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Appendix B.14

LTE Band 71



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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

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.66	20.81	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.71	20.86	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.72	20.87	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.71	19.86	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.73	20.88	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.66	20.81	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.56	20.71	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.62	19.77	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.6	20.75	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.57	20.72	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.54	20.69	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.62	19.77	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.78	19.93	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.73	19.88	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.75	19.9	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.7	18.85	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.78	19.93	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.76	19.91	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.65	19.8	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.69	18.84	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.68	19.83	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.67	19.82	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.72	19.87	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.62	18.77	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.75	18.9	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.74	18.89	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.78	18.93	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	21.57	17.72	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.72	18.87	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.7	18.85	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.64	18.79	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.52	17.67	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.66	18.81	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.66	18.81	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.62	18.77	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.47	17.62	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.64	15.79	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.78	15.93	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.67	15.82	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.64	15.79	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	19.67	15.82	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.63	15.78	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	19.55	15.7	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.51	15.66	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	19.47	15.62	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	19.53	15.68	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	19.51	15.66	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	19.47	15.62	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.66	20.81	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.68	20.83	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.65	20.8	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.75	19.9	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.68	20.83	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.6	20.75	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.54	20.69	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.69	19.84	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.58	20.73	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.53	20.68	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.5	20.65	34.77	PASS



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Band71	10MHz	QPSK	133422	50RB#0	23.57	19.72	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.73	19.88	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.74	19.89	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.71	19.86	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.68	18.83	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.8	19.95	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.74	19.89	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.68	19.83	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.68	18.83	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.68	19.83	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.7	19.85	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.67	19.82	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.58	18.73	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.78	18.93	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.79	18.94	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.73	18.88	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.62	17.77	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.71	18.86	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.7	18.85	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.61	18.76	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.54	17.69	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.56	18.71	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.62	18.77	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.57	18.72	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.44	17.59	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.73	15.88	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.75	15.9	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.69	15.84	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	19.65	15.8	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	19.69	15.84	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	19.61	15.76	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	19.52	15.67	34.77	PASS



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Band71	10MHz	256QAM	133422	1RB#0	19.57	15.72	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	19.55	15.7	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	19.52	15.67	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	19.43	15.58	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.59	20.74	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.62	20.77	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.62	20.77	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.69	19.84	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.67	20.82	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.6	20.75	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.48	20.63	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.63	19.78	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.46	20.61	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.48	20.63	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.47	20.62	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.58	19.73	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.73	19.88	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.75	19.9	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.62	19.77	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.66	18.81	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.77	19.92	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.8	19.95	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.67	19.82	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.62	18.77	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.68	19.83	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.69	19.84	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.7	19.85	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.52	18.67	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.7	18.85	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.75	18.9	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.72	18.87	34.77	PASS



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Band71	15MHz	64QAM	133297	1RB#0	22.73	18.88	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.73	18.88	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.64	18.79	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.53	17.68	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.68	18.83	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.59	18.74	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.56	18.71	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.43	17.58	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	19.68	15.83	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.7	15.85	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.64	15.79	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	19.59	15.74	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	19.75	15.9	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	19.61	15.76	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	19.55	15.7	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	19.48	15.63	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	19.53	15.68	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	19.53	15.68	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	19.44	15.59	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	19.42	15.57	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.61	20.76	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.62	20.77	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.5	20.65	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.62	19.77	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.59	20.74	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.55	20.7	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.49	20.64	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.62	19.77	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.54	20.69	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.5	20.65	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.49	20.64	34.77	PASS



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Band71	20MHz	QPSK	133372	100RB#0	23.58	19.73	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.77	19.92	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.77	19.92	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.69	19.84	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.61	18.76	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.77	19.92	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.71	19.86	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.65	19.8	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.57	18.72	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.78	19.93	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.68	19.83	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.65	19.8	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.57	18.72	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.69	18.84	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.73	18.88	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.6	18.75	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.53	17.68	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.72	18.87	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.63	18.78	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.6	18.75	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.47	17.62	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.67	18.82	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.59	18.74	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.49	18.64	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.45	17.6	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.65	15.8	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	19.72	15.87	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.47	15.62	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.53	15.68	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	19.68	15.83	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	19.57	15.72	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19.5	15.65	34.77	PASS



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Band71	20MHz	256QAM	133322	100RB#0	19.47	15.62	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.68	15.83	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	19.59	15.74	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	19.51	15.66	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.45	15.6	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	5.42	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.32	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.28	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.06	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.10	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.02	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.40	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.52	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.46	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.60	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.60	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.60	13	PASS



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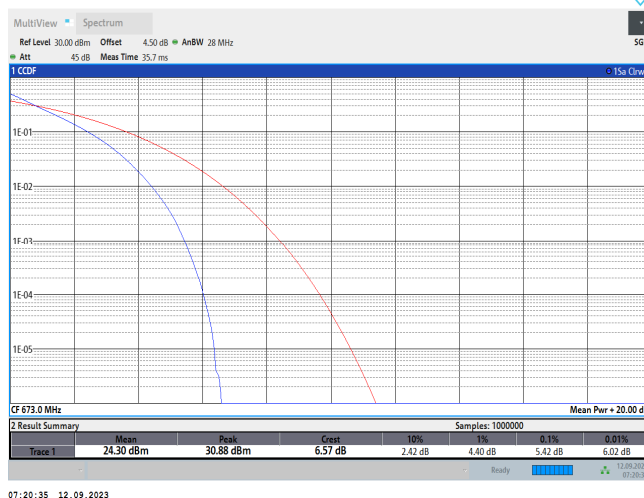
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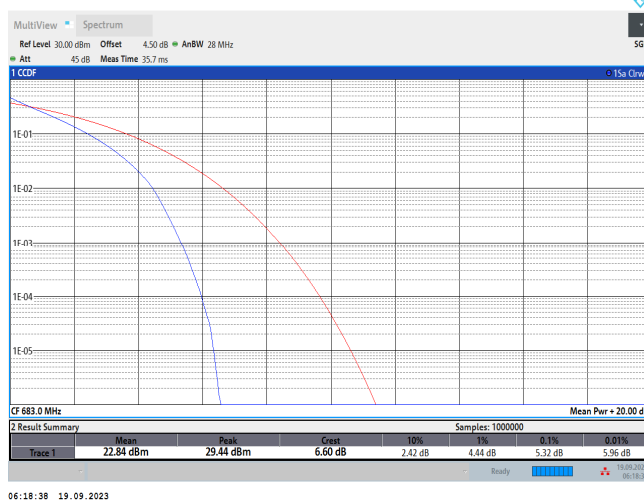
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Test Graphs

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



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



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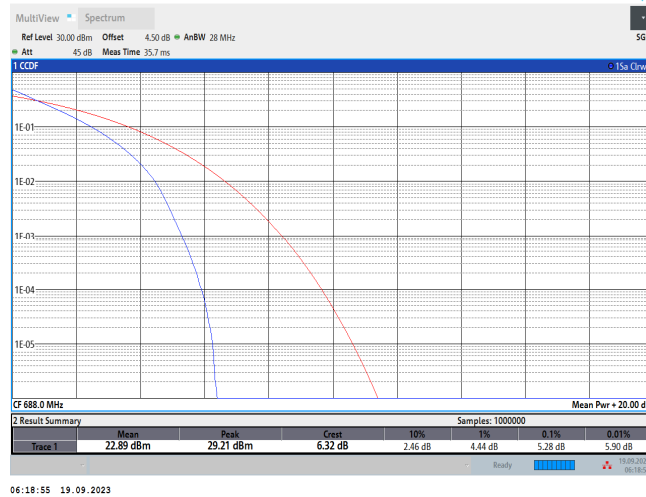
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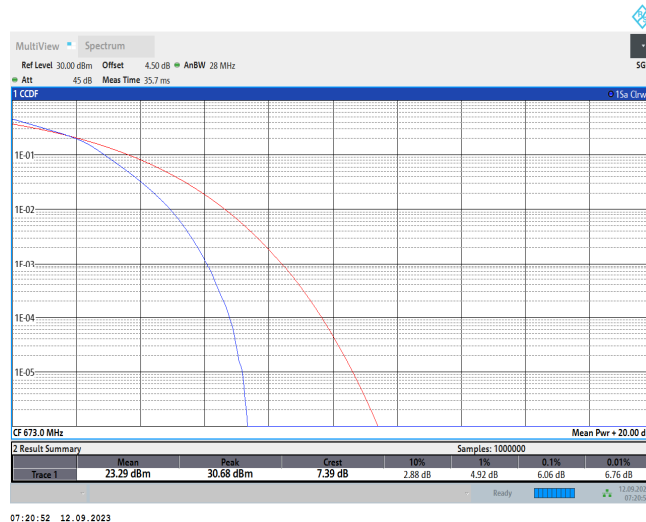
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Band71-20MHz-QPSK-133372-100RB#0



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



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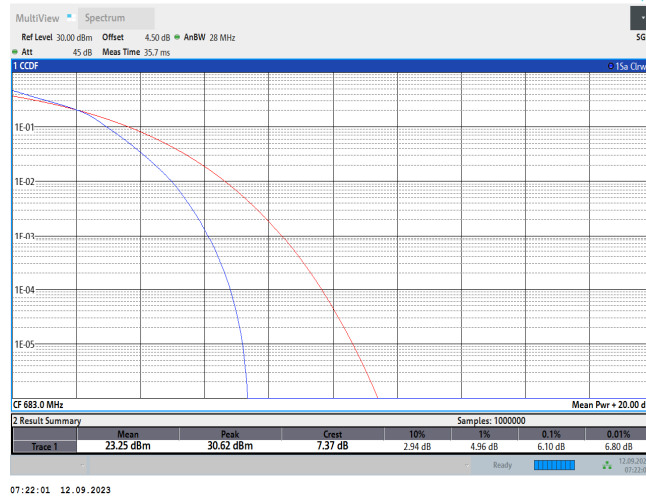
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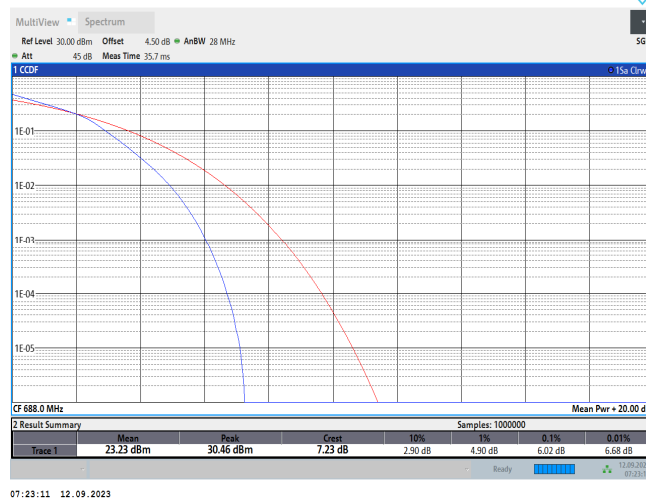
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Band71-20MHz-16QAM-133322-100RB#0



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



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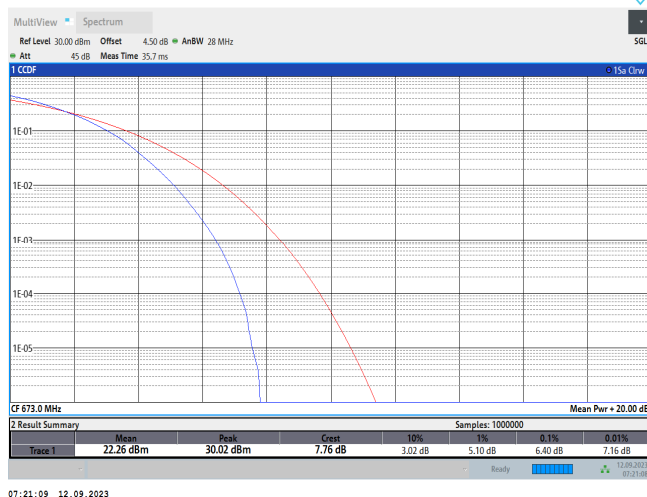
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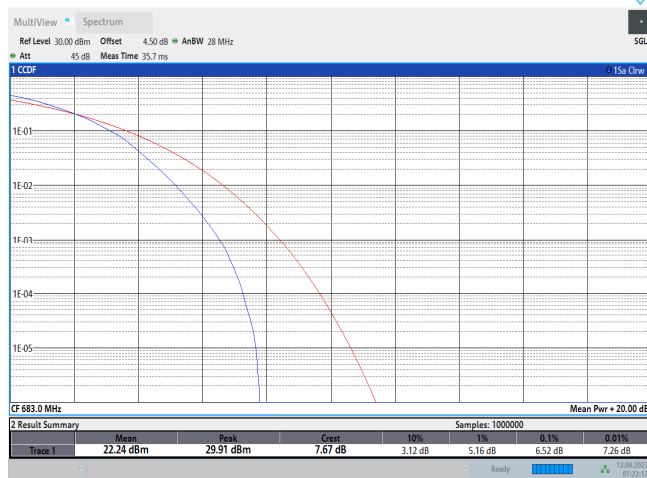
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Band71-20MHz-64QAM-133222-100RB#0



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



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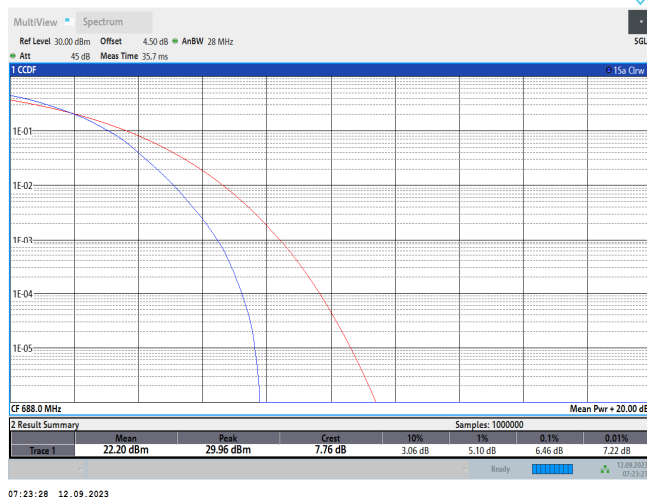
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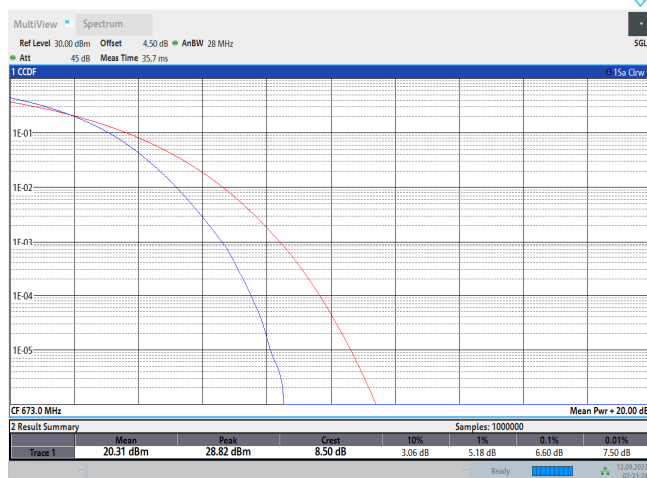
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Band71-20MHz-64QAM-133372-100RB#0



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Band71-20MHz-256QAM-133222-100RB#0



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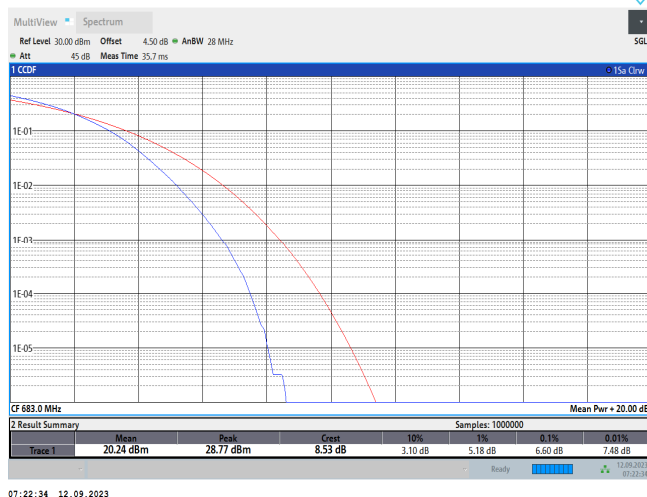
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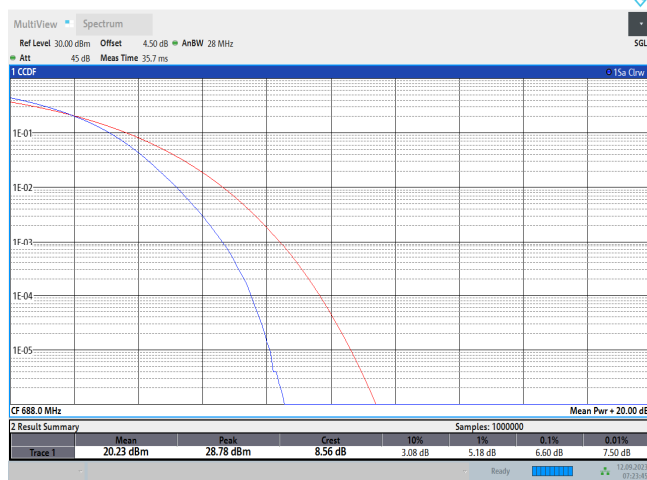
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Band71-20MHz-256QAM-133372-100RB#0



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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	133297	25RB#0	4.464	4.84	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.467	4.85	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.471	4.89	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.468	4.83	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.928	9.64	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.92	9.62	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.936	9.66	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.934	9.56	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.453	14.73	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.432	14.61	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.431	14.79	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.42	14.67	PASS
Band71	20MHz	QPSK	133297	100RB#0	17.869	19.28	PASS
Band71	20MHz	16QAM	133297	100RB#0	17.879	19.20	PASS
Band71	20MHz	64QAM	133297	100RB#0	17.876	19.28	PASS
Band71	20MHz	256QAM	133297	100RB#0	17.869	19.16	PASS



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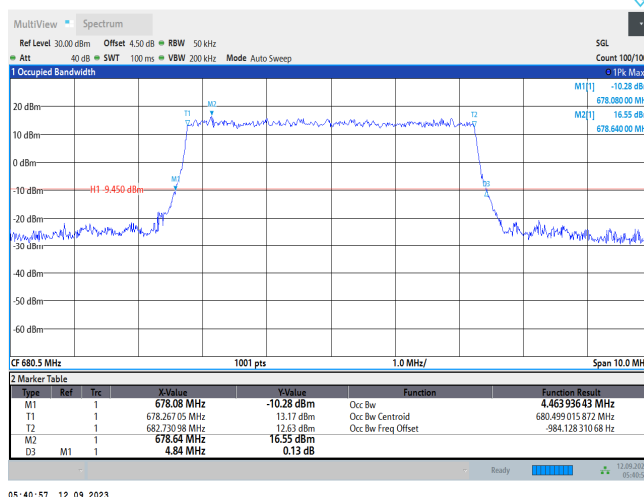
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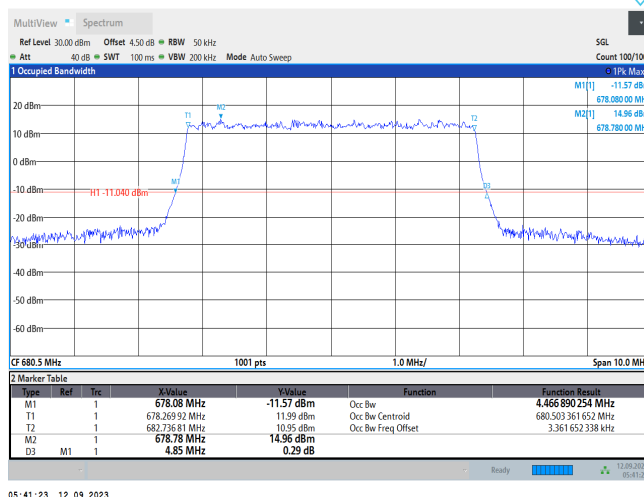
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Test Graphs

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



Band71-5MHz-16QAM-133297-25RB#0



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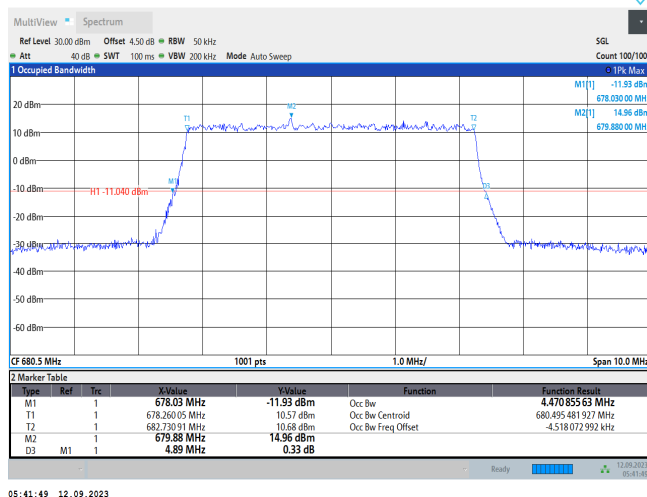
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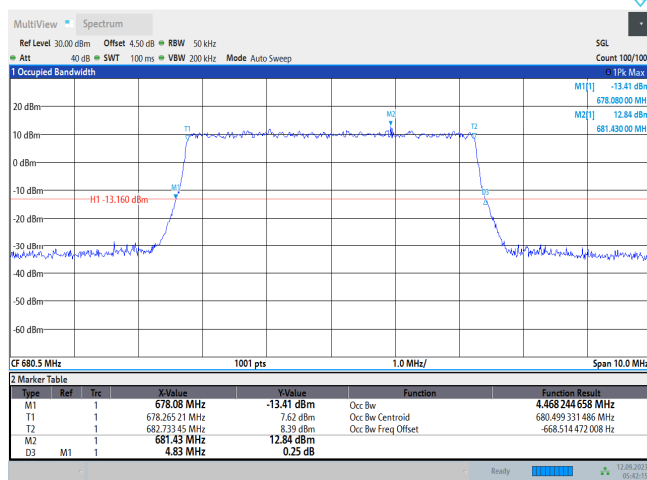
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Band71-5MHz-64QAM-133297-25RB#0



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Band71-5MHz-256QAM-133297-25RB#0



05:42:15 12.09.2023



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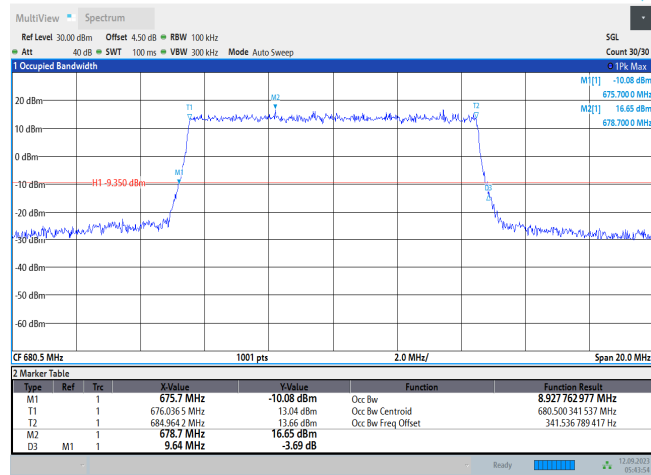
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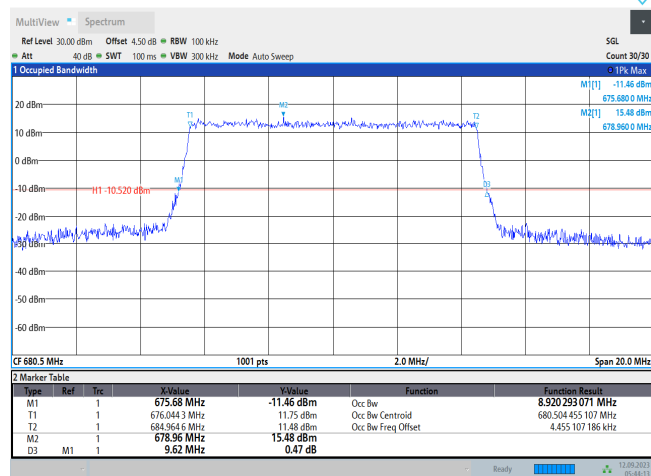
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Band71-10MHz-QPSK-133297-50RB#0



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Band71-10MHz-16QAM-133297-50RB#0



05:44:14 12.09.2023



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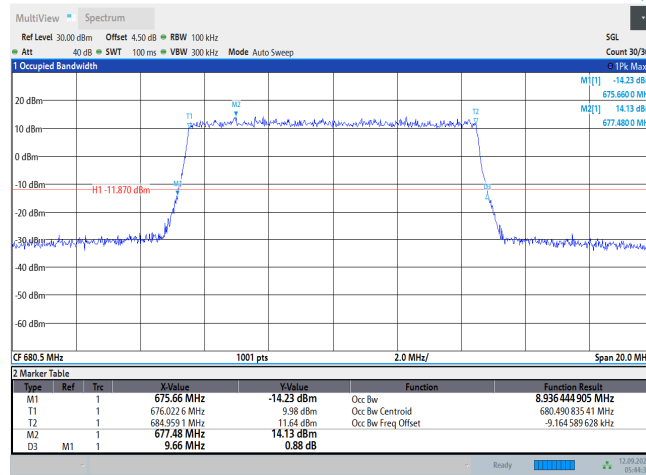
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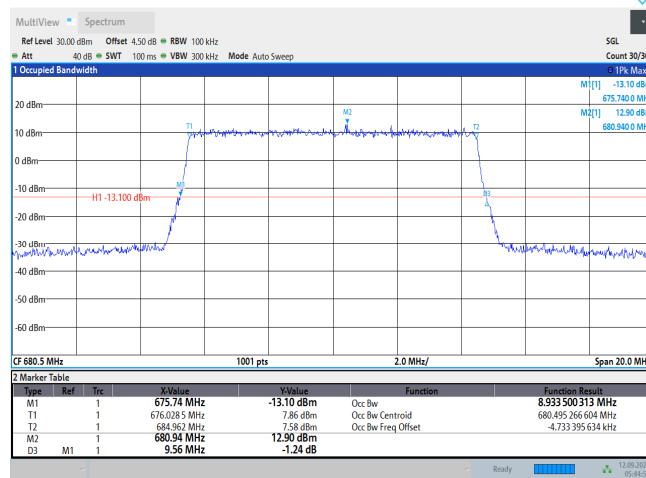
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Band71-10MHz-64QAM-133297-50RB#0



Band71-10MHz-256QAM-133297-50RB#0



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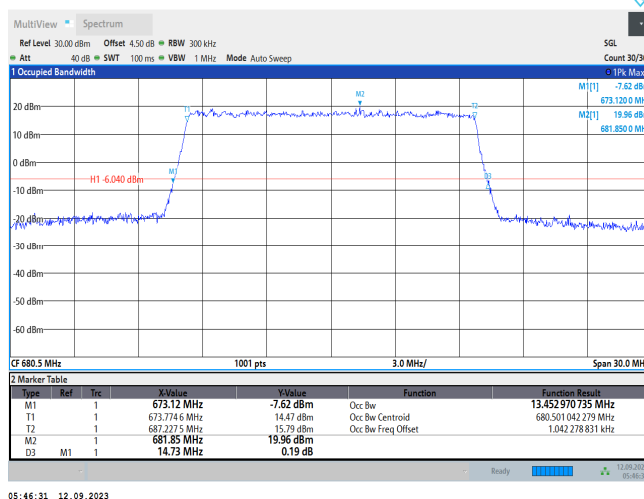
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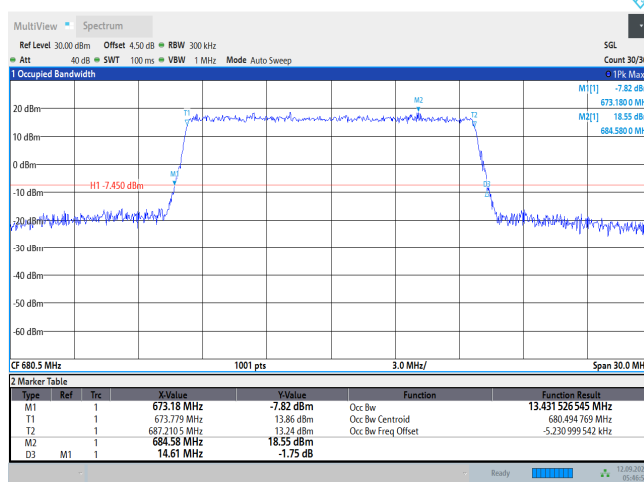
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Band71-15MHz-QPSK-133297-75RB#0



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Band71-15MHz-16QAM-133297-75RB#0



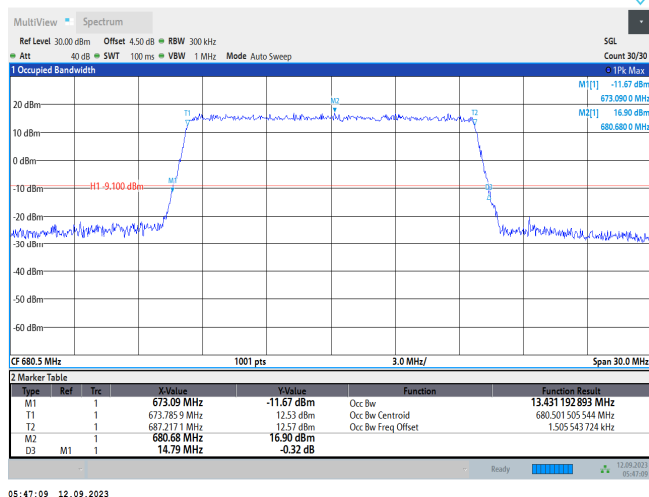
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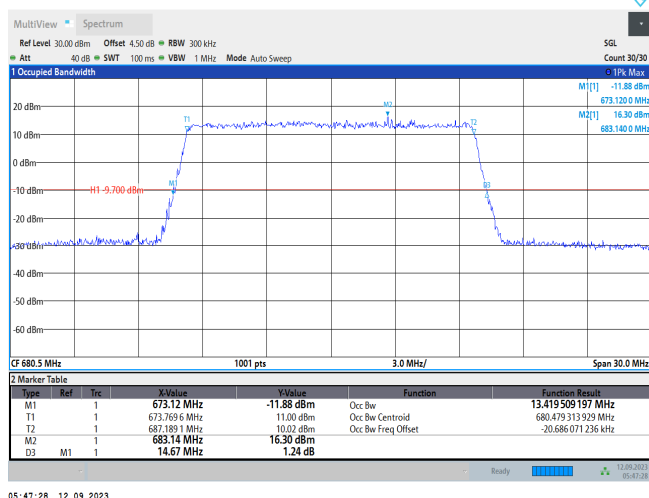
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Band71-15MHz-64QAM-133297-75RB#0



Band71-15MHz-256QAM-133297-75RB#0

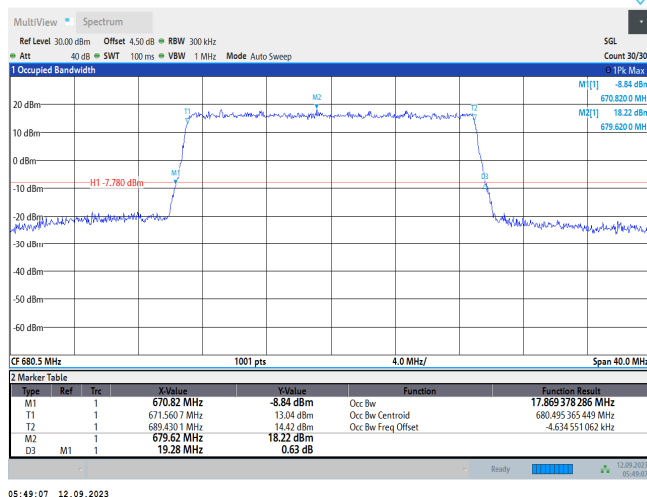


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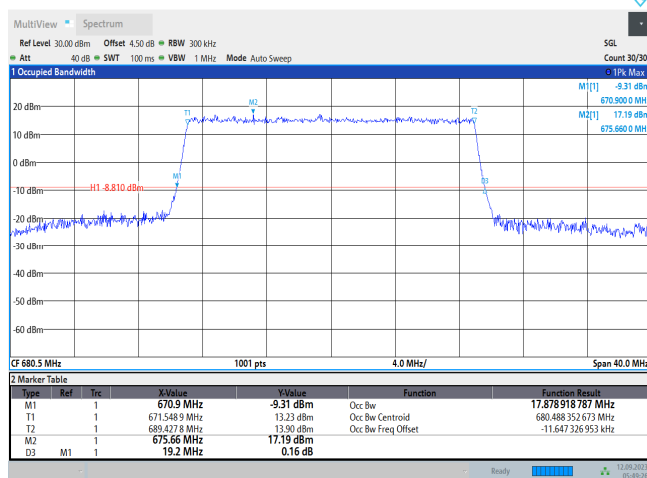
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Band71-20MHz-QPSK-133297-100RB#0



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Band71-20MHz-16QAM-133297-100RB#0



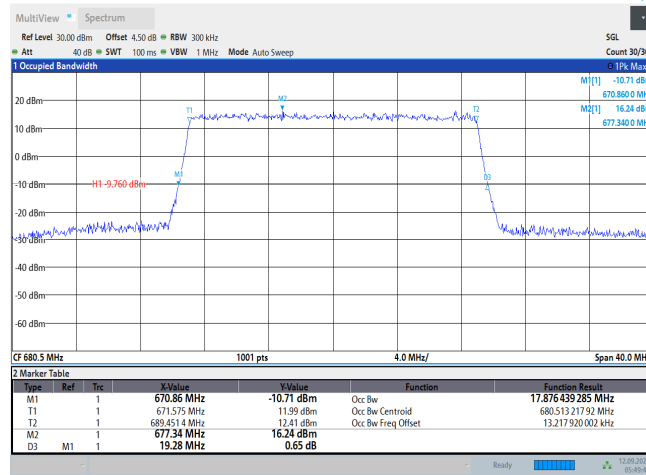
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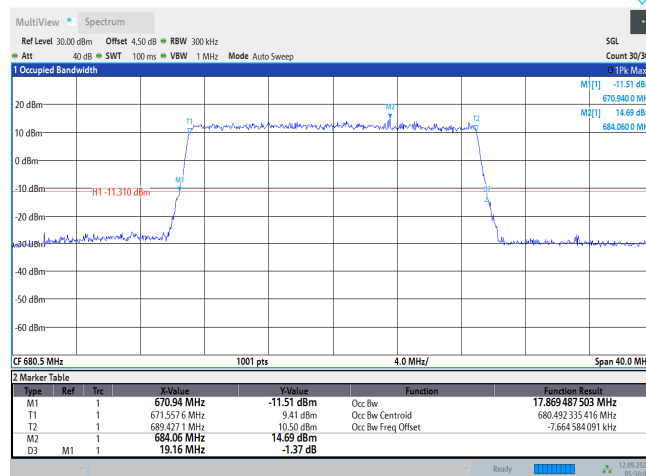
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Band71-20MHz-64QAM-133297-100RB#0



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Band71-20MHz-256QAM-133297-100RB#0



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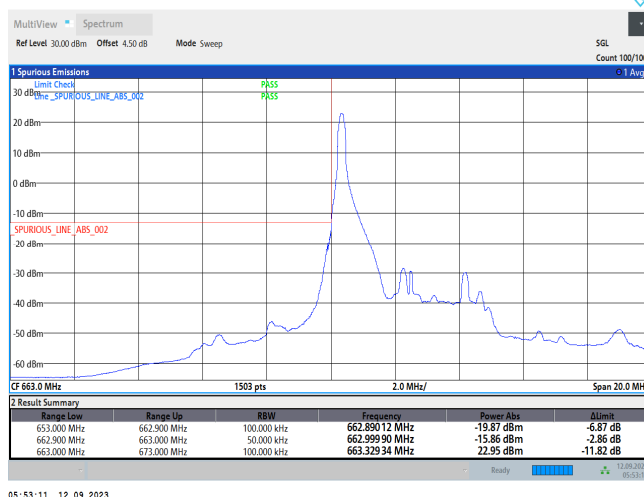
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Band Edge

Test Graphs

Band71-5MHz-QPSK-133147-1RB#0



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



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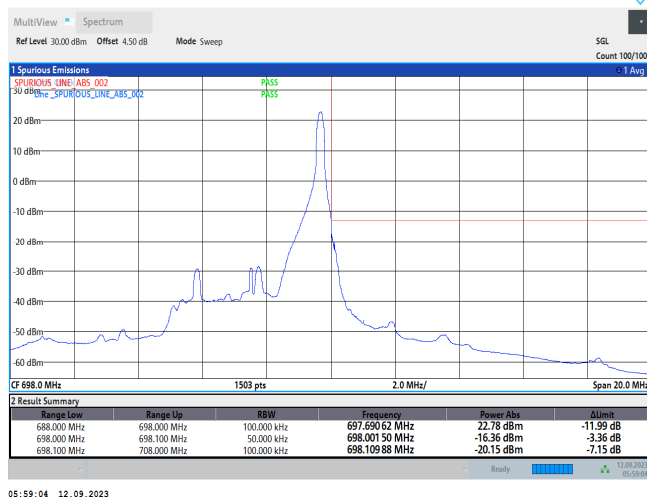
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Band71-5MHz-QPSK-133447-1RB#24



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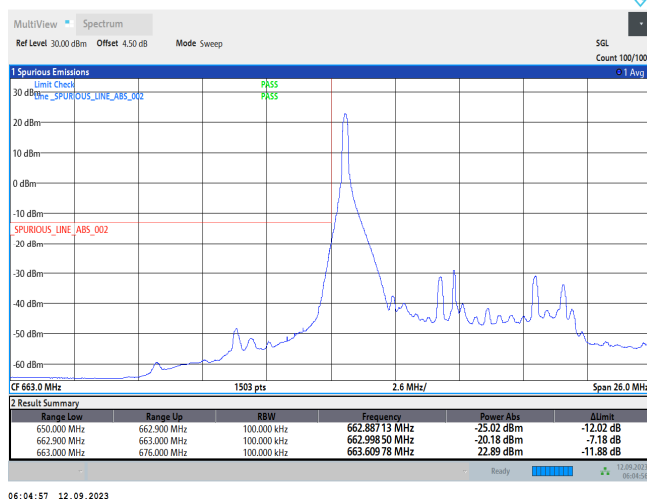
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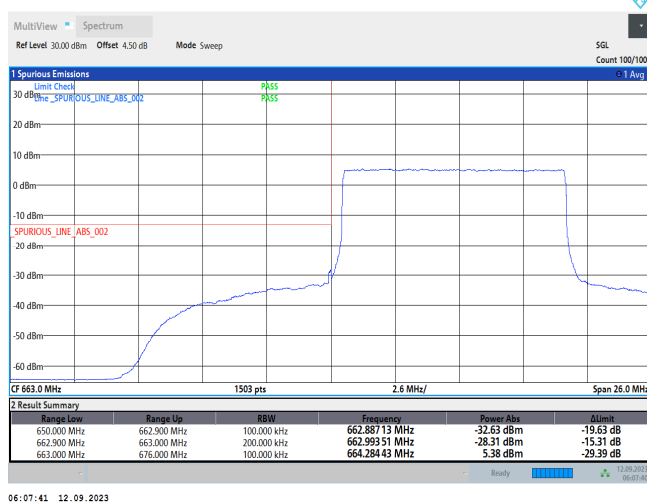
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Band71-10MHz-QPSK-133172-1RB#0



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



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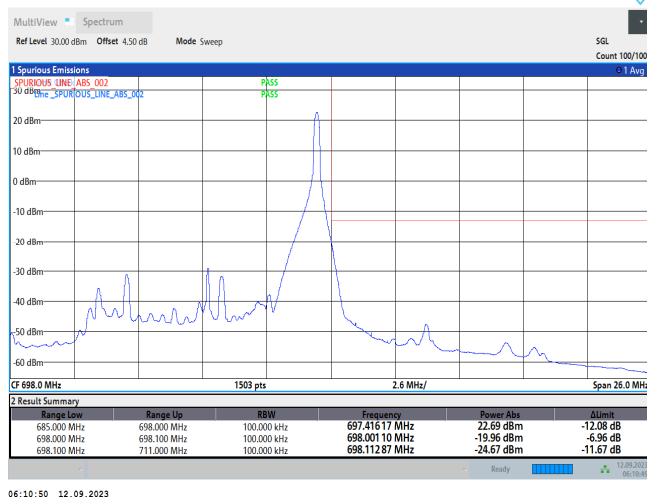
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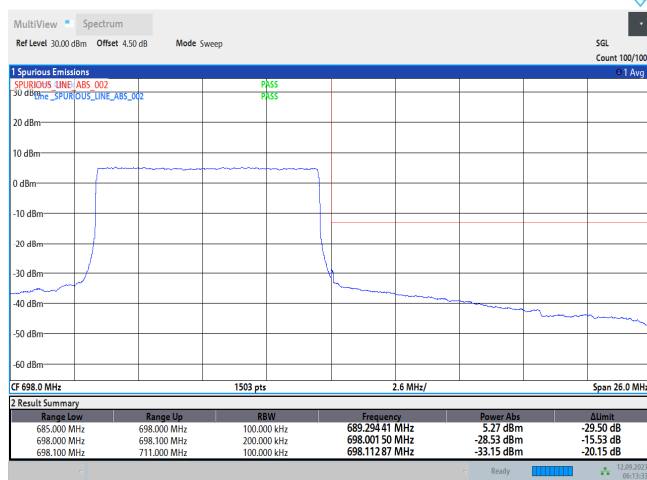
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Band71-10MHz-QPSK-133422-1RB#49



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Band71-10MHz-QPSK-133422-50RB#0



06:13:34 12.09.2023



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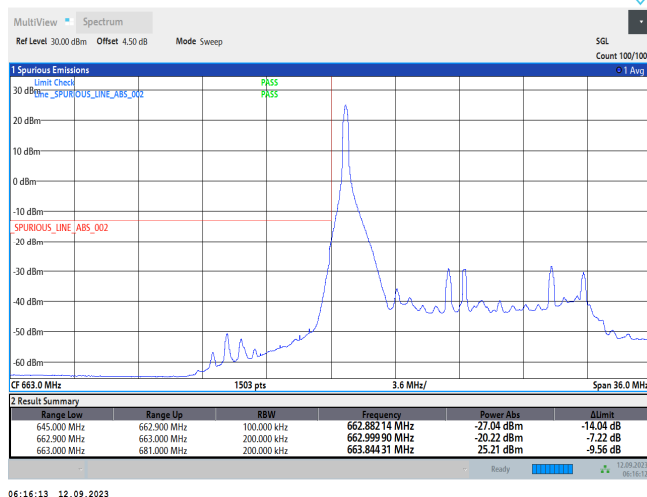
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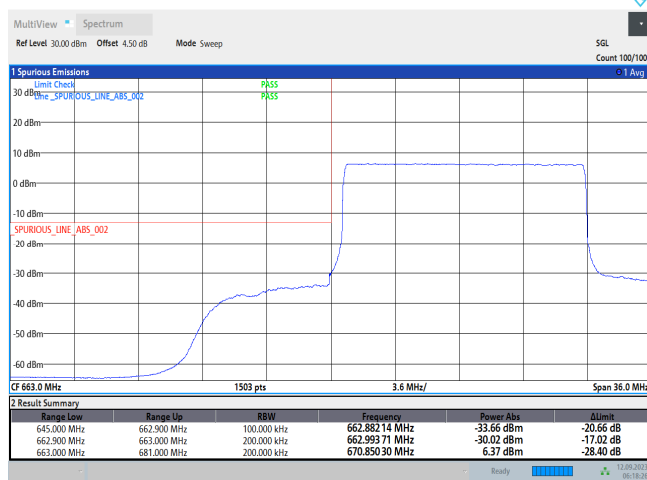
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Band71-15MHz-QPSK-133197-1RB#0



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



06:18:27 12.09.2023



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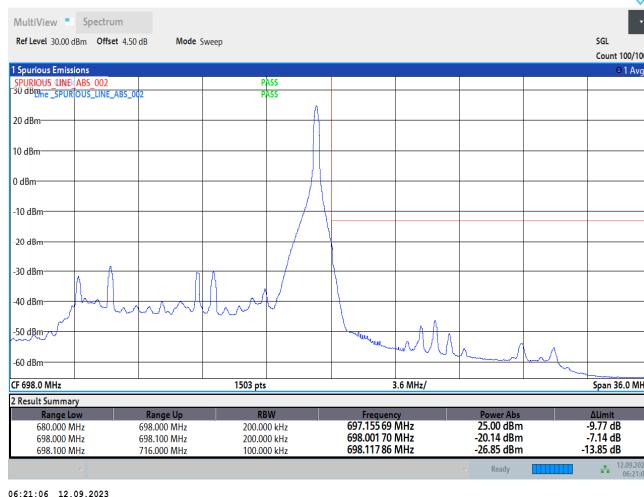
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Band71-15MHz-QPSK-133397-1RB#74



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



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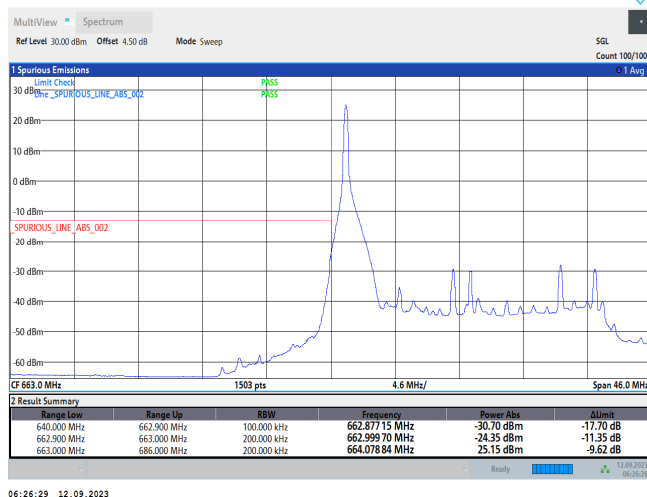
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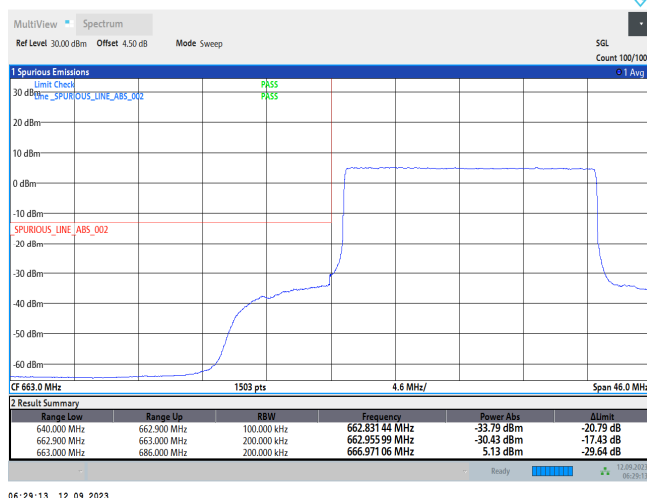
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Band71-20MHz-QPSK-133222-1RB#0



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



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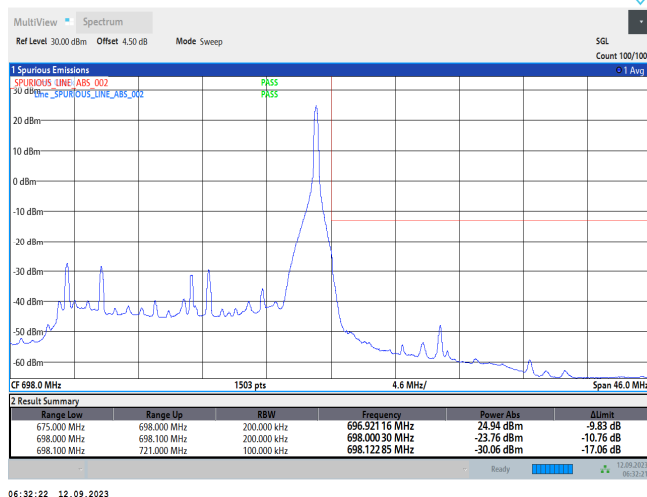
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Band71-20MHz-QPSK-133372-1RB#99



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



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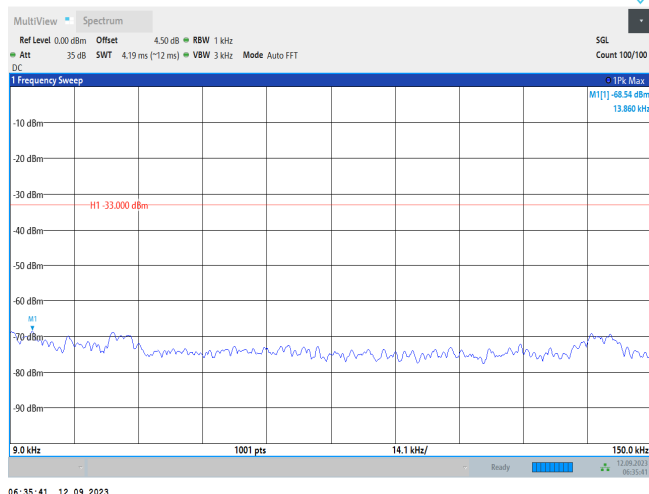
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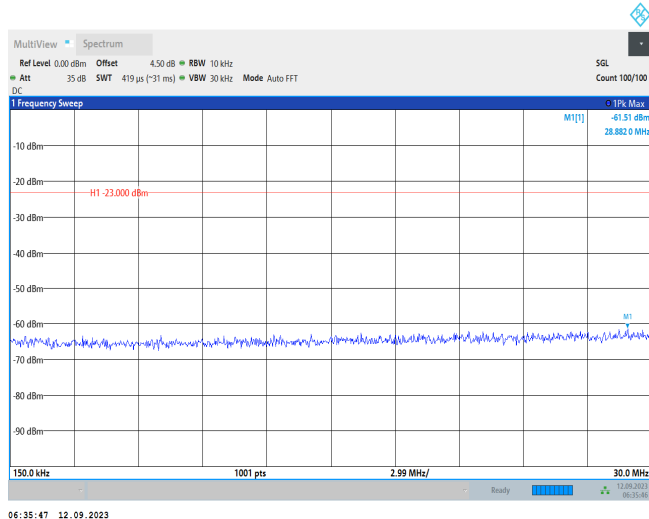
Conducted Spurious Emission

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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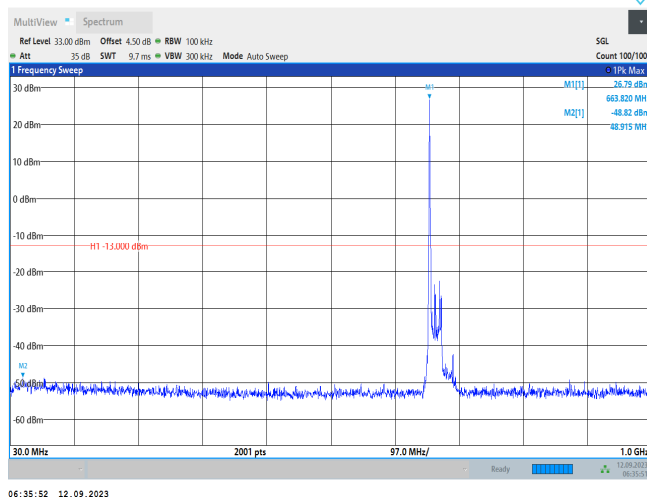
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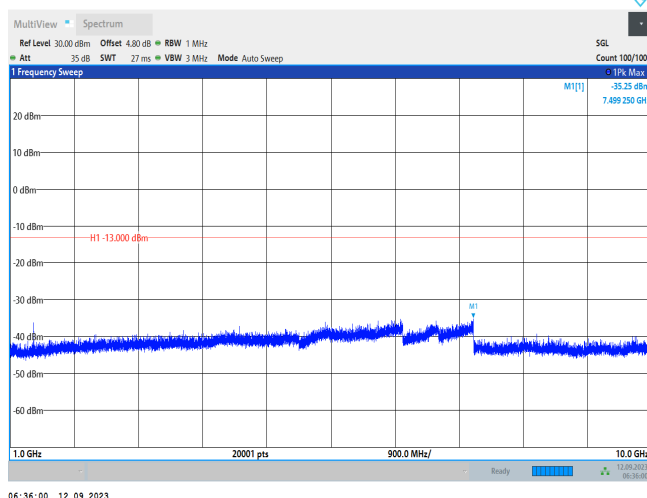
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



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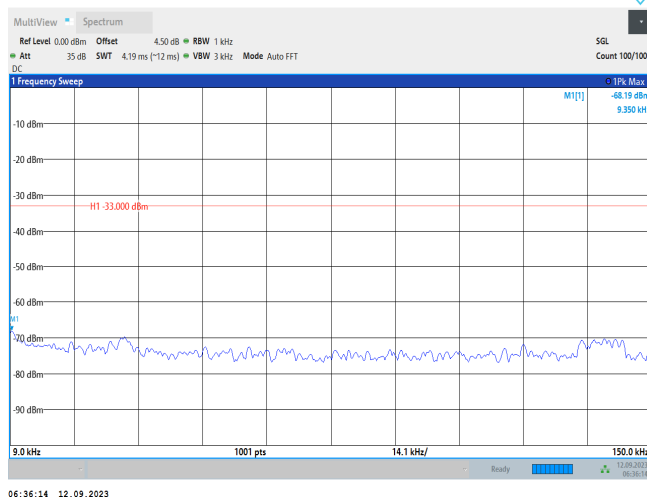
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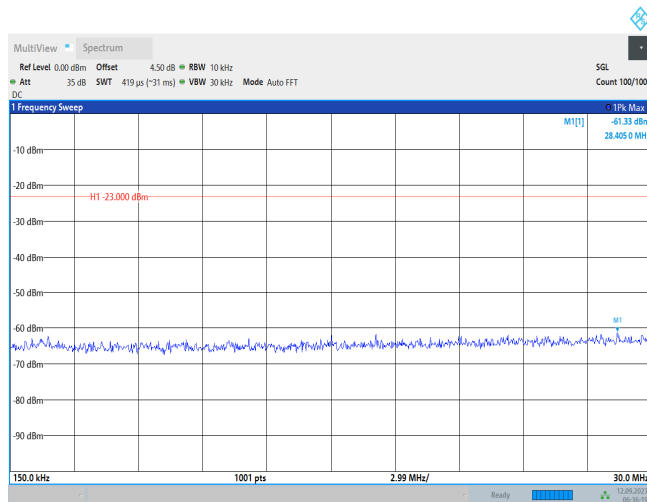
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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Band71-20MHz-QPSK-133322-1RB#0-Range2:0.15~30MHz



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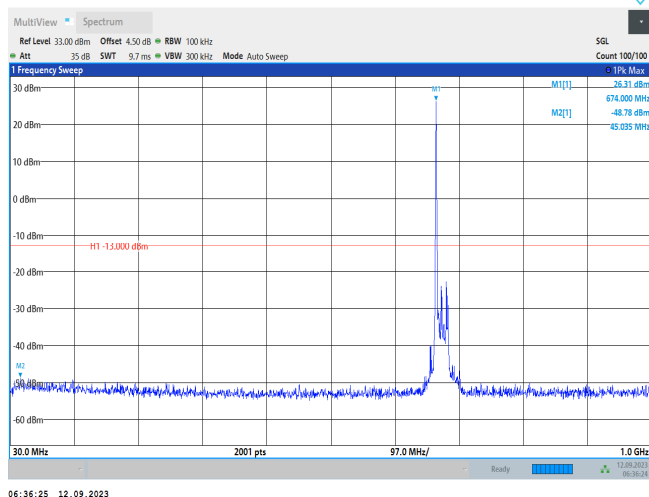
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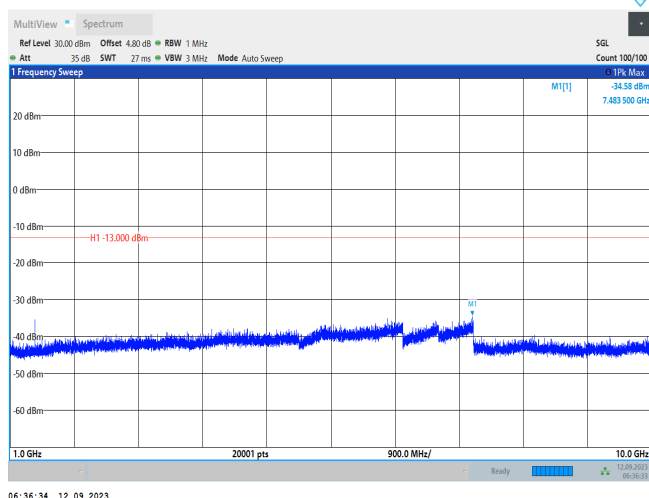
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133322-1RB#0-Range4:1000~10000MHz



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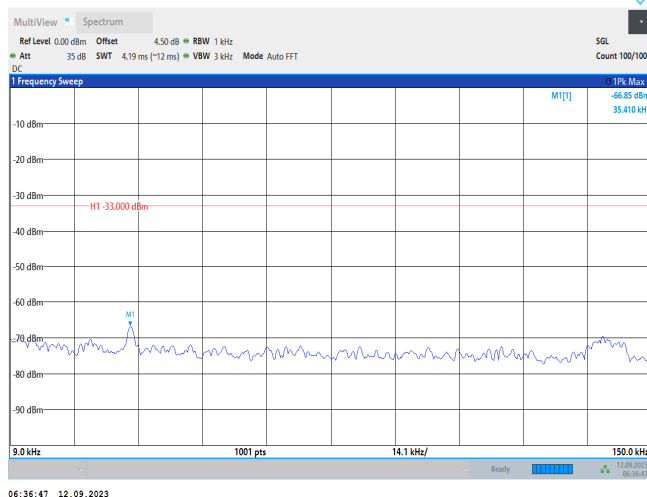
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



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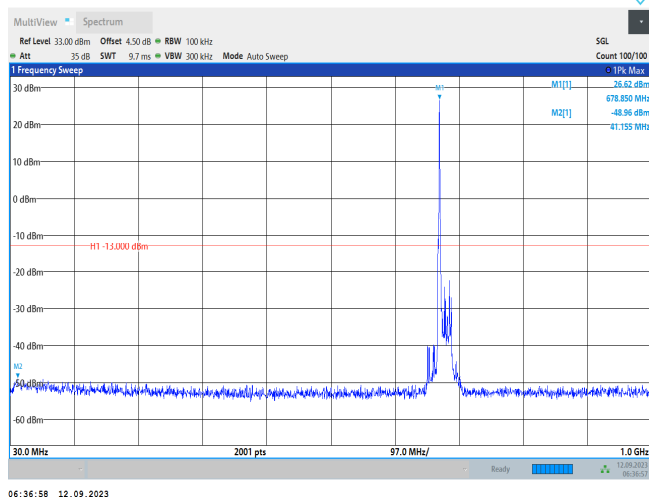
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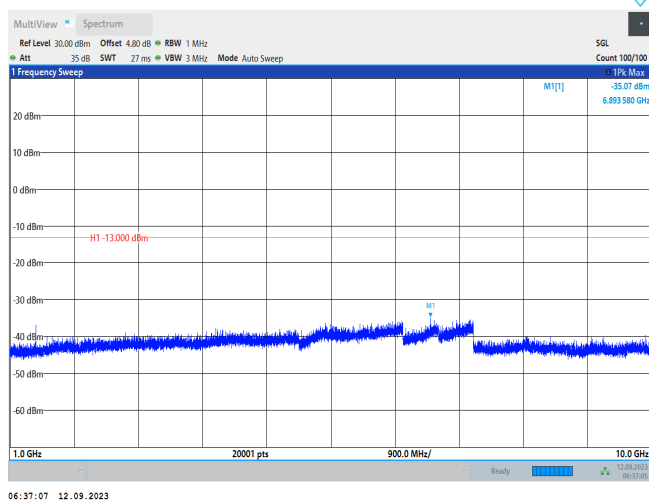
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 71_20MHz_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	51.75	-50.10	24.44	-69.16	-13.00	56.16	Horizontal
2	1992.27	45.16	-49.68	26.67	-73.11	-13.00	60.11	Horizontal
3	2656.36	45.15	-49.07	27.68	-71.51	-13.00	58.51	Horizontal
4	3320.45	44.52	-48.64	28.63	-70.75	-13.00	57.75	Horizontal
5	3984.54	43.75	-48.36	29.38	-70.49	-13.00	57.49	Horizontal
6	4648.63	43.99	-48.06	30.66	-68.67	-13.00	55.67	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.18	50.62	-50.10	24.44	-70.29	-13.00	57.29	Vertical
2	1992.27	45.59	-49.68	26.67	-72.68	-13.00	59.68	Vertical
3	2656.36	44.74	-49.07	27.68	-71.92	-13.00	58.92	Vertical
4	3320.45	45.57	-48.64	28.63	-69.70	-13.00	56.70	Vertical
5	3984.54	43.94	-48.36	29.38	-70.30	-13.00	57.30	Vertical
6	4648.63	44.75	-48.06	30.66	-67.91	-13.00	54.91	Vertical



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Test Band = LTE Band 71_20MHz_TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348	50.37	-50.07	24.40	-70.56	-13.00	57.56	Horizontal
2	2022.27	44.89	-49.62	26.73	-73.27	-13.00	60.27	Horizontal
3	2696.36	44.77	-49.01	27.77	-71.72	-13.00	58.72	Horizontal
4	3370.45	45.15	-48.67	28.65	-70.13	-13.00	57.13	Horizontal
5	4044.54	43.78	-48.31	29.48	-70.31	-13.00	57.31	Horizontal
6	4718.63	42.71	-48.07	30.83	-69.79	-13.00	56.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.18	49.36	-50.07	24.40	-71.57	-13.00	58.57	Vertical
2	2022.27	44.94	-49.62	26.73	-73.22	-13.00	60.22	Vertical
3	2696.36	44.82	-49.01	27.77	-71.67	-13.00	58.67	Vertical
4	3370.45	44.46	-48.67	28.65	-70.82	-13.00	57.82	Vertical
5	4044.54	43.30	-48.31	29.48	-70.79	-13.00	57.79	Vertical
6	4718.63	42.45	-48.07	30.83	-70.05	-13.00	57.05	Vertical



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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号厂房南楼 邮编: 215000

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

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Test Band = LTE Band 71_20MHz_TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358	53.71	-50.06	24.38	-67.23	-13.00	54.23	Horizontal
2	2037.27	45.13	-49.59	26.75	-72.98	-13.00	59.98	Horizontal
3	2716.36	44.72	-48.95	27.82	-71.67	-13.00	58.67	Horizontal
4	3395.45	44.27	-48.69	28.66	-71.02	-13.00	58.02	Horizontal
5	4074.54	43.79	-48.28	29.54	-70.22	-13.00	57.22	Horizontal
6	4753.63	42.47	-48.05	30.91	-69.93	-13.00	56.93	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.18	53.40	-50.06	24.38	-67.54	-13.00	54.54	Vertical
2	2037.27	45.79	-49.59	26.75	-72.32	-13.00	59.32	Vertical
3	2716.36	44.90	-48.95	27.82	-71.49	-13.00	58.49	Vertical
4	3395.45	44.13	-48.69	28.66	-71.16	-13.00	58.16	Vertical
5	4074.54	43.95	-48.28	29.54	-70.06	-13.00	57.06	Vertical
6	4753.63	42.55	-48.05	30.91	-69.85	-13.00	56.85	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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 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.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	4.80	0.007028	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	1.40	0.002050	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	1.80	0.002635	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	2.40	0.003514	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-1.60	-0.002343	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	0.90	0.001318	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	4.60	0.006735	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	1.90	0.002782	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	2.10	0.003075	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-1.20	-0.001757	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-4.80	-0.007028	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-0.80	-0.001171	PASS

---End of Attachment---



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