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Appendix B.19

LTE Band 71



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 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	24.23	23.3	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.19	23.26	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.11	23.18	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.1	22.17	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.06	23.13	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.17	23.24	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.03	23.1	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.04	22.11	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.16	23.23	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24	23.07	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.8	22.87	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.94	22.01	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.37	22.44	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.29	22.36	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.16	22.23	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.18	21.25	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.22	22.29	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.25	22.32	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.42	22.49	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.11	21.18	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.17	22.24	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.1	22.17	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.01	22.08	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.89	20.96	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.47	21.54	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.25	21.32	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.32	21.39	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.18	20.25	34.77	PASS



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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Band71	5MHz	64QAM	133297	1RB#0	22.43	21.5	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.28	21.35	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.12	21.19	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.05	20.12	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.21	21.28	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.22	21.29	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.2	21.27	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.95	20.02	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.24	18.31	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.3	18.37	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.32	18.39	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.19	18.26	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	19.24	18.31	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.28	18.35	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	19.08	18.15	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.05	18.12	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	19	18.07	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	19.18	18.25	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	18.93	18	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	18.96	18.03	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.28	23.35	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.09	23.16	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.25	23.32	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.17	22.24	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.25	23.32	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.15	23.22	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.88	22.95	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.04	22.11	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.98	23.05	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.01	23.08	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.86	22.93	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	23.07	22.14	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.28	22.35	34.77	PASS



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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Band71	10MHz	16QAM	133172	1RB#24	23.3	22.37	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.27	22.34	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.15	21.22	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.3	22.37	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.25	22.32	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.06	22.13	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.05	21.12	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.26	22.33	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.15	22.22	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.94	22.01	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.04	21.11	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.4	21.47	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.23	21.3	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.33	21.4	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.17	20.24	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.46	21.53	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.32	21.39	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.23	21.3	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.04	20.11	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.42	21.49	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.32	21.39	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.87	20.94	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.08	20.15	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.33	18.4	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.32	18.39	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.29	18.36	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	19.23	18.3	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	19.27	18.34	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	19.33	18.4	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	19.05	18.12	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	19.17	18.24	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	19.2	18.27	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	19.26	18.33	34.77	PASS



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Band71	10MHz	256QAM	133422	50RB#0	19.13	18.2	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.08	23.15	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.85	22.92	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.83	22.9	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.05	22.12	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.89	22.96	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.83	22.9	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.83	22.9	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.96	22.03	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.03	23.1	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.93	23	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.8	22.87	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.97	22.04	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23	22.07	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.98	22.05	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.15	22.22	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.99	21.06	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.08	22.15	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.03	22.1	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.41	22.48	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22	21.07	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.03	22.1	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.06	22.13	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.78	21.85	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.96	21.03	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.16	21.23	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.14	21.21	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.09	21.16	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.02	20.09	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.07	21.14	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.15	21.22	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.18	21.25	34.77	PASS



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Band71	15MHz	64QAM	133397	1RB#0	22.02	21.09	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.16	21.23	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.96	21.03	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.95	20.02	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	19.05	18.12	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.16	18.23	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.25	18.32	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	19	18.07	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	19.1	18.17	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	19.08	18.15	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	18.99	18.06	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	18.99	18.06	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	18.87	17.94	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	18.89	17.96	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	19	18.07	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	18.99	18.06	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.93	23	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.07	23.14	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.78	22.85	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.91	21.98	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.91	22.98	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.85	22.92	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.86	22.93	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.92	21.99	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.79	22.86	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.82	22.89	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.84	22.91	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	23	22.07	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.21	22.28	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.01	22.08	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.09	22.16	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22	21.07	34.77	PASS



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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Band71	20MHz	16QAM	133322	1RB#0	23.05	22.12	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23	22.07	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.88	21.95	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.89	20.96	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.34	22.41	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.82	21.89	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.76	21.83	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.04	21.11	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.29	21.36	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.3	21.37	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.94	21.01	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.07	20.14	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.28	21.35	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.04	21.11	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.88	20.95	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.99	20.06	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.18	21.25	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.06	21.13	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.77	20.84	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.96	20.03	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.39	18.46	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	19.04	18.11	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.03	18.1	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.17	18.24	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	19.04	18.11	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	19.09	18.16	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19.16	18.23	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	18.95	18.02	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.14	18.21	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	19.07	18.14	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	18.94	18.01	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.04	18.11	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	5.36	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.94	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.70	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.24	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.70	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.56	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.60	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.22	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.08	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.80	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.74	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.58	13	PASS



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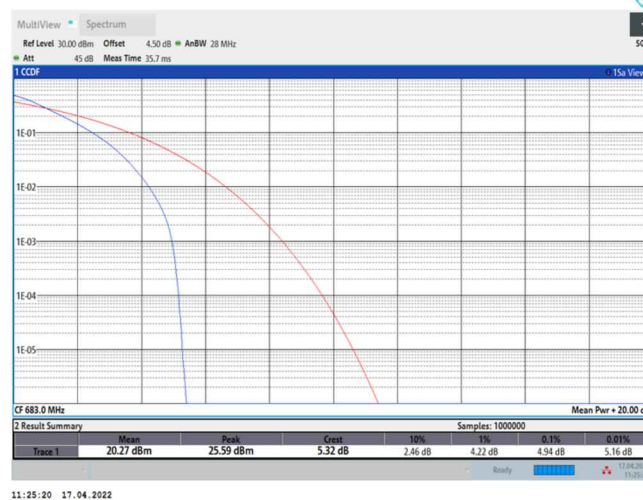
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Test Graphs

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



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



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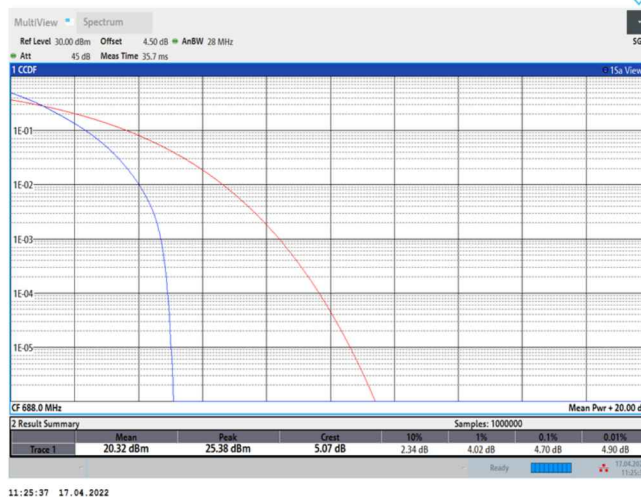
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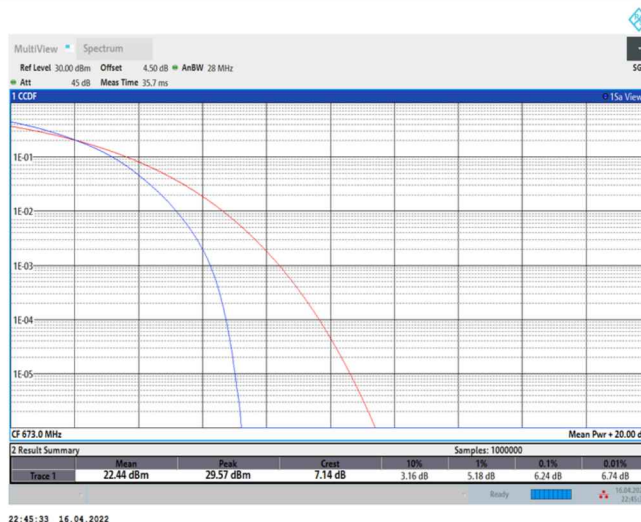
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Band71-20MHz-QPSK-133372-100RB#0



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



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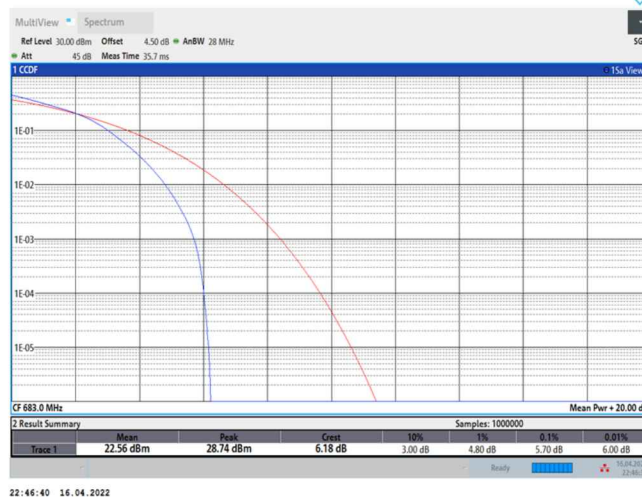
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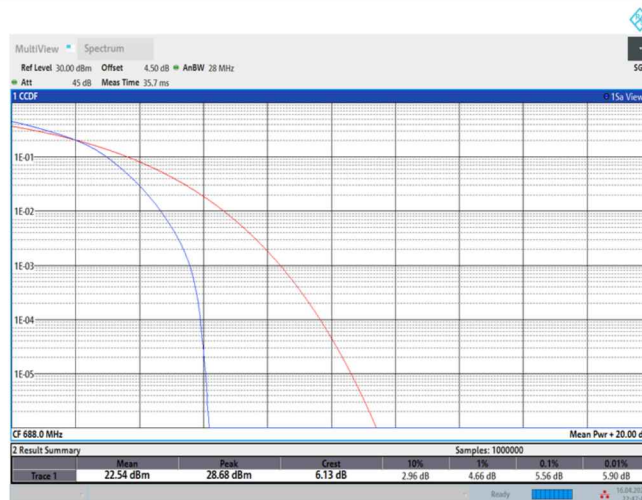
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Band71-20MHz-16QAM-133322-100RB#0



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



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