

Report No.: SEWA2303000029RG01

Rev.: 01

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Appendix B.18

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.99	11.5	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.93	11.44	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.95	11.46	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.93	10.44	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.31	10.82	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.91	11.42	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.89	11.4	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.85	10.36	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.46	10.97	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.93	11.44	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.9	11.41	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.97	10.48	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.07	10.58	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.08	10.59	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.16	10.67	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.94	9.45	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.13	10.64	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.01	10.52	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.01	10.52	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.85	9.36	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.11	10.62	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.1	10.61	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.1	10.61	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.86	9.37	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	21.18	9.69	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	21.13	9.64	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	21.09	9.6	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	19.81	8.32	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	21.25	9.76	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	21.16	9.67	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	21.02	9.53	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	19.88	8.39	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	21.14	9.65	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	21.08	9.59	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	21.14	9.65	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	19.81	8.32	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	18.04	6.55	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	18.08	6.59	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	18.17	6.68	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	17.93	6.44	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	18.08	6.59	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	18.12	6.63	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	18.04	6.55	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	17.89	6.4	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	18.09	6.6	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	17.97	6.48	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	18.13	6.64	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	17.88	6.39	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.96	11.47	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.97	11.48	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.96	11.47	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.84	10.35	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.38	10.89	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.06	11.57	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.02	11.53	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.9	10.41	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.57	11.08	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.95	11.46	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.95	11.46	34.77	PASS



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Band71	10MHz	QPSK	133422	50RB#0	21.92	10.43	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.17	10.68	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.22	10.73	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.12	10.63	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.84	9.35	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.17	10.68	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.23	10.74	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.15	10.66	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.9	9.41	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.1	10.61	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.13	10.64	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.04	10.55	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.96	9.47	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	21.16	9.67	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	21.18	9.69	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	21.16	9.67	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	19.77	8.28	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	21.22	9.73	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	21.11	9.62	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	21.13	9.64	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	19.79	8.3	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	21.12	9.63	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	21.15	9.66	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	21.1	9.61	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	19.99	8.5	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	18.18	6.69	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	18.04	6.55	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	18.08	6.59	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	17.88	6.39	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	18.22	6.73	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	18.05	6.56	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	18.17	6.68	34.77	PASS



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Band71	10MHz	256QAM	133297	50RB#0	17.83	6.34	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	18.12	6.63	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	18.07	6.58	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	18.02	6.53	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	18.05	6.56	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.91	11.42	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.99	11.5	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23	11.51	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.98	10.49	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	21	9.51	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.04	11.55	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.87	11.38	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.87	10.38	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.77	11.28	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.04	11.55	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.92	11.43	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.05	10.56	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.15	10.66	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.18	10.69	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.07	10.58	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.04	9.55	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.19	10.7	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.14	10.65	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.01	10.52	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.83	9.34	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.05	10.56	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.2	10.71	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.03	10.54	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.02	9.53	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	21.17	9.68	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	21.25	9.76	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	21.13	9.64	34.77	PASS



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Band71	15MHz	64QAM	133197	75RB#0	19.95	8.46	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	21.17	9.68	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	21.22	9.73	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	21	9.51	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	19.84	8.35	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	21.13	9.64	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	21.12	9.63	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	21.1	9.61	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	20.04	8.55	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	18.11	6.62	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	18.18	6.69	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	18.03	6.54	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	17.97	6.48	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	18.15	6.66	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	18.13	6.64	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	18.02	6.53	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	17.91	6.42	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	18.06	6.57	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	18.07	6.58	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	18.06	6.57	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	18.1	6.61	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23	11.51	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.02	11.53	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.88	11.39	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.12	10.63	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.63	11.14	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.96	11.47	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.93	11.44	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.88	10.39	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.61	11.12	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.94	11.45	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.94	11.45	34.77	PASS



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Band71	20MHz	QPSK	133372	100RB#0	22.1	10.61	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.15	10.66	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.15	10.66	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22	10.51	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.16	9.67	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.15	10.66	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.19	10.7	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.15	10.66	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.86	9.37	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.13	10.64	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.15	10.66	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.11	10.62	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.07	9.58	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	21.16	9.67	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	21.32	9.83	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	21.11	9.62	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.1	8.61	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	21.23	9.74	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	21.15	9.66	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	21.08	9.59	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	19.81	8.32	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	21.2	9.71	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	21.1	9.61	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	21.15	9.66	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	20.09	8.6	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	18.1	6.61	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	18.1	6.61	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	18.09	6.6	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	18.16	6.67	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	18.18	6.69	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	18.11	6.62	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	18.09	6.6	34.77	PASS



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Rev.: 01

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Band71	20MHz	256QAM	133322	100RB#0	17.86	6.37	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	18.19	6.7	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	18.04	6.55	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	18.03	6.54	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	18.07	6.58	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	5.72	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.62	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.80	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.34	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.32	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.42	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.56	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.52	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.64	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.74	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.34	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.50	13	PASS



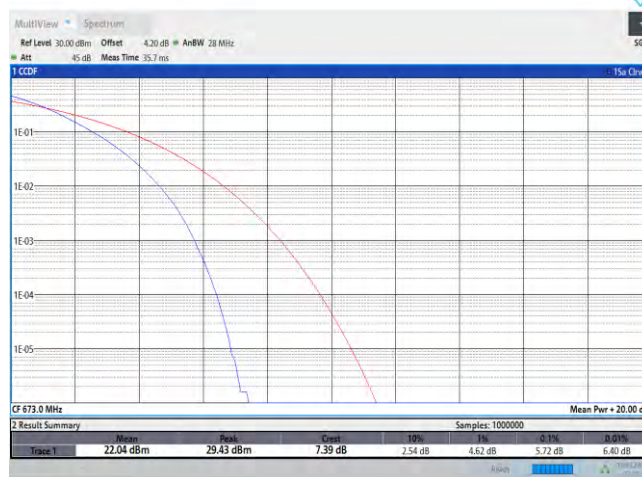
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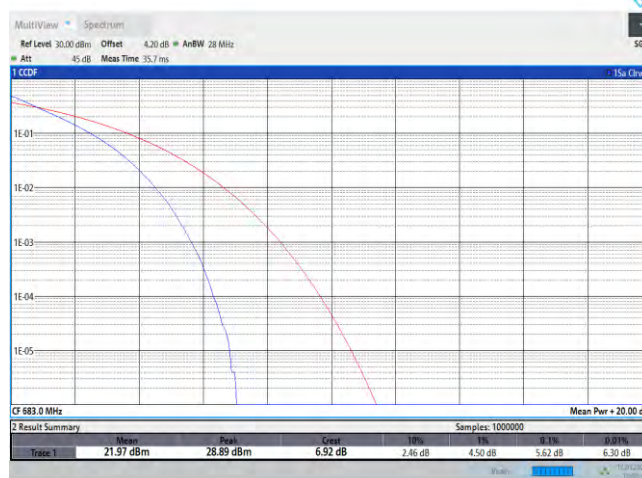
Test Graphs

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



02:01:15 10.03.2023

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



19:03:29 17.03.2023

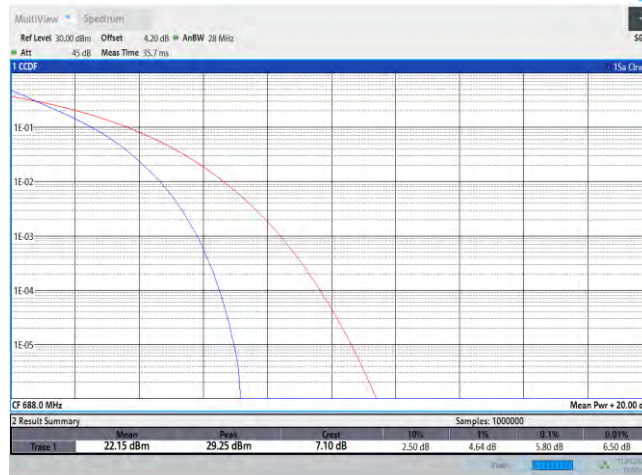


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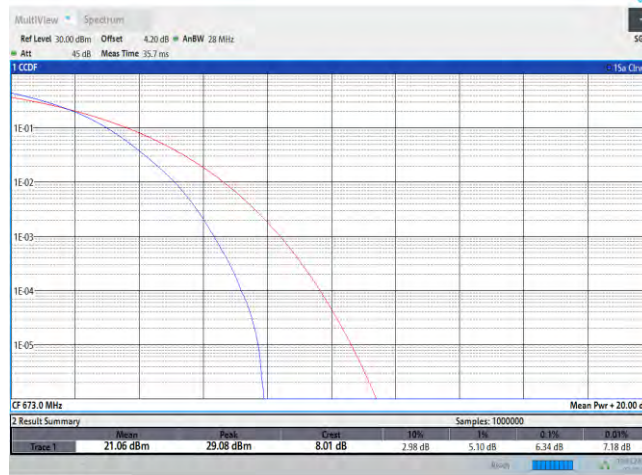
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Band71-20MHz-QPSK-133372-100RB#0



19:03:46 17.03.2023

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



02:01:32 10.03.2023

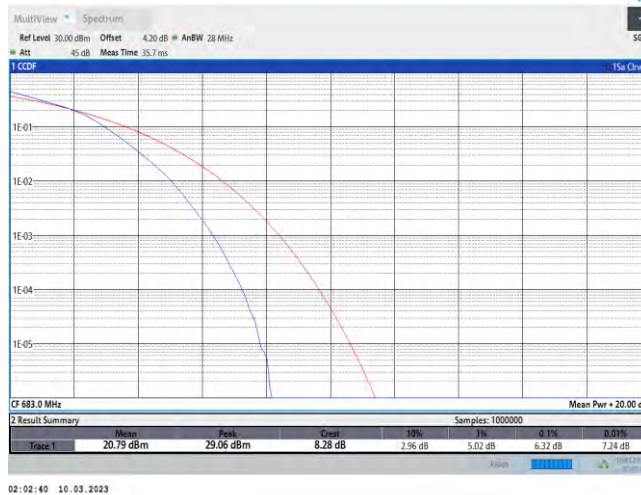


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Band71-20MHz-16QAM-133322-100RB#0



02:02:40 10.03.2023

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



02:03:49 10.03.2023



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



02:01:49 10.03.2023

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



02:02:57 10.03.2023



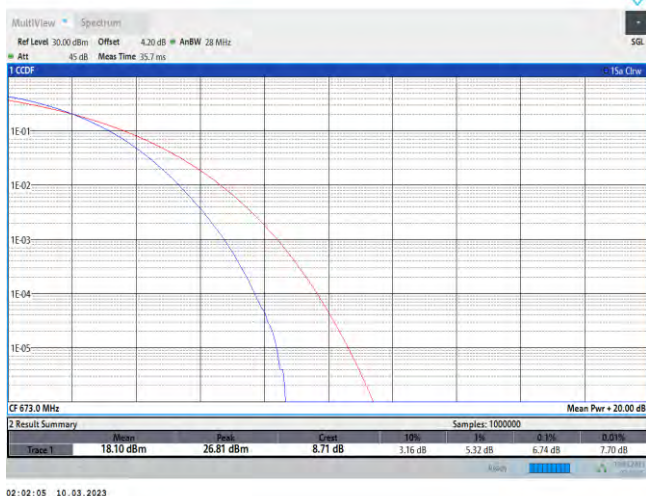
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Band71-20MHz-64QAM-133372-100RB#0



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

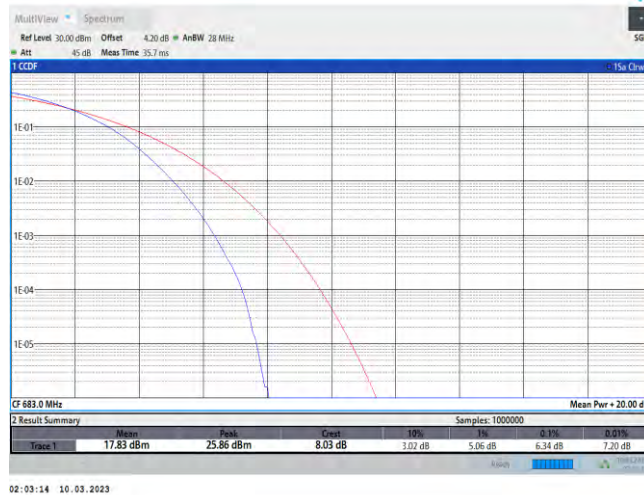


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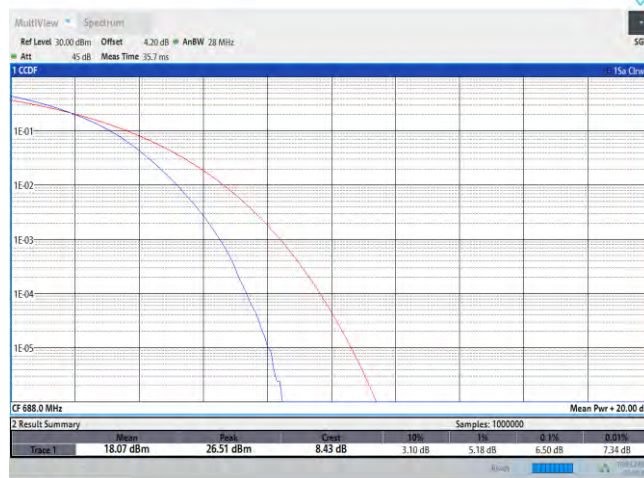
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Band71-20MHz-256QAM-133322-100RB#0



02:03:14 10.03.2023

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



02:04:22 10.03.2023



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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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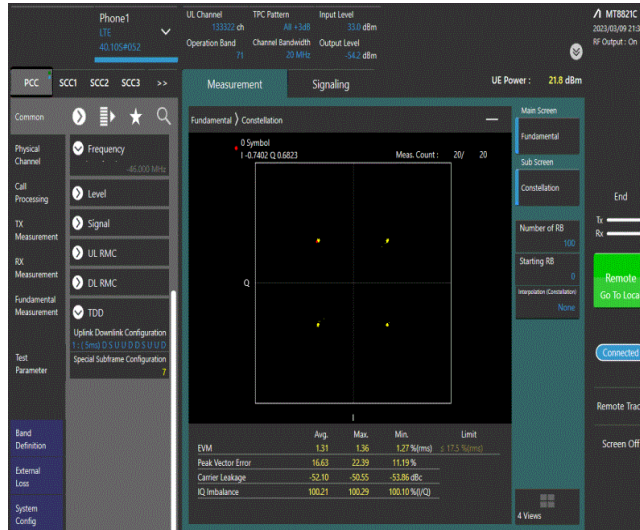
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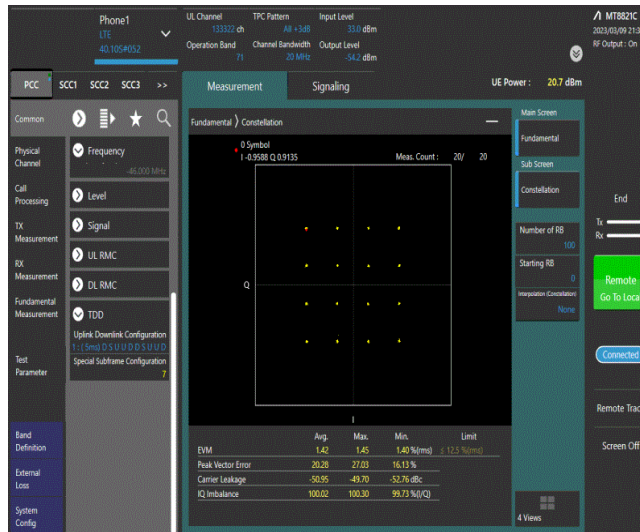
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Test Graphs

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



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



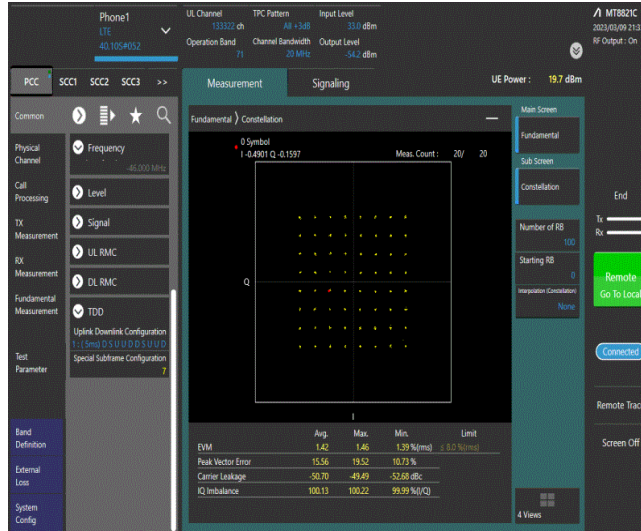
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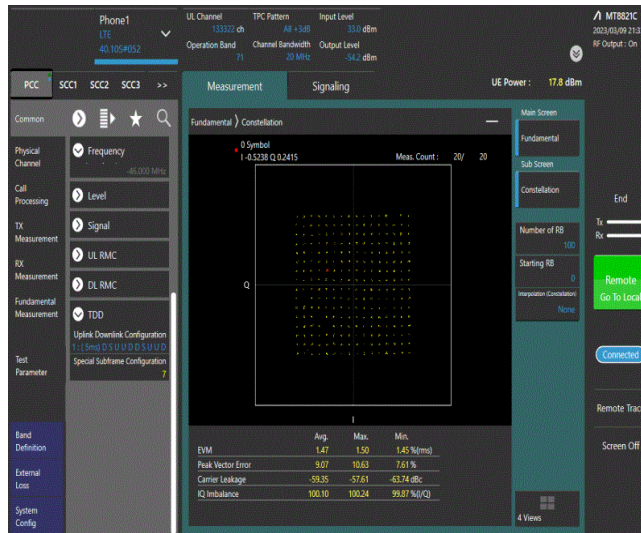
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Band71-20MHz-64QAM-133322-100RB#0



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	4.458	4.85	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.462	4.93	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.46	4.86	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.462	4.84	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.465	4.88	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.46	4.83	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.463	4.87	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.47	4.84	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.468	4.86	PASS
Band71	5MHz	256QAM	133147	25RB#0	4.461	4.79	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.464	4.81	PASS
Band71	5MHz	256QAM	133447	25RB#0	4.466	4.81	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.905	9.54	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.911	9.56	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.94	9.62	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.885	9.60	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.906	9.66	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.926	9.68	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.92	9.56	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.92	9.56	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.927	9.62	PASS
Band71	10MHz	256QAM	133172	50RB#0	8.903	9.50	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.916	9.58	PASS
Band71	10MHz	256QAM	133422	50RB#0	8.94	9.60	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.439	14.76	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.424	14.64	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.472	14.73	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.427	14.61	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.425	14.64	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.483	14.70	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.433	14.73	PASS



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Report No.: SEWA2303000029RG01

Rev.: 01

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Band71	15MHz	64QAM	133297	75RB#0	13.405	14.73	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.487	14.79	PASS
Band71	15MHz	256QAM	133197	75RB#0	13.408	14.67	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.407	14.52	PASS
Band71	15MHz	256QAM	133397	75RB#0	13.469	18.54	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.896	19.40	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.83	19.16	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.9	19.28	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.858	19.24	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.818	19.20	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.878	19.28	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.863	19.28	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.826	19.24	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.886	19.24	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.873	19.16	PASS
Band71	20MHz	256QAM	133322	100RB#0	17.82	19.16	PASS
Band71	20MHz	256QAM	133372	100RB#0	17.898	19.32	PASS

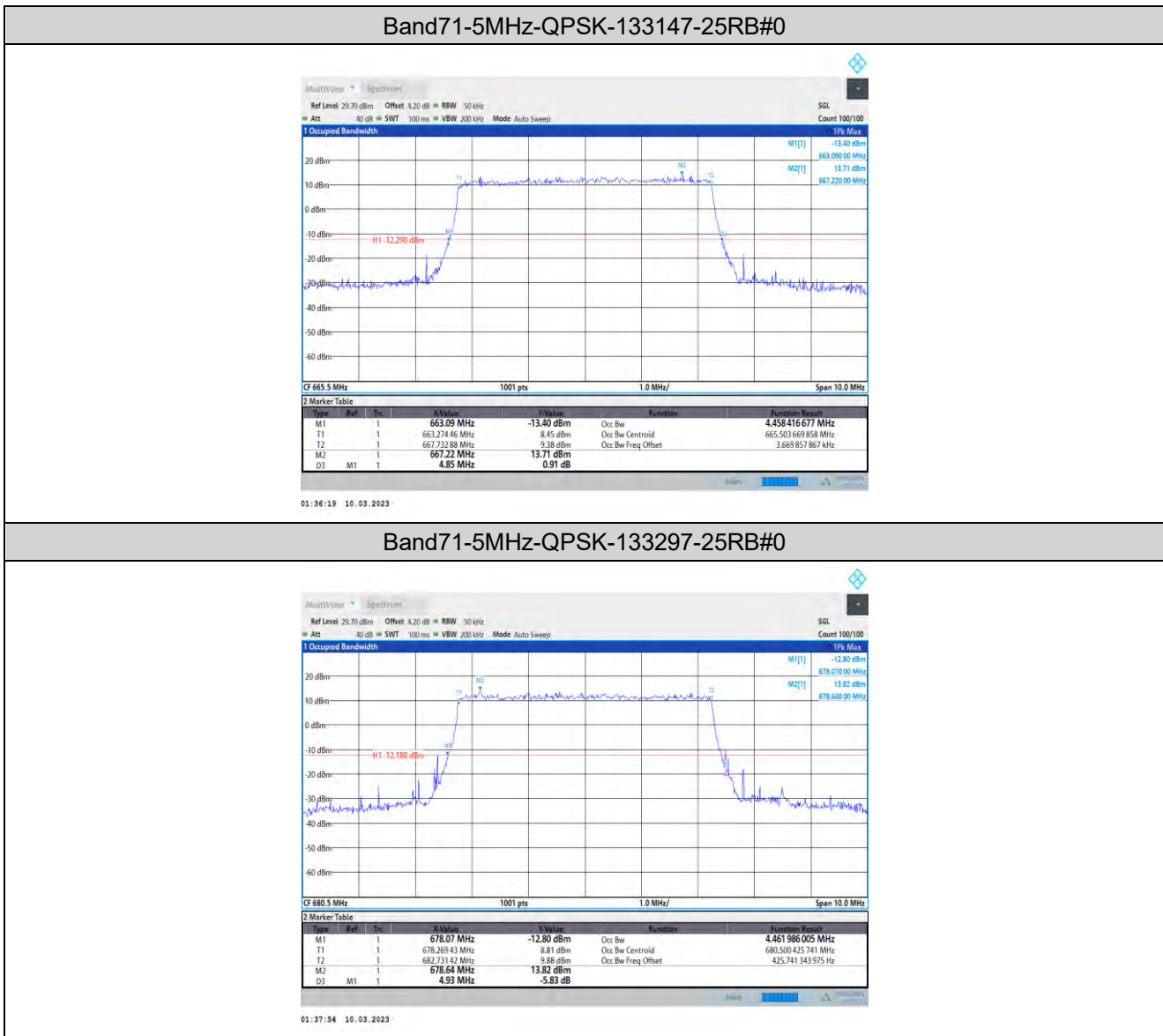


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Test Graphs



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



01:39:30 10.03.2023

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



01:36:42 10.03.2023



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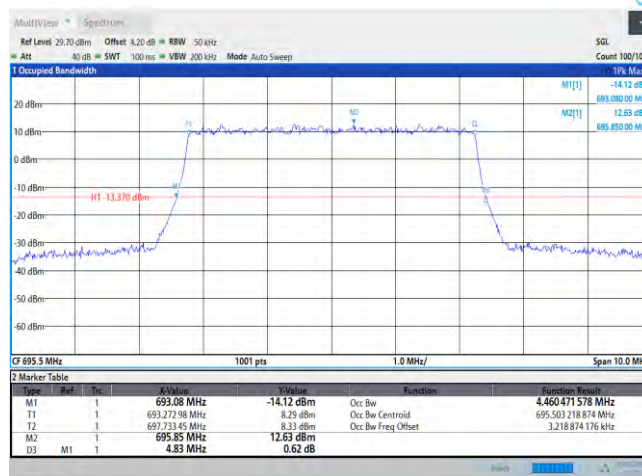
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Band71-5MHz-16QAM-133297-25RB#0



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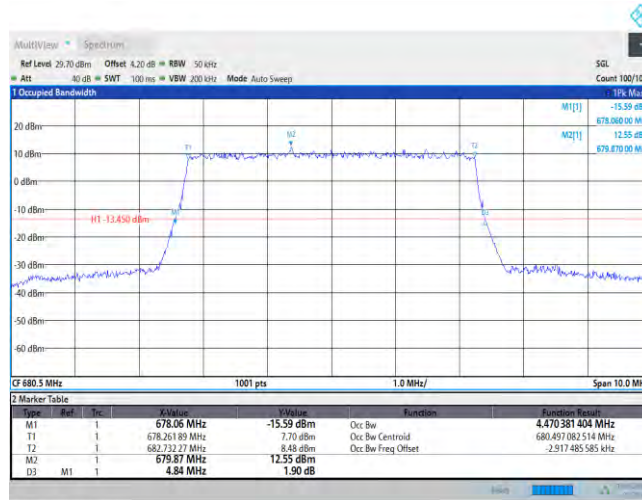
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Band71-5MHz-64QAM-133147-25RB#0



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



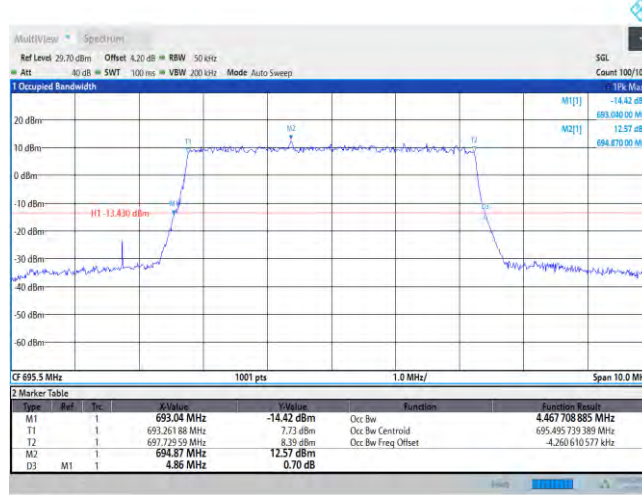
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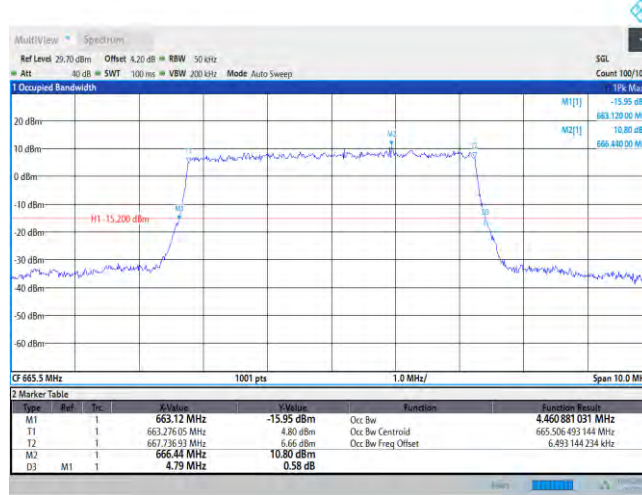
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Band71-5MHz-64QAM-133447-25RB#0



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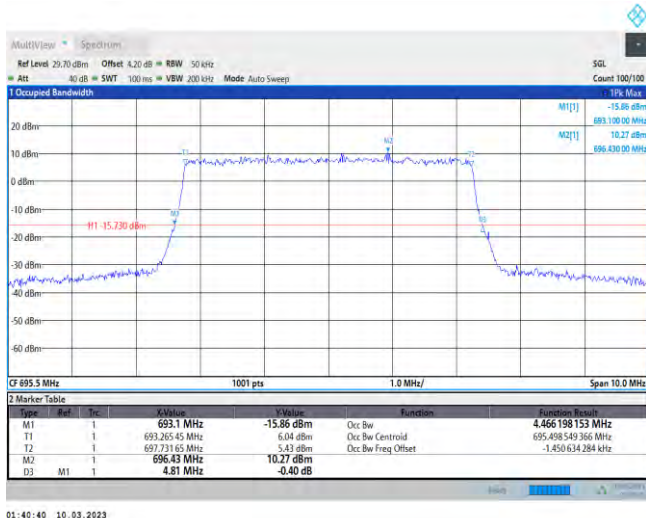
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Band71-5MHz-256QAM-133297-25RB#0



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



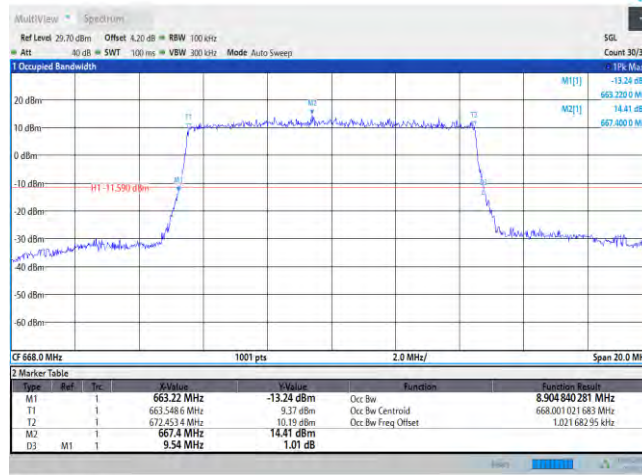
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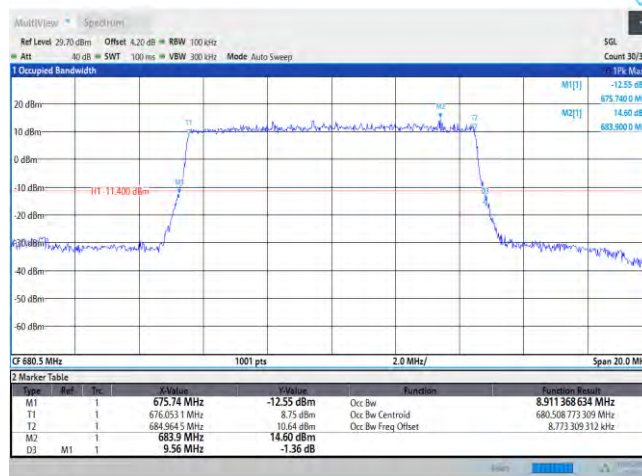
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Band71-10MHz-QPSK-133172-50RB#0



01:41:12 10.03.2023

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



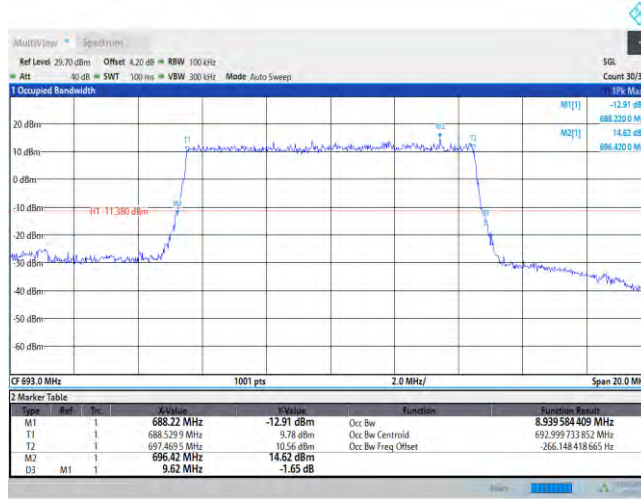
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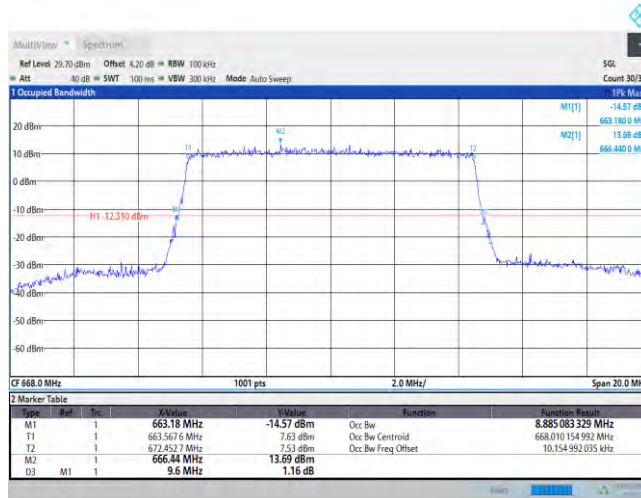
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Band71-10MHz-QPSK-133422-50RB#0



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



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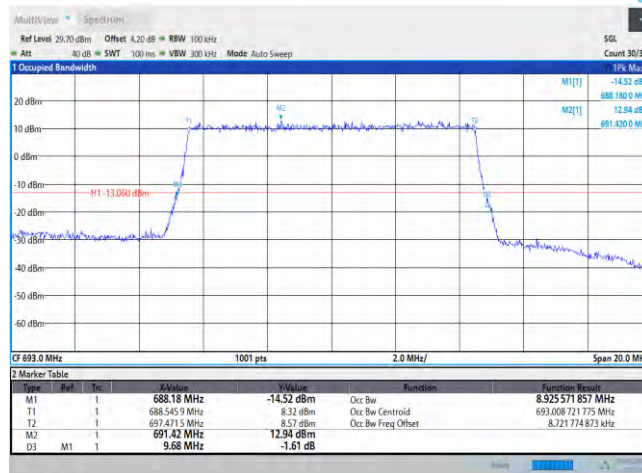
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Band71-10MHz-16QAM-133297-50RB#0



01:42:36 10.03.2023

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



01:43:43 10.03.2023



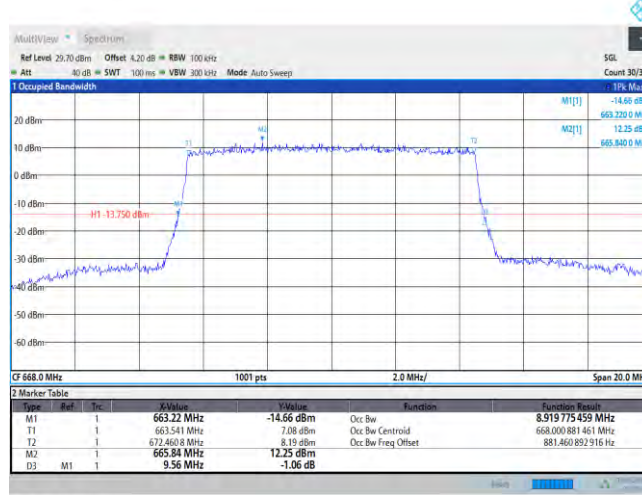
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Band71-10MHz-64QAM-133172-50RB#0



01:41:44 10.03.2023

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



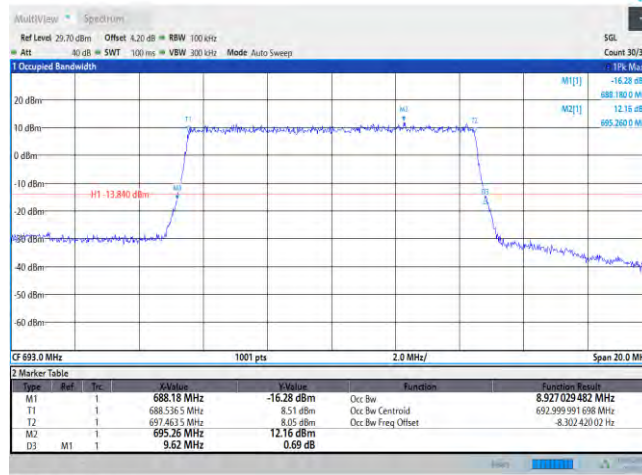
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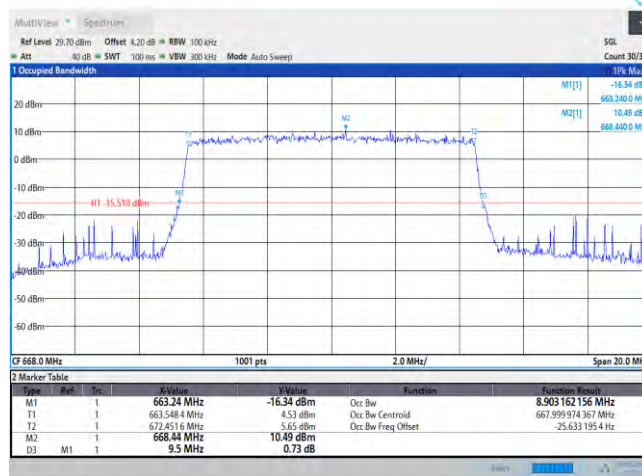
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Band71-10MHz-64QAM-133422-50RB#0



01:43:59 10.03.2023

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



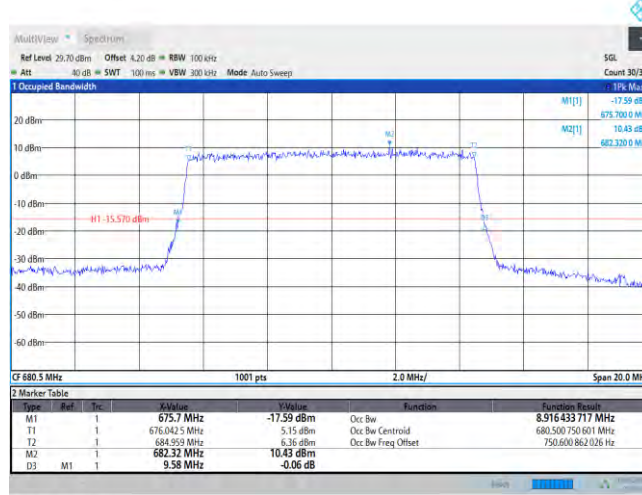
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Band71-10MHz-256QAM-133297-50RB#0



01:43:08 10.03.2023

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



01:44:16 10.03.2023



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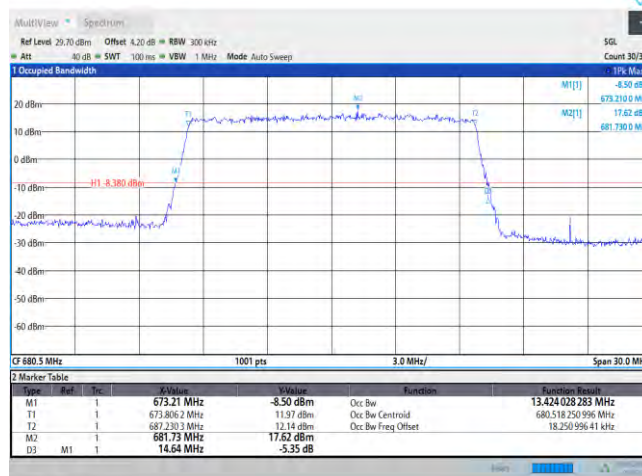
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Band71-15MHz-QPSK-133197-75RB#0



01:44:47 10.03.2023

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



01:45:55 10.03.2023



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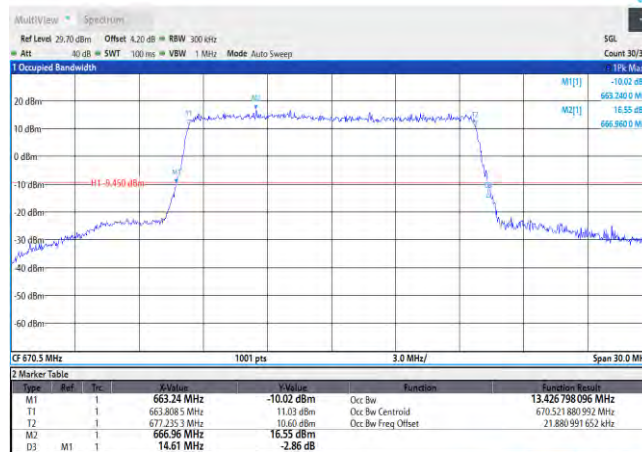
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Band71-15MHz-QPSK-133397-75RB#0



01:47:02 10.03.2023

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



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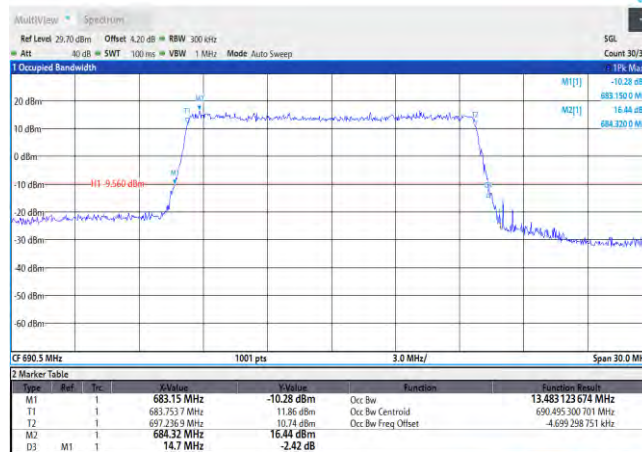
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Band71-15MHz-16QAM-133297-75RB#0



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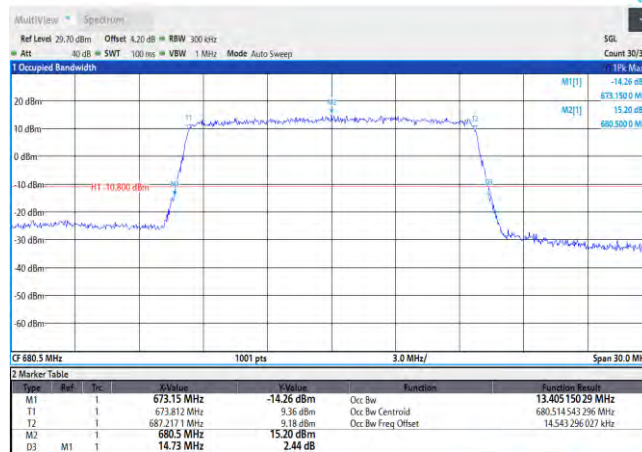
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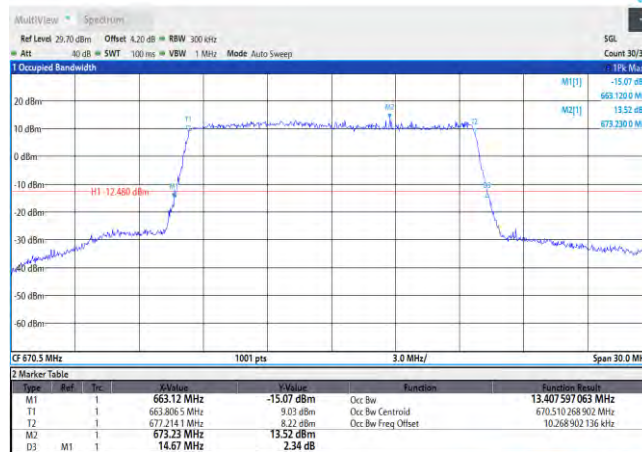
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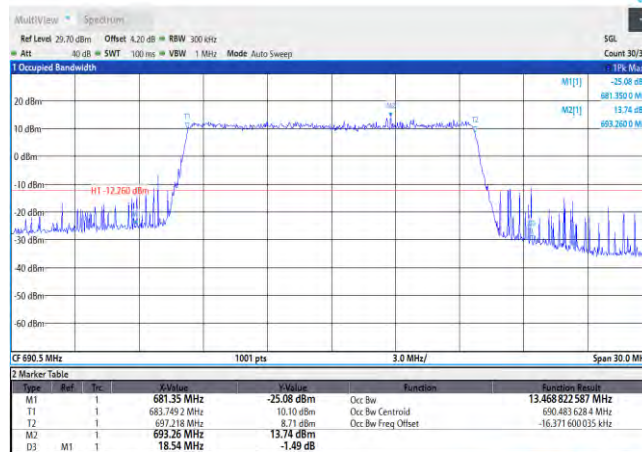
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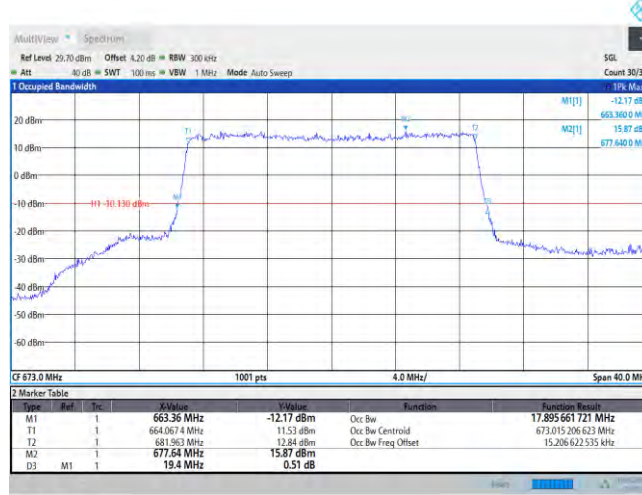
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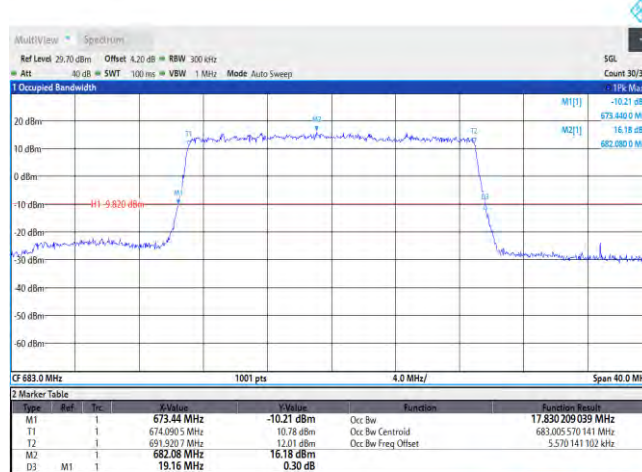
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Band71-20MHz-QPSK-133222-100RB#0



01:48:22 10.03.2023

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



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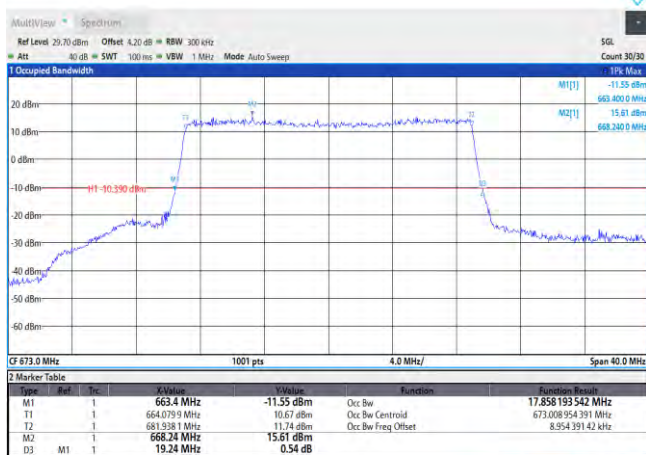
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Band71-20MHz-16QAM-133222-100RB#0



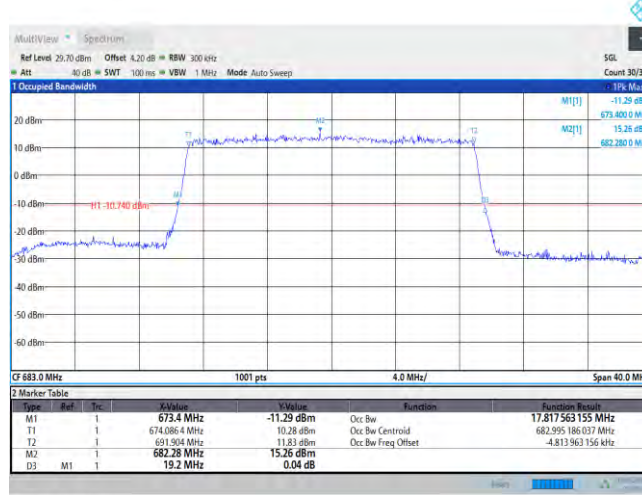
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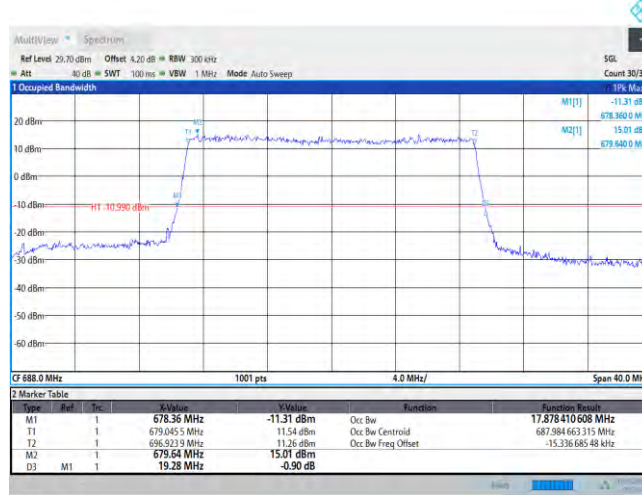
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Band71-20MHz-16QAM-133322-100RB#0



01:49:46 10.03.2023

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



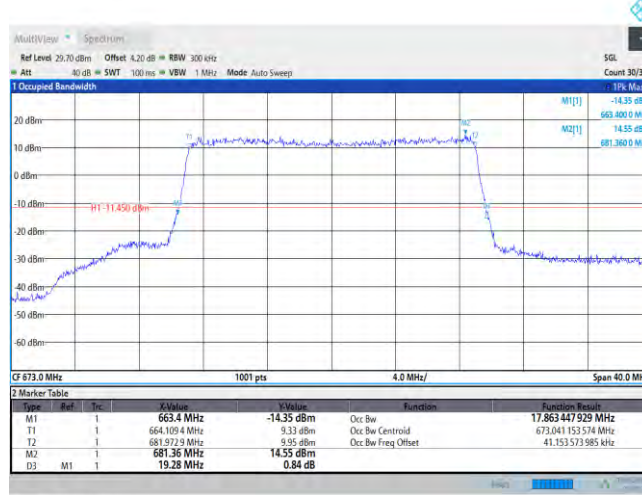
01:50:54 10.03.2023



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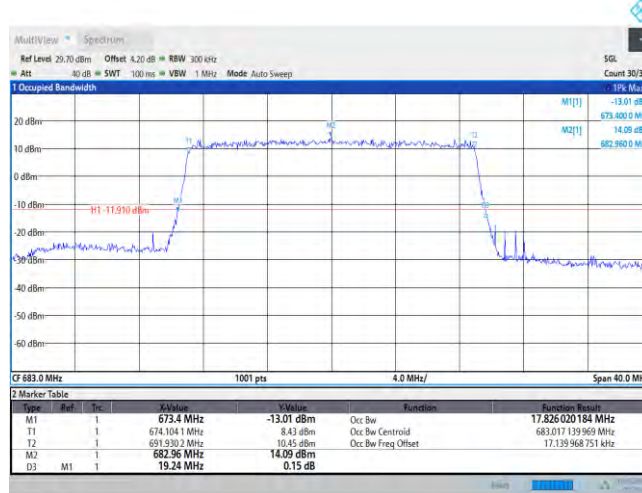
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Band71-20MHz-64QAM-133222-100RB#0



01:48:55 10.03.2023

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



01:50:03 10.03.2023



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



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



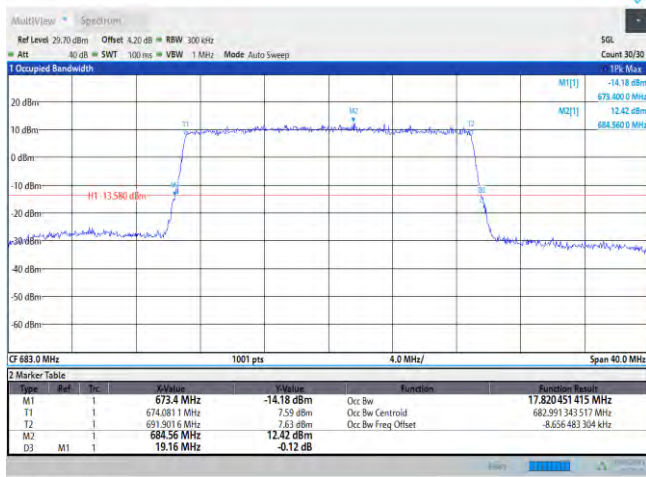
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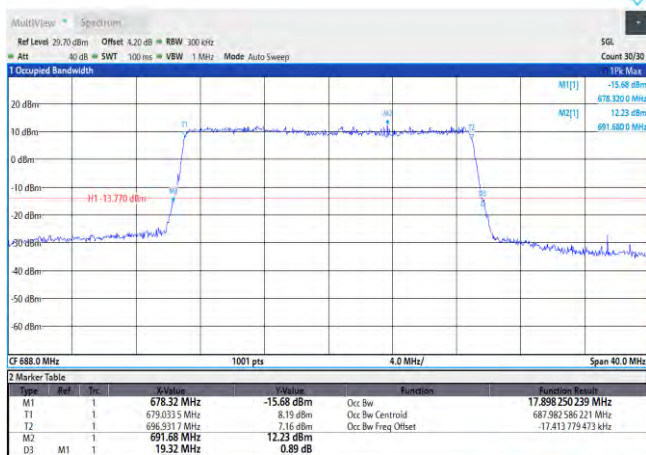
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Band71-20MHz-256QAM-133322-100RB#0



01:50:19 10.03.2023

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



01:51:27 10.03.2023



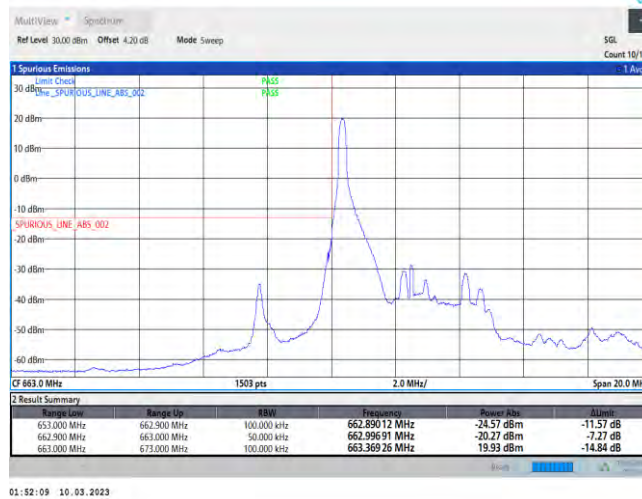
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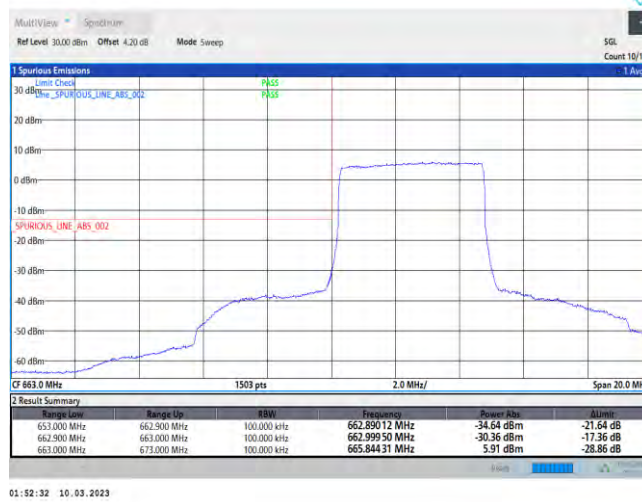
Band Edge

Test Graphs

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



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



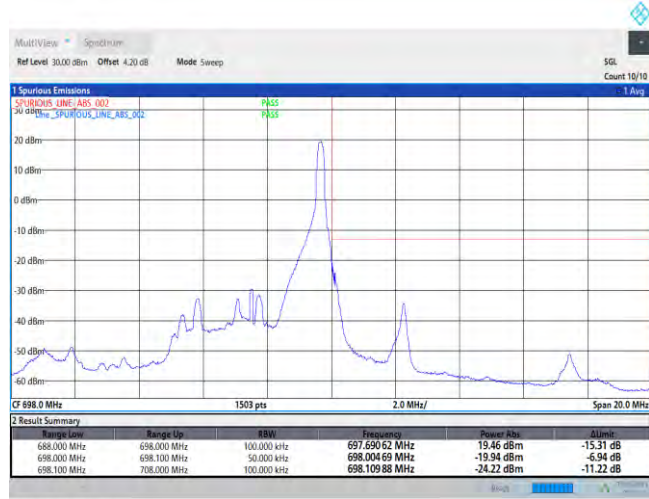
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Band71-5MHz-QPSK-133447-1RB#24



01:53:14 10.03.2023

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



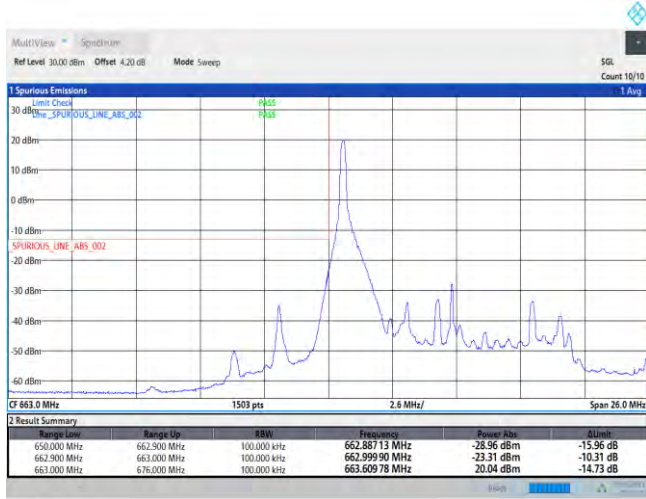
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Band71-10MHz-QPSK-133172-1RB#0



01:54:20 10.03.2023

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



01:54:43 10.03.2023

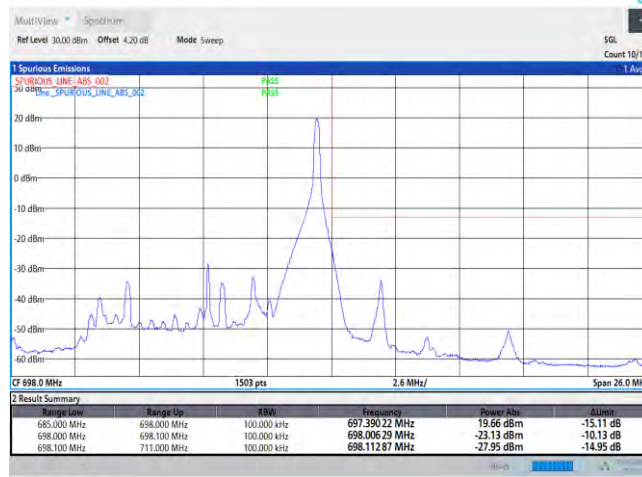


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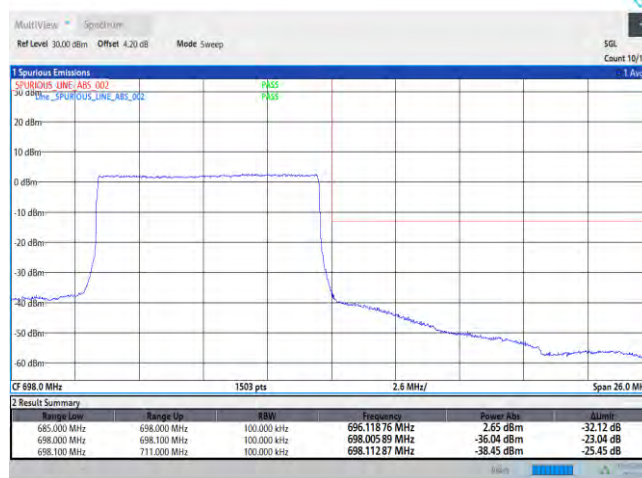
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Band71-10MHz-QPSK-133422-1RB#49



01:55:24 10.03.2023

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



01:55:47 10.03.2023



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



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



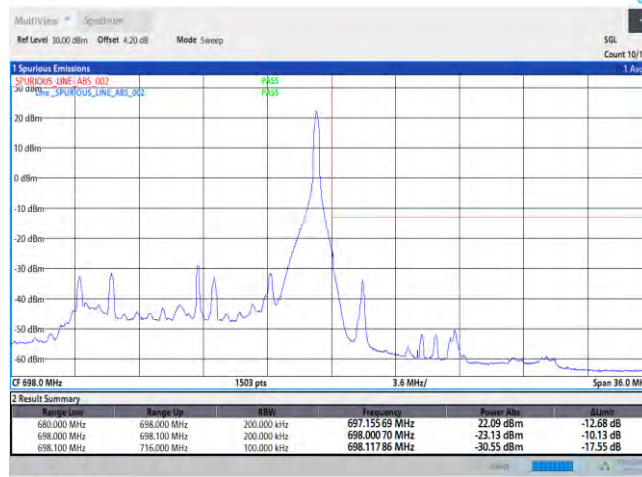
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Band71-15MHz-QPSK-133397-1RB#74



01:57:44 10.03.2023

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



01:58:10 10.03.2023



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



01:58:58 10.03.2023

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



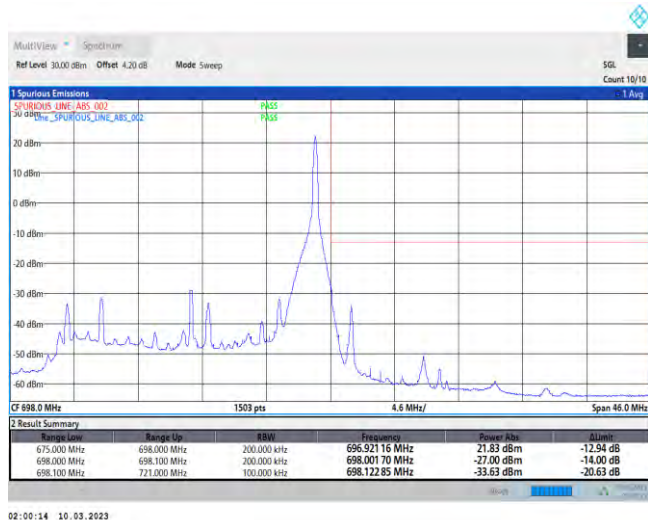
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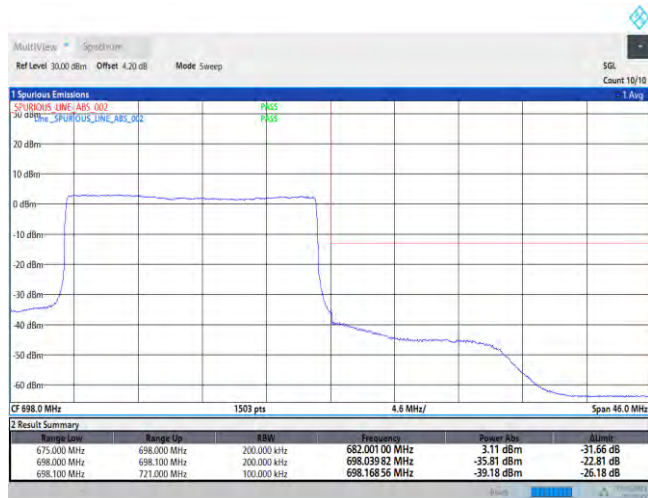
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Band71-20MHz-QPSK-133372-1RB#99



02:00:14 10.03.2023

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



02:00:44 10.03.2023



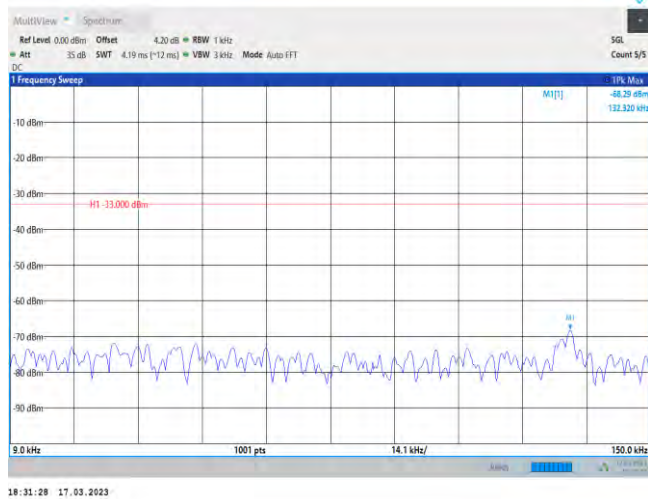
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Conducted Spurious Emission

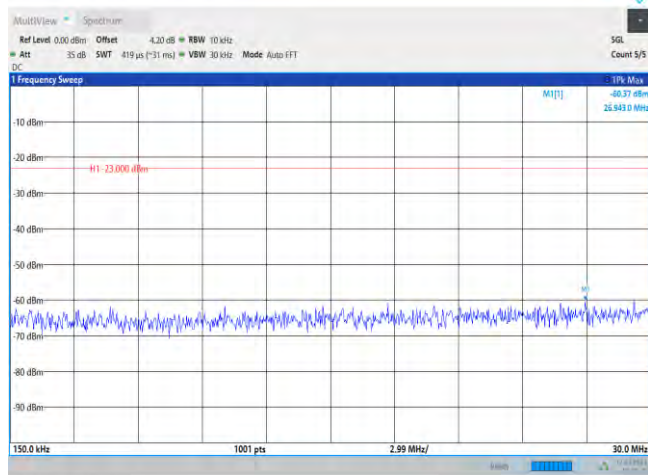
Test Graphs

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



18:31:28 17.03.2023

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



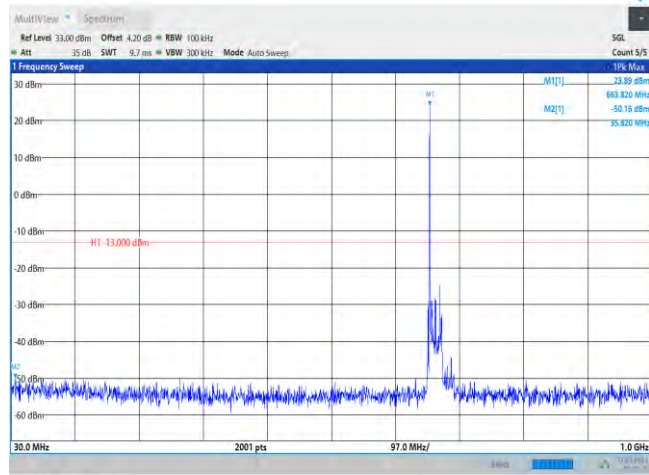
18:31:31 17.03.2023



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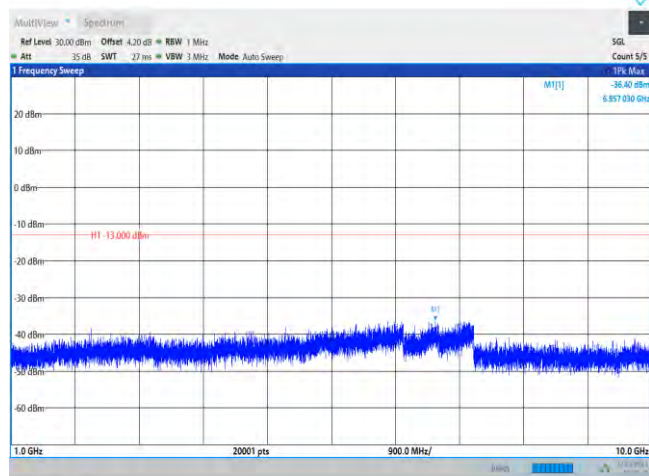
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



18:31:36 17.03.2023

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



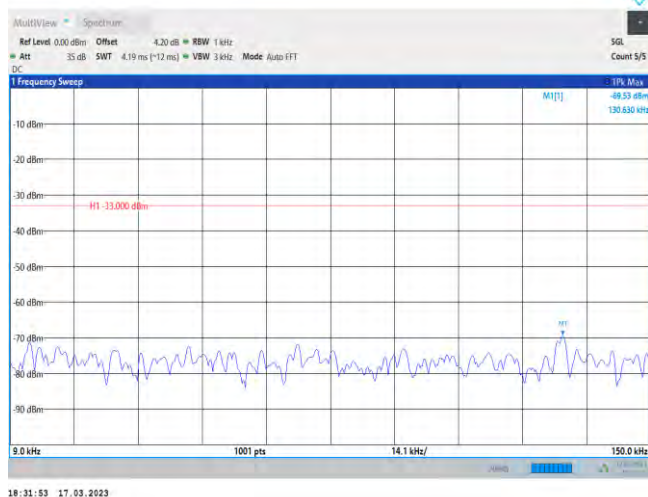
18:31:39 17.03.2023



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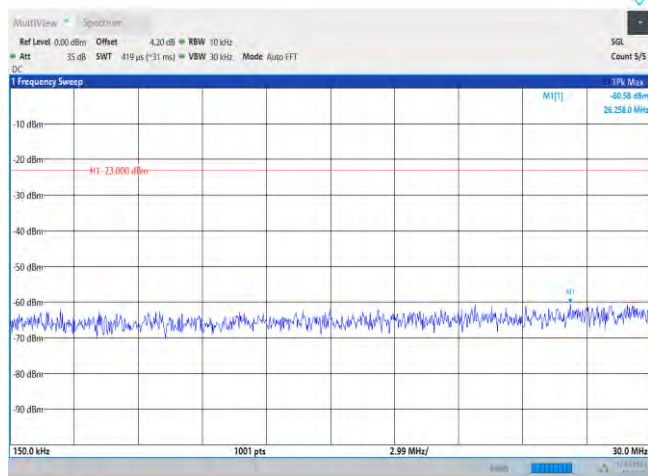
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



18:31:53 17.03.2023

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



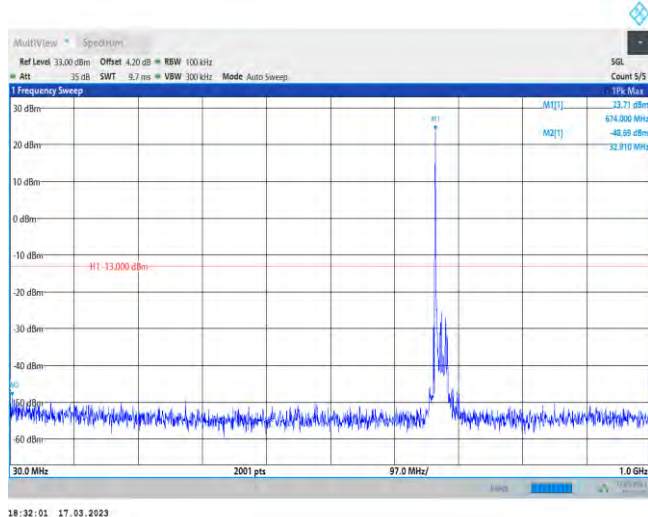
18:31:57 17.03.2023



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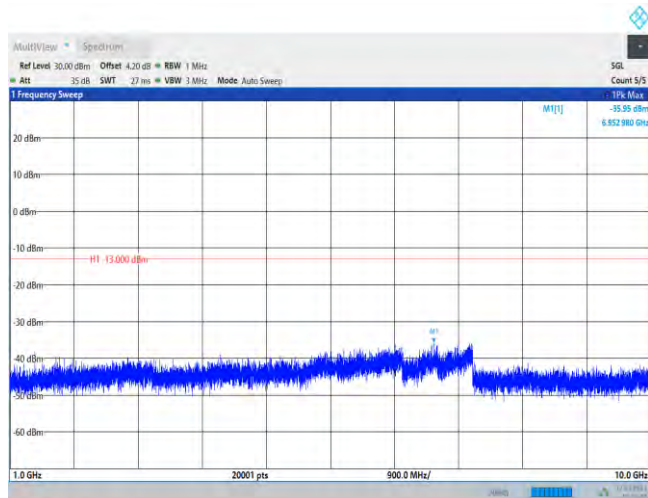
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



18:32:01 17.03.2023

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



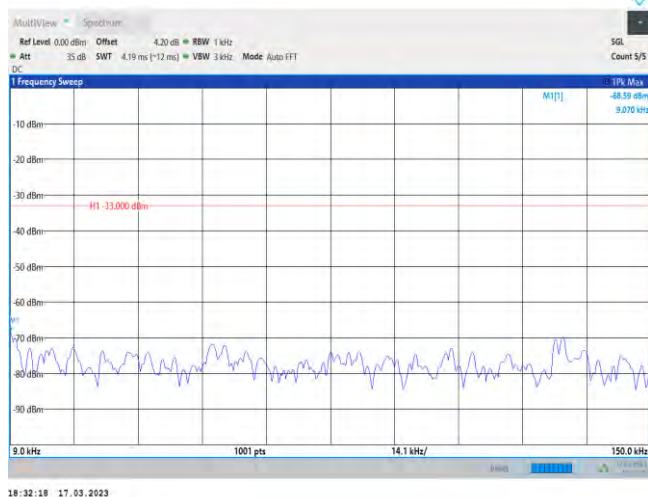
18:32:05 17.03.2023



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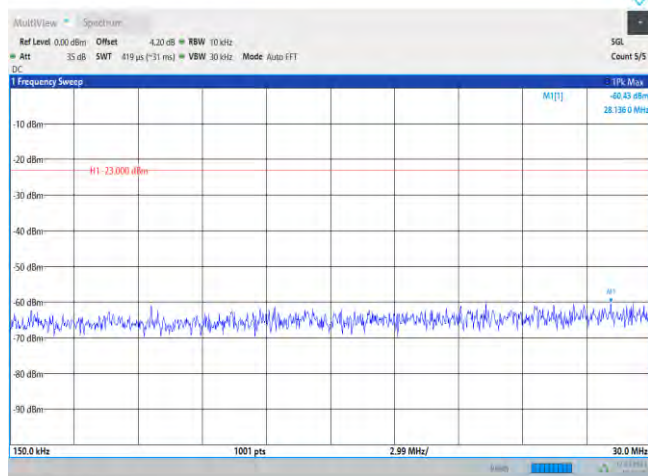
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



18:32:18 17.03.2023

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



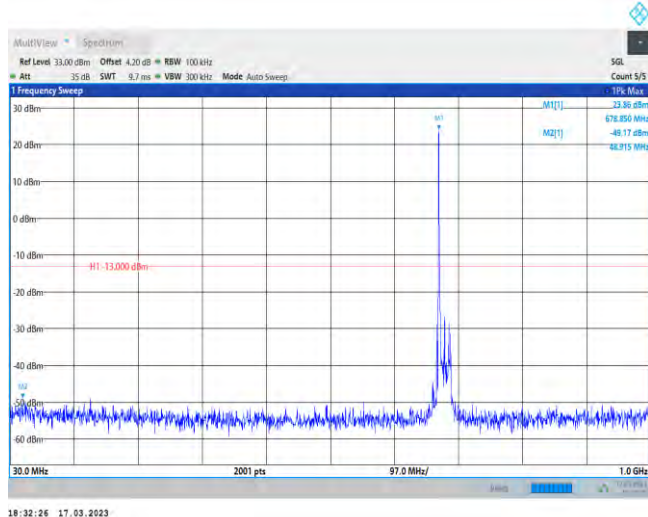
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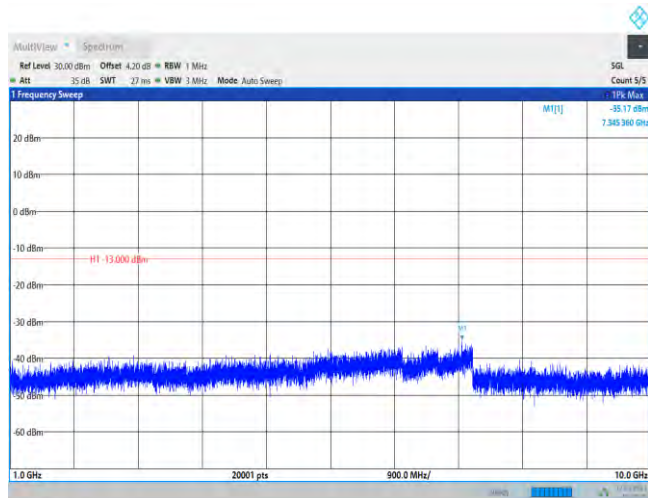
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



18:32:26 17.03.2023

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



18:32:30 17.03.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band 71_20MHz__ 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	63.72	-48.09	25.61	-54.02	-13.00	41.02	153	194	Horizontal
2	1992.2700	44.71	-47.91	26.59	-71.87	-13.00	58.87	234	129	Horizontal
3	2656.3600	47.37	-47.00	28.21	-66.68	-13.00	53.68	178	42	Horizontal
4	3320.4500	44.58	-46.65	29.53	-67.80	-13.00	54.80	246	0	Horizontal
5	3984.5400	43.41	-46.20	30.76	-67.29	-13.00	54.29	198	24	Horizontal
6	4648.6300	42.03	-45.79	31.86	-67.17	-13.00	54.17	207	214	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	60.50	-48.09	25.61	-57.24	-13.00	44.24	214	360	Vertical
2	1992.2700	47.25	-47.91	26.59	-69.33	-13.00	56.33	291	254	Vertical
3	2656.3600	52.41	-47.00	28.21	-61.64	-13.00	48.64	167	170	Vertical
4	3320.4500	43.84	-46.65	29.53	-68.54	-13.00	55.54	218	212	Vertical
5	3984.5400	43.47	-46.20	30.76	-67.23	-13.00	54.23	206	360	Vertical
6	4648.6300	42.09	-45.79	31.86	-67.11	-13.00	54.11	139	189	Vertical



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Test Band = LTE Band 71_20MHz__ 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	55.19	-48.07	25.61	-62.53	-13.00	49.53	175	9	Horizontal
2	2022.2700	44.43	-47.86	26.72	-71.97	-13.00	58.97	253	169	Horizontal
3	2696.3600	45.69	-47.05	28.28	-68.33	-13.00	55.33	199	190	Horizontal
4	3370.4500	43.62	-46.58	29.47	-68.75	-13.00	55.75	135	84	Horizontal
5	4044.5400	43.20	-46.07	30.87	-67.26	-13.00	54.26	229	169	Horizontal
6	4718.6300	42.59	-45.77	32.07	-66.37	-13.00	53.37	165	9	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	54.65	-48.07	25.61	-63.07	-13.00	50.07	249	274	Vertical
2	2031.2	50.94	-47.84	26.75	-65.41	-13.00	52.41	178	274	Vertical
3	2696.3600	48.66	-47.05	28.28	-65.36	-13.00	52.36	206	169	Vertical
4	3370.4500	43.05	-46.58	29.47	-69.32	-13.00	56.32	224	358	Vertical
5	4044.5400	42.64	-46.07	30.87	-67.82	-13.00	54.82	186	23	Vertical
6	4718.6300	42.95	-45.77	32.07	-66.01	-13.00	53.01	276	0	Vertical



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Test Band = LTE Band 71_20MHz__ 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	60.39	-48.05	25.61	-57.31	-13.00	44.31	297	190	Horizontal
2	2037.2700	46.41	-47.83	26.77	-69.91	-13.00	56.91	184	127	Horizontal
3	2716.3600	46.45	-47.03	28.32	-67.52	-13.00	54.52	257	42	Horizontal
4	3395.4500	44.17	-46.55	29.44	-68.20	-13.00	55.20	153	170	Horizontal
5	4074.5400	42.23	-45.98	30.91	-68.09	-13.00	55.09	264	276	Horizontal
6	4753.6300	42.40	-45.71	32.18	-66.39	-13.00	53.39	172	276	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	59.47	-48.05	25.61	-58.23	-13.00	45.23	247	281	Vertical
2	2031.2	50.85	-47.84	26.75	-65.50	-13.00	52.50	290	281	Vertical
3	2716.3600	51.18	-47.03	28.32	-62.79	-13.00	49.79	251	236	Vertical
4	3395.4500	43.49	-46.55	29.44	-68.88	-13.00	55.88	197	318	Vertical
5	4074.5400	43.23	-45.98	30.91	-67.09	-13.00	54.09	208	129	Vertical
6	4753.6300	42.70	-45.71	32.18	-66.09	-13.00	53.09	177	190	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-0.10	-0.000146	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-5.40	-0.007906	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-8.30	-0.012152	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-5.70	-0.008346	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-0.50	-0.000732	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	0.50	0.000732	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	0.60	0.000878	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-1.20	-0.001757	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-5.00	-0.007321	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	0.30	0.000439	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-3.10	-0.004539	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-3.30	-0.004832	PASS

---End of Attachment---



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