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Rev.: 01  
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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	23.72	22.79	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.59	22.66	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.68	23.75	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.69	21.76	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.32	23.39	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.97	24.04	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.83	23.9	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.93	23	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.51	23.58	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.89	23.96	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.73	23.8	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.96	23.03	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.56	21.63	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.58	21.65	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.92	22.99	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.67	20.74	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	24.1	23.17	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	24.16	23.23	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.95	23.02	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.98	22.05	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	24.15	23.22	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	24.12	23.19	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.86	22.93	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	23	22.07	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.6	20.67	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.62	20.69	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.85	21.92	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	20.58	19.65	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	23.29	22.36	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	23.2	22.27	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.88	21.95	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.98	21.05	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	23.07	22.14	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	23.08	22.15	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.99	22.06	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	22	21.07	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.53	18.6	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.42	18.49	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.9	18.97	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.57	18.64	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	20.05	19.12	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	20.24	19.31	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	20.08	19.15	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.98	19.05	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	19.96	19.03	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	20.32	19.39	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	19.99	19.06	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	19.95	19.02	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.59	22.66	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.86	23.93	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.86	23.93	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.86	22.93	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.12	23.19	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.69	23.76	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.98	24.05	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.99	23.06	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.53	23.6	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.5	23.57	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.79	23.86	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	24.13	23.2	34.77	PASS



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Band71	10MHz	16QAM	133172	1RB#0	22.55	21.62	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.97	23.04	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	24.17	23.24	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	23.01	22.08	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	24.07	23.14	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	24.23	23.3	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	24.17	23.24	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.98	22.05	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	24.12	23.19	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	24.25	23.32	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.92	22.99	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	23.11	22.18	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.47	20.54	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	23.09	22.16	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	23.2	22.27	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.95	21.02	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	23.3	22.37	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	23.11	22.18	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	23.12	22.19	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.96	21.03	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	23.28	22.35	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	23.23	22.3	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.96	22.03	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	22.14	21.21	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.12	18.19	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.92	18.99	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	20.05	19.12	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	20.01	19.08	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	20	19.07	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	19.99	19.06	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	19.98	19.05	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	20.03	19.1	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	19.95	19.02	34.77	PASS



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Band71	10MHz	256QAM	133422	1RB#24	20.24	19.31	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	19.85	18.92	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	20.11	19.18	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.51	22.58	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.78	23.85	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.68	23.75	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.92	22.99	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	21.44	20.51	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.87	23.94	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.89	23.96	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.86	22.93	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.36	23.43	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.98	24.05	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.73	23.8	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.87	22.94	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.47	21.54	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.93	23	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.81	22.88	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.96	22.03	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.92	22.99	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.99	23.06	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.93	23	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.88	21.95	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	24.21	23.28	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	24.09	23.16	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.83	22.9	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.89	21.96	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.41	20.48	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.93	22	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	23.15	22.22	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.81	20.88	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.91	21.98	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	23.03	22.1	34.77	PASS



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Band71	15MHz	64QAM	133297	1RB#74	23.27	22.34	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.9	20.97	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.89	21.96	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	23.16	22.23	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	23.04	22.11	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.92	20.99	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	18.99	18.06	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.9	18.97	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.94	19.01	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	19.82	18.89	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	19.92	18.99	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	20.05	19.12	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	19.85	18.92	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	19.79	18.86	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	19.94	19.01	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	20.12	19.19	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	19.93	19	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	19.91	18.98	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.54	22.61	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.87	23.94	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.77	23.84	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.81	22.88	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.59	23.66	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.9	23.97	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.93	24	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.94	23.01	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.63	23.7	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.93	24	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.76	23.83	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.98	23.05	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.32	21.39	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.96	23.03	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.77	22.84	34.77	PASS



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Band71	20MHz	16QAM	133222	100RB#0	23.1	22.17	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	24.29	23.36	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.88	22.95	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	24.35	23.42	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.93	22	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.85	22.92	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	24.42	23.49	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.72	22.79	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	23	22.07	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.33	20.4	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	23.16	22.23	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.86	21.93	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.97	21.04	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	23.15	22.22	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	23.38	22.45	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	23.19	22.26	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	22.06	21.13	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	23.02	22.09	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	23.01	22.08	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.79	21.86	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.88	20.95	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	18.13	17.2	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	20.1	19.17	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.85	18.92	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.96	19.03	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	19.85	18.92	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	20	19.07	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	20.11	19.18	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	19.82	18.89	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.93	19	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	19.85	18.92	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	19.79	18.86	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.99	19.06	34.77	PASS



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Report No.: SEWA2204000008RG01

Rev.: 01

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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



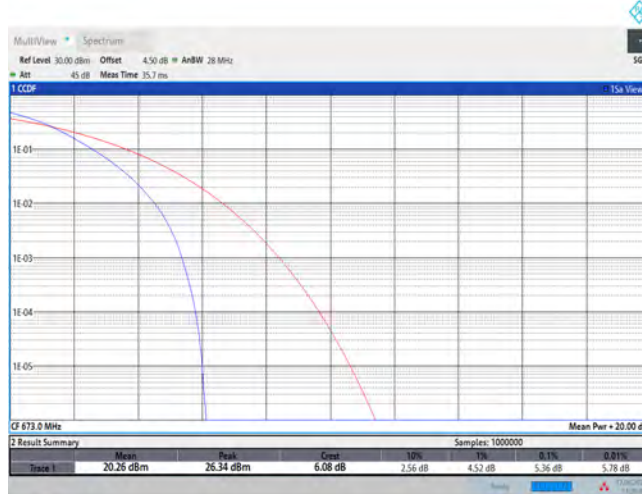
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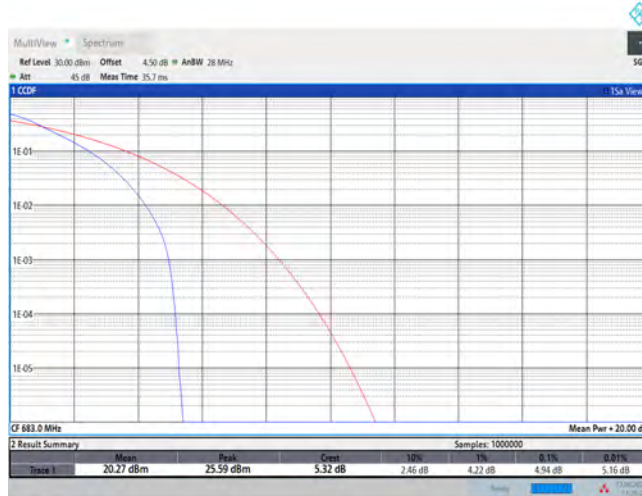
Test Graphs

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



11:25:04 17.04.2022

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



11:25:20 17.04.2022



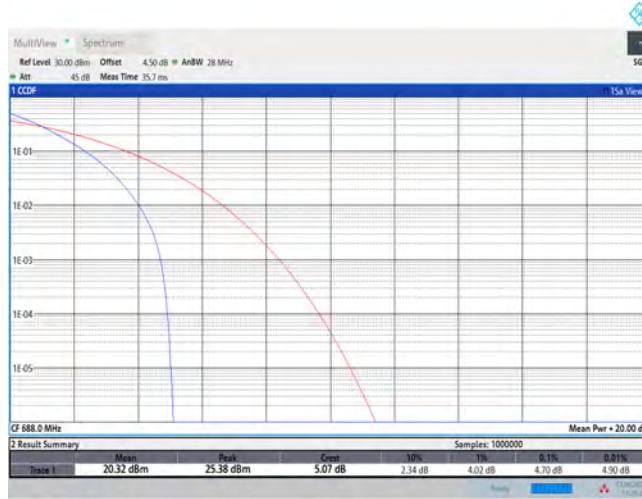
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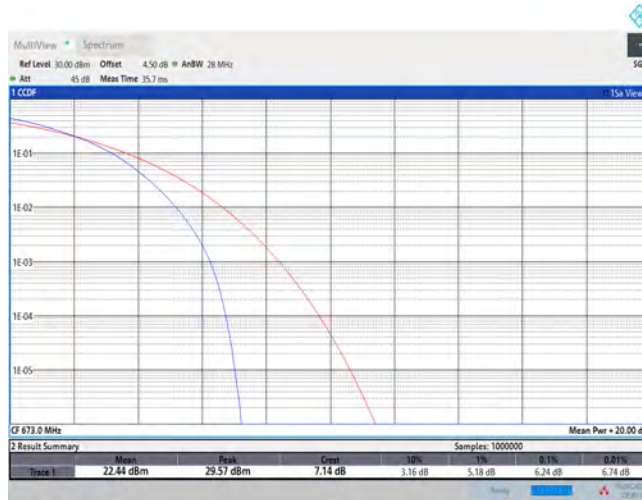
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Band71-20MHz-QPSK-133372-100RB#0



11:25:37 17.04.2022

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



22:45:33 16.04.2022



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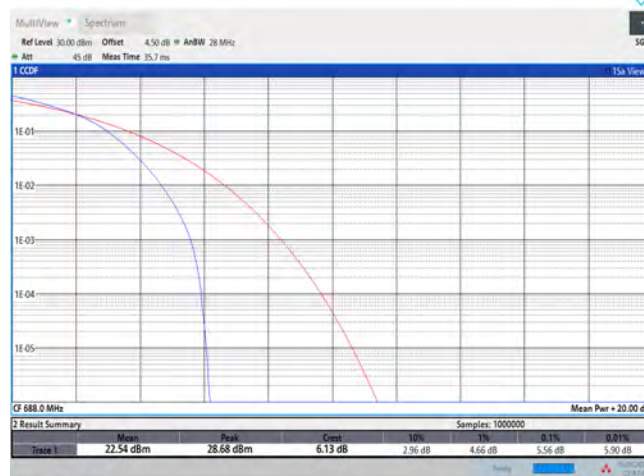
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Band71-20MHz-16QAM-133322-100RB#0



22:46:40 16.04.2022

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



22:47:48 16.04.2022



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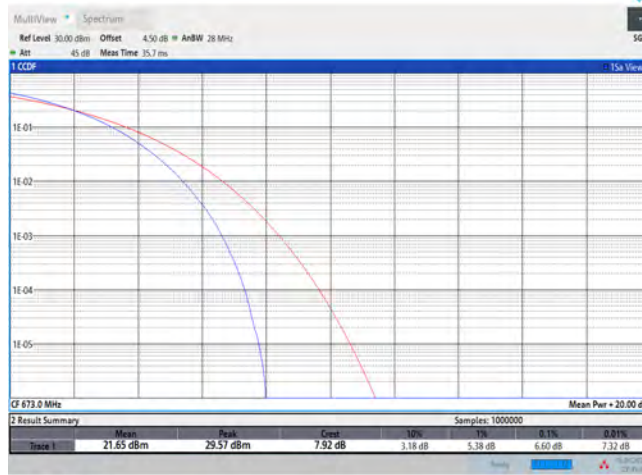
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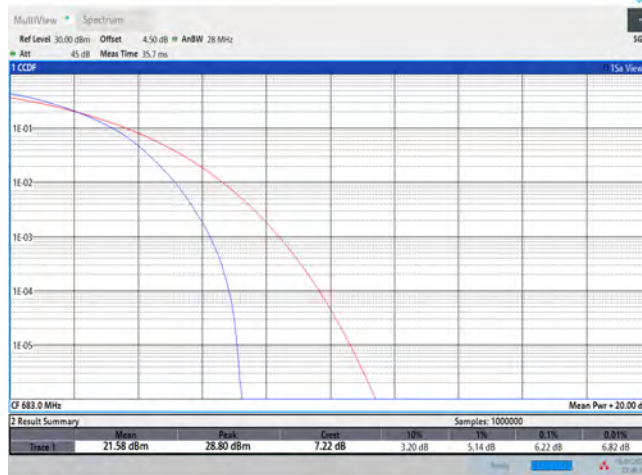


Band71-20MHz-64QAM-133222-100RB#0



22:45:49 16.04.2022

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



22:46:54 16.04.2022



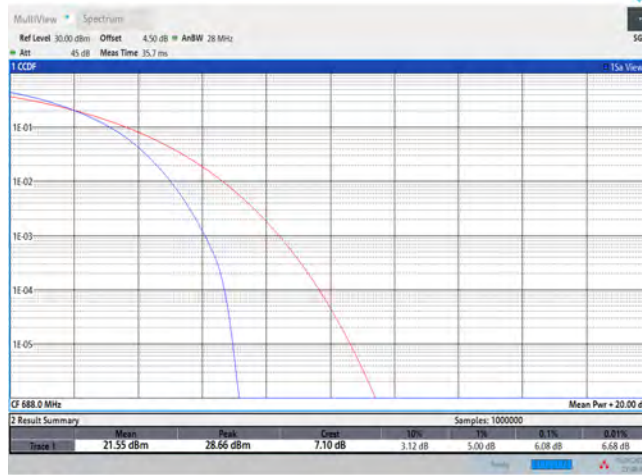
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Band71-20MHz-64QAM-133372-100RB#0



22:48:04 16.04.2022

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



22:46:05 16.04.2022



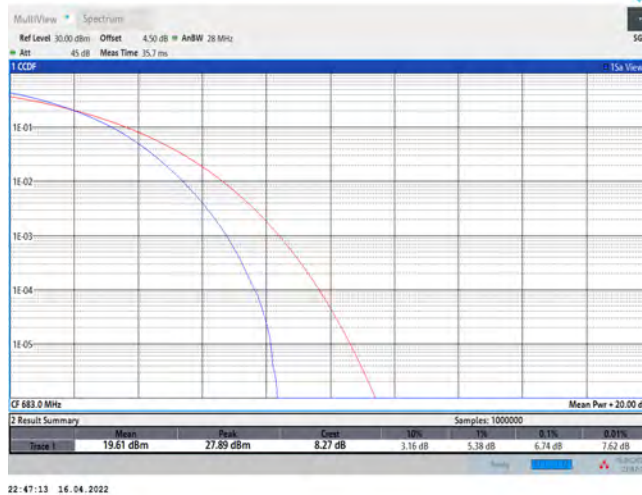
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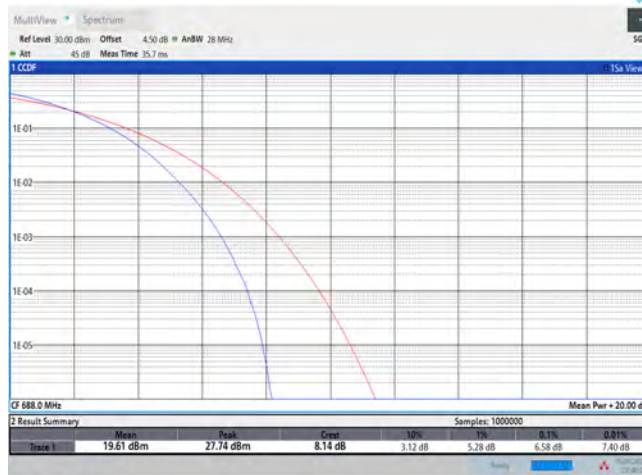
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Band71-20MHz-256QAM-133322-100RB#0



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



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## Modulation Characteristics

### Test Result

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



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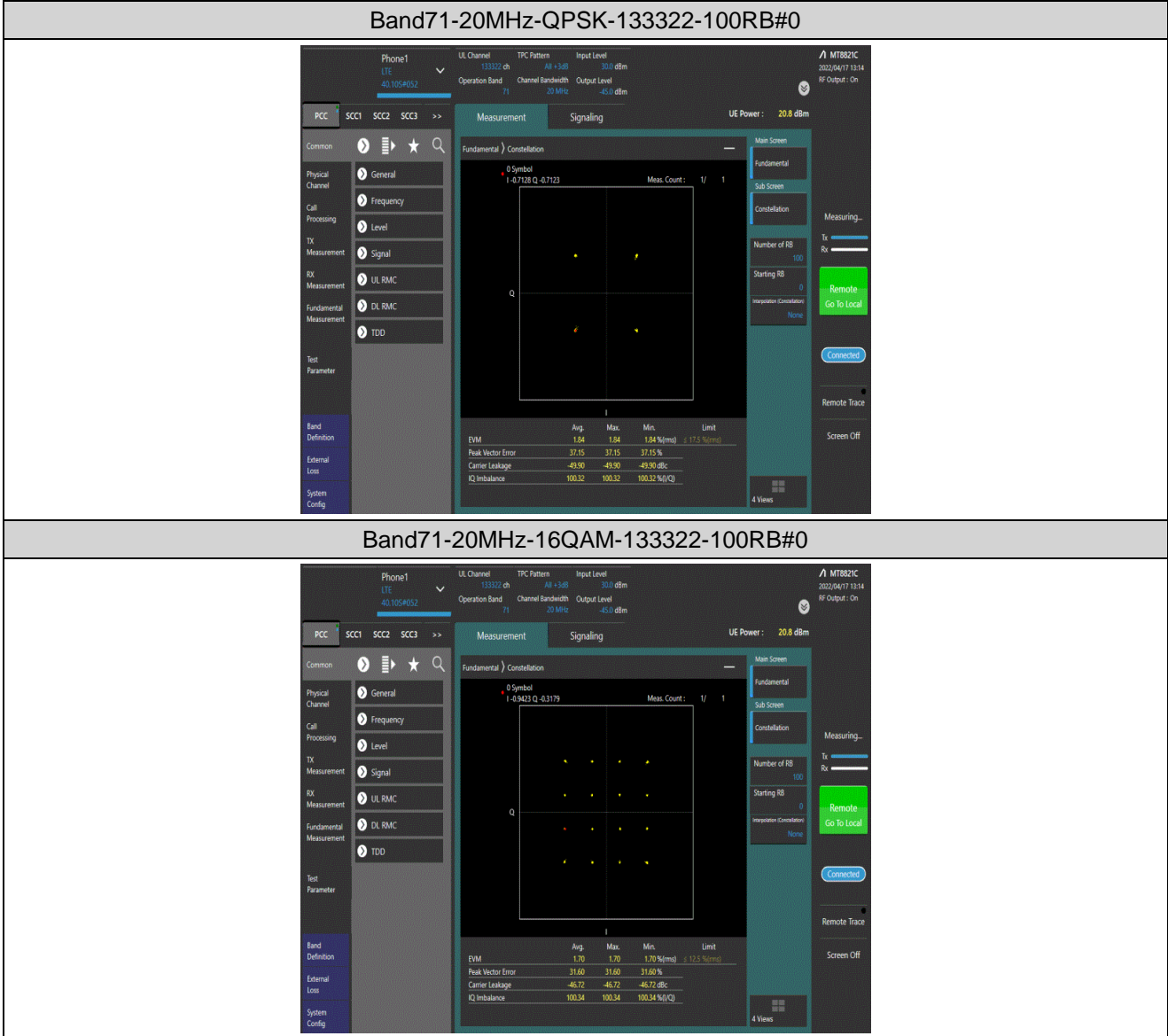
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Test Graphs



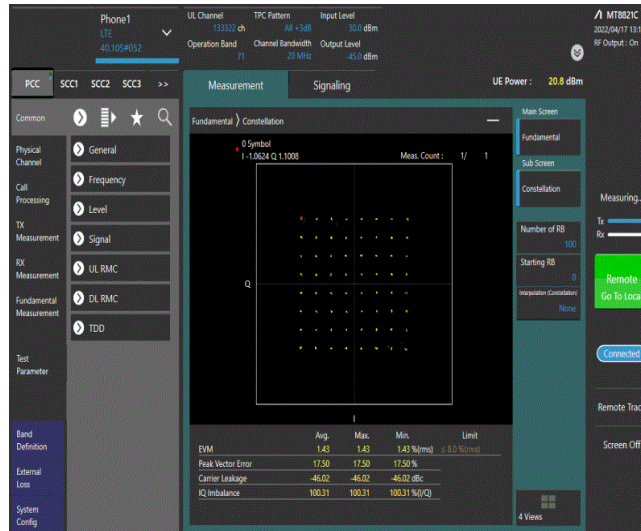
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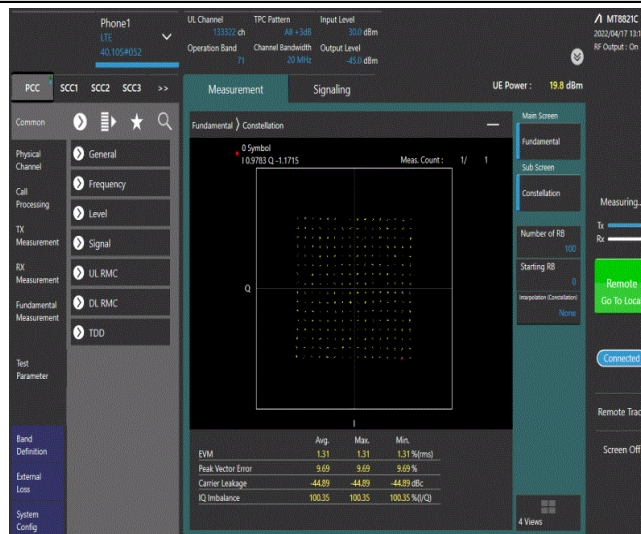
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Band71-20MHz-64QAM-133322-100RB#0



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



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.487	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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Report No.: SEWA2204000008RG01

Rev.: 01

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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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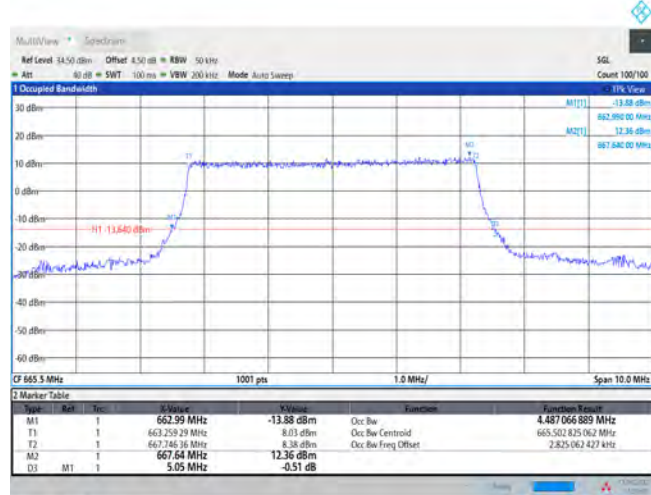
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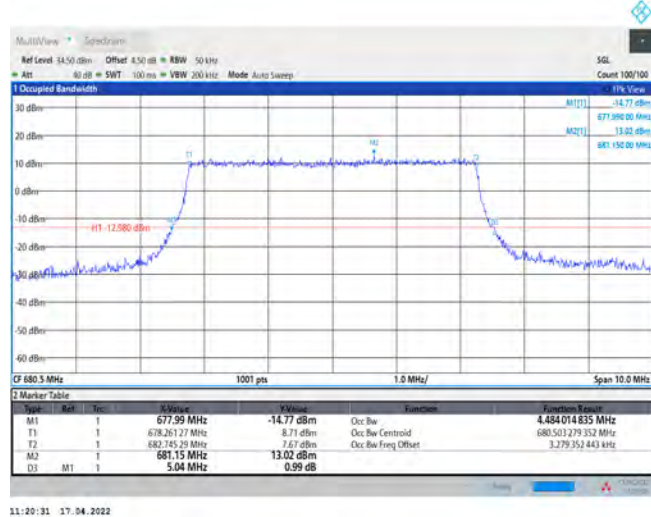


Test Graphs

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



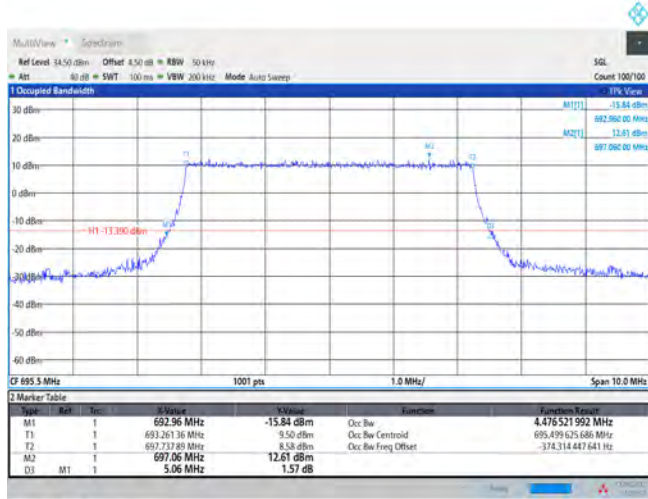
Band71-5MHz-QPSK-133297-25RB#0



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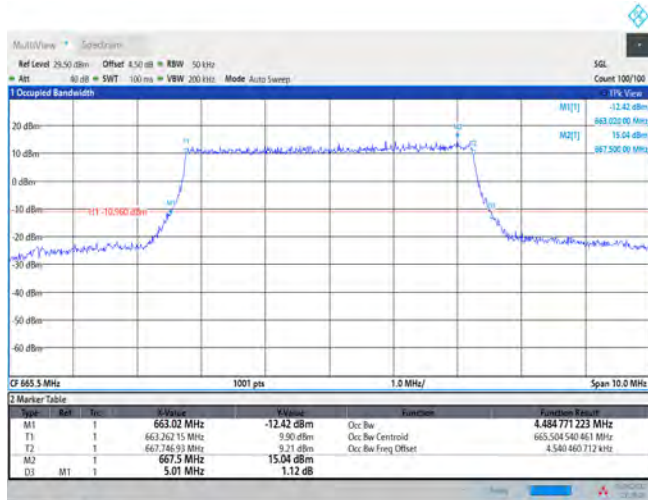
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Band71-5MHz-QPSK-133447-25RB#0



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

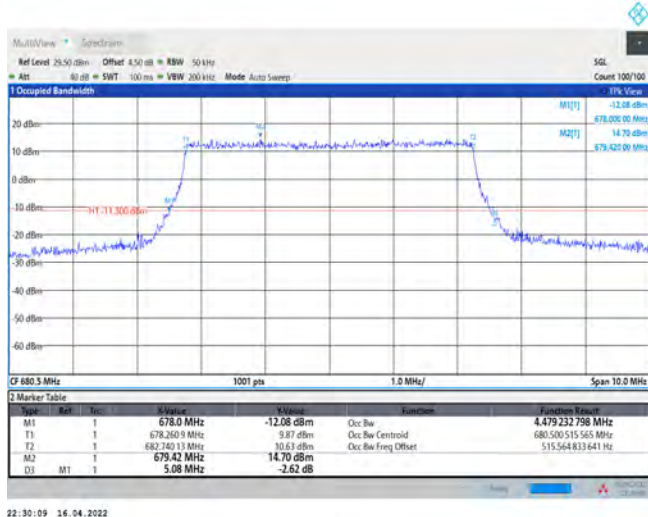


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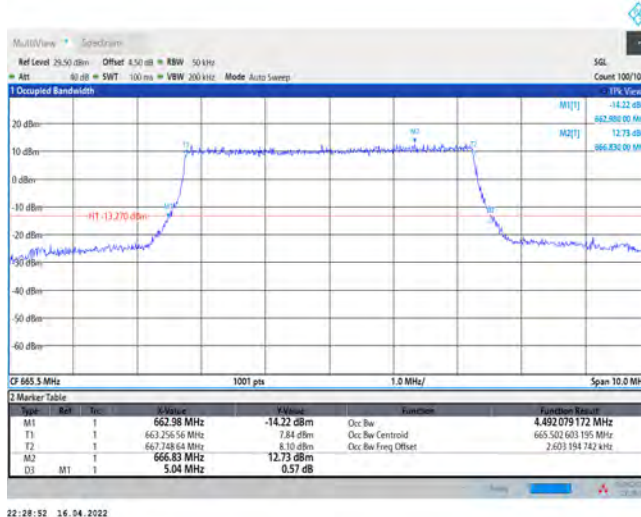
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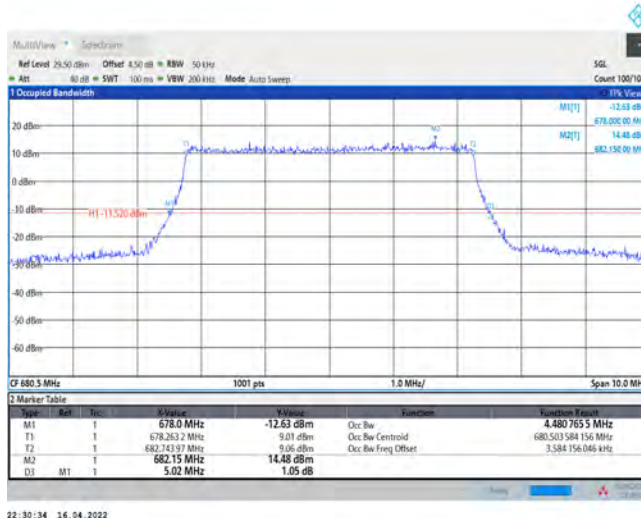


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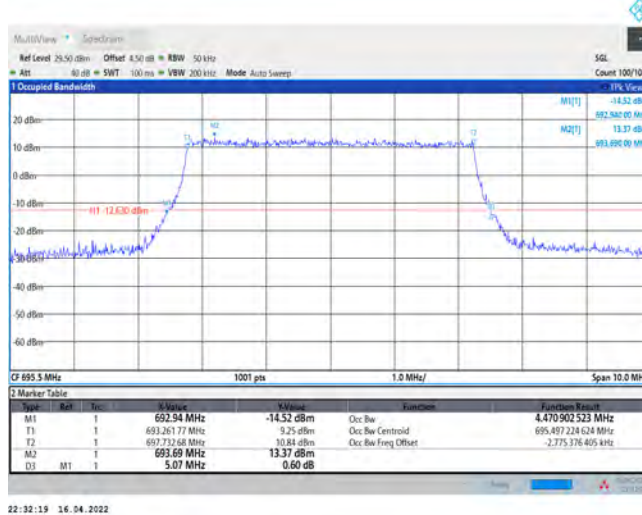
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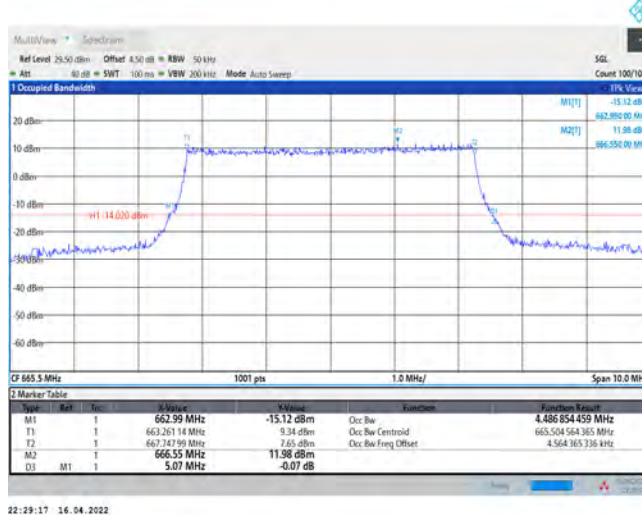
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Band71-5MHz-256QAM-133147-25RB#0

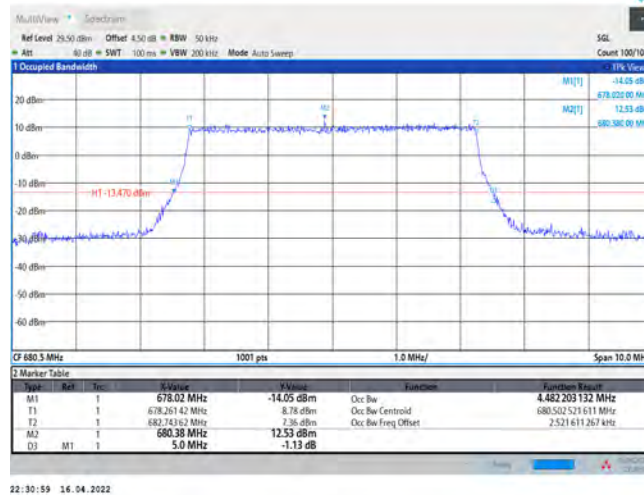


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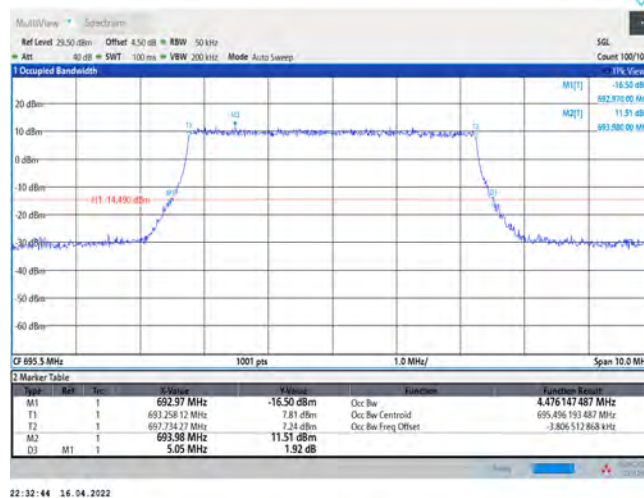
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Band71-5MHz-256QAM-133447-25RB#0



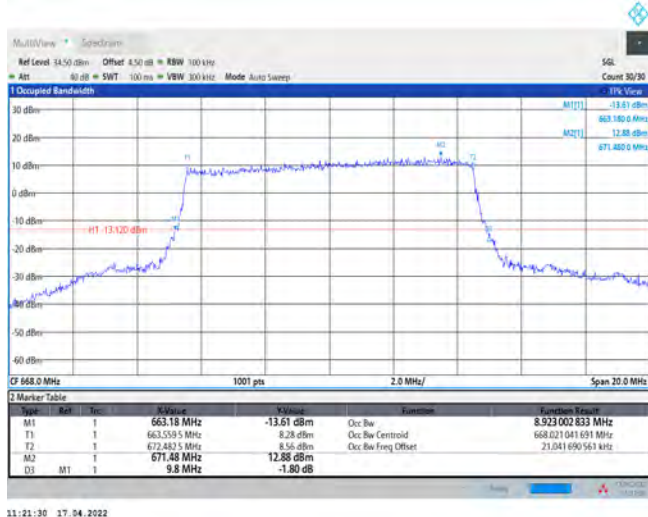
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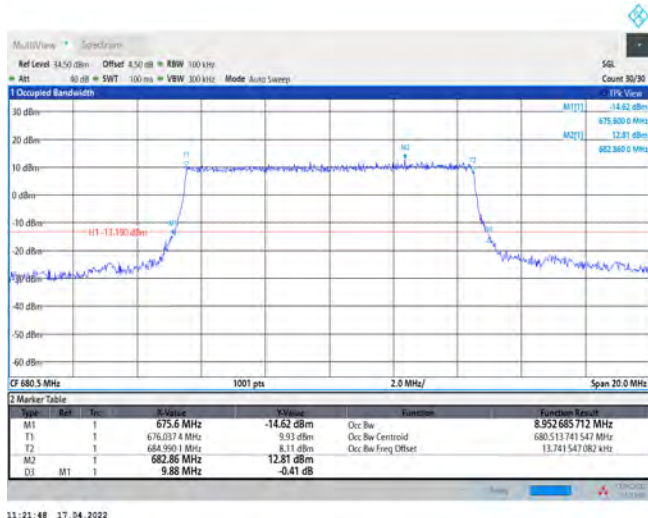
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Band71-10MHz-QPSK-133172-50RB#0



11:21:30 17.04.2022

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



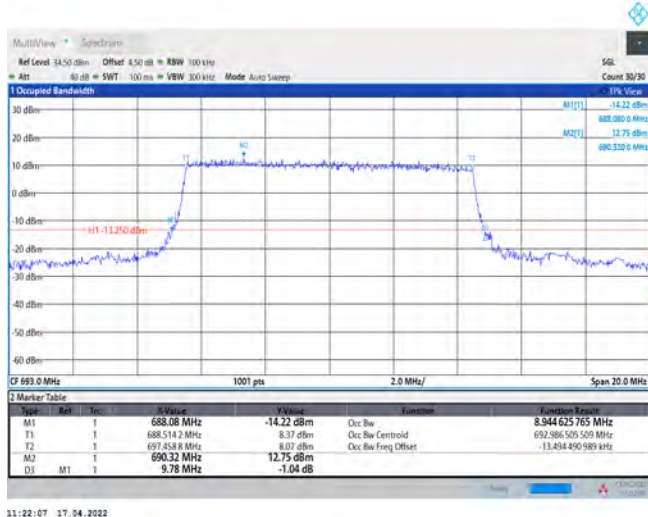
11:21:48 17.04.2022



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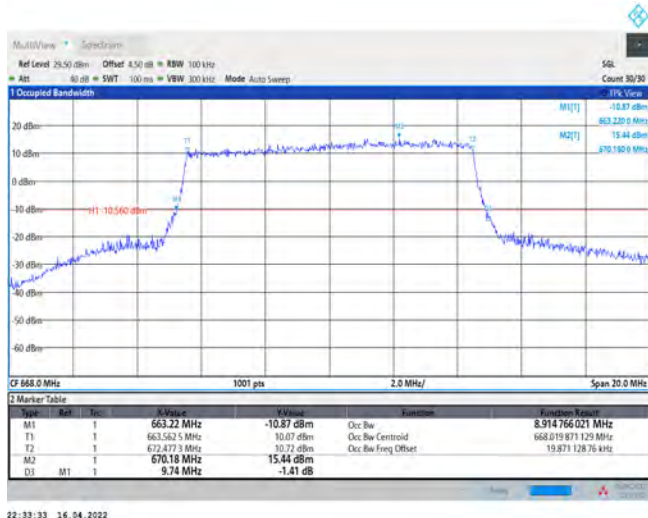


Band71-10MHz-QPSK-133422-50RB#0



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



22:33:33 16.04.2022

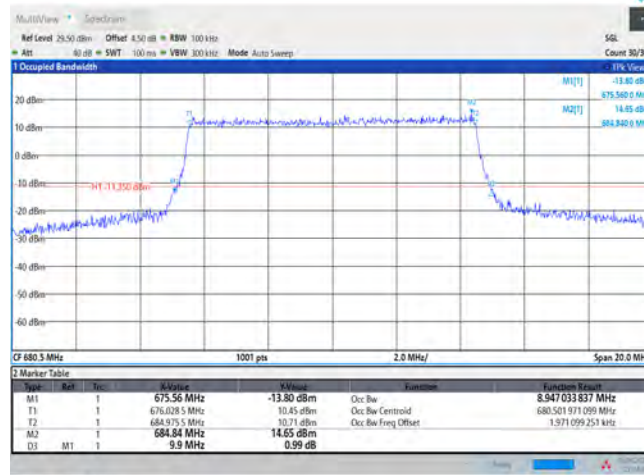


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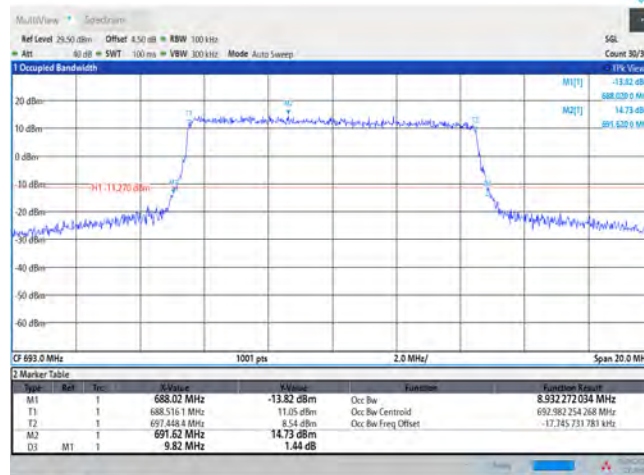


Band71-10MHz-16QAM-133297-50RB#0



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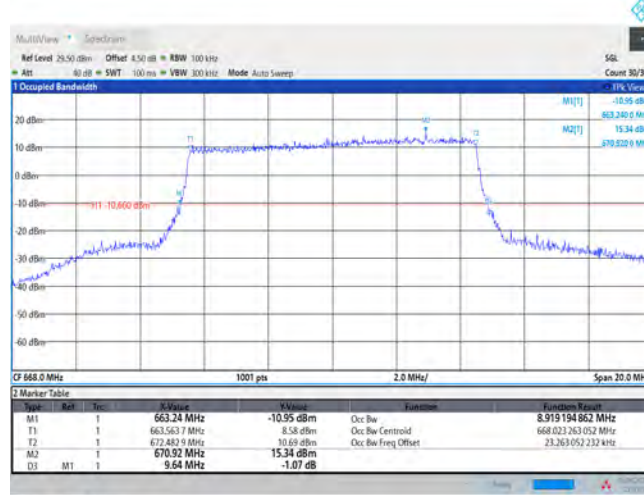


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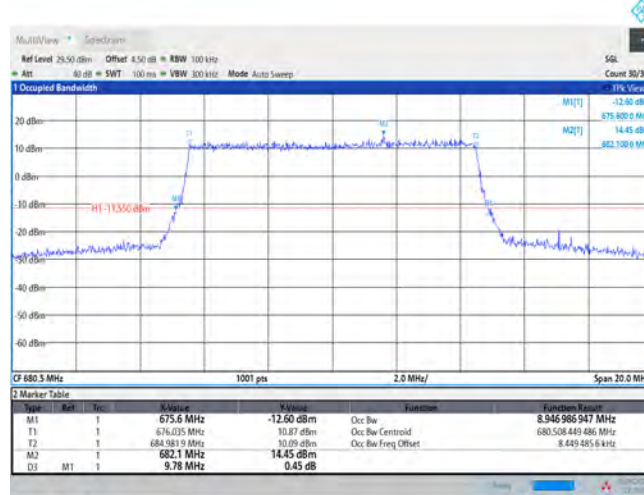
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Band71-10MHz-64QAM-133172-50RB#0



22:33:52 16.04.2022

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



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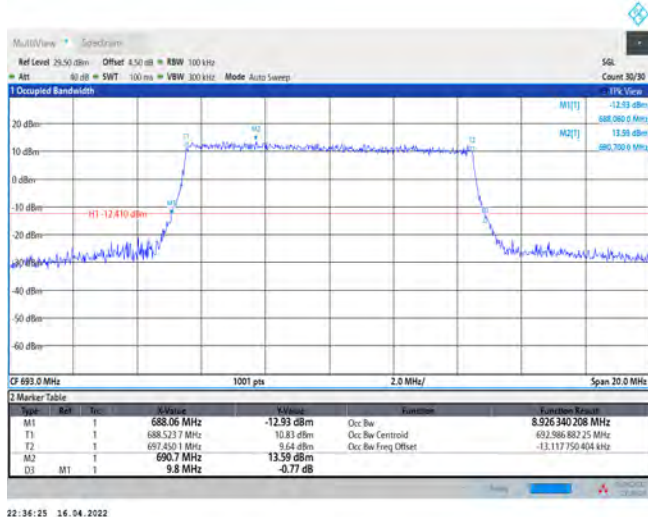
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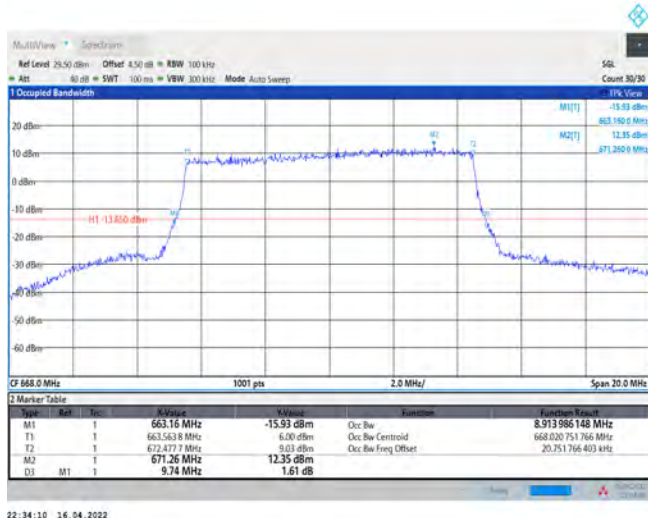
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Band71-10MHz-64QAM-133422-50RB#0



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



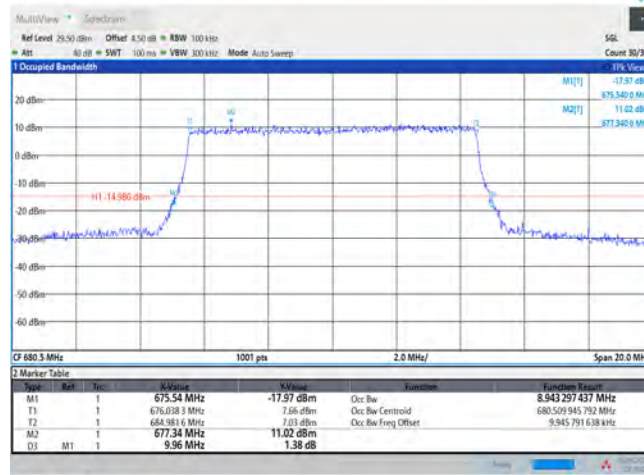
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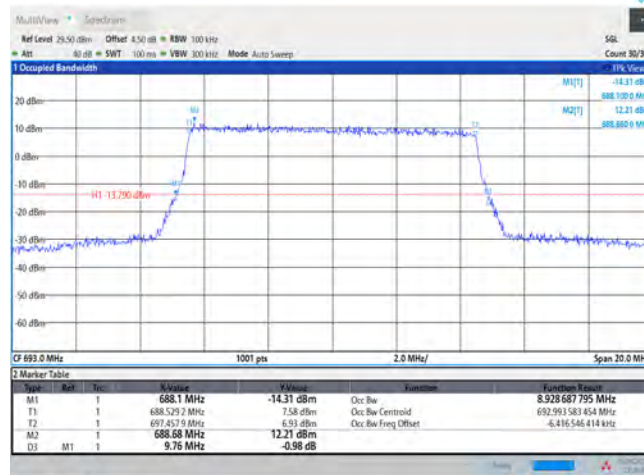


Band71-10MHz-256QAM-133297-50RB#0



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



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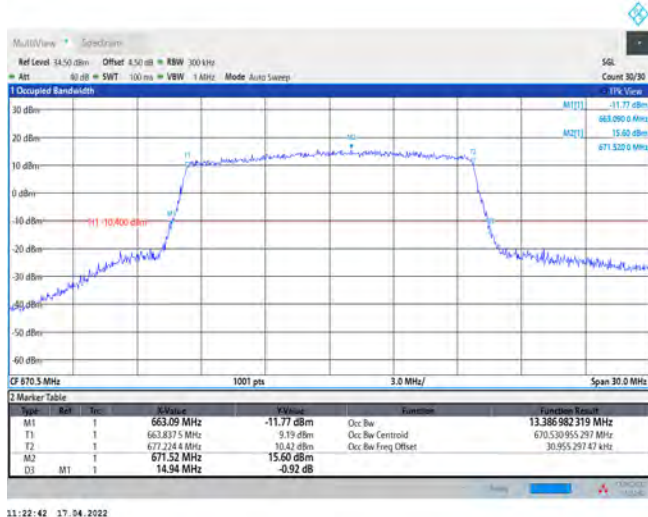
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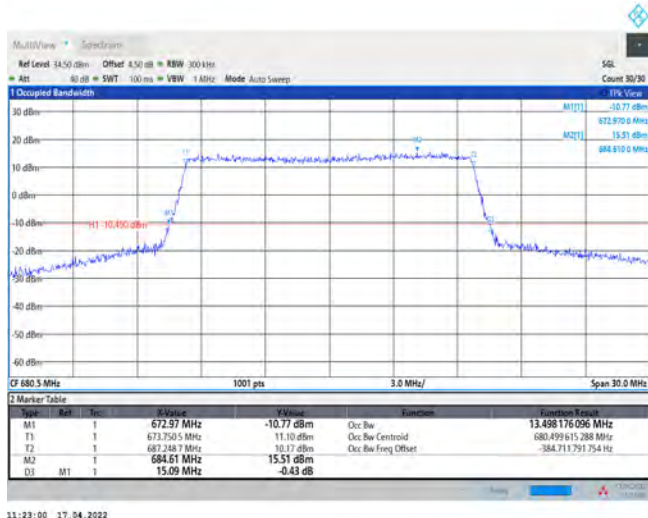


Band71-15MHz-QPSK-133197-75RB#0



11:22:42 17.04.2022

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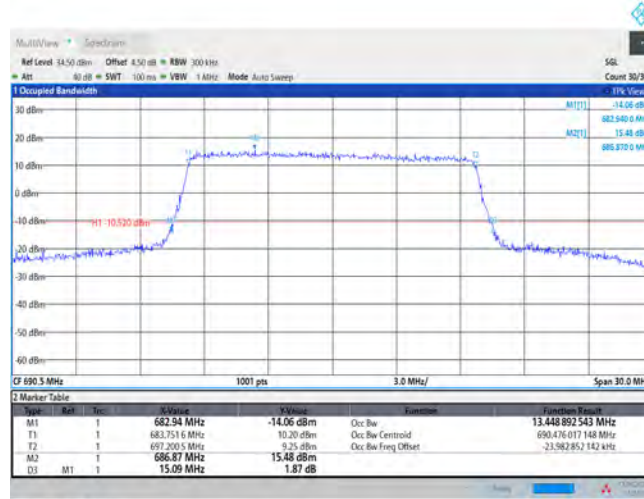


11:23:00 17.04.2022



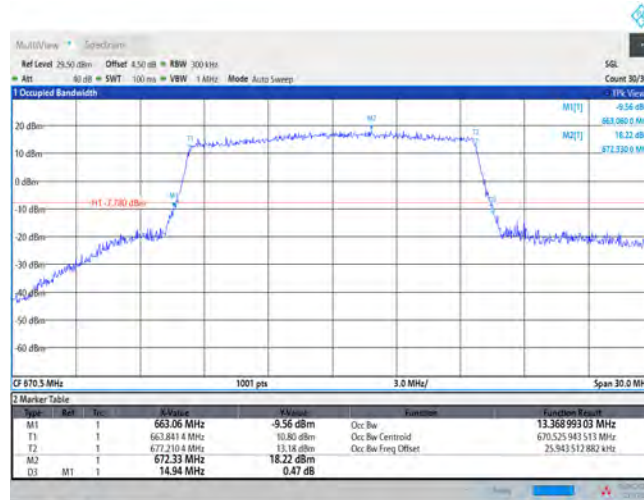
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Band71-15MHz-QPSK-133397-75RB#0



11:23:18 17.04.2022

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



22:37:34 16.04.2022



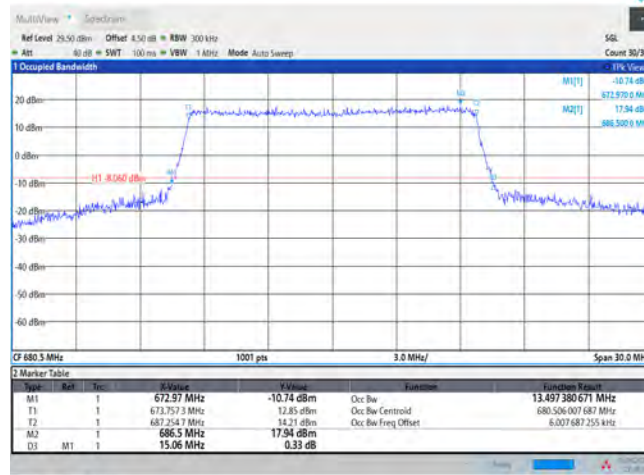
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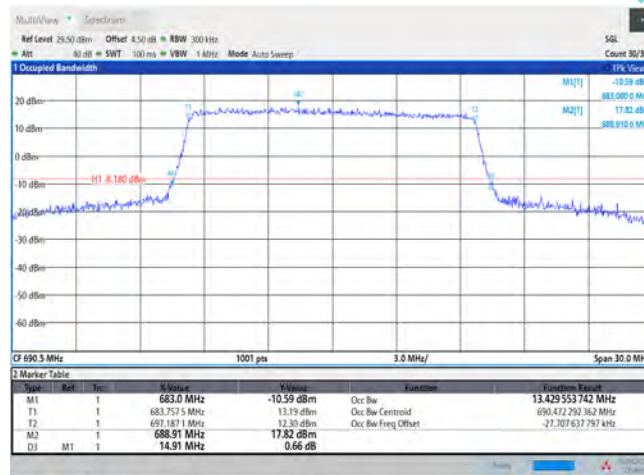
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Band71-15MHz-16QAM-133297-75RB#0



22:38:51 16.04.2022

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



22:40:08 16.04.2022



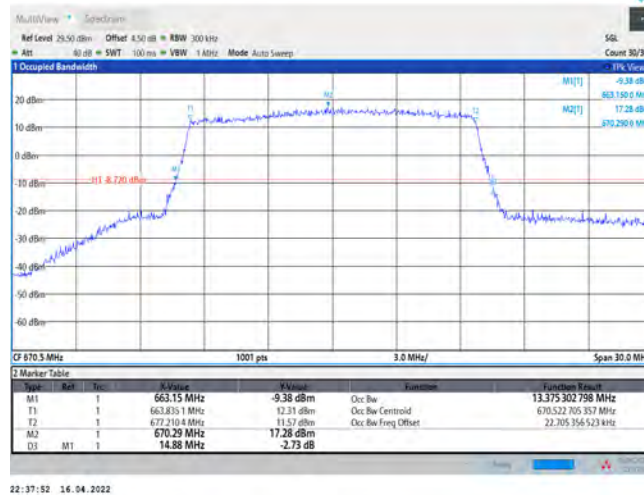
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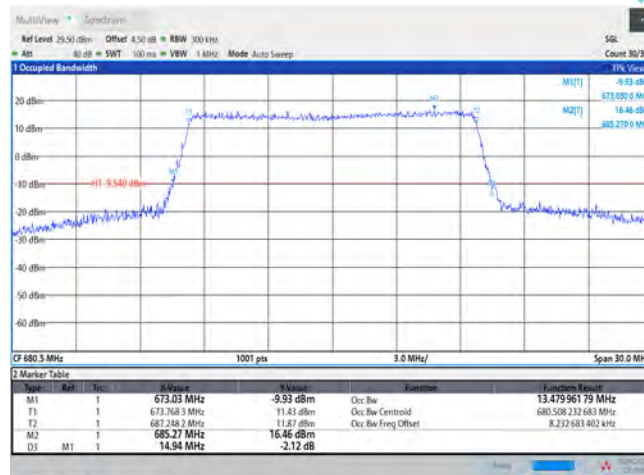


Band71-15MHz-64QAM-133197-75RB#0



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22:39:09 16.04.2022



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



22:40:26 16.04.2022

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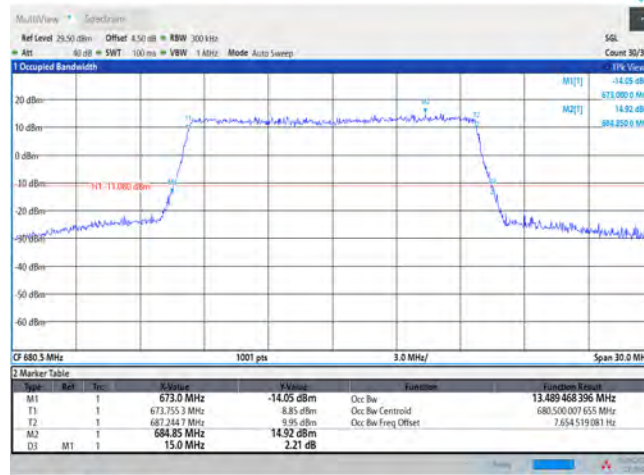


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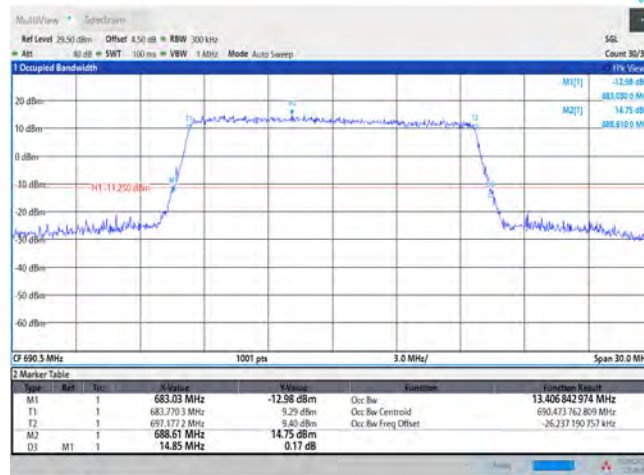
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22:39:27 16.04.2022

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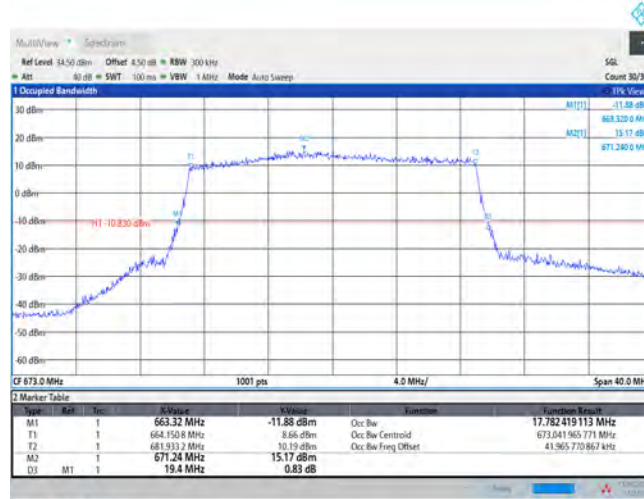


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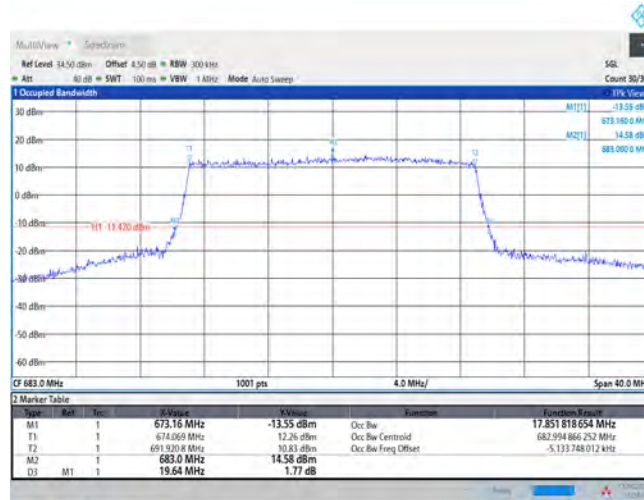
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Band71-20MHz-QPSK-133222-100RB#0



11:23:54 17.04.2022

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



11:24:12 17.04.2022



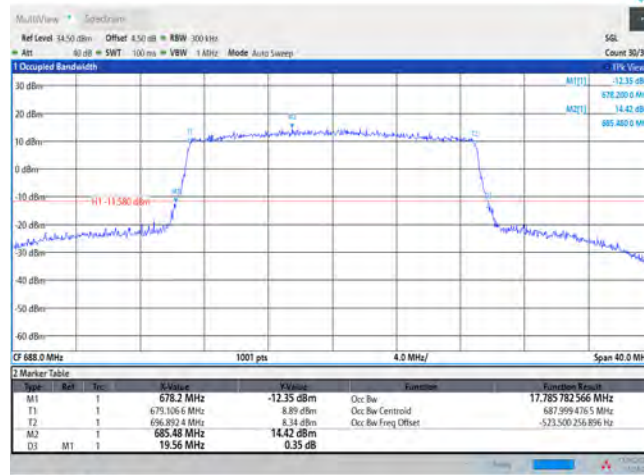
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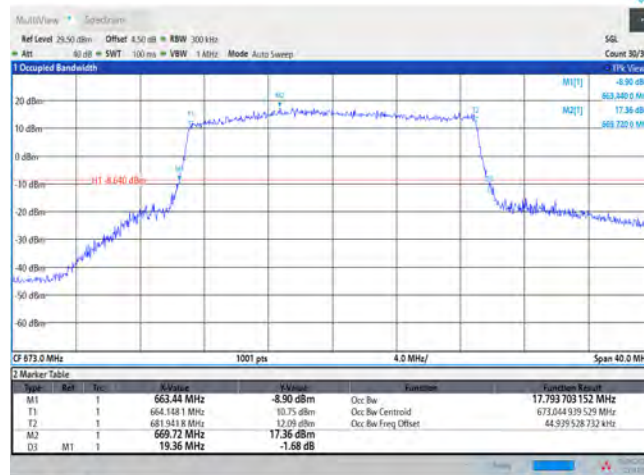


Band71-20MHz-QPSK-133372-100RB#0



11:24:30 17.04.2022

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



22:41:35 16.04.2022



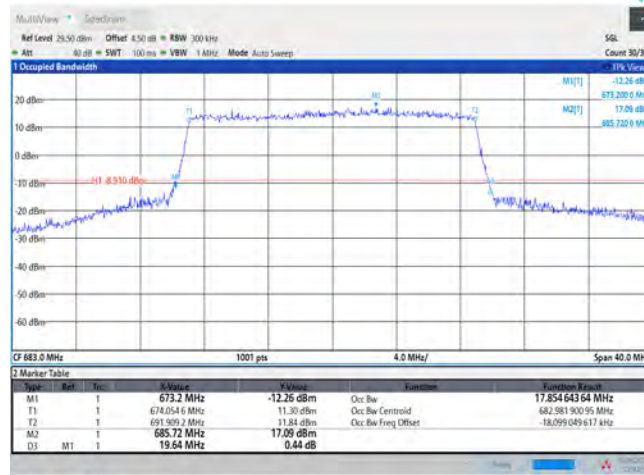
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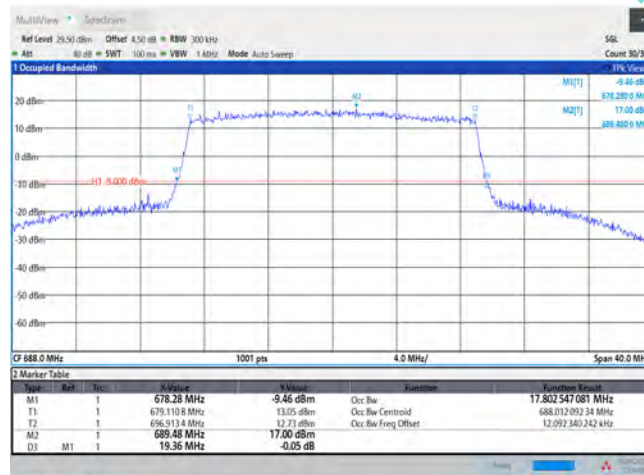


Band71-20MHz-16QAM-133322-100RB#0



22:42:52 16.04.2022

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



22:44:08 16.04.2022

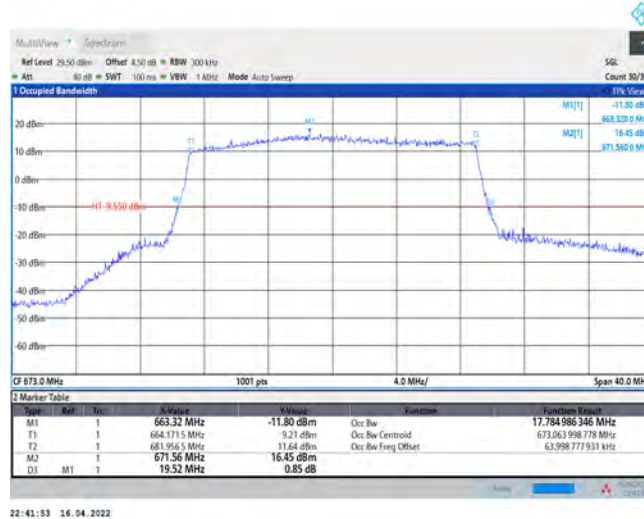


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Band71-20MHz-64QAM-133222-100RB#0



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22:43:10 16.04.2022

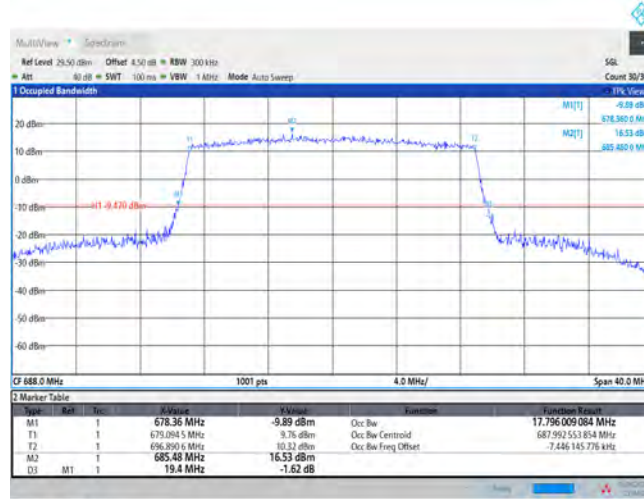


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Band71-20MHz-64QAM-133372-100RB#0



22:44:27 16.04.2022

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



22:42:11 16.04.2022



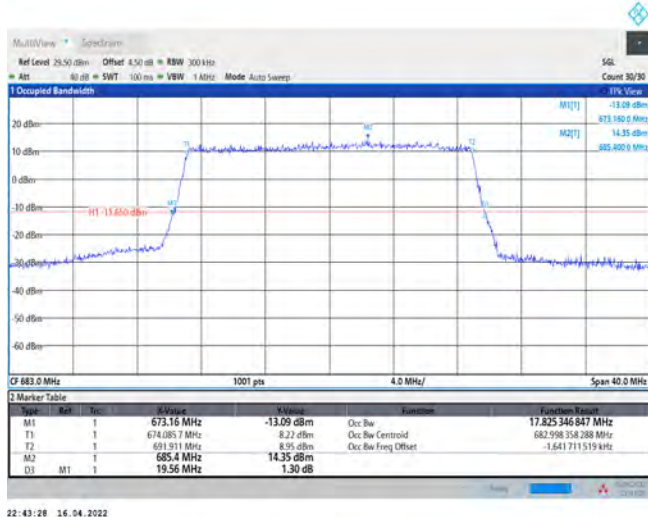
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Band71-20MHz-256QAM-133322-100RB#0



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



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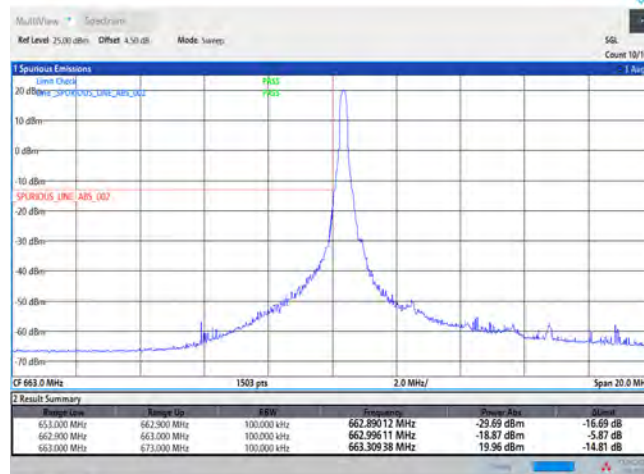
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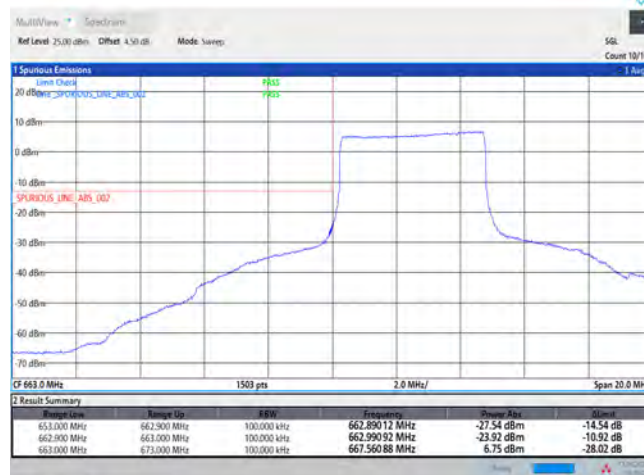
## Band Edge

## Test Graphs

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



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

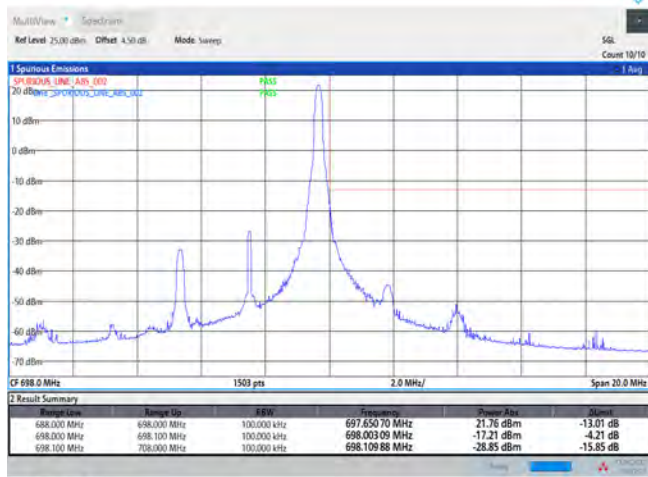


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Band71-5MHz-QPSK-133447-1RB#24



18:17:14 17.04.2022

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

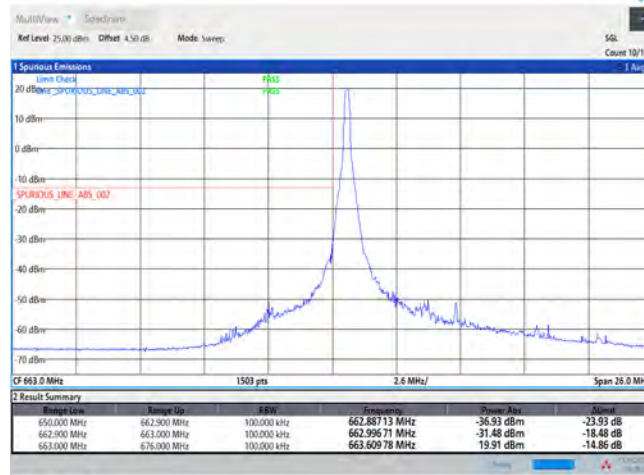


18:17:44 17.04.2022



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



18:18:31 17.04.2022

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



18:19:00 17.04.2022



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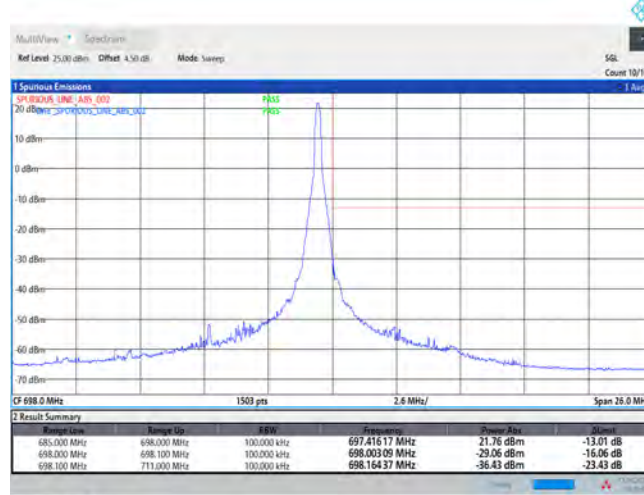
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Band71-10MHz-QPSK-133422-1RB#49



18:19:48 17.04.2022

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



18:20:17 17.04.2022

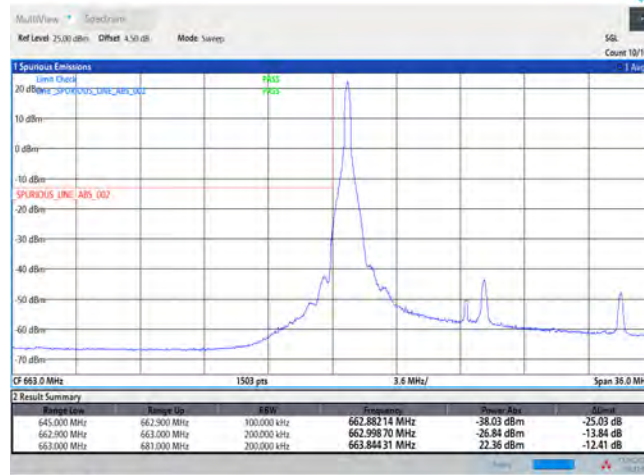


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Band71-15MHz-QPSK-133197-1RB#0



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



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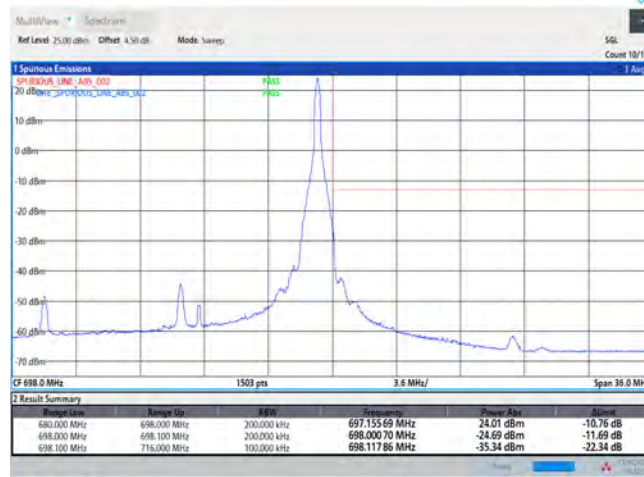


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Band71-15MHz-QPSK-133397-1RB#74



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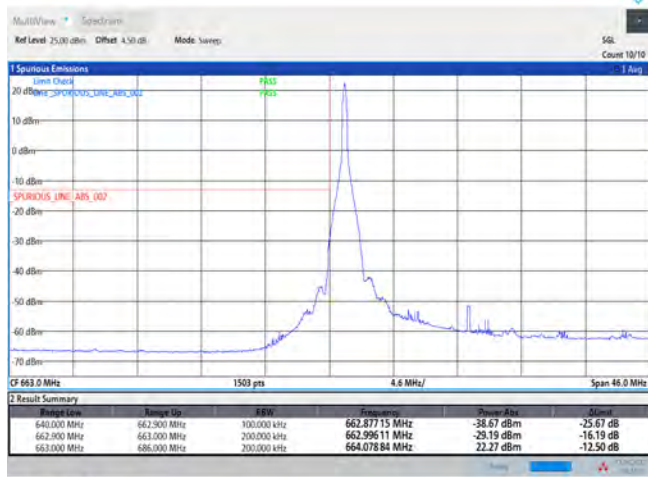


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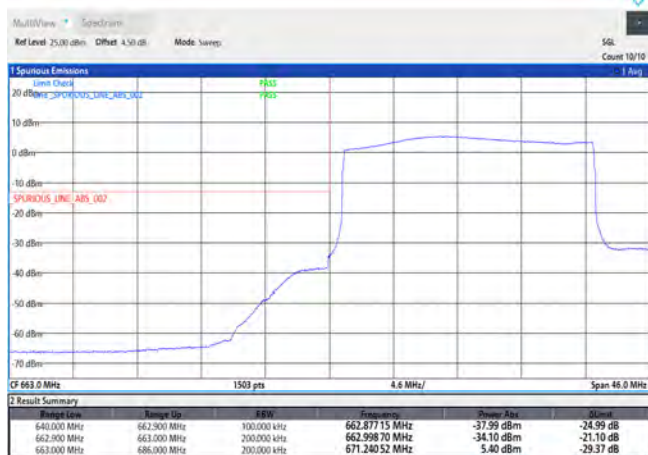
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18:23:56 17.04.2022

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



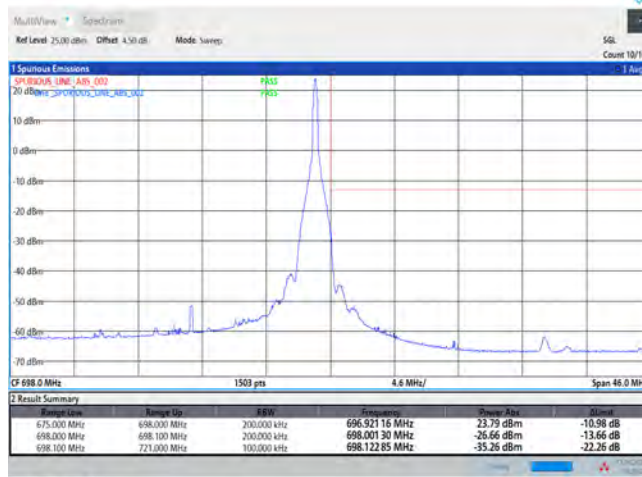
18:24:31 17.04.2022



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



18:25:24 17.04.2022

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



18:25:59 17.04.2022



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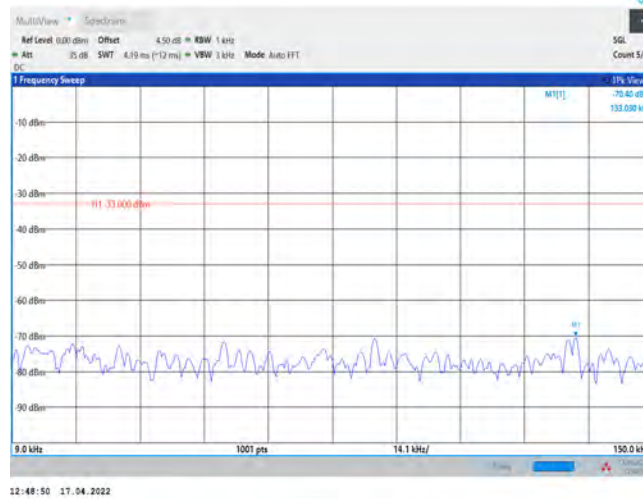
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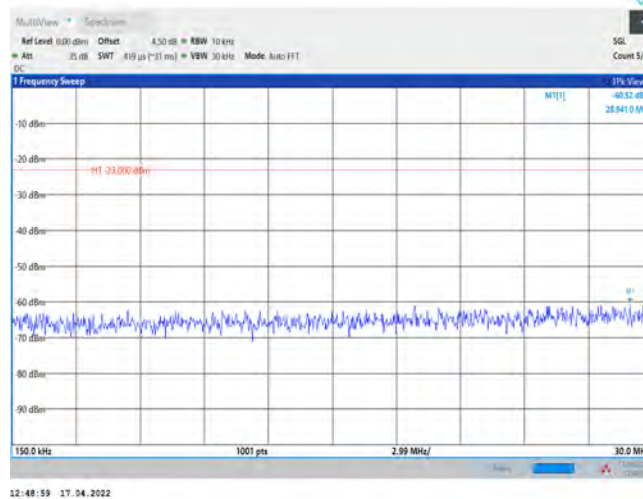
## Conducted Spurious Emission

### Test Graphs

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



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

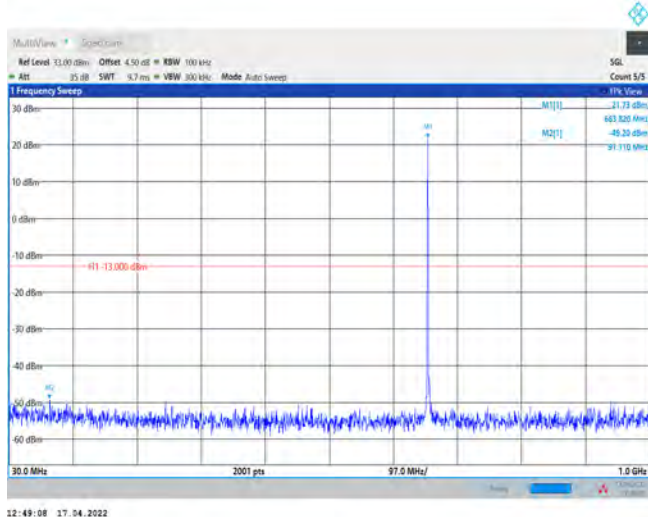


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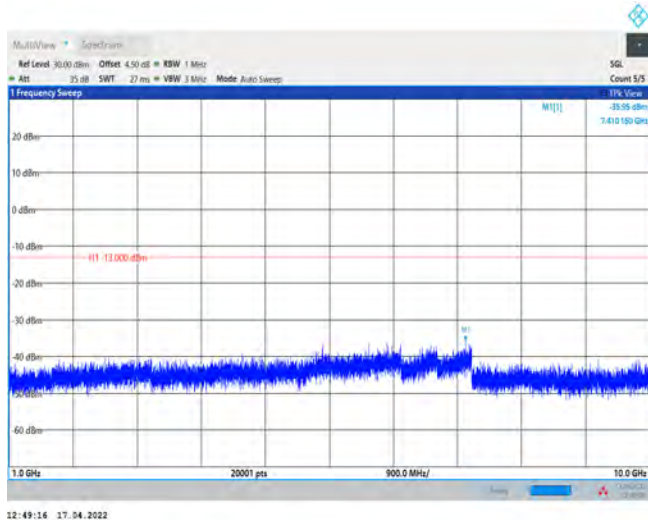
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



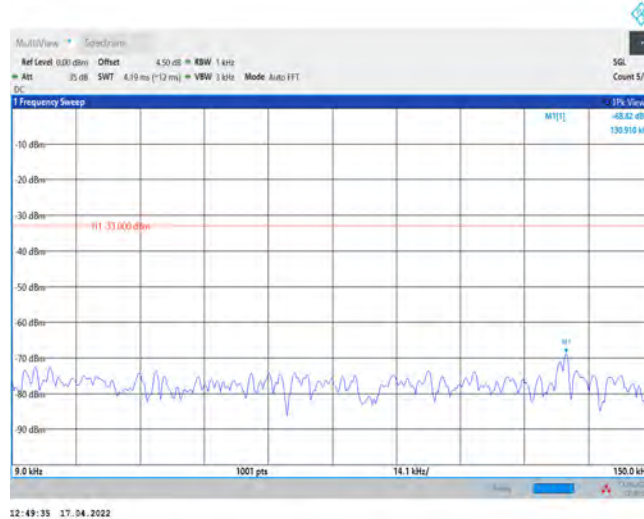
Band71-20MHz-QPSK-133222-1RB#0-Range4:1000~10000MHz



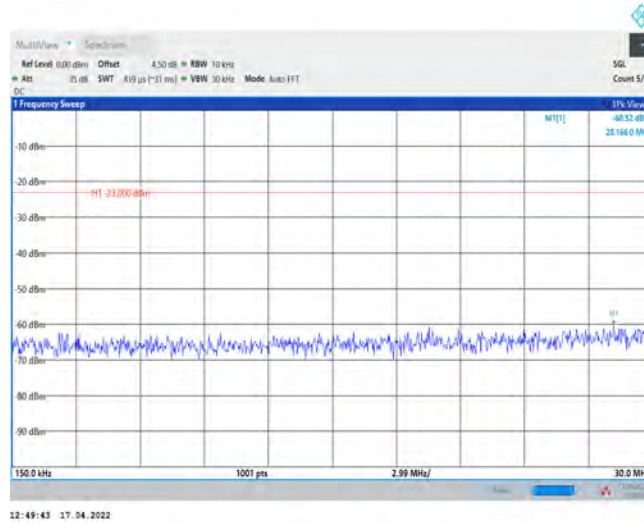
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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



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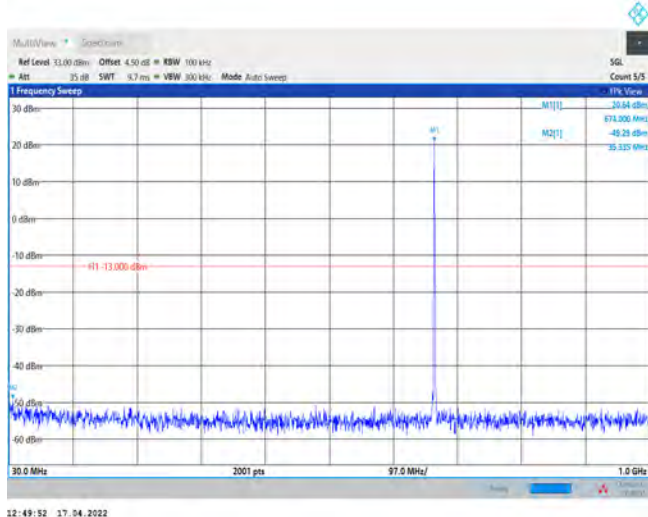
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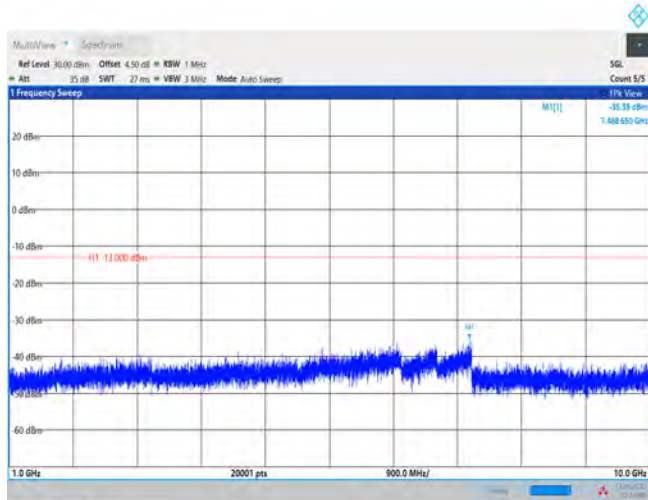


Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



12:49:52 17.04.2022

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



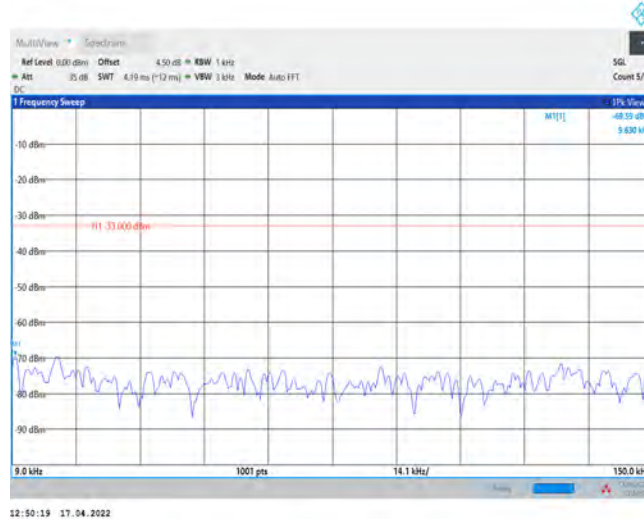
12:50:01 17.04.2022



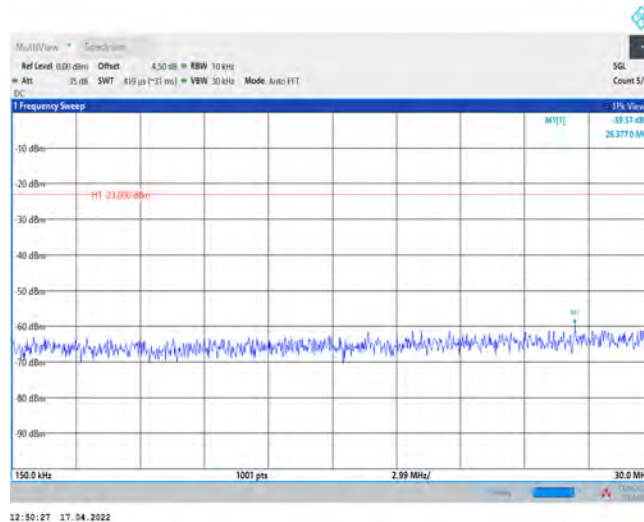
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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



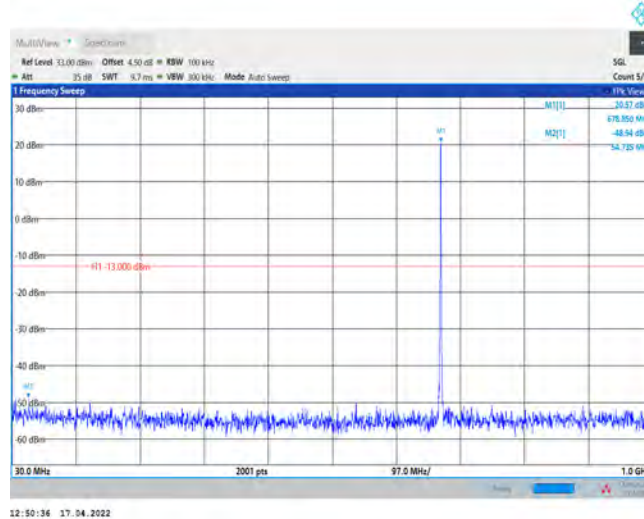
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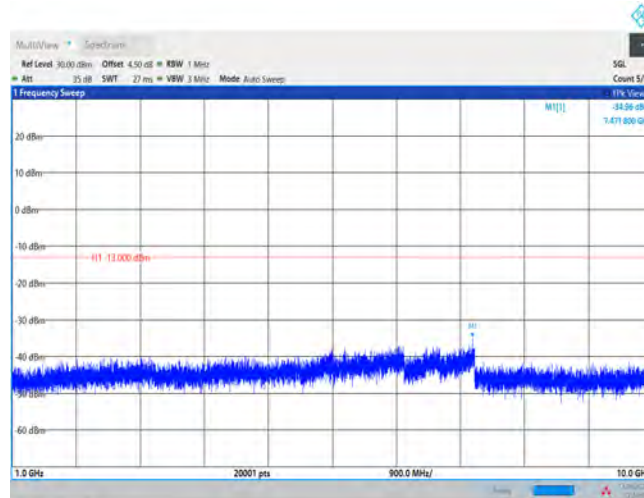
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



12:50:36 17.04.2022

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



12:50:45 17.04.2022



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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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**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

The End



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