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Appendix B.16

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	22.91	21.7	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.82	21.61	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.7	21.49	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.8	20.59	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.69	21.48	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.78	21.57	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.76	21.55	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.81	20.6	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.51	21.3	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.36	21.15	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.57	21.36	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.7	20.49	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.15	20.94	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.14	20.93	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.07	20.86	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.87	19.66	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.06	20.85	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.24	21.03	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.15	20.94	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.84	19.63	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.52	20.31	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.36	20.15	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.88	20.67	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.75	19.54	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.16	19.95	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21	19.79	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.04	19.83	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	19.84	18.63	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	20.87	19.66	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.02	19.81	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.07	19.86	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	19.86	18.65	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	20.9	19.69	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	20.97	19.76	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	20.92	19.71	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	19.73	18.52	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.78	21.57	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.73	21.52	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.73	21.52	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.75	20.54	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.68	21.47	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.73	21.52	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.75	21.54	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.71	20.5	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.72	21.51	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.71	21.5	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.55	21.34	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	21.67	20.46	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.17	20.96	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.96	20.75	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.2	20.99	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.64	19.43	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.02	20.81	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.2	20.99	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.08	20.87	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.74	19.53	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.18	20.97	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.96	20.75	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.97	20.76	34.77	PASS



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Band71	10MHz	64QAM	133172	1RB#0	20.97	19.76	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	20.85	19.64	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	20.92	19.71	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	19.71	18.5	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21	19.79	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21	19.79	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.05	19.84	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	19.75	18.54	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	20.9	19.69	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	20.89	19.68	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	20.85	19.64	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	19.68	18.47	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.72	21.51	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.57	21.36	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.58	21.37	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.71	20.5	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.7	21.49	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.71	21.5	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.62	21.41	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.78	20.57	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.74	21.53	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.66	21.45	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.55	21.34	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.8	20.59	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.06	20.85	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.02	20.81	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.99	20.78	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.82	19.61	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.02	20.81	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.07	20.86	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.04	20.83	34.77	PASS



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Band71	15MHz	16QAM	133297	75RB#0	20.78	19.57	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.16	20.95	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.06	20.85	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.04	20.83	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.75	19.54	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	20.99	19.78	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	20.9	19.69	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	20.79	19.58	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	19.79	18.58	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	20.79	19.58	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.01	19.8	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.01	19.8	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	19.86	18.65	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	20.87	19.66	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	20.92	19.71	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	20.89	19.68	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	19.79	18.58	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.76	21.55	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.65	21.44	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.67	21.46	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.74	20.53	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.75	21.54	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.72	21.51	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.64	21.43	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.69	20.48	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.8	21.59	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.73	21.52	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.54	21.33	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.77	20.56	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.11	20.9	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	21.98	20.77	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.07	20.86	34.77	PASS



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Band71	20MHz	16QAM	133222	100RB#0	20.79	19.58	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.25	21.04	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.14	20.93	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22	20.79	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.75	19.54	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.03	20.82	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.15	20.94	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.94	20.73	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.77	19.56	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	20.94	19.73	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	20.97	19.76	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	20.99	19.78	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	19.86	18.65	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21	19.79	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21	19.79	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	20.99	19.78	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	19.75	18.54	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.05	19.84	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	20.98	19.77	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	20.9	19.69	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	19.73	18.52	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	5.24	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.60	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.60	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.04	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.06	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.08	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.58	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.62	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.56	13	PASS



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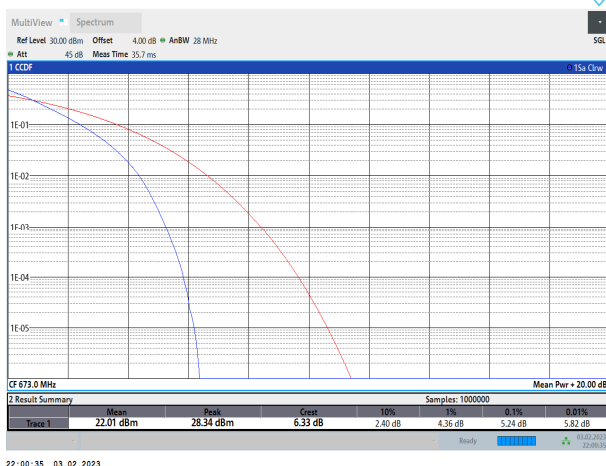
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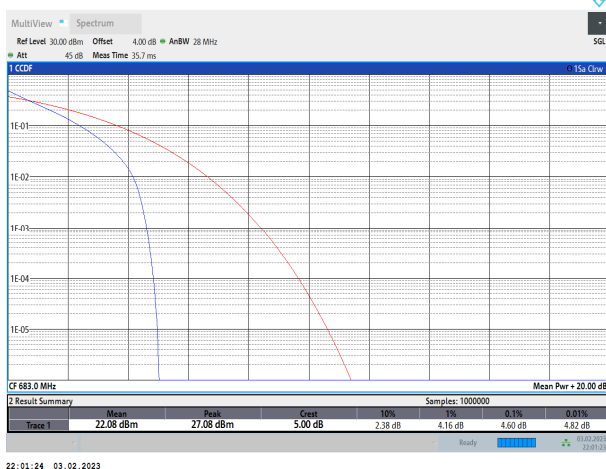
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Test Graphs

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



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



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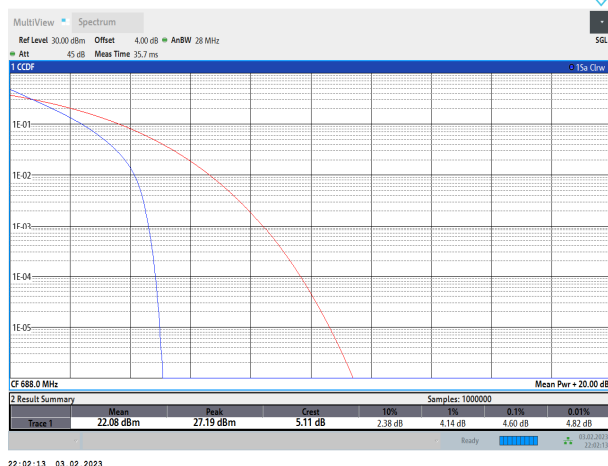
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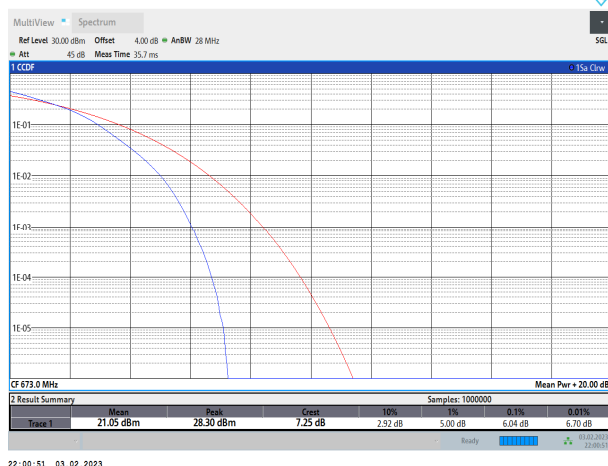
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Band71-20MHz-QPSK-133372-100RB#0



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



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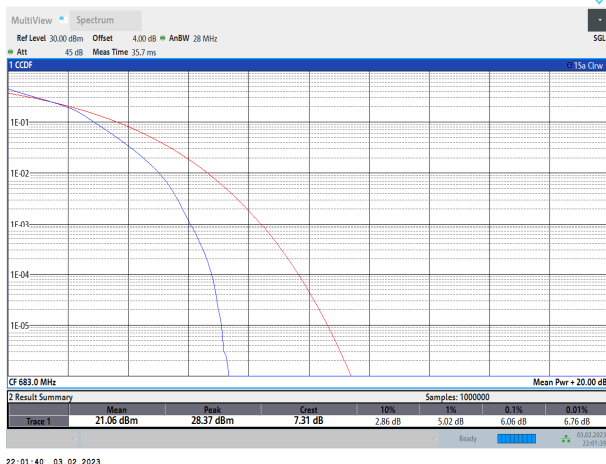
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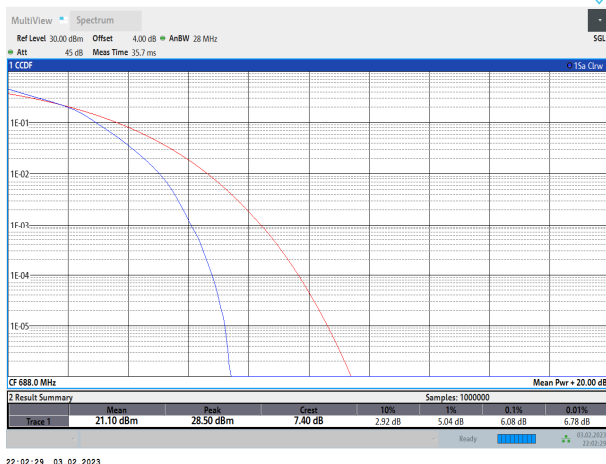
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Band71-20MHz-16QAM-133322-100RB#0



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



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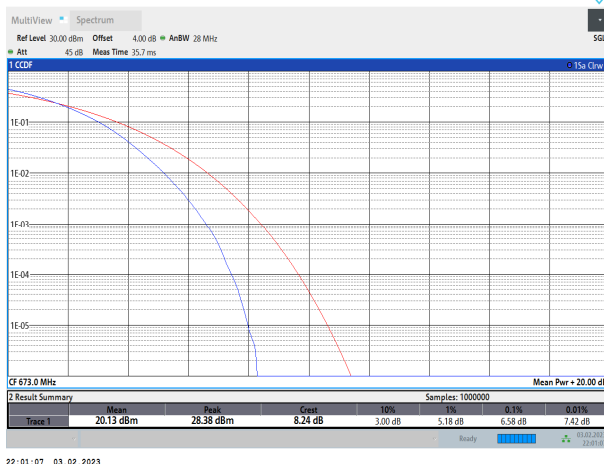
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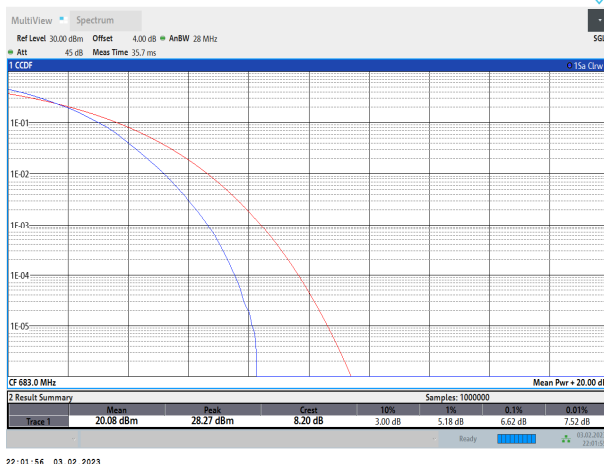
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Band71-20MHz-64QAM-133222-100RB#0



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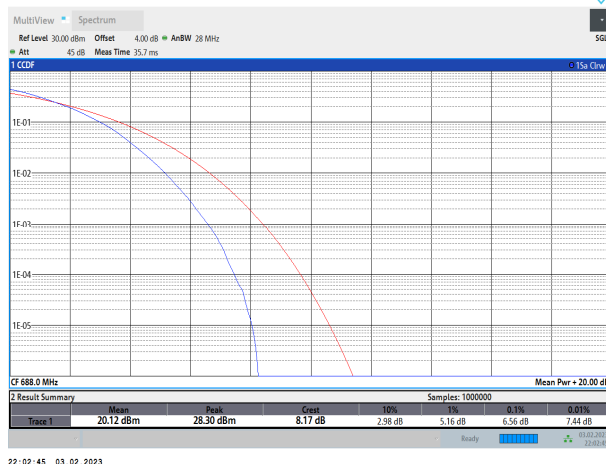
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Band71-20MHz-64QAM-133372-100RB#0



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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	4.471	4.90	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.47	4.88	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.47	4.88	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.468	4.92	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.466	4.89	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.467	4.90	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.48	4.91	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.481	4.90	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.478	4.90	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.925	9.62	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.932	9.60	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.928	9.60	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.921	9.60	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.897	9.60	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.917	9.66	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.936	9.72	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.924	9.64	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.921	9.68	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.479	14.79	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.452	14.70	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.453	14.76	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.471	14.76	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.436	14.76	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.457	14.85	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.447	14.85	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.431	14.85	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.433	14.79	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.905	19.56	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.902	19.40	PASS



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Band71	20MHz	QPSK	133372	100RB#0	17.897	19.52	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.853	19.40	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.875	19.44	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.862	19.40	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.859	19.40	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.845	19.28	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.879	19.40	PASS



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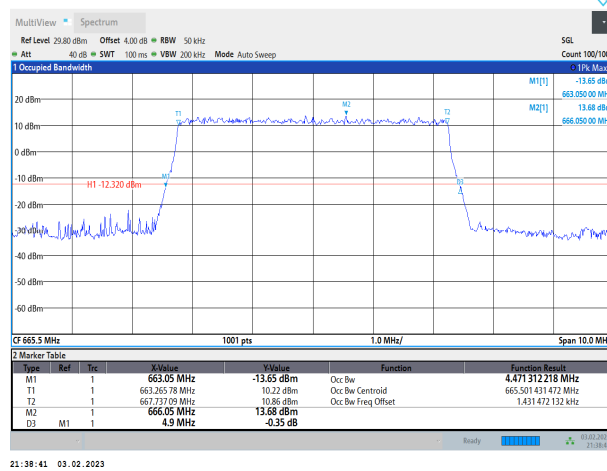
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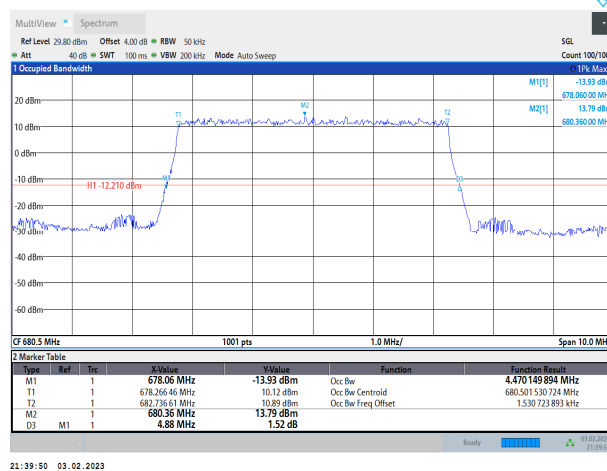
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Test Graphs

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



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

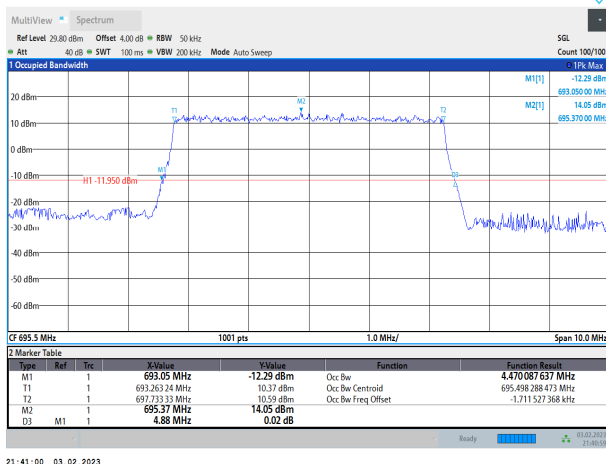


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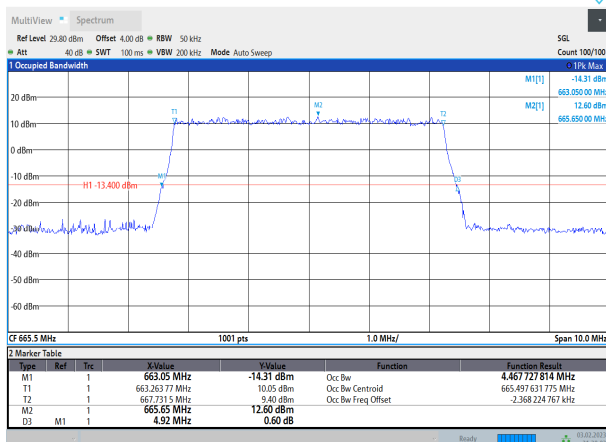
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Band71-5MHz-QPSK-133447-25RB#0



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



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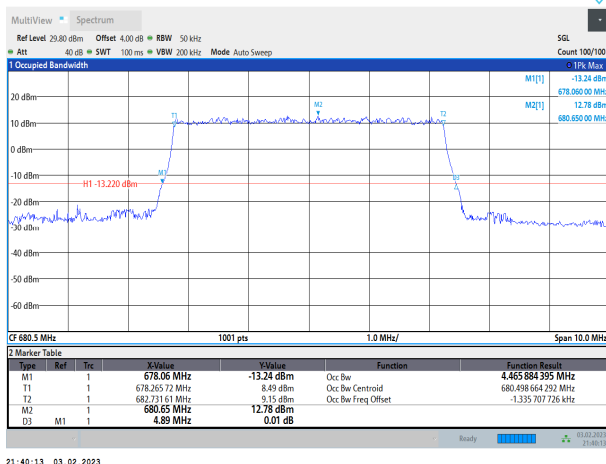
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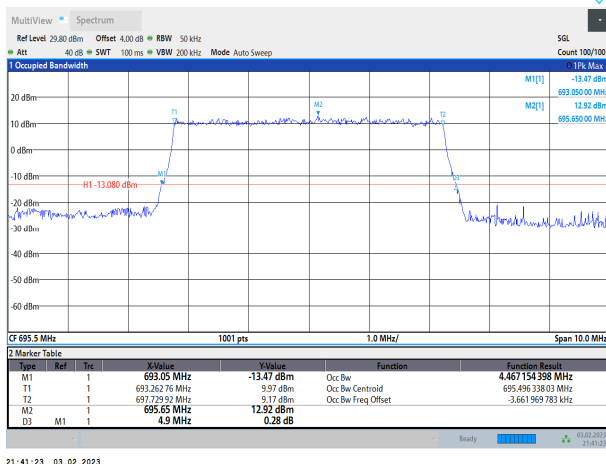
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Band71-5MHz-16QAM-133297-25RB#0



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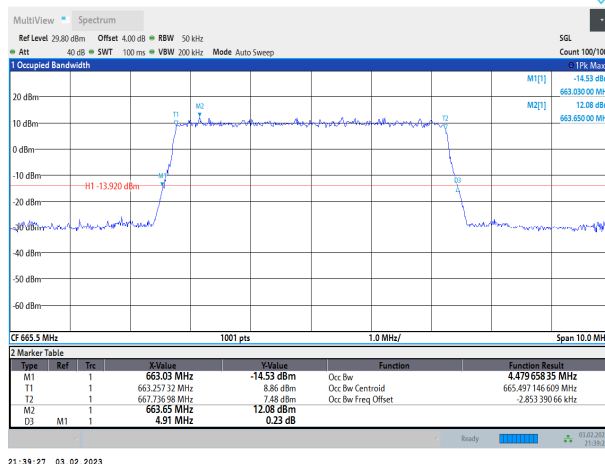


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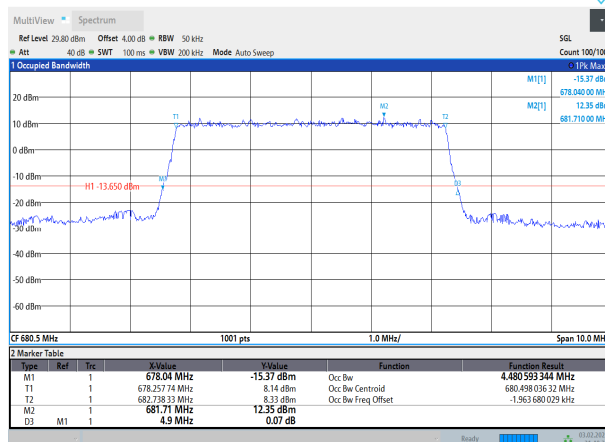
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Band71-5MHz-64QAM-133147-25RB#0



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



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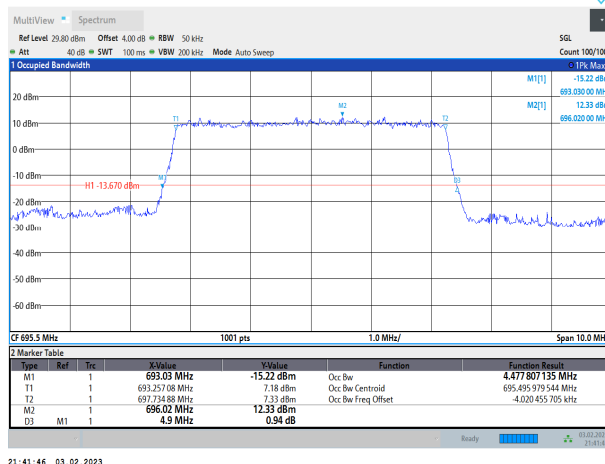
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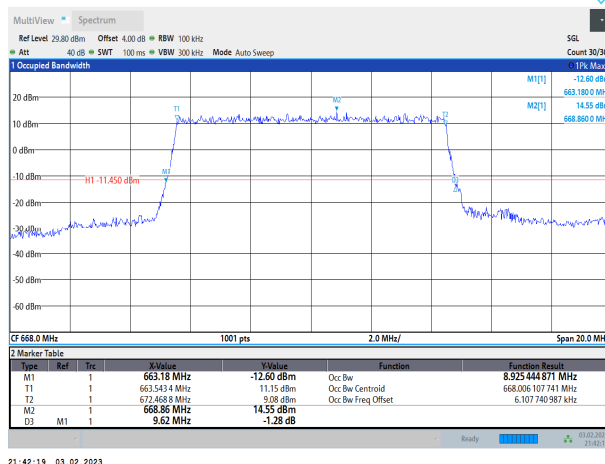
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Band71-10MHz-QPSK-133172-50RB#0



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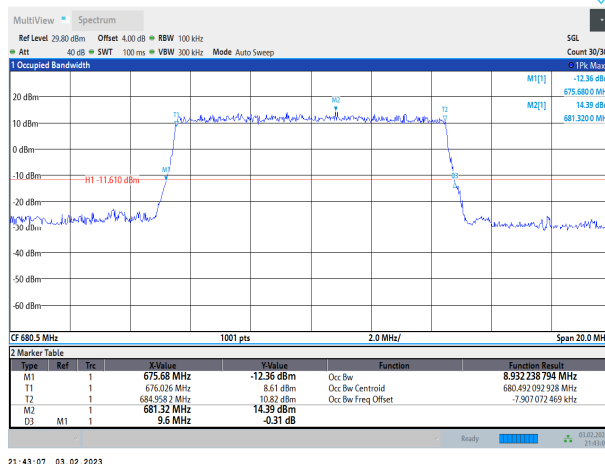
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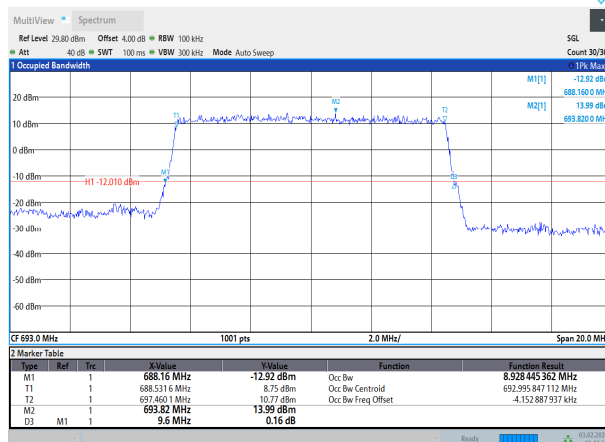
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Band71-10MHz-QPSK-133297-50RB#0



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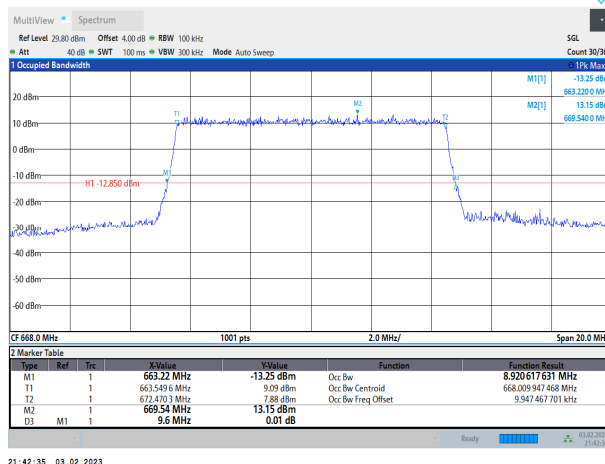
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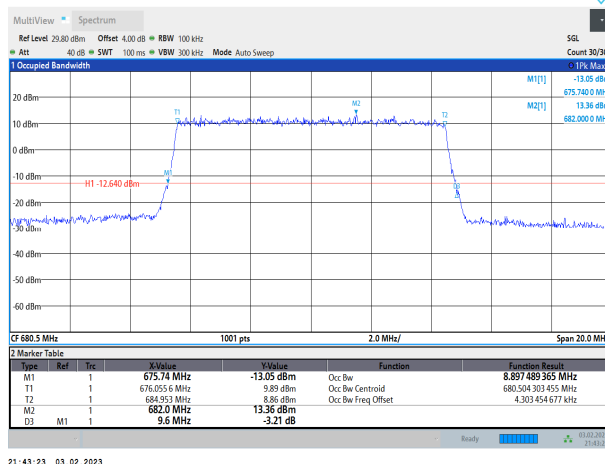
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Band71-10MHz-16QAM-133172-50RB#0



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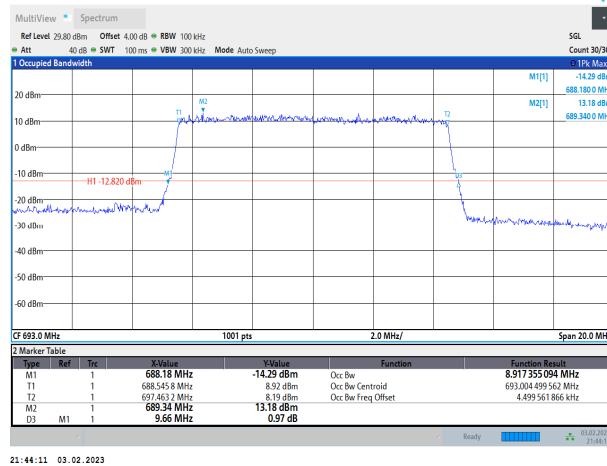
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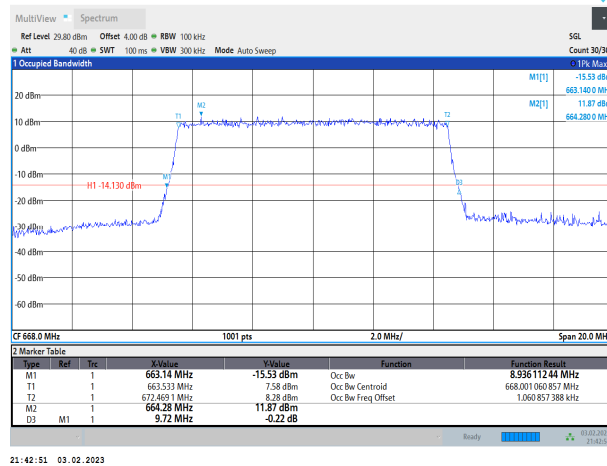
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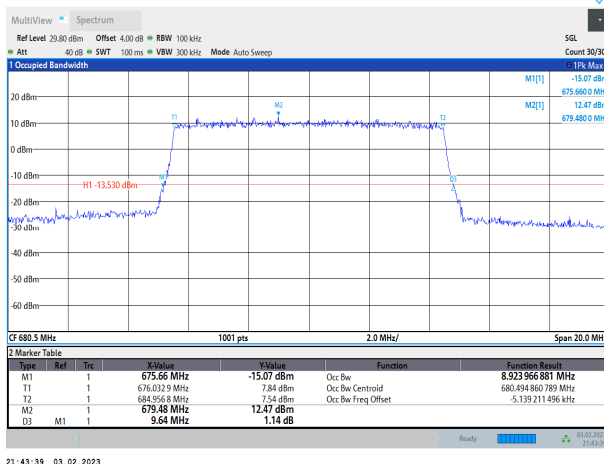
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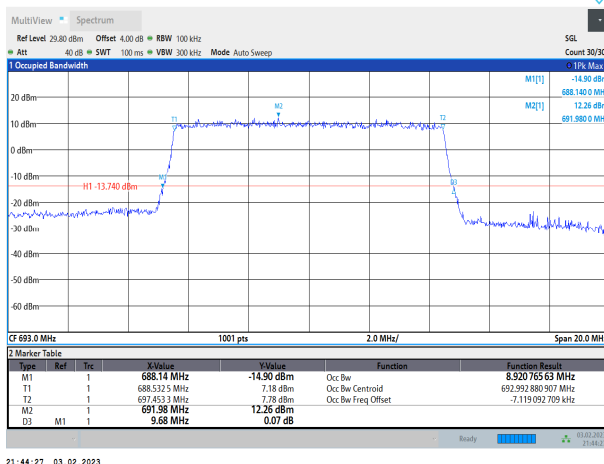
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Band71-10MHz-64QAM-133422-50RB#0

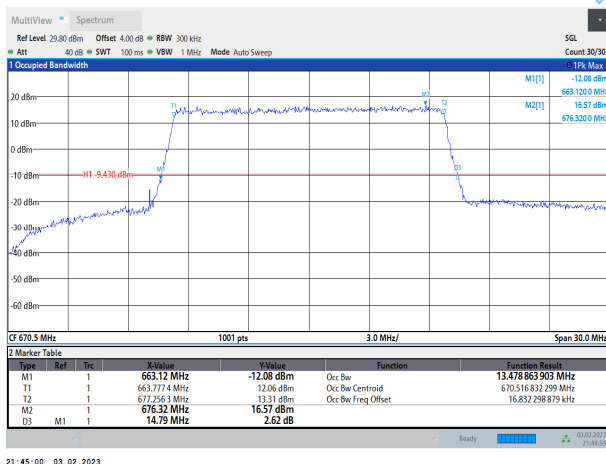


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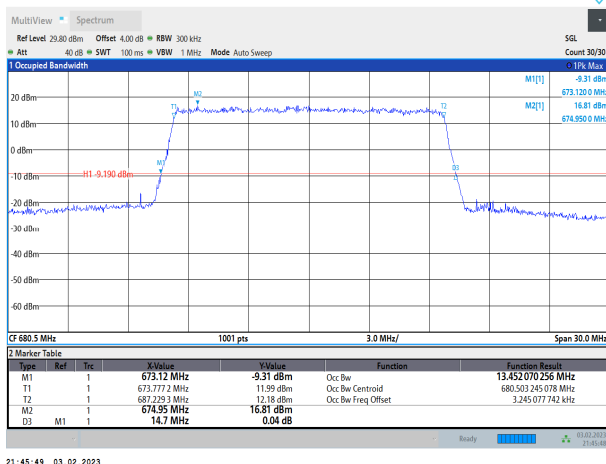
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Band71-15MHz-QPSK-133197-75RB#0



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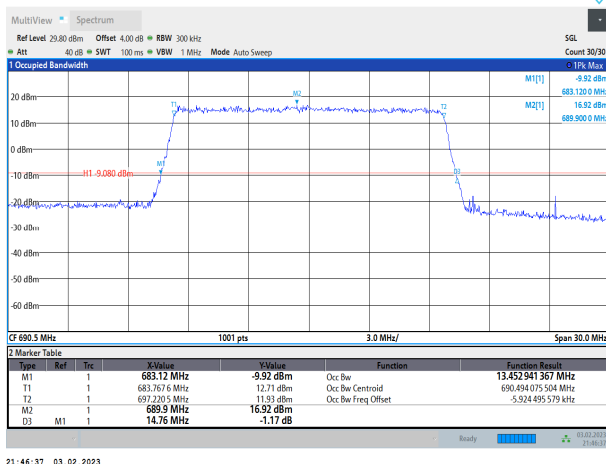
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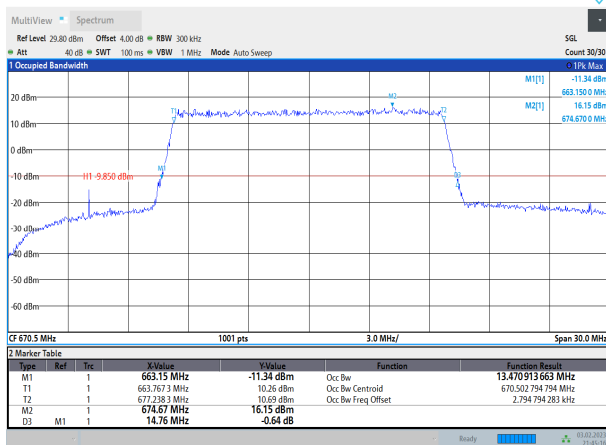
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Band71-15MHz-16QAM-133197-75RB#0



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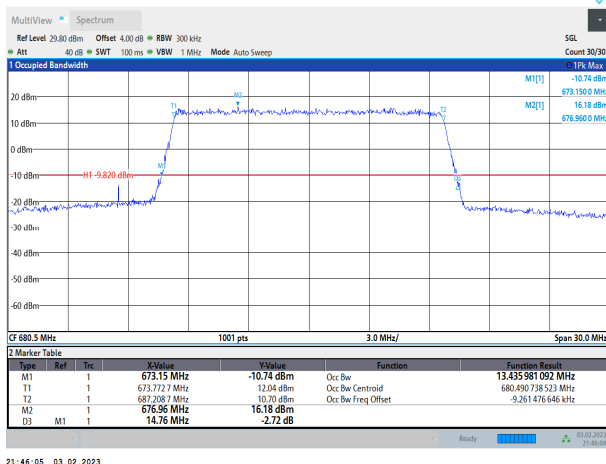
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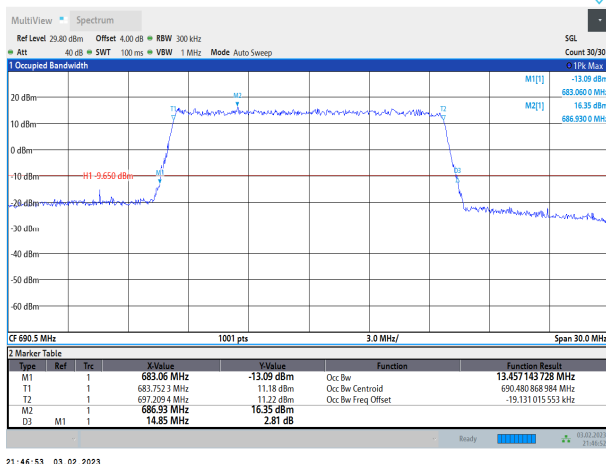
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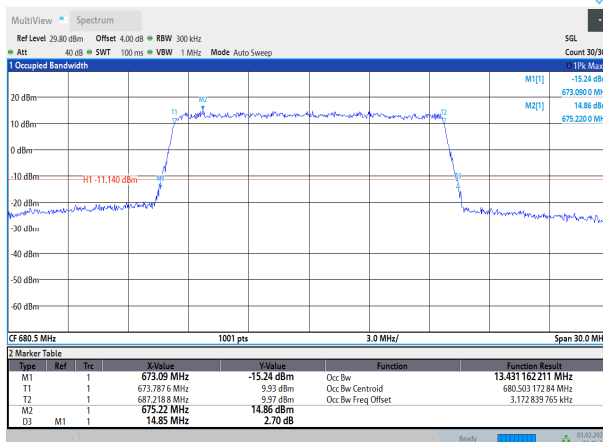
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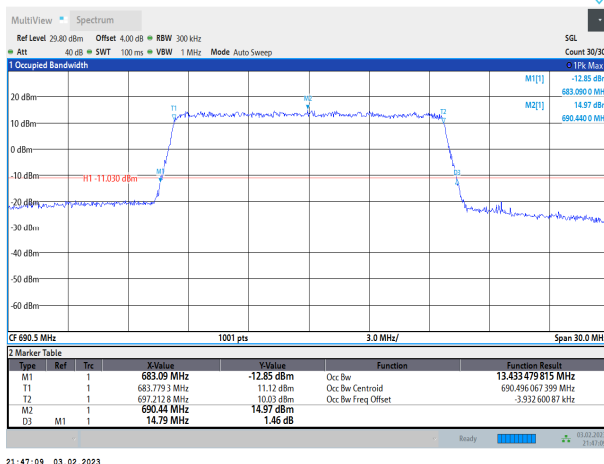
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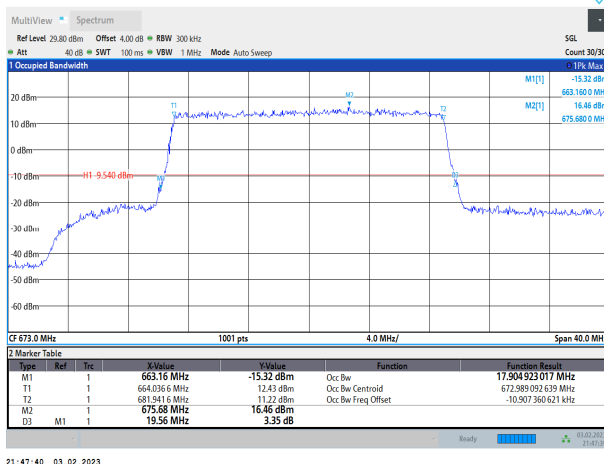
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Band71-20MHz-QPSK-133222-100RB#0



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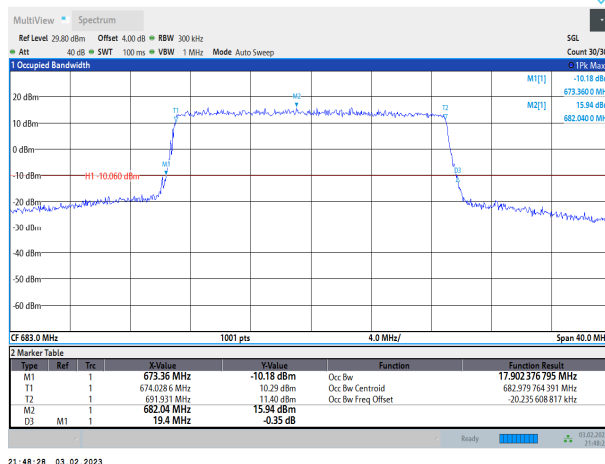
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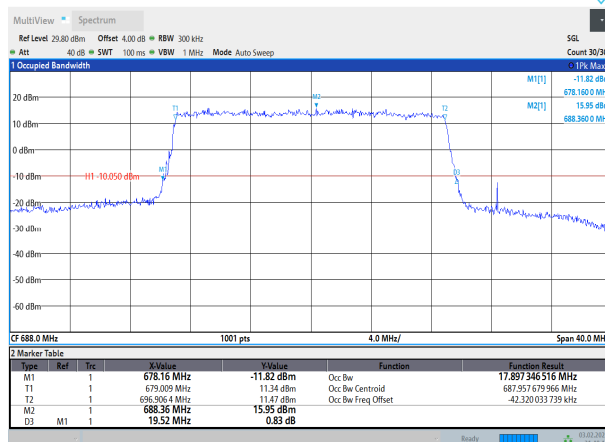
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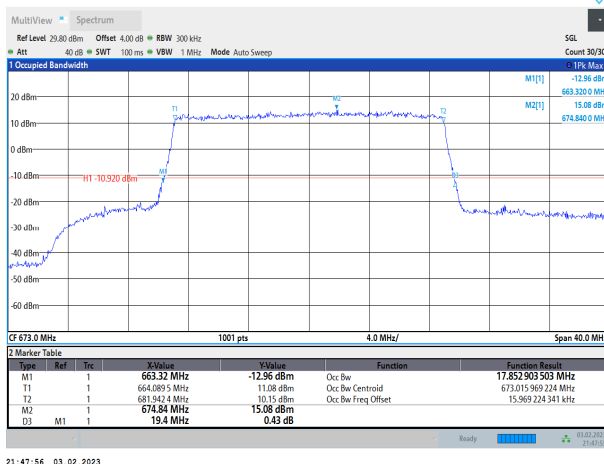
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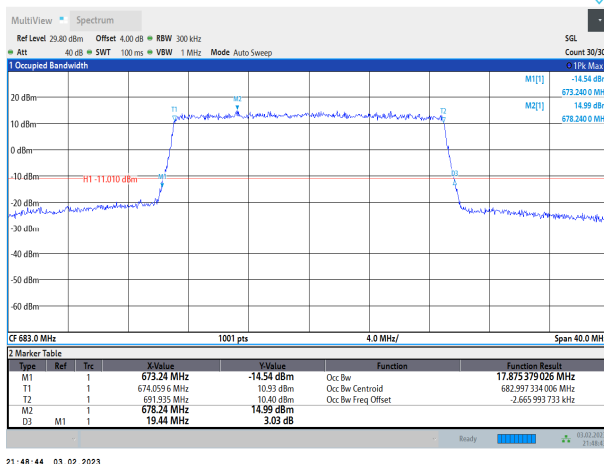


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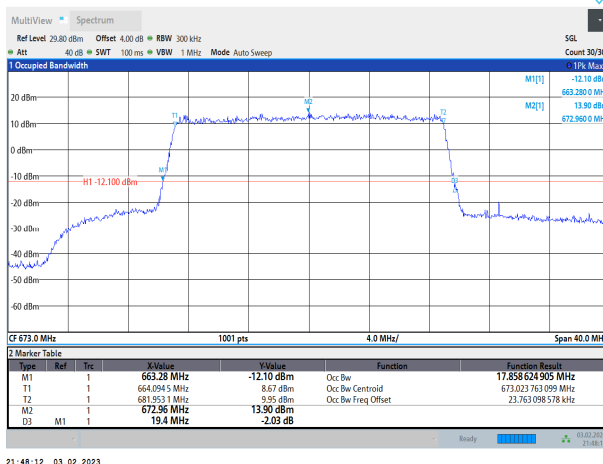
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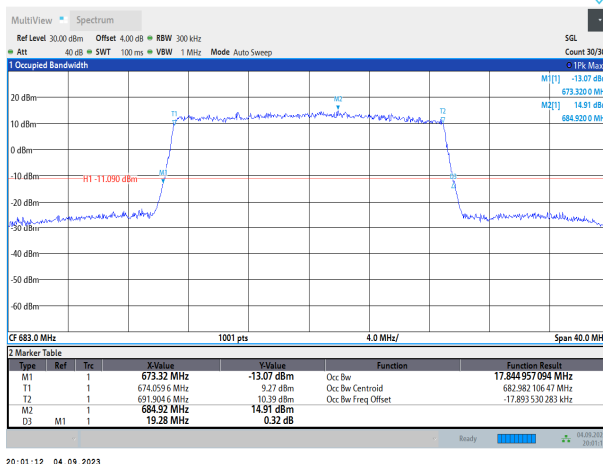


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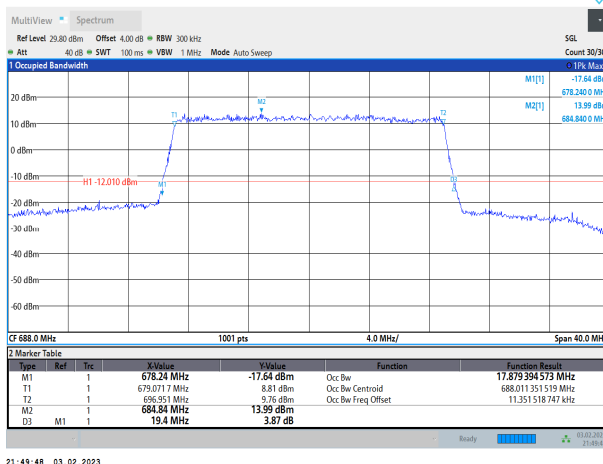
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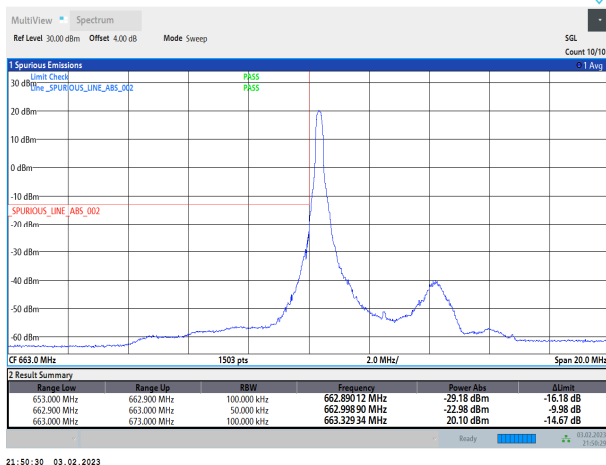
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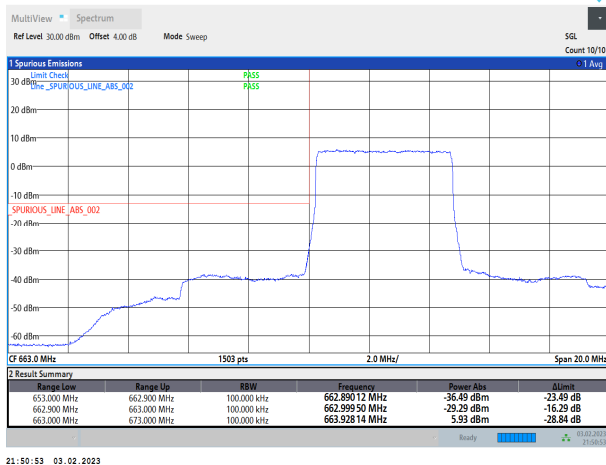
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Test Graphs

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



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



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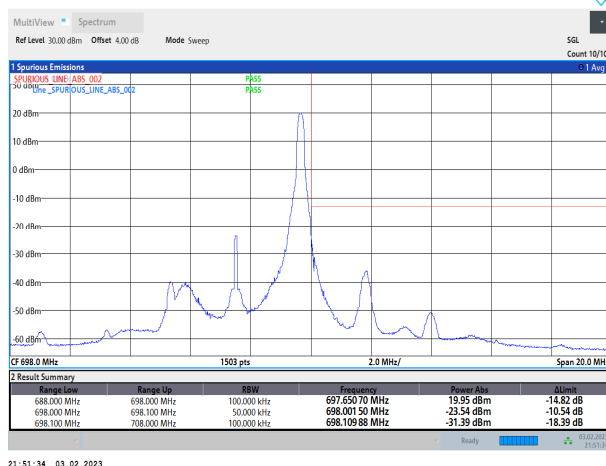
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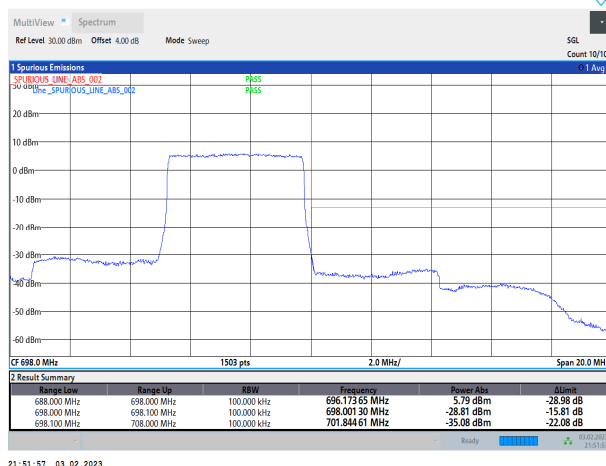
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Band71-5MHz-QPSK-133447-1RB#24



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



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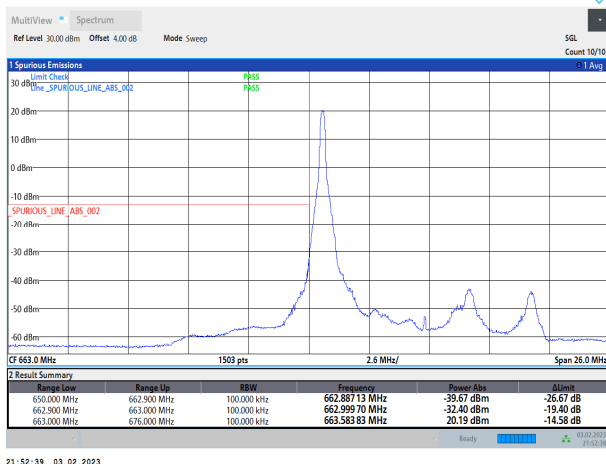
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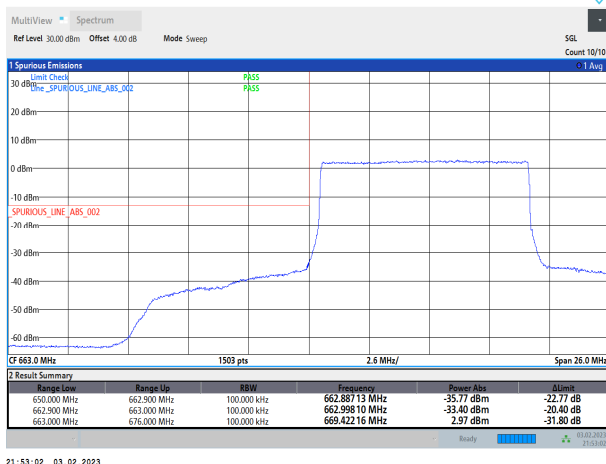
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Band71-10MHz-QPSK-133172-1RB#0



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



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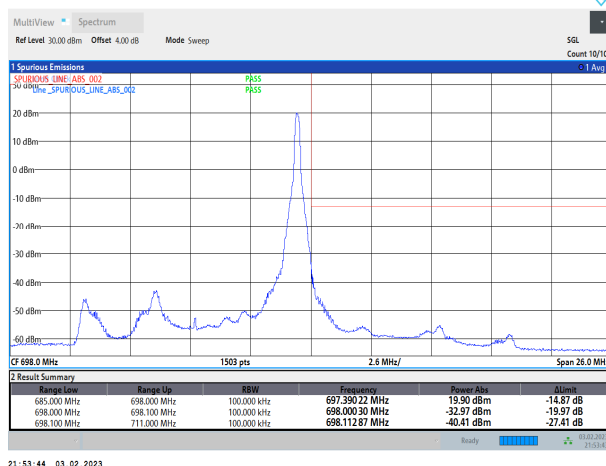
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Band71-10MHz-QPSK-133422-1RB#49



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



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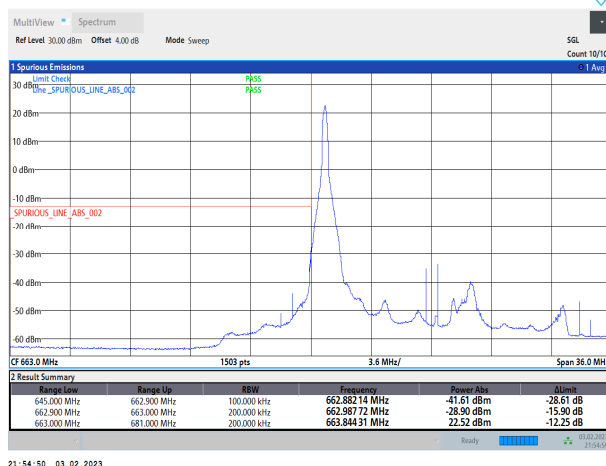
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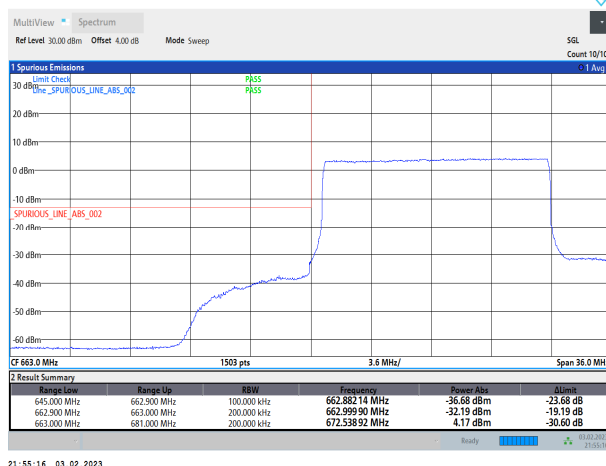
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Band71-15MHz-QPSK-133197-1RB#0



21:54:50 03.02.2023

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



21:55:16 03.02.2023



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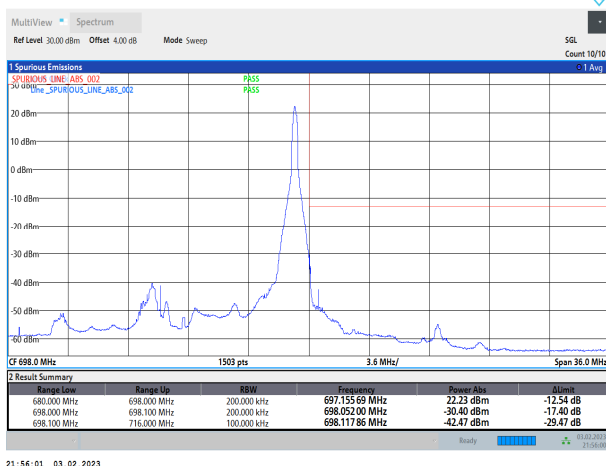
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Band71-15MHz-QPSK-133397-1RB#74



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



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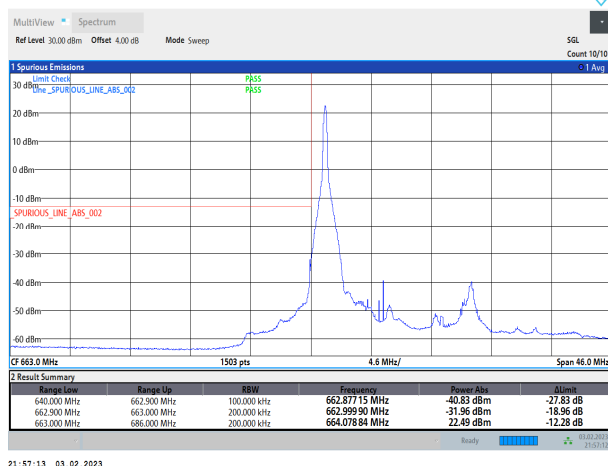
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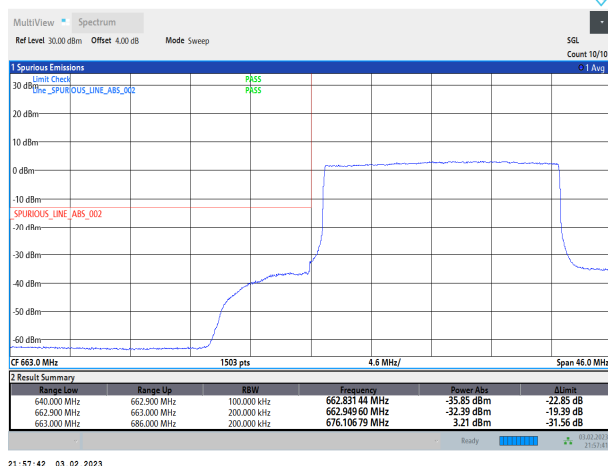
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Band71-20MHz-QPSK-133222-1RB#0



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



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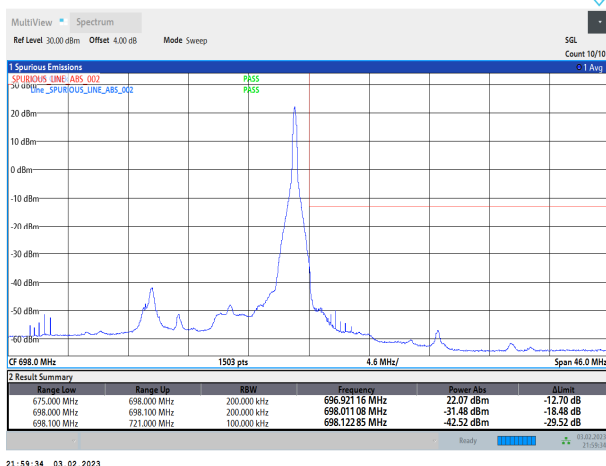
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Band71-20MHz-QPSK-133372-1RB#99



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



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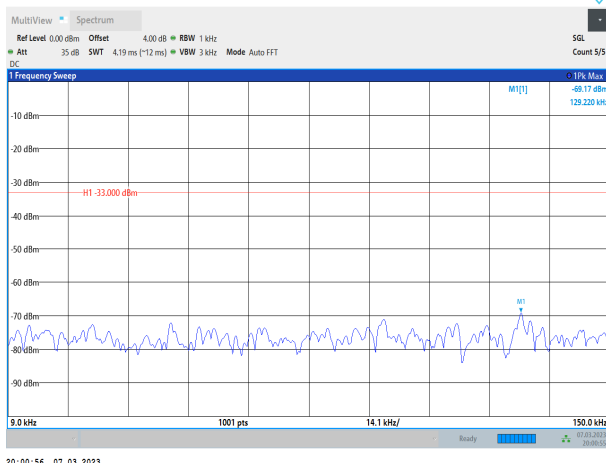
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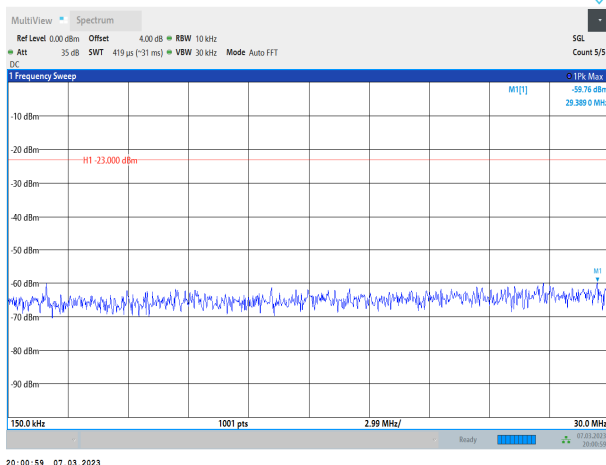
Conducted Spurious Emission

Test Graphs

Band71-20MHz-QPSK-133222-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133222-1RB#0-Range2:0.15~30MHz



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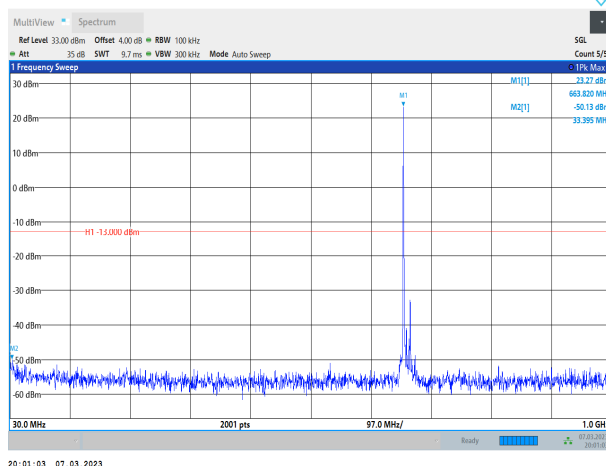
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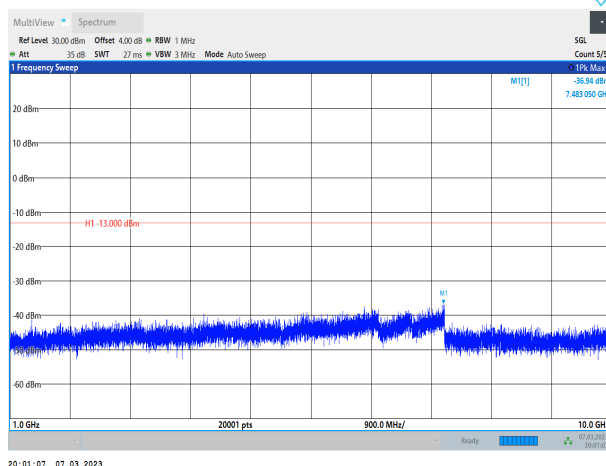
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



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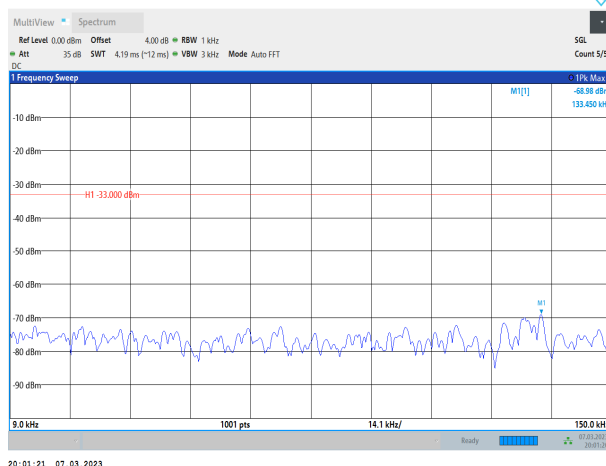
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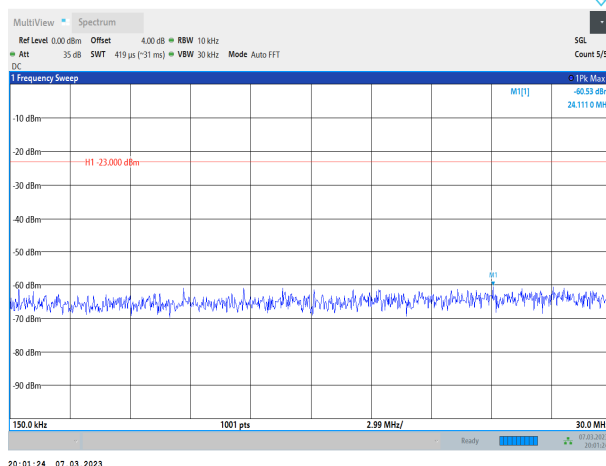
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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



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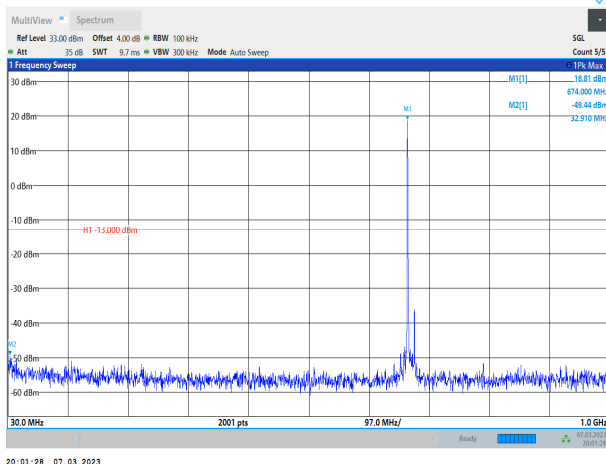
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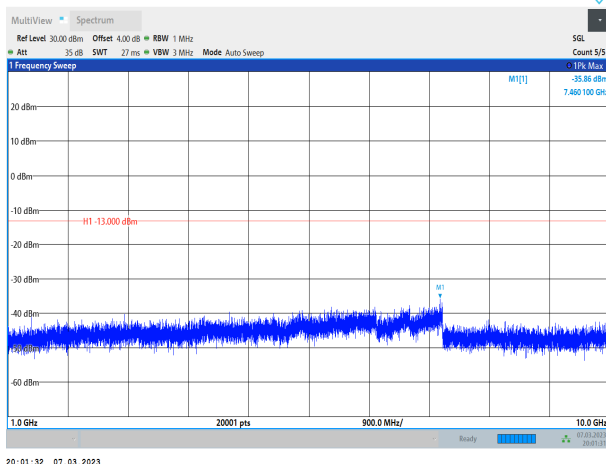
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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



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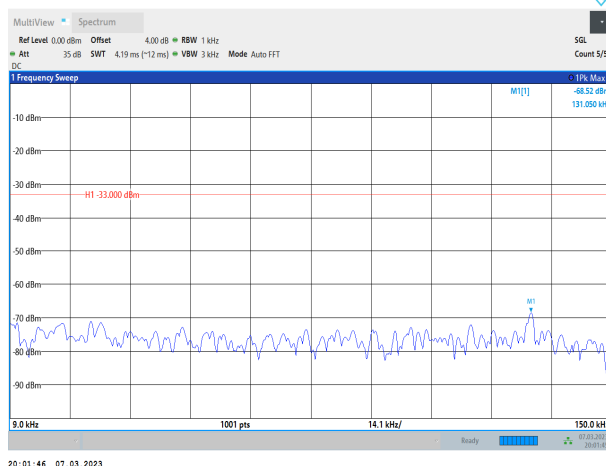
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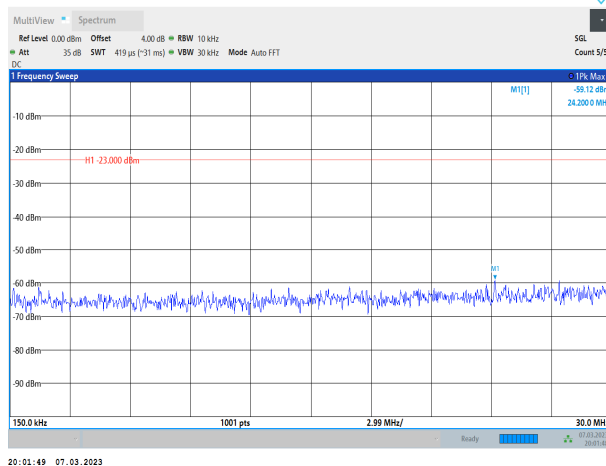
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



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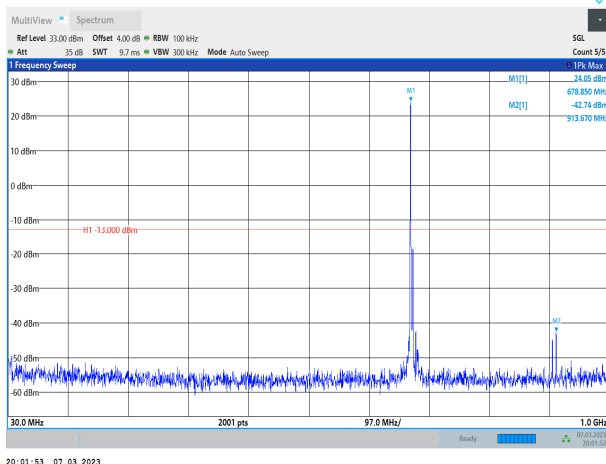
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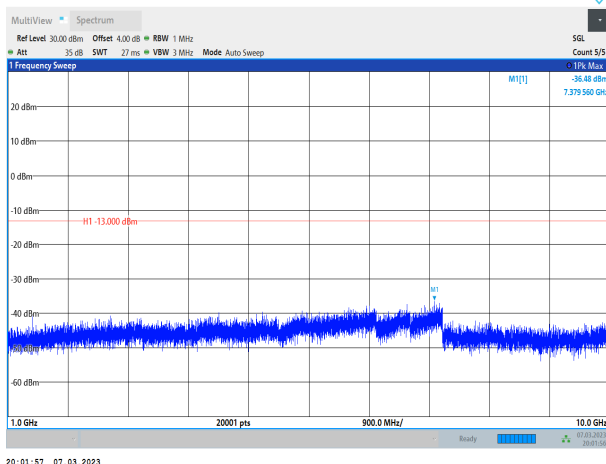
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



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]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	51.94	-48.79	25.54	-66.56	-13.00	53.56	252	12	Horizontal
2	1992.27	44.06	-48.08	26.85	-72.43	-13.00	59.43	193	51	Horizontal
3	2656.36	43.09	-47.14	28.43	-70.88	-13.00	57.88	216	0	Horizontal
4	3320.45	42.29	-46.14	29.47	-69.64	-13.00	56.64	174	1	Horizontal
5	3984.54	42.03	-45.50	30.56	-68.17	-13.00	55.17	221	37	Horizontal
6	4648.63	40.99	-44.59	31.76	-67.10	-13.00	54.10	168	0	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	54.53	-48.79	25.54	-63.97	-13.00	50.97	169	4	Vertical
2	1992.27	44.48	-48.08	26.85	-72.01	-13.00	59.01	284	260	Vertical
3	2656.36	43.00	-47.14	28.43	-70.97	-13.00	57.97	246	320	Vertical
4	3320.45	42.47	-46.14	29.47	-69.46	-13.00	56.46	272	72	Vertical
5	3984.54	42.01	-45.50	30.56	-68.19	-13.00	55.19	199	291	Vertical
6	4648.63	41.07	-44.59	31.76	-67.02	-13.00	54.02	215	360	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]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.18	49.05	-48.77	25.50	-69.48	-13.00	56.48	267	7	Horizontal
2	2022.27	43.75	-48.04	26.95	-72.60	-13.00	59.60	181	259	Horizontal
3	2696.36	43.45	-47.07	28.57	-70.31	-13.00	57.31	224	243	Horizontal
4	3370.45	41.82	-46.23	29.45	-70.22	-13.00	57.22	205	14	Horizontal
5	4044.54	41.59	-45.46	30.67	-68.46	-13.00	55.46	187	302	Horizontal
6	4718.63	41.27	-44.56	31.93	-66.63	-13.00	53.63	309	69	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	1348.18	50.20	-48.77	25.50	-68.33	-13.00	55.33	231	114	Vertical
2	2022.27	44.64	-48.04	26.95	-71.71	-13.00	58.71	153	259	Vertical
3	2696.36	44.02	-47.07	28.57	-69.74	-13.00	56.74	226	230	Vertical
4	3370.45	41.83	-46.23	29.45	-70.21	-13.00	57.21	198	11	Vertical
5	4044.54	41.22	-45.46	30.67	-68.83	-13.00	55.83	307	216	Vertical
6	4718.63	42.18	-44.56	31.93	-65.72	-13.00	52.72	246	3	Vertical



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Test Band = LTE Band 71_ 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	49.84	-48.76	25.48	-68.70	-13.00	55.70	177	346	Horizontal
2	2037.27	43.84	-48.01	26.98	-72.45	-13.00	59.45	219	243	Horizontal
3	2716.36	42.87	-47.00	28.64	-70.75	-13.00	57.75	285	258	Horizontal
4	3395.45	42.43	-46.27	29.44	-69.66	-13.00	56.66	174	229	Horizontal
5	4074.54	41.94	-45.43	30.72	-68.03	-13.00	55.03	213	186	Horizontal
6	4753.63	41.50	-44.58	32.01	-66.33	-13.00	53.33	221	0	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	49.19	-48.76	25.48	-69.35	-13.00	56.35	163	130	Vertical
2	2037.27	44.50	-48.01	26.98	-71.79	-13.00	58.79	225	277	Vertical
3	2716.36	44.35	-47.00	28.64	-69.27	-13.00	56.27	174	260	Vertical
4	3395.45	43.09	-46.27	29.44	-69.00	-13.00	56.00	298	41	Vertical
5	4074.54	42.86	-45.43	30.72	-67.11	-13.00	54.11	217	360	Vertical
6	4753.63	41.00	-44.58	32.01	-66.83	-13.00	53.83	184	130	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) - Preamp (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	1.20	0.001757	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-2.00	-0.002928	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	1.30	0.001903	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-1.30	-0.001903	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	0.50	0.000732	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-2.90	-0.004246	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	0.00	0.000000	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	1.00	0.001464	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-0.20	-0.000293	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-0.20	-0.000293	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-1.40	-0.002050	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	1.70	0.002489	PASS

---End of Attachment---



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