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# Appendix B.14

## LTE Band 71



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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	23.33	22.28	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.35	22.3	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.26	22.21	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.31	21.26	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.45	22.4	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.4	22.35	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.33	22.28	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.32	21.27	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.36	22.31	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.23	22.18	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.2	22.15	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.19	21.14	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.38	21.33	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.62	21.57	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.22	21.17	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.31	20.26	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.42	21.37	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.66	21.61	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.45	21.4	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.41	20.36	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.36	21.31	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.55	21.5	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.22	21.17	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.21	20.16	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.46	20.41	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.68	20.63	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.52	20.47	34.77	PASS



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

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Band71	5MHz	64QAM	133147	25RB#0	20.34	19.29	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.57	20.52	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.56	20.51	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.61	20.56	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.39	19.34	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.34	20.29	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.65	20.6	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.52	20.47	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.25	19.2	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	18.23	17.18	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	18.53	17.48	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	18.29	17.24	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	18.34	17.29	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	18.48	17.43	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	18.59	17.54	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	18.31	17.26	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	18.44	17.39	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	18.33	17.28	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	18.28	17.23	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	18.29	17.24	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	18.23	17.18	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.33	22.28	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.25	22.2	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.16	22.11	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.37	21.32	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.36	22.31	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.46	22.41	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.19	22.14	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.37	21.32	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.55	22.5	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.23	22.18	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.11	22.06	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.33	21.28	34.77	PASS



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Band71	10MHz	16QAM	133172	1RB#24	22.28	21.23	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.32	21.27	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.39	20.34	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.27	21.22	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.57	21.52	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.4	21.35	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.44	20.39	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.38	21.33	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.36	21.31	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.24	21.19	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.24	20.19	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.7	20.65	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.49	20.44	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.39	20.34	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.33	19.28	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.53	20.48	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.76	20.71	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.28	20.23	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.38	19.33	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.41	20.36	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.43	20.38	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.25	20.2	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.29	19.24	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	18.42	17.37	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	18.51	17.46	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	18.34	17.29	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	18.32	17.27	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	18.49	17.44	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	18.71	17.66	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	18.44	17.39	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	18.36	17.31	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	18.33	17.28	34.77	PASS



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Band71	10MHz	256QAM	133422	1RB#49	18.33	17.28	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	18.3	17.25	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.24	22.19	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.07	22.02	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.44	22.39	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.34	21.29	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.33	22.28	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.21	22.16	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.94	21.89	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.25	21.2	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.52	21.47	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.96	21.91	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.06	22.01	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.22	21.17	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.24	21.19	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.28	21.23	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.21	21.16	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.15	20.1	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.07	21.02	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.34	21.29	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.13	21.08	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.26	20.21	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.21	21.16	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.97	20.92	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.19	21.14	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.19	20.14	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.35	20.3	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.18	20.13	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.33	20.28	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.25	19.2	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.34	20.29	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.35	20.3	34.77	PASS



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Band71	15MHz	64QAM	133297	75RB#0	20.27	19.22	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.39	20.34	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.22	20.17	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.23	20.18	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.23	19.18	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	18.14	17.09	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	18.23	17.18	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	18.55	17.5	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	18.26	17.21	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	18.18	17.13	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	18.43	17.38	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	18.36	17.31	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	18.24	17.19	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	18.25	17.2	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	18.23	17.18	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	18.32	17.27	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	18.24	17.19	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.08	22.03	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.07	22.02	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.23	22.18	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.29	21.24	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.52	22.47	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.13	22.08	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.95	21.9	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.32	21.27	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.35	22.3	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23	21.95	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.28	22.23	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.24	21.19	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.27	21.22	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.51	21.46	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.16	21.11	34.77	PASS



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Band71	20MHz	16QAM	133222	100RB#0	21.3	20.25	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.28	21.23	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.21	21.16	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.03	20.98	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.24	20.19	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.46	21.41	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.09	21.04	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22	20.95	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.27	20.22	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.26	20.21	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.19	20.14	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.28	20.23	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.25	19.2	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.36	20.31	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.29	20.24	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	20.85	19.8	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.31	19.26	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.36	20.31	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.43	20.38	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.07	20.02	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.27	19.22	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	18.22	17.17	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	17.93	16.88	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	18.36	17.31	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	18.31	17.26	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	18.37	17.32	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	18.31	17.26	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	18.25	17.2	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	18.2	17.15	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	18.55	17.5	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	18.19	17.14	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	18.18	17.13	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	18.19	17.14	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	5.18	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.06	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.16	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.00	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.98	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.10	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.54	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.52	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.50	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.86	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.76	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.84	13	PASS



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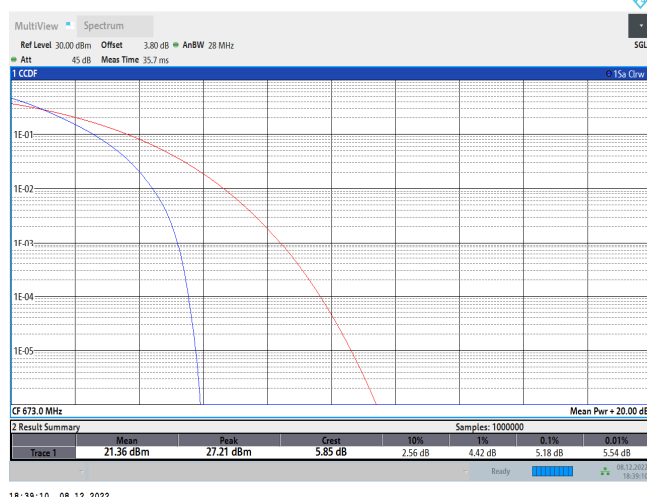
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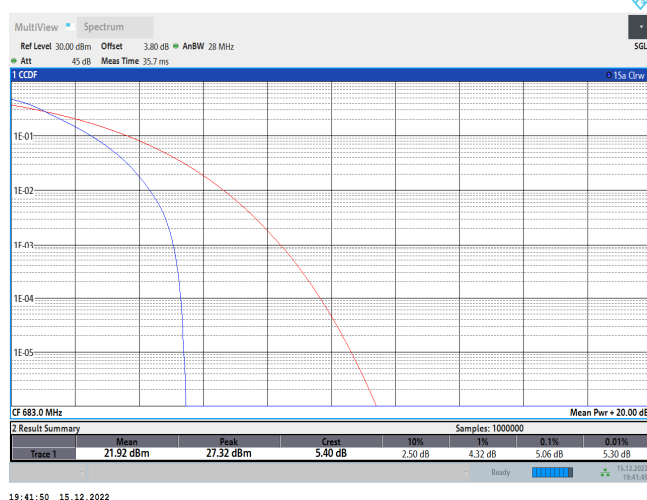
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## Test Graphs

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



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



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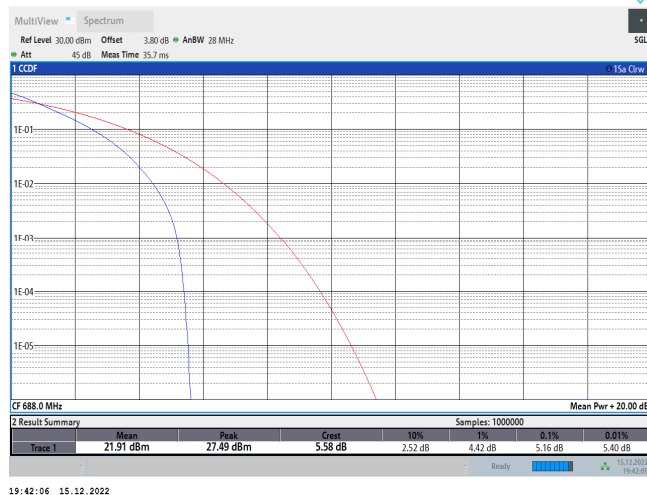
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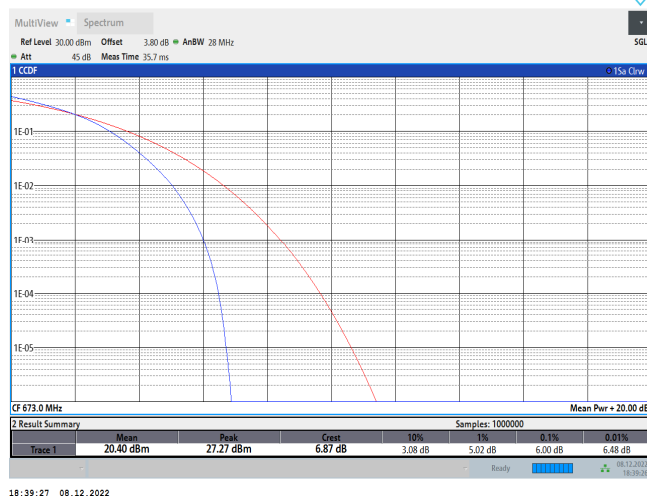
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### Band71-20MHz-QPSK-133372-100RB#0



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



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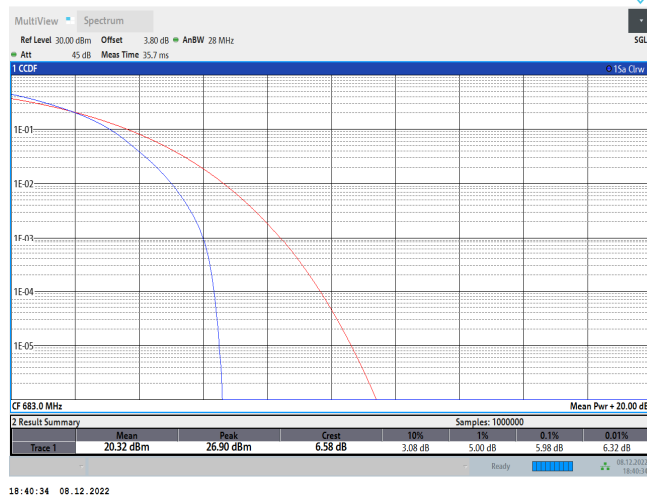
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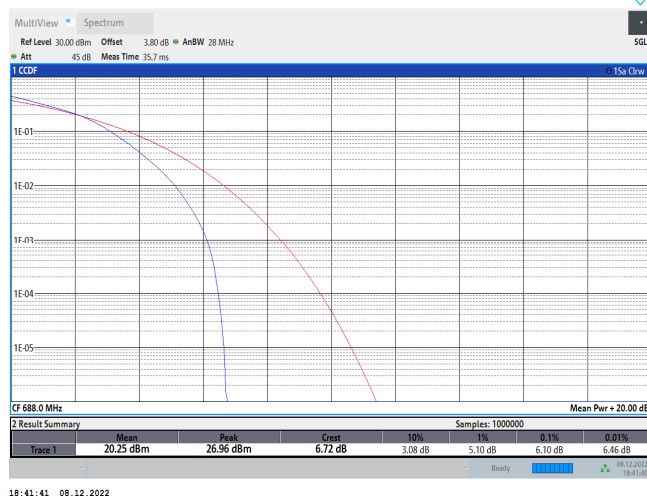
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### Band71-20MHz-16QAM-133322-100RB#0



18:40:34 08.12.2022

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



18:41:41 08.12.2022



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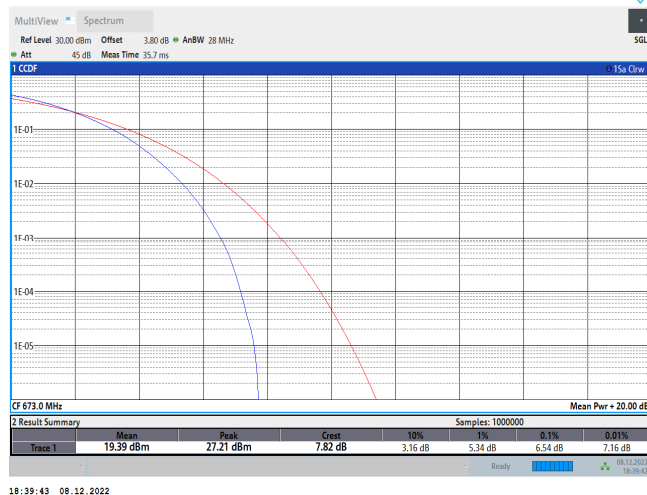
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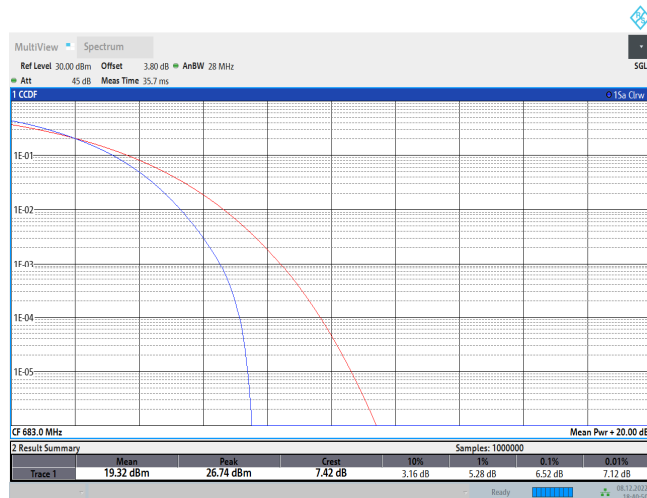
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### Band71-20MHz-64QAM-133222-100RB#0



18:39:43 08.12.2022

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



18:40:50 08.12.2022



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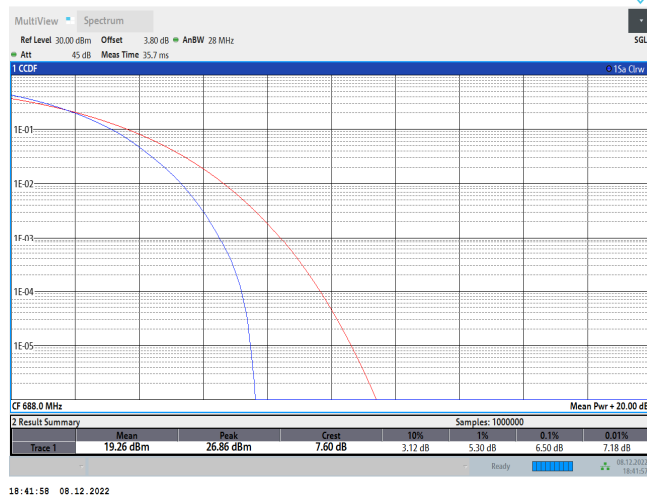


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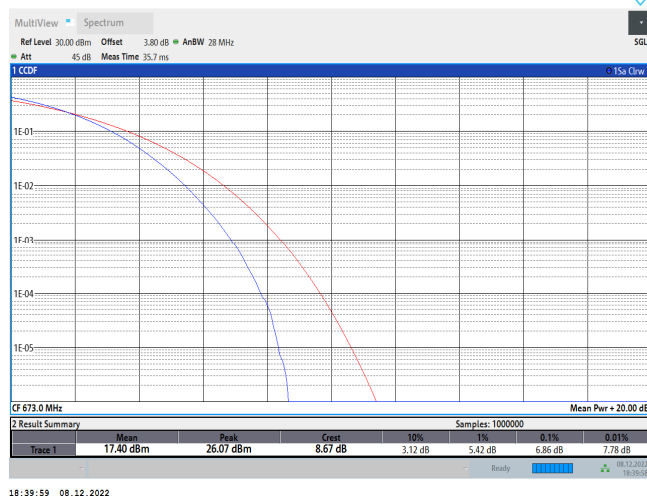
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### Band71-20MHz-64QAM-133372-100RB#0



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



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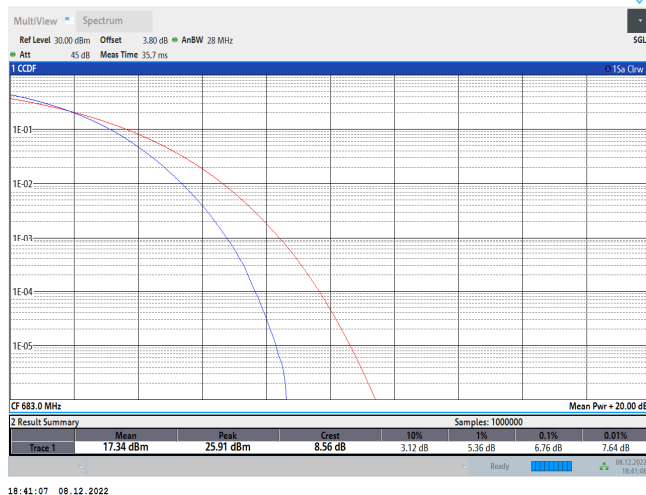
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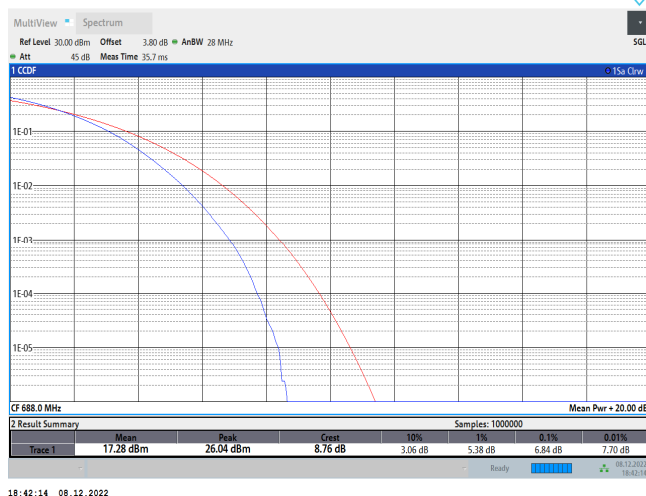
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## Band71-20MHz-256QAM-133322-100RB#0



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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band71	20MHz	QPSK	133322	100RB#0	PASS	PASS
Band71	20MHz	16QAM	133322	100RB#0	PASS	PASS
Band71	20MHz	64QAM	133322	100RB#0	PASS	PASS
Band71	20MHz	256QAM	133322	100RB#0	PASS	PASS



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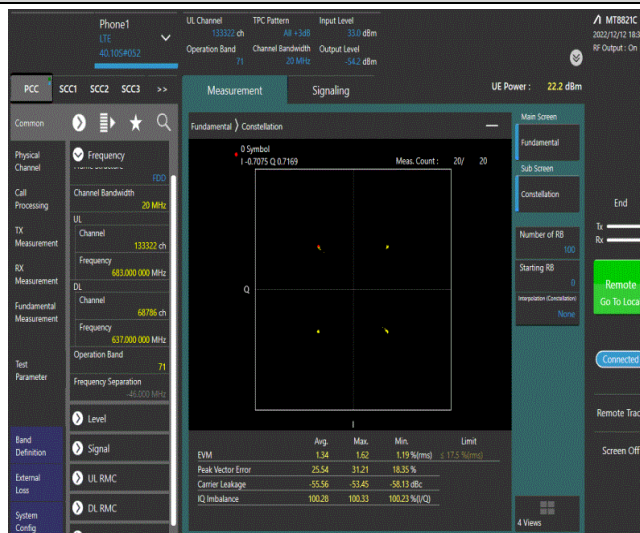
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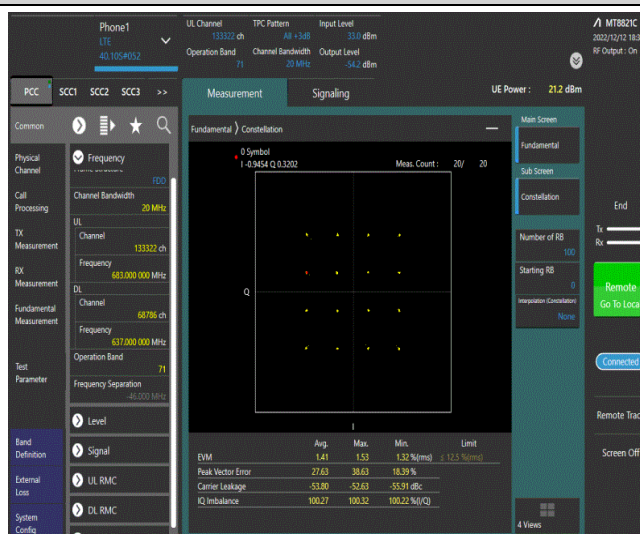
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## Test Graphs

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



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



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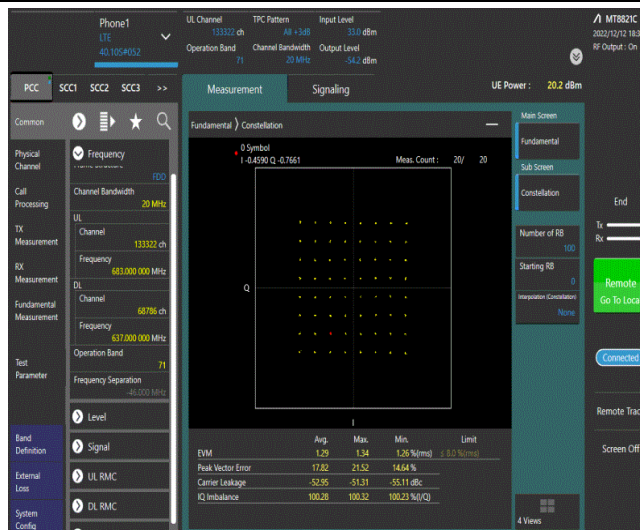
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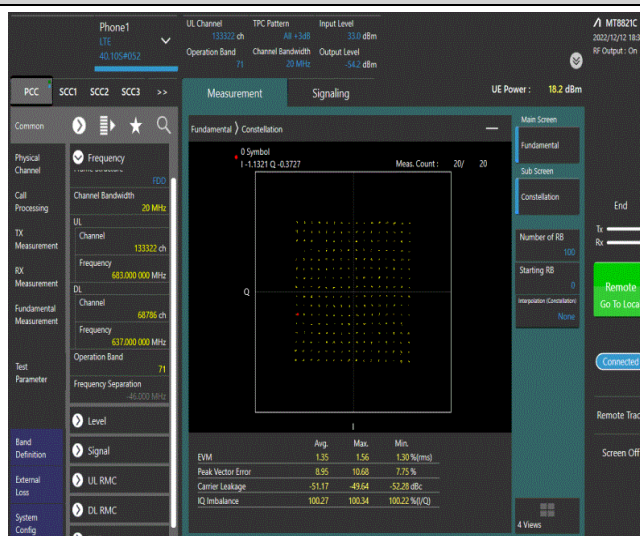
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### Band71-20MHz-64QAM-133322-100RB#0



### Band71-20MHz-256QAM-133322-100RB#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	4.475	4.98	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.475	5.04	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.47	5.01	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.473	4.98	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.473	5.03	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.479	5.00	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.47	5.05	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.476	5.05	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.473	5.11	PASS
Band71	5MHz	256QAM	133147	25RB#0	4.47	5.03	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.477	5.09	PASS
Band71	5MHz	256QAM	133447	25RB#0	4.466	5.02	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.909	9.74	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.904	9.78	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.924	9.80	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.918	10.02	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.899	9.82	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.934	9.78	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.915	9.78	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.923	9.64	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.935	9.70	PASS
Band71	10MHz	256QAM	133172	50RB#0	8.908	9.78	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.915	9.82	PASS
Band71	10MHz	256QAM	133422	50RB#0	8.923	9.76	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.485	15.03	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.393	14.91	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.532	15.03	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.478	15.06	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.399	14.82	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.508	15.09	PASS



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Band71	15MHz	64QAM	133197	75RB#0	13.49	14.94	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.4	14.88	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.507	15.03	PASS
Band71	15MHz	256QAM	133197	75RB#0	13.471	15.00	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.379	14.79	PASS
Band71	15MHz	256QAM	133397	75RB#0	13.515	15.06	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.885	19.64	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.83	19.56	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.941	19.80	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.877	19.60	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.827	19.36	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.952	19.68	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.876	19.52	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.821	19.52	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.961	19.64	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.88	19.60	PASS
Band71	20MHz	256QAM	133322	100RB#0	17.816	19.60	PASS
Band71	20MHz	256QAM	133372	100RB#0	17.925	19.72	PASS



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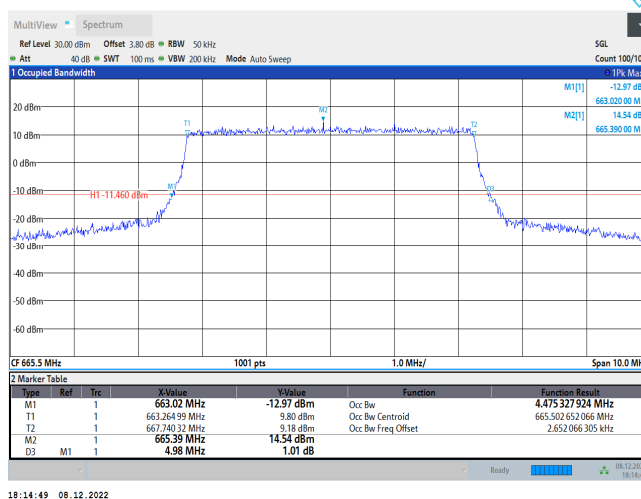
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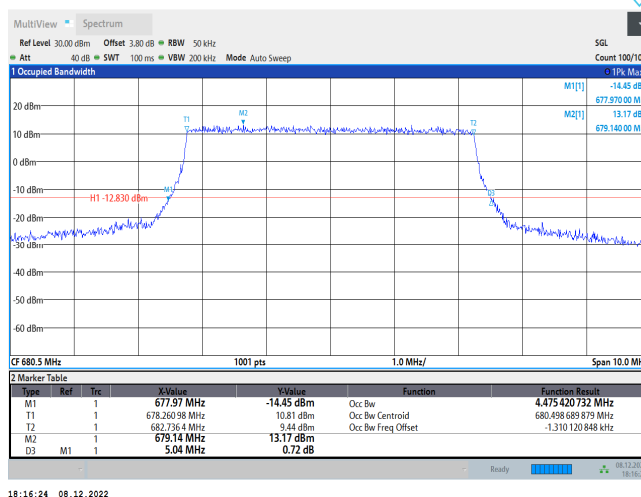
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### Test Graphs

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



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



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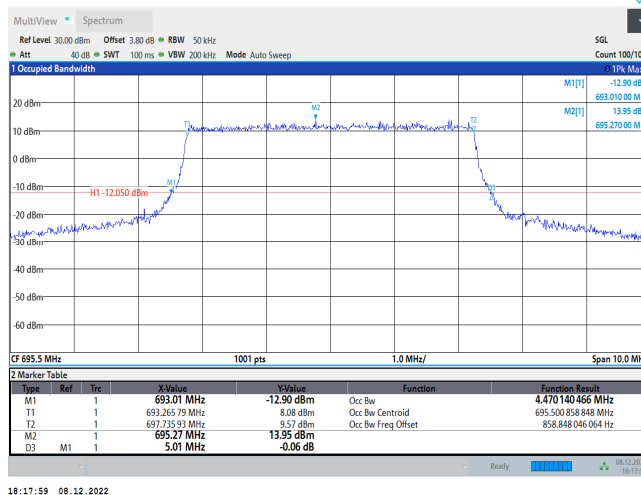
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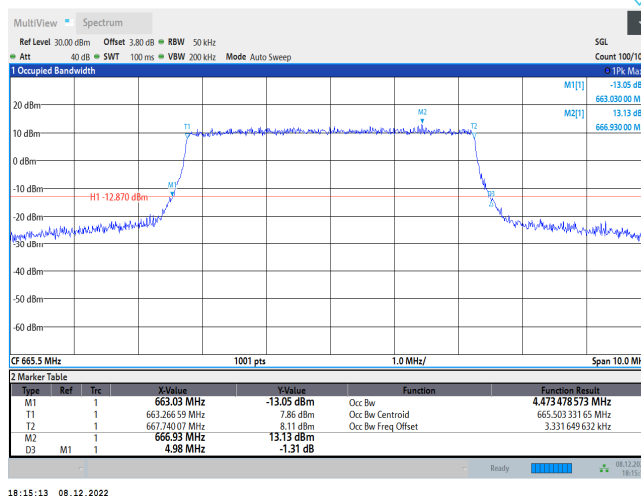
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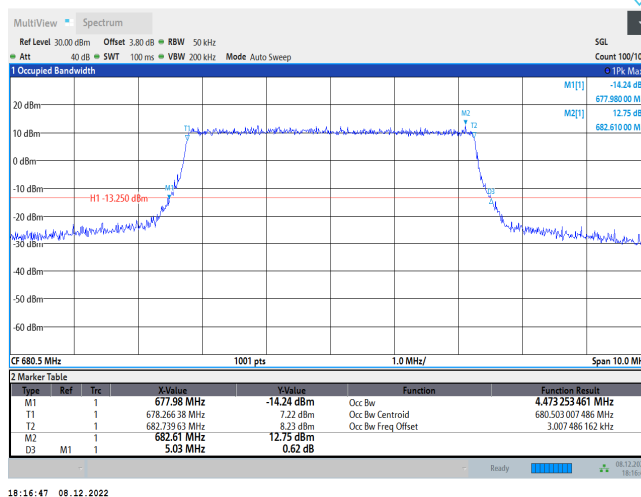
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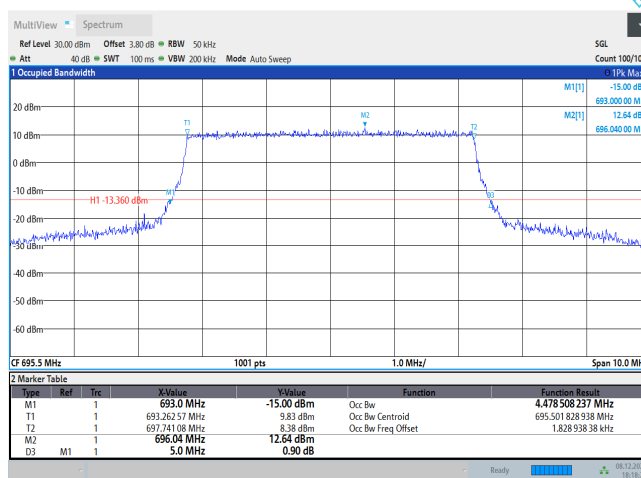
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### Band71-5MHz-16QAM-133297-25RB#0



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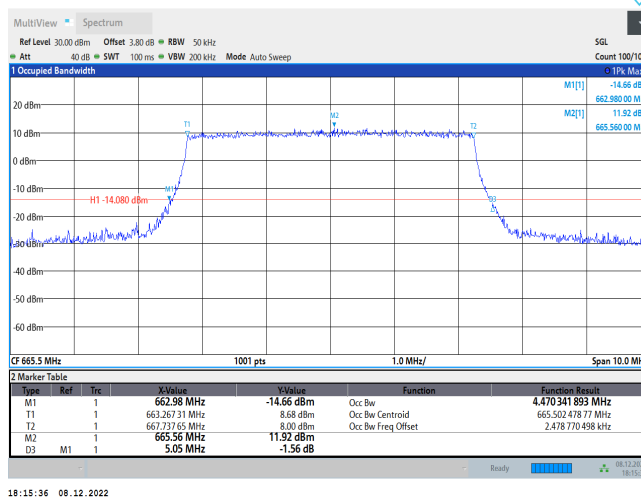


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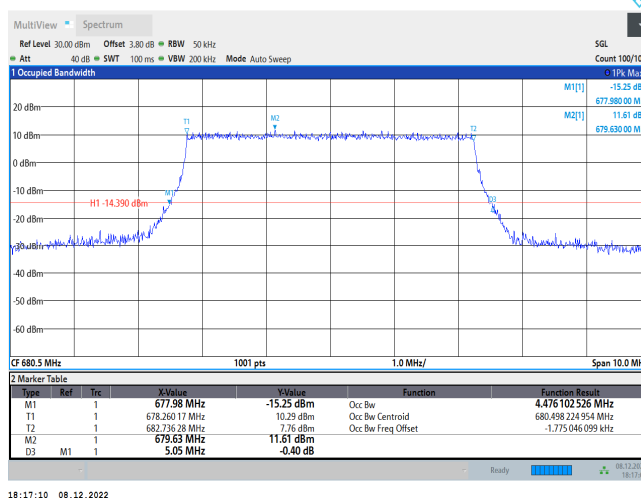
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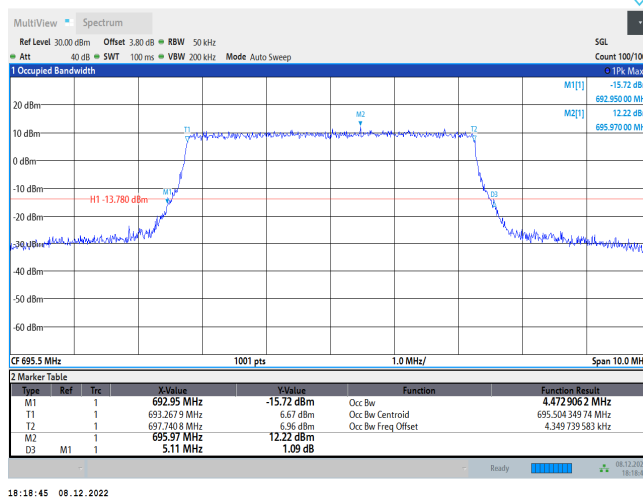
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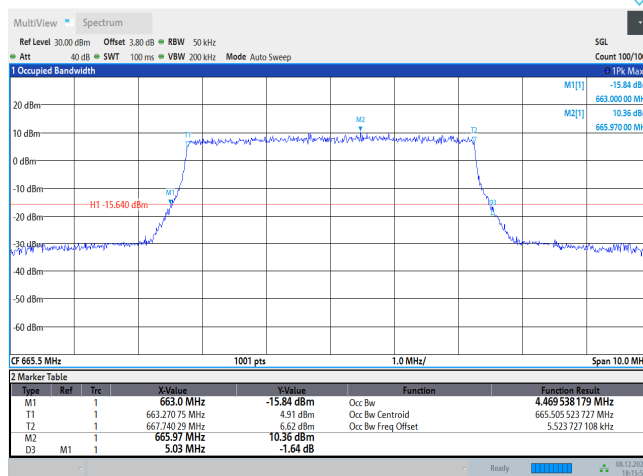
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### Band71-5MHz-64QAM-133447-25RB#0



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### Band71-5MHz-256QAM-133147-25RB#0



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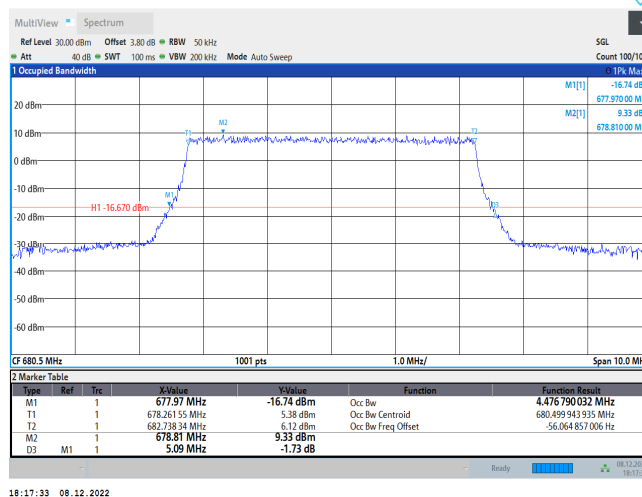
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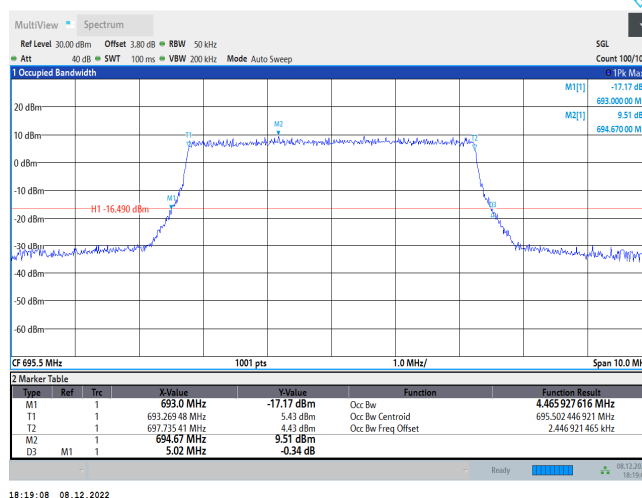
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### Band71-5MHz-256QAM-133297-25RB#0



### Band71-5MHz-256QAM-133447-25RB#0



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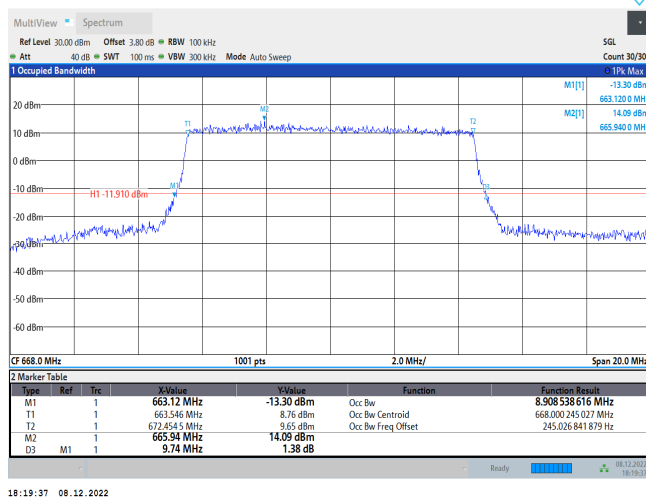
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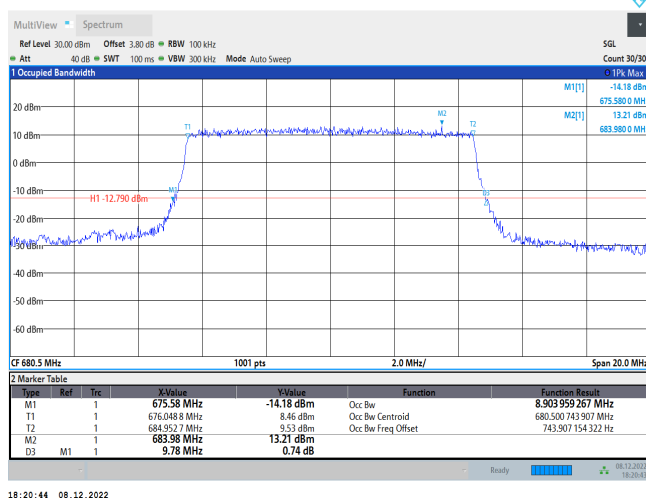
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### Band71-10MHz-QPSK-133172-50RB#0



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



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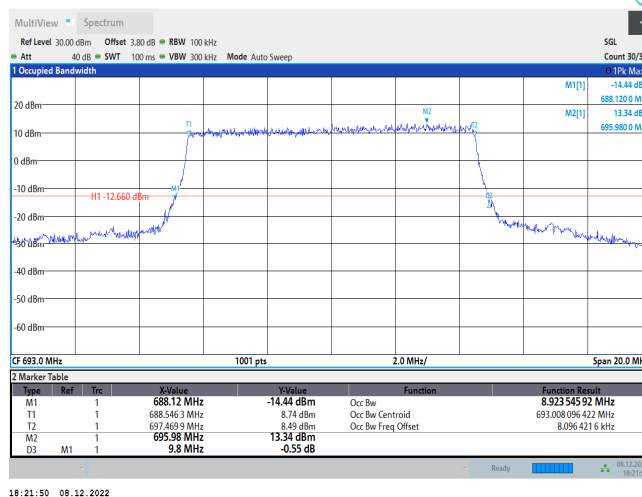
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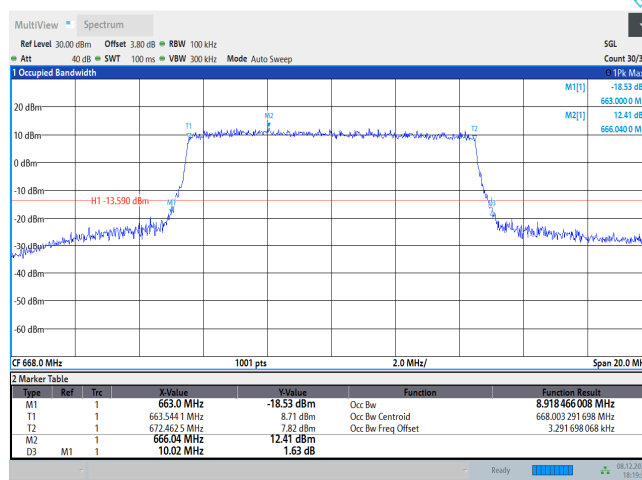
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### Band71-10MHz-QPSK-133422-50RB#0



18:21:50 08.12.2022

### Band71-10MHz-16QAM-133172-50RB#0



18:19:53 08.12.2022



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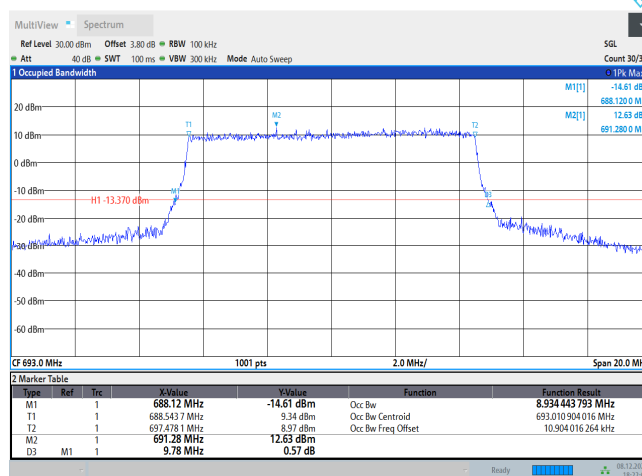
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### Band71-10MHz-16QAM-133297-50RB#0



18:21:00 08.12.2022

### Band71-10MHz-16QAM-133422-50RB#0



18:22:06 08.12.2022



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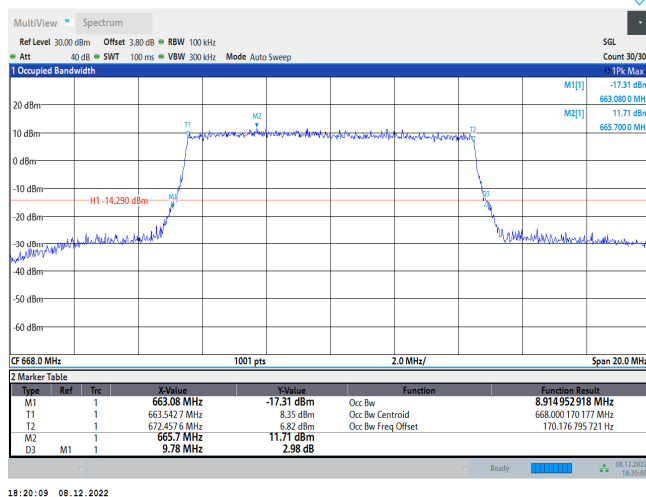
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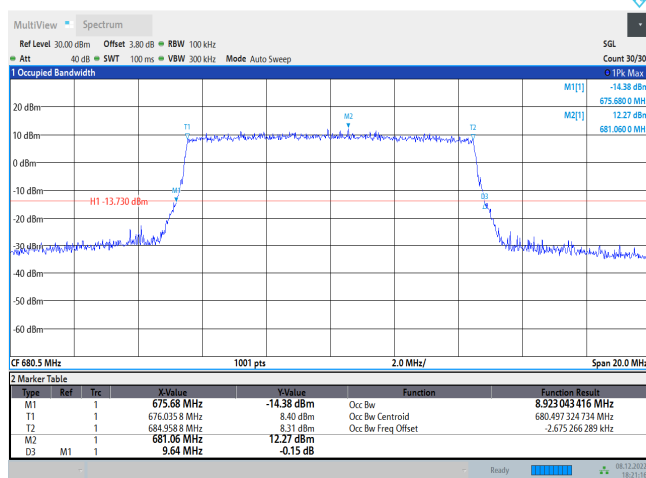
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### Band71-10MHz-64QAM-133172-50RB#0



18:20:09 08.12.2022

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



18:21:16 08.12.2022



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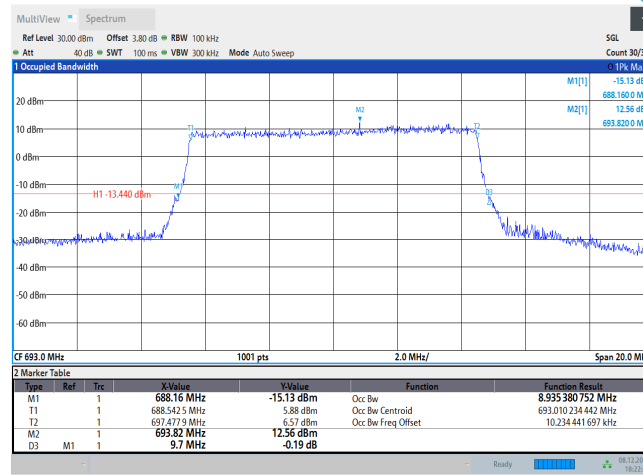
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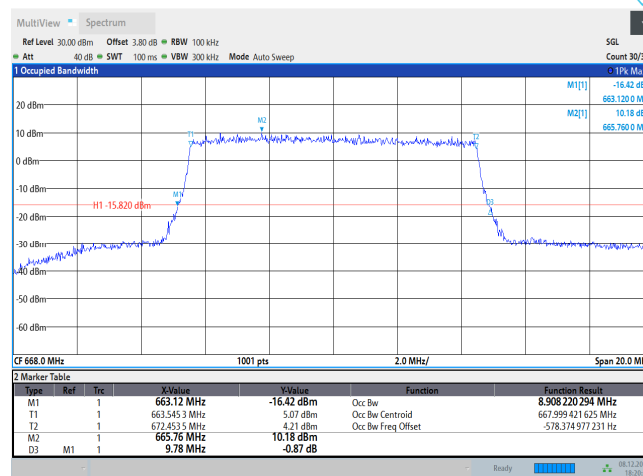
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### Band71-10MHz-64QAM-133422-50RB#0



18:22:22 08.12.2022

### Band71-10MHz-256QAM-133172-50RB#0



18:20:25 08.12.2022



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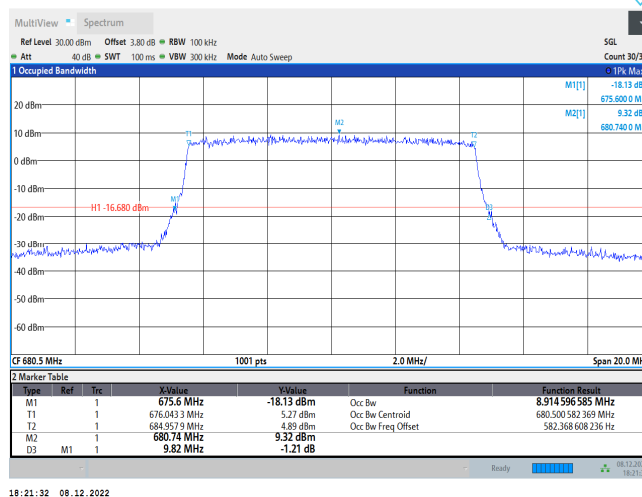
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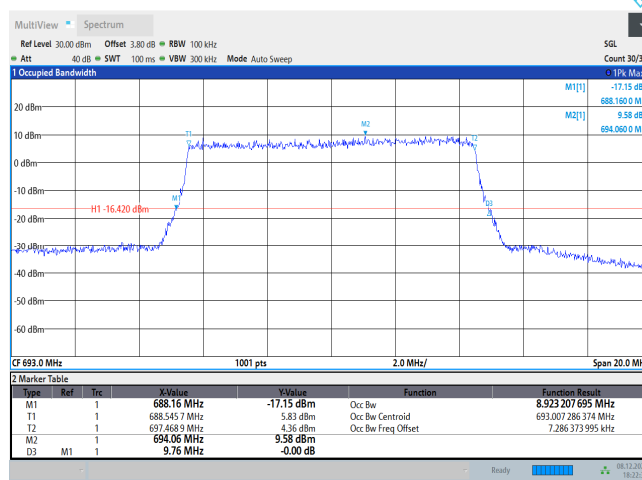
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### Band71-10MHz-256QAM-133297-50RB#0



18:21:32 08.12.2022

### Band71-10MHz-256QAM-133422-50RB#0



18:22:38 08.12.2022



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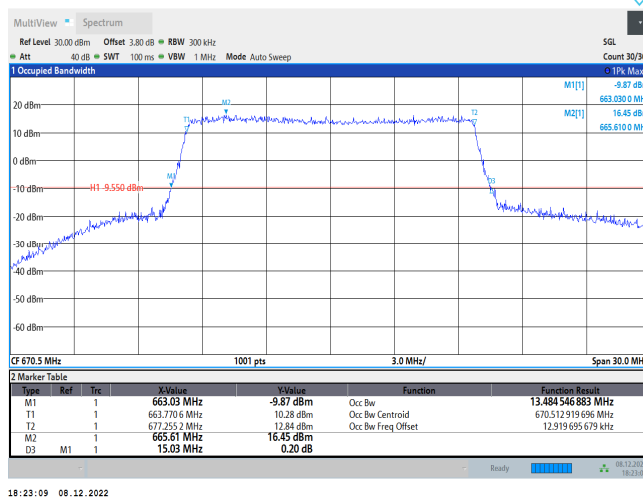
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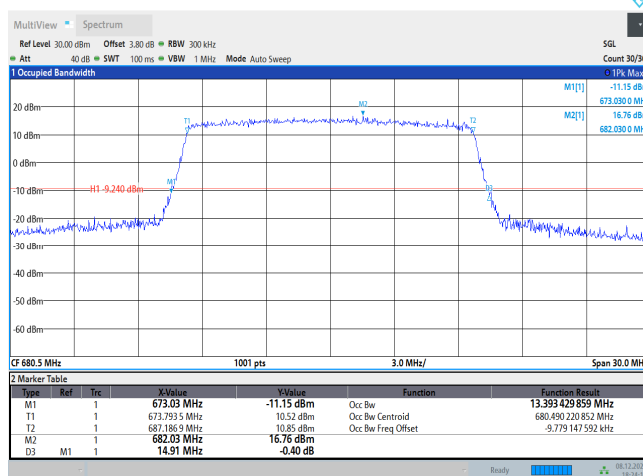
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### Band71-15MHz-QPSK-133197-75RB#0



18:23:09 08.12.2022

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



18:24:16 08.12.2022



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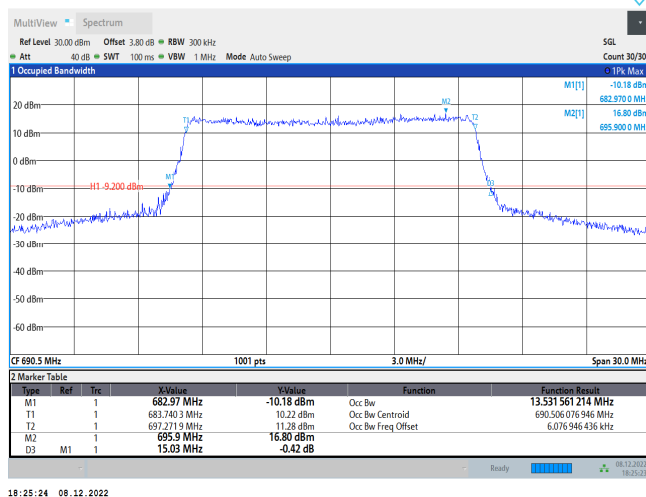


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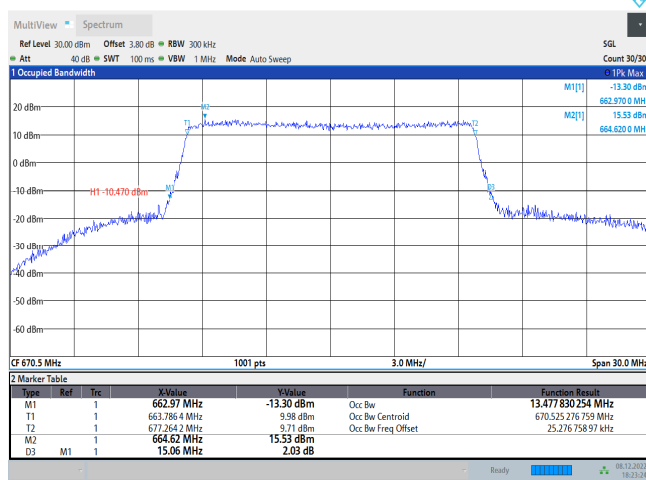
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### Band71-15MHz-QPSK-133397-75RB#0



18:25:24 08.12.2022

### Band71-15MHz-16QAM-133197-75RB#0



18:23:25 08.12.2022



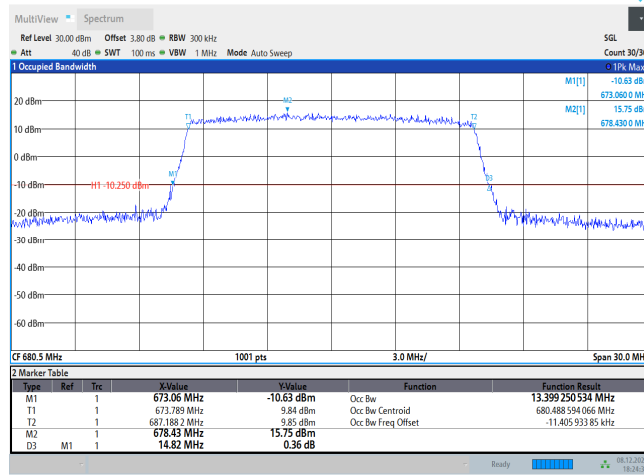
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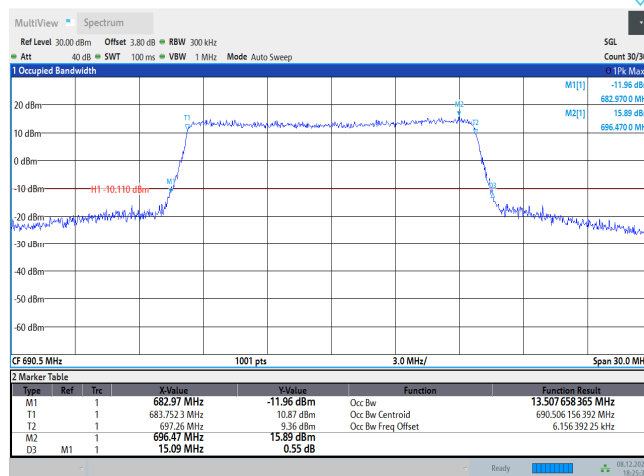
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18:24:32 08.12.2022

### Band71-15MHz-16QAM-133397-75RB#0



18:25:40 08.12.2022



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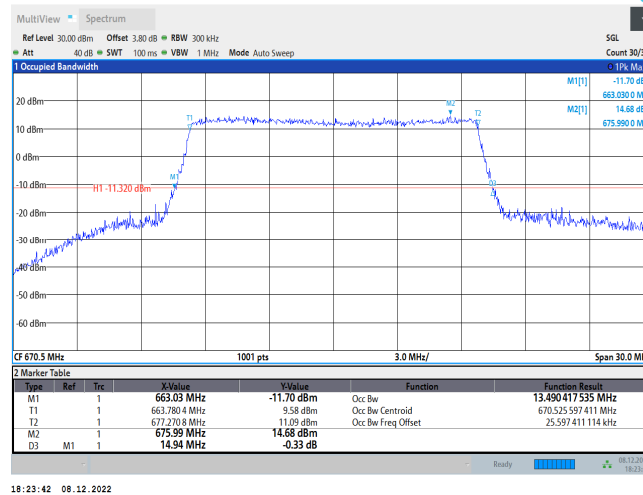
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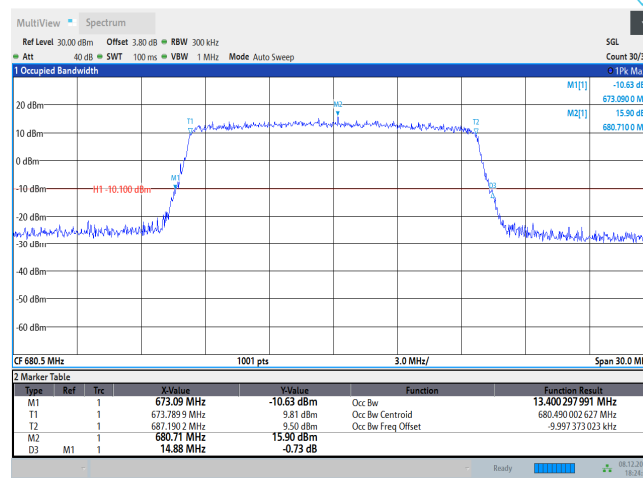
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18:23:42 08.12.2022

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



18:24:49 08.12.2022



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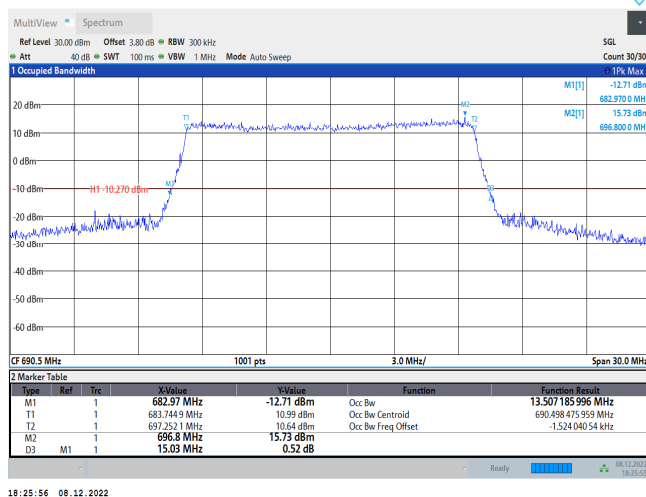
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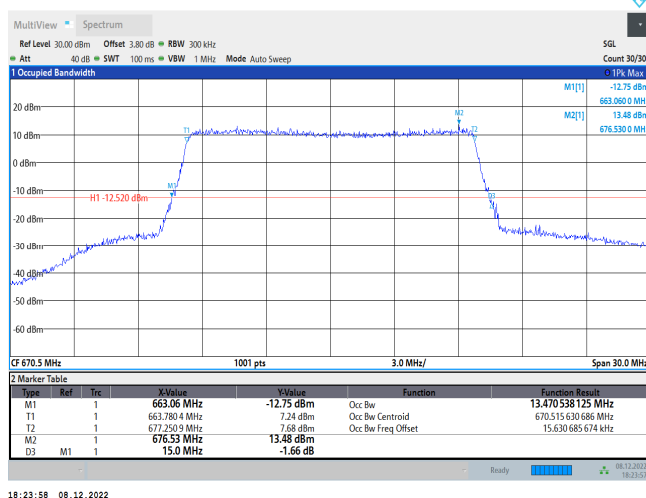
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### Band71-15MHz-64QAM-133397-75RB#0



### Band71-15MHz-256QAM-133197-75RB#0



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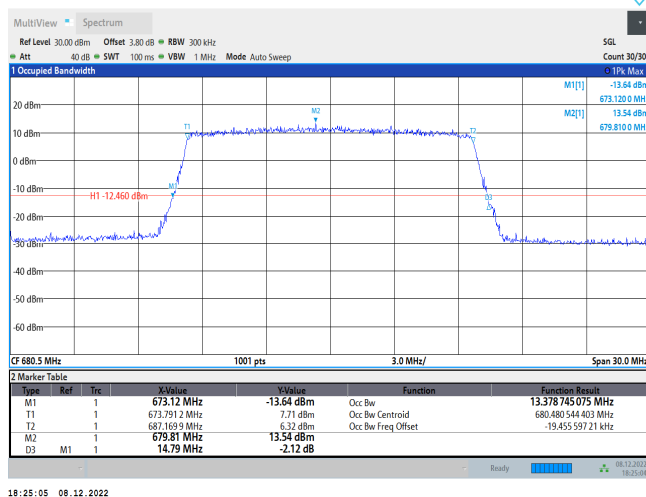
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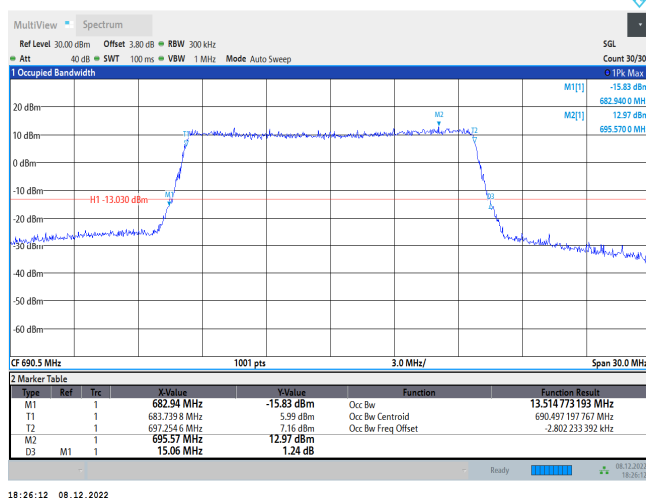
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### Band71-15MHz-256QAM-133297-75RB#0



### Band71-15MHz-256QAM-133397-75RB#0



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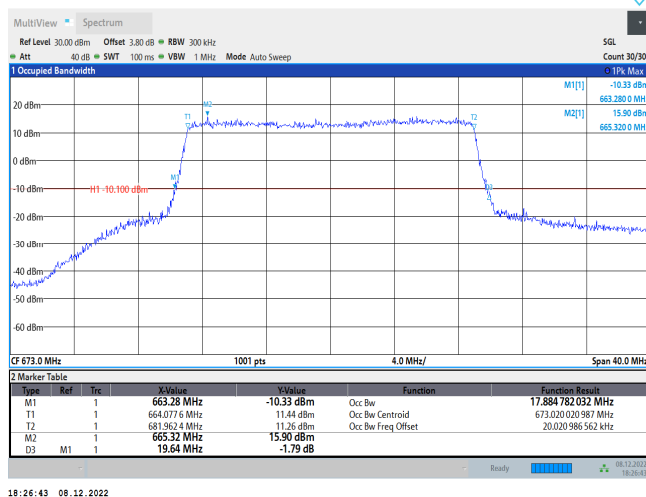


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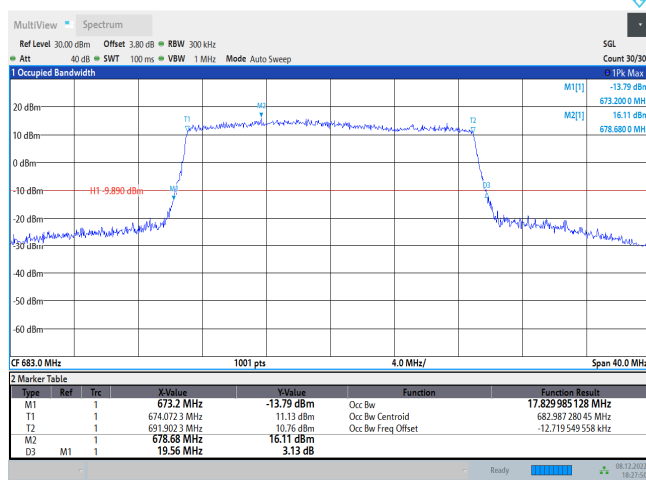
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### Band71-20MHz-QPSK-133222-100RB#0



18:26:43 08.12.2022

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



18:27:51 08.12.2022



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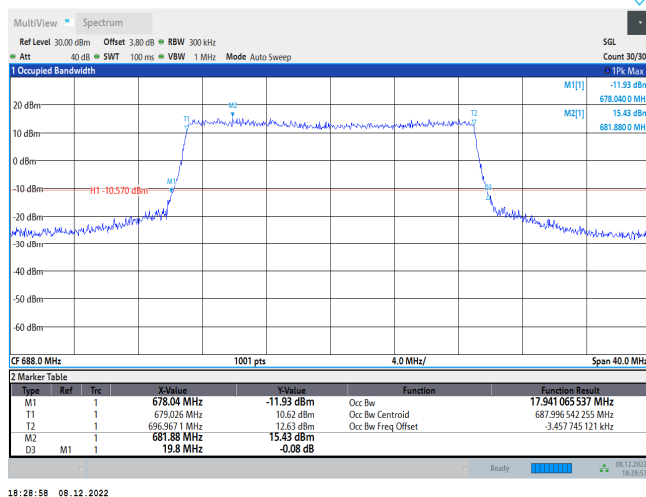
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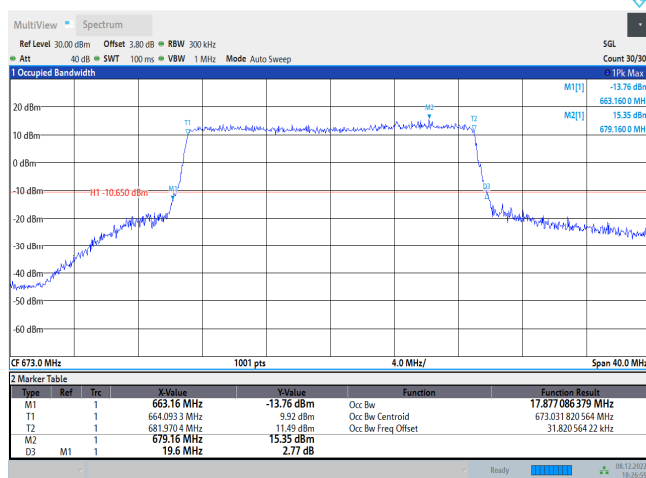
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### Band71-20MHz-QPSK-133372-100RB#0



18:28:58 08.12.2022

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



18:27:00 08.12.2022



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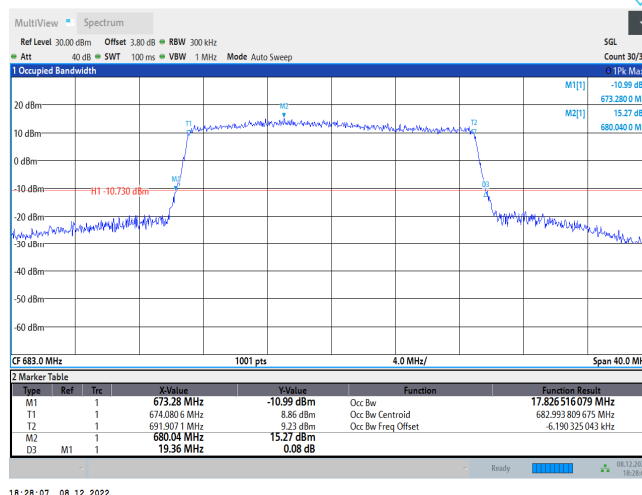
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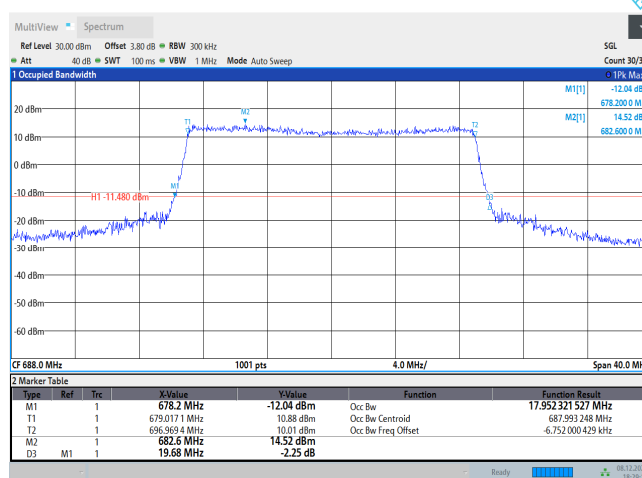
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### Band71-20MHz-16QAM-133322-100RB#0



18:28:07 08.12.2022

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



18:29:14 08.12.2022



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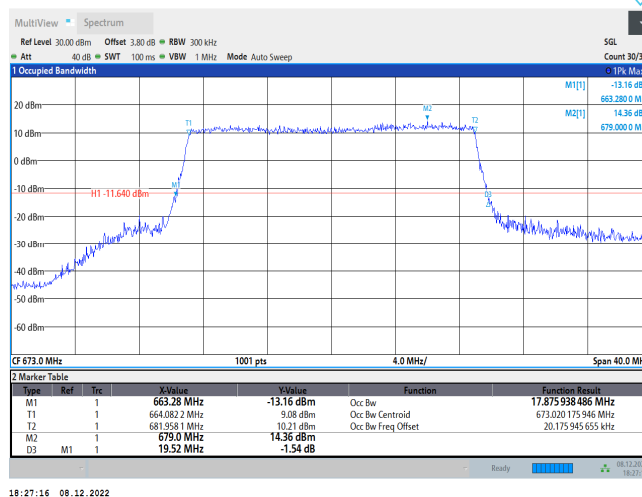
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### Band71-20MHz-64QAM-133222-100RB#0



18:27:16 08.12.2022

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



18:28:23 08.12.2022



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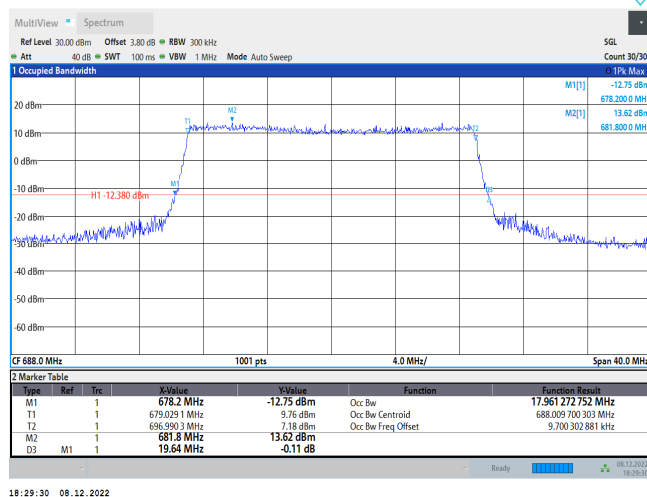
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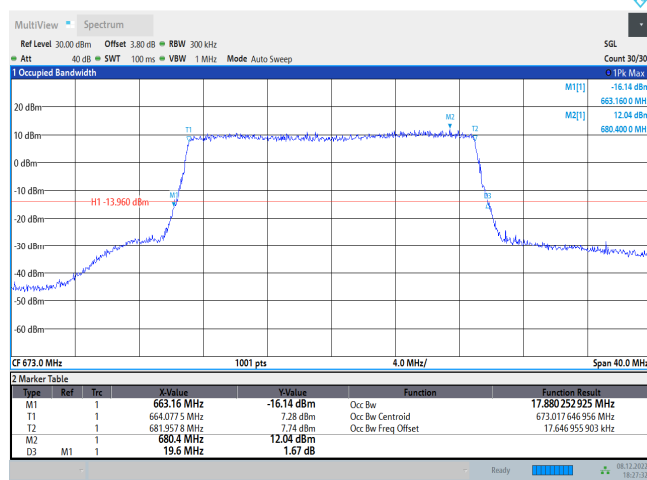
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### Band71-20MHz-64QAM-133372-100RB#0



18:29:30 08.12.2022

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



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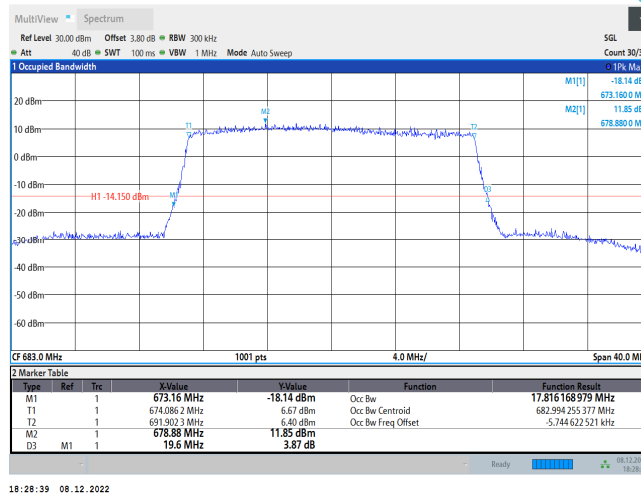


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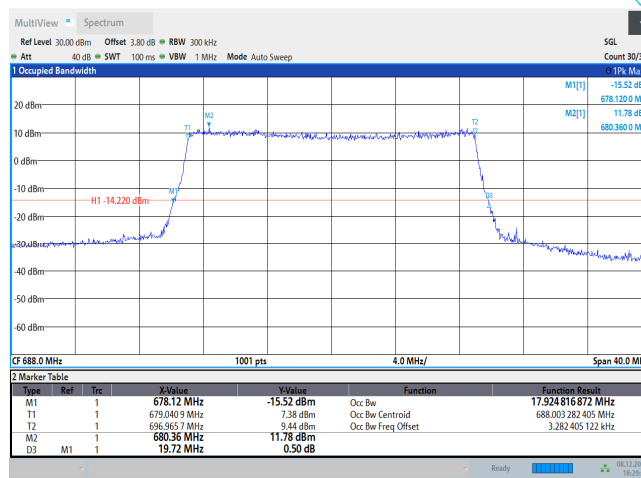
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### Band71-20MHz-256QAM-133322-100RB#0



18:28:39 08.12.2022

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



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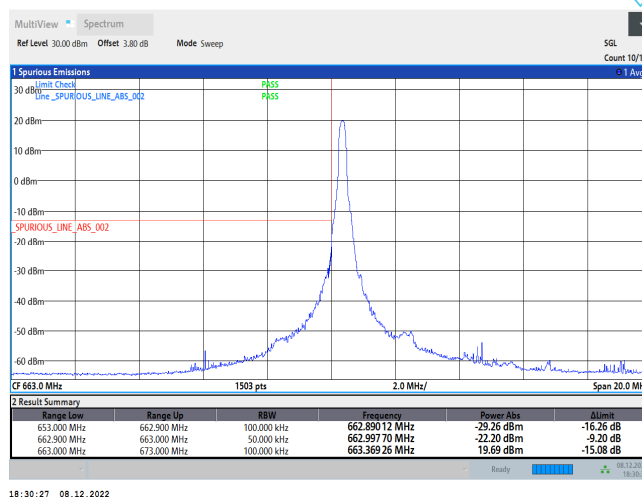
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### Band Edge

### Test Graphs

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



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



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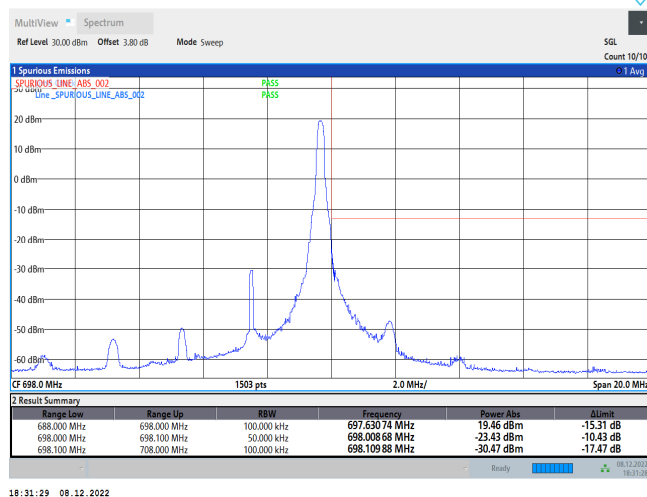
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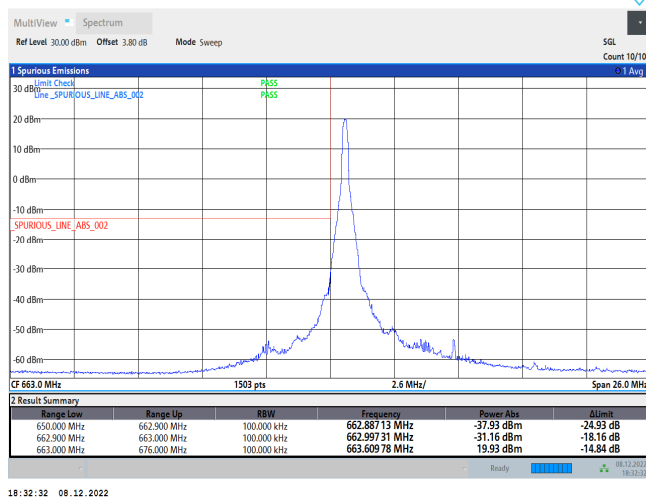
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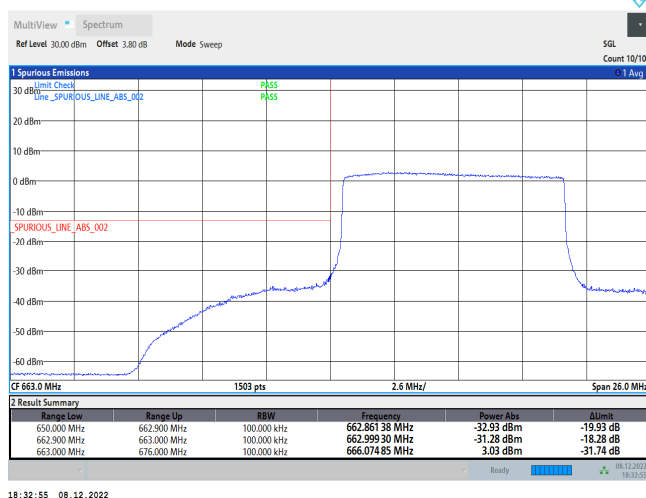
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### Band71-10MHz-QPSK-133172-50RB#0



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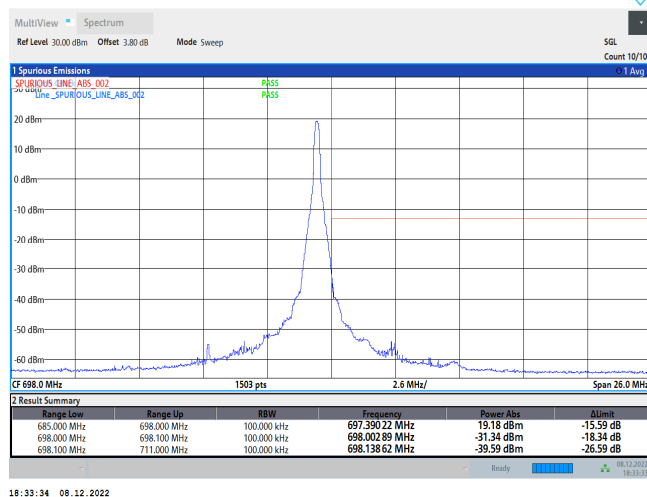
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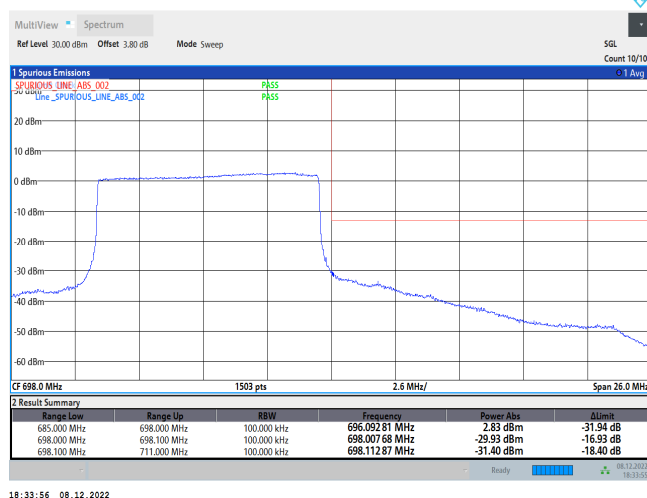
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### Band71-10MHz-QPSK-133422-1RB#49



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



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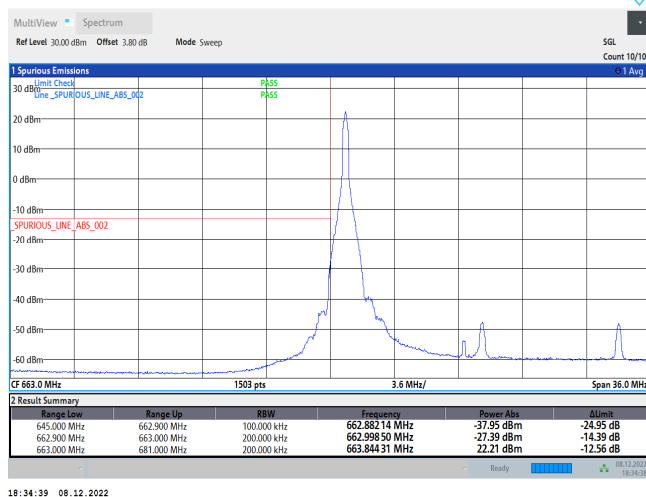


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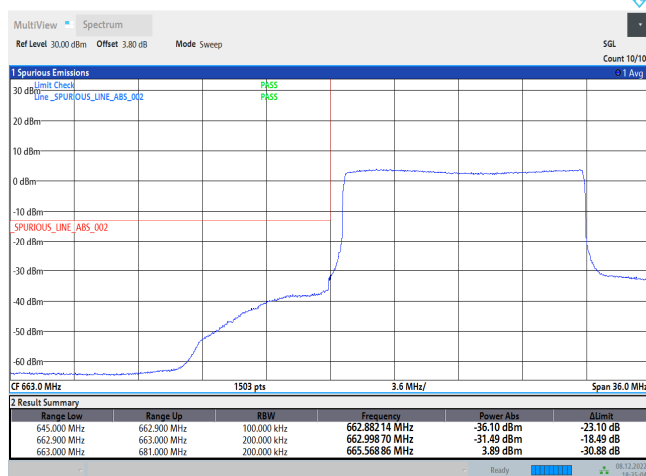
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### Band71-15MHz-QPSK-133197-1RB#0



18:34:39 08.12.2022

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



18:35:05 08.12.2022



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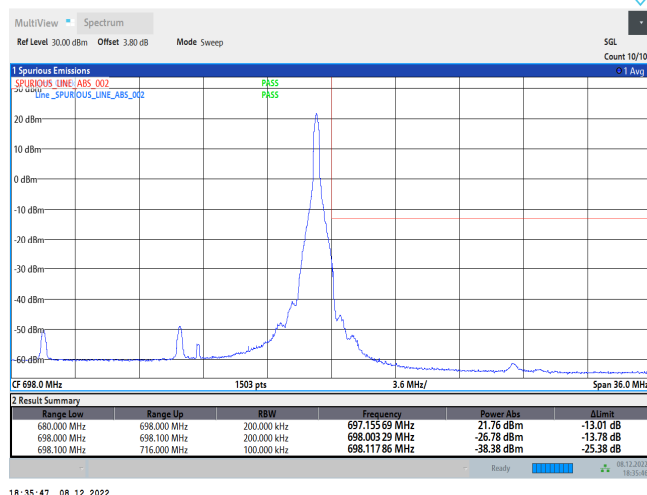
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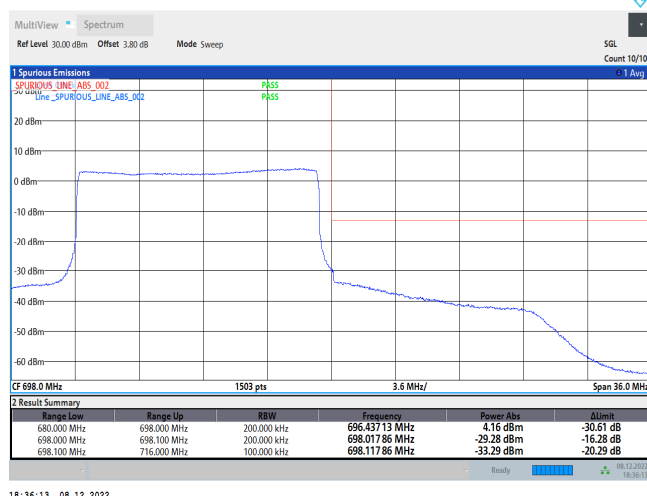
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### Band71-15MHz-QPSK-133397-1RB#74



18:35:47 08.12.2022

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



18:36:13 08.12.2022



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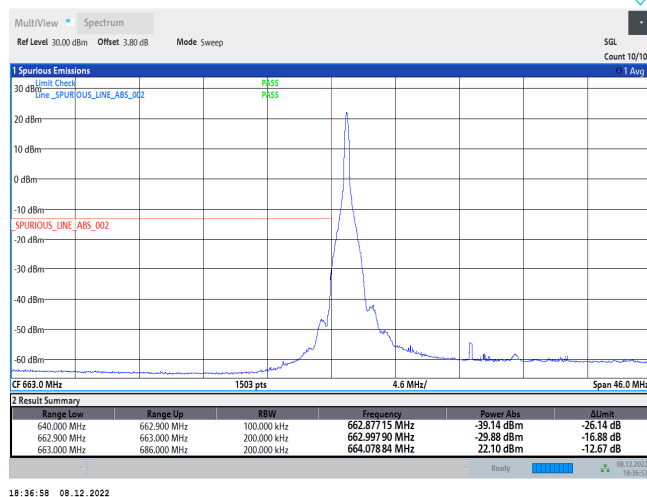
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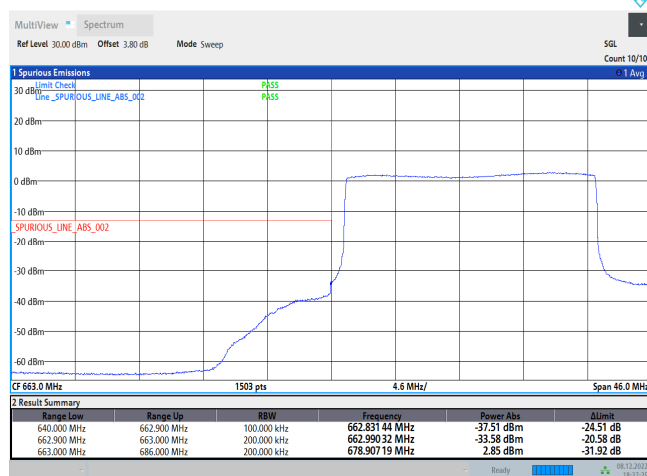
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### Band71-20MHz-QPSK-133222-1RB#0



18:36:58 08.12.2022

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



18:37:26 08.12.2022



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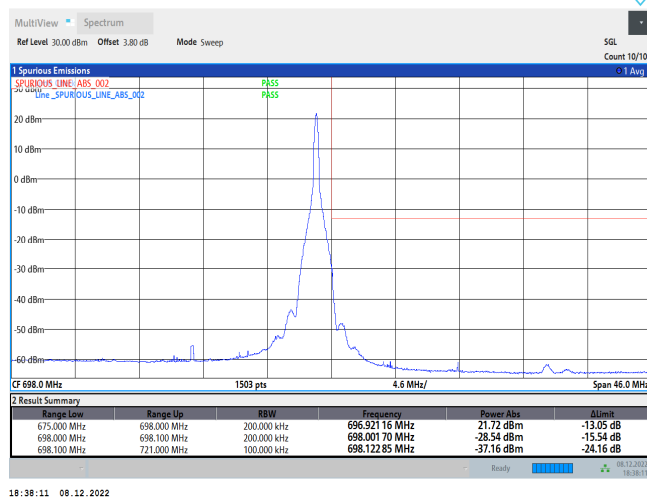
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### Band71-20MHz-QPSK-133372-1RB#99



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



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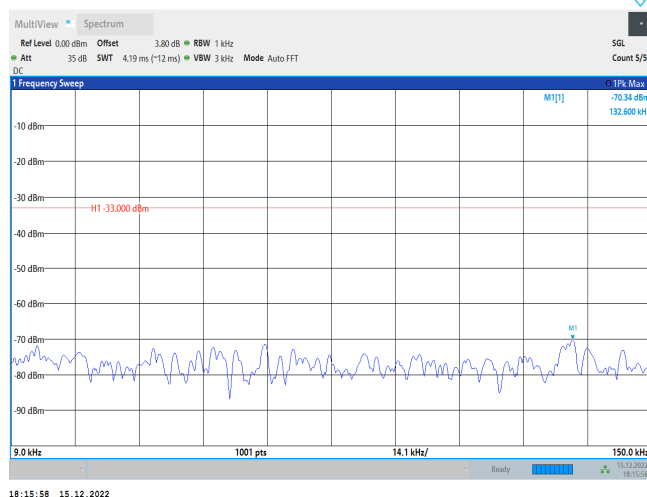
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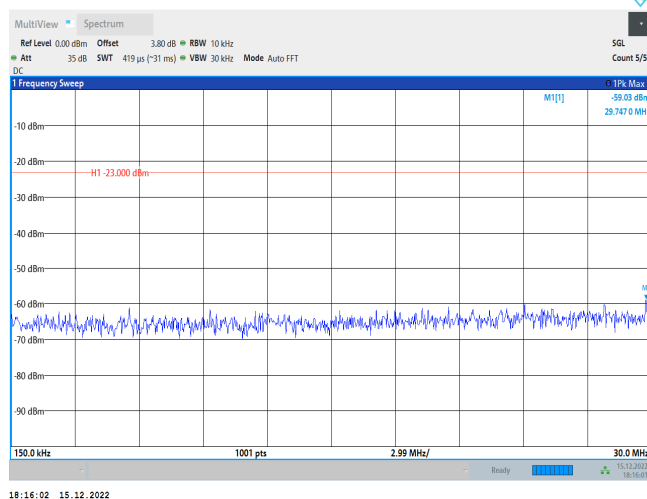
## Conducted Spurious Emission

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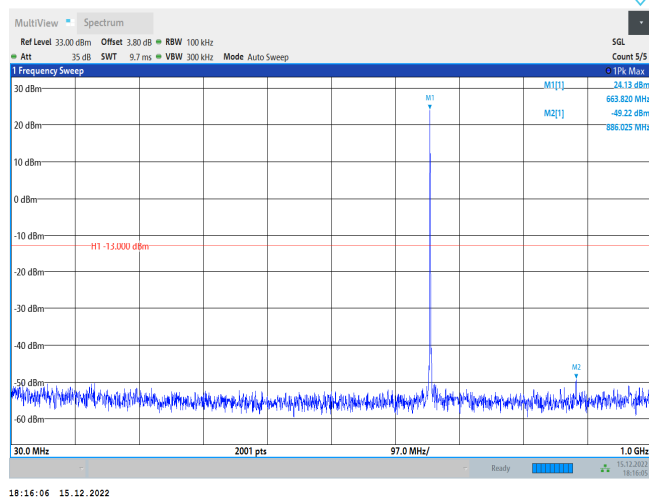
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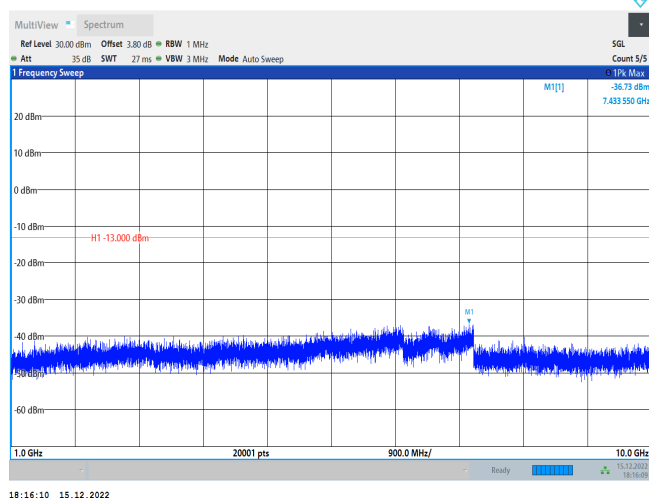
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### Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



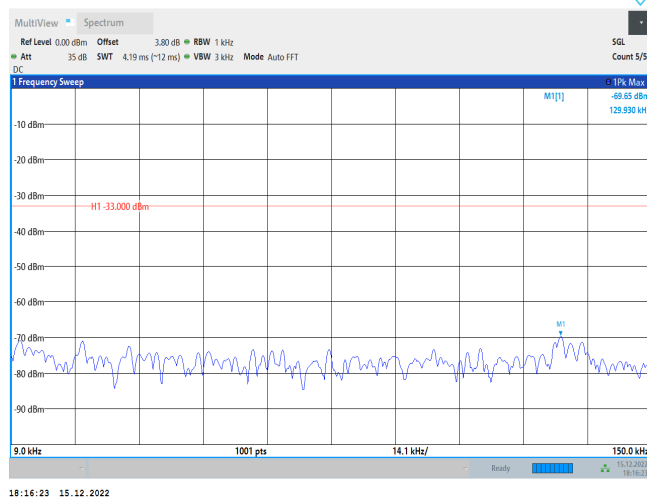


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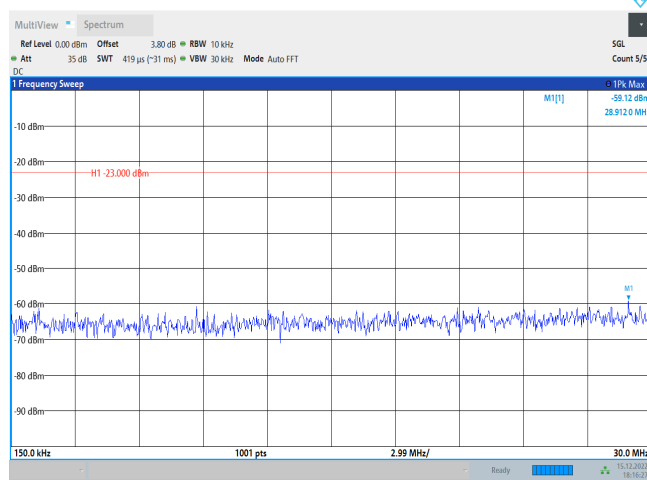
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### Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



18:16:23 15.12.2022

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



18:16:27 15.12.2022



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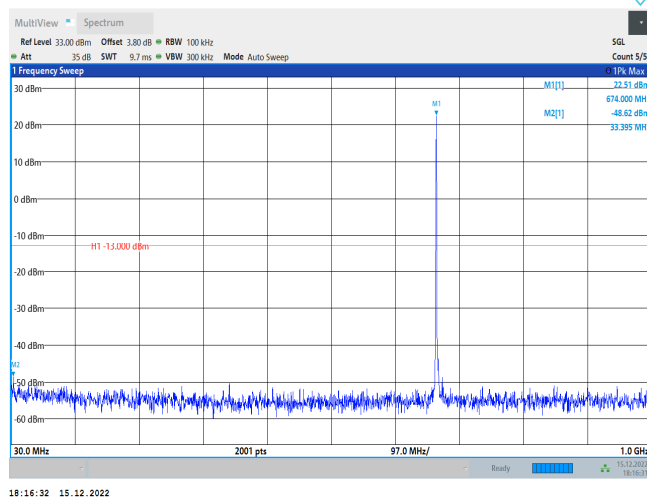
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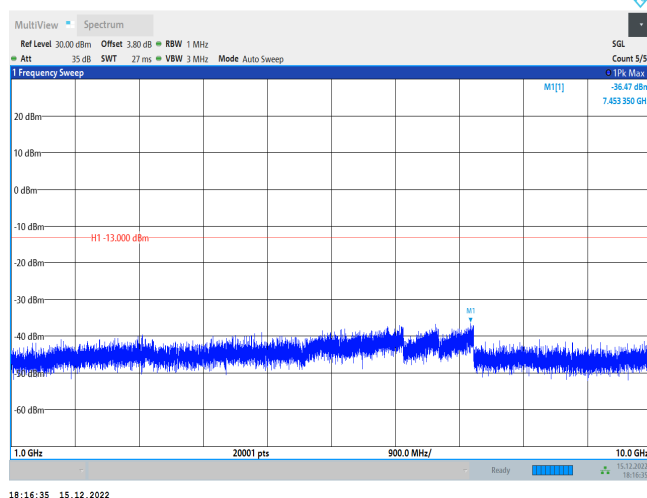
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### Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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

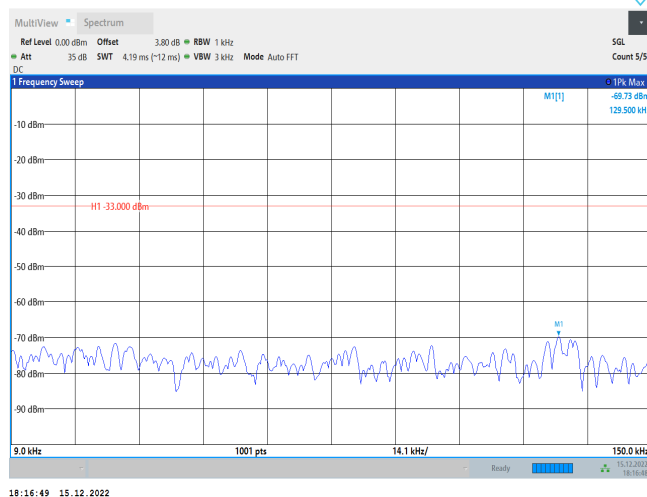


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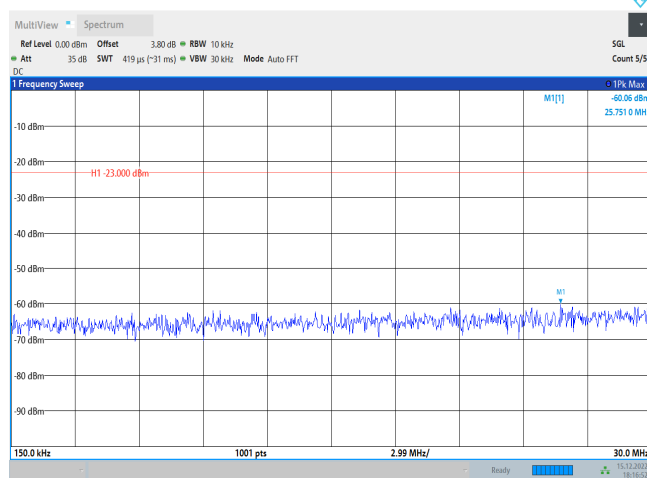
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### Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



18:16:49 15.12.2022

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



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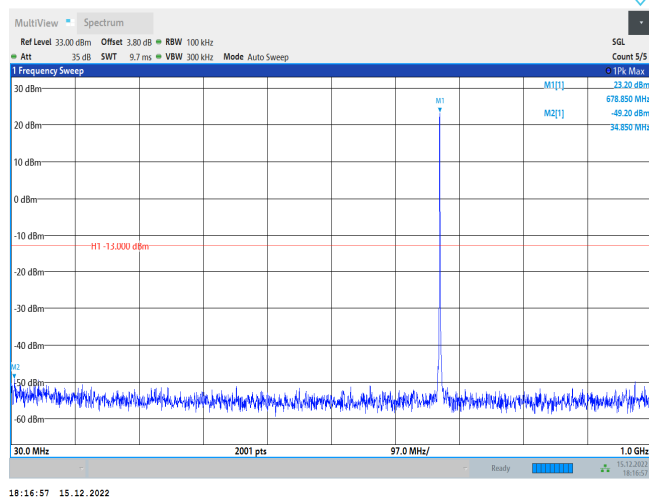
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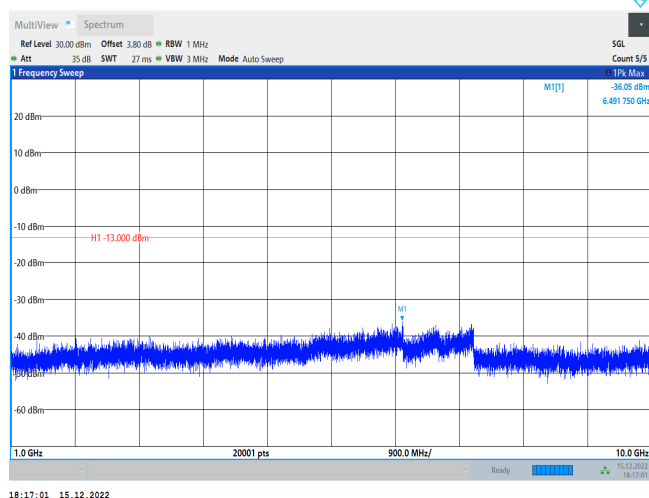
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### Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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## Field Strength of Spurious Radiation

**Test Band = LTE Band 71 ANT2\_ TM1**
**Test Channel = Low Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	48.01	-48.79	25.54	-70.49	-13.00	57.49	296	200	Horizontal
2	1992.27	68.92	-48.08	26.85	-47.57	-13.00	34.57	265	200	Horizontal
3	2656.36	45.21	-47.14	28.43	-68.76	-13.00	55.76	241	22	Horizontal
4	3320.45	45.81	-46.14	29.47	-66.12	-13.00	53.12	142	12	Horizontal
5	3984.54	41.18	-45.50	30.56	-69.02	-13.00	56.02	263	357	Horizontal
6	4648.63	40.11	-44.59	31.76	-67.98	-13.00	54.98	201	303	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	48.11	-48.79	25.54	-70.39	-13.00	57.39	196	113	Vertical
2	1992.27	79.34	-48.08	26.85	-37.15	-13.00	24.15	265	233	Vertical
3	2656.36	46.05	-47.14	28.43	-67.92	-13.00	54.92	241	173	Vertical
4	3320.45	45.42	-46.14	29.47	-66.51	-13.00	53.51	142	188	Vertical
5	3984.54	41.70	-45.50	30.56	-68.50	-13.00	55.50	263	263	Vertical
6	4648.63	40.42	-44.59	31.76	-67.67	-13.00	54.67	201	203	Vertical



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**Test Band = LTE Band 71 ANT2\_ TM1**
**Test Channel = Mid Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.18	50.01	-48.77	25.50	-68.52	-13.00	55.52	185	286	Horizontal
2	2022.27	57.92	-48.04	26.95	-58.43	-13.00	45.43	213	213	Horizontal
3	2696.36	49.03	-47.07	28.57	-64.73	-13.00	51.73	169	13	Horizontal
4	3370.45	44.21	-46.23	29.45	-67.83	-13.00	54.83	329	332	Horizontal
5	4044.54	41.40	-45.46	30.67	-68.65	-13.00	55.65	256	83	Horizontal
6	4718.63	40.73	-44.56	31.93	-67.17	-13.00	54.17	147	53	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348	49.94	-48.77	25.50	-68.59	-13.00	55.59	128	174	Vertical
2	2022.27	71.73	-48.04	26.95	-44.62	-13.00	31.62	239	233	Vertical
3	2696.36	47.78	-47.07	28.57	-65.98	-13.00	52.98	314	188	Vertical
4	3370.45	43.99	-46.23	29.45	-68.05	-13.00	55.05	156	188	Vertical
5	4044.54	40.77	-45.46	30.67	-69.28	-13.00	56.28	255	43	Vertical
6	4718.63	40.92	-44.56	31.93	-66.98	-13.00	53.98	325	335	Vertical



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**Test Band = LTE Band 71 ANT2\_ TM1**
**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	49.69	-48.76	25.48	-68.85	-13.00	55.85	147	272	Horizontal
2	2037.27	57.93	-48.01	26.98	-58.36	-13.00	45.36	236	196	Horizontal
3	2716.36	46.01	-47.00	28.64	-67.61	-13.00	54.61	169	10	Horizontal
4	3395.45	43.96	-46.27	29.44	-68.13	-13.00	55.13	325	332	Horizontal
5	4074.54	41.54	-45.43	30.72	-68.43	-13.00	55.43	185	78	Horizontal
6	4753.63	41.05	-44.58	32.01	-66.78	-13.00	53.78	268	211	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	53.05	-48.76	25.48	-65.49	-13.00	52.49	199	117	Vertical
2	2037.27	68.00	-48.01	26.98	-48.29	-13.00	35.29	258	221	Vertical
3	2716.36	47.44	-47.00	28.64	-66.18	-13.00	53.18	235	192	Vertical
4	3395.45	43.85	-46.27	29.44	-68.24	-13.00	55.24	177	192	Vertical
5	4074.54	42.00	-45.43	30.72	-67.97	-13.00	54.97	268	192	Vertical
6	4753.63	41.17	-44.58	32.01	-66.66	-13.00	53.66	306	192	Vertical



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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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-1.70	-0.002489	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	0.70	0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	0.60	0.000878	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-40	-3.50	-0.005124	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	0.00	0.000000	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-1.30	-0.001903	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	0.00	0.000000	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-2.20	-0.003221	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-1.70	-0.002489	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	0.40	0.000586	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	1.50	0.002196	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	0.00	0.000000	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-0.40	-0.000586	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	60	-2.80	-0.004100	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	75	1.20	0.001757	PASS

---End of Attachment---



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