

Report No.: SEWA2208000034RG01

Rev.: 01

Page: 1 of 53

# Appendix B.14

## 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	23.31	22.82	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.40	22.91	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.31	22.82	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.48	21.99	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.35	22.86	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.29	22.8	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.19	22.7	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.29	21.8	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.25	22.76	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.25	22.76	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.16	22.67	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.24	21.75	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.65	22.16	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.64	22.15	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.52	22.03	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.49	21	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.59	22.1	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.64	22.15	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.44	21.95	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.34	20.85	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.54	22.05	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.43	21.94	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.51	22.02	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.25	20.76	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.66	21.17	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.58	21.09	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.55	21.06	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	20.48	19.99	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.50	21.01	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.48	20.99	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.40	20.91	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.35	19.86	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.49	21	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.42	20.93	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.36	20.87	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	20.26	19.77	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.42	22.93	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.34	22.85	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.30	22.81	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.41	21.92	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.37	22.88	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.28	22.79	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.26	22.77	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.31	21.82	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.30	22.81	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.28	22.79	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.11	22.62	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.19	21.7	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.73	22.24	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.57	22.08	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.56	22.07	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.43	20.94	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.70	22.21	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.52	22.03	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.58	22.09	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.33	20.84	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.48	21.99	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.52	22.03	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.34	21.85	34.77	PASS



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Band71	10MHz	16QAM	133422	50RB#0	21.23	20.74	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.64	21.15	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.58	21.09	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.49	21	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.44	19.95	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.63	21.14	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.53	21.04	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.44	20.95	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	20.31	19.82	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.48	20.99	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.44	20.95	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.34	20.85	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	20.21	19.72	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.36	22.87	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.35	22.86	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.29	22.8	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.46	21.97	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.46	22.97	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.32	22.83	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.26	22.77	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.30	21.81	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.29	22.8	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.21	22.72	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.19	22.7	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.20	21.71	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.65	22.16	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.55	22.06	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.54	22.05	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.49	21	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.74	22.25	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.50	22.01	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.51	22.02	34.77	PASS



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Band71	15MHz	16QAM	133297	75RB#0	21.31	20.82	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.56	22.07	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.49	22	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.52	22.03	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.25	20.76	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.60	21.11	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.53	21.04	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.52	21.03	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	20.48	19.99	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.69	21.2	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.52	21.03	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21.39	20.9	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	20.36	19.87	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.41	20.92	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.41	20.92	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.35	20.86	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.28	19.79	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.35	22.86	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.44	22.95	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.20	22.71	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.41	21.92	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.43	22.94	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.23	22.74	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.20	22.71	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.27	21.78	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.40	22.91	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.27	22.78	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.15	22.66	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.26	21.77	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.65	22.16	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.66	22.17	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.42	21.93	34.77	PASS



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Band71	20MHz	16QAM	133222	100RB#0	21.41	20.92	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.69	22.2	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.54	22.05	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.45	21.96	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.27	20.78	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.59	22.1	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.62	22.13	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.39	21.9	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.25	20.76	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.61	21.12	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.65	21.16	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.42	20.93	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.46	19.97	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.61	21.12	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.48	20.99	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.37	20.88	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	20.29	19.8	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.55	21.06	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.43	20.94	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.31	20.82	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.27	19.78	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	5.64	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.60	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.64	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.42	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.50	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.52	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.66	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.72	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.72	13	PASS



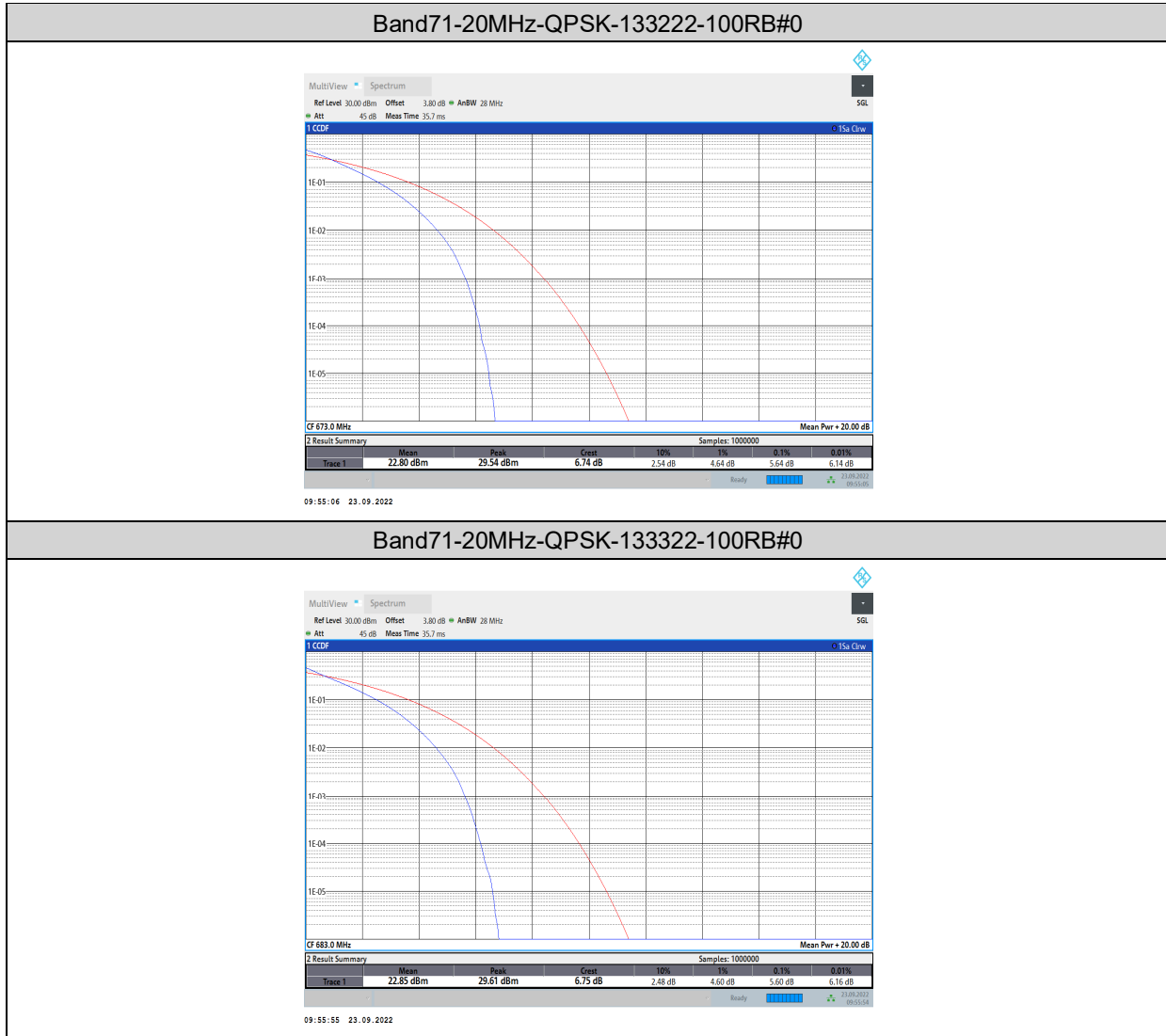
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Test Graphs



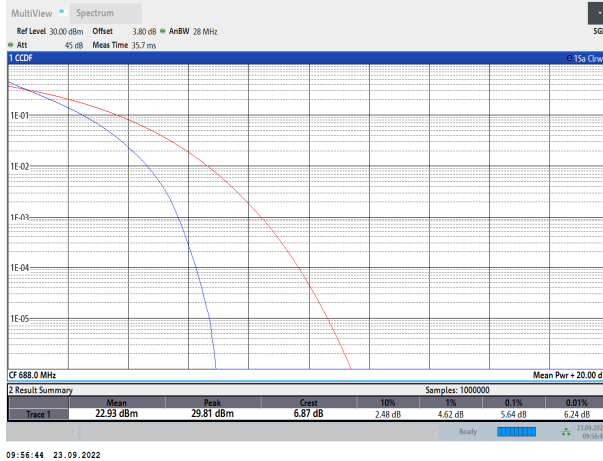
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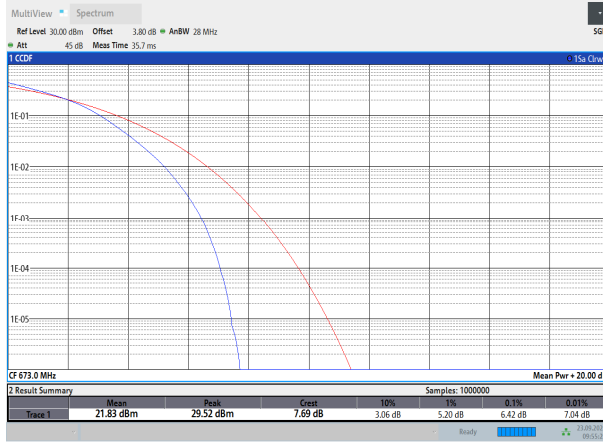


Band71-20MHz-QPSK-133372-100RB#0



09:56:44 23.09.2022

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



09:55:22 23.09.2022

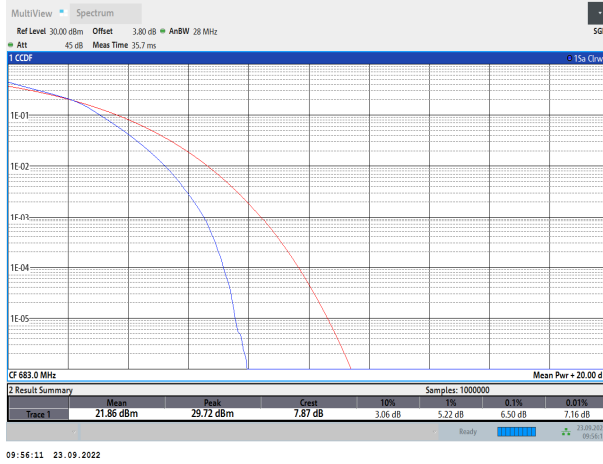


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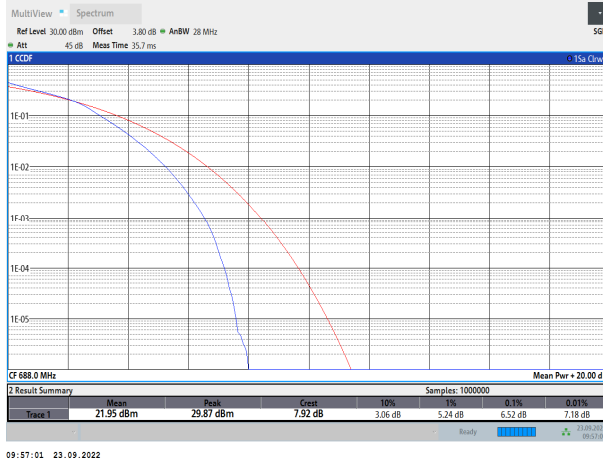
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Band71-20MHz-16QAM-133322-100RB#0



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

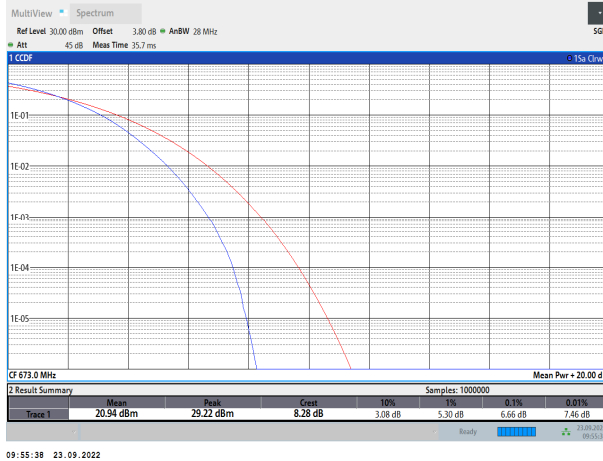


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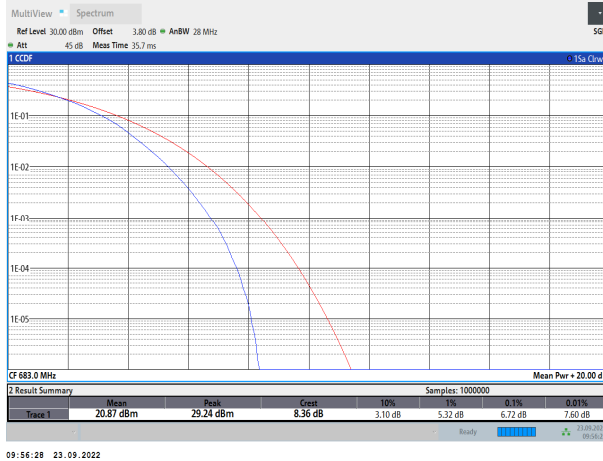
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Band71-20MHz-64QAM-133222-100RB#0



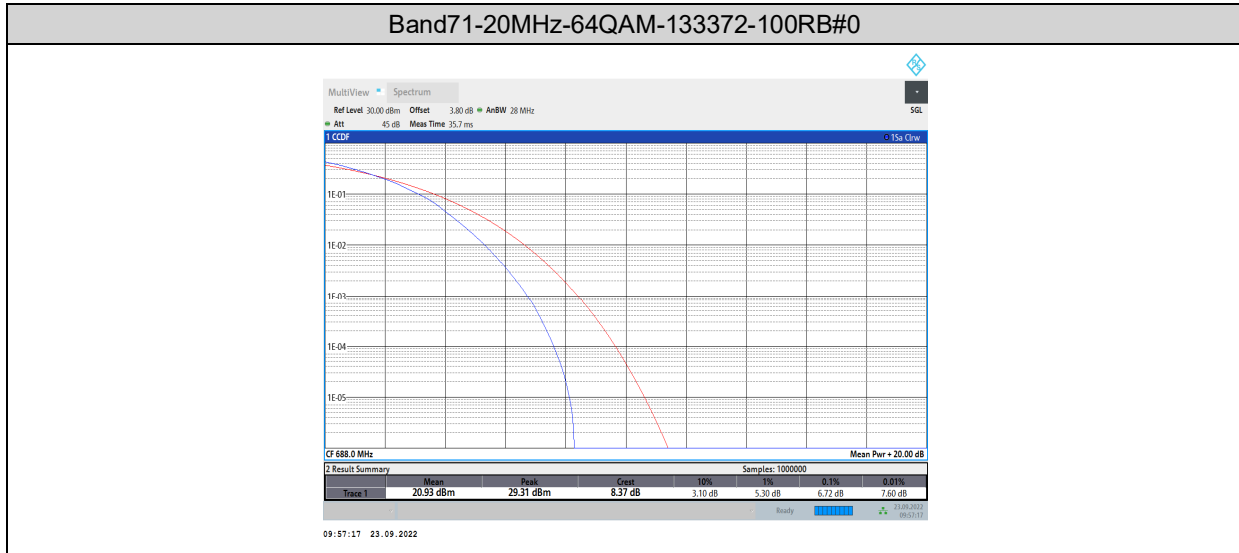
Band71-20MHz-64QAM-133322-100RB#0



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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



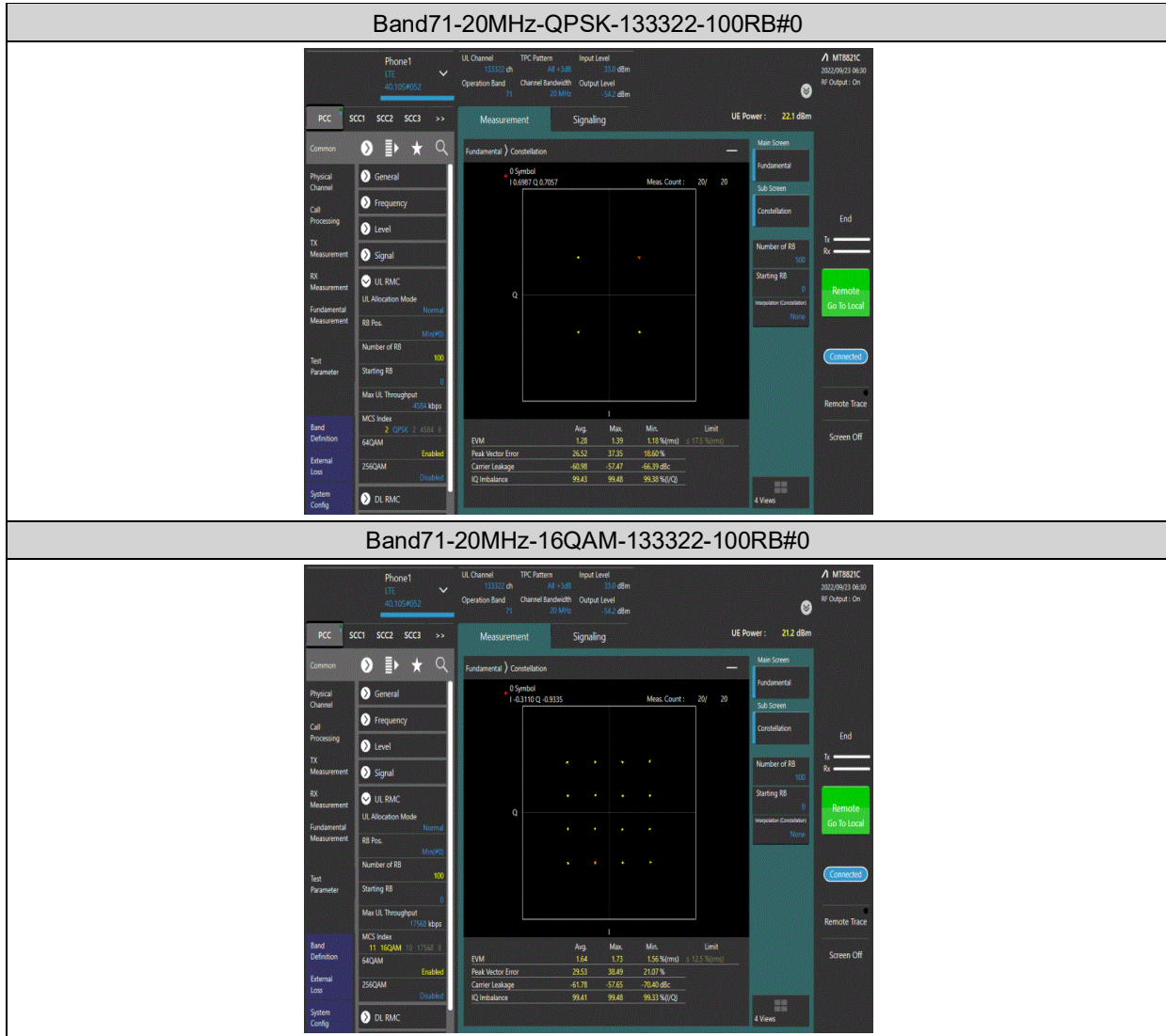
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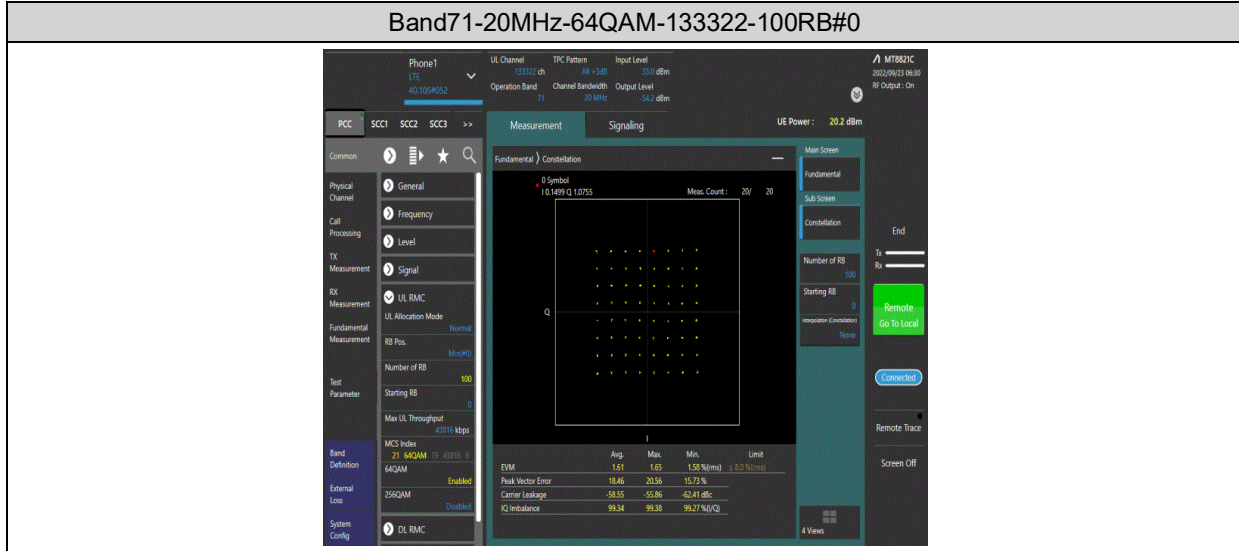
Test Graphs



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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	4.89	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.472	4.90	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.471	4.90	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.467	4.89	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.471	4.89	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.468	4.90	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.475	4.90	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.481	4.91	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.482	4.89	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.937	9.62	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.93	9.64	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.931	9.66	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.915	9.64	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.915	9.60	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.91	9.64	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.922	9.64	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.934	9.62	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.931	9.68	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.472	14.73	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.45	14.70	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.47	14.79	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.443	14.79	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.436	14.76	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.449	14.73	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.422	14.76	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.418	14.73	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.429	14.85	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.911	19.40	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.905	19.52	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.929	19.52	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.86	19.36	PASS



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Report No.: SEWA2208000034RG01

Rev.: 01

Page: 17 of 53

Band71	20MHz	16QAM	133322	100RB#0	17.86	19.40	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.893	19.44	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.89	19.48	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.851	19.28	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.866	19.36	PASS

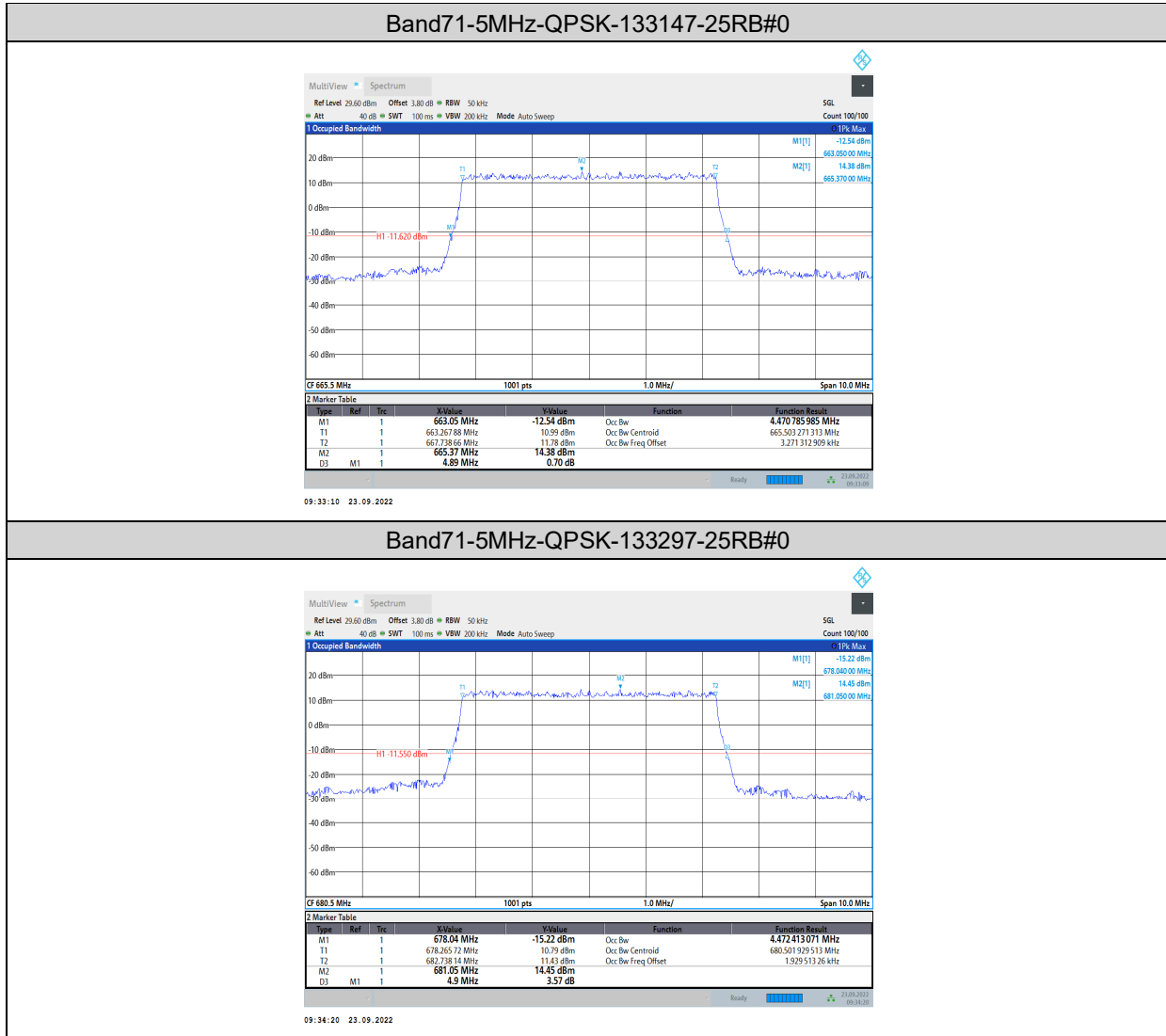


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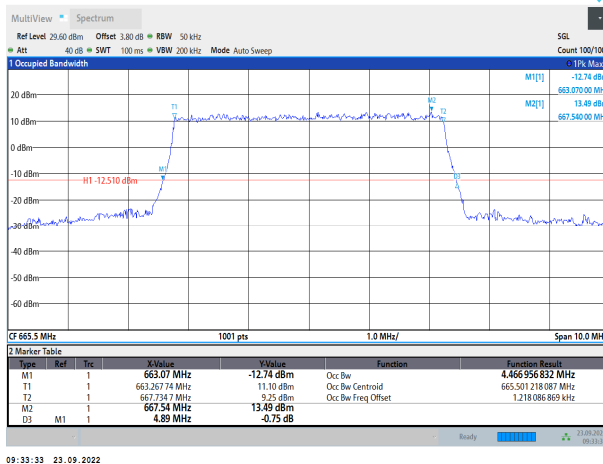
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Band71-5MHz-QPSK-133447-25RB#0



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

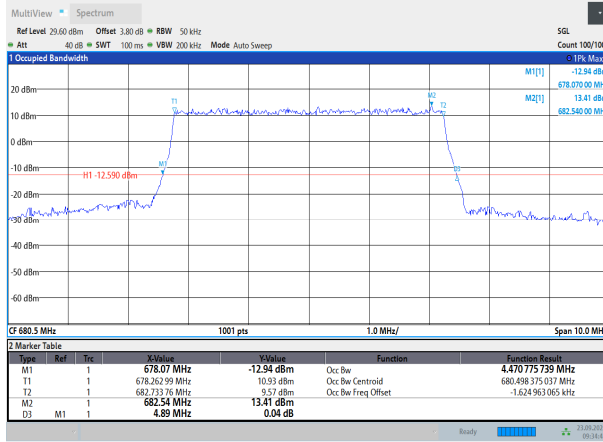


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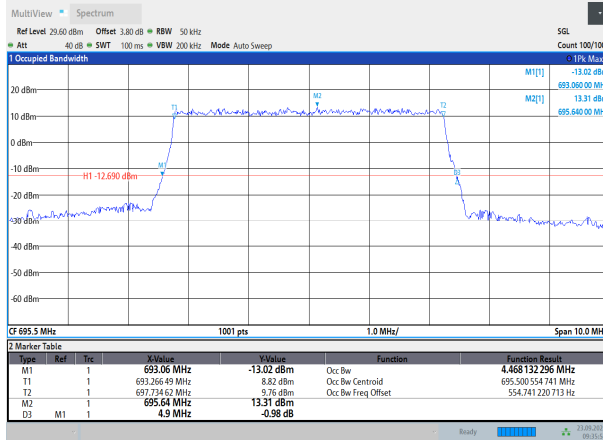
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Band71-5MHz-16QAM-133297-25RB#0



09:34:43 23.09.2022

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



09:35:53 23.09.2022

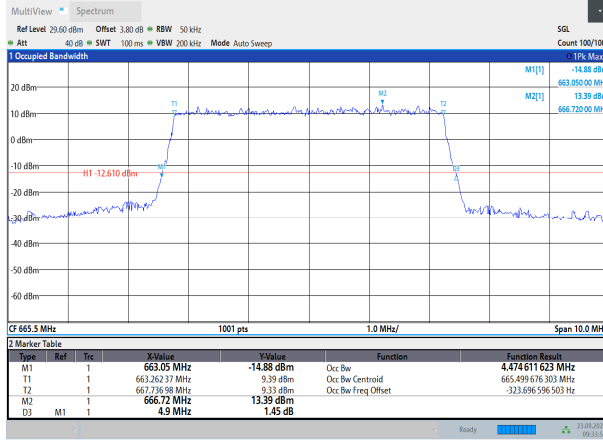


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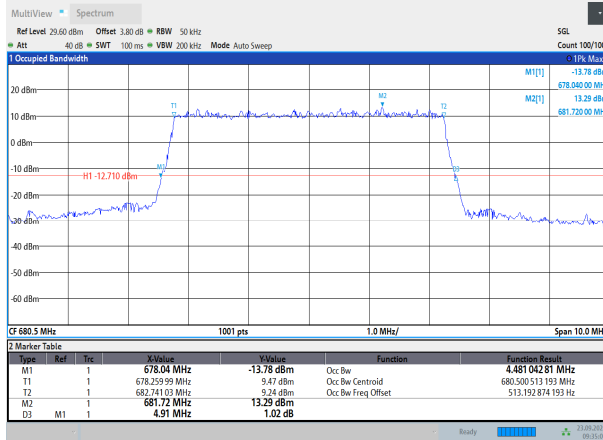
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Band71-5MHz-64QAM-133147-25RB#0



09:33:57 23.09.2022

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



09:35:06 23.09.2022

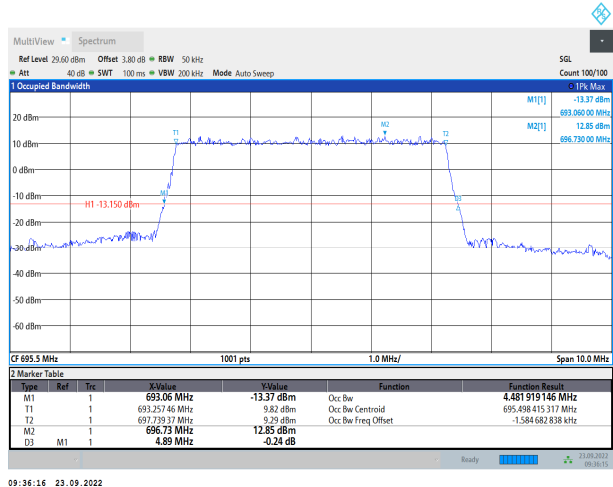


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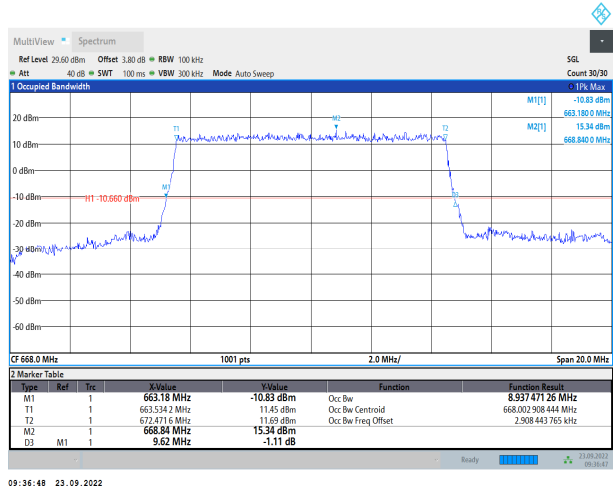
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**Band71-5MHz-64QAM-133447-25RB#0**



09:36:16 23.09.2022

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



09:36:48 23.09.2022

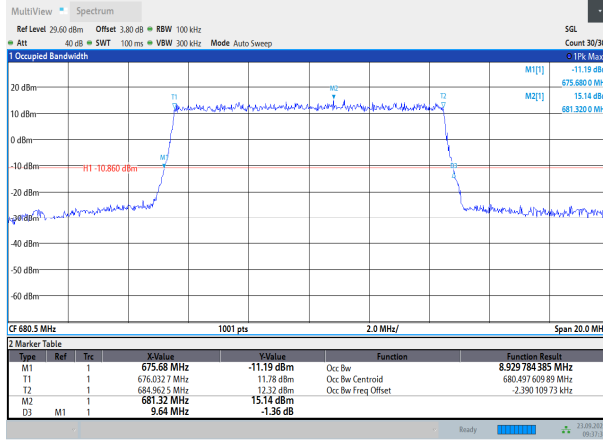


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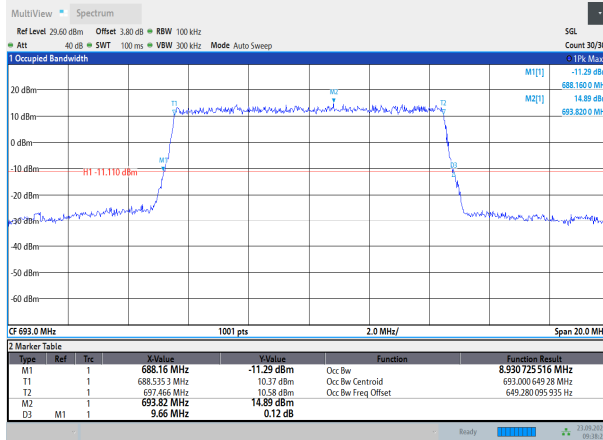
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Band71-10MHz-QPSK-133297-50RB#0



09:37:36 23.09.2022

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



09:38:25 23.09.2022



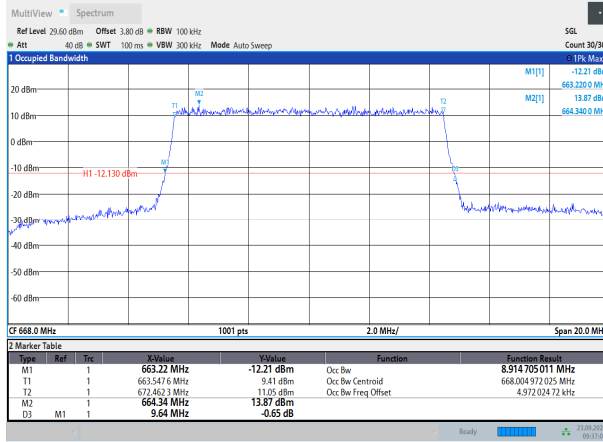
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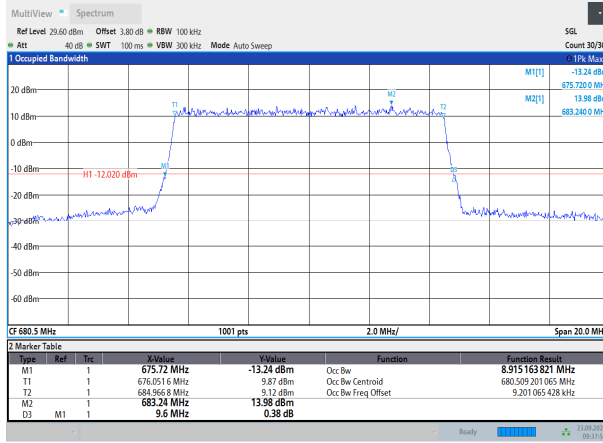


Band71-10MHz-16QAM-133172-50RB#0



09:37:04 23.09.2022

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



09:37:53 23.09.2022

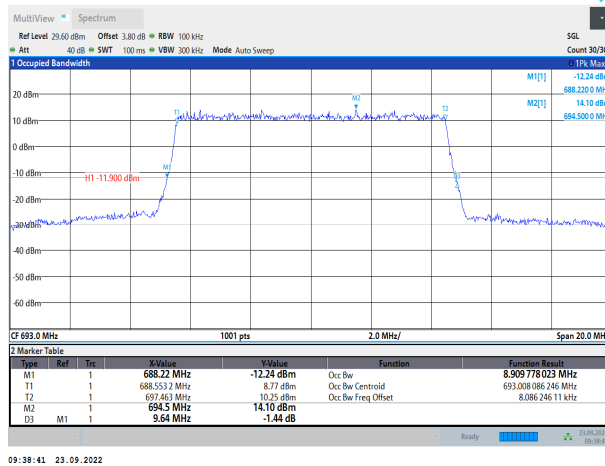


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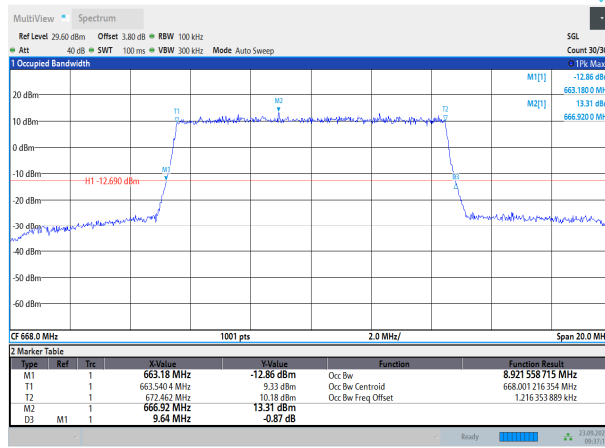
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Band71-10MHz-16QAM-133422-50RB#0



09:38:41 23.09.2022

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



09:37:20 23.09.2022

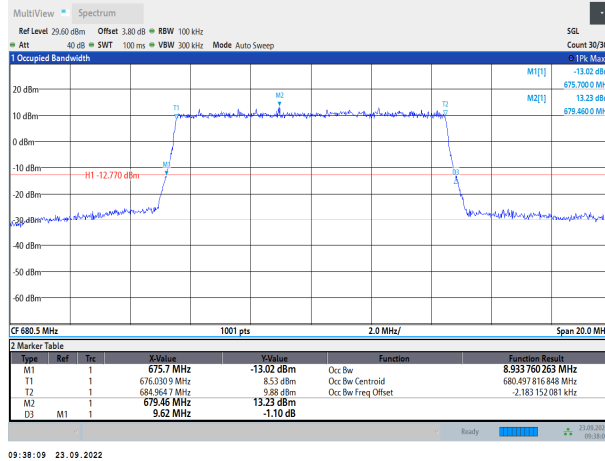


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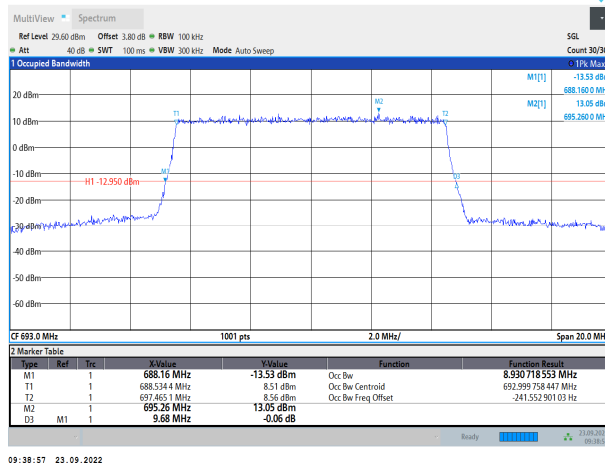
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Band71-15MHz-QPSK-133197-75RB#0



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

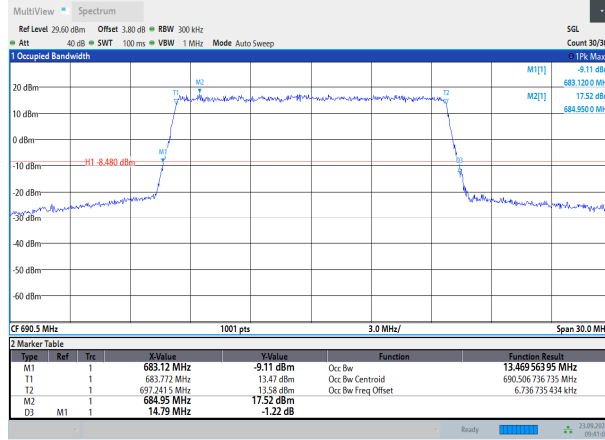


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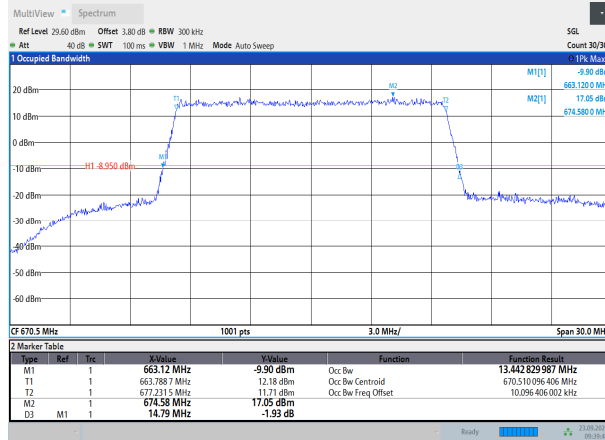
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Band71-15MHz-16QAM-133197-75RB#0



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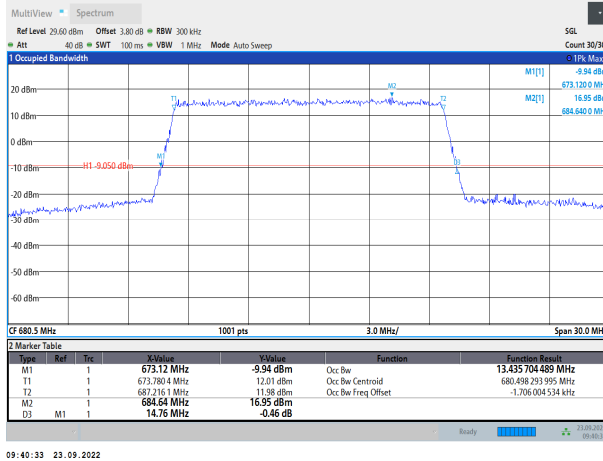


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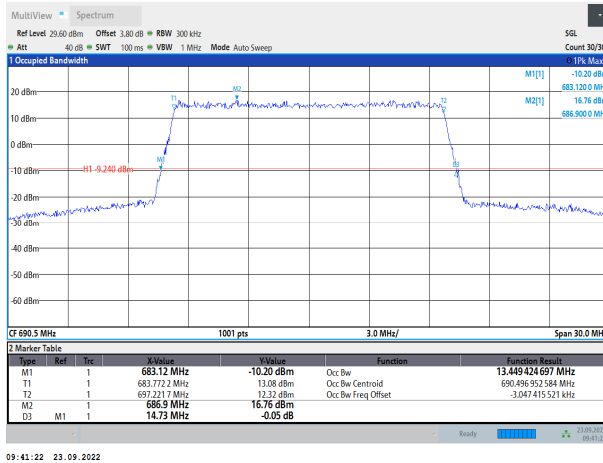
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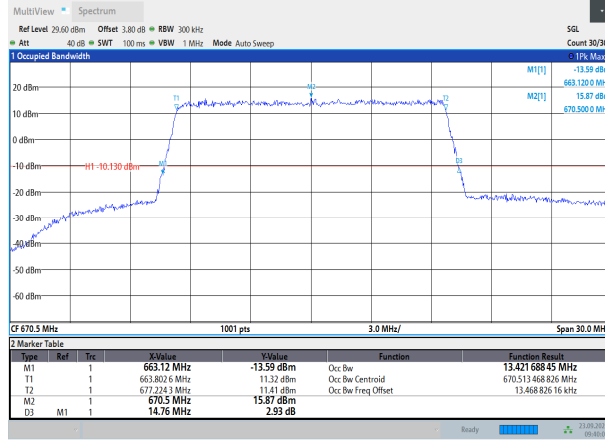
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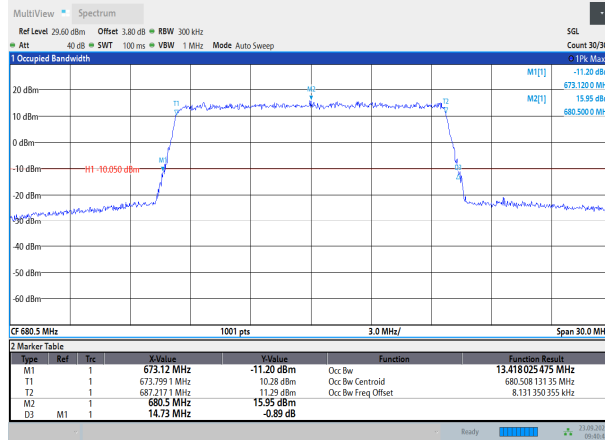


Band71-15MHz-64QAM-133197-75RB#0



09:40:01 23.09.2022

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09:40:49 23.09.2022

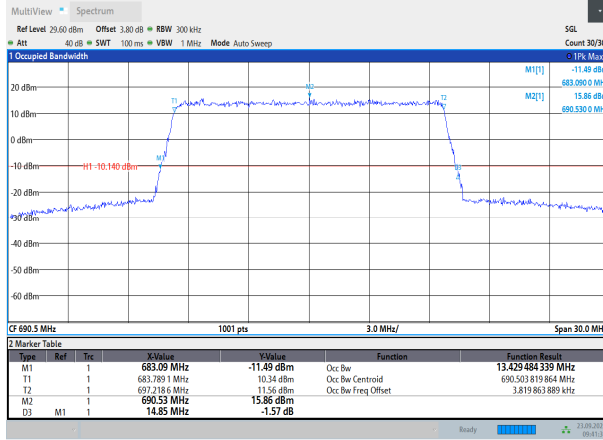


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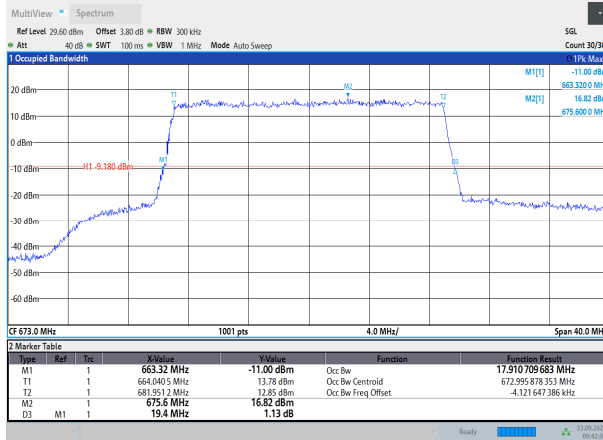
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Band71-15MHz-64QAM-133397-75RB#0



09:41:38 23.09.2022

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



09:42:07 23.09.2022

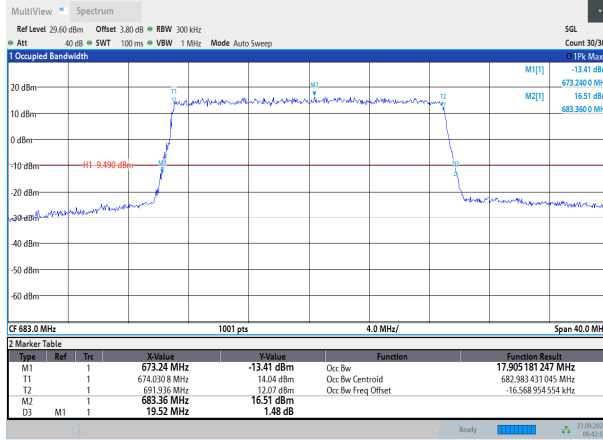


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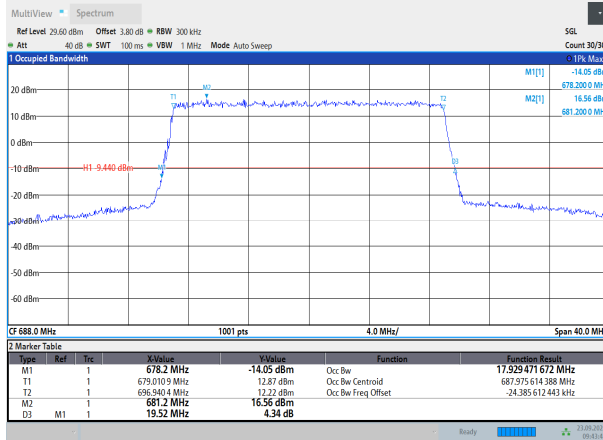
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Band71-20MHz-QPSK-133322-100RB#0



09:42:56 23.09.2022

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



09:43:44 23.09.2022

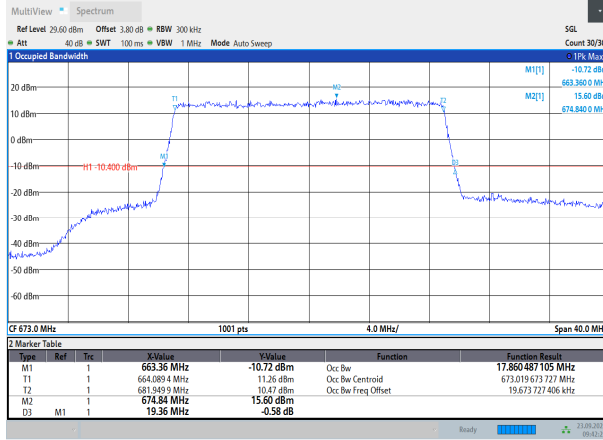


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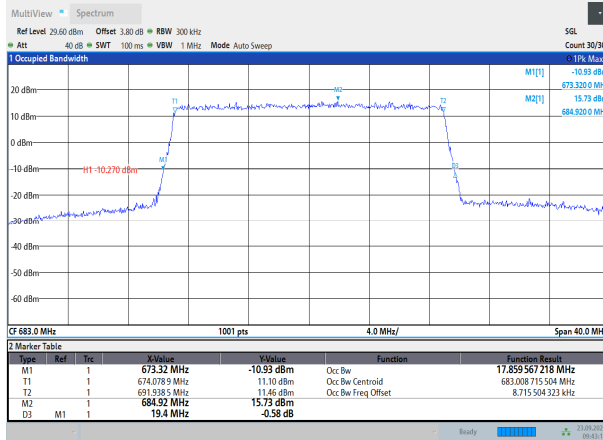
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Band71-20MHz-16QAM-133222-100RB#0



09:42:23 23.09.2022

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



09:43:12 23.09.2022

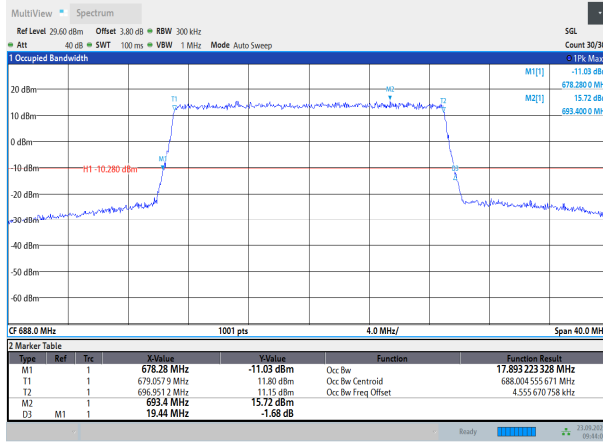


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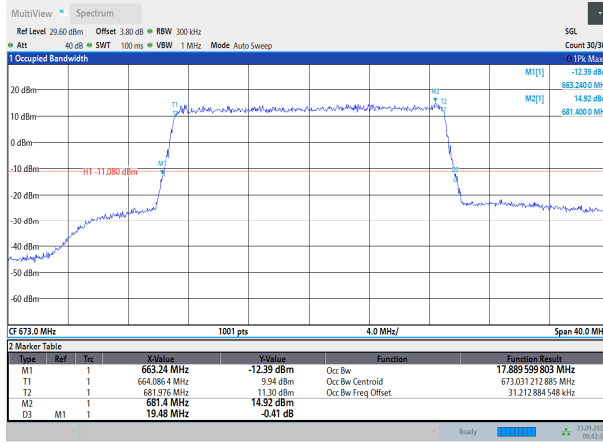
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Band71-20MHz-16QAM-133372-100RB#0



09:44:00 23.09.2022

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



09:42:39 23.09.2022

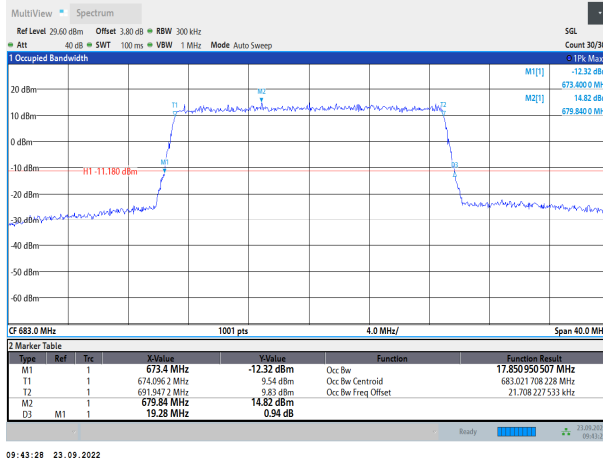


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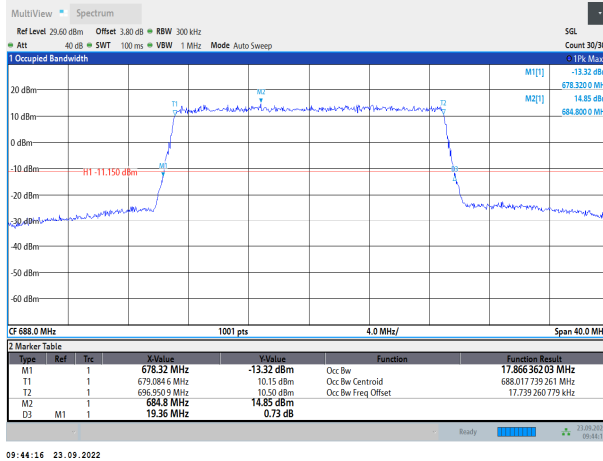
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Band71-20MHz-64QAM-133322-100RB#0



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



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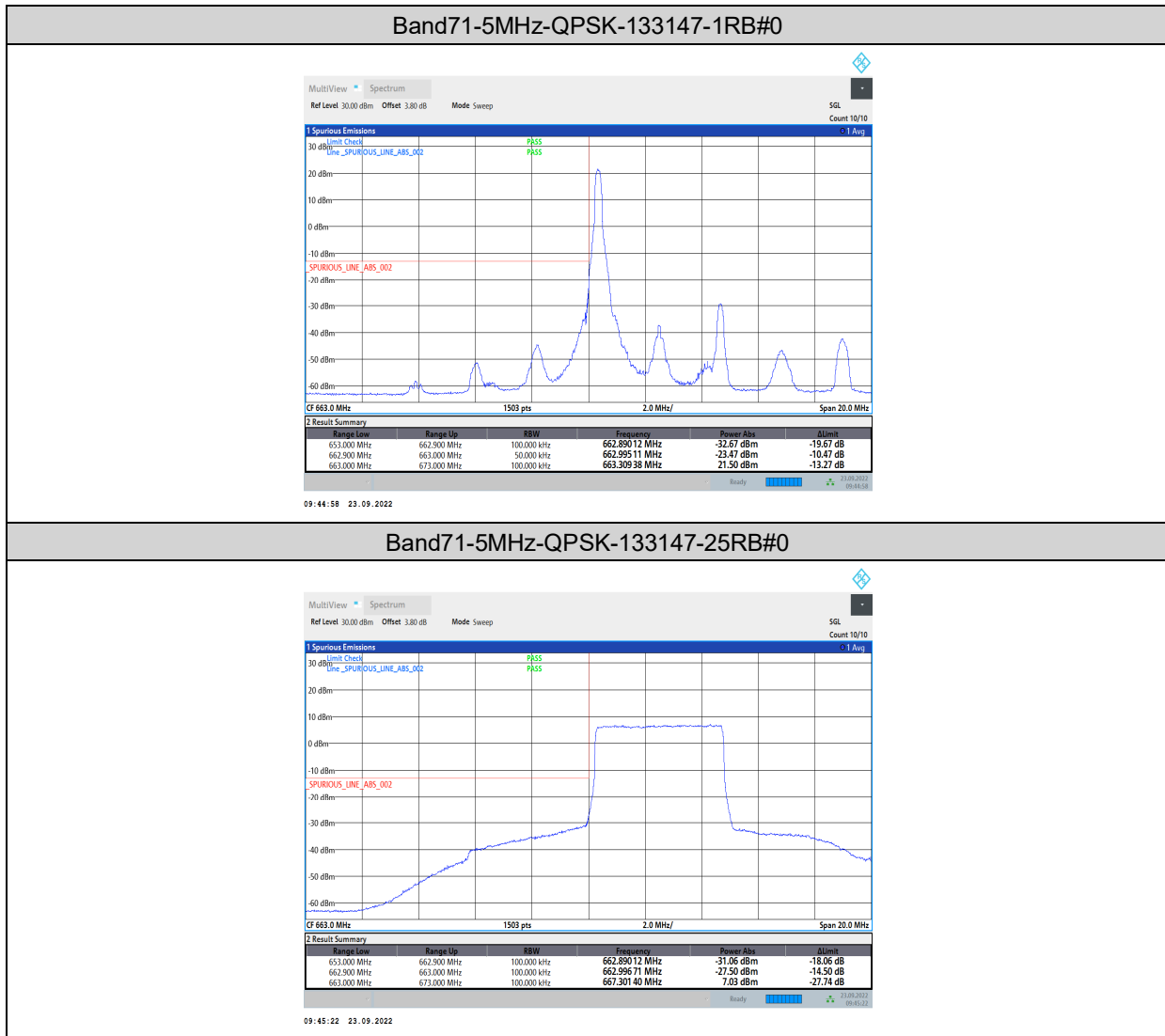
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## Band Edge

## Test Graphs

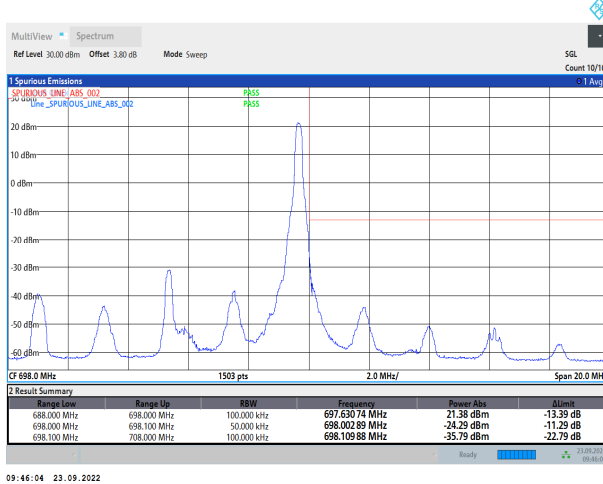


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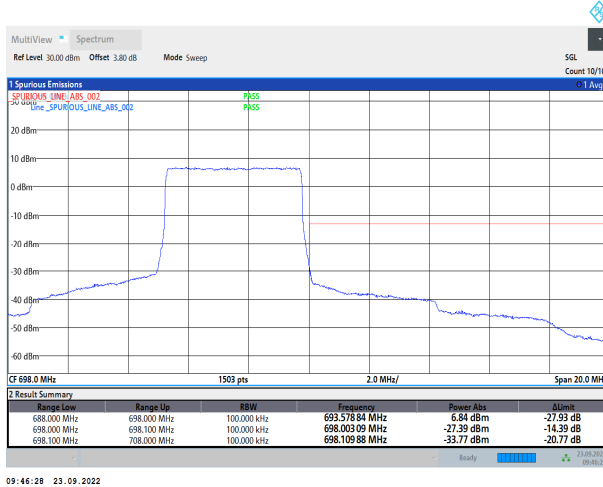
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Band71-5MHz-QPSK-133447-1RB#24



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

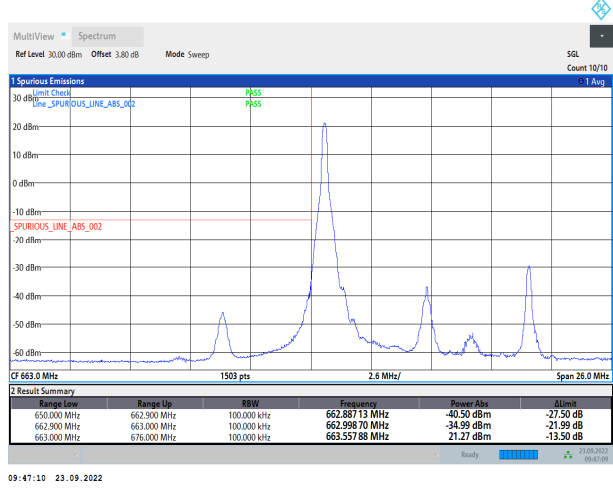


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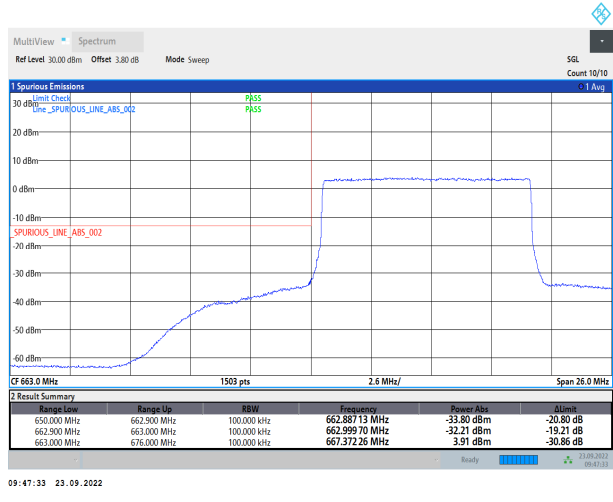
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Band71-10MHz-QPSK-133172-1RB#0



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

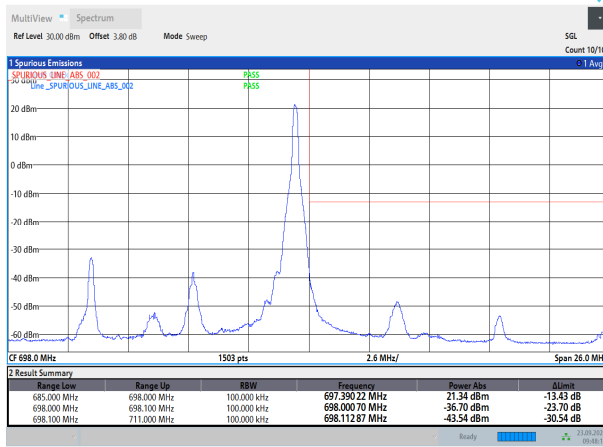


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Band71-10MHz-QPSK-133422-1RB#49



09:48:14 23.09.2022

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



09:48:38 23.09.2022

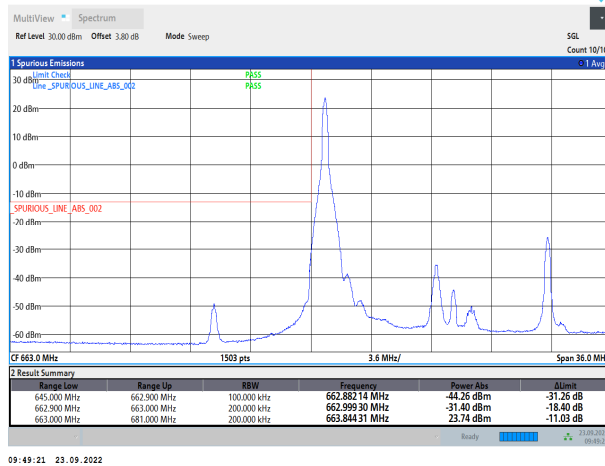


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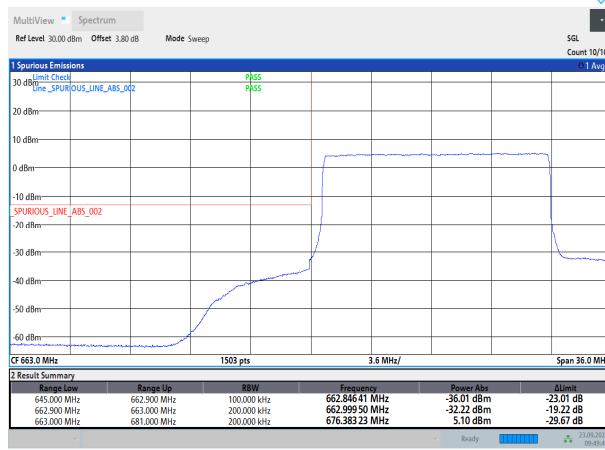
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Band71-15MHz-QPSK-133197-1RB#0



09:49:21 23.09.2022

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



09:49:48 23.09.2022

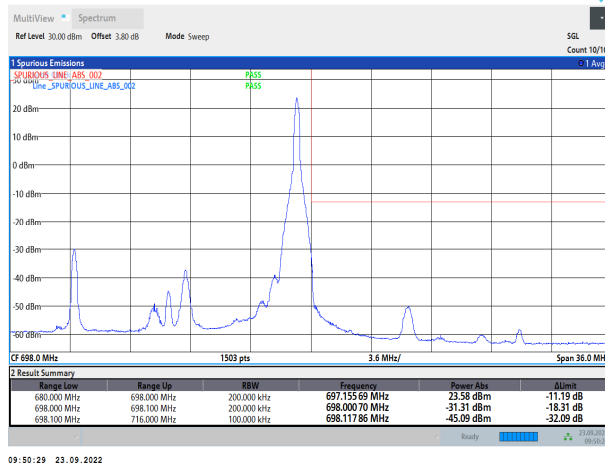


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Band71-15MHz-QPSK-133397-1RB#74



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



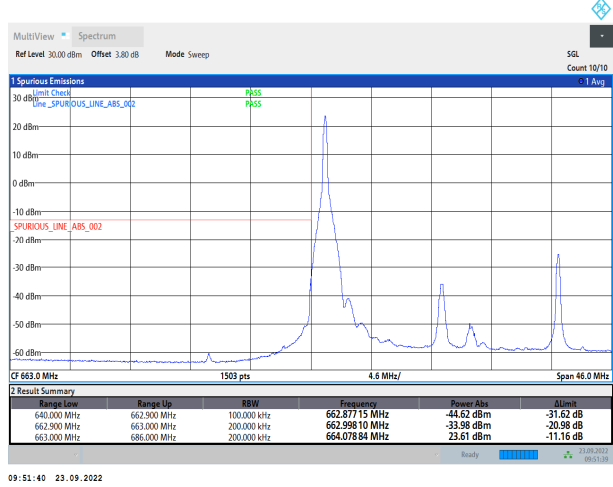
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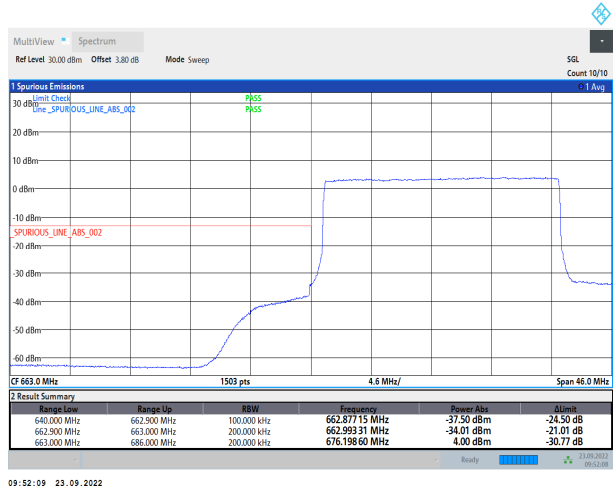
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Band71-20MHz-QPSK-133222-1RB#0



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

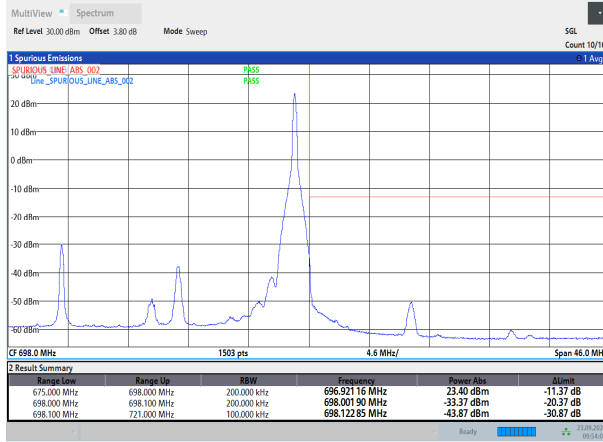


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Band71-20MHz-QPSK-133372-1RB#99



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



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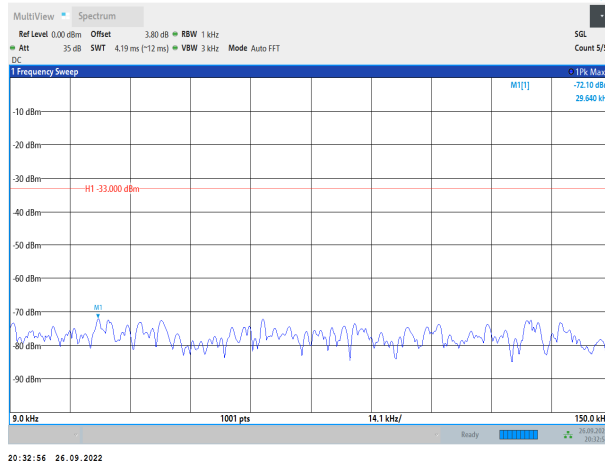
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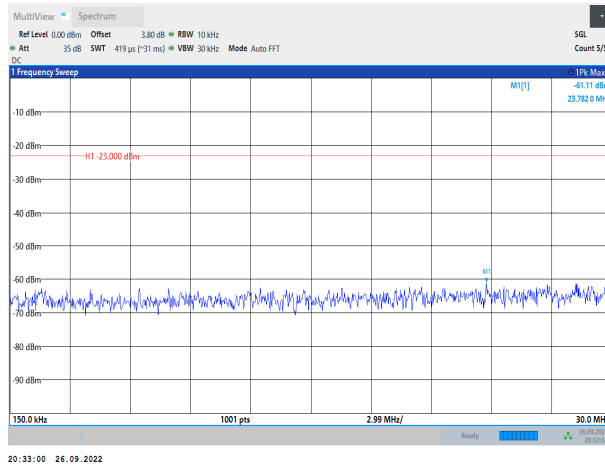
## Conducted Spurious Emission

### Test Graphs

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



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

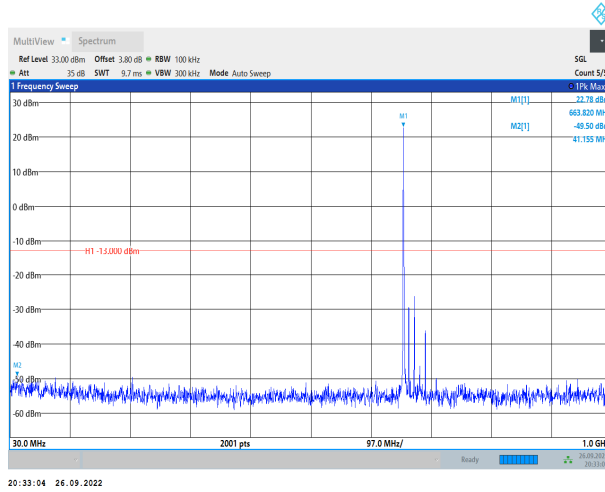


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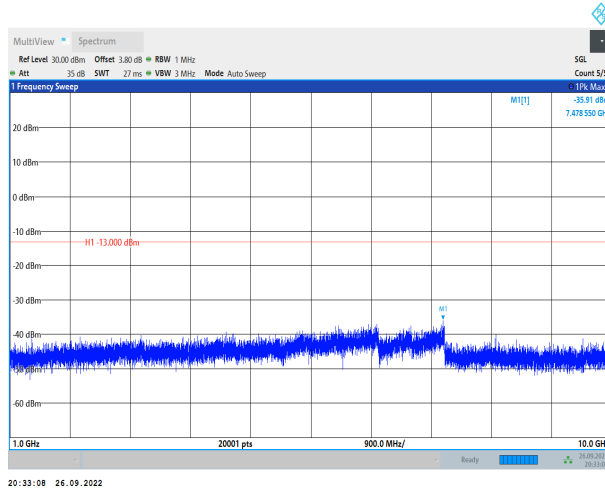
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



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

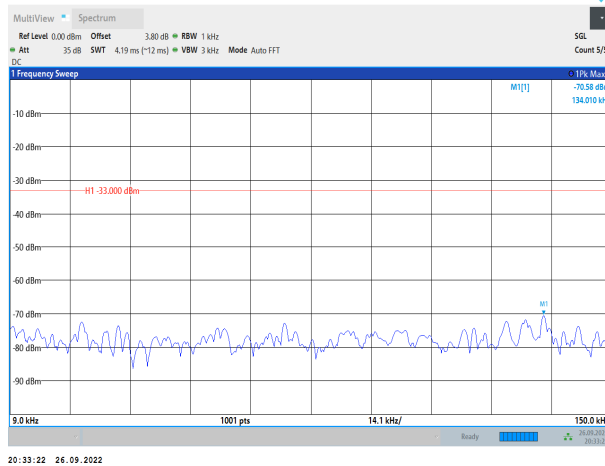


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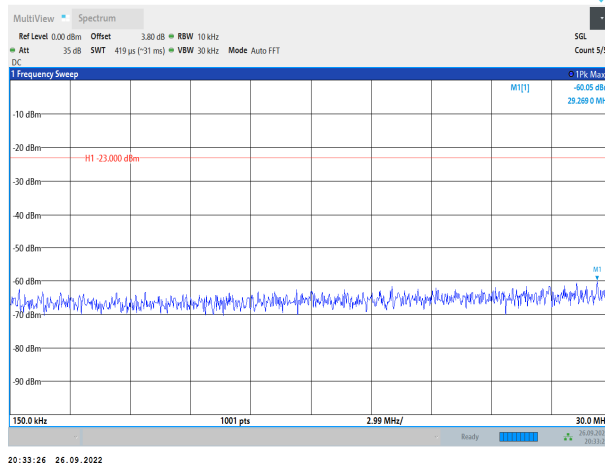
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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

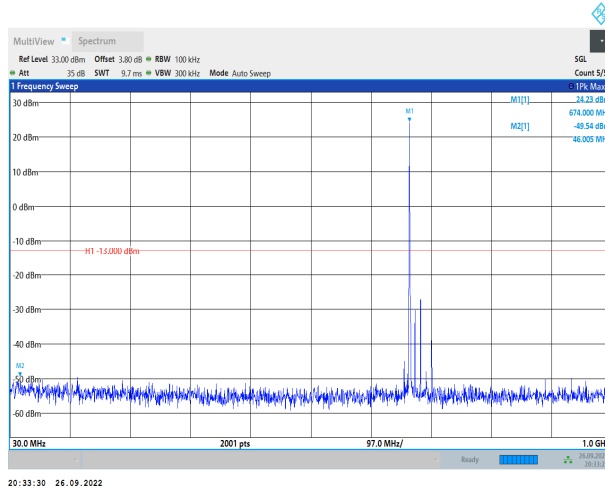


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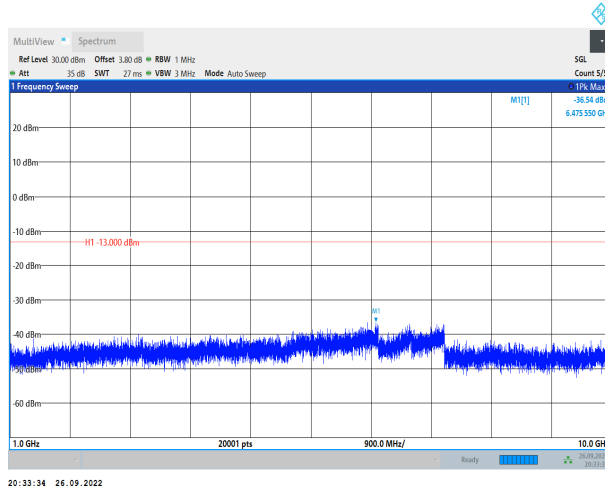
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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



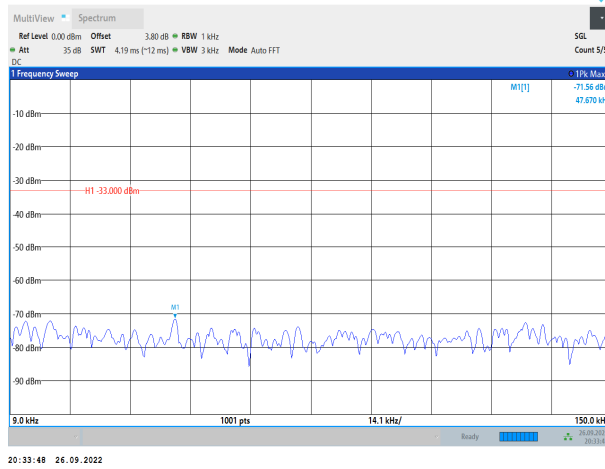
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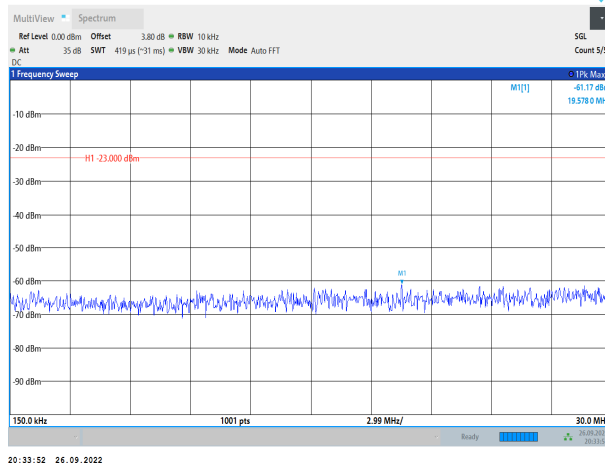
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



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

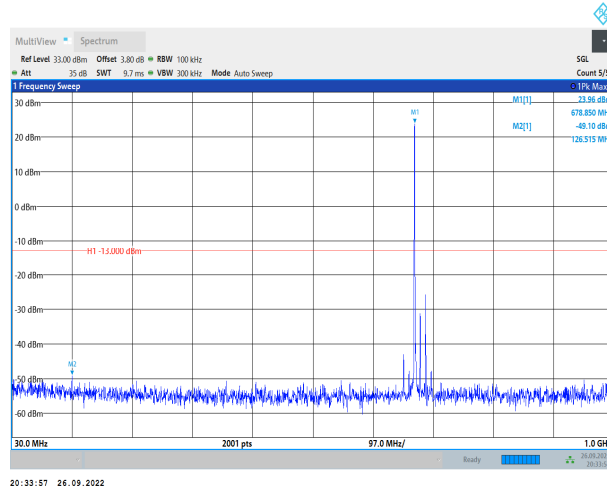


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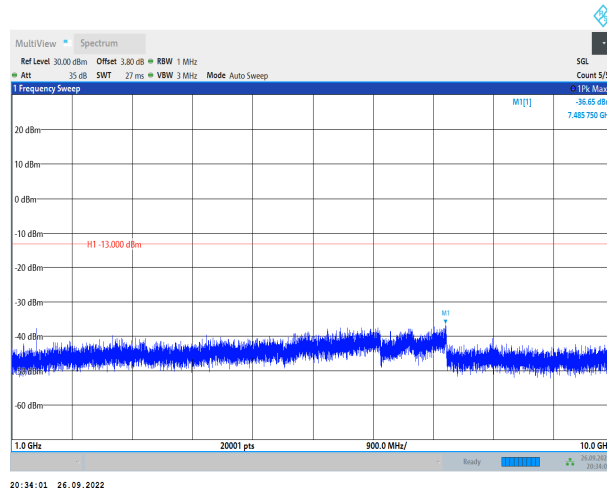
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## Field Strength of Spurious Radiation

Test Band = LTE Band 71\_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.1800	63.57	-48.09	25.61	-54.17	-13.00	41.17	163	42	Horizontal
2	1992.2700	53.32	-47.91	26.59	-63.26	-13.00	50.26	192	276	Horizontal
3	2656.3600	51.16	-47.00	28.21	-62.89	-13.00	49.89	175	170	Horizontal
4	3320.4500	51.58	-46.65	29.53	-60.80	-13.00	47.80	281	359	Horizontal
5	3984.5400	48.25	-46.20	30.76	-62.45	-13.00	49.45	226	191	Horizontal
6	4648.6300	46.48	-45.79	31.86	-62.72	-13.00	49.72	142	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.1800	65.61	-48.09	25.61	-52.13	-13.00	39.13	146	146	Vertical
2	1992.2700	51.25	-47.91	26.59	-65.33	-13.00	52.33	214	146	Vertical
3	2656.3600	50.86	-47.00	28.21	-63.19	-13.00	50.19	251	1	Vertical
4	3320.4500	51.19	-46.65	29.53	-61.19	-13.00	48.19	163	209	Vertical
5	3984.5400	48.44	-46.20	30.76	-62.26	-13.00	49.26	192	0	Vertical
6	4648.6300	47.46	-45.79	31.86	-61.74	-13.00	48.74	185	252	Vertical



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**Test Band = LTE Band 71\_ TM1**

**Test Channel = Mid**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.1800	66.39	-48.07	25.61	-51.33	-13.00	38.33	163	84	Horizontal
2	2022.2700	54.63	-47.86	26.72	-61.77	-13.00	48.77	241	254	Horizontal
3	2696.3600	51.03	-47.05	28.28	-62.99	-13.00	49.99	257	360	Horizontal
4	3370.4500	50.47	-46.58	29.47	-61.90	-13.00	48.90	169	358	Horizontal
5	4044.5400	47.39	-46.07	30.87	-63.07	-13.00	50.07	283	170	Horizontal
6	4718.6300	47.52	-45.77	32.07	-61.44	-13.00	48.44	164	232	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.1800	64.21	-48.07	25.61	-53.51	-13.00	40.51	172	148	Vertical
2	2022.2700	50.51	-47.86	26.72	-65.89	-13.00	52.89	163	298	Vertical
3	2696.3600	51.63	-47.05	28.28	-62.39	-13.00	49.39	192	233	Vertical
4	3370.4500	48.77	-46.58	29.47	-63.60	-13.00	50.60	178	170	Vertical
5	4044.5400	46.45	-46.07	30.87	-64.01	-13.00	51.01	224	0	Vertical
6	4718.6300	47.71	-45.77	32.07	-61.25	-13.00	48.25	215	0	Vertical



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**Test Band = LTE Band 71\_ TM1**
**Test Channel = High**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.1800	61.71	-48.05	25.61	-55.99	-13.00	42.99	241	63	Horizontal
2	2037.2700	51.58	-47.83	26.77	-64.74	-13.00	51.74	256	255	Horizontal
3	2716.3600	51.15	-47.03	28.32	-62.82	-13.00	49.82	193	212	Horizontal
4	3395.4500	48.74	-46.55	29.44	-63.63	-13.00	50.63	172	317	Horizontal
5	4074.5400	47.61	-45.98	30.91	-62.71	-13.00	49.71	164	190	Horizontal
6	4753.6300	48.39	-45.71	32.18	-60.40	-13.00	47.40	187	338	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.1800	62.52	-48.05	25.61	-55.18	-13.00	42.18	172	148	Vertical
2	2037.2700	50.02	-47.83	26.77	-66.30	-13.00	53.30	163	43	Vertical
3	2716.3600	51.98	-47.03	28.32	-61.99	-13.00	48.99	197	8	Vertical
4	3395.4500	49.30	-46.55	29.44	-63.07	-13.00	50.07	182	65	Vertical
5	4074.5400	48.69	-45.98	30.91	-61.63	-13.00	48.63	119	86	Vertical
6	4753.6300	47.83	-45.71	32.18	-60.96	-13.00	47.96	164	255	Vertical

Remark:

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

 $AF = \text{Antenna Factor (dB/m)}$ 
 $\text{Factor} = \text{Cable Factor (dB)} - \text{Pre-amplifier (dB)}$ 
 $\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$ 
 $\text{Margin} = \text{Limit} - \text{Level}$ 


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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	0.50	0.000732	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-3.10	-0.004539	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-2.90	-0.004246	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	0.30	0.000439	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-1.50	-0.002196	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-3.20	-0.004685	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-2.20	-0.003221	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	2.60	0.003807	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	0.30	0.000439	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-2.60	-0.003807	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	0.30	0.000439	PASS

---End of Attachment---



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