	55.89	-52.54	26.89	-65.02	-13.00	52.02	Horizontal
3	3032	52.89	-50.25	29.86	-62.76	-13.00	49.76	Horizontal
4	4756.5	51.81	-45.07	32.23	-56.29	-13.00	43.29	Horizontal
5	6778	49.92	-43.97	36.26	-53.05	-13.00	40.05	Horizontal
6	9510.5	49.37	-40.10	39.18	-46.81	-13.00	33.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343	58.69	-53.77	25.86	-64.48	-13.00	51.48	Vertical
2	1766.5	59.10	-53.08	25.57	-63.67	-13.00	50.67	Vertical
3	2475	54.21	-51.24	27.95	-64.34	-13.00	51.34	Vertical
4	3738	54.01	-48.96	30.45	-59.76	-13.00	46.76	Vertical
5	5122.5	51.75	-44.17	33.55	-54.13	-13.00	41.13	Vertical
6	7873.5	49.77	-42.21	37.24	-50.46	-13.00	37.46	Vertical



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

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Test Band = LTE_B71

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358	58.46	-53.71	25.88	-64.63	-13.00	51.63	Horizontal
2	2037	54.99	-52.26	27.02	-65.51	-13.00	52.51	Horizontal
3	3049	53.73	-50.29	29.90	-61.92	-13.00	48.92	Horizontal
4	4572.5	52.49	-46.42	32.10	-57.09	-13.00	44.09	Horizontal
5	6956	50.62	-43.95	36.41	-52.18	-13.00	39.18	Horizontal
6	9471	49.20	-40.14	39.08	-47.12	-13.00	34.12	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358	59.32	-53.71	25.88	-63.77	-13.00	50.77	Vertical
2	2265.5	54.48	-52.04	27.53	-65.29	-13.00	52.29	Vertical
3	3301	52.48	-49.72	30.68	-61.82	-13.00	48.82	Vertical
4	5131	52.14	-44.21	33.56	-53.77	-13.00	40.77	Vertical
5	7971.5	49.68	-42.45	37.46	-50.57	-13.00	37.57	Vertical
6	9513	49.43	-40.08	39.17	-46.74	-13.00	33.74	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-7.60	-0.011127	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-7.50	-0.010981	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-6.80	-0.009956	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-6.40	-0.009370	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-8.70	-0.012738	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-9.00	-0.013177	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-12.60	-0.018448	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-4.60	-0.006735	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-8.80	-0.012884	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-12.80	-0.018741	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-4.40	-0.006442	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-7.60	-0.011127	PASS

---End of Attachment---



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t (86-29) 6282 7885 sgs.china@sgs.com

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