



Report No.: SEWM2210000205RG01

Rev.: 01

Page: 1 of 62

Appendix B.7

LTE Band 71



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Report No.: SEWM2210000205RG01
 Rev.: 01
 Page: 2 of 62

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.09	23.33	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.05	23.29	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.01	23.25	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.12	22.36	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.04	23.28	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.09	23.33	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.02	23.26	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.03	22.27	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.1	23.34	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.14	23.38	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.12	23.36	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.12	22.36	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.13	22.37	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.12	22.36	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.11	22.35	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.07	21.31	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.18	22.42	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.22	22.46	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.16	22.4	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.02	21.26	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.19	22.43	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.2	22.44	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.19	22.43	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.12	21.36	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.22	21.46	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.19	21.43	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.16	21.4	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 3 of 62

Band71	5MHz	64QAM	133147	25RB#0	20.99	20.23	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.19	21.43	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.24	21.48	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.15	21.39	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	20.99	20.23	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.24	21.48	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.29	21.53	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.3	21.54	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.09	20.33	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.12	18.36	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.22	18.46	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.16	18.4	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.07	18.31	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	19.23	18.47	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.17	18.41	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	19.16	18.4	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.06	18.3	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	19.25	18.49	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	19.21	18.45	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	19.27	18.51	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	19.11	18.35	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.08	23.32	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.99	23.23	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.98	23.22	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.01	22.25	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24	23.24	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.05	23.29	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.98	23.22	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.08	22.32	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24	23.24	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.05	23.29	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.06	23.3	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 4 of 62

Band71	10MHz	QPSK	133422	50RB#0	23.12	22.36	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.15	22.39	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.19	22.43	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.05	22.29	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.99	21.23	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.15	22.39	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.13	22.37	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.12	22.36	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.06	21.3	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.17	22.41	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.15	22.39	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.2	22.44	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.12	21.36	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.15	21.39	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.15	21.39	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.18	21.42	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	20.99	20.23	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.19	21.43	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.22	21.46	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.12	21.36	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.05	20.29	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.17	21.41	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.19	21.43	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.27	21.51	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.09	20.33	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.2	18.44	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.1	18.34	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.11	18.35	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	19.05	18.29	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	19.32	18.56	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	19.09	18.33	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	19.05	18.29	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 5 of 62

Band71	10MHz	256QAM	133297	50RB#0	19.09	18.33	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	19.24	18.48	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	19.14	18.38	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	19.21	18.45	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	19.16	18.4	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.98	23.22	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.93	23.17	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.95	23.19	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.93	22.17	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.98	23.22	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.02	23.26	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.91	23.15	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.09	22.33	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.97	23.21	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.02	23.26	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.06	23.3	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.07	22.31	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.14	22.38	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.09	22.33	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.09	22.33	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.9	21.14	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.09	22.33	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.16	22.4	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.12	22.36	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.02	21.26	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.14	22.38	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.12	22.36	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.24	22.48	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.09	21.33	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.14	21.38	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.12	21.36	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.12	21.36	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 6 of 62

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Band71	15MHz	64QAM	133297	1RB#0	22.16	21.4	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.25	21.49	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.14	21.38	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.01	20.25	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.15	21.39	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.25	21.49	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.27	21.51	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.08	20.32	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	19.15	18.39	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.08	18.32	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.07	18.31	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	18.52	17.76	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	19.65	18.89	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	19.13	18.37	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	19.13	18.37	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	19.09	18.33	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	19.52	18.76	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	19.16	18.4	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	19.22	18.46	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	19.08	18.32	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.01	23.25	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.97	23.21	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.99	23.23	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.9	22.14	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.02	23.26	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.03	23.27	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.05	23.29	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.07	22.31	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.99	23.23	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24	23.24	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.1	23.34	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 7 of 62

Band71	20MHz	QPSK	133372	100RB#0	23.07	22.31	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.16	22.4	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.11	22.35	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.11	22.35	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.86	21.1	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.15	22.39	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.22	22.46	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.15	22.39	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.03	21.27	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.1	22.34	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.11	22.35	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.21	22.45	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.02	21.26	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.2	21.44	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.11	21.35	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.19	21.43	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	20.84	20.08	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.21	21.45	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.2	21.44	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.24	21.48	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.05	20.29	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.19	21.43	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.13	21.37	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.29	21.53	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.03	20.27	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.19	18.43	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	19.15	18.39	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.14	18.38	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	18.65	17.89	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	19.32	18.56	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	19.17	18.41	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19.23	18.47	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 8 of 62

Band71	20MHz	256QAM	133322	100RB#0	19.07	18.31	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.44	18.68	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	19.13	18.37	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	19.25	18.49	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.07	18.31	34.77	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 9 of 62

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.08	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.08	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.12	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.72	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.78	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.82	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.06	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.12	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.20	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.22	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.22	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.28	13	PASS



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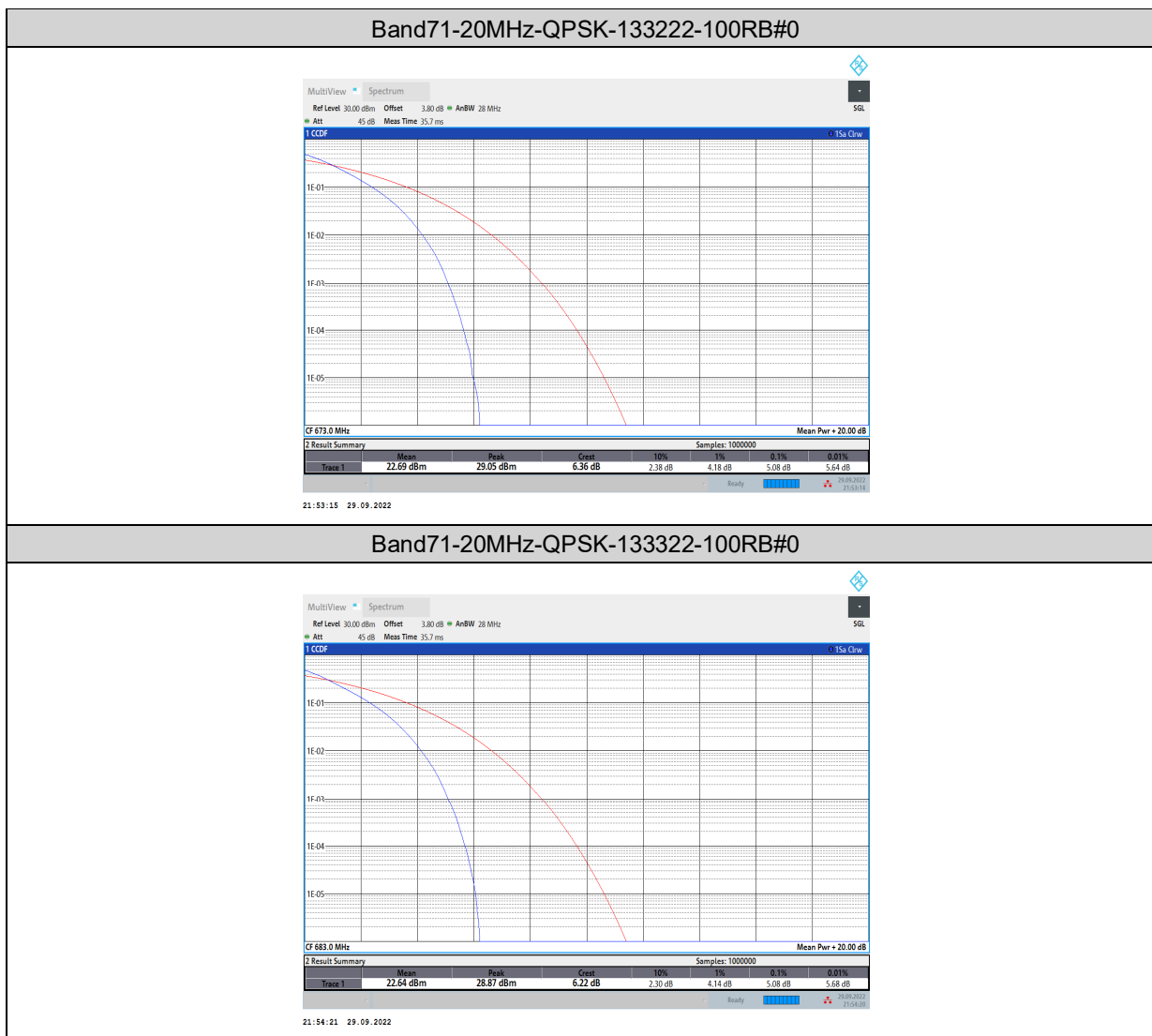
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Rev.: 01

Page: 10 of 62

Test Graphs



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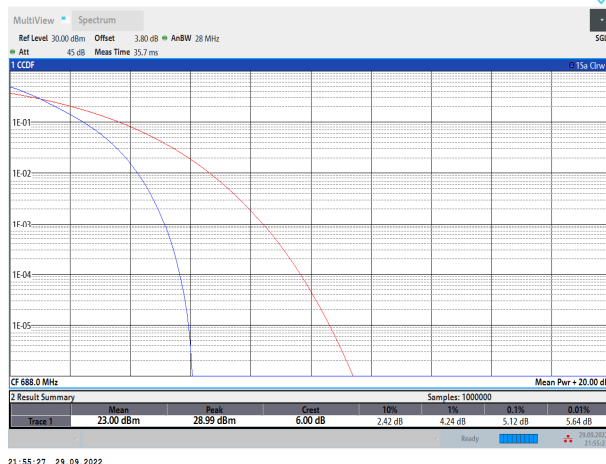
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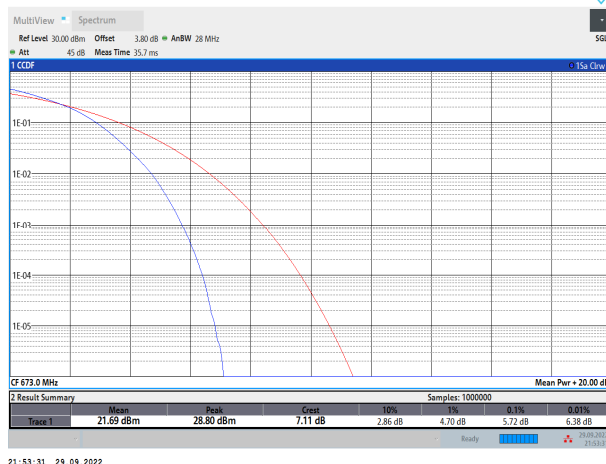
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Page: 11 of 62

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



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



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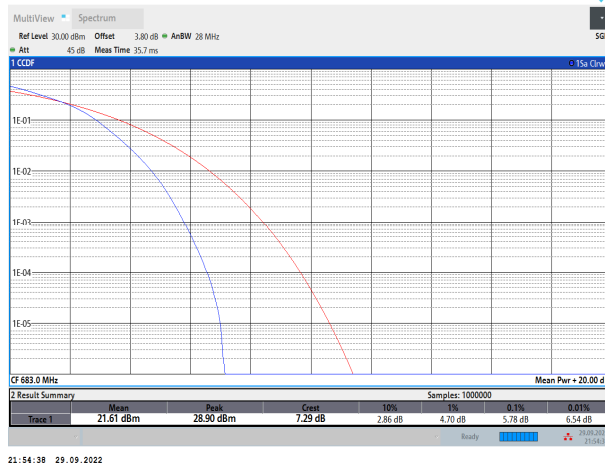
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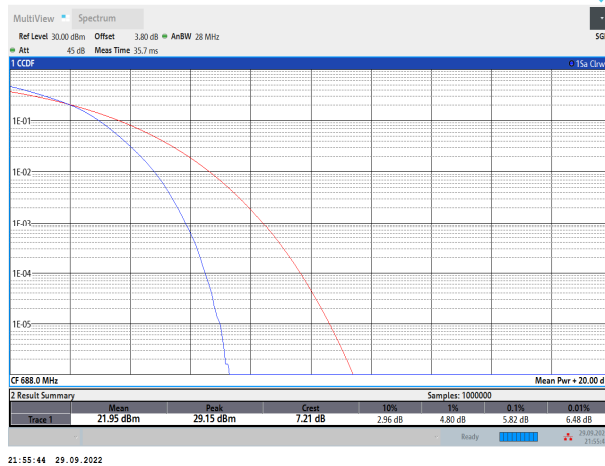
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Band71-20MHz-16QAM-133322-100RB#0



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



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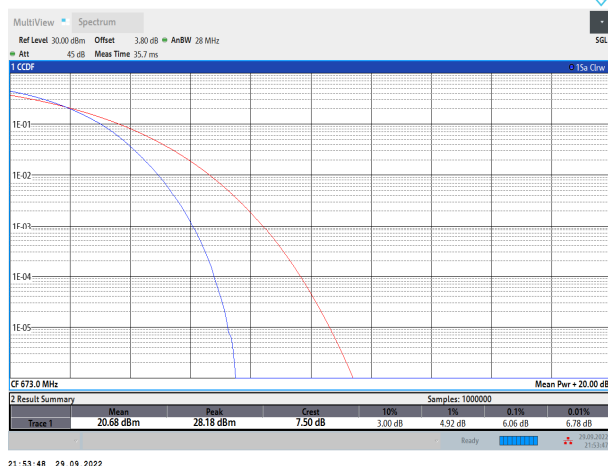
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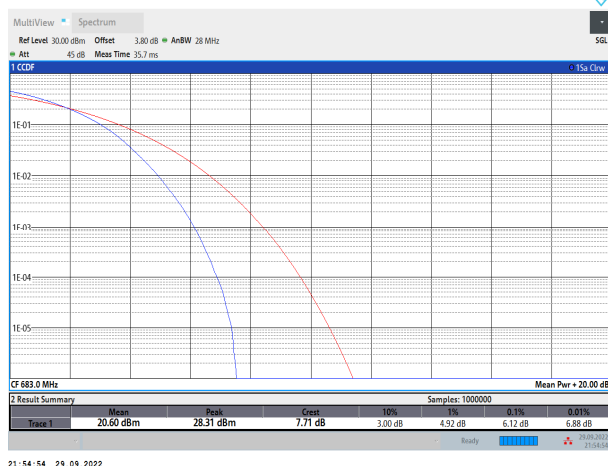
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Band71-20MHz-64QAM-133222-100RB#0



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



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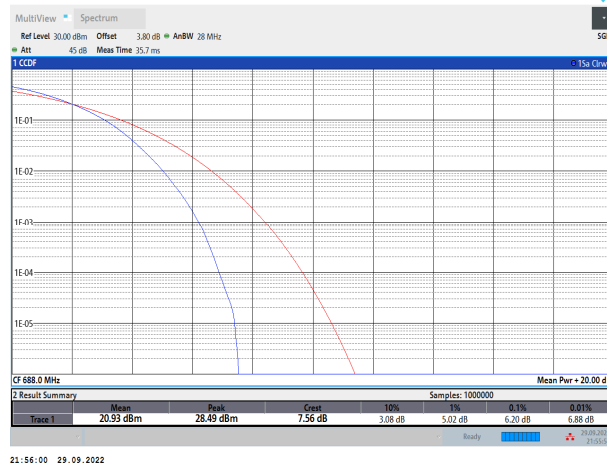
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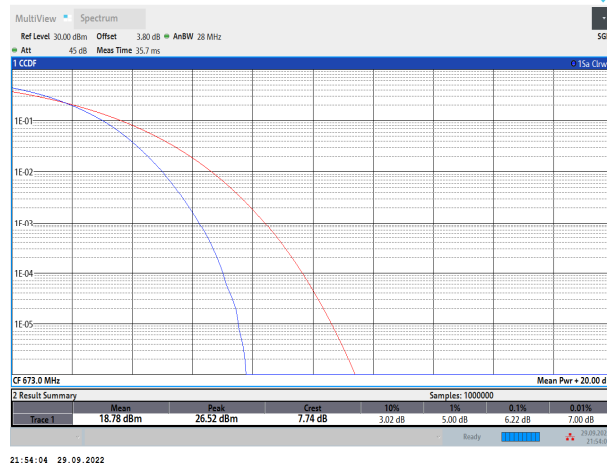
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Band71-20MHz-256QAM-133222-100RB#0



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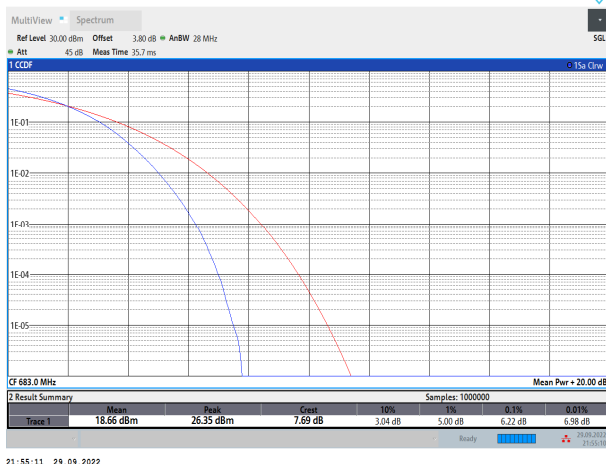
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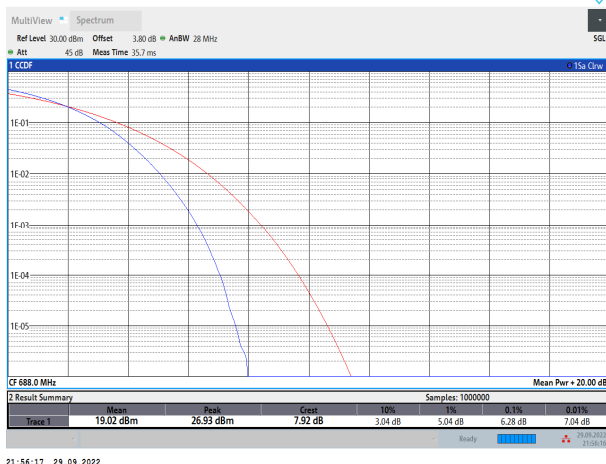
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Band71-20MHz-256QAM-133372-100RB#0



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 16 of 62

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



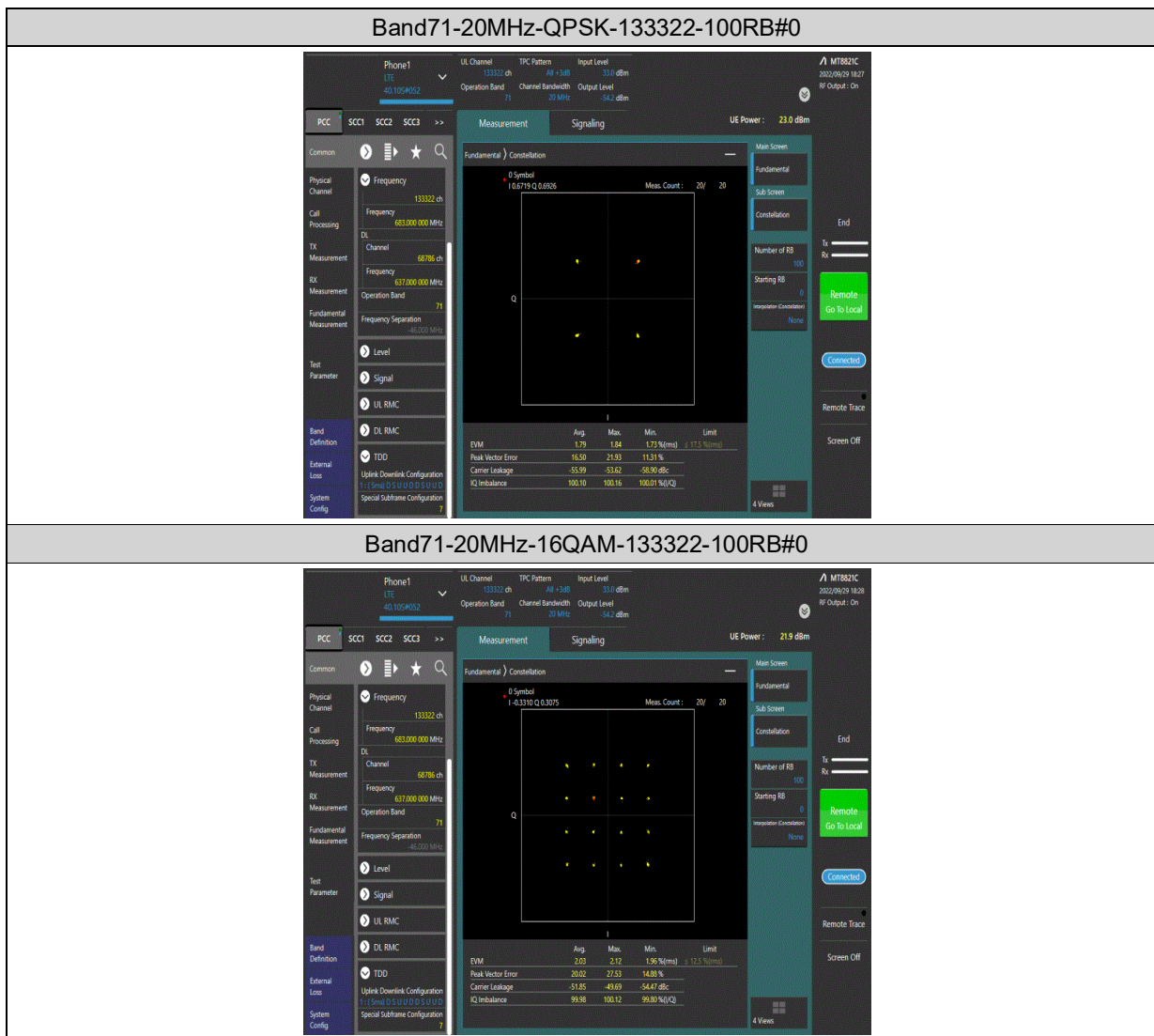
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Test Graphs



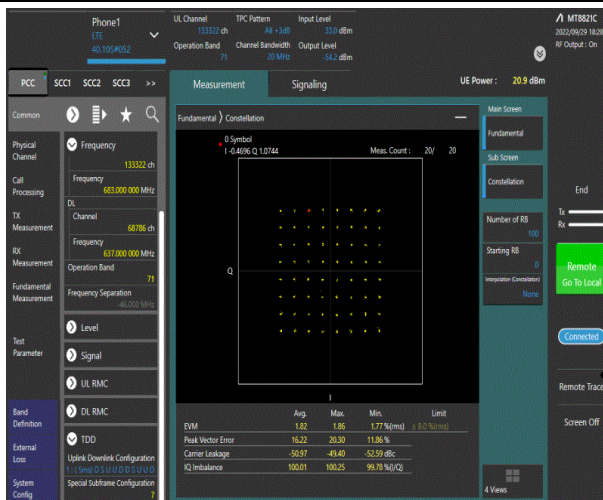
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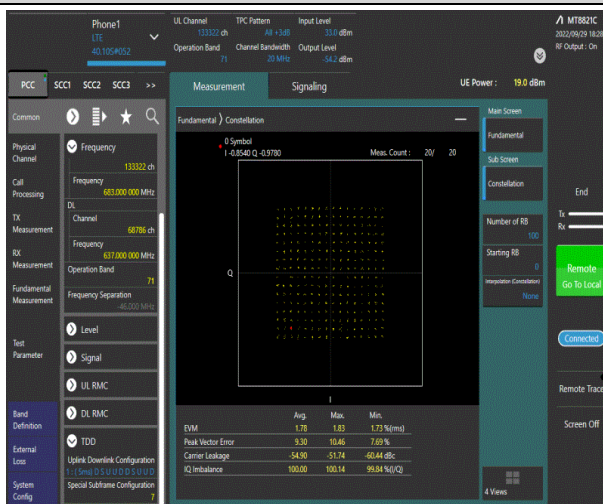
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Band71-20MHz-64QAM-133322-100RB#0



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	4.463	4.88	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.46	4.80	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.468	4.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.466	4.86	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.464	4.84	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.462	4.84	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.464	4.85	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.467	4.85	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.466	4.86	PASS
Band71	5MHz	256QAM	133147	25RB#0	4.461	4.83	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.469	4.83	PASS
Band71	5MHz	256QAM	133447	25RB#0	4.461	4.80	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.923	9.66	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.927	9.54	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.936	9.58	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.922	9.62	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.918	9.62	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.919	9.62	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.93	9.60	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.926	9.60	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.94	9.72	PASS
Band71	10MHz	256QAM	133172	50RB#0	8.927	9.60	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.911	9.52	PASS
Band71	10MHz	256QAM	133422	50RB#0	8.931	9.58	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.475	14.67	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.427	14.70	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.482	14.82	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.491	14.73	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.42	14.67	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.496	14.73	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.465	14.82	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 20 of 62

Band71	15MHz	64QAM	133297	75RB#0	13.409	14.70	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.49	14.79	PASS
Band71	15MHz	256QAM	133197	75RB#0	13.443	14.61	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.405	14.58	PASS
Band71	15MHz	256QAM	133397	75RB#0	13.487	14.64	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.869	19.36	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.869	19.32	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.927	19.40	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.883	19.24	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.862	19.20	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.923	19.28	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.879	19.32	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.854	19.28	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.93	19.32	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.878	19.32	PASS
Band71	20MHz	256QAM	133322	100RB#0	17.859	19.28	PASS
Band71	20MHz	256QAM	133372	100RB#0	17.934	19.40	PASS



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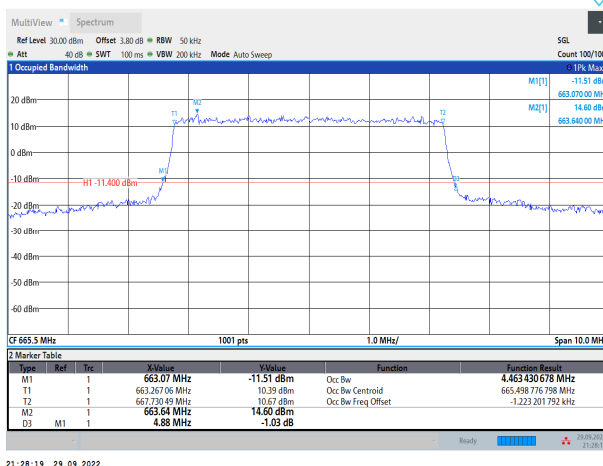
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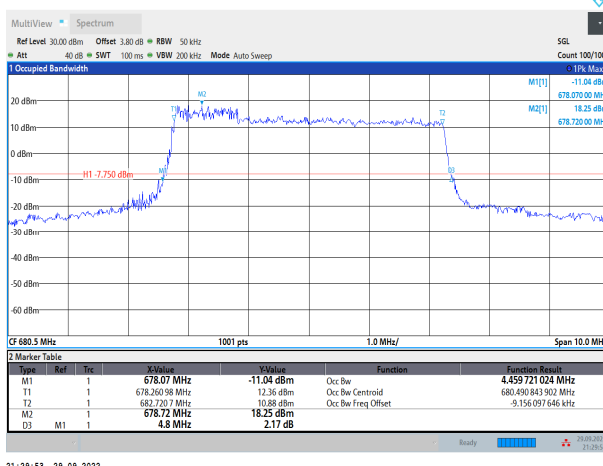
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Test Graphs

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



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



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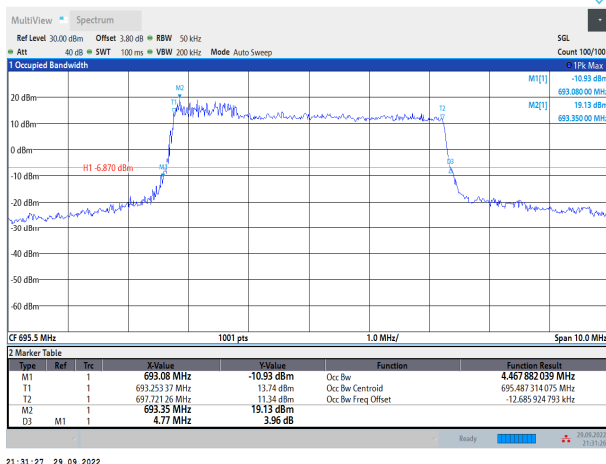
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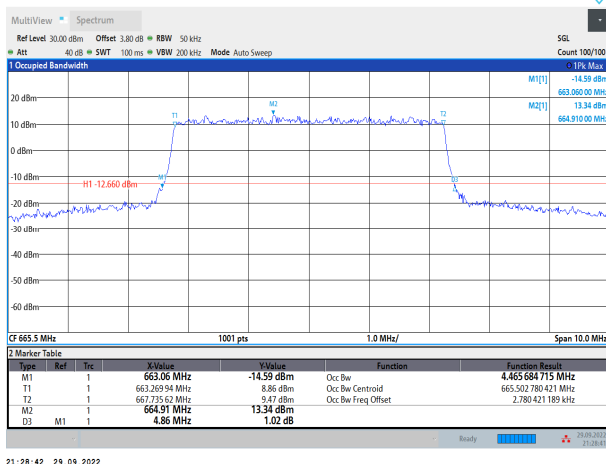
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Page: 22 of 62

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



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

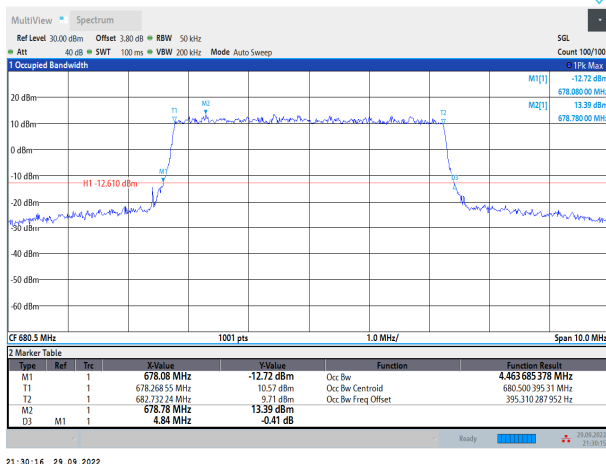


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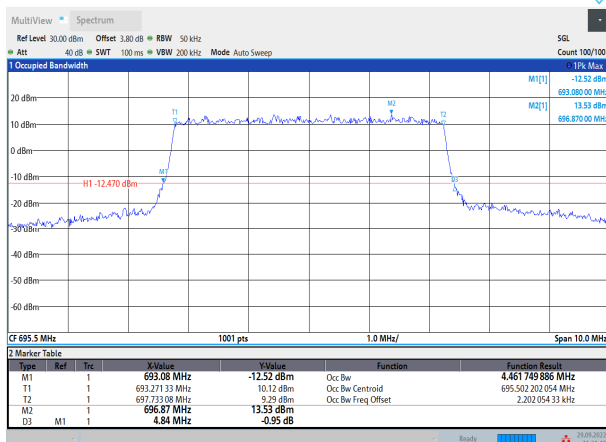
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Band71-5MHz-16QAM-133297-25RB#0



21:30:16 29.09.2022

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



21:31:50 29.09.2022



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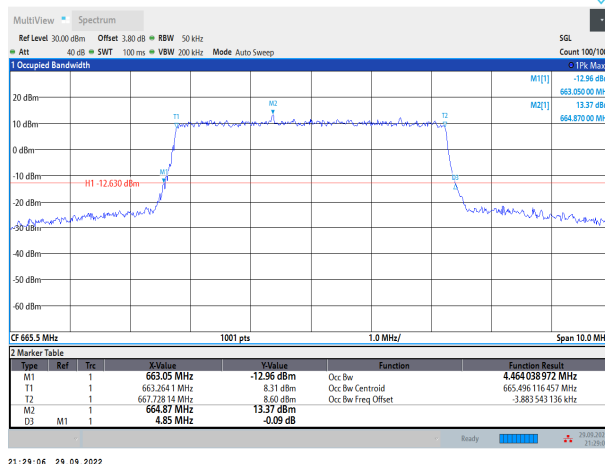
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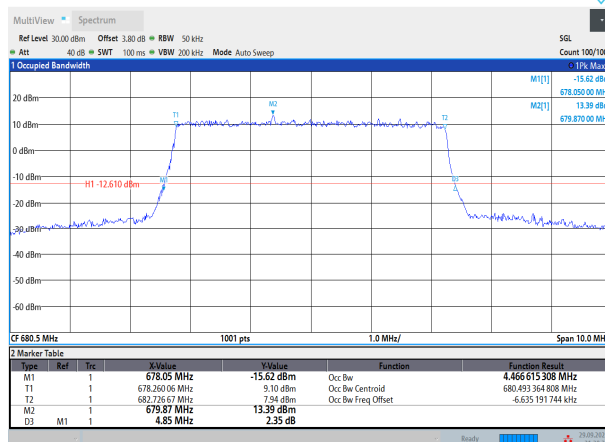
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Band71-5MHz-64QAM-133147-25RB#0



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



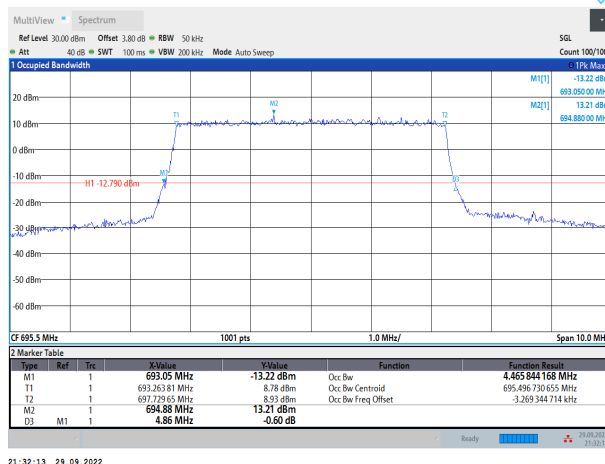
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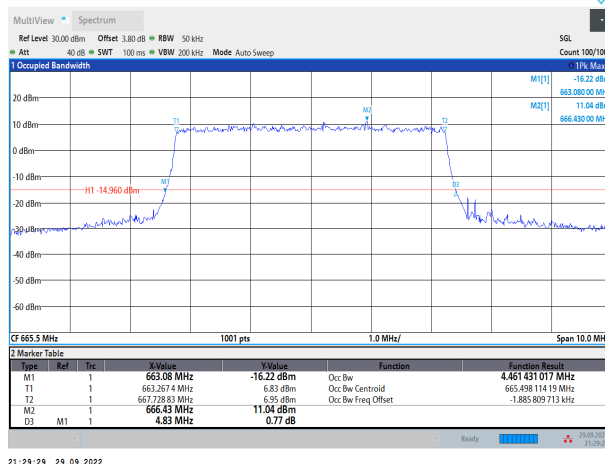
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Band71-5MHz-64QAM-133447-25RB#0



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

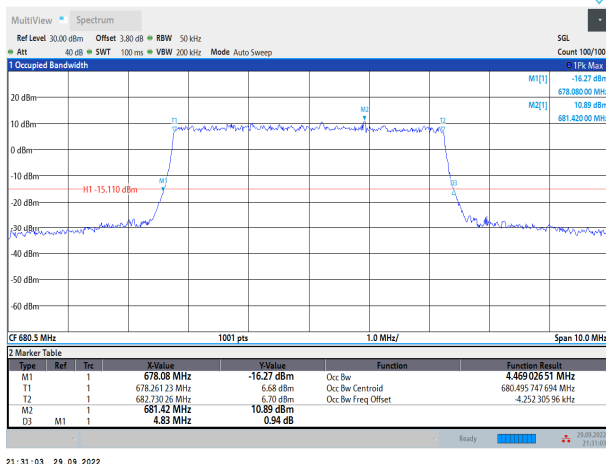


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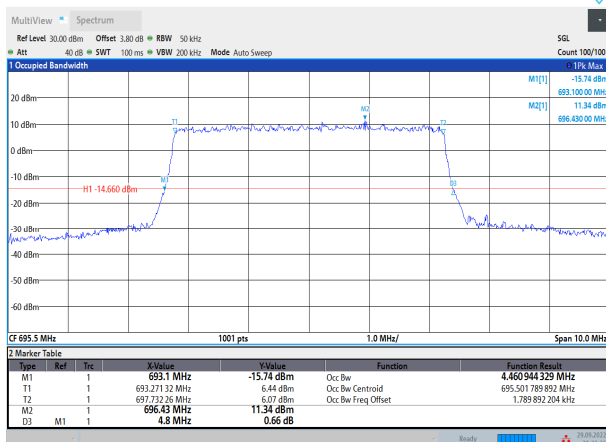
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Band71-5MHz-256QAM-133297-25RB#0



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



21:32:37 29.09.2022



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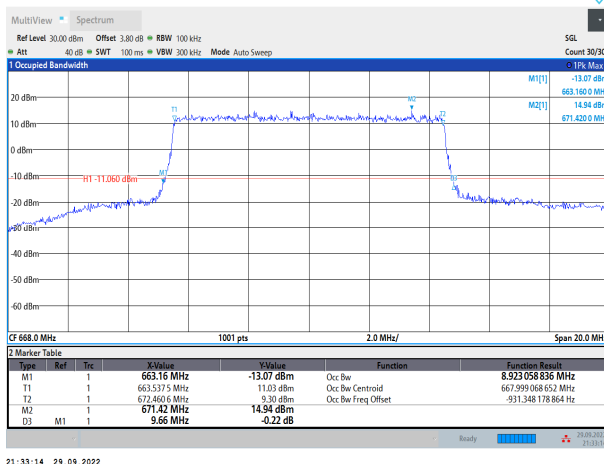
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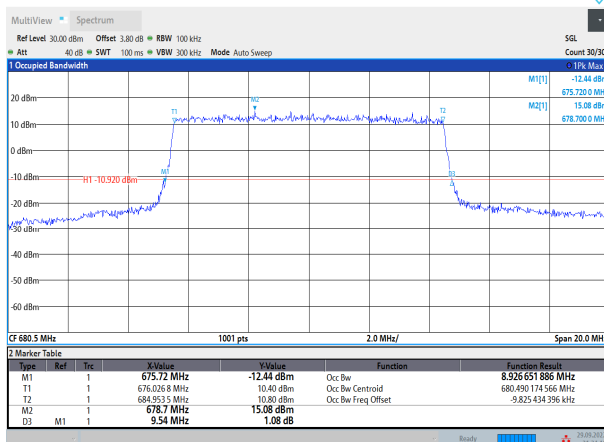
Page: 27 of 62

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



21:33:14 29.09.2022

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



21:34:19 29.09.2022



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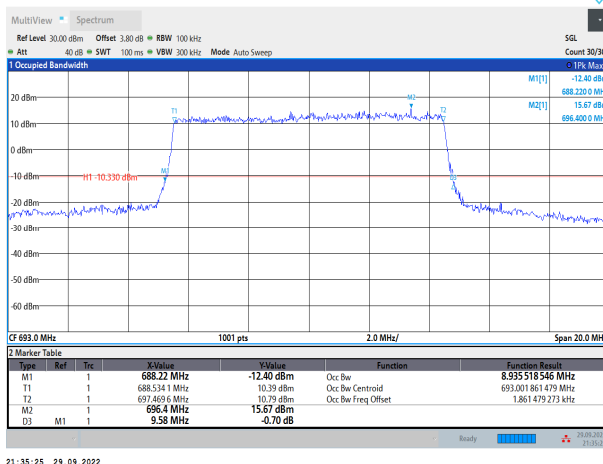
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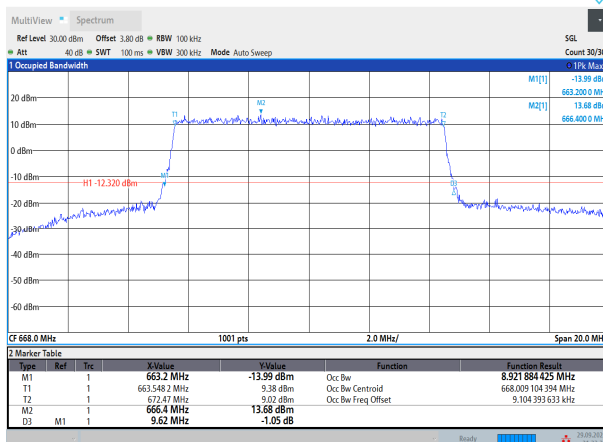
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Band71-10MHz-QPSK-133422-50RB#0



21:35:25 29.09.2022

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



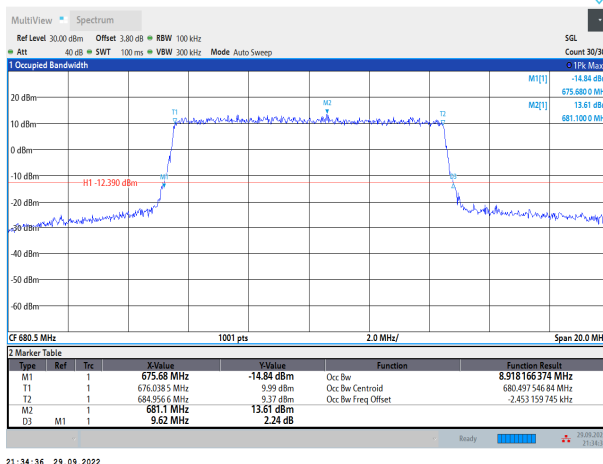
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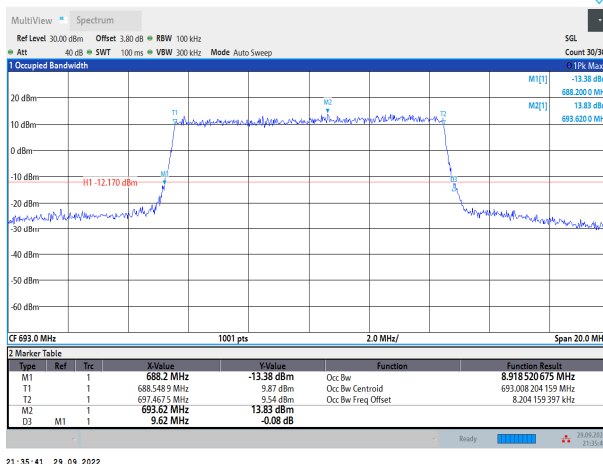
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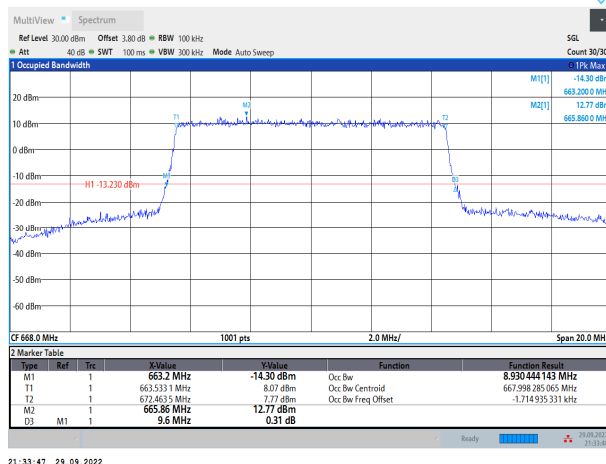
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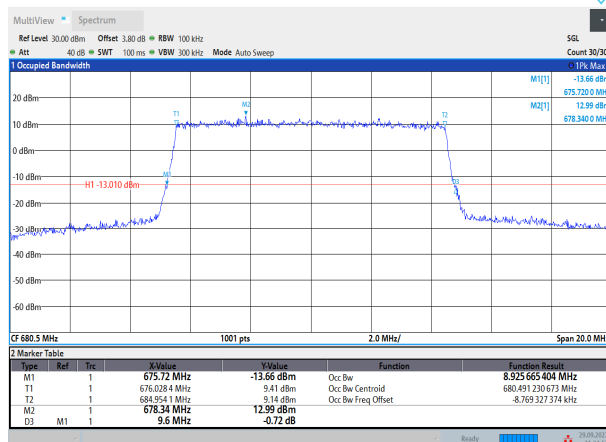
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Band71-10MHz-64QAM-133172-50RB#0



21:33:47 29.09.2022

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



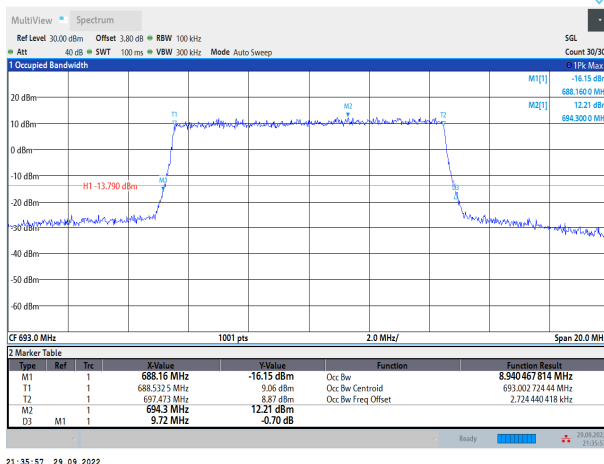
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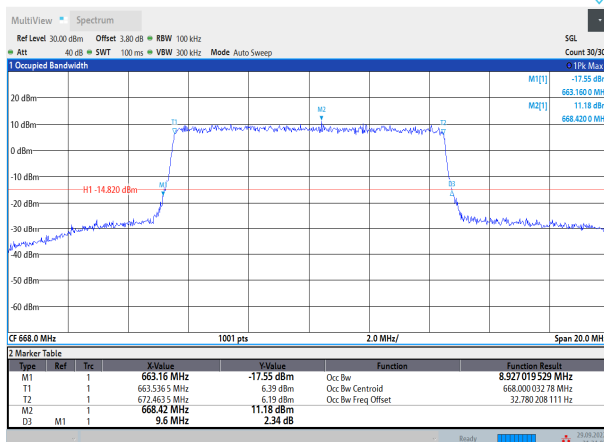
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Band71-10MHz-64QAM-133422-50RB#0



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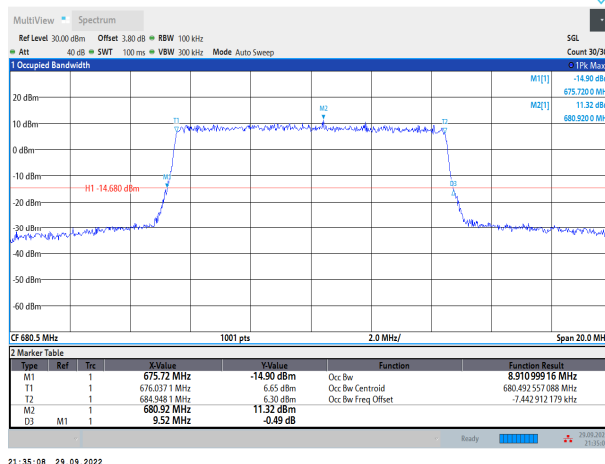
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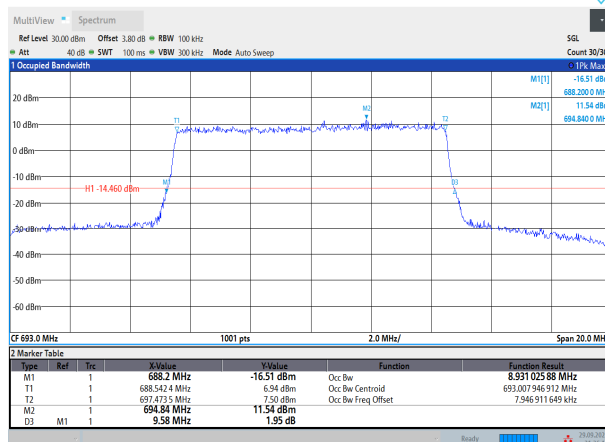
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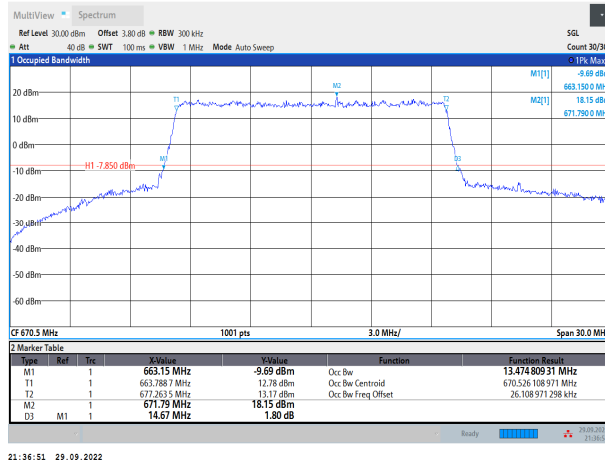
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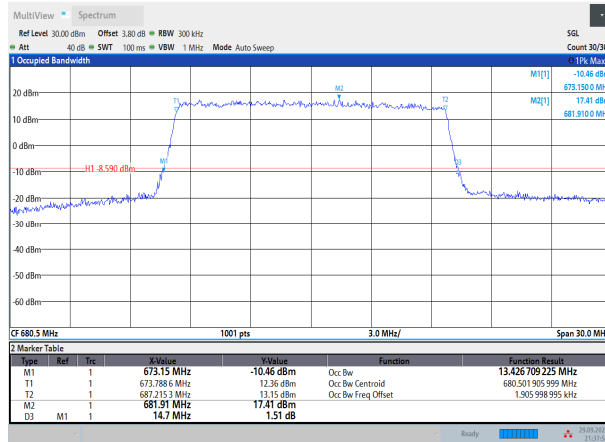
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Band71-15MHz-QPSK-133197-75RB#0



21:36:51 29.09.2022

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



21:37:56 29.09.2022



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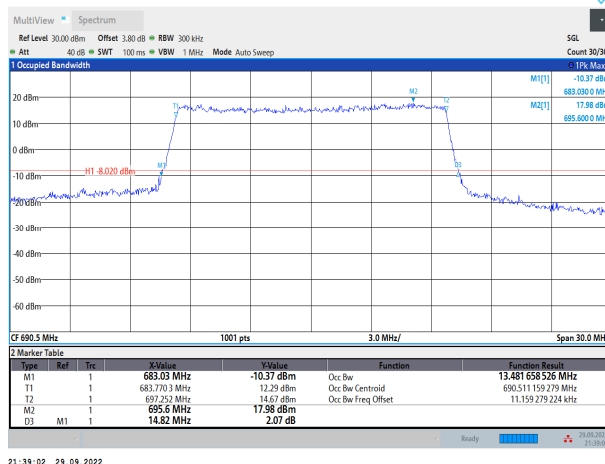
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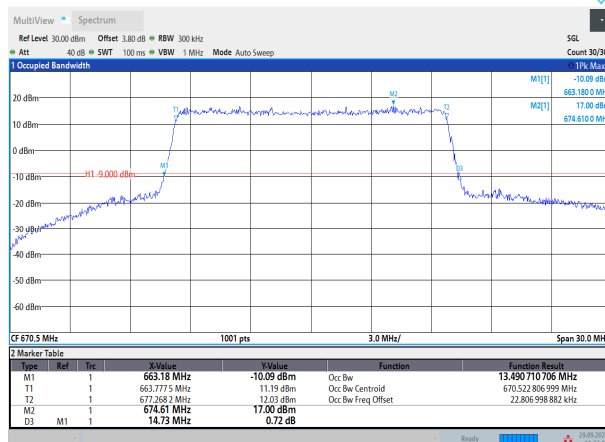
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Band71-15MHz-QPSK-133397-75RB#0



21:39:02 29.09.2022

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



21:37:07 29.09.2022



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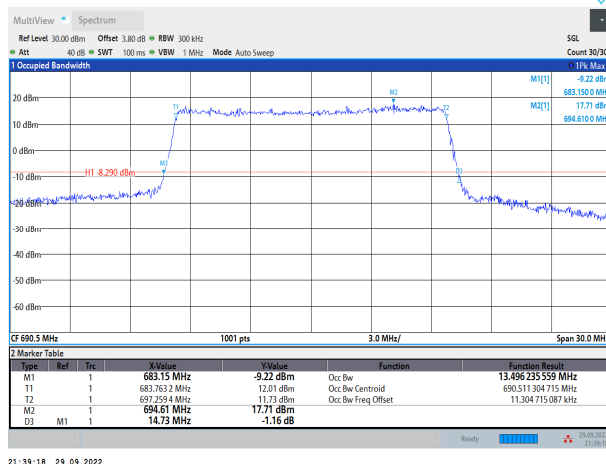
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Page: 35 of 62

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



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

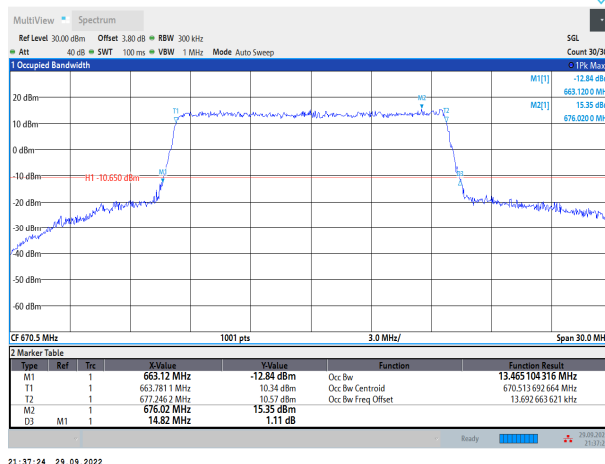


Report No.: SEWM2210000205RG01

Rev.: 01

Page: 36 of 62

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



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



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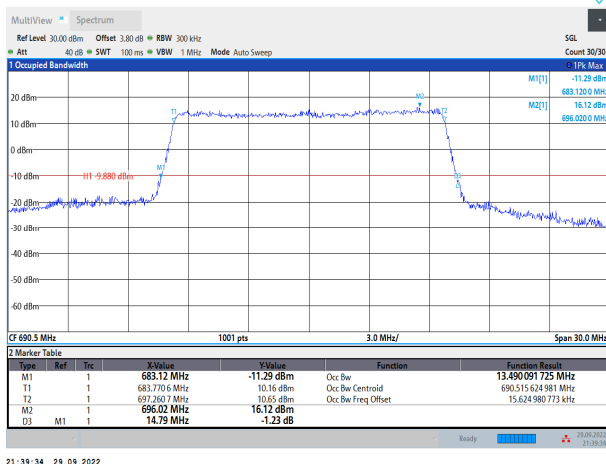
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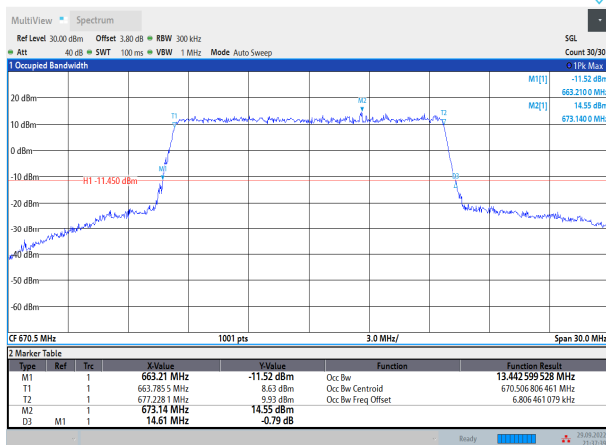
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Band71-15MHz-64QAM-133397-75RB#0



21:39:34 29.09.2022

Band71-15MHz-256QAM-133197-75RB#0



21:37:40 29.09.2022



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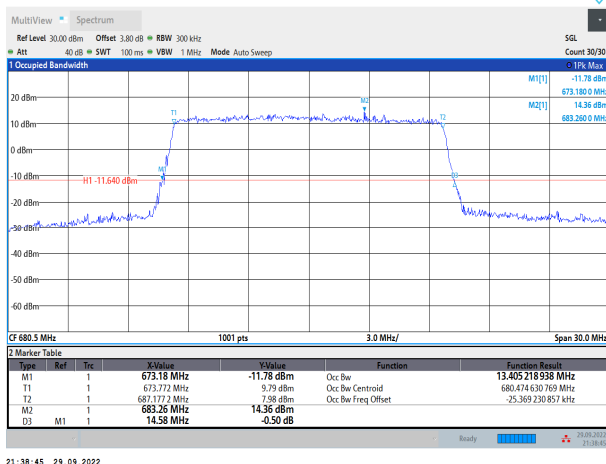
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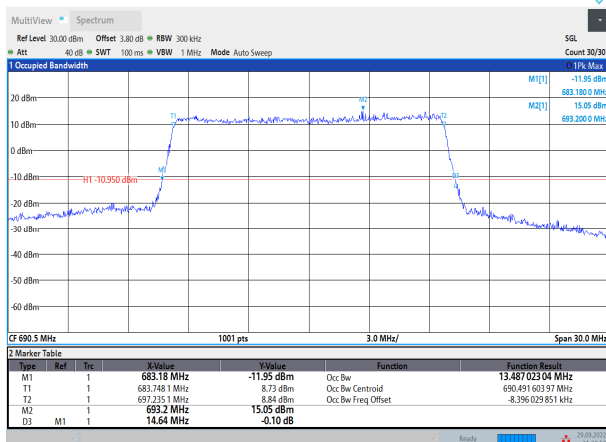
Page: 38 of 62

Band71-15MHz-256QAM-133297-75RB#0



21:39:45 29.09.2022

Band71-15MHz-256QAM-133397-75RB#0



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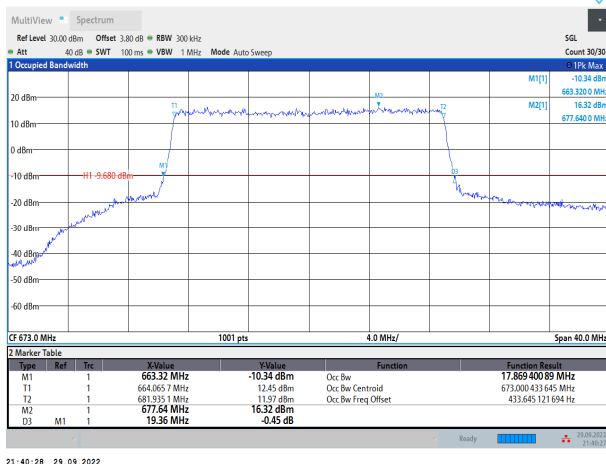
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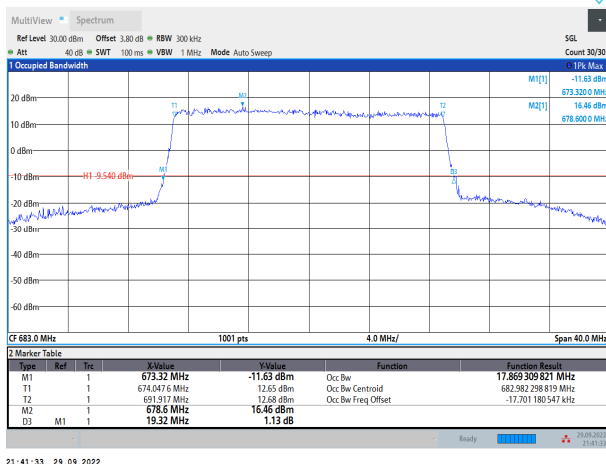
Page: 39 of 62

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



21:40:28 29.09.2022

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



21:41:33 29.09.2022



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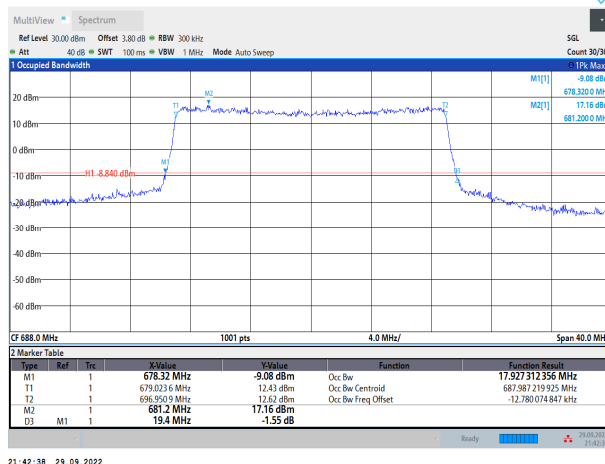
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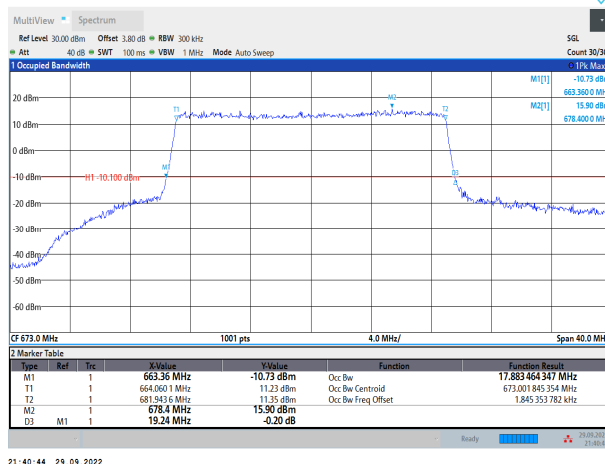
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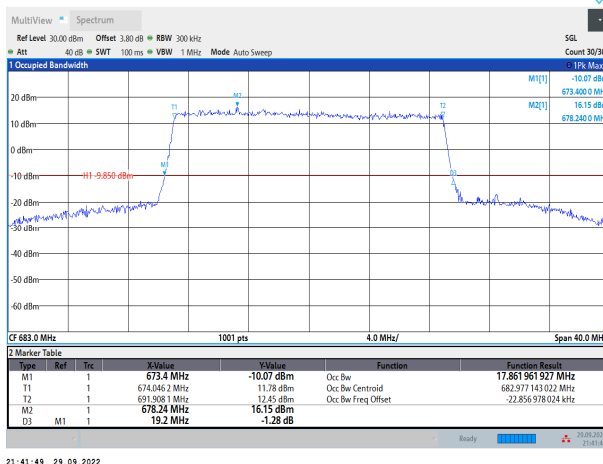
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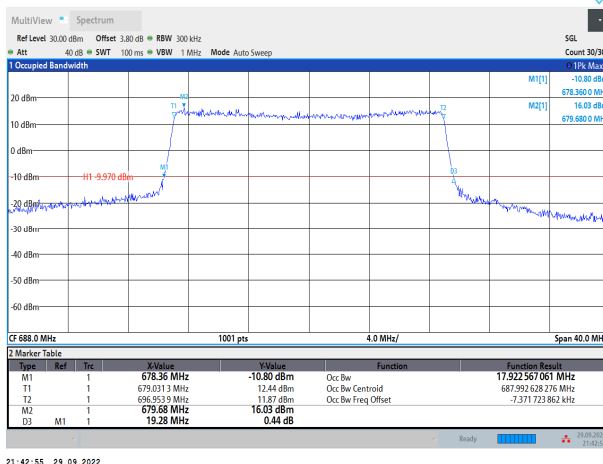
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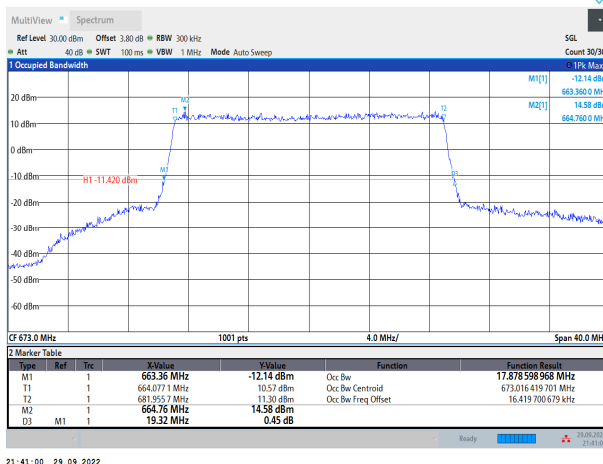
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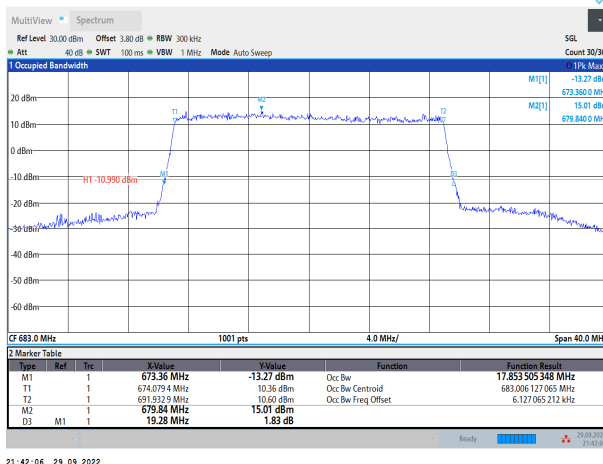
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Page: 42 of 62

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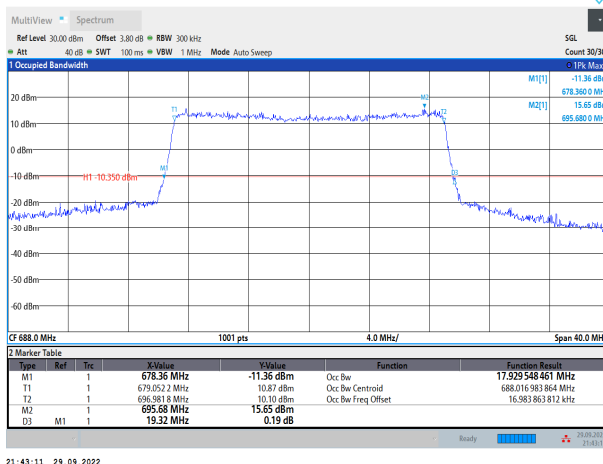


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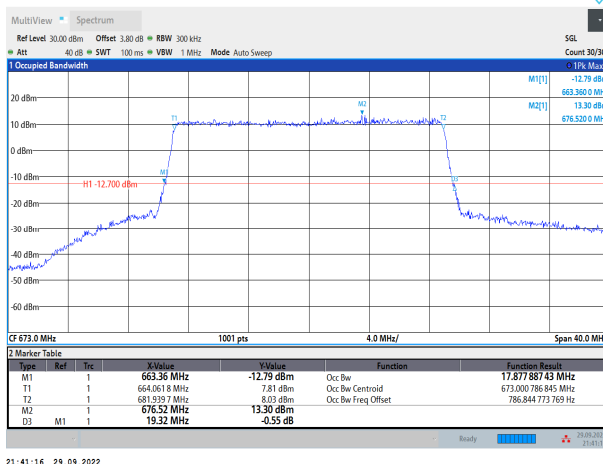
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Page: 43 of 62

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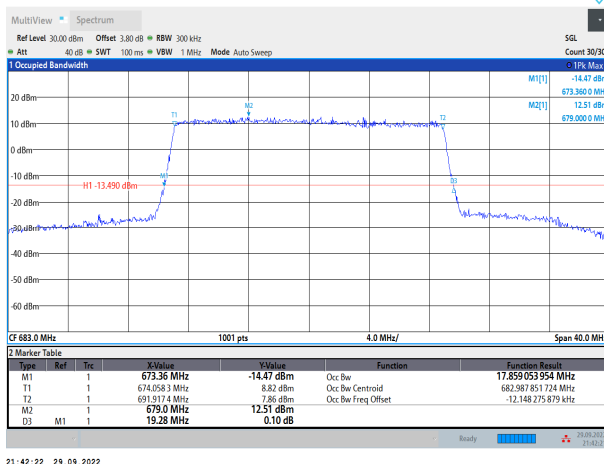
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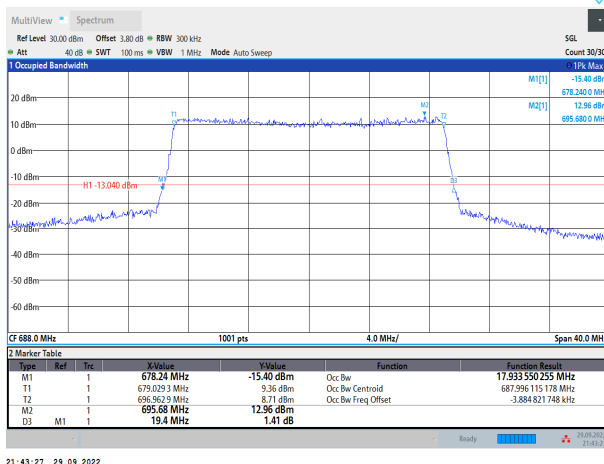
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Page: 44 of 62

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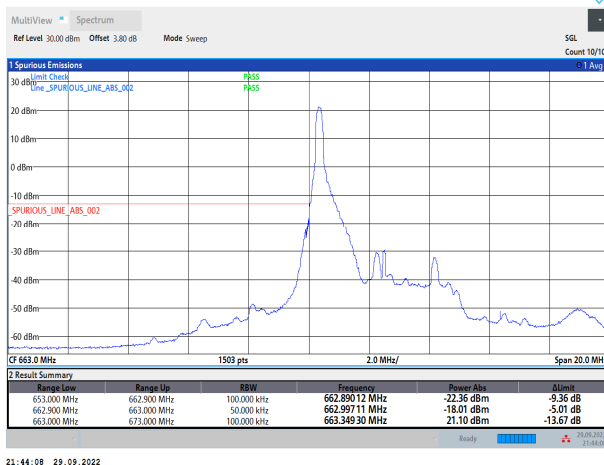
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Page: 45 of 62

Band Edge

Test Graphs

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



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



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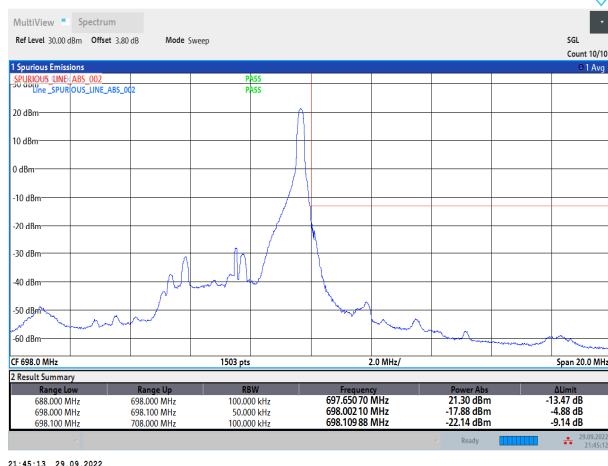
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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 46 of 62

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



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



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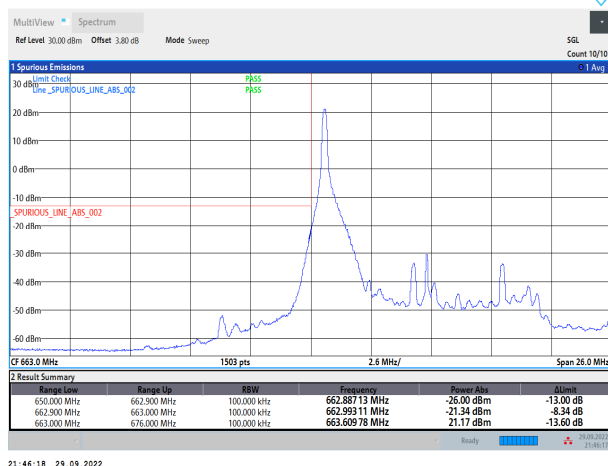
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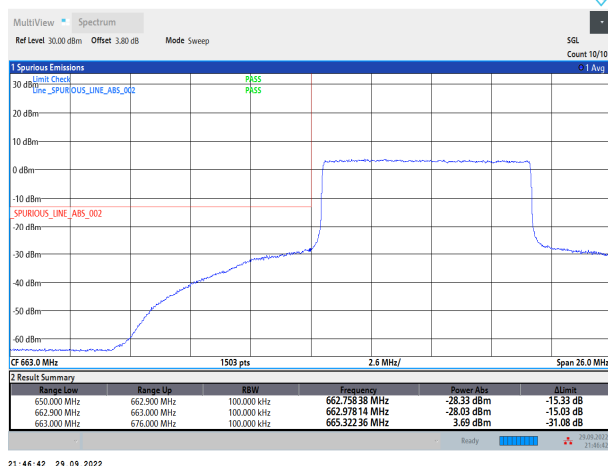
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Band71-10MHz-QPSK-133172-1RB#0



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



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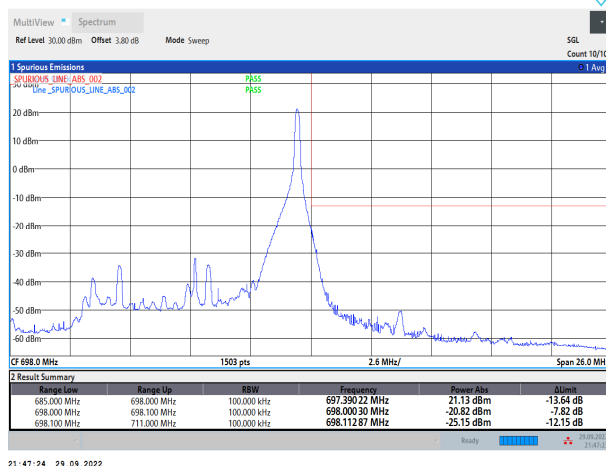
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Rev.: 01

Page: 48 of 62

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



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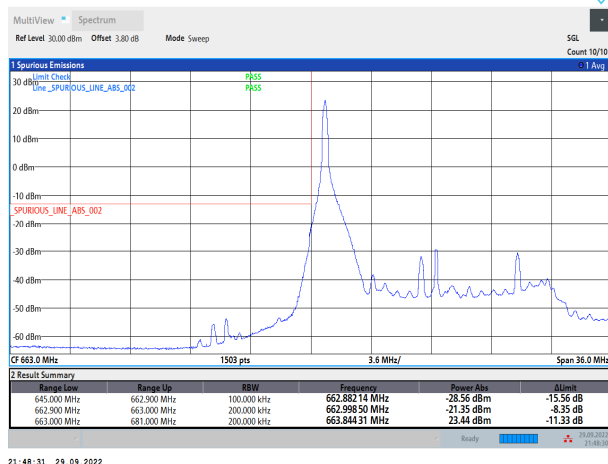
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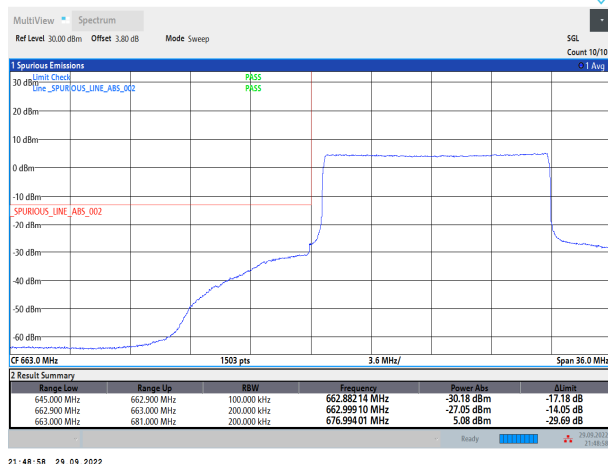
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Band71-15MHz-QPSK-133197-1RB#0



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



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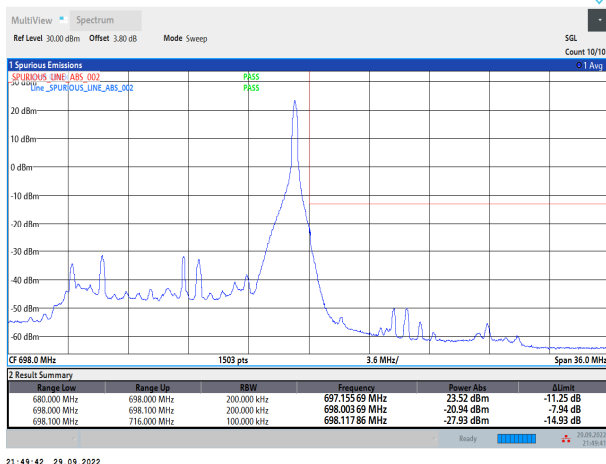
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Page: 50 of 62

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



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



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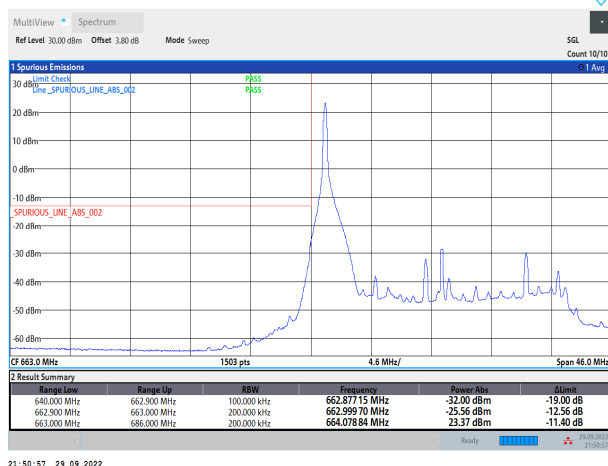
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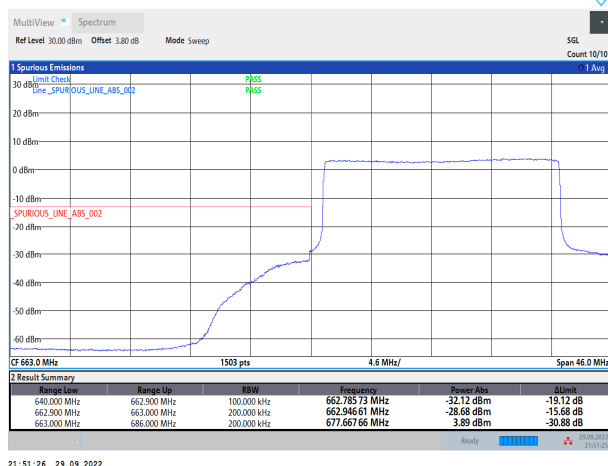
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Band71-20MHz-QPSK-133222-1RB#0



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



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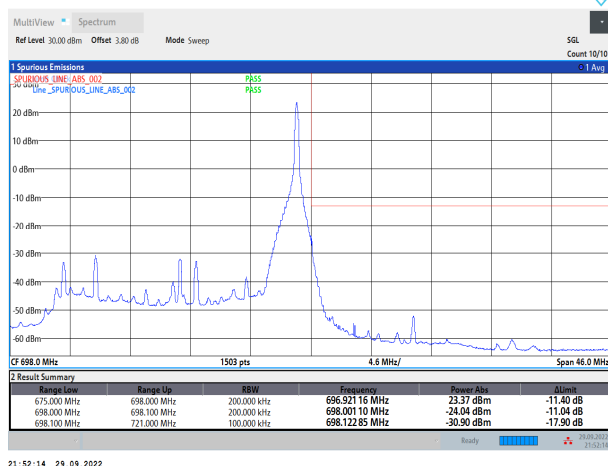
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Rev.: 01

Page: 52 of 62

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



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



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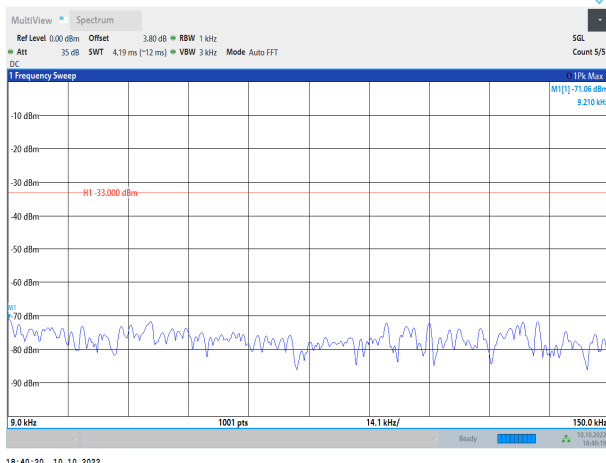
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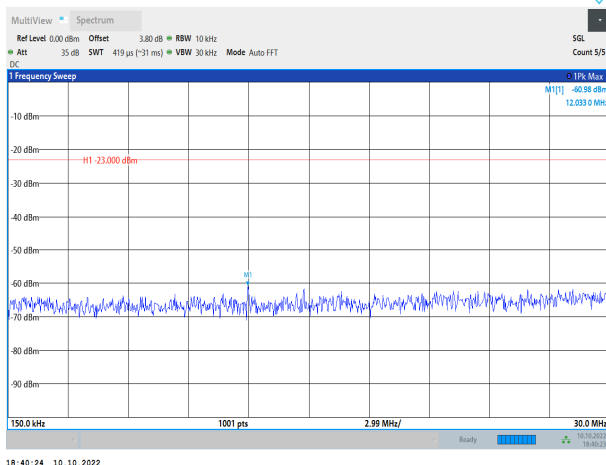
Conducted Spurious Emission

Test Graphs

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



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



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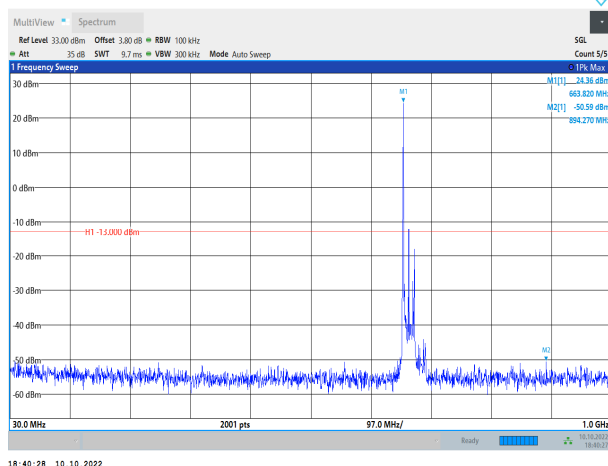
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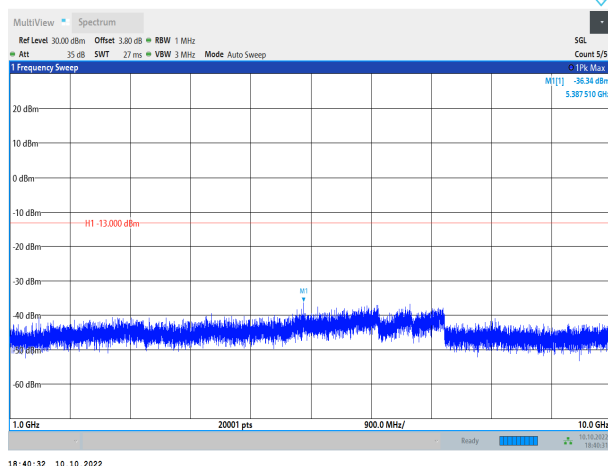
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Page: 54 of 62

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



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



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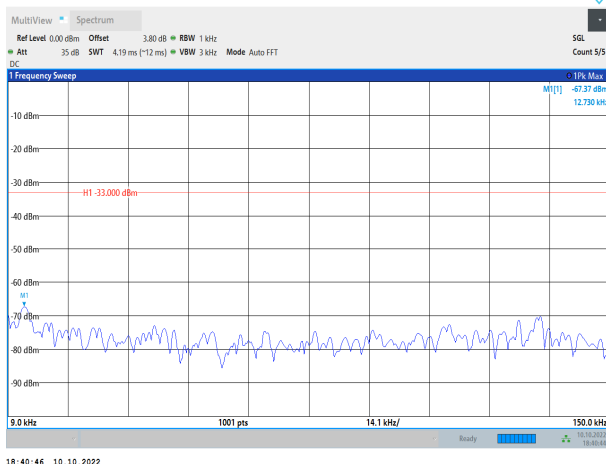
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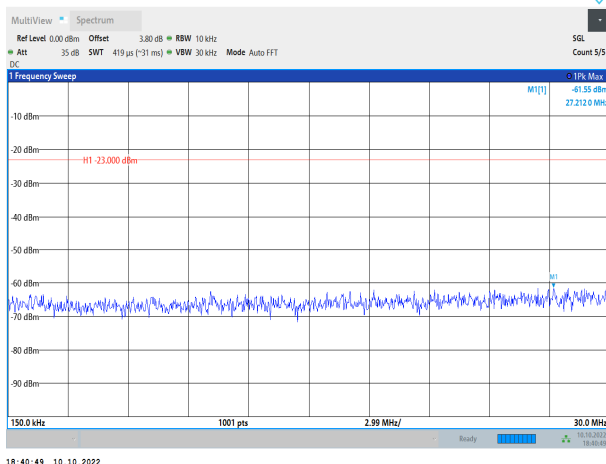
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Page: 55 of 62

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



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



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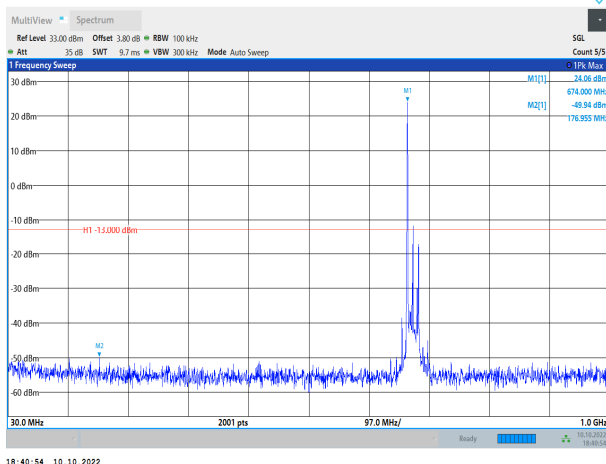
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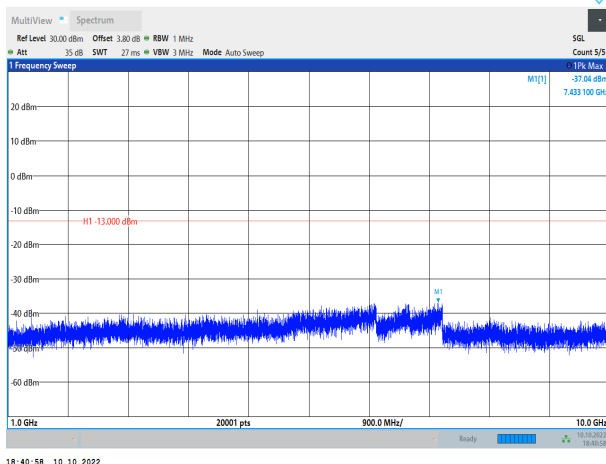
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Page: 56 of 62

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



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



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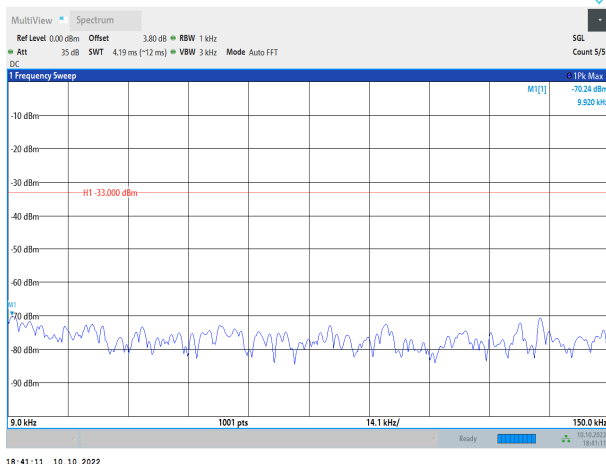
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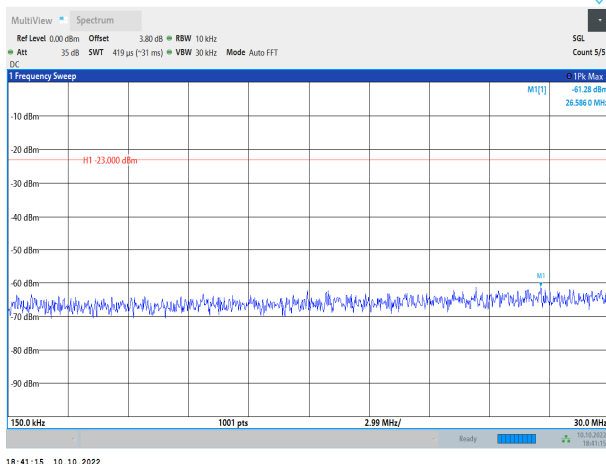
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Page: 57 of 62

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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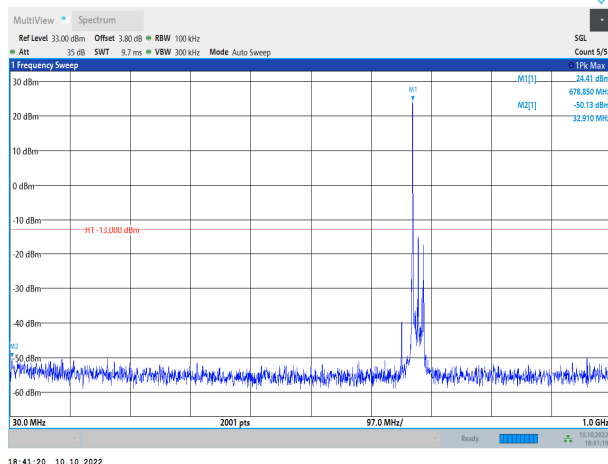
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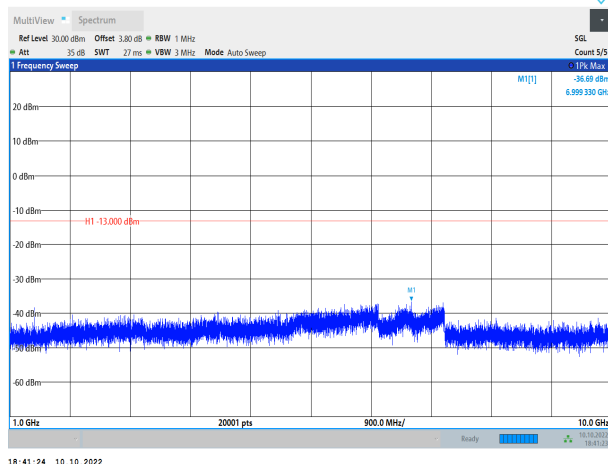
Rev.: 01

Page: 58 of 62

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



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



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 59 of 62

Field Strength of Spurious Radiation**Test Band = LTE Band71_ 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	51.86	-48.09	25.61	-65.88	-13.00	52.88	265	20	Horizontal
2	1992.2700	50.21	-47.91	26.59	-66.37	-13.00	53.37	142	294	Horizontal
3	2656.3600	49.42	-47.00	28.21	-64.63	-13.00	51.63	132	62	Horizontal
4	3320.4500	49.02	-46.65	29.53	-63.36	-13.00	50.36	122	337	Horizontal
5	3984.5400	50.05	-46.20	30.76	-60.65	-13.00	47.65	168	104	Horizontal
6	4648.6300	46.50	-45.79	31.86	-62.70	-13.00	49.70	152	212	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	50.20	-48.09	25.61	-67.54	-13.00	54.54	266	298	Vertical
2	1992.2700	49.52	-47.91	26.59	-67.06	-13.00	54.06	125	236	Vertical
3	2656.3600	49.79	-47.00	28.21	-64.26	-13.00	51.26	145	214	Vertical
4	3320.4500	50.30	-46.65	29.53	-62.08	-13.00	49.08	132	340	Vertical
5	3984.5400	49.82	-46.20	30.76	-60.88	-13.00	47.88	158	214	Vertical
6	4648.6300	46.76	-45.79	31.86	-62.44	-13.00	49.44	196	214	Vertical



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Report No.: SEWM2210000205RG01
 Rev.: 01
 Page: 60 of 62

Test Band = LTE Band71_ 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	51.01	-48.07	25.61	-66.71	-13.00	53.71	126	190	Horizontal
2	2022.2700	50.52	-47.86	26.72	-65.88	-13.00	52.88	251	360	Horizontal
3	2696.3600	51.98	-47.05	28.28	-62.04	-13.00	49.04	144	128	Horizontal
4	3370.4500	50.32	-46.58	29.47	-62.05	-13.00	49.05	158	190	Horizontal
5	4044.5400	47.23	-46.07	30.87	-63.23	-13.00	50.23	192	106	Horizontal
6	4718.6300	47.07	-45.77	32.07	-61.89	-13.00	48.89	103	299	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	50.02	-48.07	25.61	-67.70	-13.00	54.70	211	7	Vertical
2	2022.2700	50.02	-47.86	26.72	-66.38	-13.00	53.38	145	148	Vertical
3	2696.3600	49.84	-47.05	28.28	-64.18	-13.00	51.18	126	64	Vertical
4	3370.4500	48.40	-46.58	29.47	-63.97	-13.00	50.97	236	297	Vertical
5	4044.5400	48.37	-46.07	30.87	-62.09	-13.00	49.09	255	254	Vertical
6	4718.6300	47.38	-45.77	32.07	-61.58	-13.00	48.58	199	0	Vertical



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 61 of 62

Test Band = LTE Band71_ 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	51.77	-48.05	25.61	-65.93	-13.00	52.93	214	212	Horizontal
2	2037.2700	50.02	-47.83	26.77	-66.30	-13.00	53.30	125	170	Horizontal
3	2716.3600	51.99	-47.03	28.32	-61.98	-13.00	48.98	236	170	Horizontal
4	3395.4500	50.23	-46.55	29.44	-62.14	-13.00	49.14	215	127	Horizontal
5	4074.5400	47.69	-45.98	30.91	-62.63	-13.00	49.63	185	42	Horizontal
6	4753.6300	47.65	-45.71	32.18	-61.14	-13.00	48.14	147	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	1358.1800	50.93	-48.05	25.61	-66.77	-13.00	53.77	263	44	Vertical
2	2037.2700	50.34	-47.83	26.77	-65.98	-13.00	52.98	215	340	Vertical
3	2716.3600	49.87	-47.03	28.32	-64.10	-13.00	51.10	222	0	Vertical
4	3395.4500	49.65	-46.55	29.44	-62.72	-13.00	49.72	230	318	Vertical
5	4074.5400	48.29	-45.98	30.91	-62.03	-13.00	49.03	210	85	Vertical
6	4753.6300	46.58	-45.71	32.18	-62.21	-13.00	49.21	180	234	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamp (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 62 of 62

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	0.20	0.000293	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-3.60	-0.005271	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-3.20	-0.004685	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-3.50	-0.005124	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-2.80	-0.004100	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	1.20	0.001757	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	0.50	0.000732	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	1.30	0.001903	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-1.00	-0.001464	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-0.30	-0.000439	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-0.90	-0.001318	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-0.80	-0.001171	PASS

---End of Attachment---



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