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Appendix B.12

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	24.15	20.2	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.39	20.44	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.09	20.14	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.29	19.34	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.57	19.62	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.76	19.81	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.41	19.46	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.65	18.7	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.33	19.38	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.48	19.53	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.22	19.27	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.45	18.5	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.37	19.42	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.57	19.62	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.32	19.37	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.30	18.35	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.90	18.95	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.02	19.07	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.71	18.76	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.64	17.69	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.66	18.71	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.84	18.89	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.48	18.53	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.45	17.5	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.72	17.77	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.94	17.99	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.68	17.73	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	20.67	16.72	34.77	PASS



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Band71	5MHz	64QAM	133297	1RB#0	21.22	17.27	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.47	17.52	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.14	17.19	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.14	16.19	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.17	17.22	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.27	17.32	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.08	17.13	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.07	16.12	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.24	20.29	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.30	20.35	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.03	20.08	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.32	19.37	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.66	19.71	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.72	19.77	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.46	19.51	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.71	18.76	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.44	19.49	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.52	19.57	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.30	19.35	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.54	18.59	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.44	19.49	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.53	19.58	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.23	19.28	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.32	18.37	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.99	19.04	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.95	19	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.74	18.79	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.71	17.76	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.71	18.76	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.78	18.83	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.57	18.62	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.54	17.59	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.74	17.79	34.77	PASS



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Band71	10MHz	64QAM	133172	1RB#24	21.90	17.95	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.67	17.72	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.72	16.77	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.33	17.38	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.41	17.46	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.23	17.28	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.23	16.28	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.19	17.24	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.41	17.46	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.14	17.19	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.14	16.19	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.13	20.18	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.18	20.23	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.51	19.56	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.11	19.16	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.83	19.88	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.62	19.67	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.36	19.41	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.71	18.76	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.42	19.47	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.45	19.5	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.26	19.31	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.58	18.63	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.28	19.33	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.33	19.38	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.80	18.85	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.13	18.18	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.15	19.2	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.89	18.94	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.63	18.68	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.70	17.75	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.76	18.81	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.66	18.71	34.77	PASS



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Band71	15MHz	16QAM	133397	75RB#0	21.55	17.6	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.70	17.75	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.82	17.87	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.23	17.28	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.56	16.61	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.50	17.55	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.32	17.37	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.16	17.21	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.22	16.27	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.19	17.24	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.21	17.26	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.14	17.19	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.14	16.19	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.09	20.14	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.14	20.19	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.35	19.4	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.00	19.05	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.75	19.8	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.64	19.69	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.25	19.3	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.64	18.69	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.50	19.55	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.59	19.64	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.16	19.21	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.59	18.64	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.26	19.31	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.29	19.34	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.61	18.66	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.95	18	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.93	18.98	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.00	19.05	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.57	18.62	34.77	PASS



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Band71	20MHz	16QAM	133372	1RB#0	22.82	18.87	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.77	18.82	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.41	18.46	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.57	17.62	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.60	17.65	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.81	17.86	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.01	17.06	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.44	16.49	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.48	17.53	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.34	17.39	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.00	17.05	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.18	16.23	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.17	17.22	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.37	17.42	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	20.94	16.99	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.14	16.19	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	5.08	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.06	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.02	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.84	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.88	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.86	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.28	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.40	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.36	13	PASS



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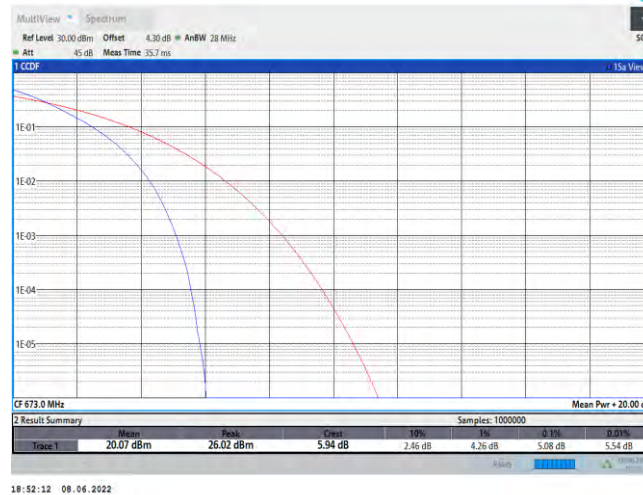
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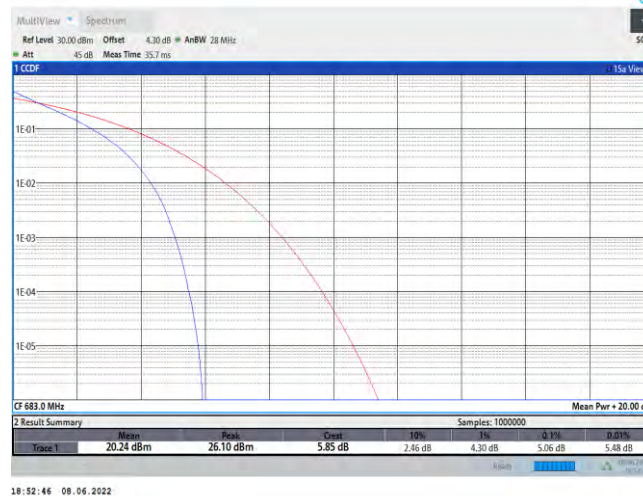
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Test Graphs

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



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



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



18:53:19 08.06.2022

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



18:52:29 08.06.2022



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



18:53:02 08.06.2022

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



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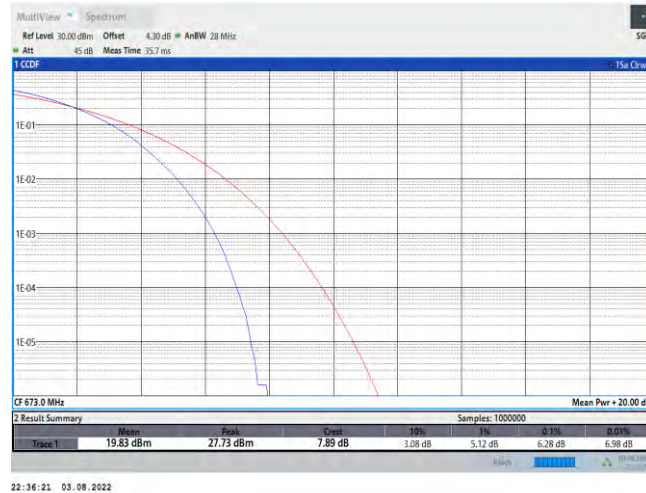
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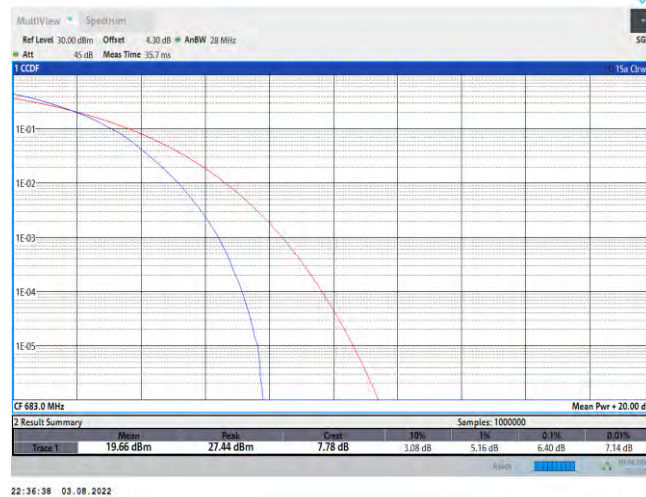
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Band71-20MHz-64QAM-133222-100RB#0



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



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



22:36:54 03.08.2022



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Modulation Characteristics

Test Result

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



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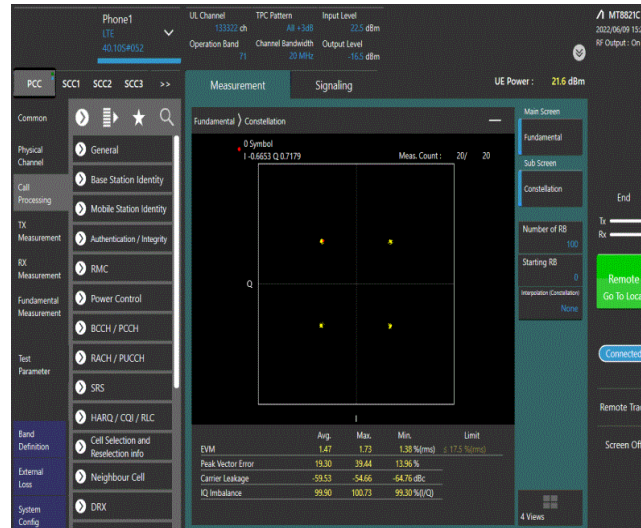
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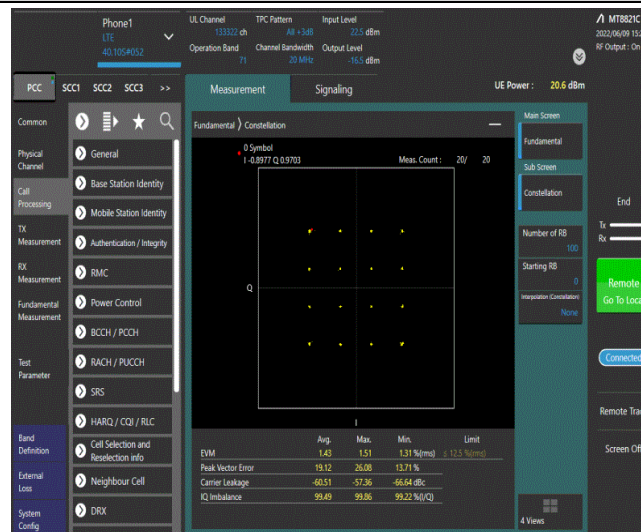
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Test Graphs

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



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



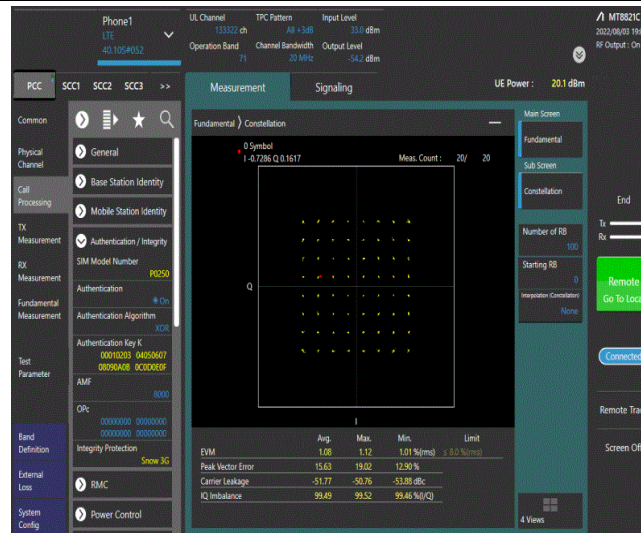
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Band71-20MHz-64QAM-133322-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.477	5.02	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.475	5.01	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.476	5.00	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.471	5.04	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.47	5.04	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.475	5.03	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.488	5.01	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.488	5.04	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.486	5.05	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.946	9.84	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.948	9.80	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.939	9.82	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.929	9.84	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.932	9.82	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.936	9.86	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.932	9.80	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.941	9.86	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.929	9.82	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.487	15.18	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.505	15.12	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.499	15.09	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.482	15.00	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.48	15.21	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.475	15.18	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.45	15.15	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.451	15.12	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.46	15.18	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.901	19.80	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.949	19.72	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.941	19.84	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.895	19.68	PASS



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Band71	20MHz	16QAM	133322	100RB#0	17.91	19.68	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.922	19.68	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.895	19.80	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.905	19.68	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.928	19.68	PASS



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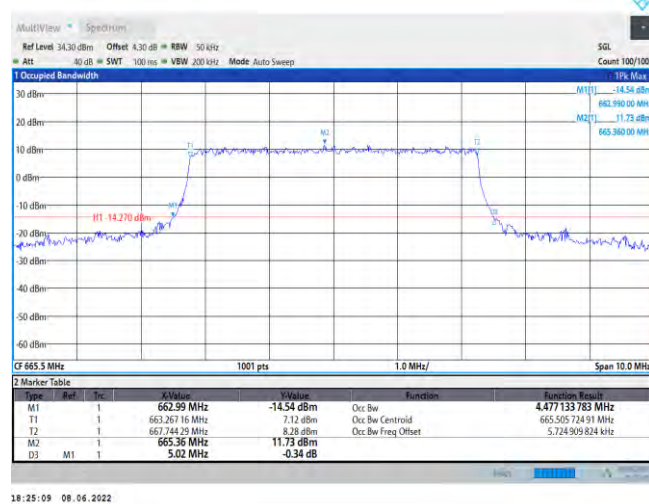
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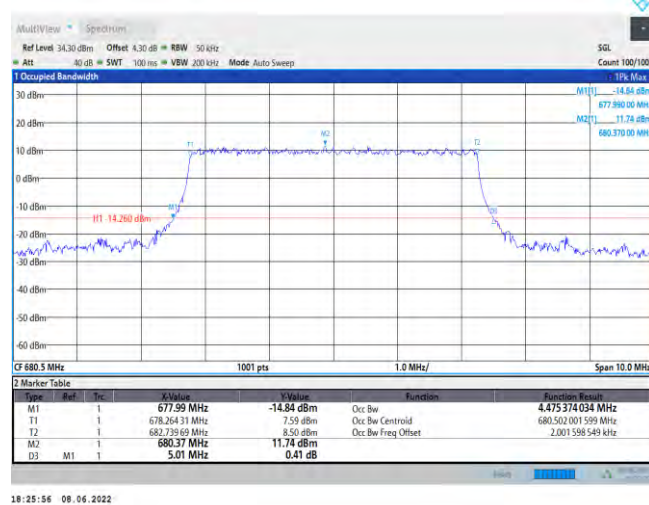
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Band71-5MHz-QPSK-133297-25RB#0



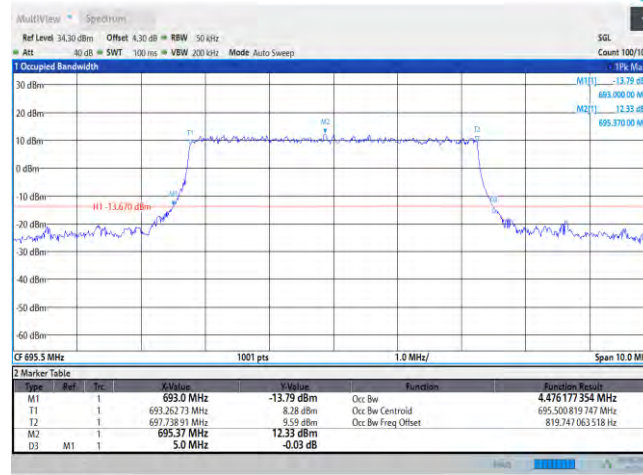
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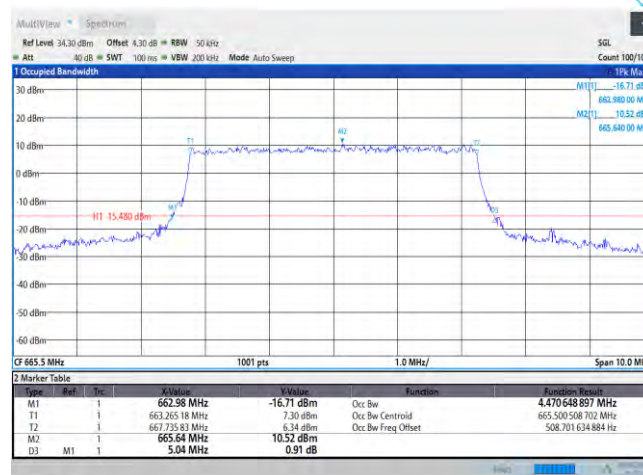
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Band71-5MHz-QPSK-133447-25RB#0



18:26:42 08.06.2022

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



18:25:32 08.06.2022



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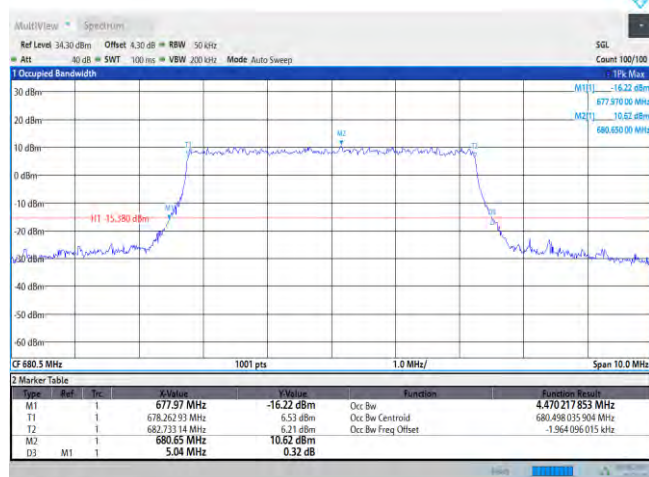
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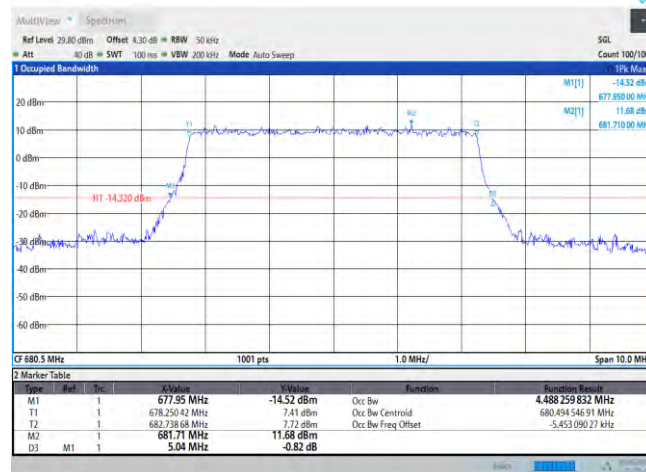
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22:31:26 03.08.2022

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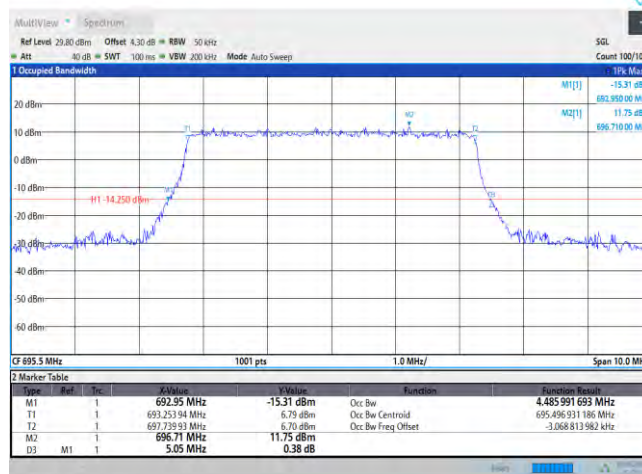
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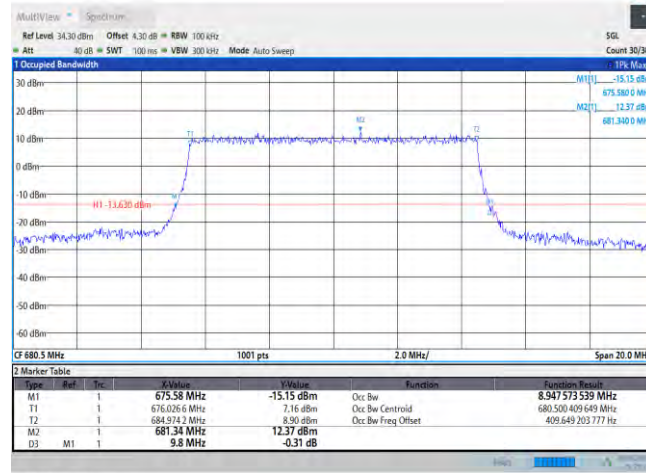
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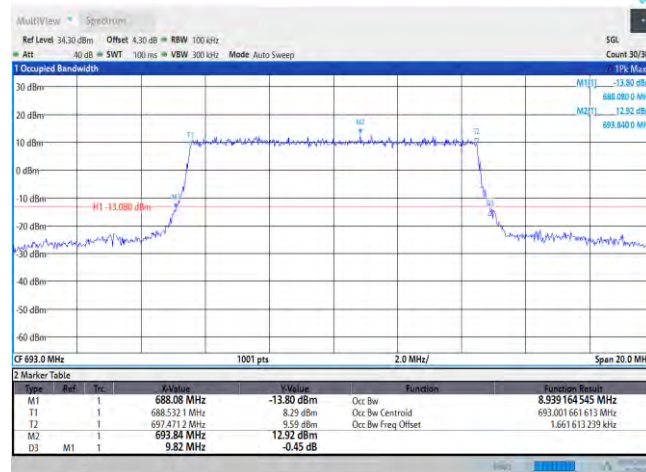
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Band71-10MHz-QPSK-133422-50RB#0



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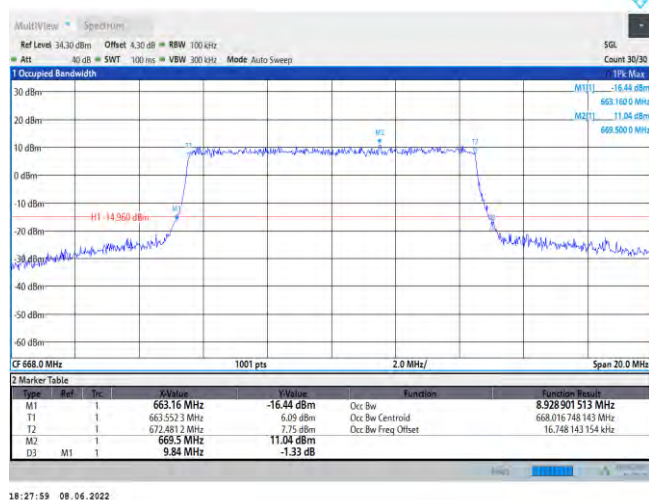
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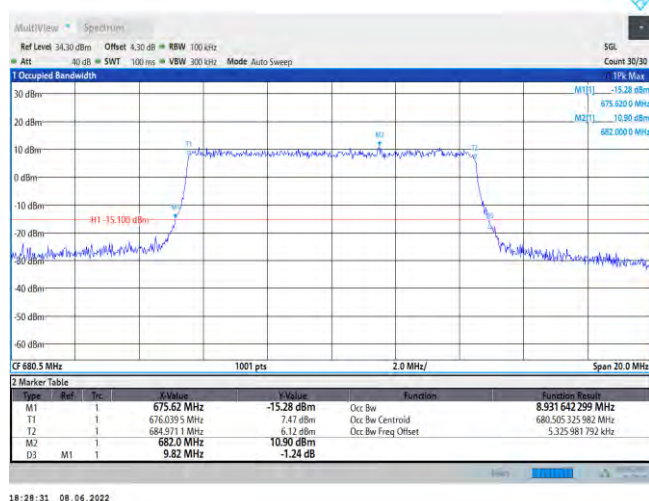
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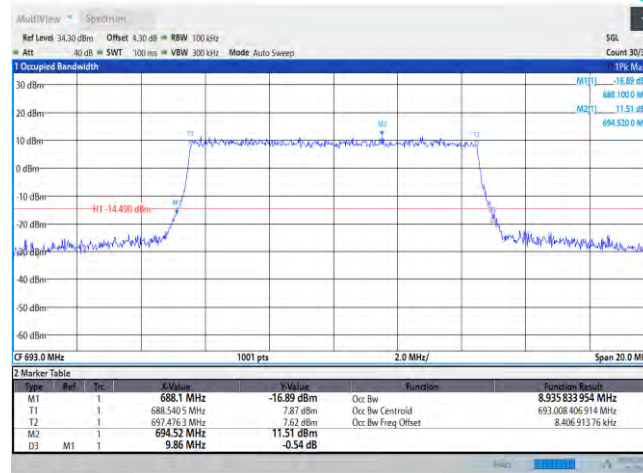
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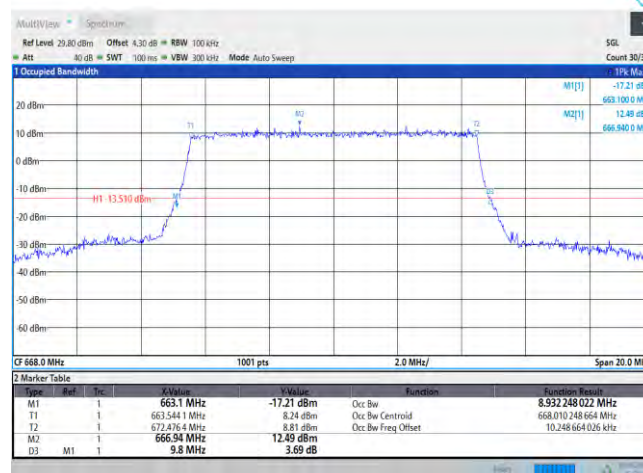
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Band71-10MHz-64QAM-133172-50RB#0



22:32:50 03.08.2022



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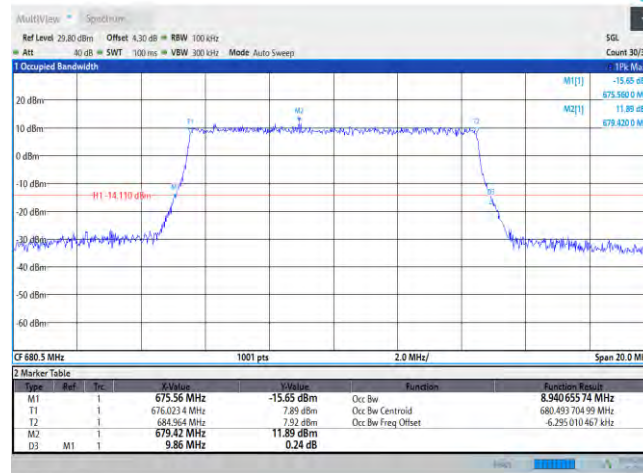
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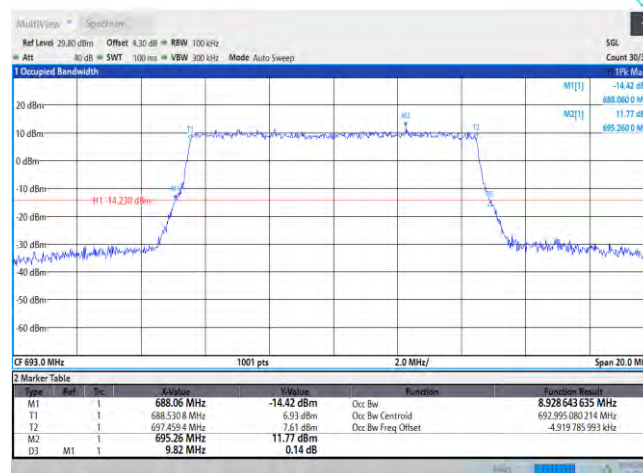
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22:33:22 03.08.2022



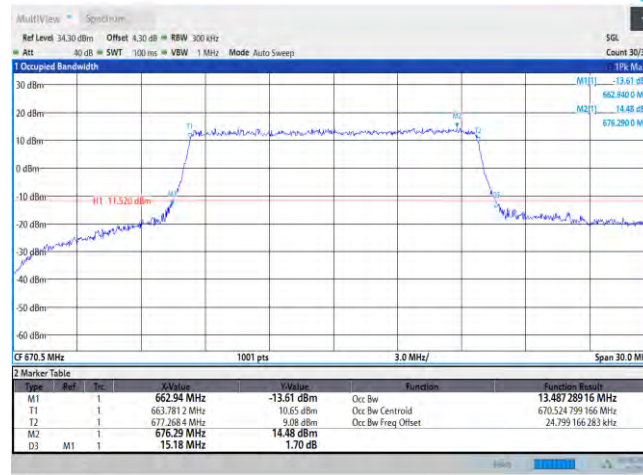
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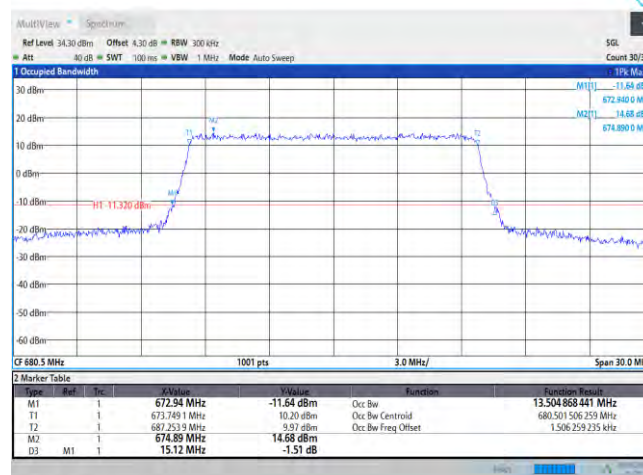
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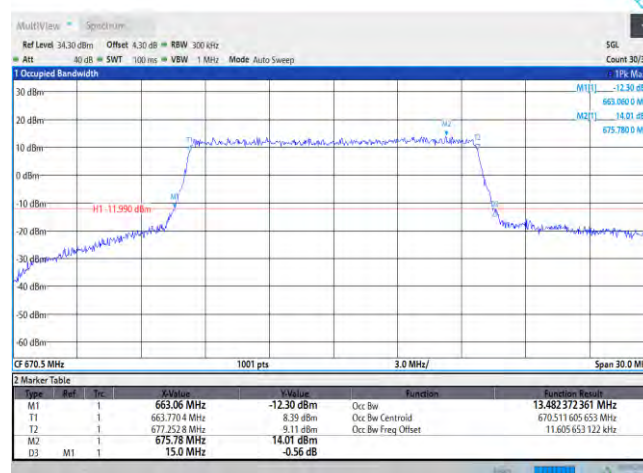
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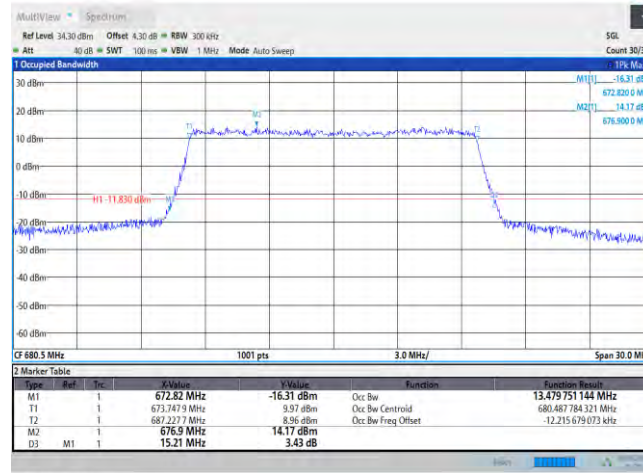
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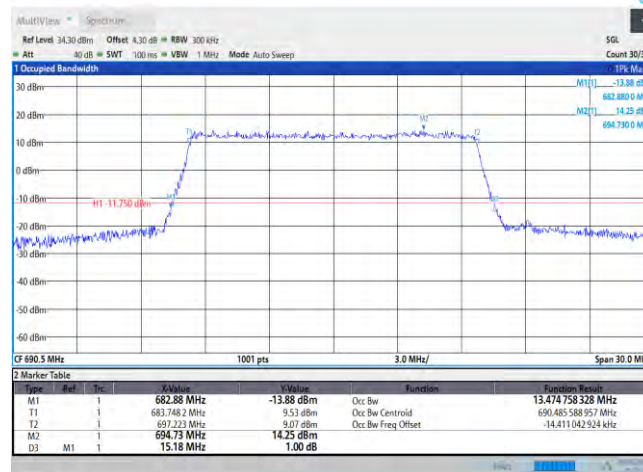
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22:34:00 03.08.2022

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



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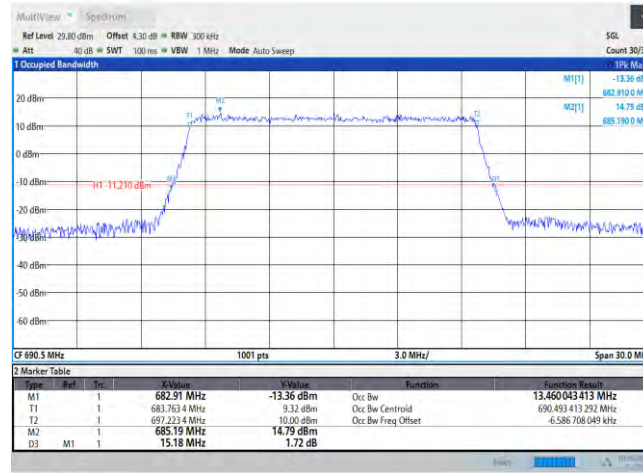
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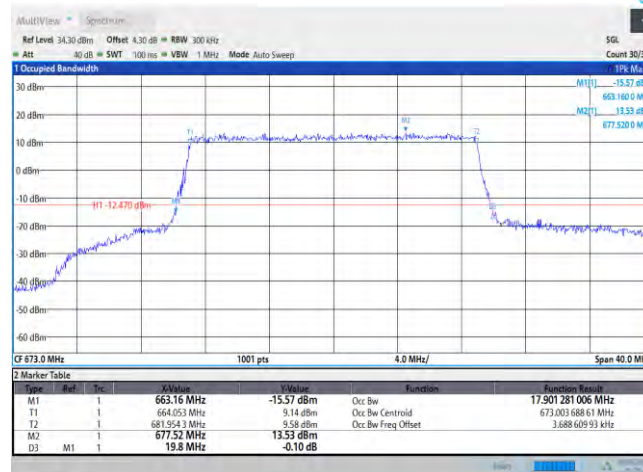
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Band71-15MHz-64QAM-133397-75RB#0



22:34:33 03.08.2022

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



18:31:49 08.06.2022



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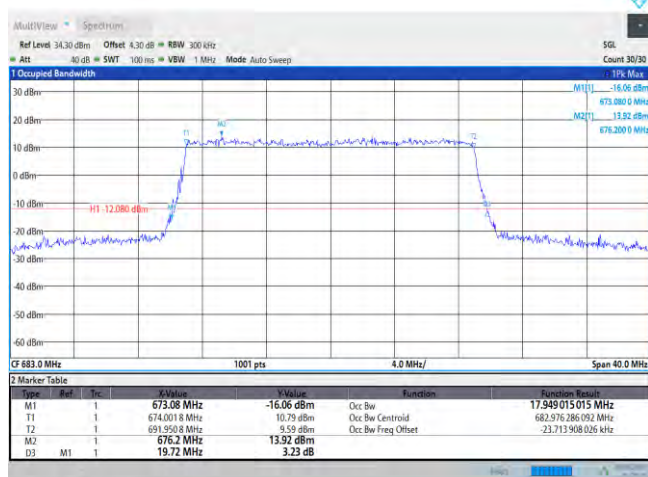
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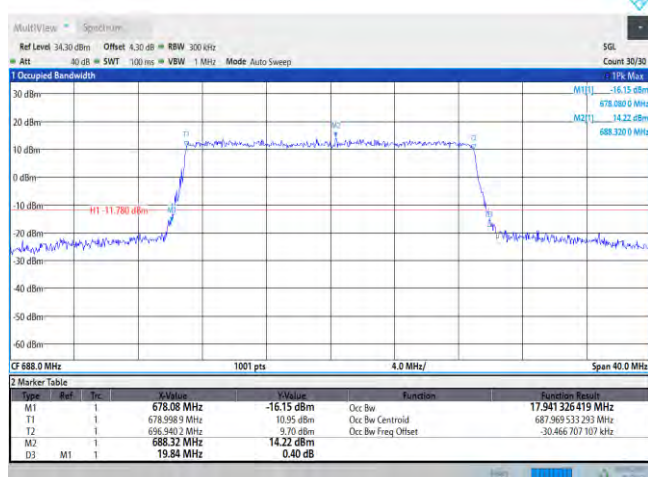
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Band71-20MHz-QPSK-133322-100RB#0



18:32:21 08.06.2022

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



18:32:54 08.06.2022



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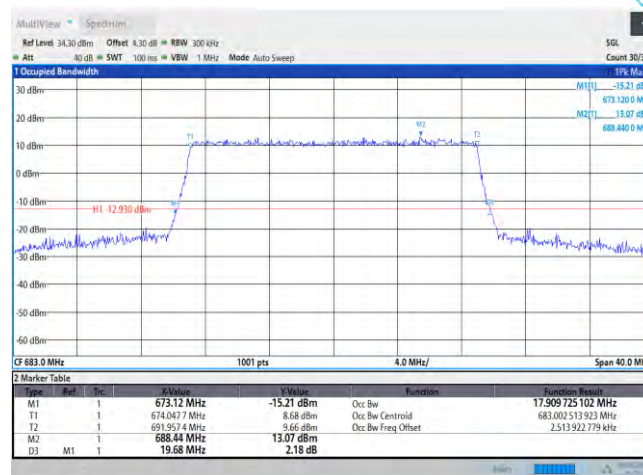
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Band71-20MHz-16QAM-133222-100RB#0



18:32:05 08.06.2022

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18:32:38 08.06.2022



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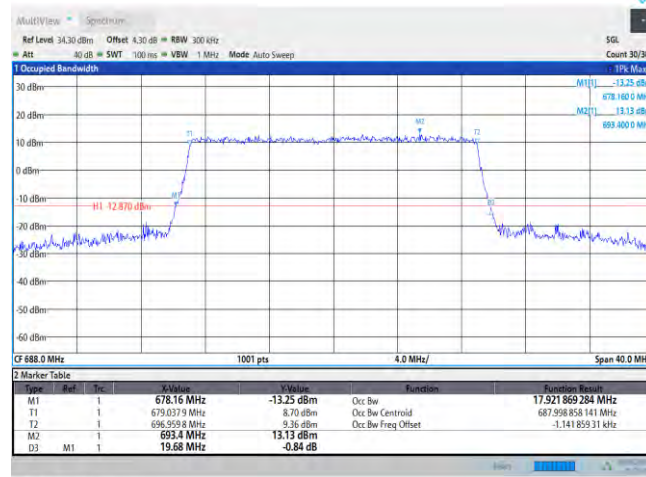
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Band71-20MHz-16QAM-133372-100RB#0



18:33:10 08.06.2022

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



22:35:10 03.08.2022



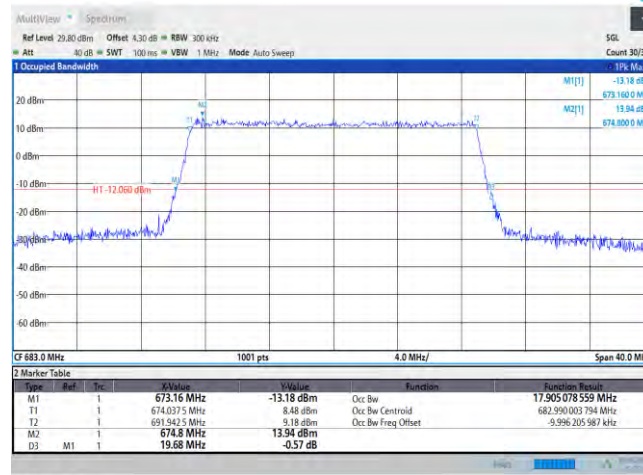
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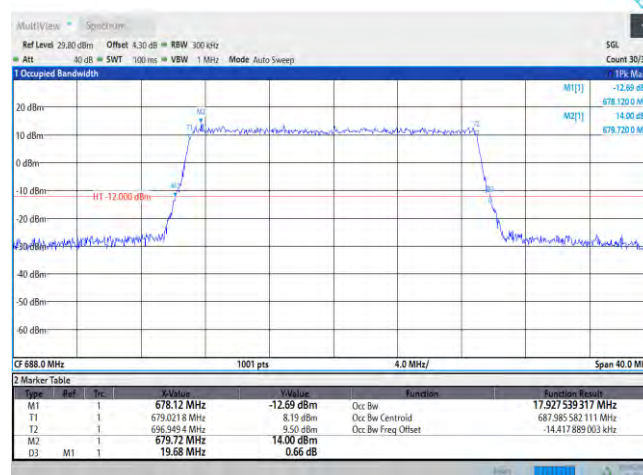
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Band71-20MHz-64QAM-133322-100RB#0



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



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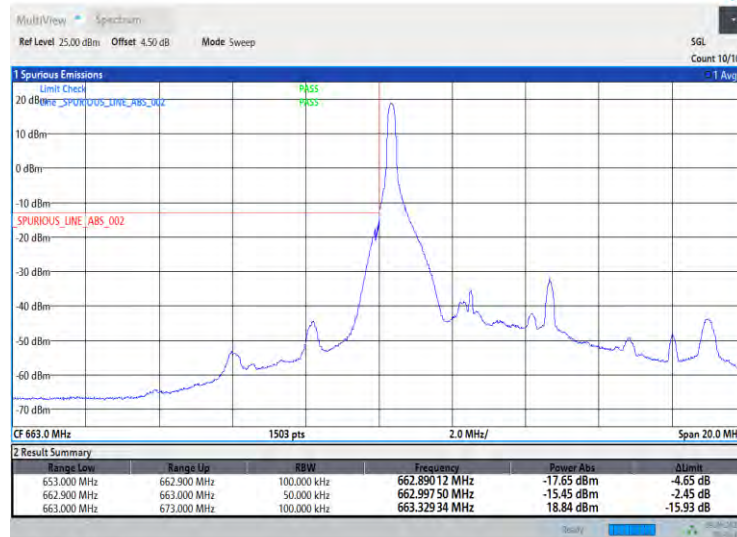
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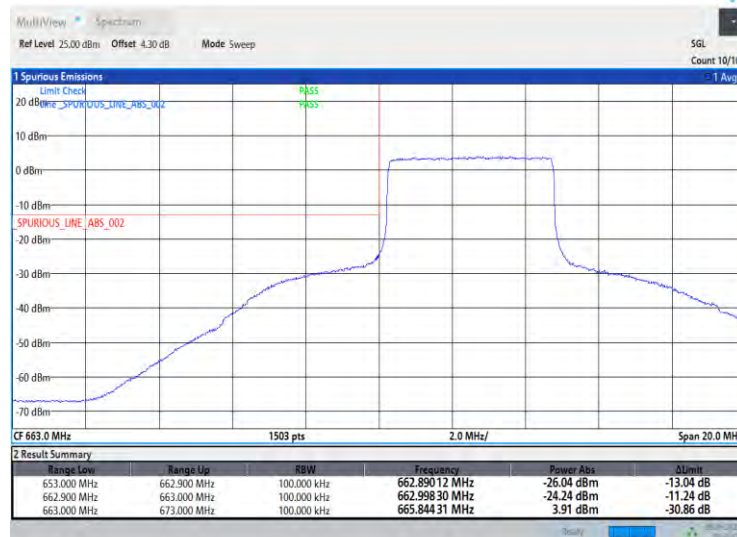
Test Graphs

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



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



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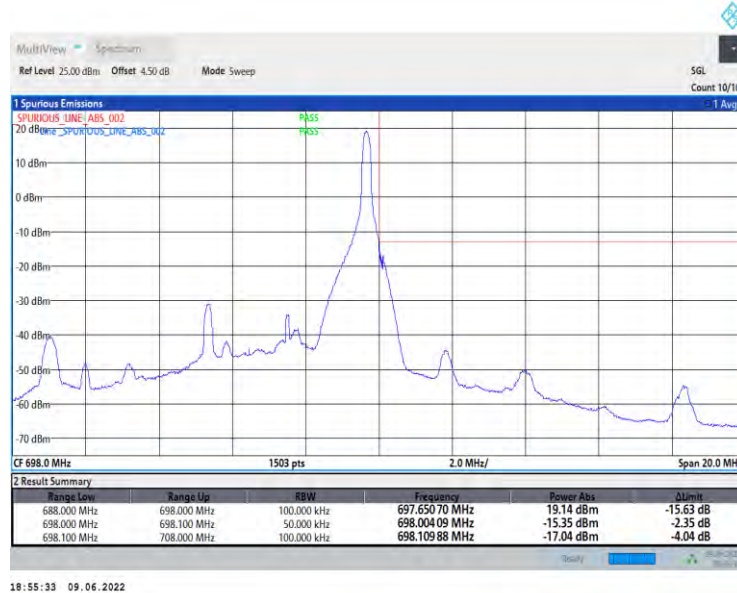
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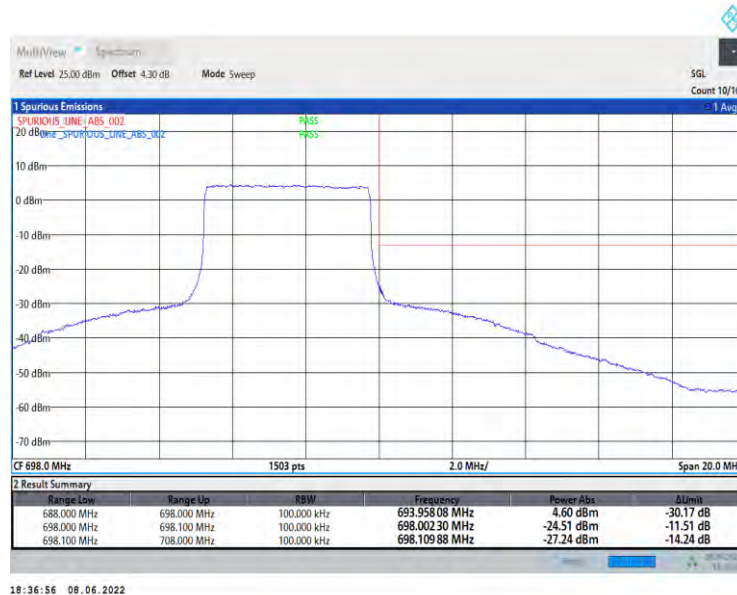
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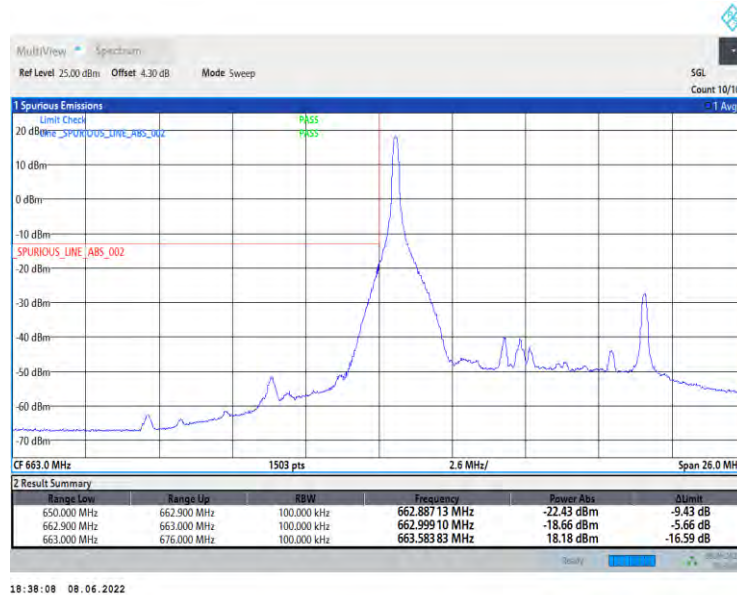
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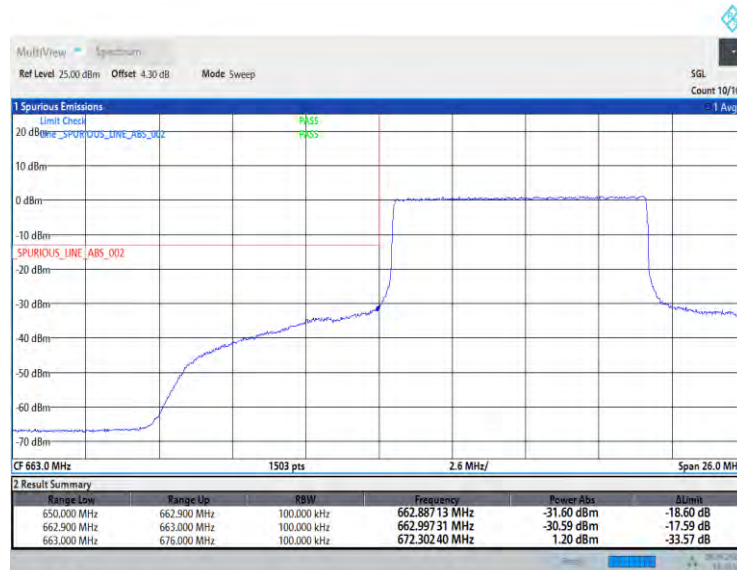
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Band71-10MHz-QPSK-133172-1RB#0



18:38:08 08.06.2022

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



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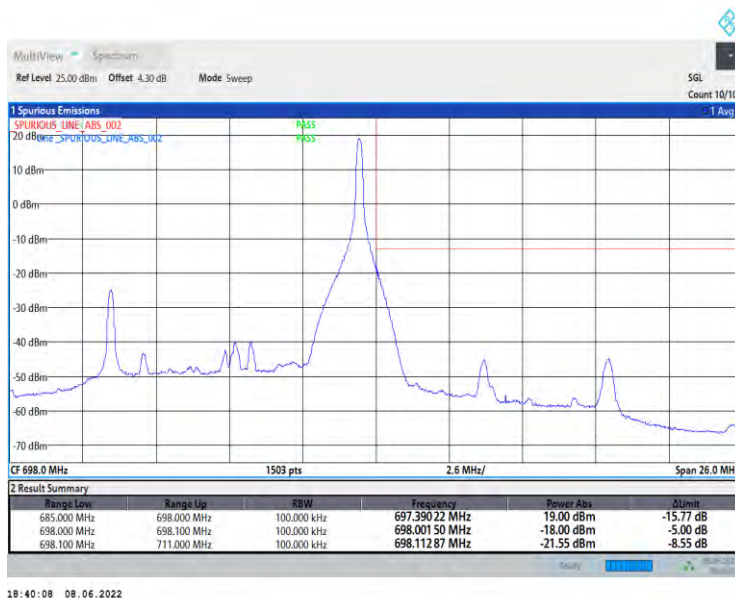
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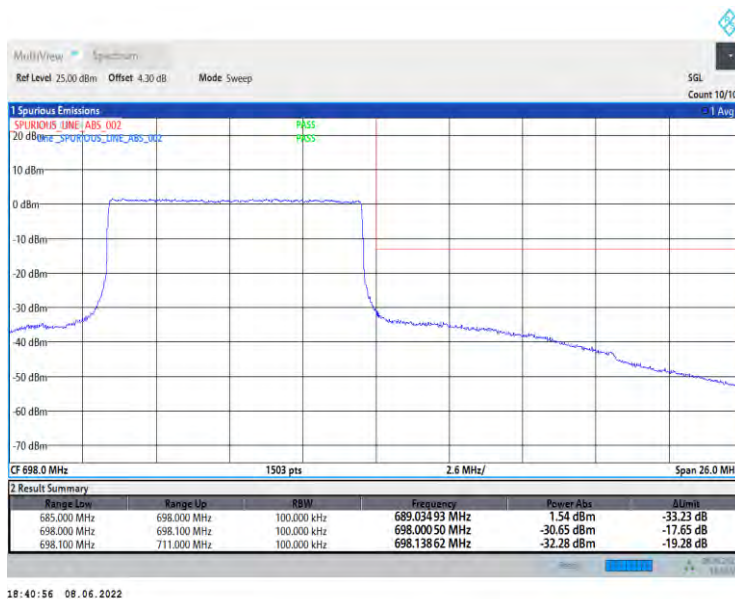
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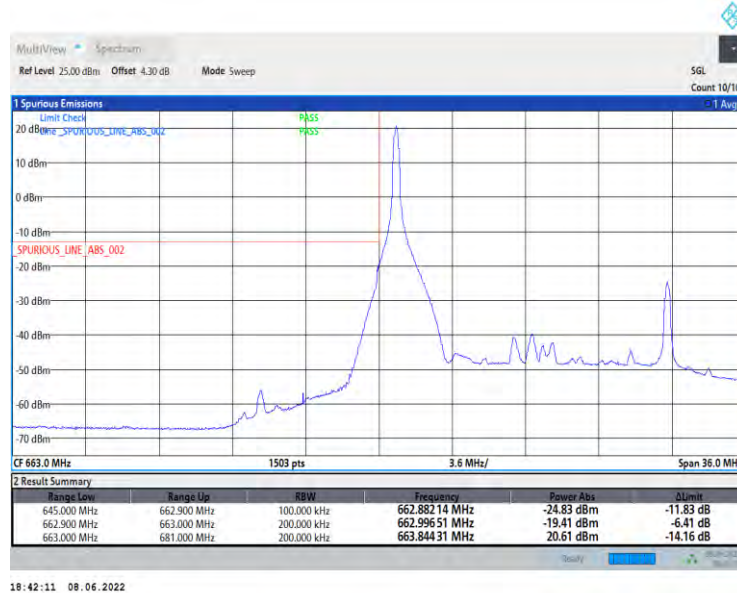
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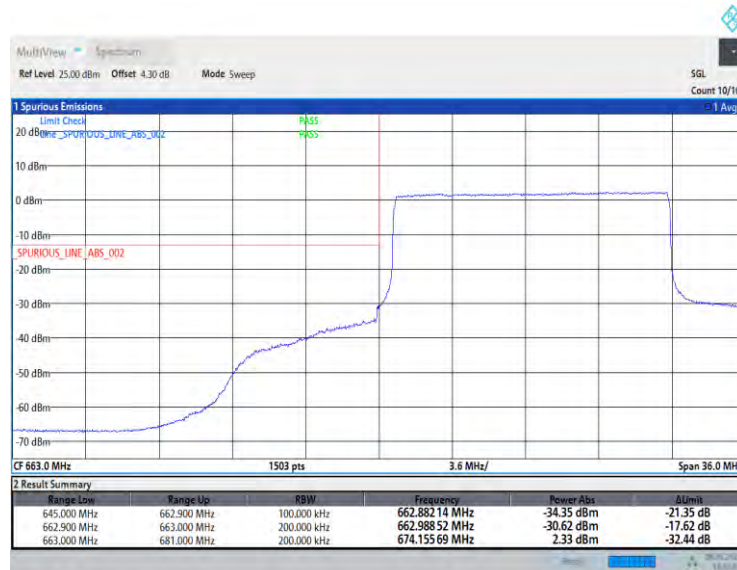
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Band71-15MHz-QPSK-133197-1RB#0



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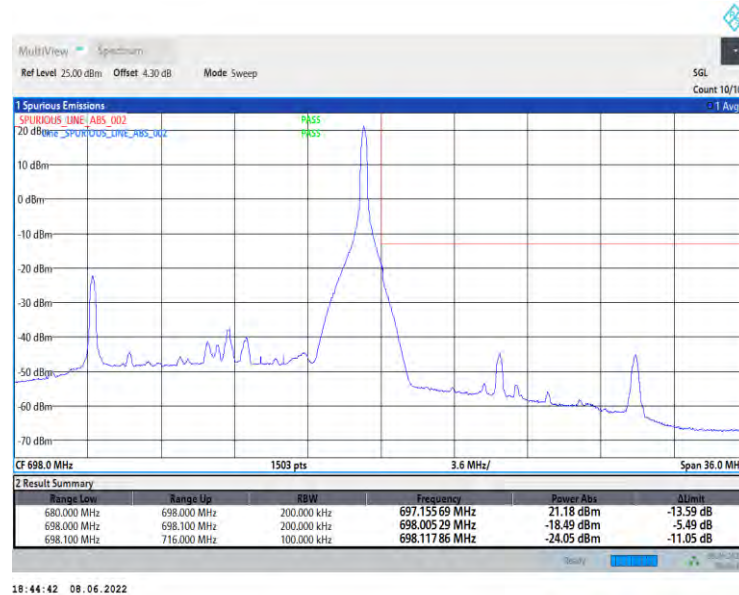
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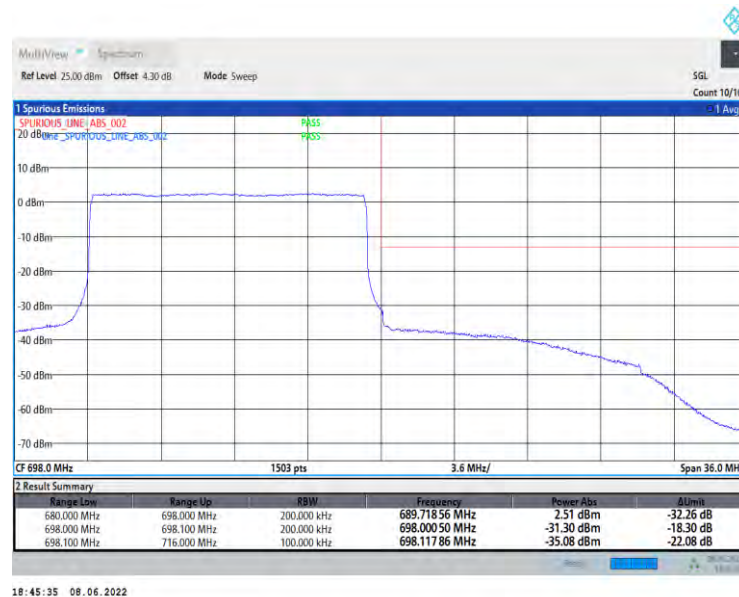
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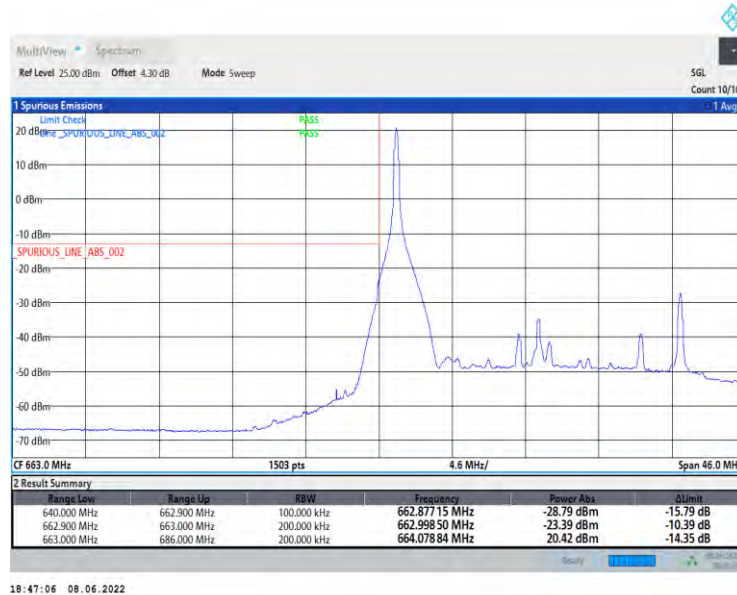
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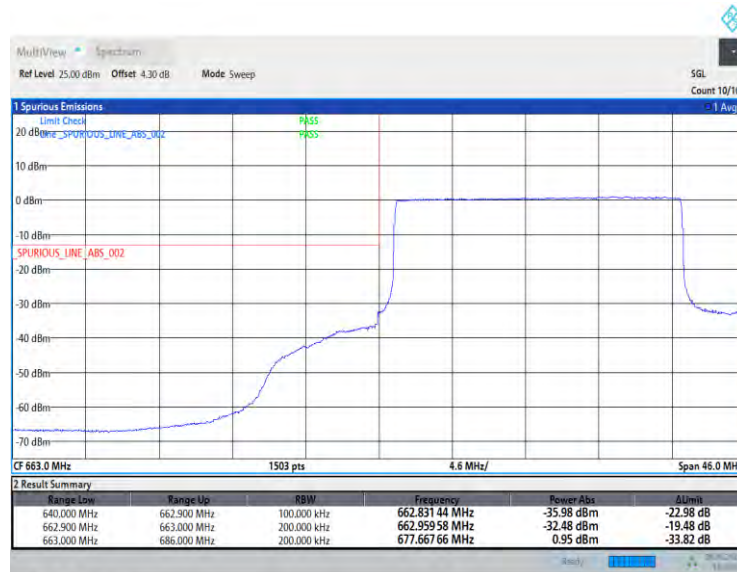
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Band71-20MHz-QPSK-133222-1RB#0



18:47:06 08.06.2022

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



18:48:04 08.06.2022



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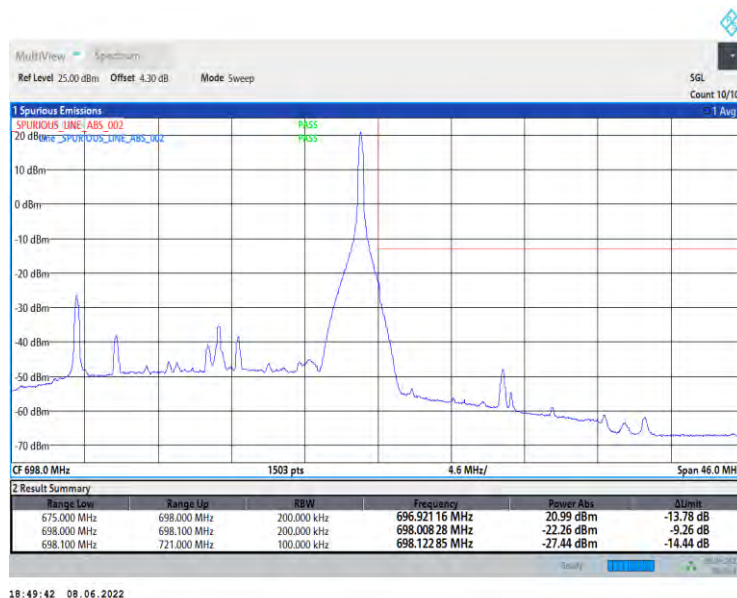
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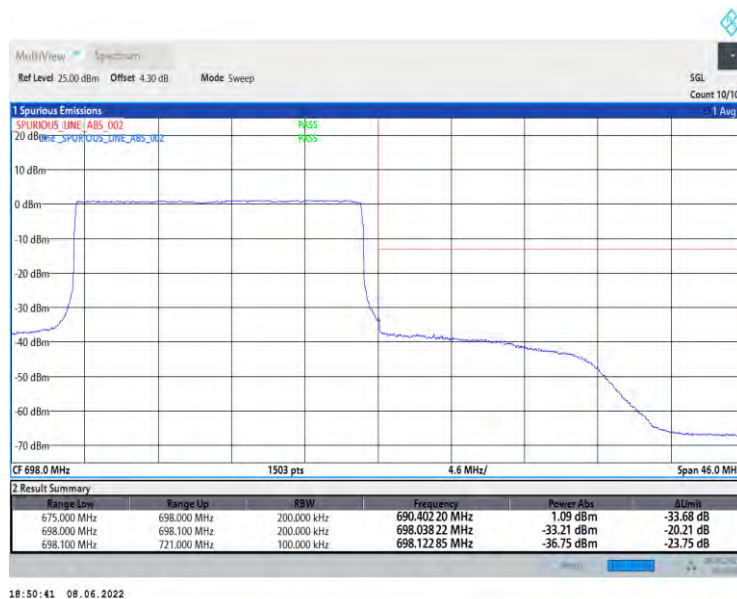
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Band71-20MHz-QPSK-133372-1RB#99



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



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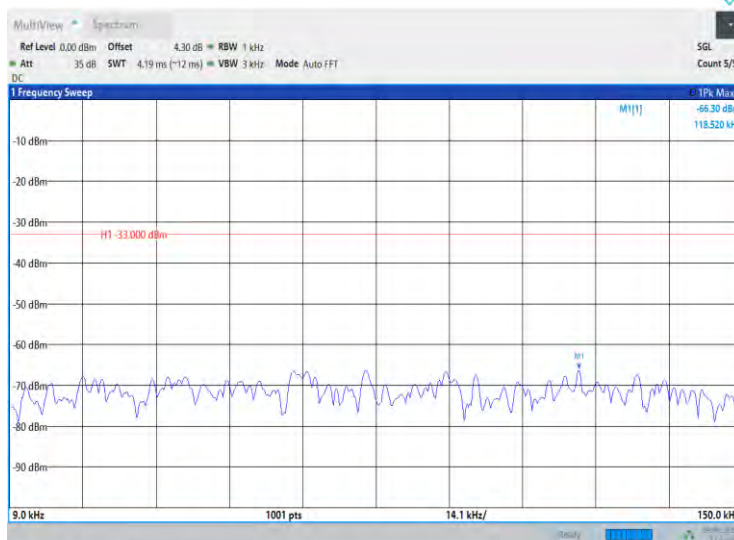
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Conducted Spurious Emission

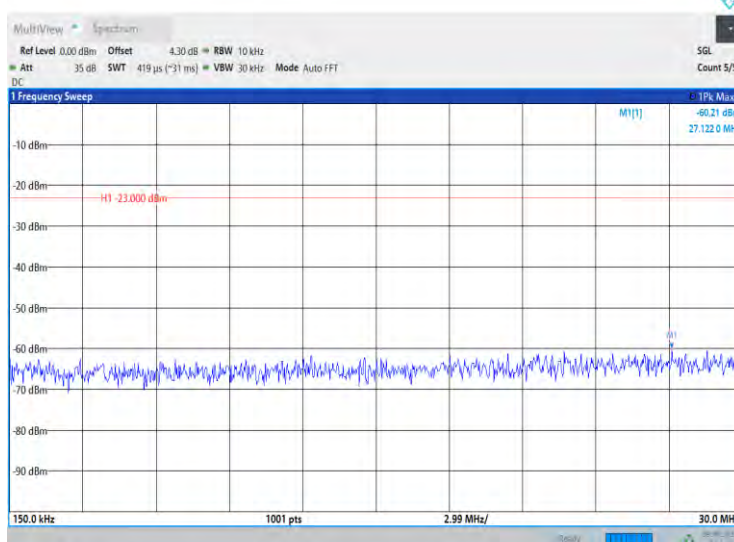
Test Graphs

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



17:54:00 09.06.2022

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



17:54:04 09.06.2022



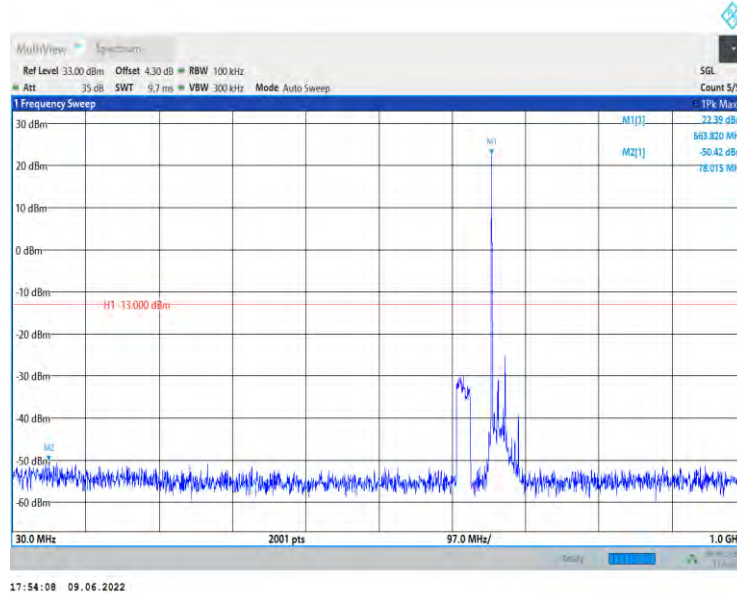
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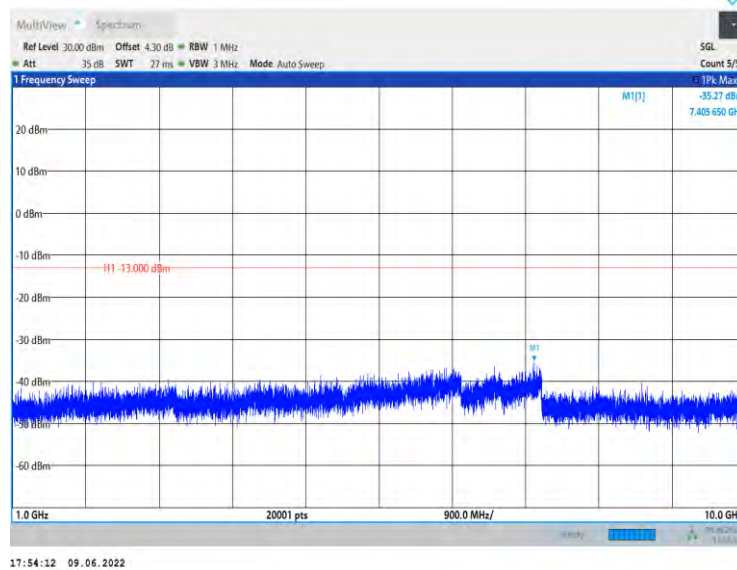
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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



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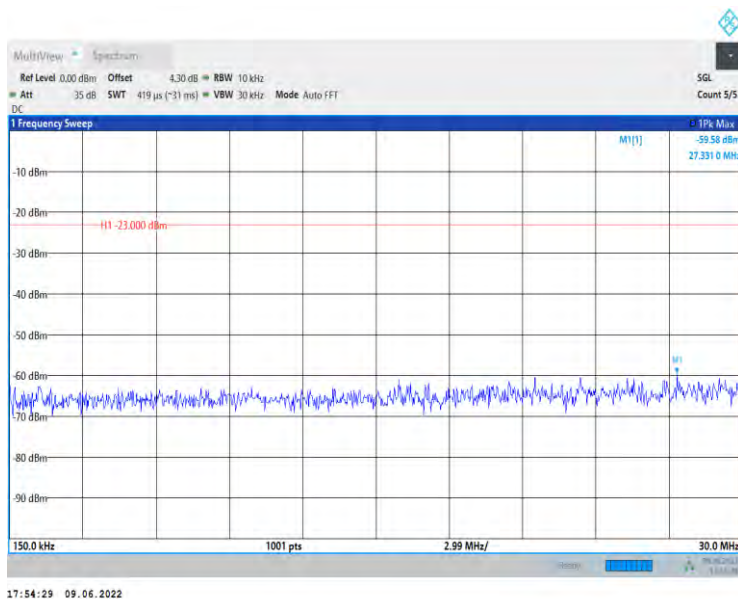
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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



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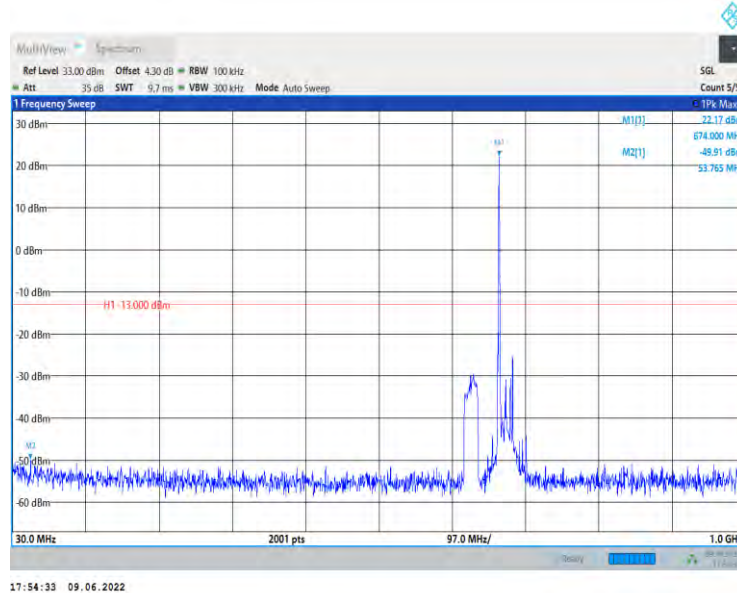
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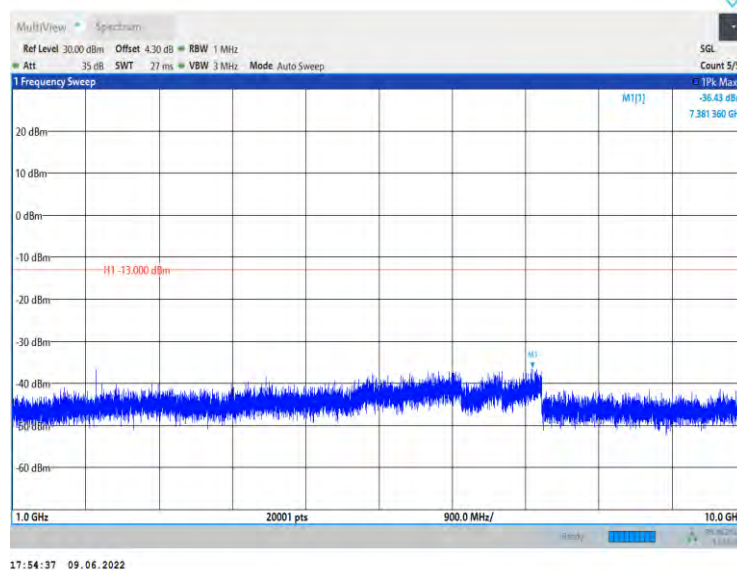
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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



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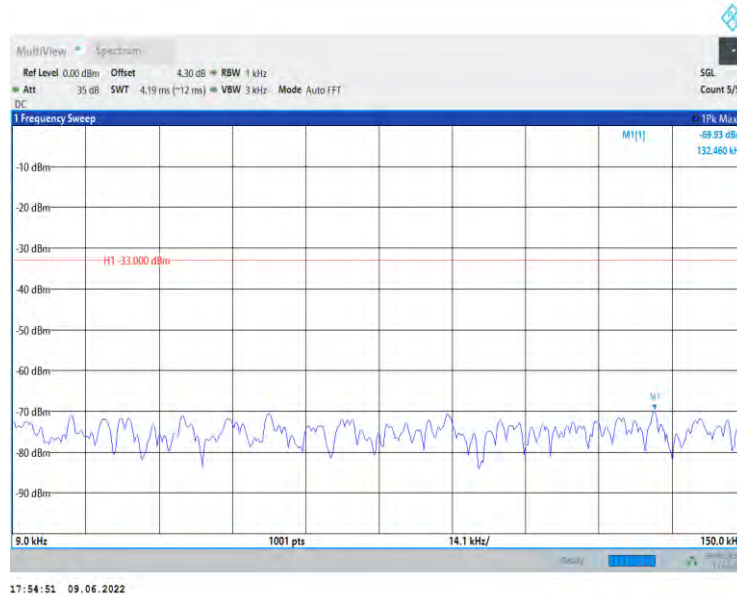
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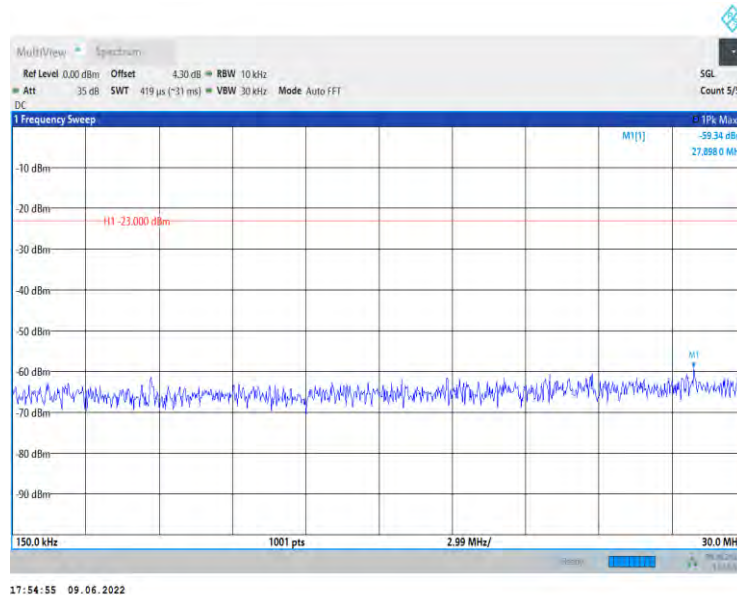
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



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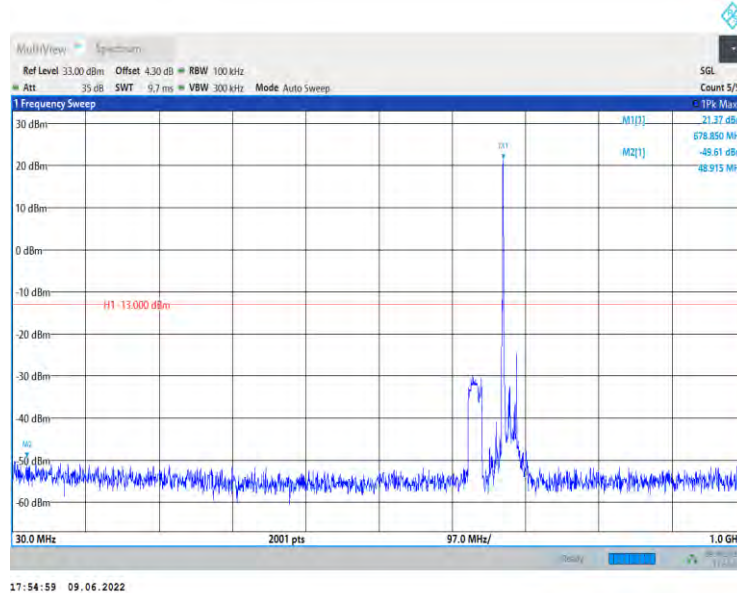
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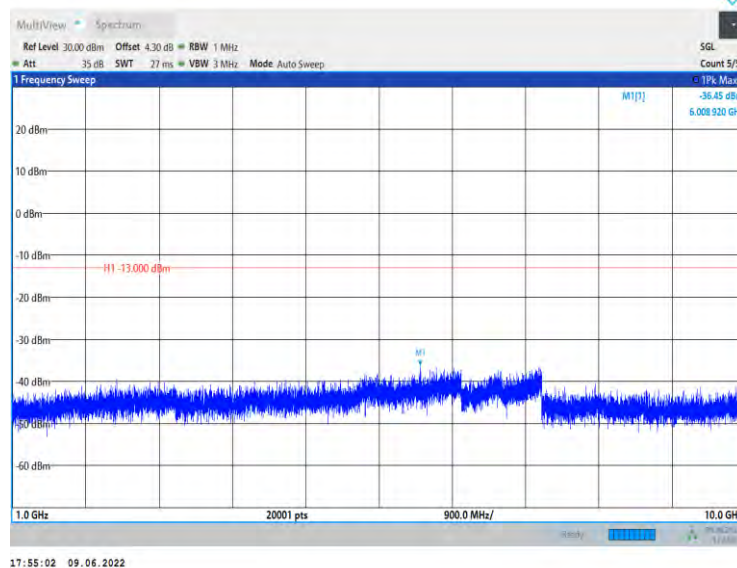
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Field Strength of Spurious Radiation

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	56.69	-48.79	25.54	-61.81	-13.00	48.81	163	0	Horizontal
2	1992	59.14	-48.08	26.84	-57.36	-13.00	44.36	251	140	Horizontal
3	2656	65.45	-47.14	28.43	-48.52	-13.00	35.52	174	79	Horizontal
4	3320	63.30	-46.14	29.47	-48.63	-13.00	35.63	185	24	Horizontal
5	3984	66.99	-45.50	30.56	-43.21	-13.00	30.21	263	195	Horizontal
6	4648.63	50.77	-44.59	31.76	-57.32	-13.00	44.32	150	147	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	56.56	-48.79	25.54	-61.94	-13.00	48.94	142	359	Vertical
2	1992	59.96	-48.08	26.84	-56.54	-13.00	43.54	286	229	Vertical
3	2656	68.82	-47.14	28.43	-45.15	-13.00	32.15	263	268	Vertical
4	3320	67.15	-46.14	29.47	-44.78	-13.00	31.78	241	157	Vertical
5	3984	65.70	-45.50	30.56	-44.50	-13.00	31.50	185	63	Vertical
6	4648.63	50.30	-44.59	31.76	-57.79	-13.00	44.79	263	253	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	55.76	-48.77	25.50	-62.77	-13.00	49.77	142	2	Horizontal
2	2022	57.84	-48.04	26.94	-58.51	-13.00	45.51	263	77	Horizontal
3	2696	65.98	-47.07	28.57	-47.78	-13.00	34.78	295	101	Horizontal
4	3370	64.86	-46.23	29.45	-47.18	-13.00	34.18	254	272	Horizontal
5	4044	58.94	-45.46	30.67	-51.11	-13.00	38.11	185	164	Horizontal
6	4718.63	50.69	-44.56	31.93	-57.20	-13.00	44.20	263	179	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	60.07	-48.77	25.50	-58.46	-13.00	45.46	142	34	Vertical
2	2022	59.75	-48.04	26.94	-56.60	-13.00	43.60	263	182	Vertical
3	2696	70.17	-47.07	28.57	-43.59	-13.00	30.59	296	359	Vertical
4	3370	67.27	-46.23	29.45	-44.77	-13.00	31.77	254	196	Vertical
5	4044	65.05	-45.46	30.67	-45.00	-13.00	32.00	142	19	Vertical
6	4718.63	50.68	-44.56	31.93	-57.21	-13.00	44.21	287	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	57.49	-48.76	25.48	-61.05	-13.00	48.05	142	0	Horizontal
2	2037.27	55.42	-48.00	26.98	-60.87	-13.00	47.87	286	108	Horizontal
3	2716	60.81	-47.00	28.63	-52.81	-13.00	39.81	265	124	Horizontal
4	3395.45	57.67	-46.27	29.44	-54.42	-13.00	41.42	241	154	Horizontal
5	4074	57.67	-45.43	30.72	-52.31	-13.00	39.31	188	131	Horizontal
6	4753.63	50.78	-44.58	32.01	-57.05	-13.00	44.05	297	289	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	60.20	-48.76	25.48	-58.34	-13.00	45.34	142	63	Vertical
2	2037.27	56.60	-48.00	26.98	-59.69	-13.00	46.69	296	229	Vertical
3	2716	66.79	-47.00	28.63	-46.83	-13.00	33.83	265	291	Vertical
4	3395.45	57.64	-46.27	29.44	-54.45	-13.00	41.45	284	244	Vertical
5	4074	63.00	-45.43	30.72	-46.98	-13.00	33.98	174	10	Vertical
6	4753.63	51.94	-44.58	32.01	-55.89	-13.00	42.89	110	284	Vertical

Remark:

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

Level = Reading Level(dBμV) + Factor(dB):

Factor = AF(dB/m) + Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBm) – Level(dBm)

dBm = dBμV – 95.26



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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	-10.00	-0.014641	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-11.20	-0.016398	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-8.60	-0.012592	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-11.00	-0.016105	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-4.60	-0.006735	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-6.70	-0.009810	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-11.90	-0.017423	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-8.30	-0.012152	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-8.50	-0.012445	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-10.30	-0.015081	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-9.10	-0.013324	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-5.60	-0.008199	PASS

---End of Attachment---



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