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Appendix B.19

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



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



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



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



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



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



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.36	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.94	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.70	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.24	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.70	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.56	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.60	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.22	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.08	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.80	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.74	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.58	13	PASS



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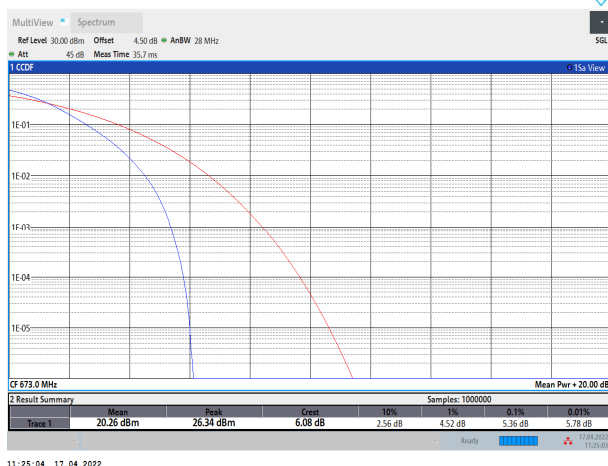
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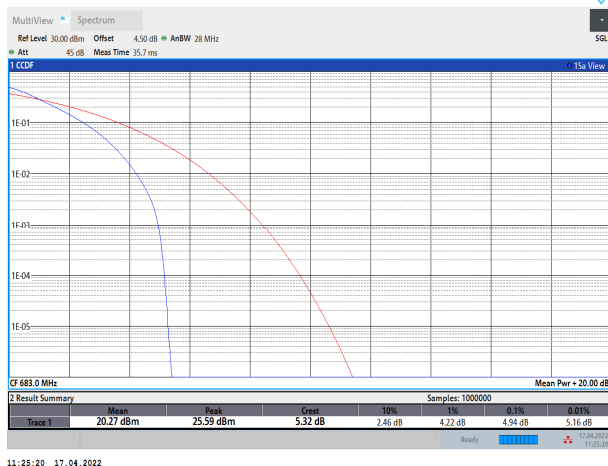
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Test Graphs

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



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



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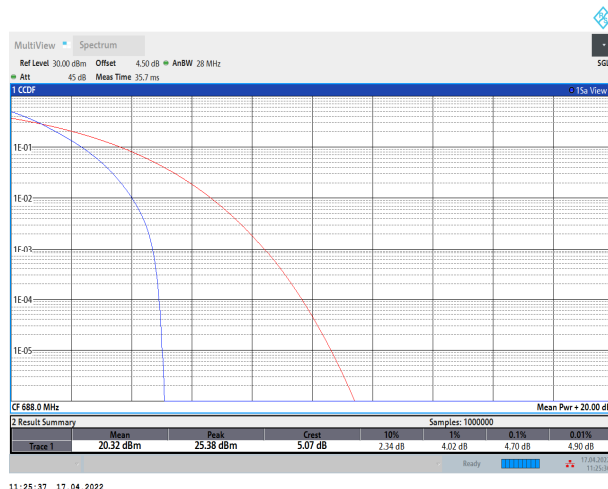
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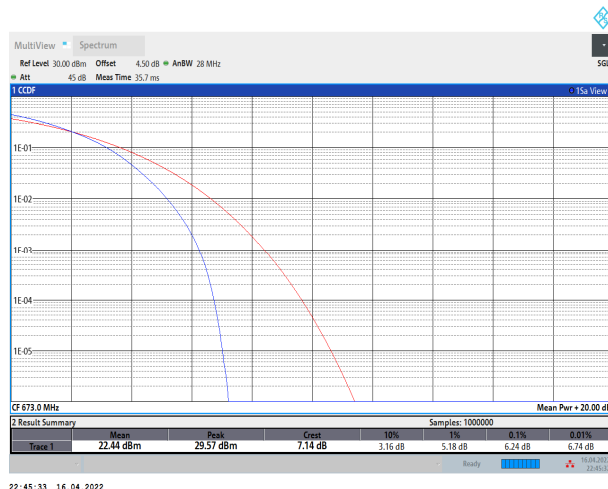
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Band71-20MHz-QPSK-133372-100RB#0



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

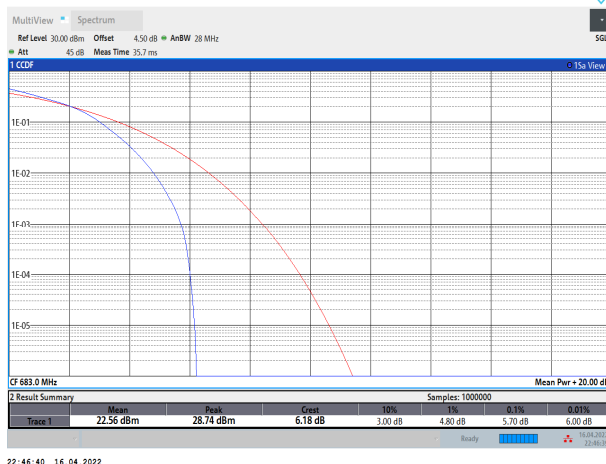


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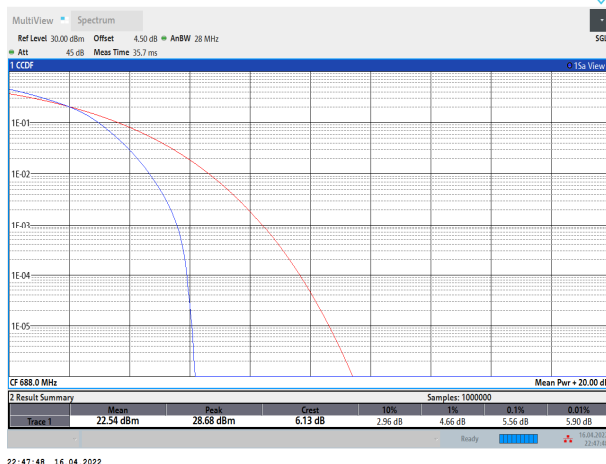
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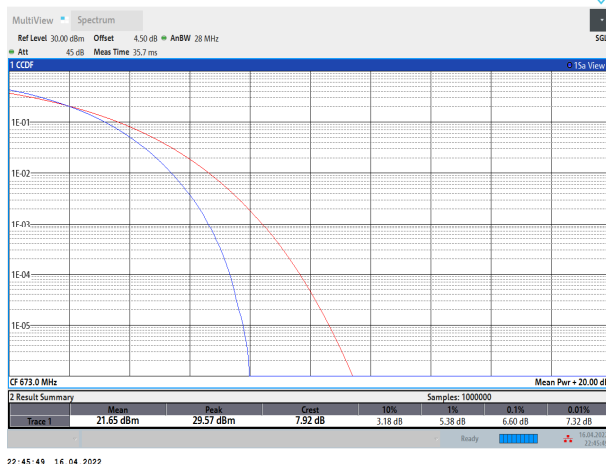
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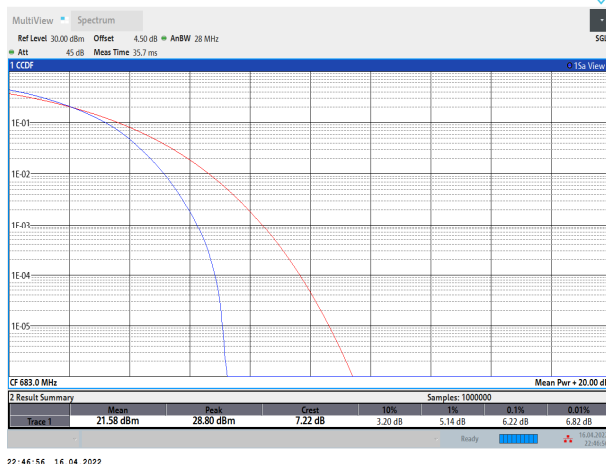
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Band71-20MHz-64QAM-133222-100RB#0



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



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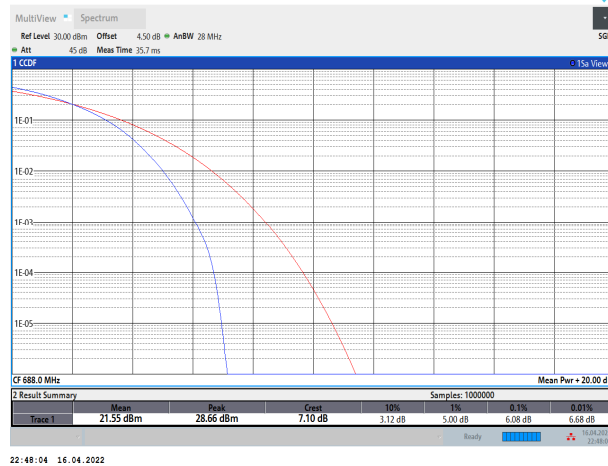
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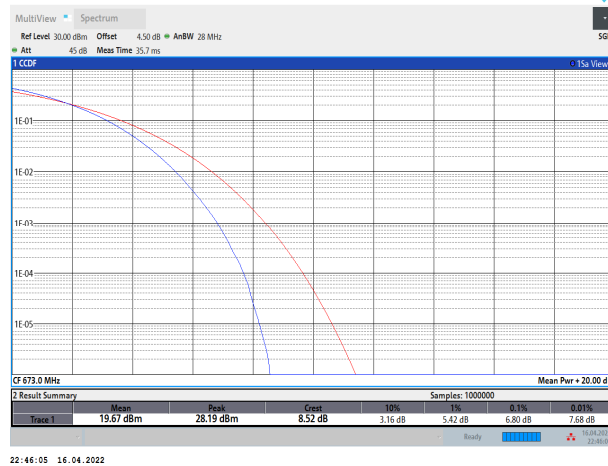
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Band71-20MHz-64QAM-133372-100RB#0



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



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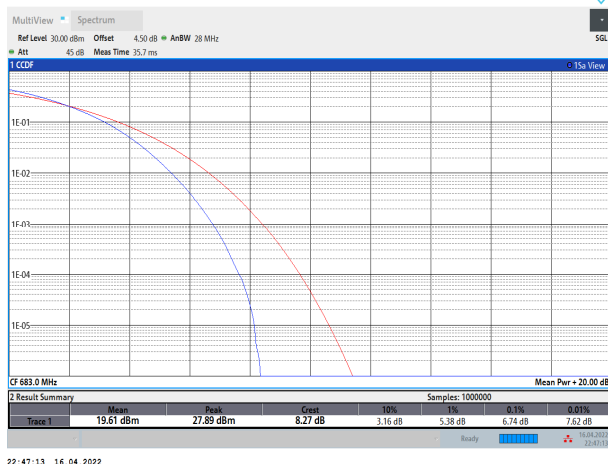
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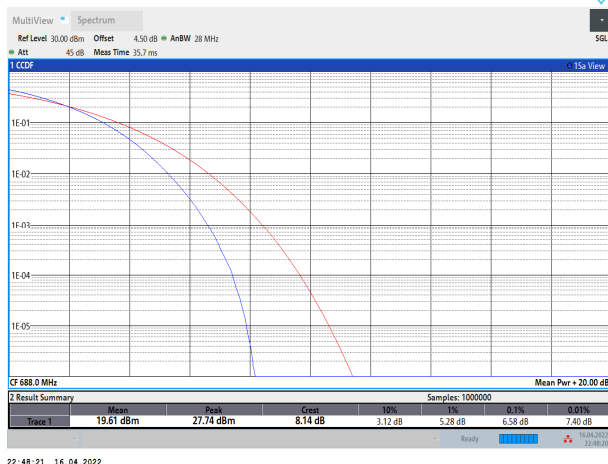
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Band71-20MHz-256QAM-133322-100RB#0



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	133147	25RB#0	4.487	5.05	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.484	5.04	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.477	5.06	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.485	5.01	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.479	5.08	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.48	5.08	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.492	5.04	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.481	5.02	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.471	5.07	PASS
Band71	5MHz	256QAM	133147	25RB#0	4.487	5.07	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.482	5.00	PASS
Band71	5MHz	256QAM	133447	25RB#0	4.476	5.05	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.923	9.80	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.953	9.88	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.945	9.78	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.915	9.74	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.947	9.90	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.932	9.82	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.919	9.64	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.947	9.78	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.926	9.80	PASS
Band71	10MHz	256QAM	133172	50RB#0	8.914	9.74	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.943	9.96	PASS
Band71	10MHz	256QAM	133422	50RB#0	8.929	9.76	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.387	14.94	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.498	15.09	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.449	15.09	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.369	14.94	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.497	15.06	PASS



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Band71	15MHz	16QAM	133397	75RB#0	13.430	14.91	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.375	14.88	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.480	14.94	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.425	14.82	PASS
Band71	15MHz	256QAM	133197	75RB#0	13.379	14.67	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.489	15.00	PASS
Band71	15MHz	256QAM	133397	75RB#0	13.407	14.85	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.782	19.40	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.852	19.64	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.786	19.56	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.794	19.36	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.855	19.64	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.803	19.36	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.785	19.52	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.863	19.48	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.796	19.40	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.784	19.60	PASS
Band71	20MHz	256QAM	133322	100RB#0	17.825	19.56	PASS
Band71	20MHz	256QAM	133372	100RB#0	17.808	19.80	PASS



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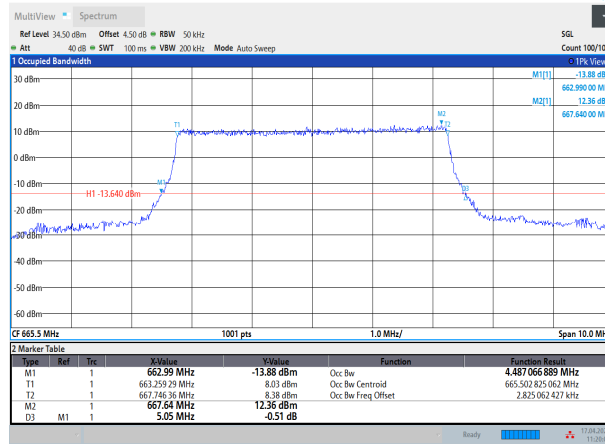
Report No.: SEWA2309000114RG05

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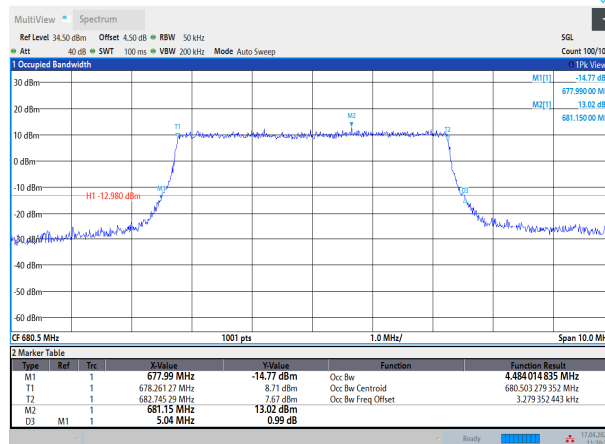
Test Graphs

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



11:20:06 17.04.2022

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



11:20:21 17.04.2022



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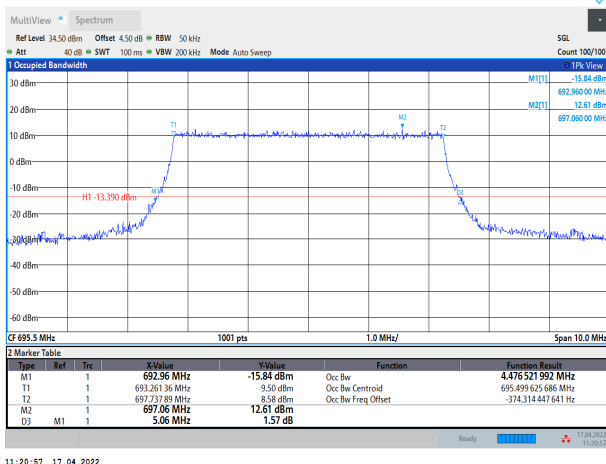
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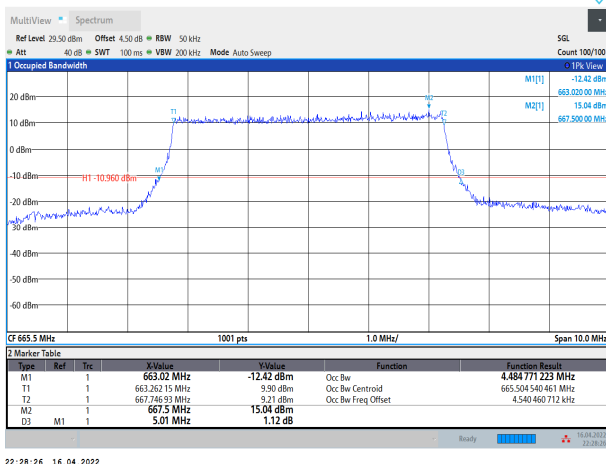
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Band71-5MHz-QPSK-133447-25RB#0



11:20:57 17.04.2022

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



22:28:26 16.04.2022



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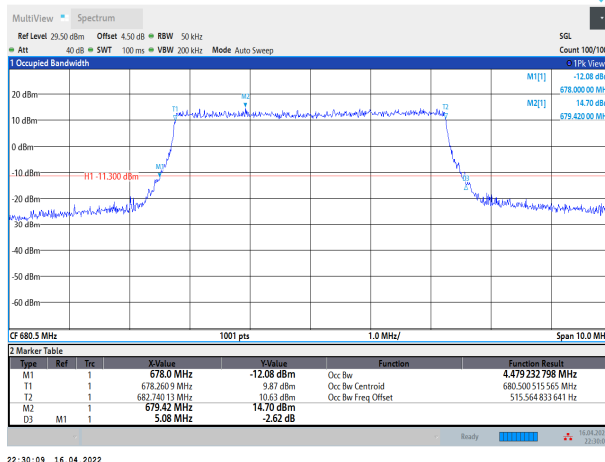
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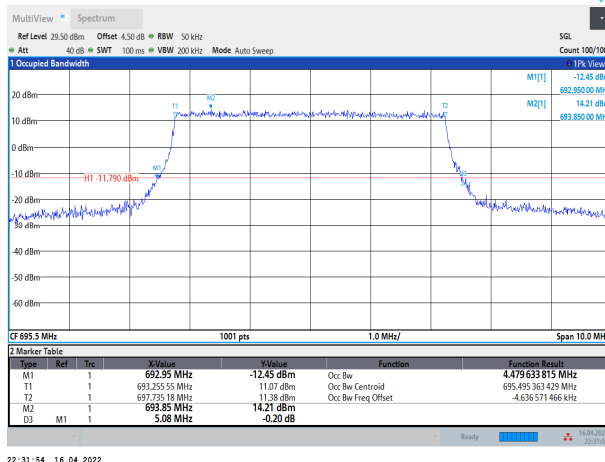
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Band71-5MHz-16QAM-133297-25RB#0



22:30:09 16.04.2022

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



22:31:54 16.04.2022



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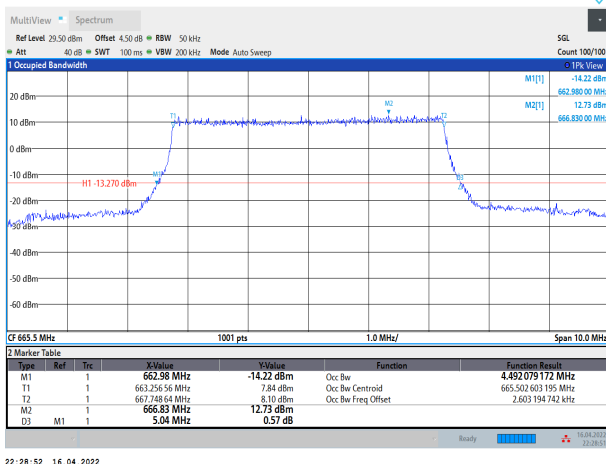
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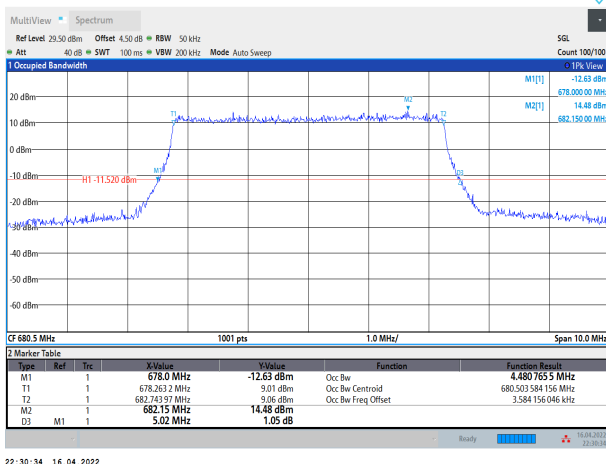
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Band71-5MHz-64QAM-133147-25RB#0



22:29:52 16.04.2022

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



22:30:34 16.04.2022



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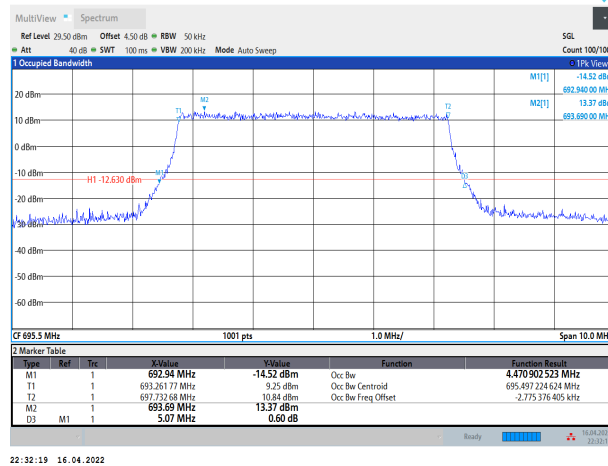
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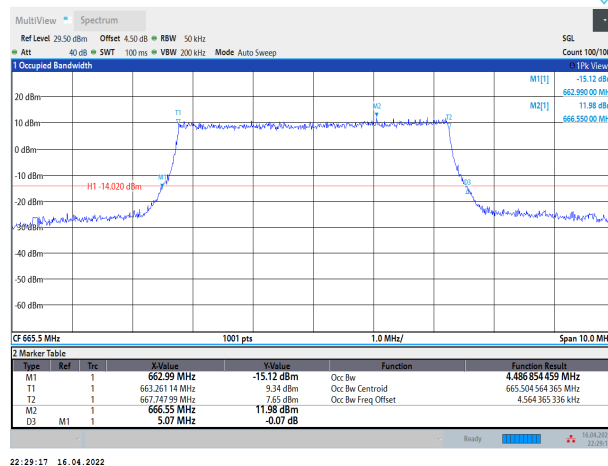
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Band71-5MHz-64QAM-133447-25RB#0



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



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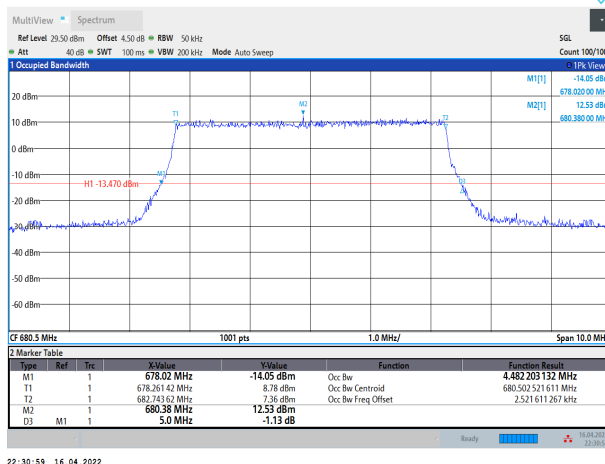
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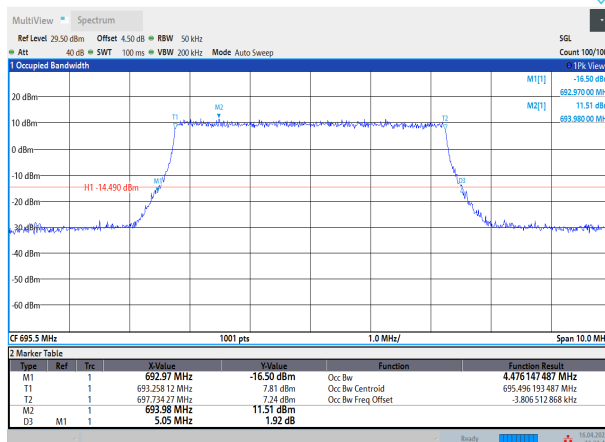
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Band71-5MHz-256QAM-133297-25RB#0



22:30:59 16.04.2022

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



22:32:44 16.04.2022



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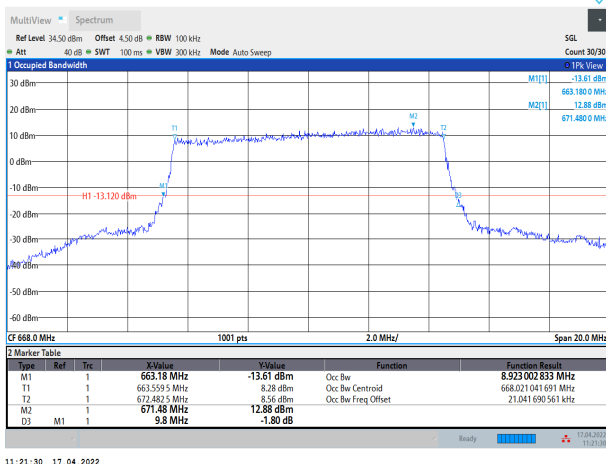
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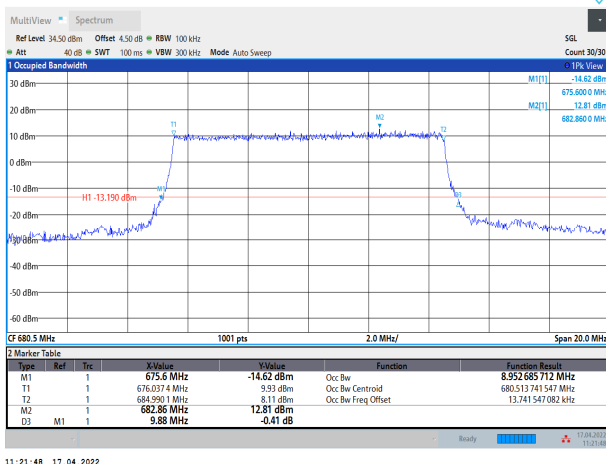
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Band71-10MHz-QPSK-133172-50RB#0



11:21:30 17.04.2022

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



11:21:48 17.04.2022



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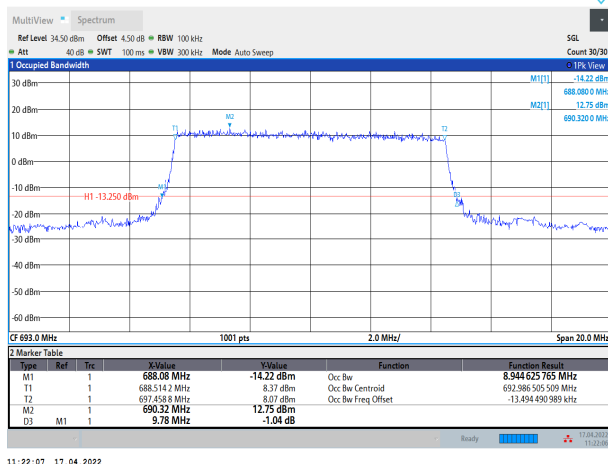
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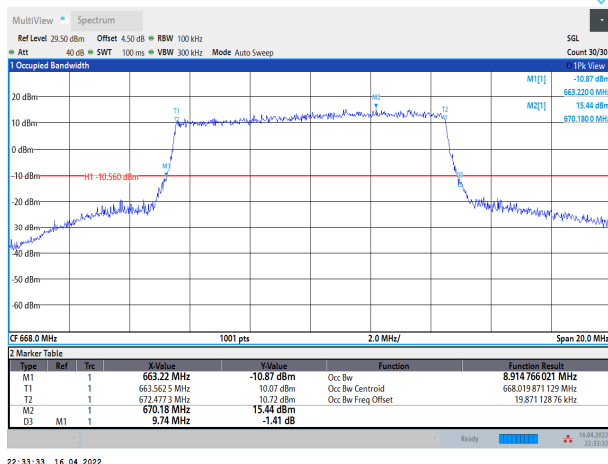
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Band71-10MHz-QPSK-133422-50RB#0



11:22:07 17.04.2022

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



22:33:33 16.04.2022



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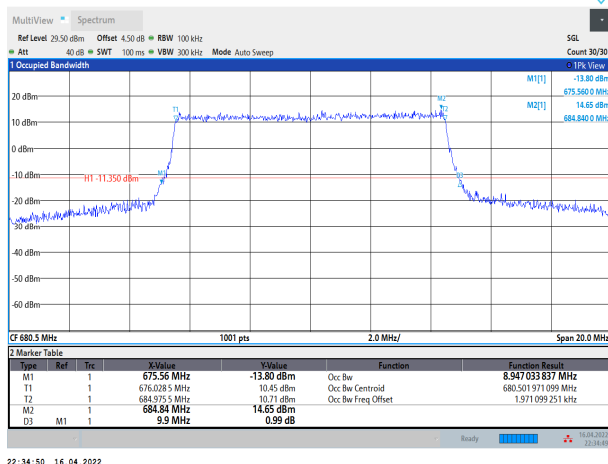
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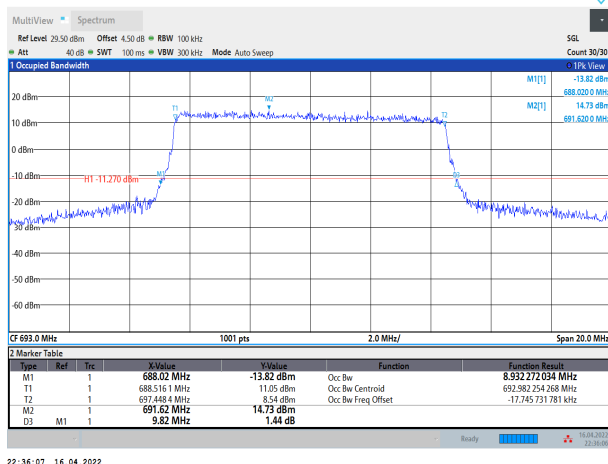
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Band71-10MHz-16QAM-133297-50RB#0



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



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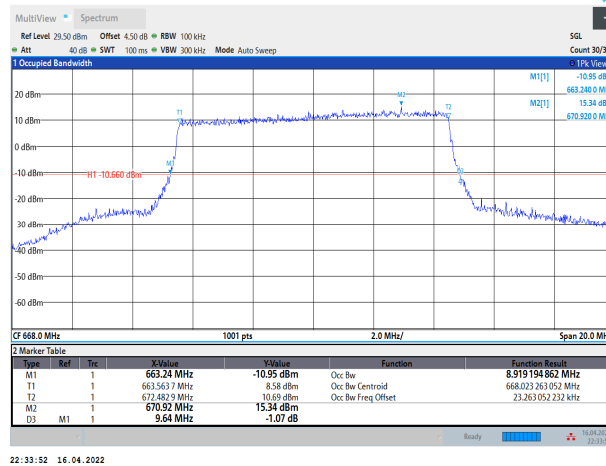
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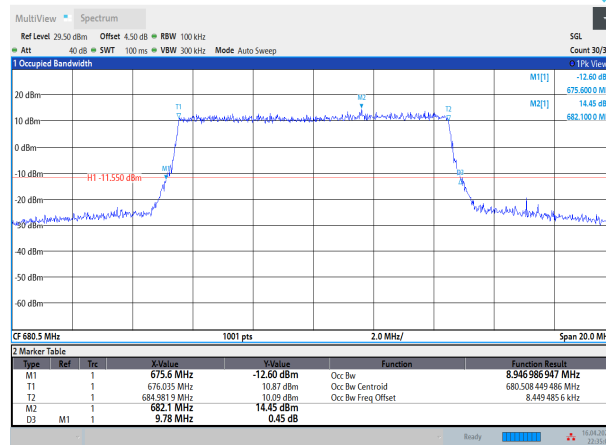
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Band71-10MHz-64QAM-133172-50RB#0



22:33:52 16.04.2022

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



22:35:08 16.04.2022



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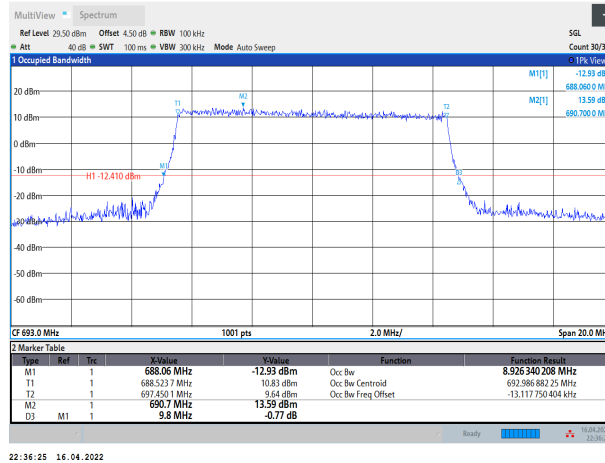
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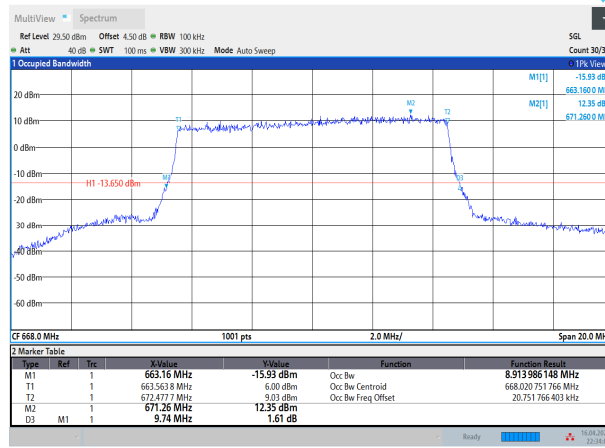
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Band71-10MHz-64QAM-133422-50RB#0



22:36:25 16.04.2022

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



22:34:10 16.04.2022



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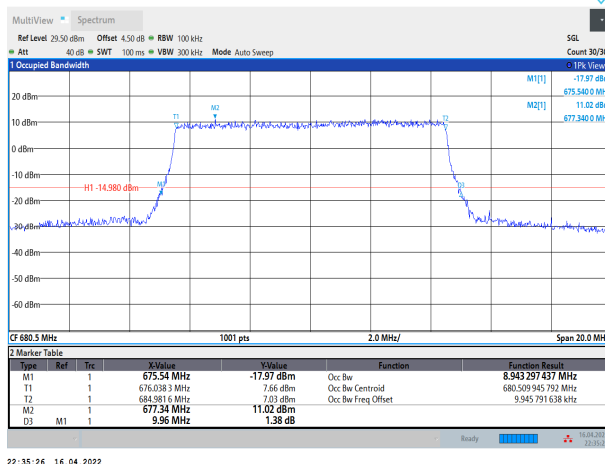
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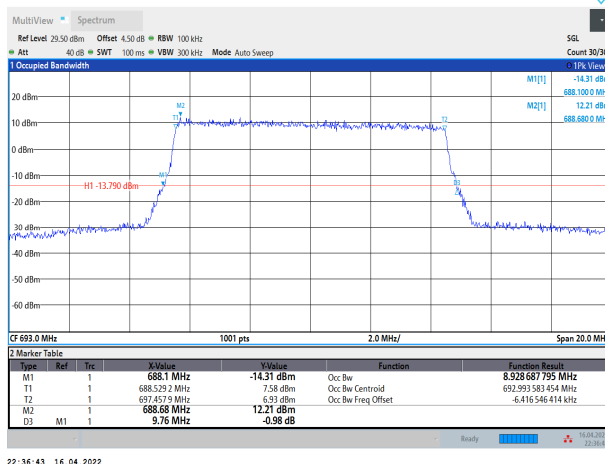
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Band71-10MHz-256QAM-133297-50RB#0



22:35:26 16.04.2022

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



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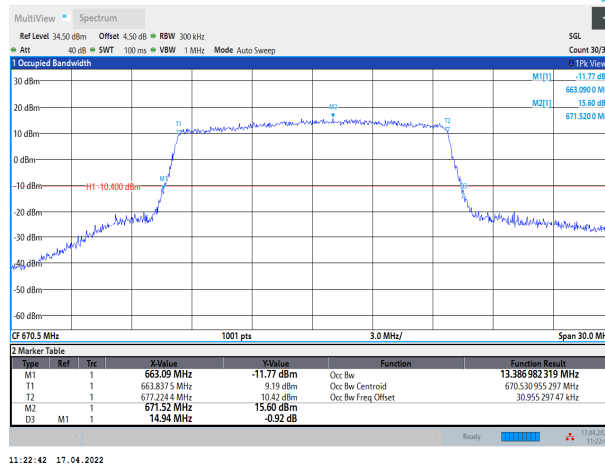
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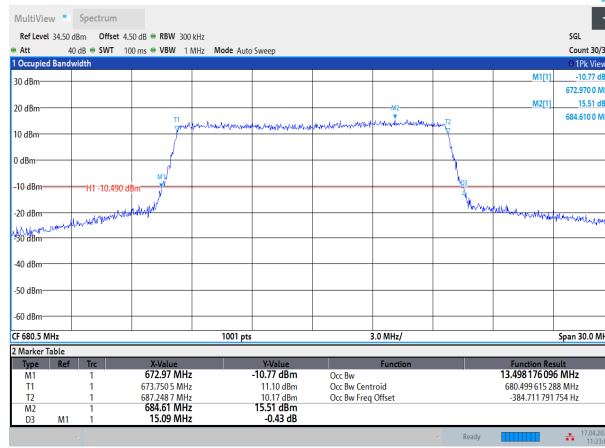
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Band71-15MHz-QPSK-133197-75RB#0



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



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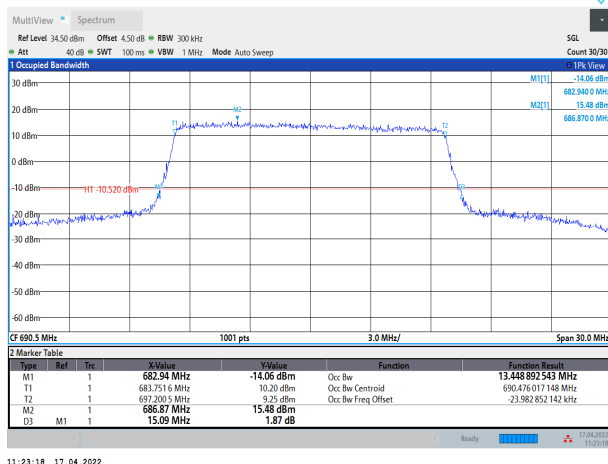
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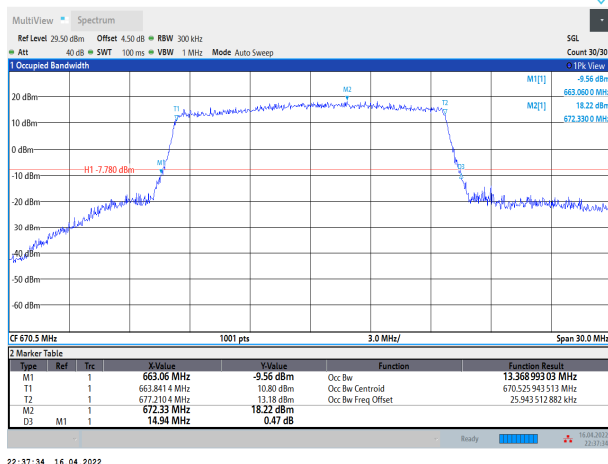
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Band71-15MHz-QPSK-133397-75RB#0



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



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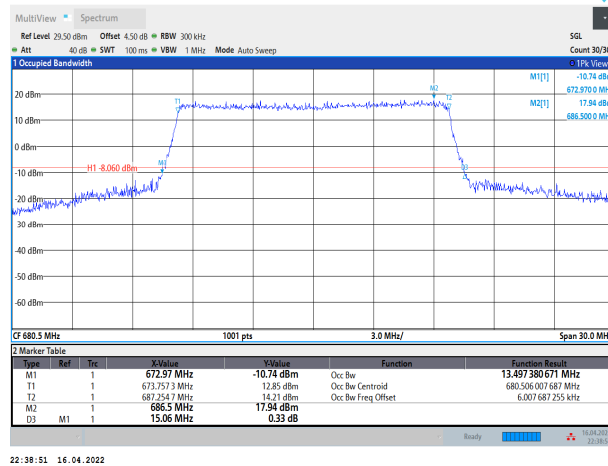
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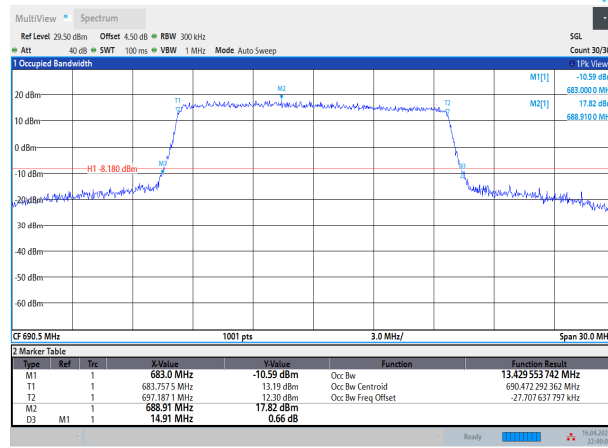
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22:39:51 16.04.2022

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



22:40:08 16.04.2022



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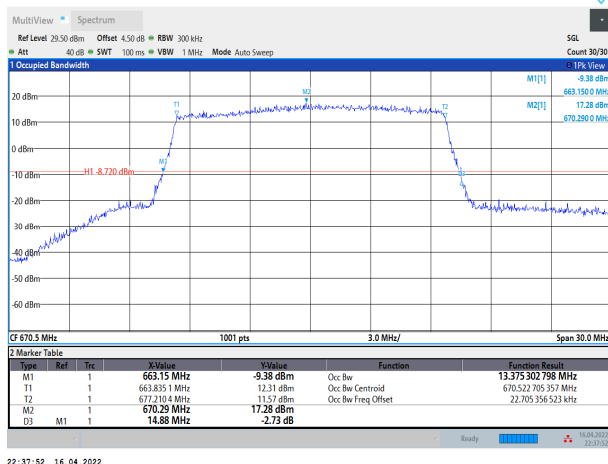
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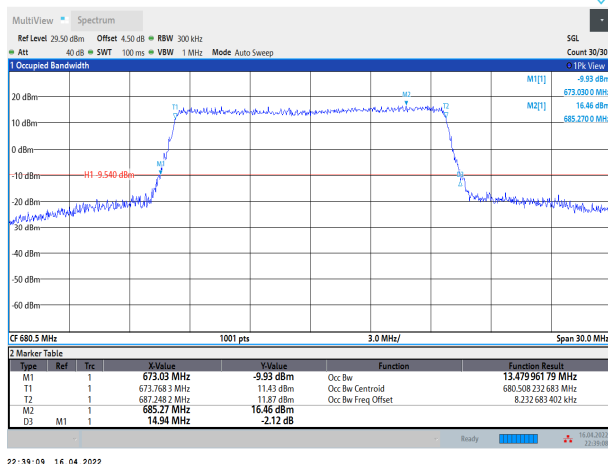
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Band71-15MHz-64QAM-133197-75RB#0



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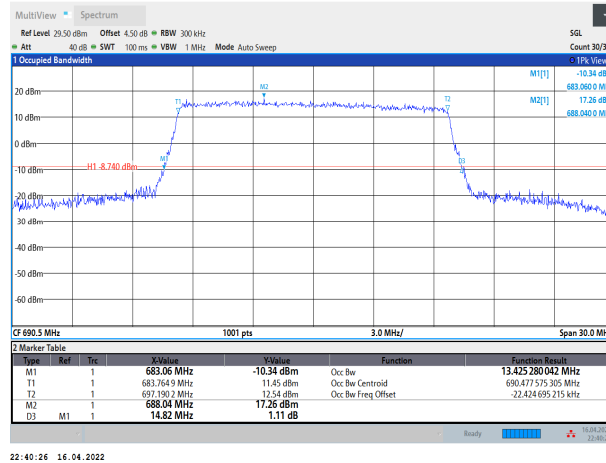
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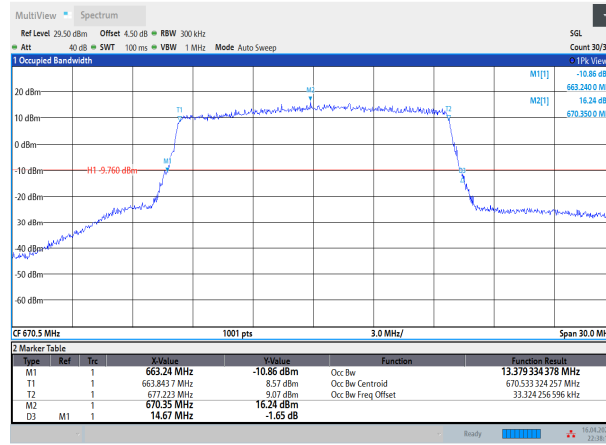
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Band71-15MHz-64QAM-133397-75RB#0



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



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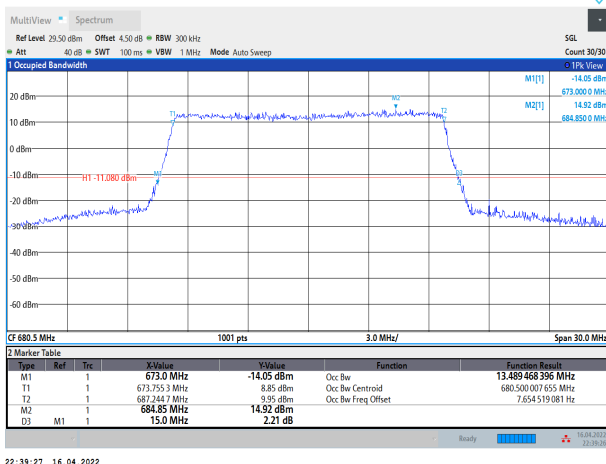
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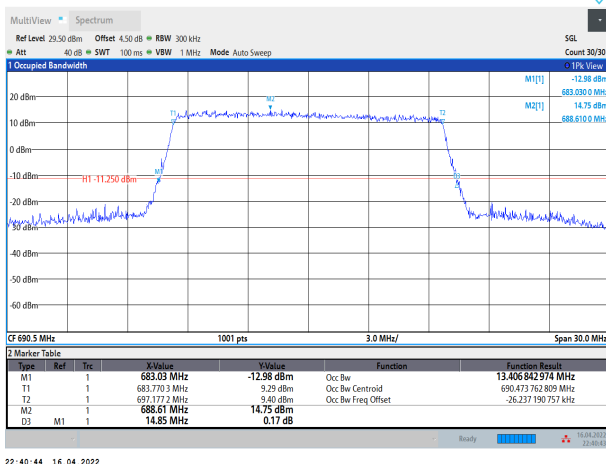
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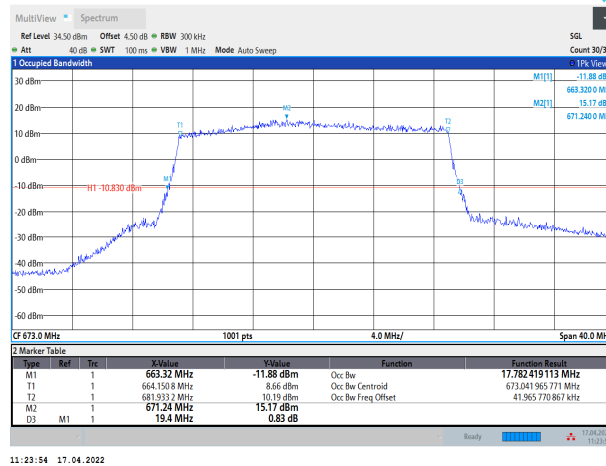
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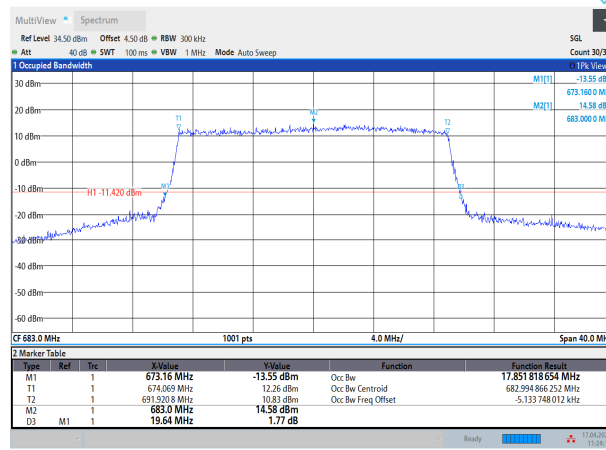
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Band71-20MHz-QPSK-133322-100RB#0



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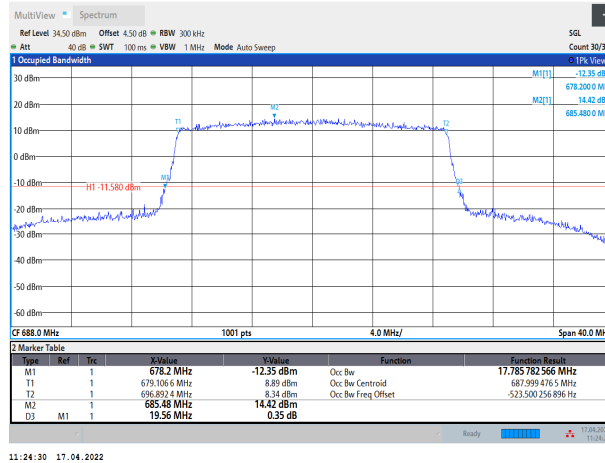
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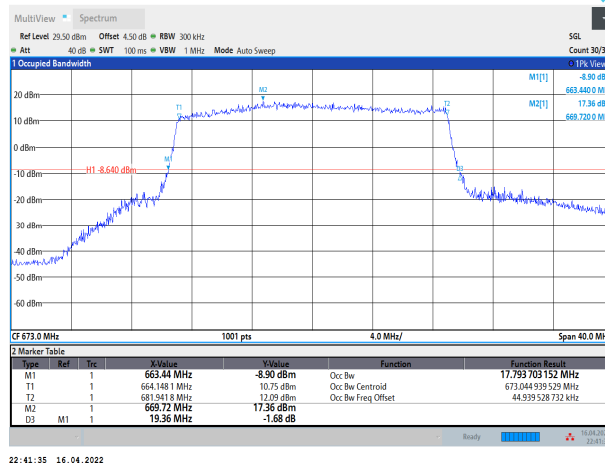
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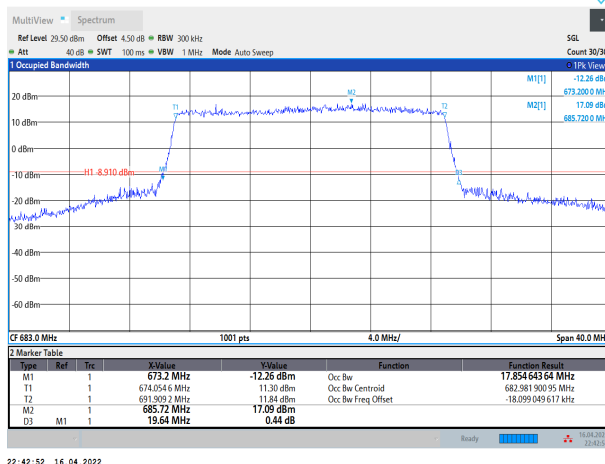
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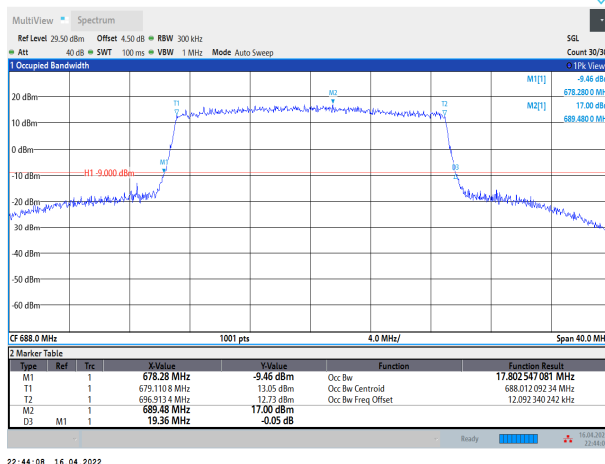
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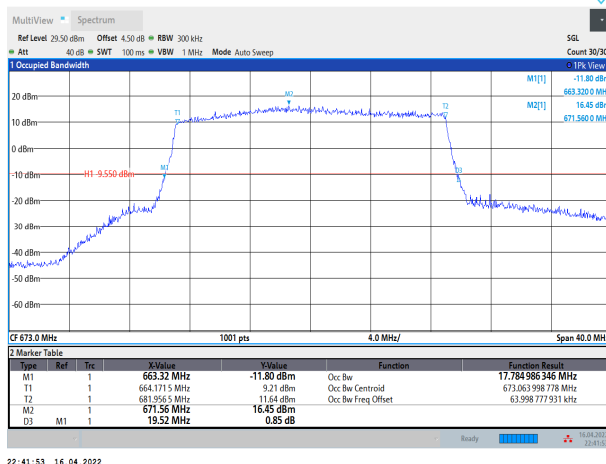
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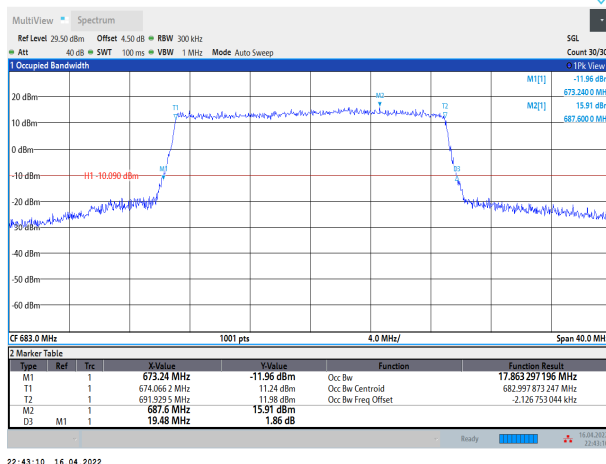
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Band71-20MHz-64QAM-133222-100RB#0



22:41:53 16.04.2022

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



22:43:10 16.04.2022



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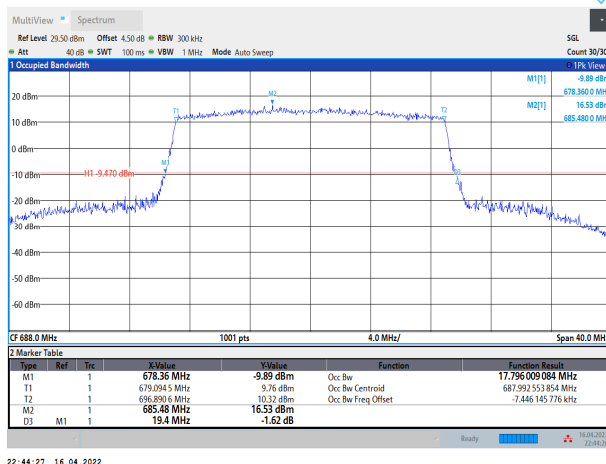
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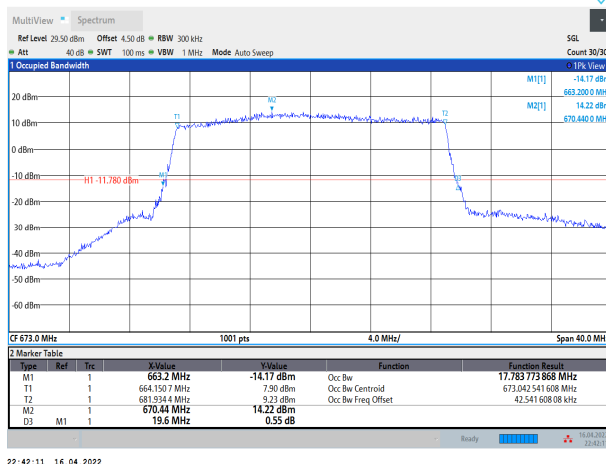
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Band71-20MHz-64QAM-133372-100RB#0



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

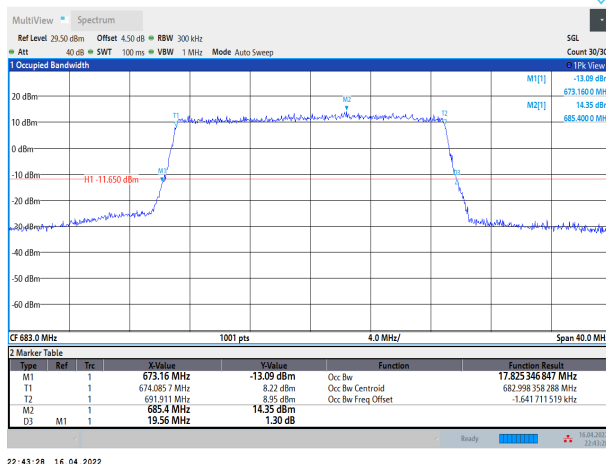


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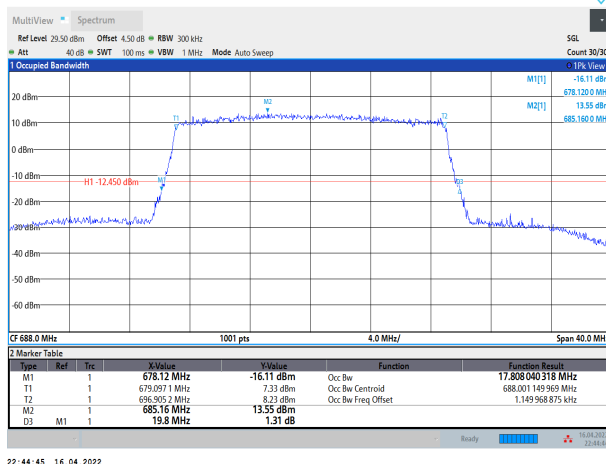
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Band71-20MHz-256QAM-133322-100RB#0



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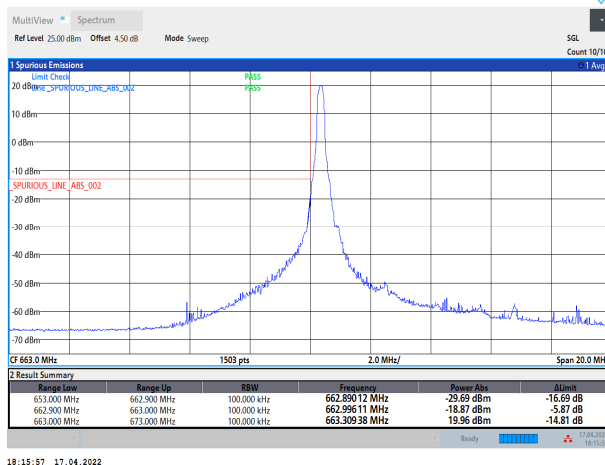
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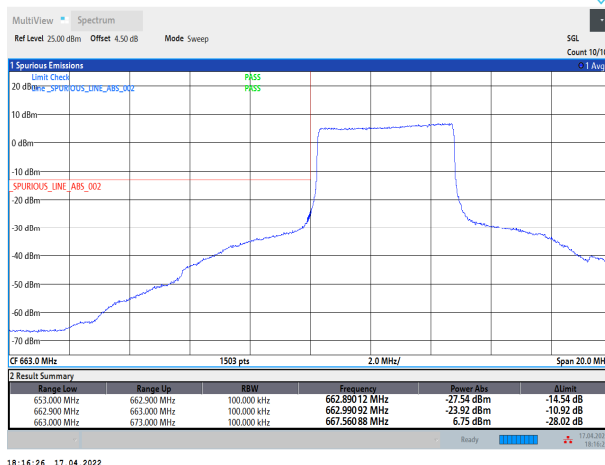
Band Edge

Test Graphs

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



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



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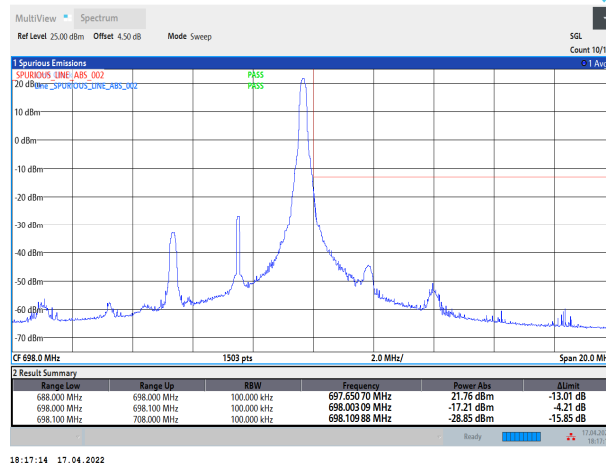
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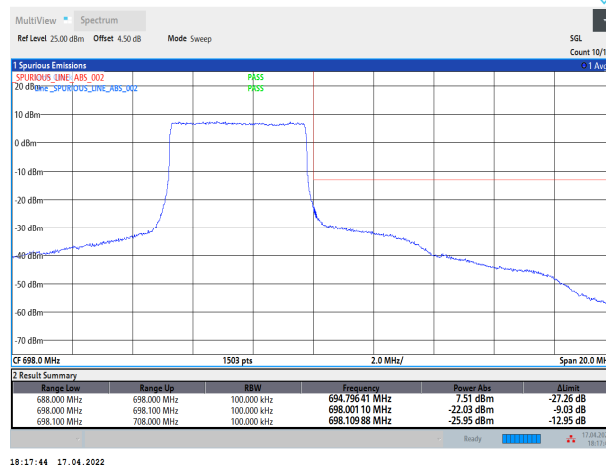
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Band71-5MHz-QPSK-133447-1RB#24



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



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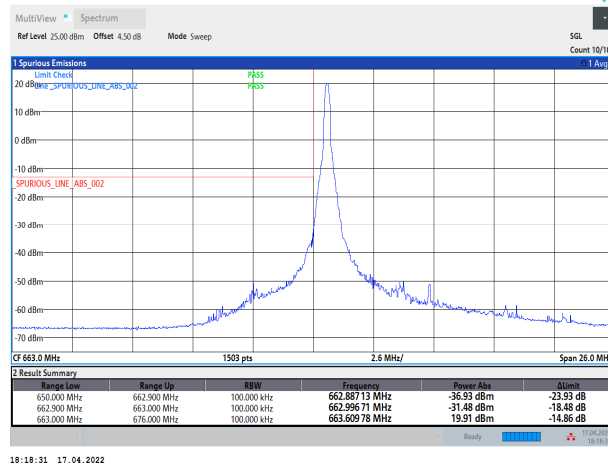
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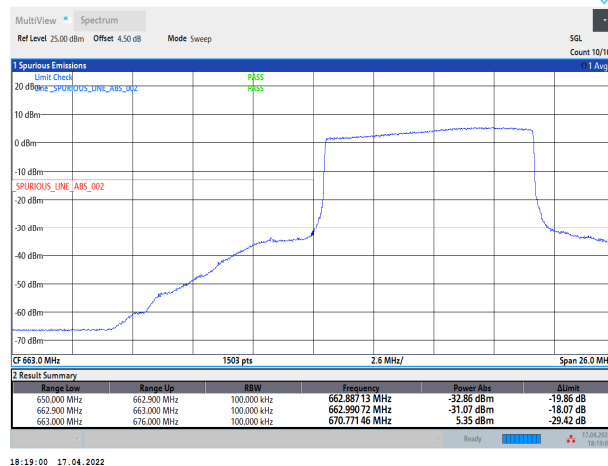
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Band71-10MHz-QPSK-133172-1RB#0



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



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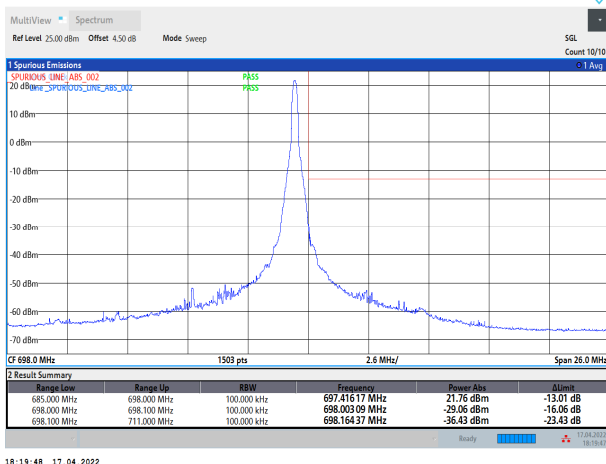
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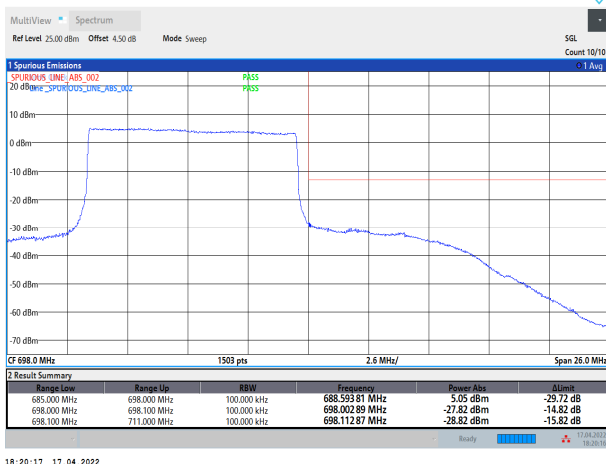
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Band71-10MHz-QPSK-133422-1RB#49



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



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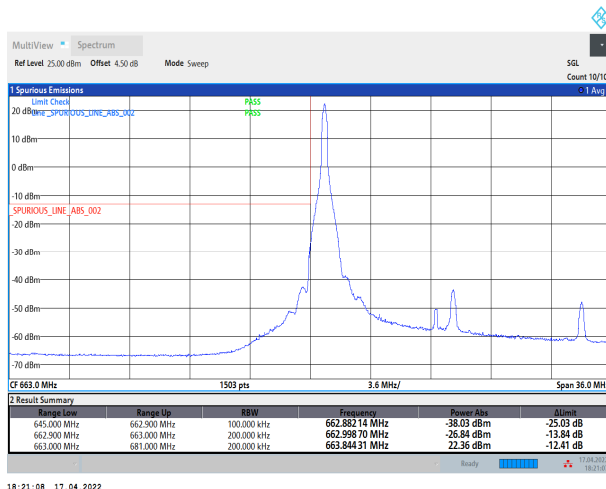
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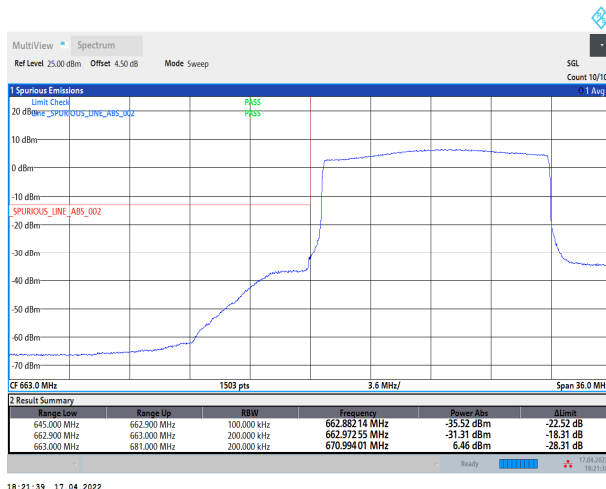
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Band71-15MHz-QPSK-133197-1RB#0



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

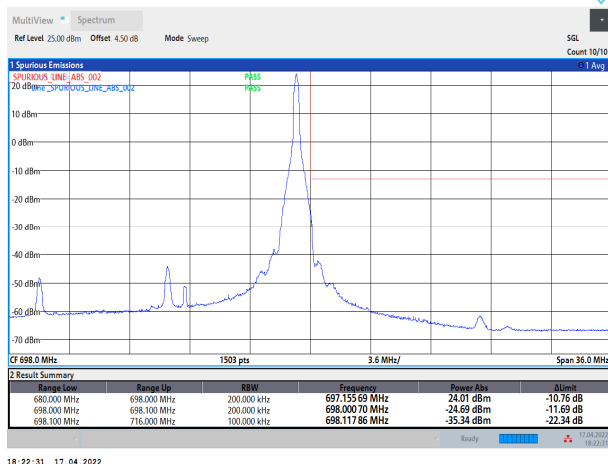


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Band71-15MHz-QPSK-133397-1RB#74



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



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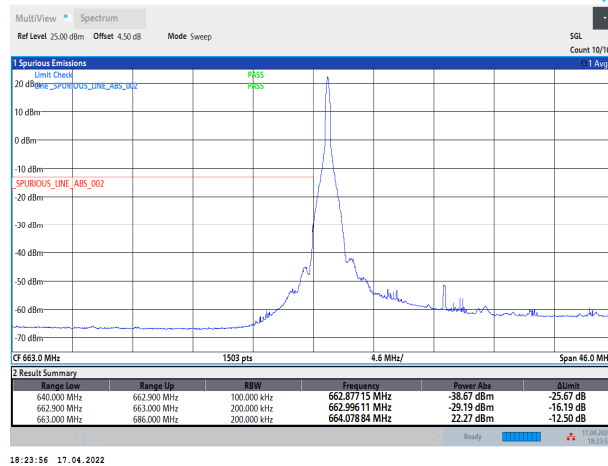
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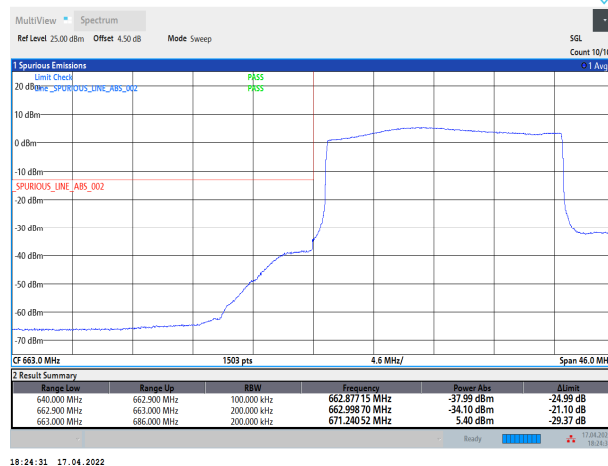
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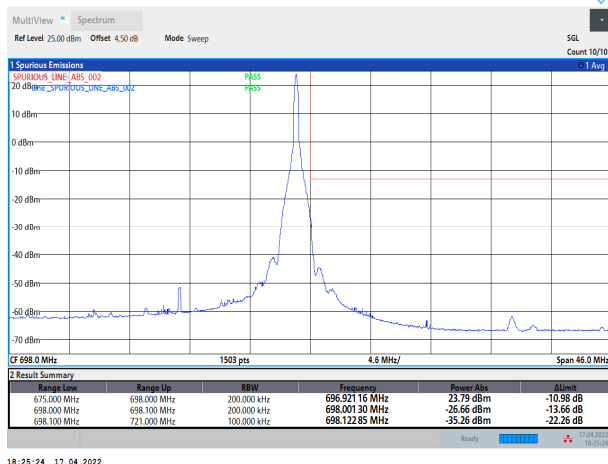
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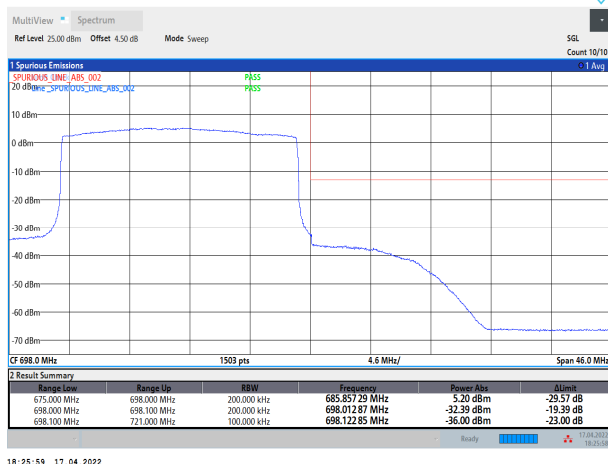
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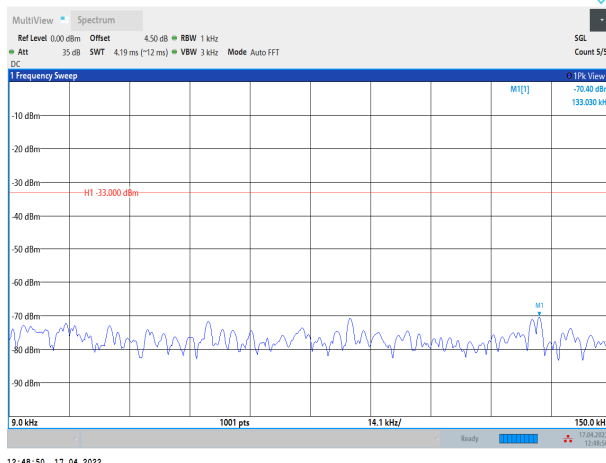
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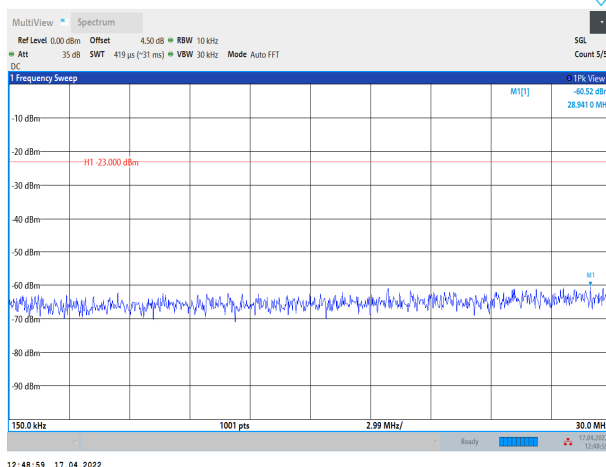
Conducted Spurious Emission

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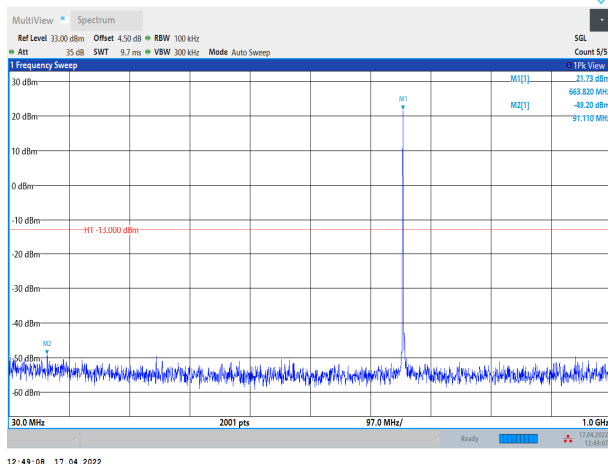
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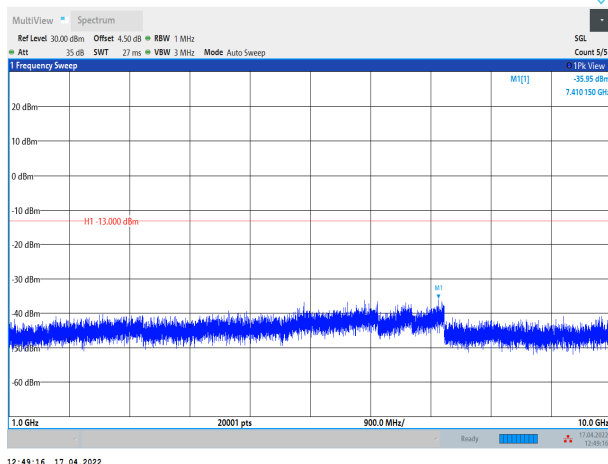
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



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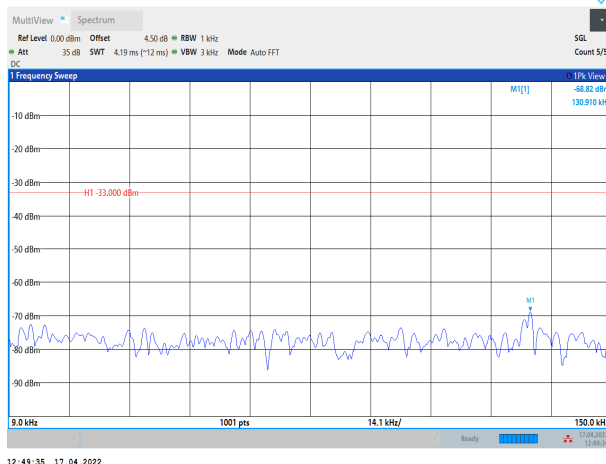
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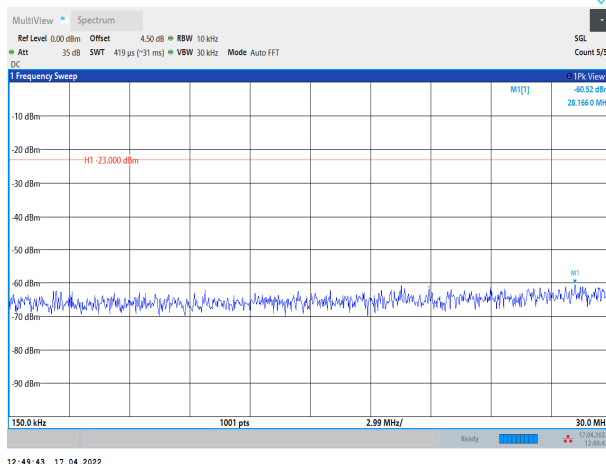
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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



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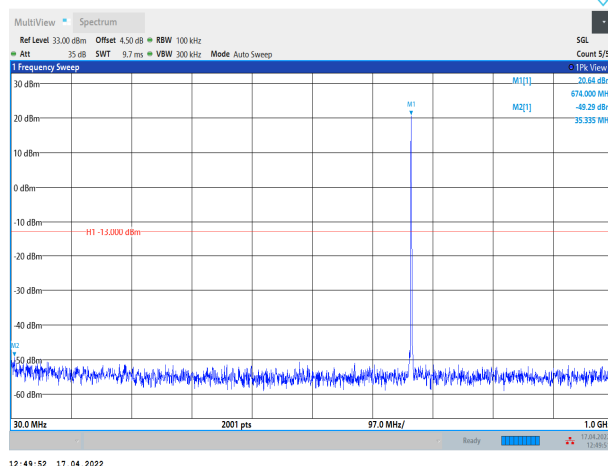
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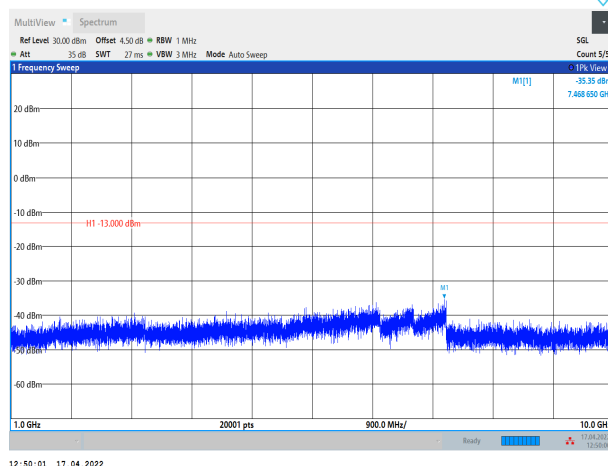
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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



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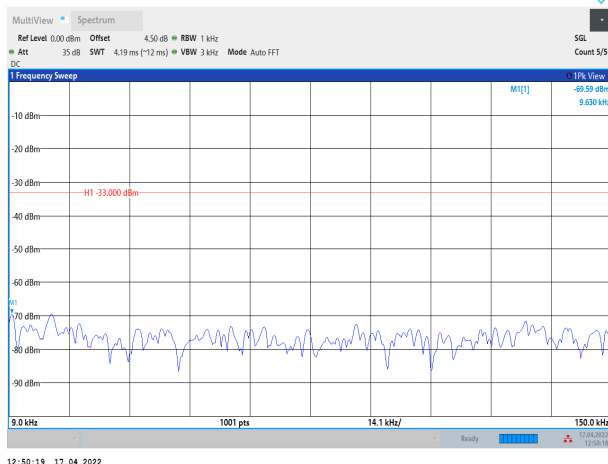
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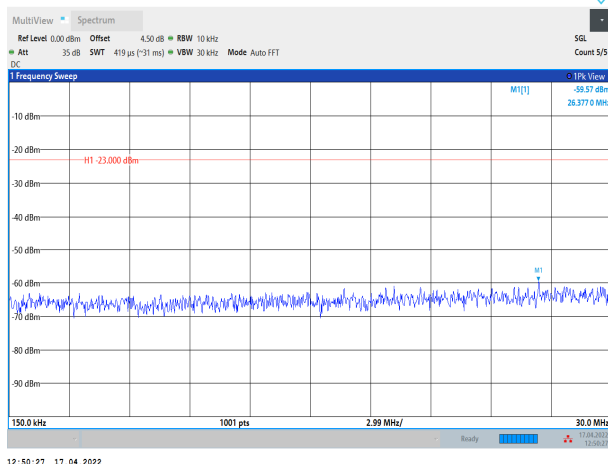
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



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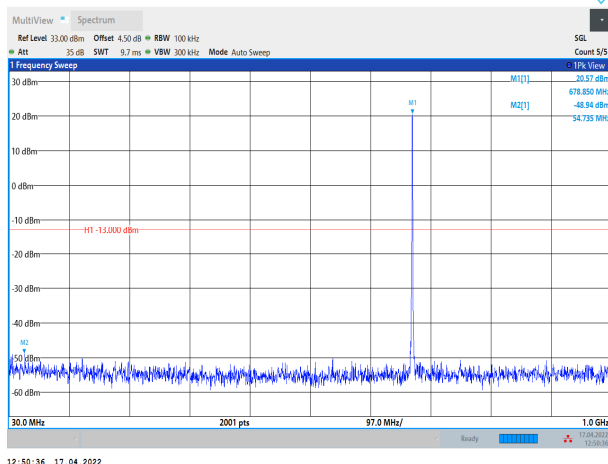
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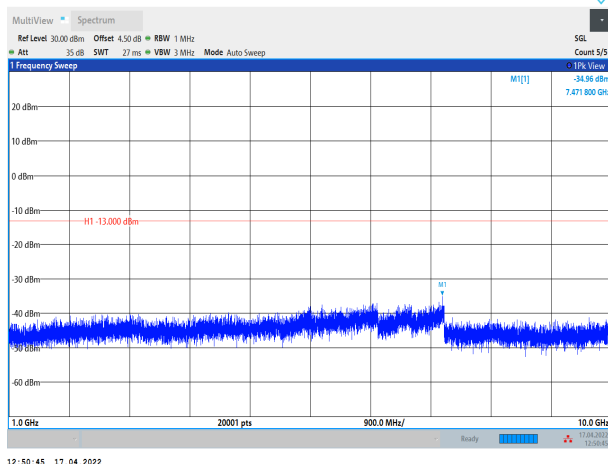
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 71_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328	59.44	-118.50	-59.06	-13.00	46.06	162	19	Horizontal
2	1992.27	53.11	-116.48	-63.37	-13.00	50.37	241	342	Horizontal
3	2656.36	51.73	-113.96	-62.23	-13.00	49.23	176	354	Horizontal
4	3320.45	51.16	-111.94	-60.78	-13.00	47.78	284	176	Horizontal
5	3984.54	50.41	-110.20	-59.79	-13.00	46.79	196	354	Horizontal
6	4648.63	49.85	-108.09	-58.24	-13.00	45.24	266	40	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	53.06	-118.51	-65.45	-13.00	52.45	152	142	Vertical
2	1992.27	53.99	-116.48	-62.49	-13.00	49.49	262	268	Vertical
3	2656.36	52.04	-113.96	-61.92	-13.00	48.92	241	225	Vertical
4	3320.45	50.66	-111.94	-61.28	-13.00	48.28	178	0	Vertical
5	3984.54	49.99	-110.20	-60.21	-13.00	47.21	368	194	Vertical
6	4648.63	49.81	-108.09	-58.28	-13.00	45.28	284	163	Vertical



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Test Band = LTE Band 71_ TM1

Test Channel = Mid Channel

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.18	53.19	-118.53	-65.34	-13.00	52.34	263	193	Horizontal
2	2022.27	52.40	-116.34	-63.94	-13.00	50.94	145	360	Horizontal
3	2696.36	52.10	-113.75	-61.65	-13.00	48.65	263	356	Horizontal
4	3370.45	51.50	-112.04	-60.54	-13.00	47.54	214	143	Horizontal
5	4044.54	48.64	-110.05	-61.41	-13.00	48.41	186	132	Horizontal
6	4718.63	49.60	-107.89	-58.29	-13.00	45.29	266	360	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.18	53.90	-118.53	-64.63	-13.00	51.63	263	298	Vertical
2	2022.27	52.99	-116.34	-63.35	-13.00	50.35	251	0	Vertical
3	2696.36	52.11	-113.75	-61.64	-13.00	48.64	176	350	Vertical
4	3370.45	52.83	-112.04	-59.21	-13.00	46.21	254	70	Vertical
5	4044.54	50.37	-110.05	-59.68	-13.00	46.68	178	27	Vertical
6	4718.63	49.82	-107.89	-58.07	-13.00	45.07	264	279	Vertical



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Report No.: SEWA2309000114RG05

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Test Band = LTE Band 71_ TM1
Test Channel = High Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	54.51	-118.54	-64.03	-13.00	51.03	263	332	Horizontal
2	2037.27	54.61	-116.29	-61.68	-13.00	48.68	251	313	Horizontal
3	2716.36	52.60	-113.61	-61.01	-13.00	48.01	174	51	Horizontal
4	3395.45	52.96	-112.09	-59.13	-13.00	46.13	162	71	Horizontal
5	4074.54	50.00	-109.97	-59.97	-13.00	46.97	284	303	Horizontal
6	4753.63	50.65	-107.83	-57.18	-13.00	44.18	178	360	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	54.15	-118.54	-64.39	-13.00	51.39	263	247	Vertical
2	2037.27	52.48	-116.29	-63.81	-13.00	50.81	251	256	Vertical
3	2716.36	52.07	-113.61	-61.54	-13.00	48.54	174	0	Vertical
4	3395.45	52.69	-112.09	-59.40	-13.00	46.40	186	1	Vertical
5	4074.54	50.27	-109.97	-59.70	-13.00	46.70	264	47	Vertical
6	4753.63	51.78	-107.83	-56.05	-13.00	43.05	188	109	Vertical



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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	0.40	0.000586	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	0.10	0.000146	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	0.10	0.000146	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-0.20	-0.000293	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-1.20	-0.001757	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-0.90	-0.001318	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-2.00	-0.002928	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-0.70	-0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-1.00	-0.001464	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-0.70	-0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-1.10	-0.001611	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	0.30	0.000439	PASS

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