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Appendix B.12

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data for

SEWM2305000178RG01

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.95	22.02	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.22	22.29	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.89	21.96	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.06	21.13	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.79	21.86	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.01	22.08	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.72	21.79	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.91	20.98	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.49	21.56	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.75	21.82	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.44	21.51	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.64	20.71	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.23	21.3	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.42	21.49	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.2	21.27	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.03	20.1	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.03	21.1	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.22	21.29	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.96	21.03	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.86	19.93	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.69	20.76	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.08	21.15	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.74	20.81	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.61	19.68	34.77	PASS



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Band71	5MHz	64QAM	133147	1RB#0	21.14	20.21	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.31	20.38	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.07	20.14	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	20.03	19.1	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	20.9	19.97	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.21	20.28	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	20.85	19.92	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	19.87	18.94	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	20.63	19.7	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	20.84	19.91	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	20.61	19.68	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	19.61	18.68	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.01	22.08	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.18	22.25	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.95	22.02	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.1	21.17	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.9	21.97	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.03	22.1	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.75	21.82	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.95	21.02	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.66	21.73	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.7	21.77	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.5	21.57	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	21.72	20.79	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.24	21.31	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.4	21.47	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.25	21.32	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.07	20.14	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.22	21.29	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.25	21.32	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22	21.07	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.95	20.02	34.77	PASS



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Band71	10MHz	16QAM	133422	1RB#0	21.9	20.97	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.05	21.12	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.72	20.79	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.68	19.75	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.18	20.25	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.38	20.45	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.11	20.18	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.09	19.16	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.03	20.1	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.1	20.17	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	20.83	19.9	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	19.92	18.99	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	20.82	19.89	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	20.87	19.94	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	20.67	19.74	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	19.68	18.75	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.82	21.89	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.97	22.04	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.68	21.75	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.99	21.06	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.79	21.86	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.89	21.96	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.56	21.63	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.85	20.92	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.63	21.7	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.64	21.71	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.38	21.45	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.69	20.76	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.17	21.24	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.29	21.36	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.9	20.97	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.95	20.02	34.77	PASS



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Band71	15MHz	16QAM	133297	1RB#0	21.99	21.06	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.21	21.28	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.78	20.85	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.78	19.85	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.85	20.92	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.98	21.05	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.72	20.79	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.63	19.7	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	20.96	20.03	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.14	20.21	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	20.82	19.89	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	19.95	19.02	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	20.87	19.94	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.05	20.12	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	20.69	19.76	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	19.81	18.88	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	20.77	19.84	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	20.75	19.82	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	20.48	19.55	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	19.66	18.73	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.69	21.76	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.07	22.14	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.49	21.56	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.96	21.03	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.64	21.71	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.94	22.01	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.32	21.39	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.82	20.89	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.55	21.62	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.83	21.9	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.26	21.33	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.75	20.82	34.77	PASS



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Band71	20MHz	16QAM	133222	1RB#49	22.37	21.44	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.74	20.81	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.91	19.98	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.91	20.98	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.28	21.35	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.52	20.59	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.79	19.86	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.91	20.98	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.14	21.21	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.58	20.65	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.7	19.77	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	20.89	19.96	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.15	20.22	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	20.6	19.67	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	19.94	19.01	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	20.76	19.83	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.02	20.09	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	20.44	19.51	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	19.79	18.86	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	20.71	19.78	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	20.94	20.01	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	20.37	19.44	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	19.7	18.77	34.77	PASS



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SEWM2309000392RG01

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.78	21.85	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.07	22.14	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.73	21.8	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.9	20.97	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.6	21.67	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.82	21.89	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.58	21.65	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.68	20.75	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.32	21.39	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.56	21.63	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.26	21.33	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.52	20.59	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.11	21.18	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.27	21.34	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.06	21.13	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.87	19.94	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.85	20.92	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.04	21.11	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.78	20.85	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.63	19.7	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.48	20.55	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.95	21.02	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.59	20.66	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.45	19.52	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.03	20.1	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.08	20.15	34.77	PASS



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Band71	5MHz	64QAM	133147	1RB#24	20.96	20.03	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	19.83	18.9	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	20.69	19.76	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.01	20.08	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	20.62	19.69	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	19.67	18.74	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	20.46	19.53	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	20.68	19.75	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	20.39	19.46	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	19.45	18.52	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.54	21.61	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.88	21.95	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.35	21.42	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.79	20.86	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.45	21.52	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.81	21.88	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.18	21.25	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.59	20.66	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.39	21.46	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.68	21.75	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.07	21.14	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.52	20.59	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.94	21.01	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.14	21.21	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.51	20.58	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.78	19.85	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.74	20.81	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.07	21.14	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.35	20.42	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.67	19.74	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.75	20.82	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.02	21.09	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.39	20.46	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.54	19.61	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	20.75	19.82	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	20.93	20	34.77	PASS



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Band71	20MHz	64QAM	133222	1RB#99	20.43	19.5	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	19.76	18.83	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	20.58	19.65	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	20.85	19.92	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	20.32	19.39	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	19.6	18.67	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	20.59	19.66	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	20.73	19.8	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	20.14	19.21	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	19.51	18.58	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	5.48	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.32	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.42	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.24	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.08	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.12	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.44	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.42	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.36	13	PASS



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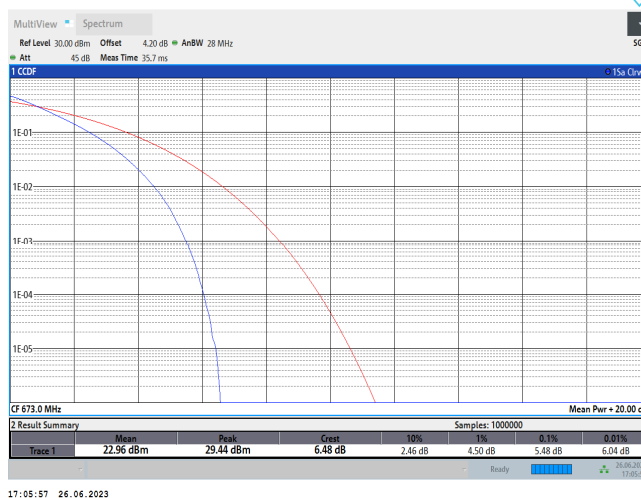
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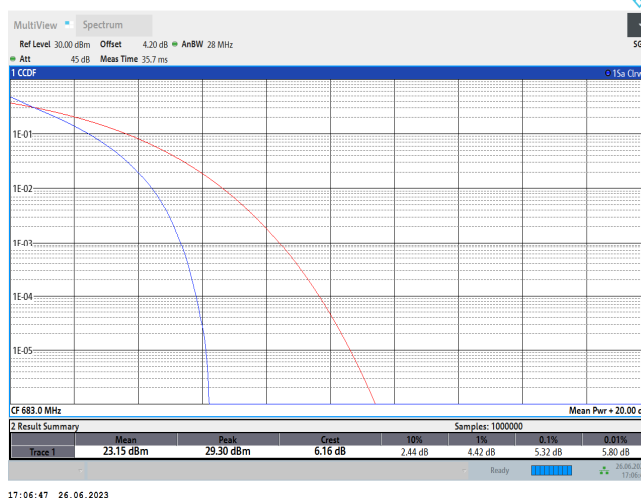
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Test Graphs

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



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



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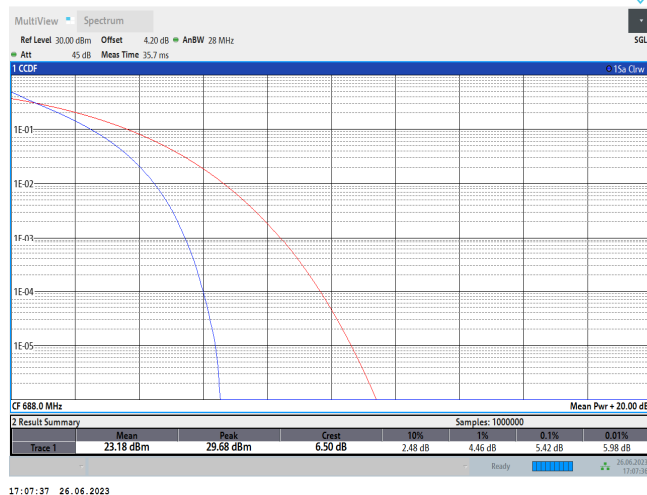
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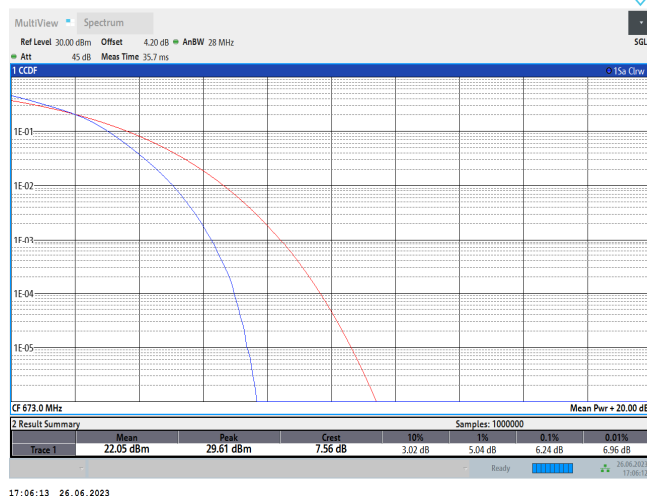
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Band71-20MHz-QPSK-133372-100RB#0



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



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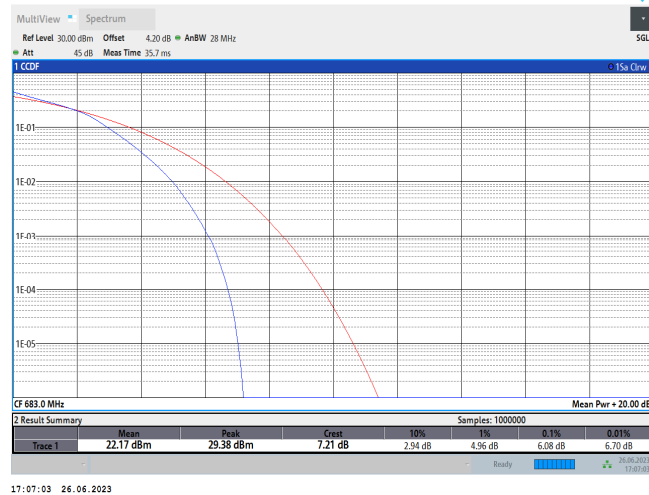
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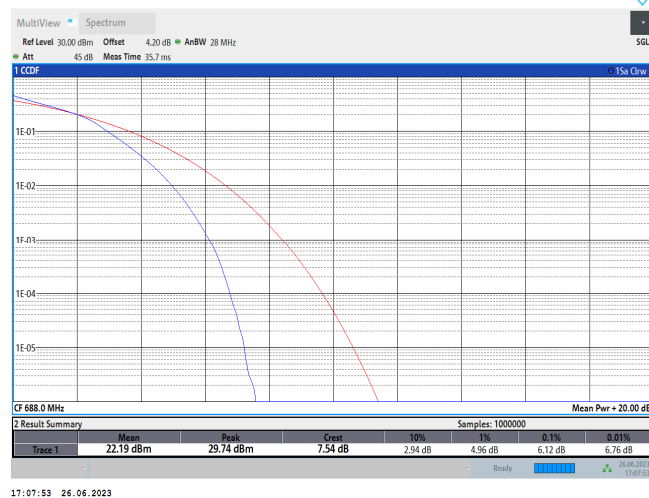
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Band71-20MHz-16QAM-133322-100RB#0



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



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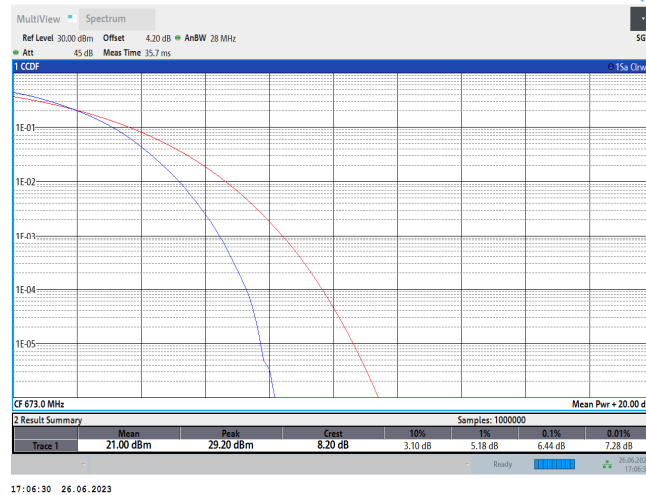
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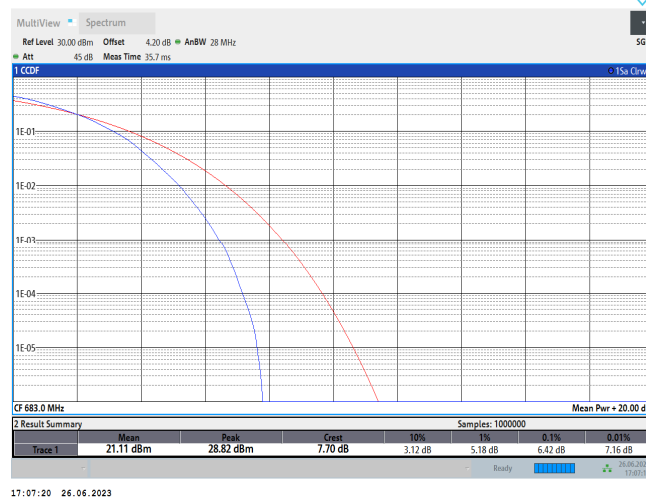
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Band71-20MHz-64QAM-133222-100RB#0



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



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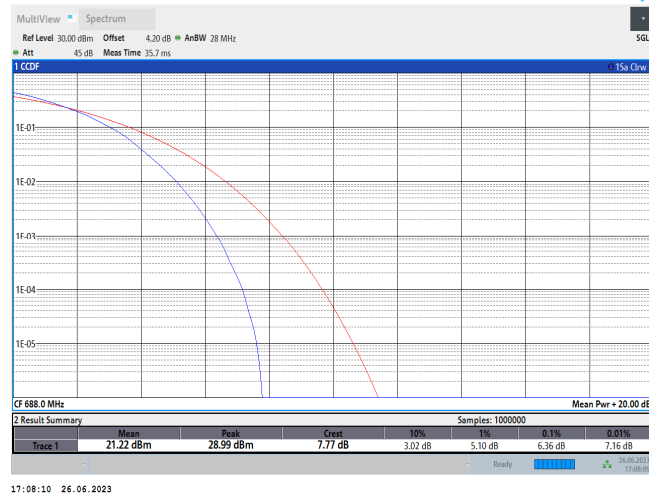
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.484	4.90	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.470	5.00	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.479	4.97	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.476	4.84	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.471	4.98	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.471	4.90	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.479	4.94	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.489	4.92	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.471	4.98	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.962	9.68	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.935	9.64	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.936	9.70	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.909	9.48	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.927	10.00	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.925	9.68	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.939	9.78	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.929	9.72	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.947	9.60	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.425	14.67	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.426	14.52	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.460	14.67	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.484	15.12	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.484	14.40	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.407	14.97	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.412	14.73	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.450	14.55	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.470	14.40	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.855	19.40	PASS



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Band71	20MHz	QPSK	133322	100RB#0	17.957	19.16	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.954	18.88	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.968	18.96	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.853	19.08	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.901	19.12	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.867	19.48	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.912	19.16	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.819	19.60	PASS



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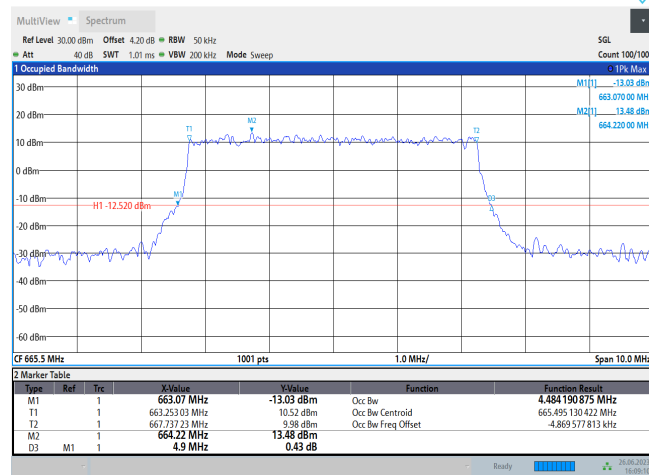
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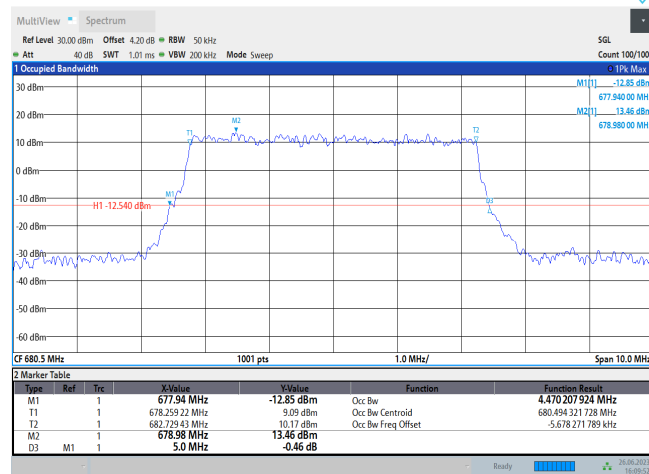
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Test Graphs

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



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



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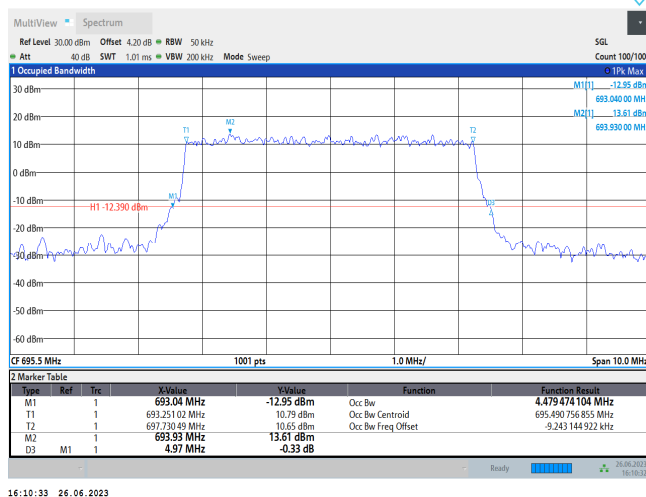
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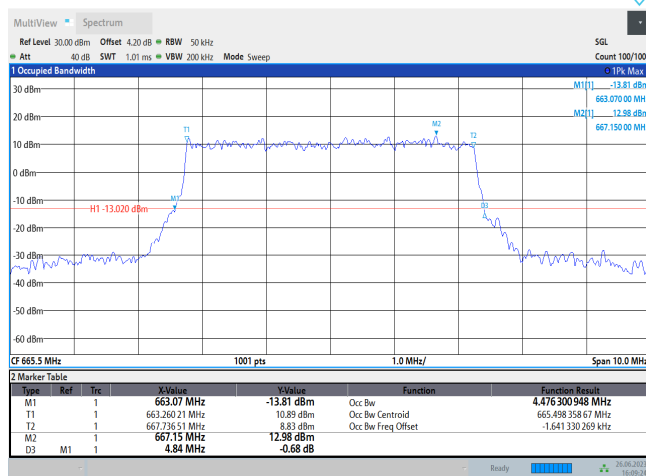
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Band71-5MHz-16QAM-133147-25RB#0



16:09:25 26.06.2023



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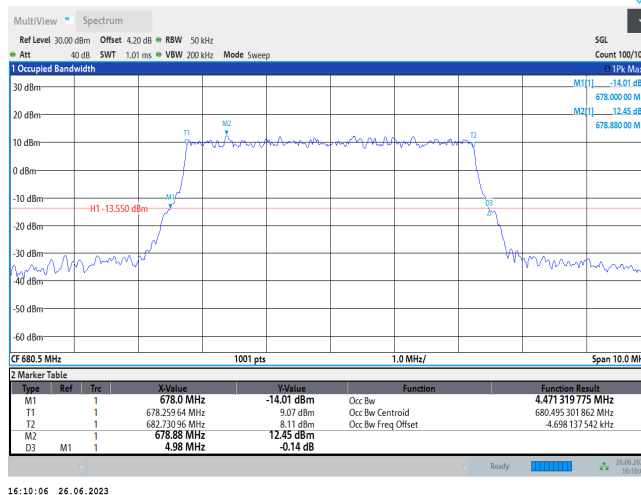
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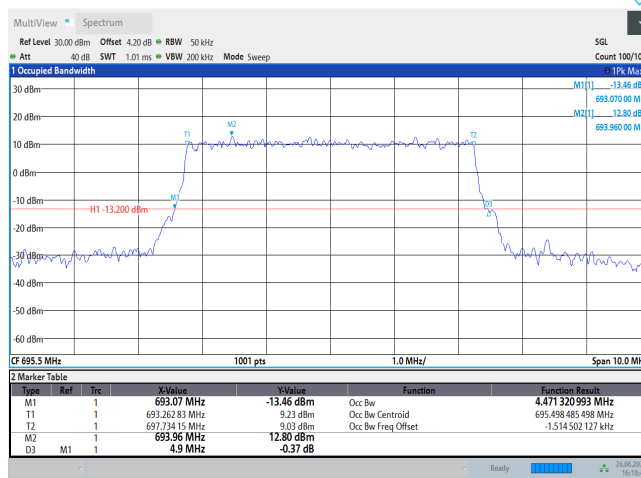
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Band71-5MHz-16QAM-133447-25RB#0



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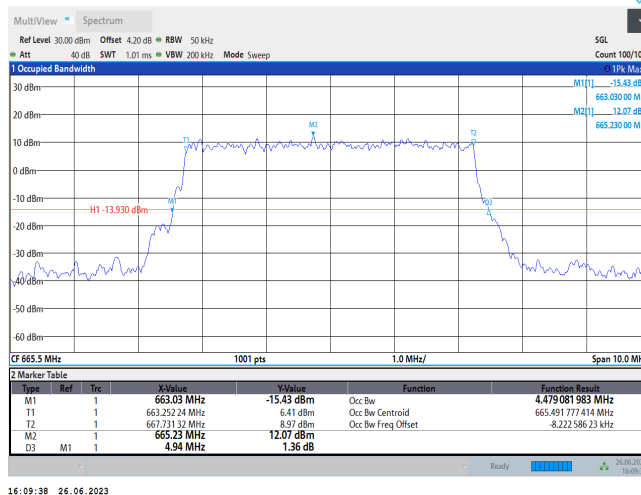
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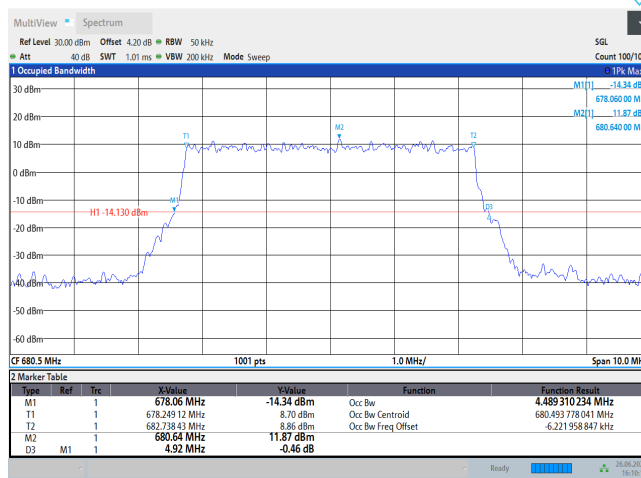
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Band71-5MHz-64QAM-133147-25RB#0



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



16:10:19 26.06.2023



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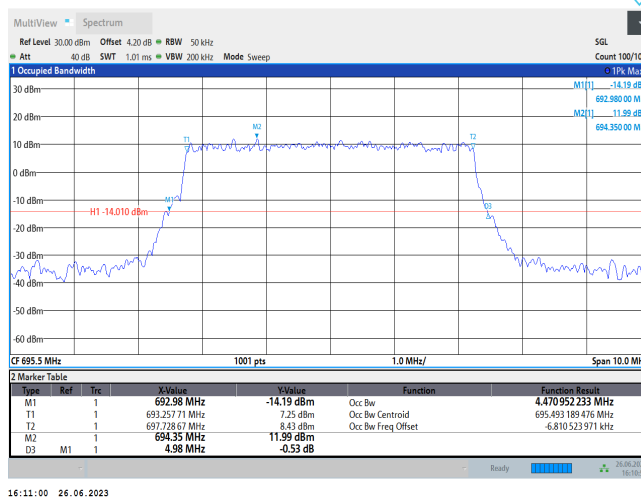
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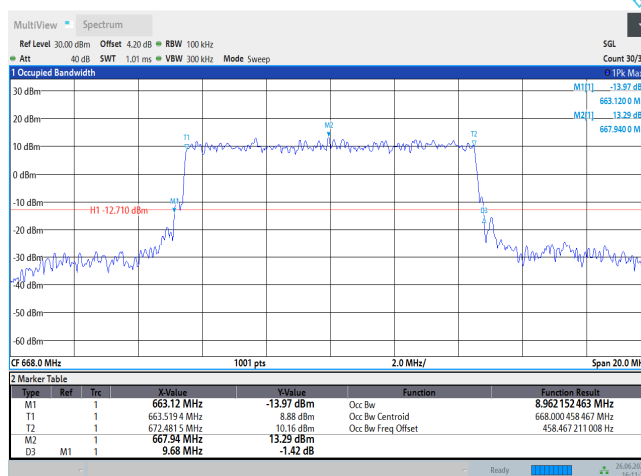
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Band71-5MHz-64QAM-133447-25RB#0



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



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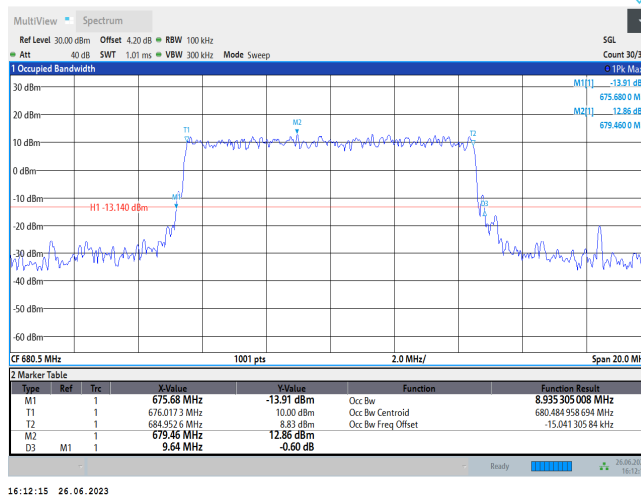
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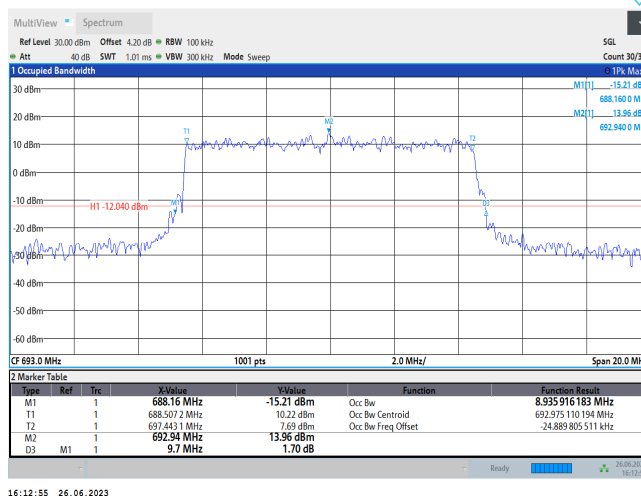
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Band71-10MHz-QPSK-133422-50RB#0



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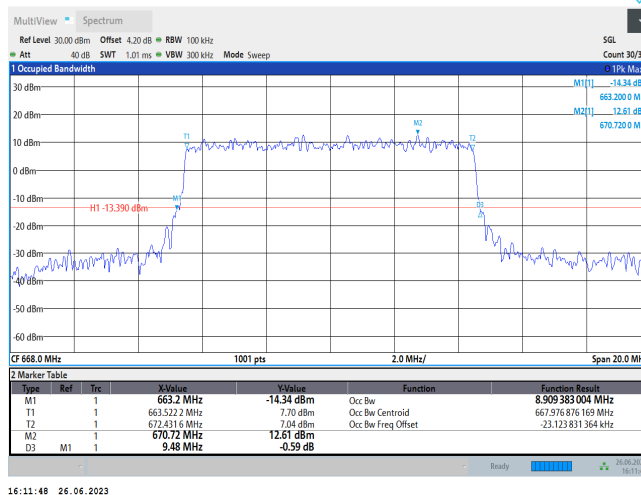
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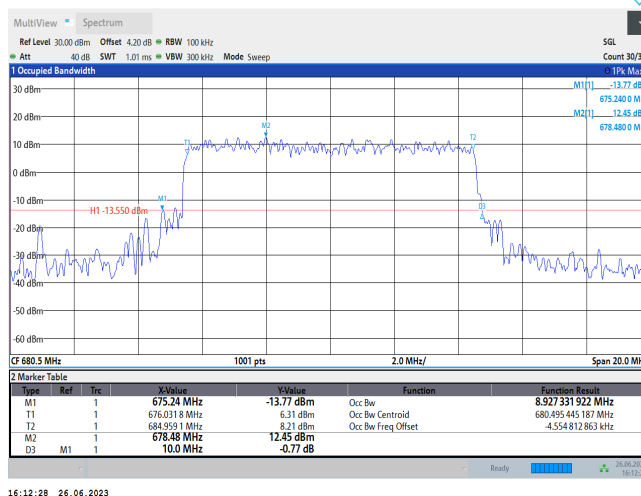
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Band71-10MHz-16QAM-133172-50RB#0



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



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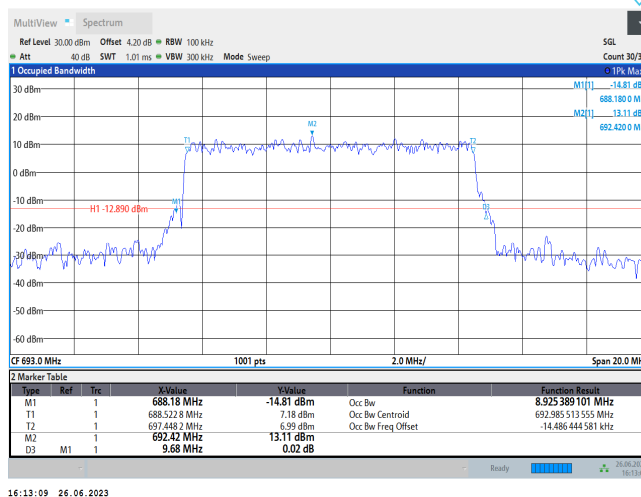
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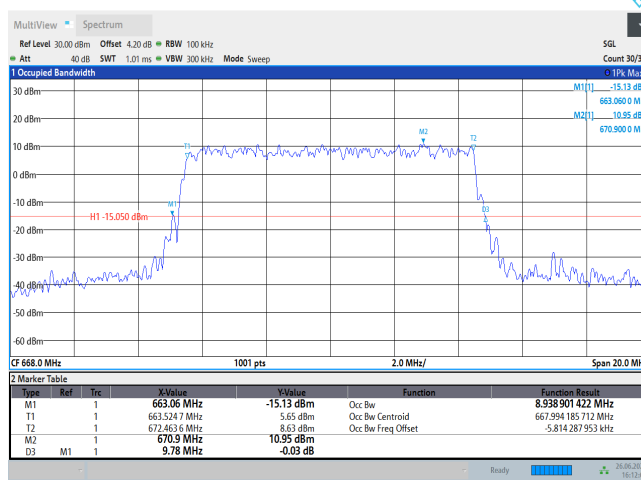
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Band71-10MHz-16QAM-133422-50RB#0



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



16:12:01 26.06.2023



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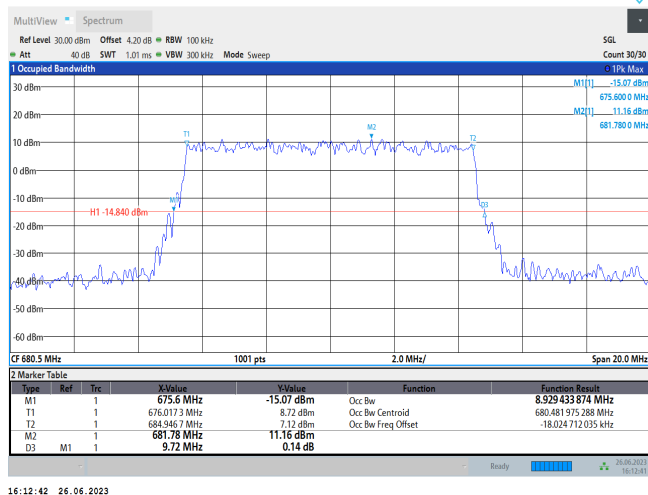
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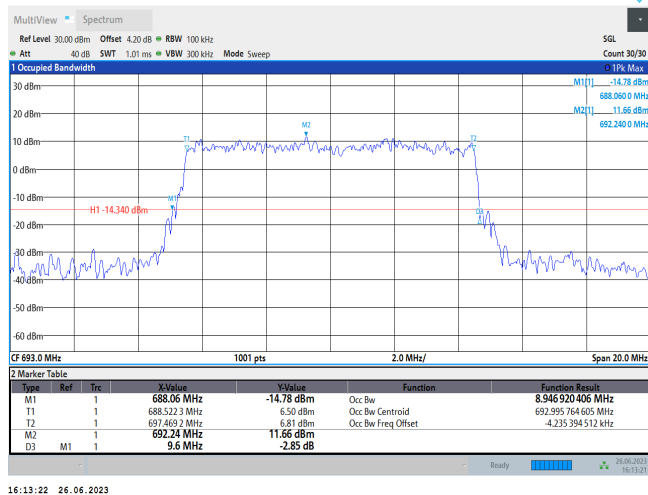
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Band71-10MHz-64QAM-133297-50RB#0



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



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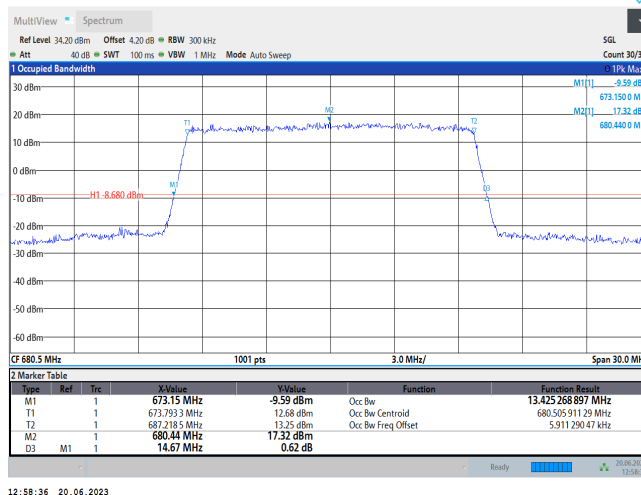
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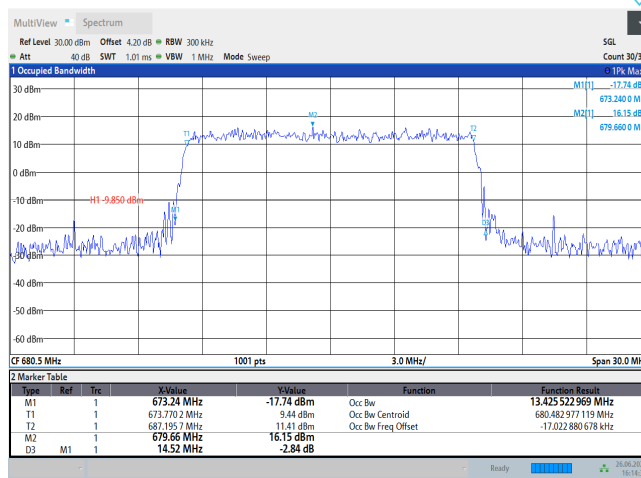
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Band71-15MHz-QPSK-133197-75RB#0



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



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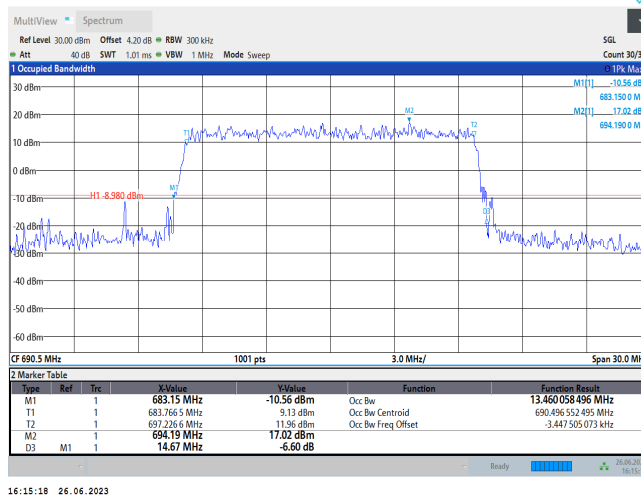
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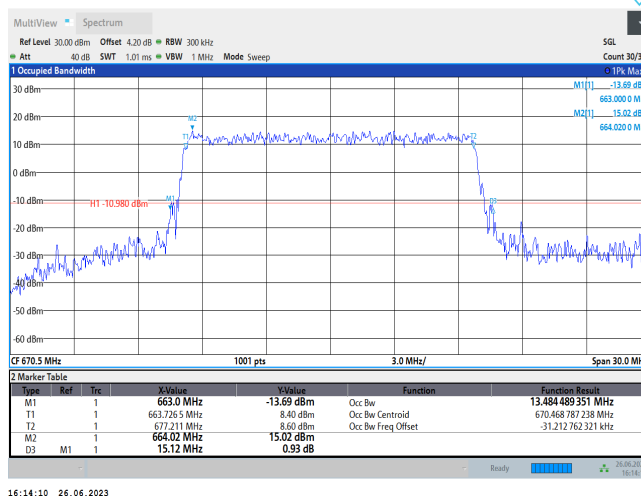
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Band71-15MHz-16QAM-133197-75RB#0



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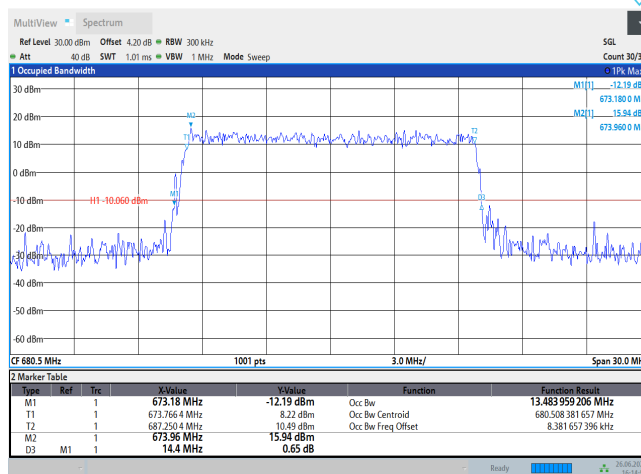
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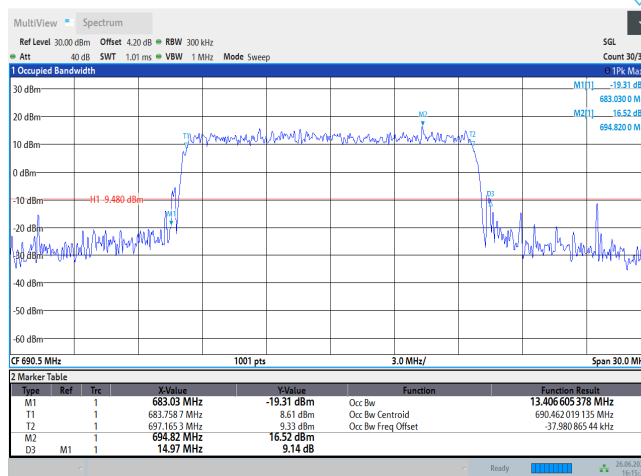
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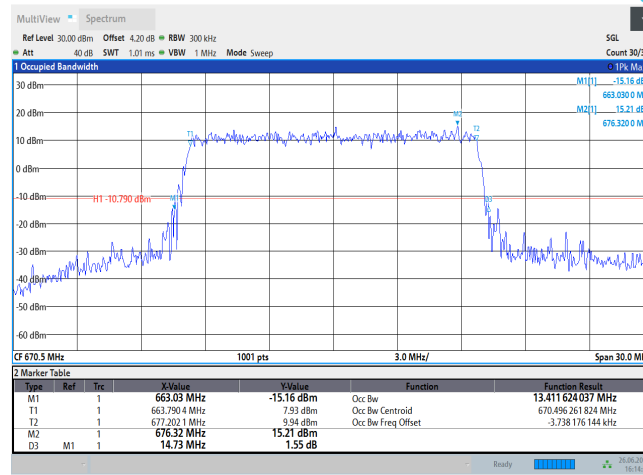
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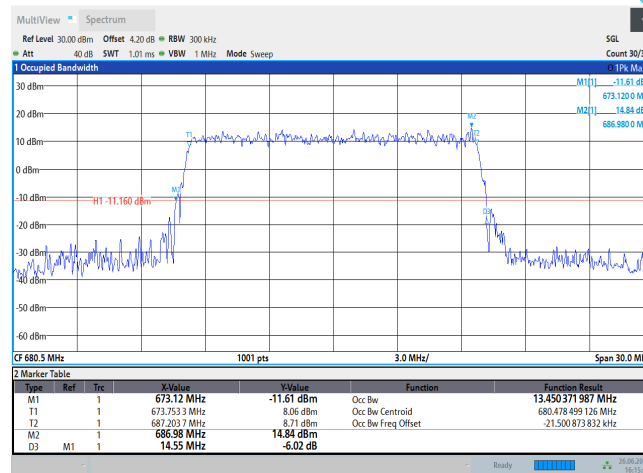
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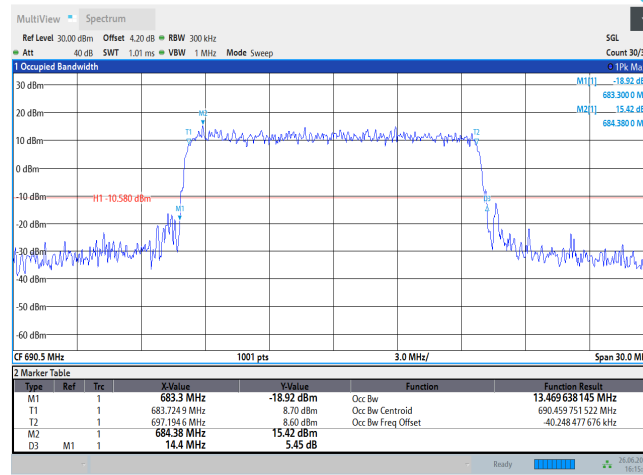
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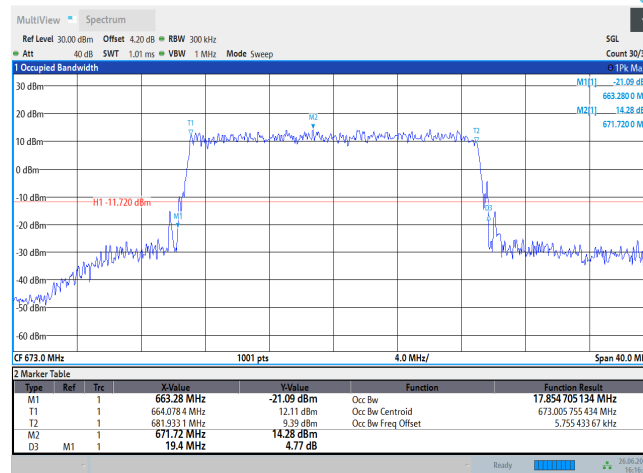
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Band71-20MHz-QPSK-133222-100RB#0



16:16:19 26.06.2023



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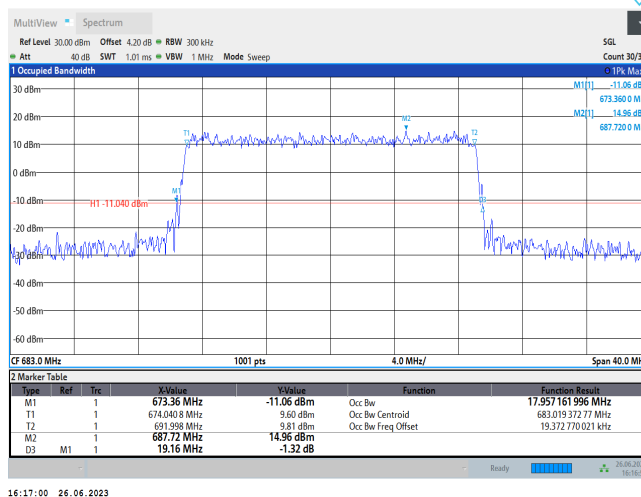
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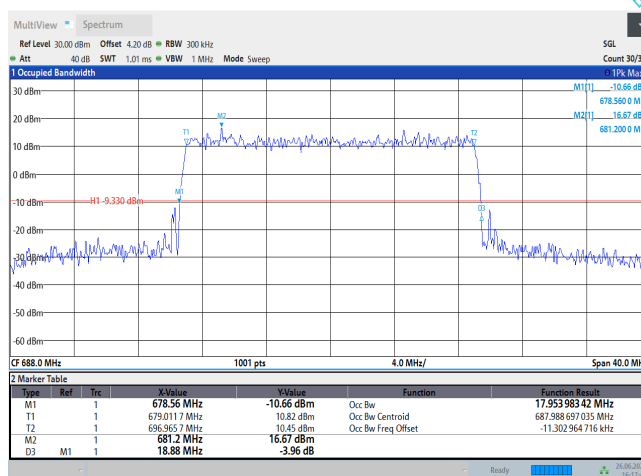
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Band71-20MHz-QPSK-133372-100RB#0



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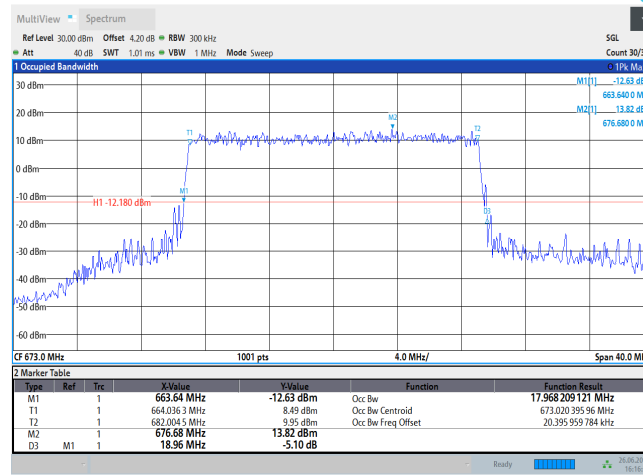
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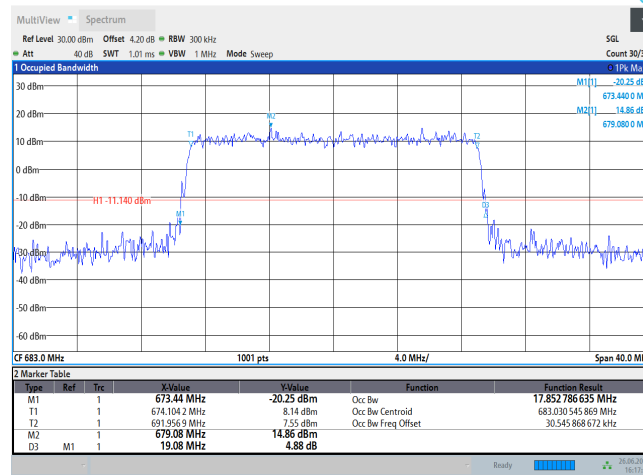
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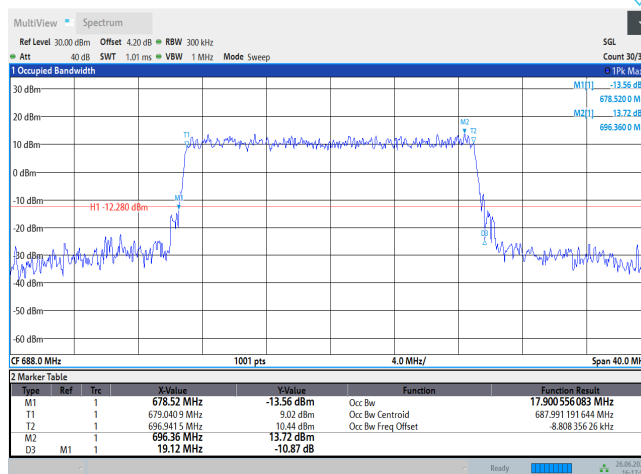
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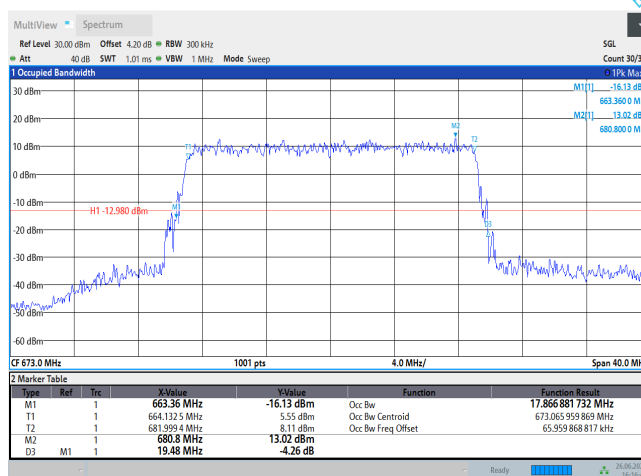
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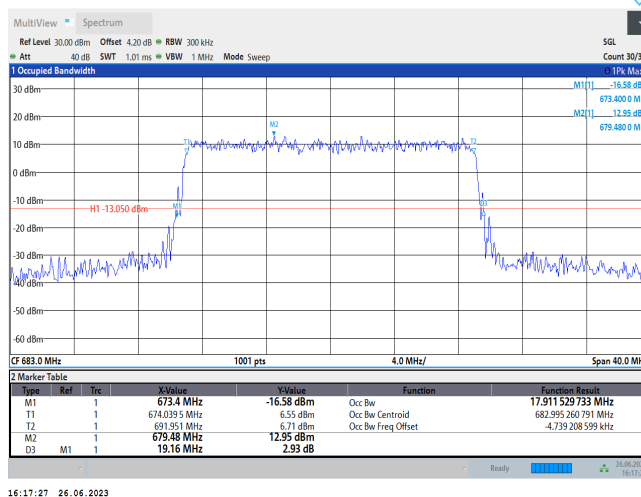
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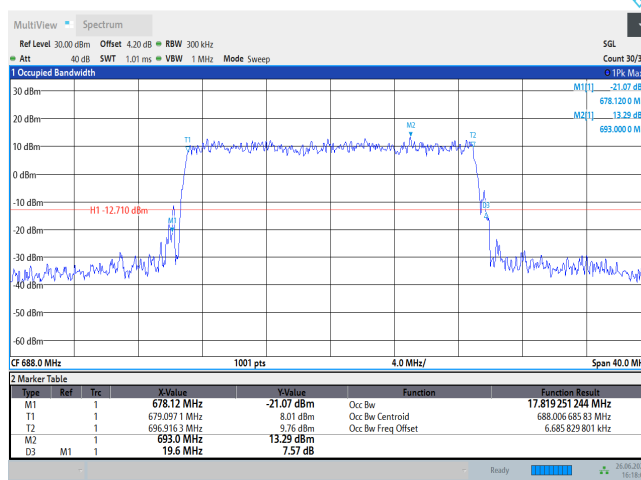
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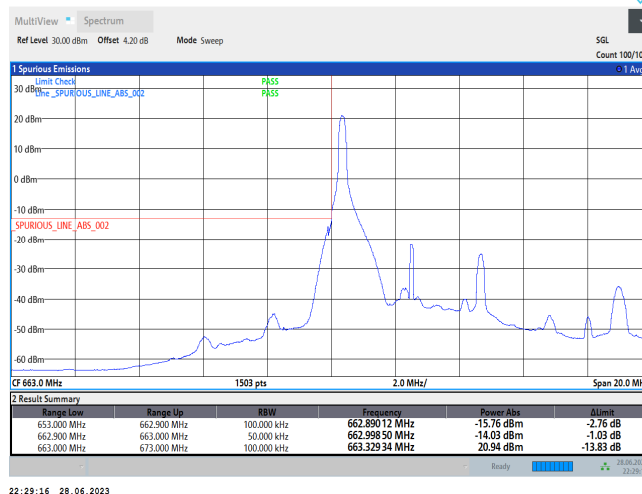
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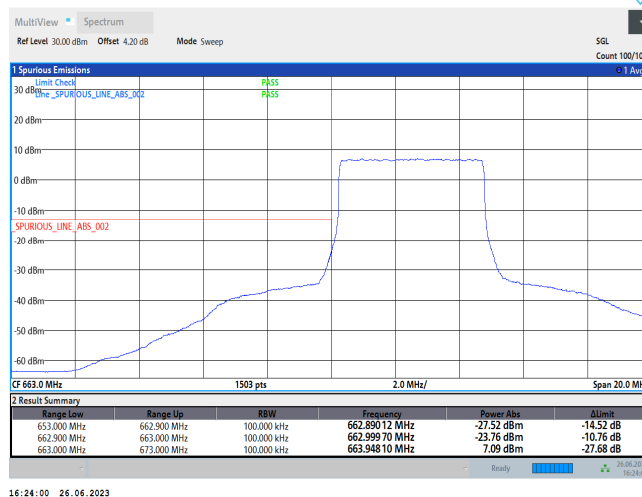
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Test Graphs

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



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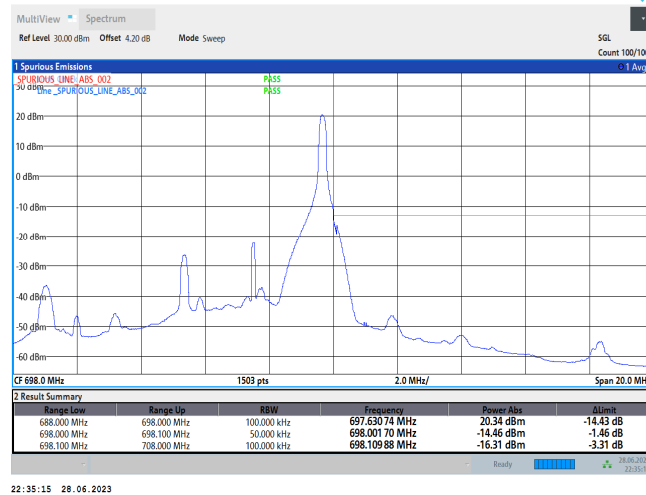
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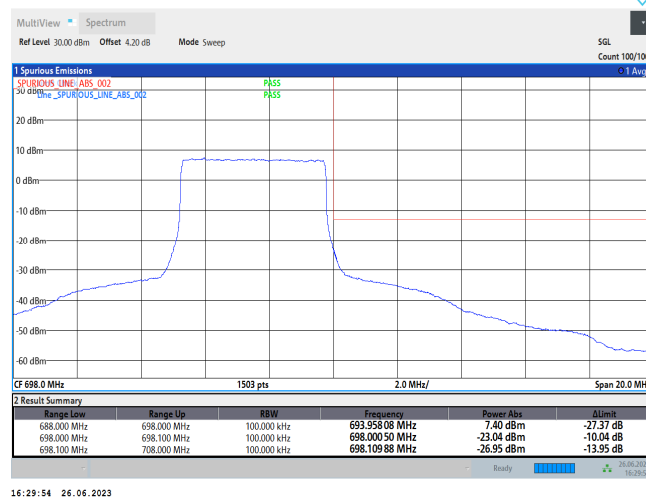
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Band71-5MHz-QPSK-133447-1RB#24



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



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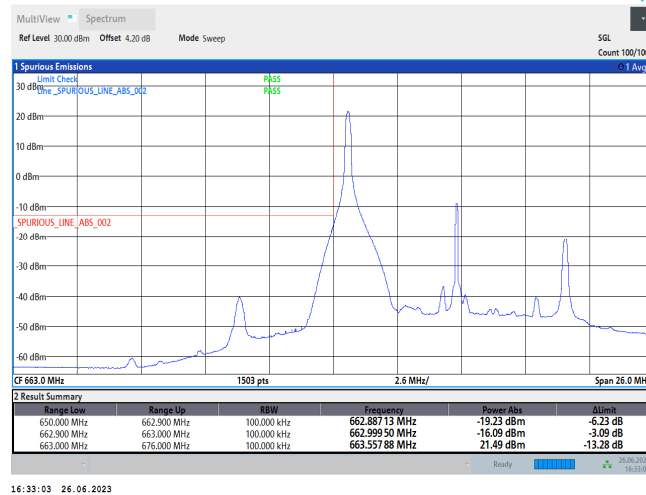
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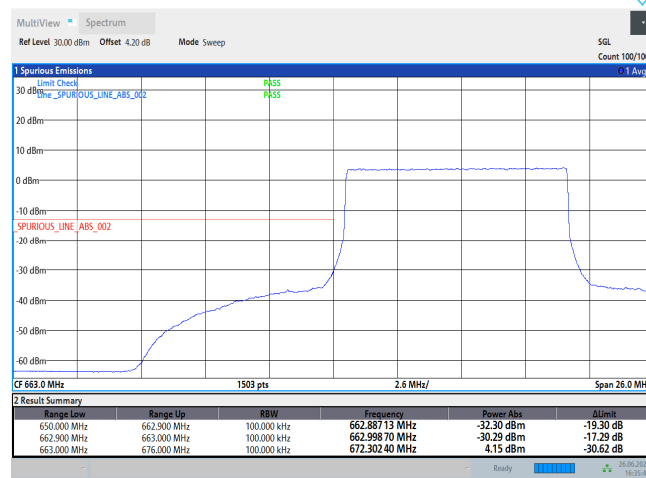
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Band71-10MHz-QPSK-133172-1RB#0



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



16:35:48 26.06.2023



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
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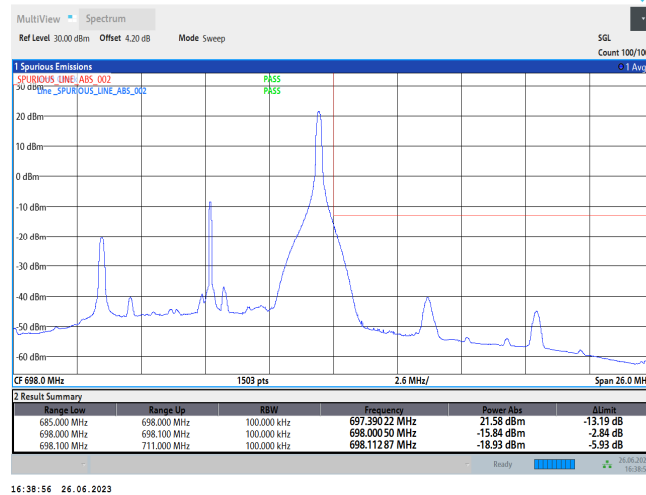
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Band71-10MHz-QPSK-133422-1RB#49



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



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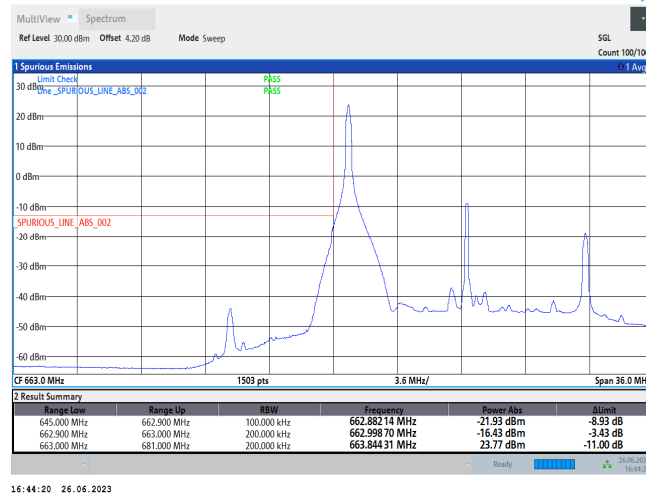
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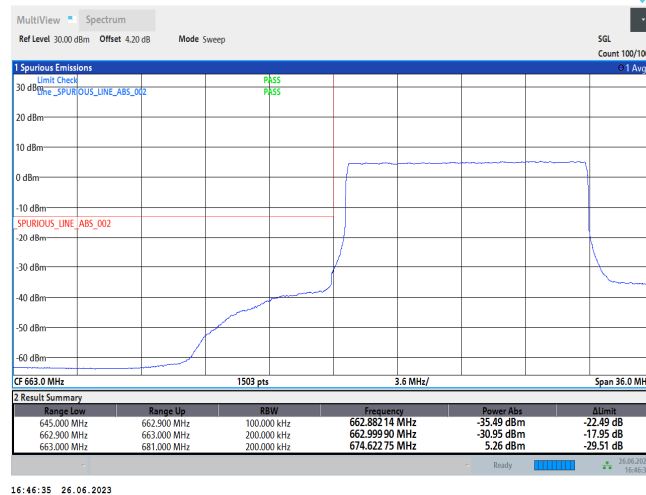
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Band71-15MHz-QPSK-133197-1RB#0



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



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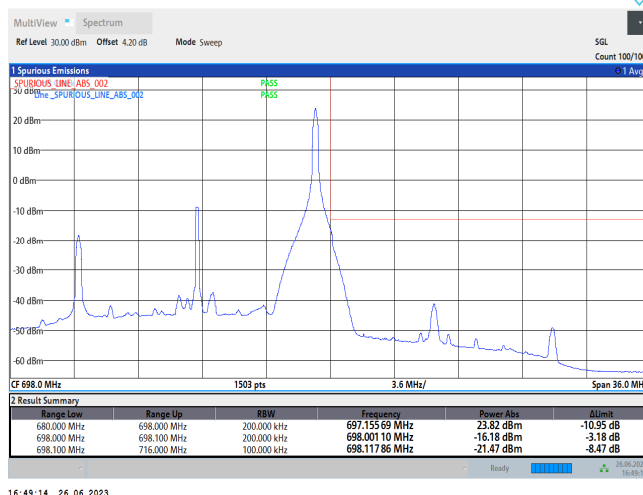
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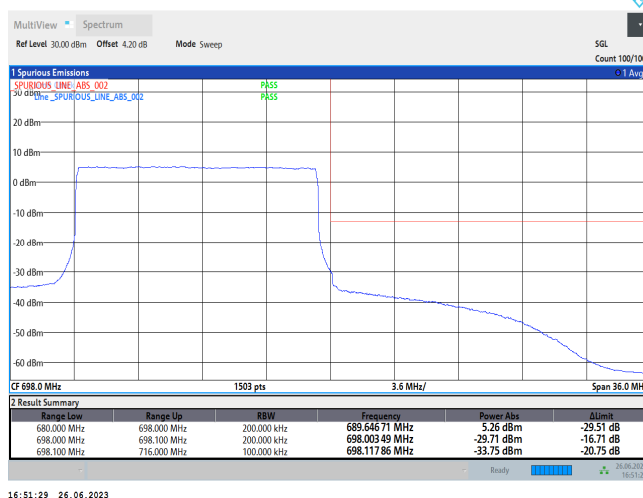
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Band71-15MHz-QPSK-133397-1RB#74



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



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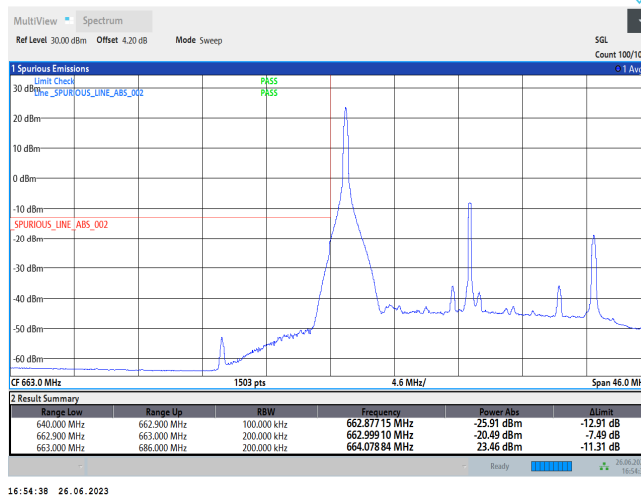
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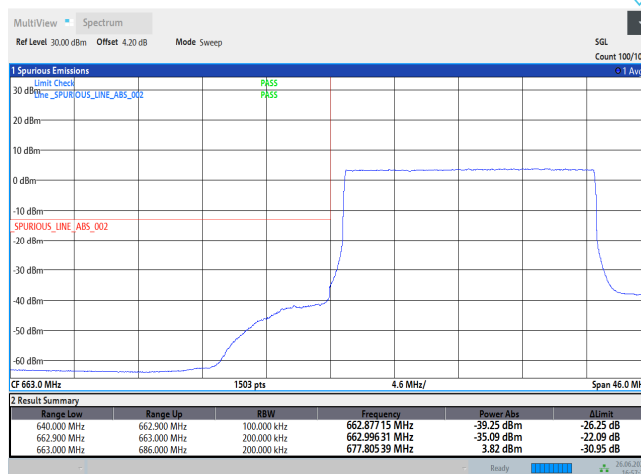
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Band71-20MHz-QPSK-133222-1RB#0



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



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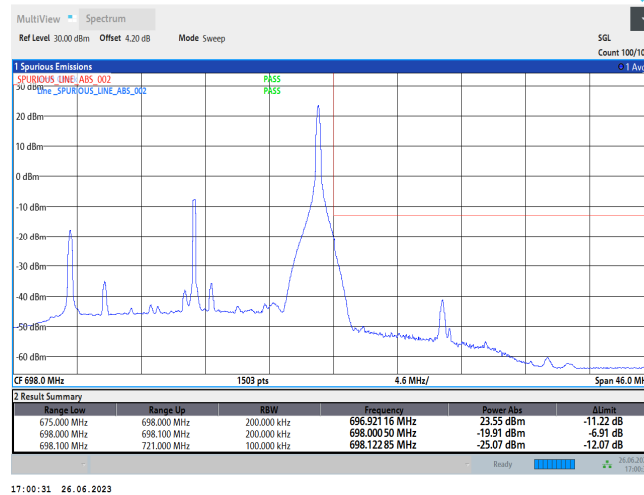
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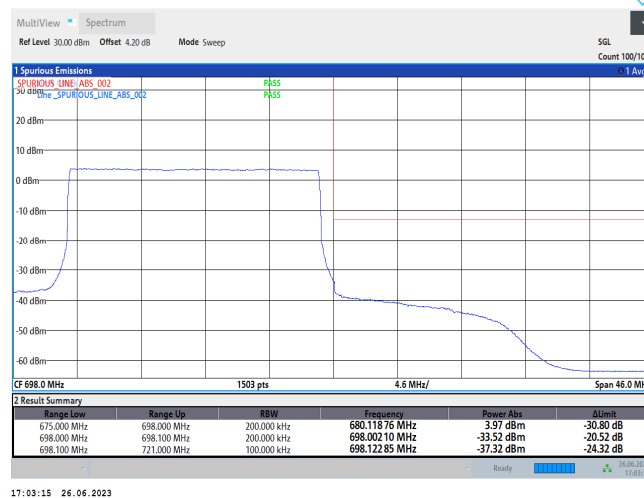
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Band71-20MHz-QPSK-133372-1RB#99



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



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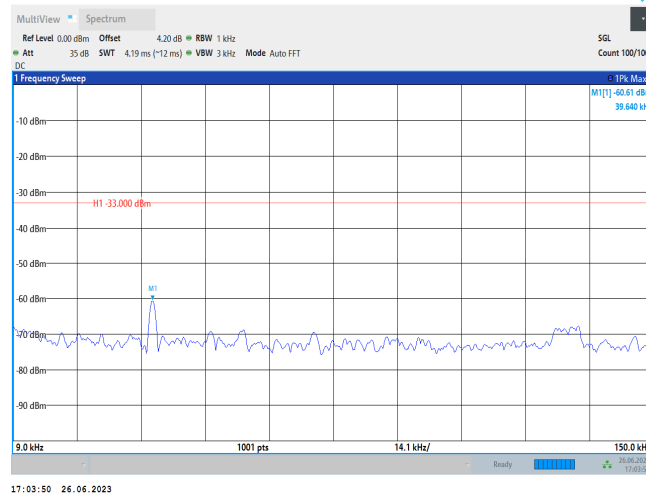
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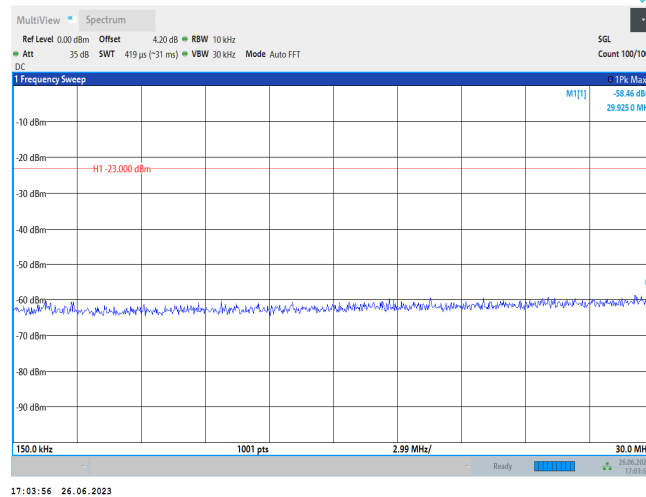
Conducted Spurious Emission

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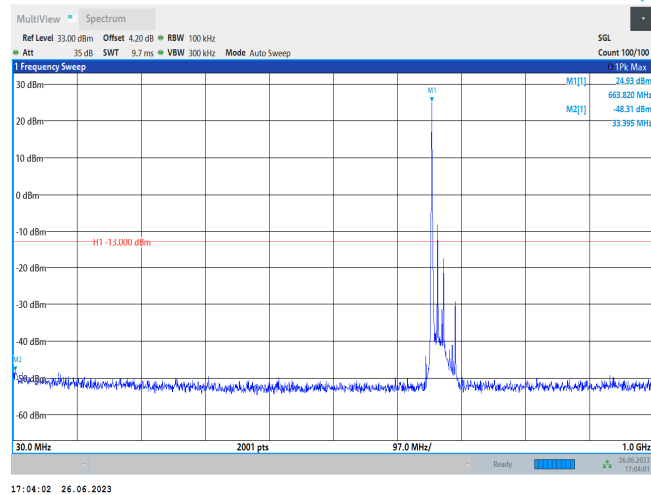
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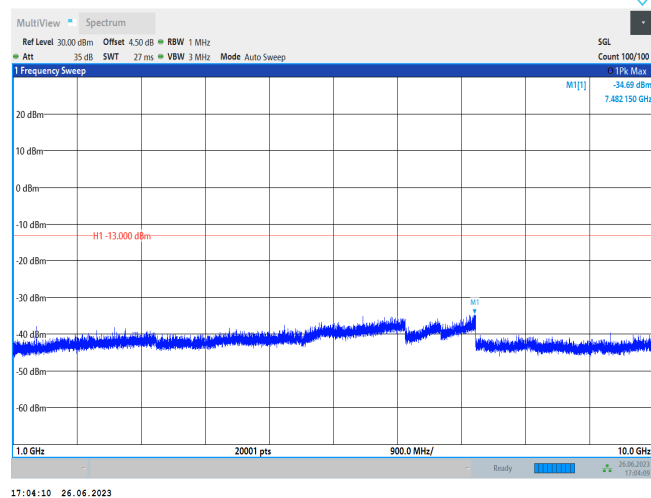
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



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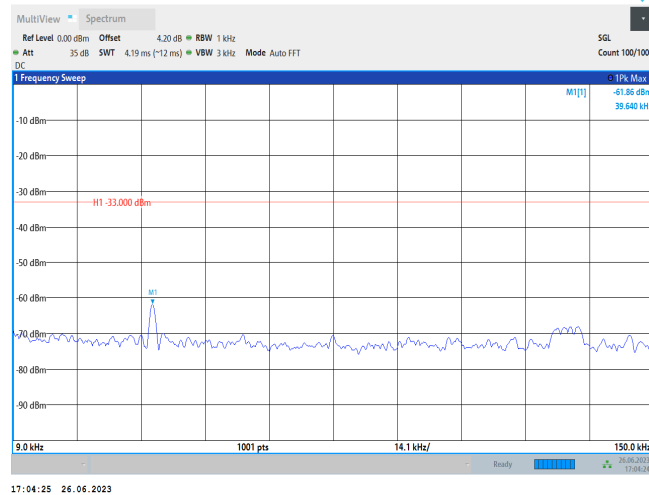
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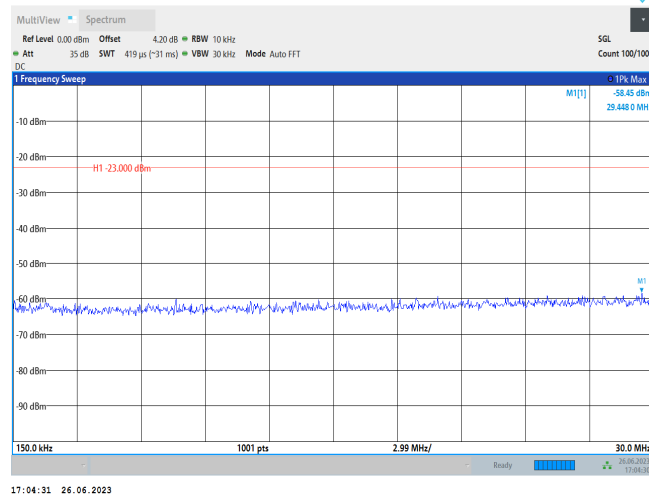
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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



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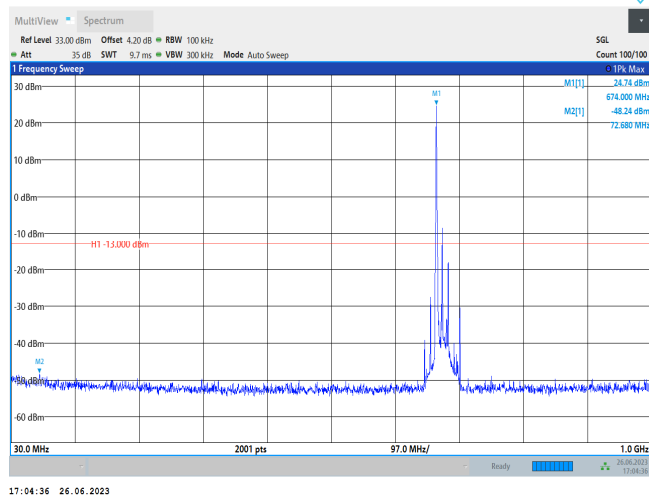
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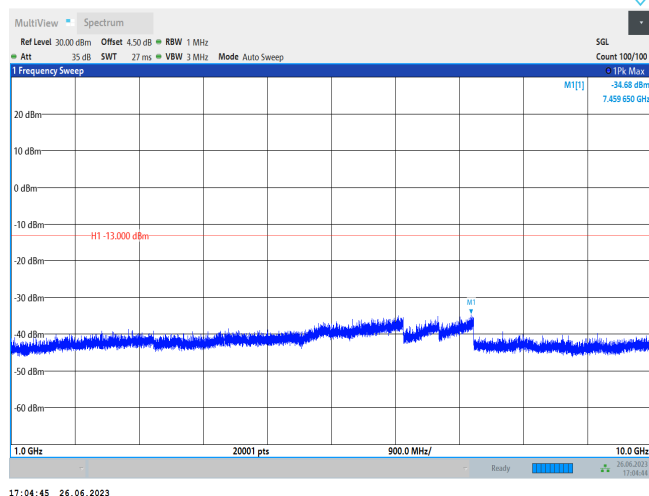
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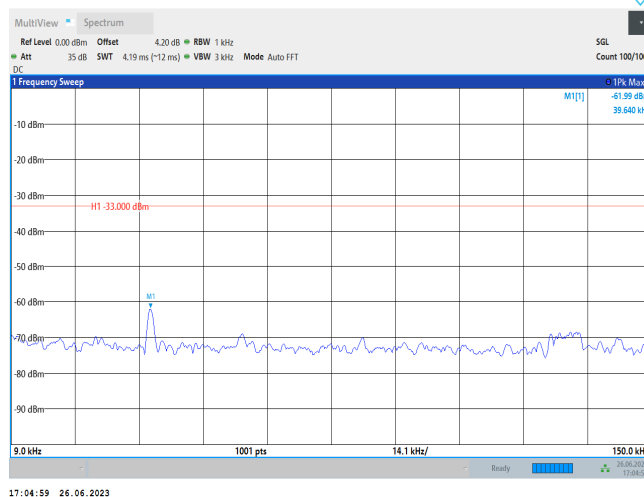
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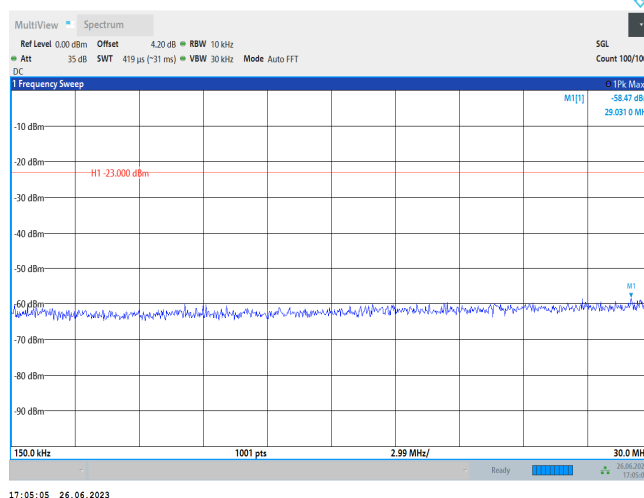
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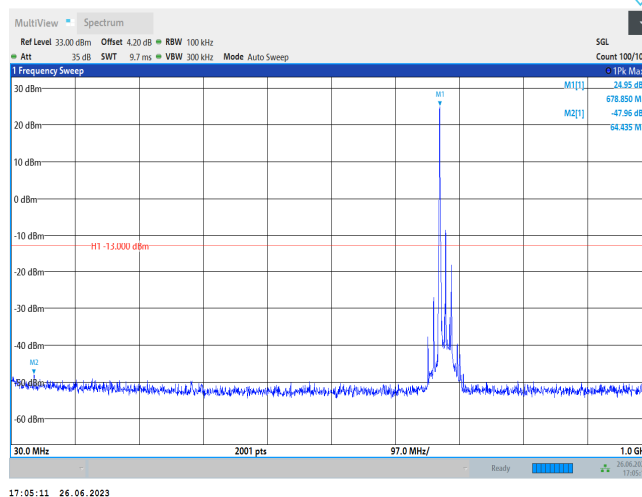
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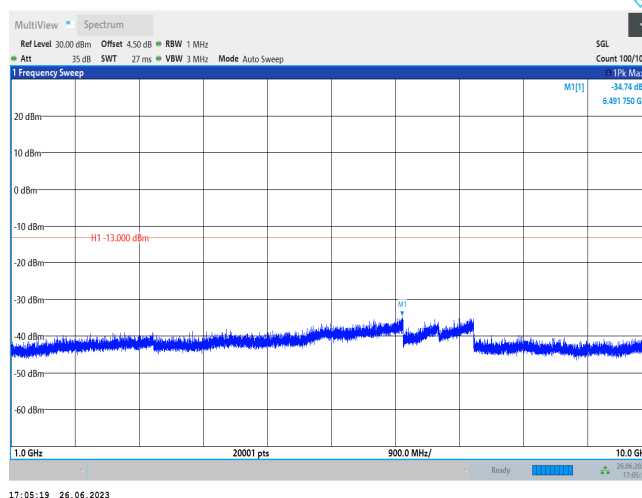
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE band 71_ TM1_20MHz

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.1800	46.68	-48.09	25.14	-71.54	-13.00	58.54	102	144	Horizontal
2	1992.2700	44.76	-47.91	25.88	-72.53	-13.00	59.53	169	359	Horizontal
3	2656.3600	44.62	-47.00	27.61	-70.02	-13.00	57.02	132	18	Horizontal
4	3320.4500	44.66	-46.65	28.49	-68.76	-13.00	55.76	158	222	Horizontal
5	3984.5400	43.49	-46.20	29.08	-68.89	-13.00	55.89	147	49	Horizontal
6	4648.6300	42.00	-45.79	30.63	-68.43	-13.00	55.43	155	26	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	1328.1800	45.27	-48.09	25.14	-72.95	-13.00	59.95	104	302	Vertical
2	1992.2700	44.98	-47.91	25.88	-72.31	-13.00	59.31	189	121	Vertical
3	2656.3600	44.91	-47.00	27.61	-69.73	-13.00	56.73	232	333	Vertical
4	3320.4500	44.43	-46.65	28.49	-68.99	-13.00	55.99	154	105	Vertical
5	3984.5400	43.43	-46.20	29.08	-68.95	-13.00	55.95	188	43	Vertical
6	4648.6300	43.84	-45.79	30.63	-66.59	-13.00	53.59	122	185	Vertical



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Test Band = LTE band 71_ TM1_20MHz
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.1800	46.91	-48.07	25.13	-71.29	-13.00	58.29	214	0	Horizontal
2	2022.2700	44.13	-47.86	25.96	-73.02	-13.00	60.02	105	279	Horizontal
3	2696.3600	44.00	-47.05	27.69	-70.61	-13.00	57.61	187	114	Horizontal
4	3370.4500	44.07	-46.58	28.52	-69.25	-13.00	56.25	231	104	Horizontal
5	4044.5400	42.92	-46.07	29.21	-69.20	-13.00	56.20	144	294	Horizontal
6	4718.6300	42.91	-45.77	30.78	-67.34	-13.00	54.34	133	359	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	1348.1800	45.64	-48.07	25.13	-72.56	-13.00	59.56	118	0	Vertical
2	2022.2700	44.25	-47.86	25.96	-72.90	-13.00	59.90	159	3	Vertical
3	2696.3600	44.00	-47.05	27.69	-70.61	-13.00	57.61	132	349	Vertical
4	3370.4500	43.94	-46.58	28.52	-69.38	-13.00	56.38	258	177	Vertical
5	4044.5400	42.44	-46.07	29.21	-69.68	-13.00	56.68	221	360	Vertical
6	4718.6300	43.36	-45.77	30.78	-66.89	-13.00	53.89	114	240	Vertical



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Test Band = LTE band 71_ TM1_20MHz
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.1800	45.96	-48.05	25.12	-72.23	-13.00	59.23	203	178	Horizontal
2	2037.2700	45.33	-47.83	26.00	-71.75	-13.00	58.75	156	51	Horizontal
3	2716.3600	44.11	-47.03	27.73	-70.45	-13.00	57.45	259	162	Horizontal
4	3395.4500	44.00	-46.55	28.54	-69.27	-13.00	56.27	123	2	Horizontal
5	4074.5400	42.56	-45.98	29.28	-69.40	-13.00	56.40	102	1	Horizontal
6	4753.6300	42.24	-45.71	30.86	-67.88	-13.00	54.88	214	208	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	1358.1800	45.72	-48.05	25.12	-72.47	-13.00	59.47	112	104	Vertical
2	2037.2700	44.71	-47.83	26.00	-72.37	-13.00	59.37	145	122	Vertical
3	2716.3600	45.38	-47.03	27.73	-69.18	-13.00	56.18	132	26	Vertical
4	3395.4500	43.40	-46.55	28.54	-69.87	-13.00	56.87	158	327	Vertical
5	4074.5400	43.20	-45.98	29.28	-68.76	-13.00	55.76	221	360	Vertical
6	4753.6300	42.51	-45.71	30.86	-67.61	-13.00	54.61	287	359	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-7.00	-0.010249	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-9.40	-0.013763	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-9.50	-0.013909	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-6.00	-0.008785	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-11.10	-0.016252	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-10.10	-0.014788	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-7.20	-0.010542	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-10.30	-0.015081	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-2.80	-0.004100	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-11.10	-0.016252	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-5.10	-0.007467	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-10.40	-0.015227	PASS

---End of Attachment---



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Wireless Laboratory

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