

Report No.: SEWM2308000313RG01
Rev.: 01
Page: 1 of 42

Appendix B.14

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.43	19.58	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.51	19.66	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.41	19.56	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.6	18.75	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.6	19.75	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.56	19.71	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.5	19.65	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.51	18.66	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.48	19.63	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.48	19.63	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.45	19.6	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.44	18.59	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.63	18.78	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.63	18.78	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.65	18.8	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.56	17.71	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.66	18.81	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.67	18.82	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.59	18.74	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.52	17.67	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.58	18.73	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.57	18.72	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.56	18.71	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.51	17.66	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.67	17.82	34.77	PASS



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Report No.: SEWM2308000313RG01

Rev.: 01

Page: 3 of 42

Band71	5MHz	64QAM	133147	1RB#12	22.77	17.92	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.79	17.94	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.56	16.71	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.64	17.79	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.7	17.85	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.6	17.75	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.57	16.72	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.63	17.78	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.58	17.73	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.52	17.67	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.49	16.64	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.64	14.79	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.6	14.75	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.75	14.9	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.6	14.75	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	19.66	14.81	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.66	14.81	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	19.53	14.68	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.56	14.71	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	19.58	14.73	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	19.5	14.65	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	19.5	14.65	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	19.53	14.68	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.4	19.55	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.66	19.81	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.63	19.78	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.66	18.81	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.66	19.81	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.59	19.74	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.47	19.62	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.56	18.71	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.51	19.66	34.77	PASS



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Report No.: SEWM2308000313RG01

Rev.: 01

Page: 4 of 42

Band71	10MHz	QPSK	133422	1RB#24	24.43	19.58	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.48	19.63	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	23.46	18.61	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.72	18.87	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.8	18.95	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.75	18.9	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.64	17.79	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.66	18.81	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.73	18.88	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.62	18.77	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.52	17.67	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.6	18.75	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.55	18.7	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.53	18.68	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.45	17.6	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.73	17.88	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.76	17.91	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.79	17.94	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.63	16.78	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.7	17.85	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.75	17.9	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.68	17.83	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.56	16.71	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.61	17.76	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.51	17.66	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.58	17.73	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.47	16.62	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.7	14.85	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.78	14.93	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.76	14.91	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	19.66	14.81	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	19.68	14.83	34.77	PASS



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Rev.: 01

Page: 5 of 42

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Band71	10MHz	256QAM	133297	1RB#49	19.51	14.66	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	19.53	14.68	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	19.54	14.69	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	19.5	14.65	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	19.59	14.74	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	19.48	14.63	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.51	19.66	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.66	19.81	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.49	19.64	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.66	18.81	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.58	19.73	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.52	19.67	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.49	19.64	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.55	18.7	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.44	19.59	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.47	19.62	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.46	19.61	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.46	18.61	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.65	18.8	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.79	18.94	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.63	18.78	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.61	17.76	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.72	18.87	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.69	18.84	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.52	18.67	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.52	17.67	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.62	18.77	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.58	18.73	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.5	18.65	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.49	17.64	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.72	17.87	34.77	PASS



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Rev.: 01

Page: 6 of 42

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Band71	15MHz	64QAM	133197	1RB#74	22.66	17.81	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.59	16.74	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.79	17.94	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.76	17.91	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.65	17.8	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.56	16.71	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.58	17.73	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.52	17.67	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.55	17.7	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.4	16.55	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	19.68	14.83	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.72	14.87	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.62	14.77	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	19.64	14.79	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	19.75	14.9	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	19.66	14.81	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	19.58	14.73	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	19.59	14.74	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	19.55	14.7	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	19.53	14.68	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	19.5	14.65	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	19.44	14.59	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.48	19.63	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.6	19.75	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.47	19.62	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.56	18.71	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.61	19.76	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.53	19.68	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.57	19.72	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.52	18.67	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.5	19.65	34.77	PASS



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Report No.: SEWM2308000313RG01

Rev.: 01

Page: 7 of 42

Band71	20MHz	QPSK	133372	1RB#49	24.44	19.59	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.43	19.58	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.47	18.62	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.7	18.85	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.75	18.9	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.61	18.76	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.59	17.74	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.79	18.94	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.71	18.86	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.62	18.77	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.49	17.64	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.62	18.77	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.62	18.77	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.53	18.68	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.48	17.63	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.72	17.87	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.73	17.88	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.63	17.78	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.59	16.74	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.72	17.87	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.59	17.74	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.53	17.68	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.52	16.67	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.64	17.79	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.68	17.83	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.51	17.66	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.48	16.63	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.7	14.85	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	19.78	14.93	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.56	14.71	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.57	14.72	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	19.76	14.91	34.77	PASS



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Report No.: SEWM2308000313RG01

Rev.: 01

Page: 8 of 42

Band71	20MHz	256QAM	133322	1RB#49	19.61	14.76	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19.52	14.67	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	19.52	14.67	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.65	14.8	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	19.57	14.72	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	19.48	14.63	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.48	14.63	34.77	PASS



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Report No.: SEWM2308000313RG01
Rev.: 01
Page: 9 of 42

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.16	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.16	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.20	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.90	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.92	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.00	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.28	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.40	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.30	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.50	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.50	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.52	13	PASS



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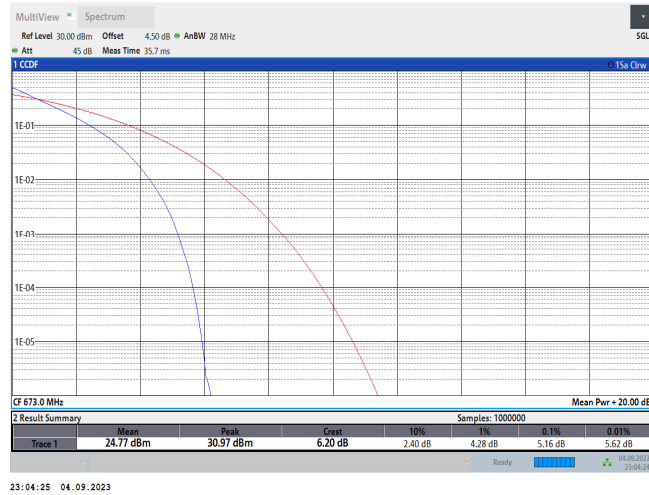
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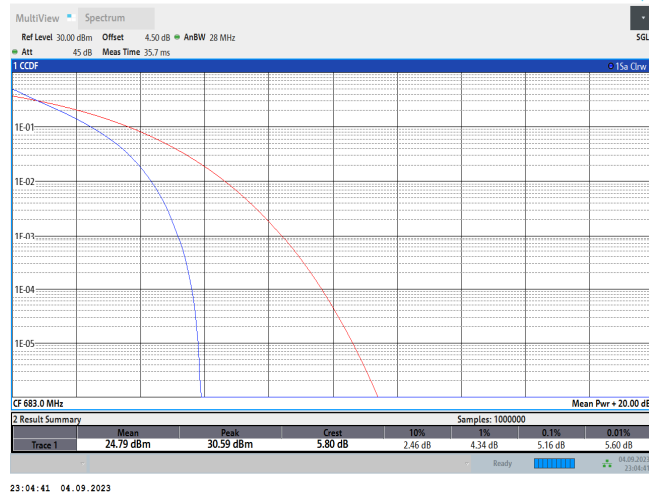
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Test Graphs

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



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



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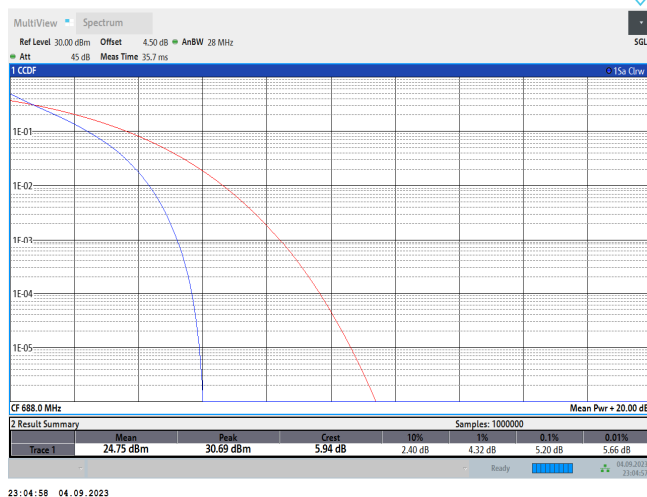
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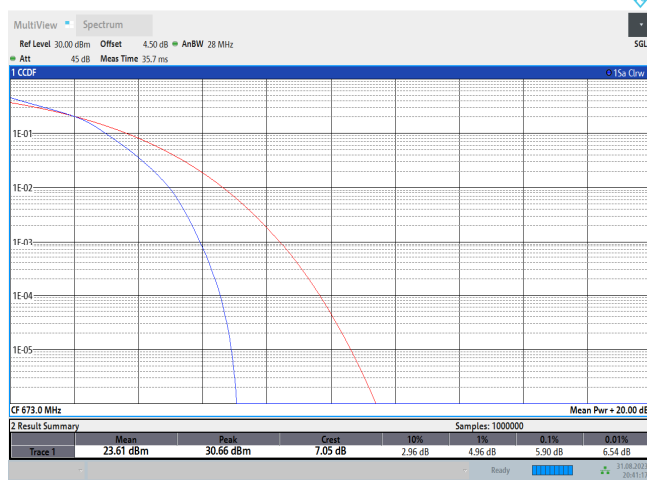
Page: 11 of 42

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



23:04:58 04.09.2023

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



20:41:18 31.08.2023



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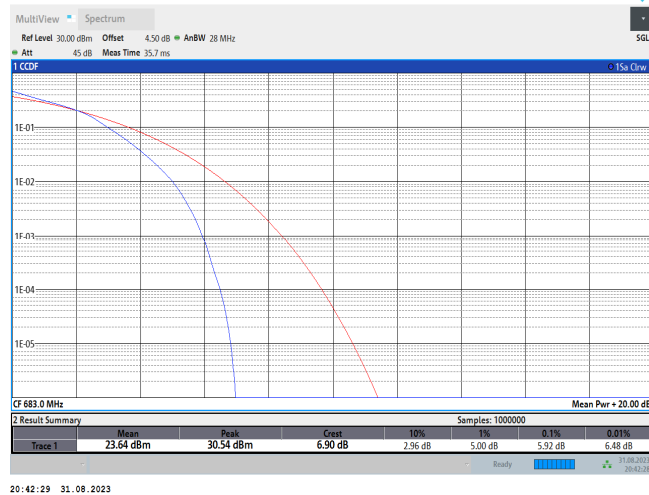
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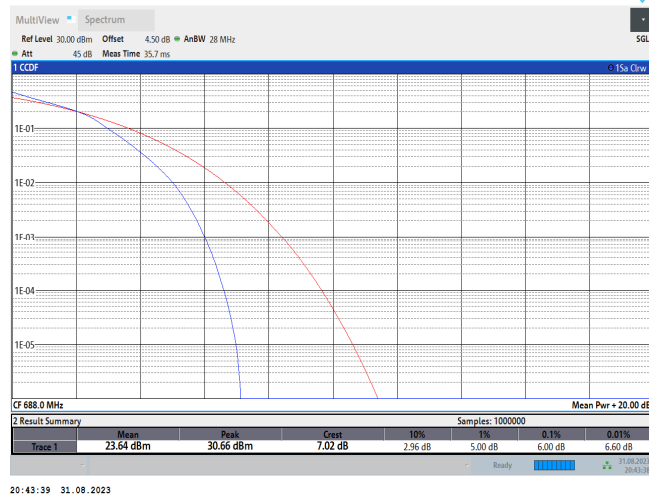
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Band71-20MHz-16QAM-133322-100RB#0



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



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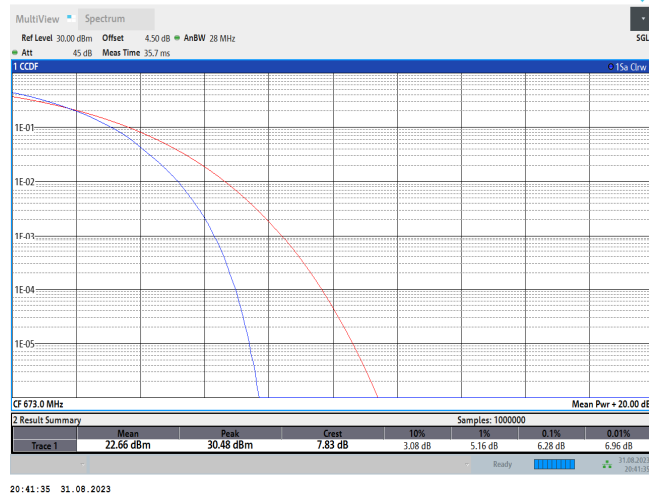
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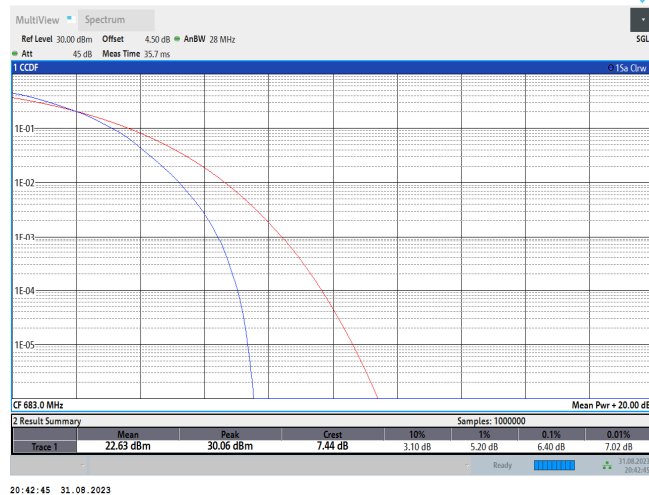
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Band71-20MHz-64QAM-133222-100RB#0



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



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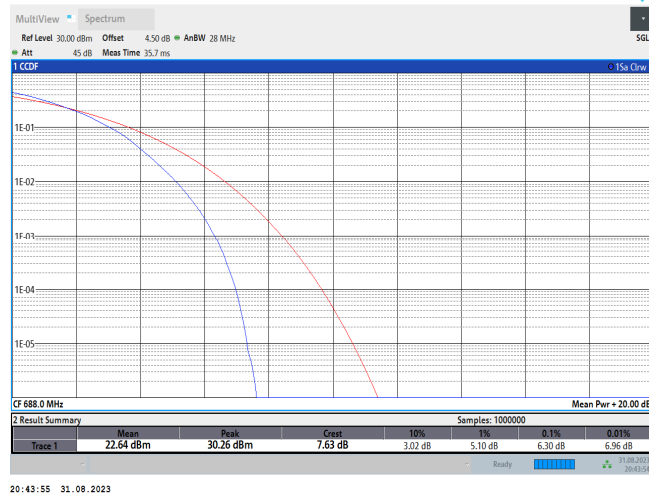
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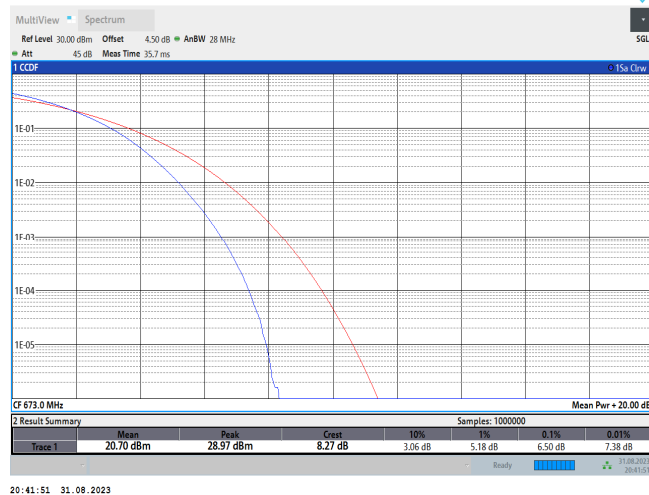
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Band71-20MHz-64QAM-133372-100RB#0



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



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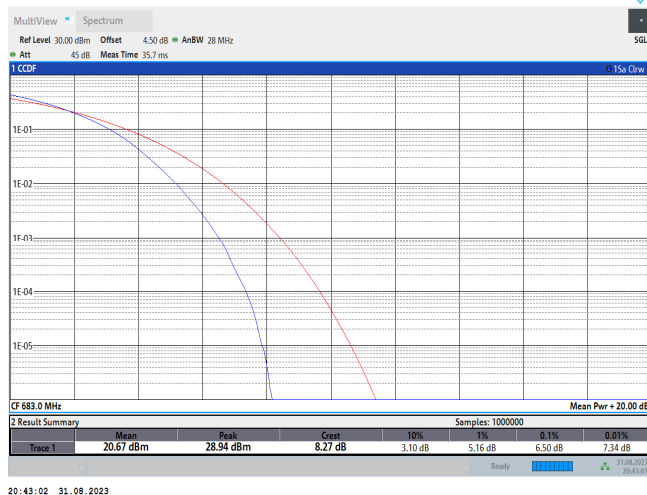
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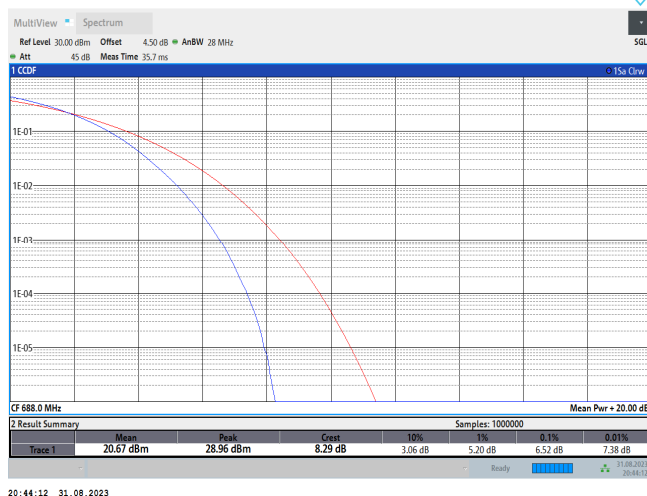
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Band71-20MHz-256QAM-133322-100RB#0



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 Rev.: 01
 Page: 16 of 42

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133297	25RB#0	4.465	4.87	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.466	4.84	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.471	4.86	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.47	4.83	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.927	9.56	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.923	9.66	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.937	9.64	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.922	9.60	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.451	14.79	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.464	14.73	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.435	14.76	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.434	14.73	PASS
Band71	20MHz	QPSK	133297	100RB#0	17.893	19.32	PASS
Band71	20MHz	16QAM	133297	100RB#0	17.877	19.24	PASS
Band71	20MHz	64QAM	133297	100RB#0	17.88	19.32	PASS
Band71	20MHz	256QAM	133297	100RB#0	17.888	19.28	PASS



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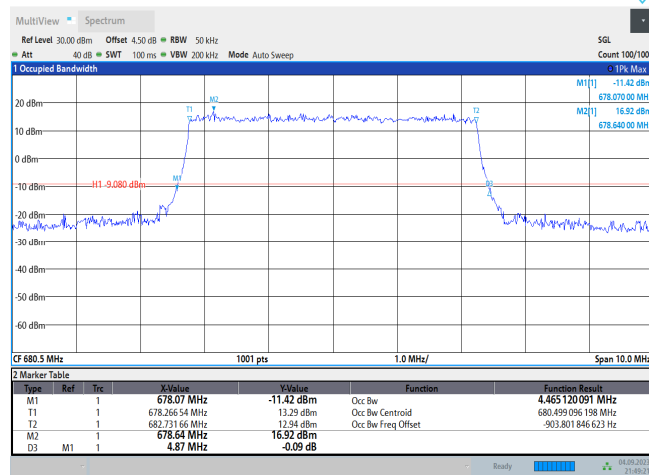
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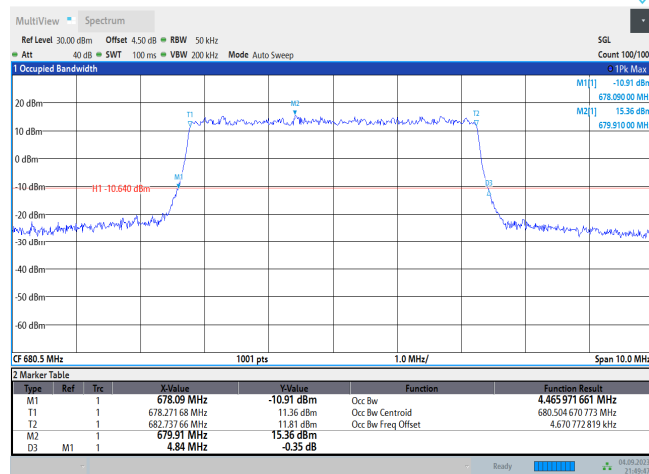
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Test Graphs

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



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



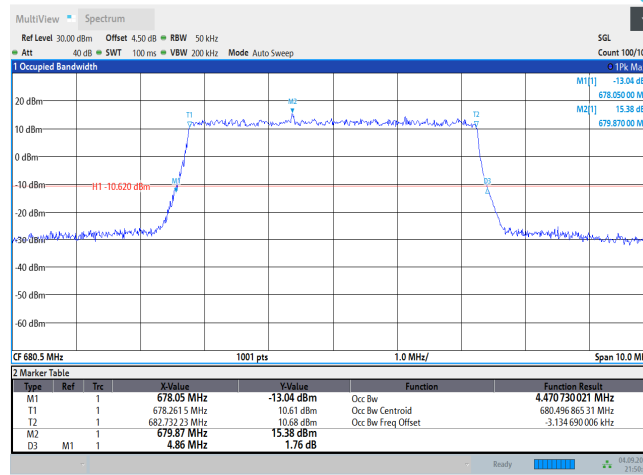
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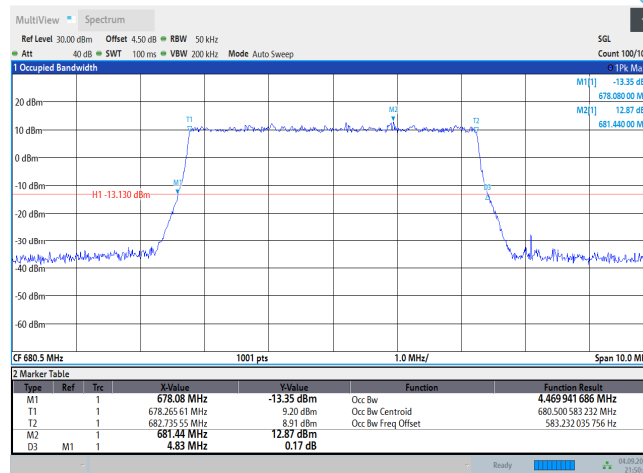
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Band71-5MHz-64QAM-133297-25RB#0



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



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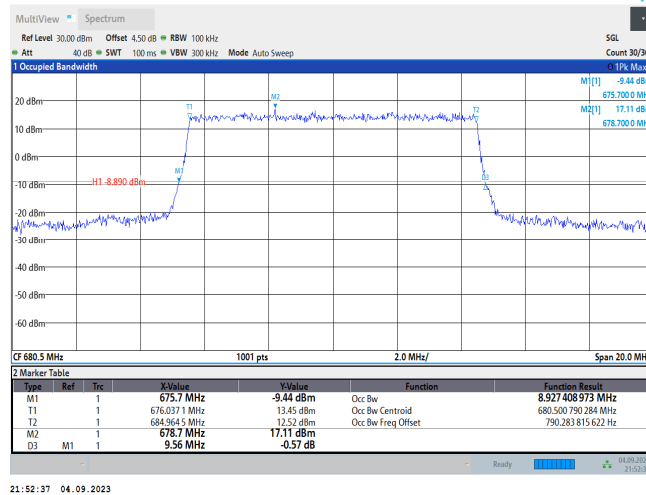
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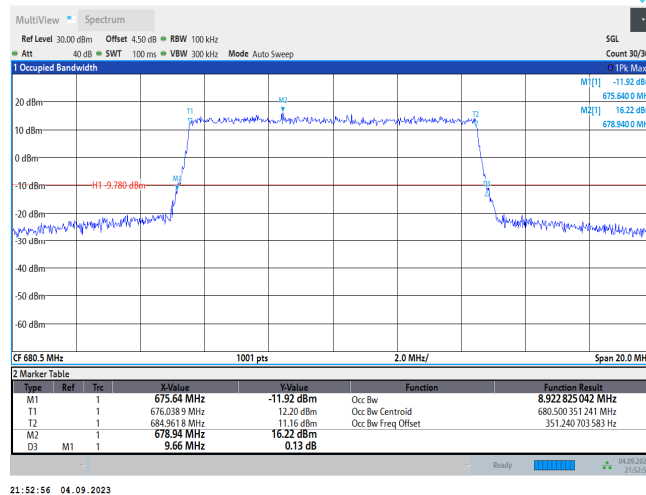
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Band71-10MHz-QPSK-133297-50RB#0



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



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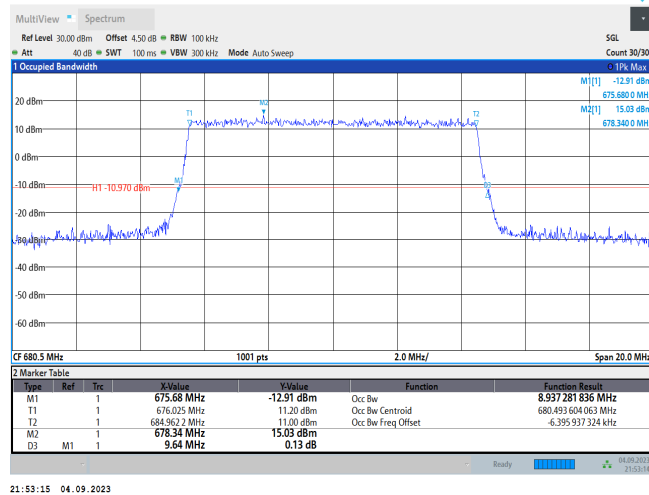
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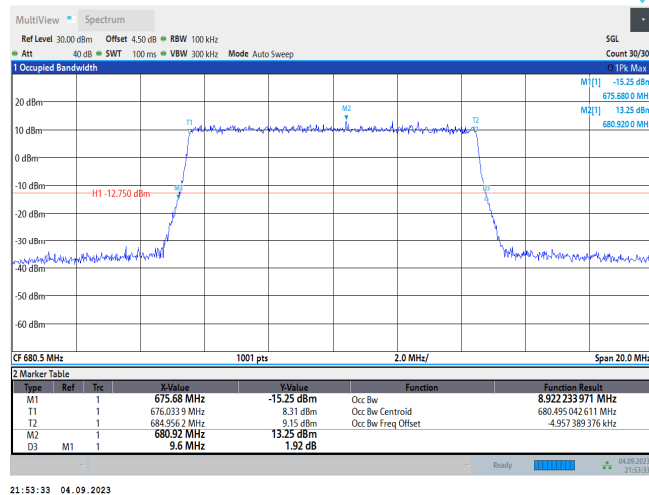
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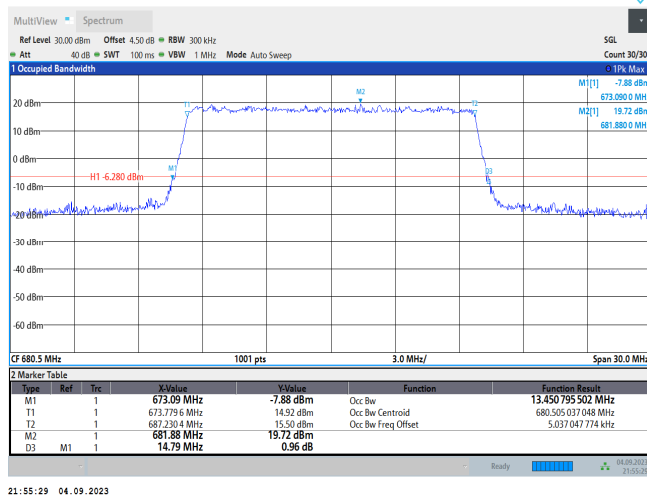
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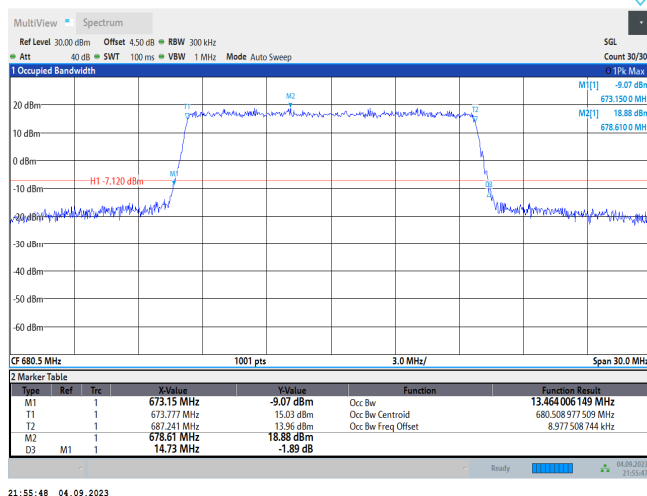
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Band71-15MHz-QPSK-133297-75RB#0



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



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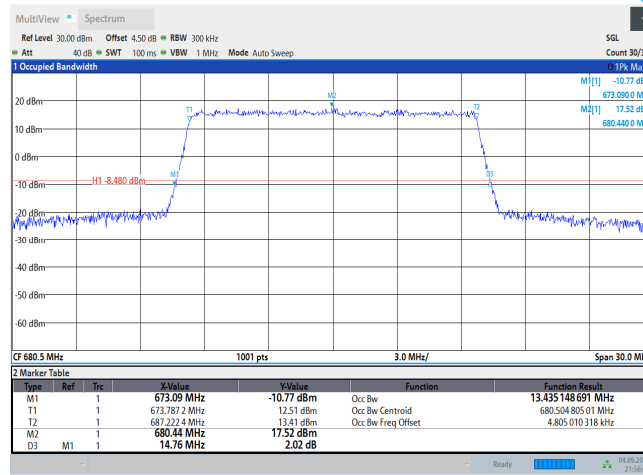
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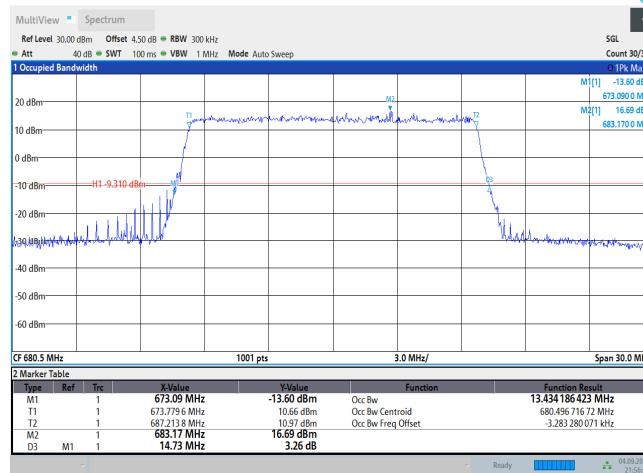
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Band71-15MHz-64QAM-133297-75RB#0



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



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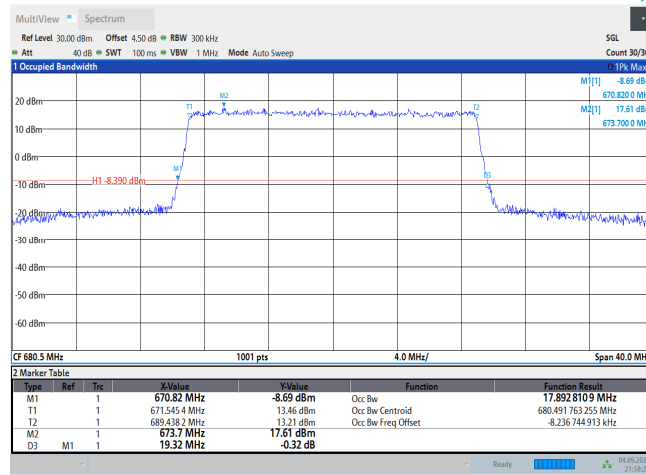
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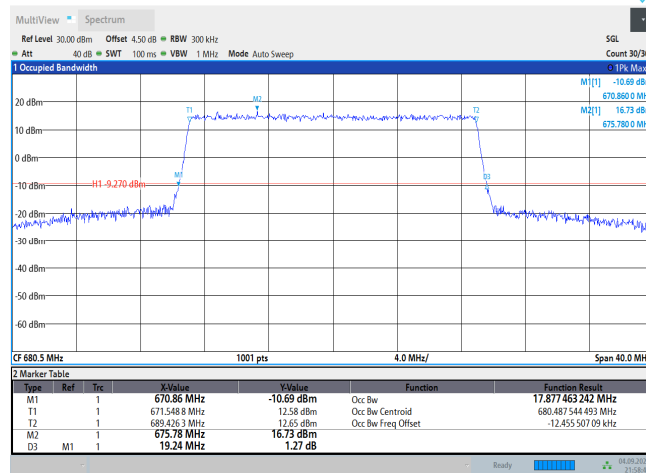
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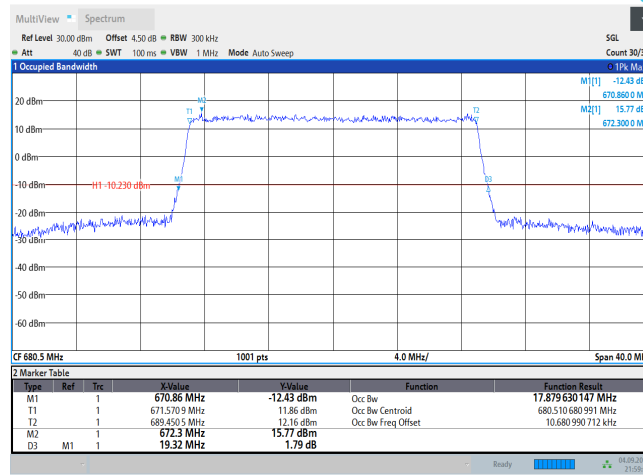
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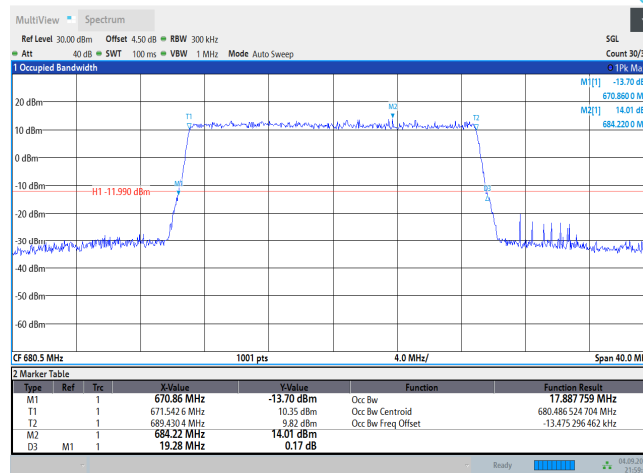
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Band71-20MHz-64QAM-133297-100RB#0



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Band71-20MHz-256QAM-133297-100RB#0



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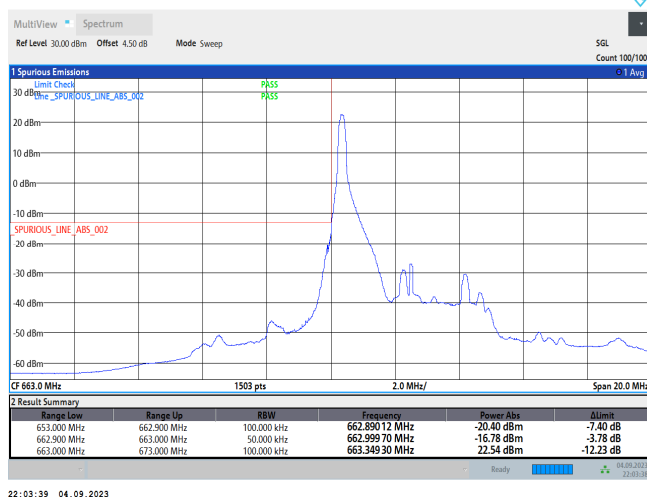
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Band Edge

Test Graphs

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



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



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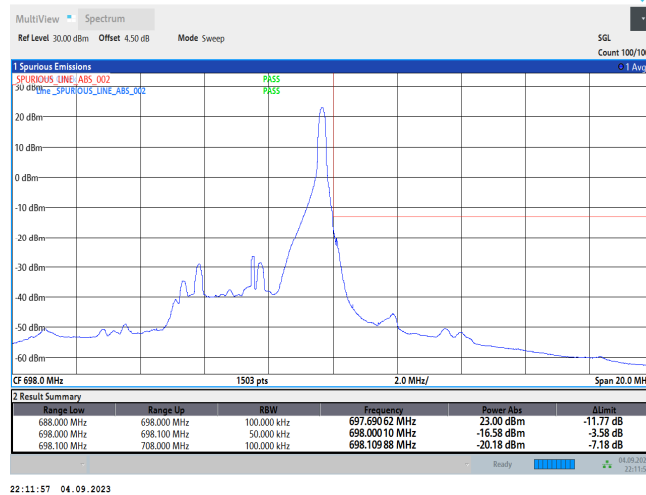
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Band71-5MHz-QPSK-133447-1RB#24



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



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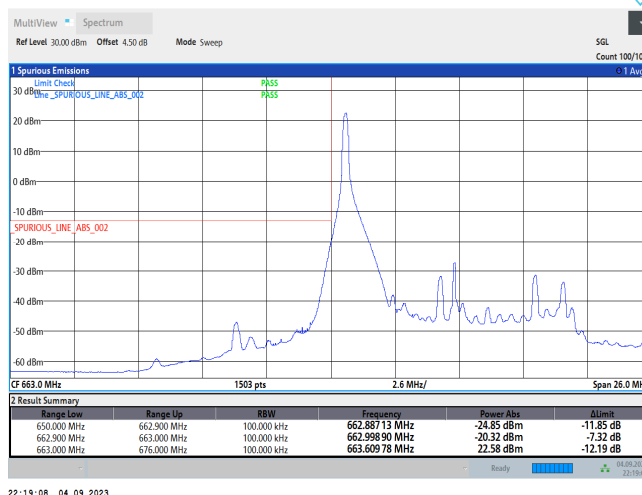
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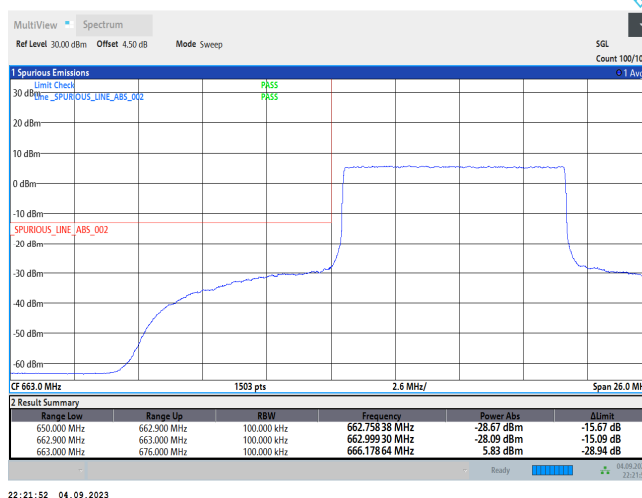
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Band71-10MHz-QPSK-133172-50RB#0



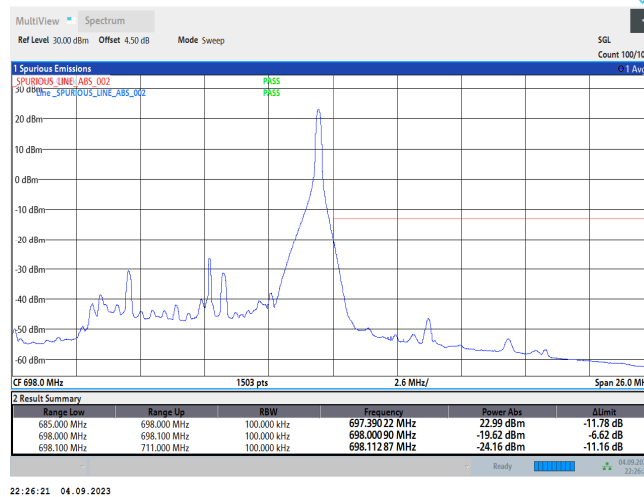
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Band71-10MHz-QPSK-133422-1RB#49



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



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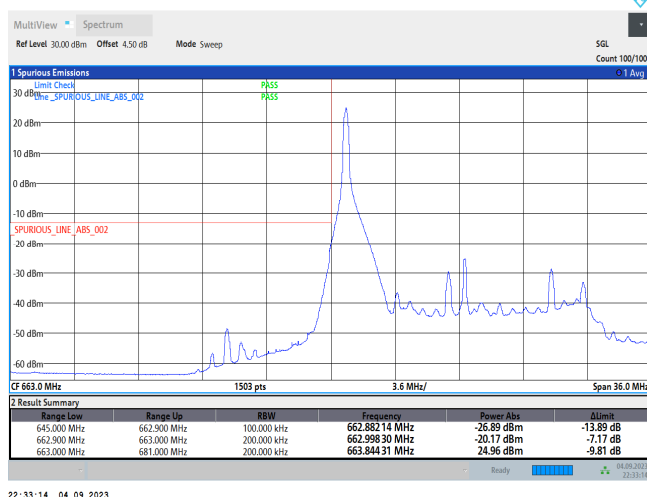
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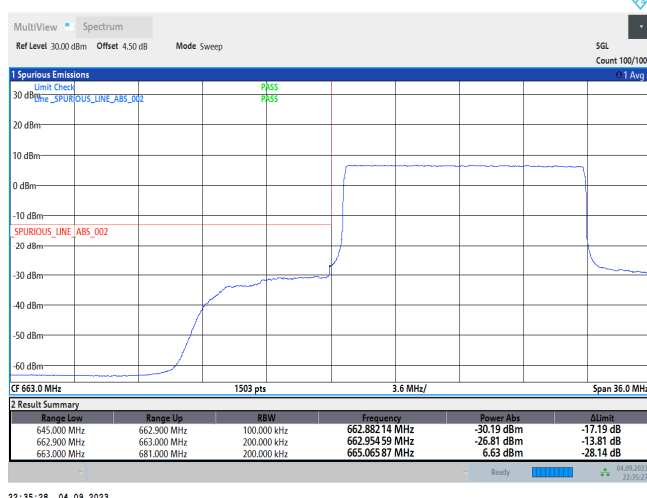
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Rev.: 01
Page: 29 of 42

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



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



22:35:28 04.09.2023



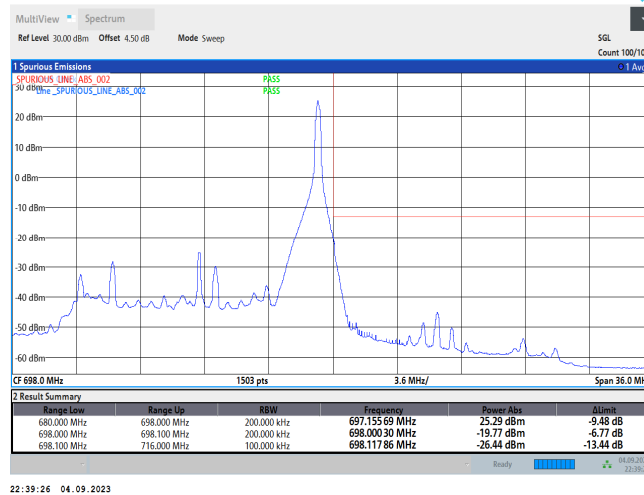
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Band71-15MHz-QPSK-133397-1RB#74



22:39:26 04.09.2023

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



22:41:40 04.09.2023



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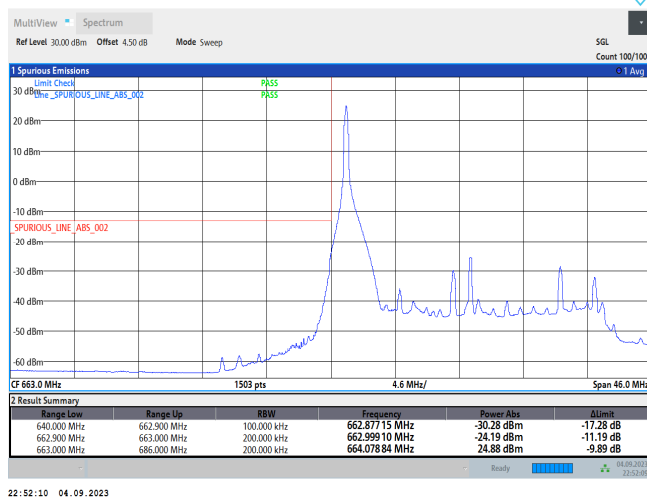
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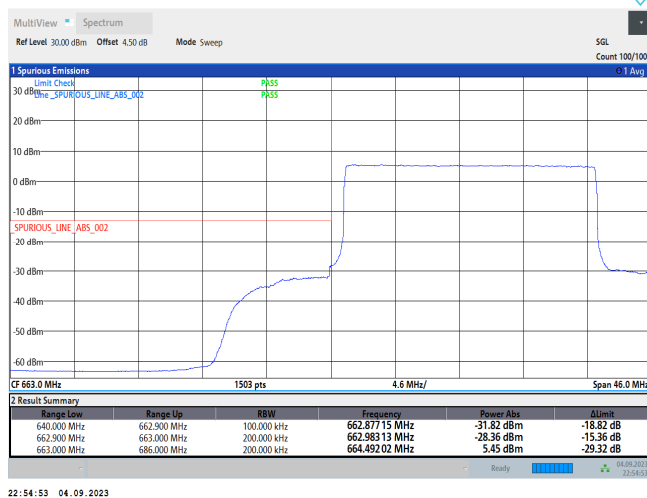
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Band71-20MHz-QPSK-133222-1RB#0



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



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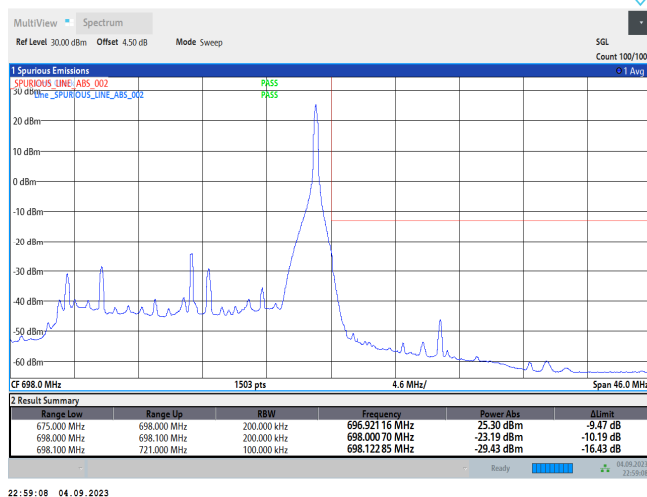
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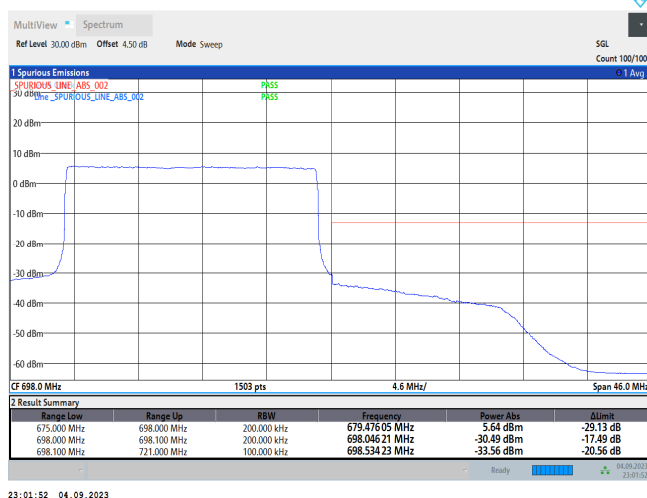
Page: 32 of 42

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



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



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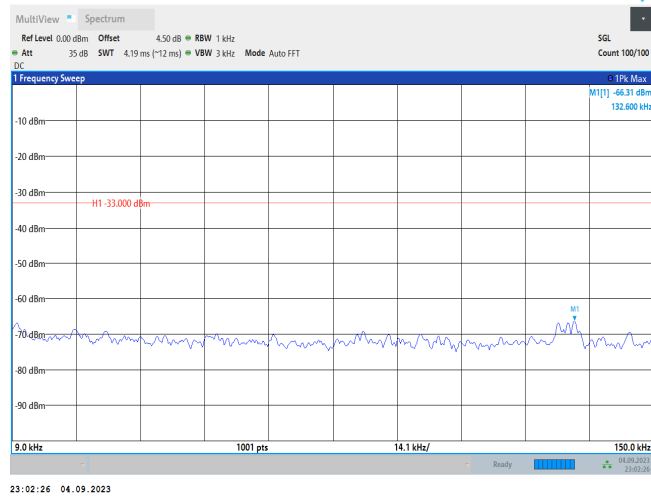
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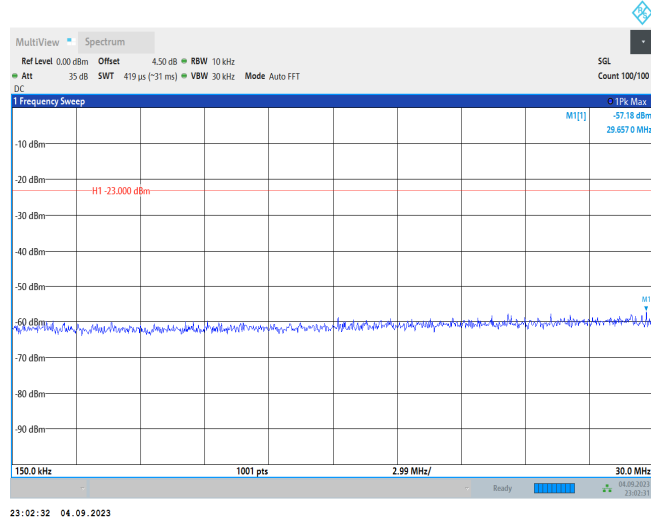
Conducted Spurious Emission

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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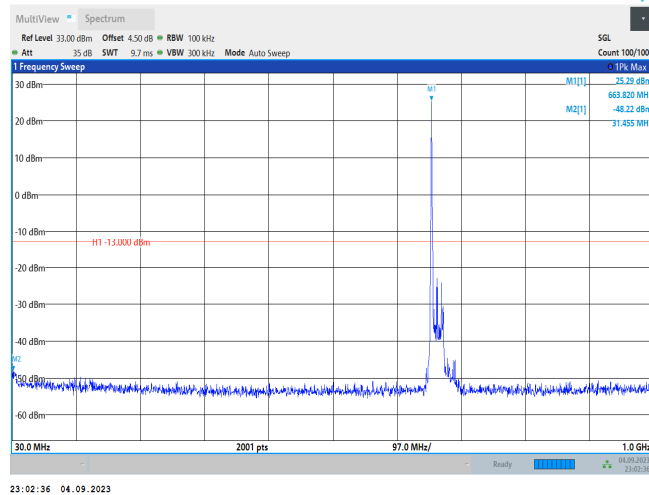
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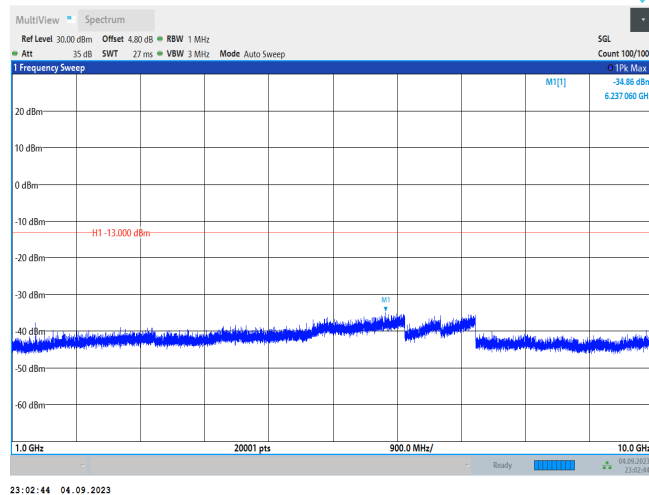
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Page: 34 of 42

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



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



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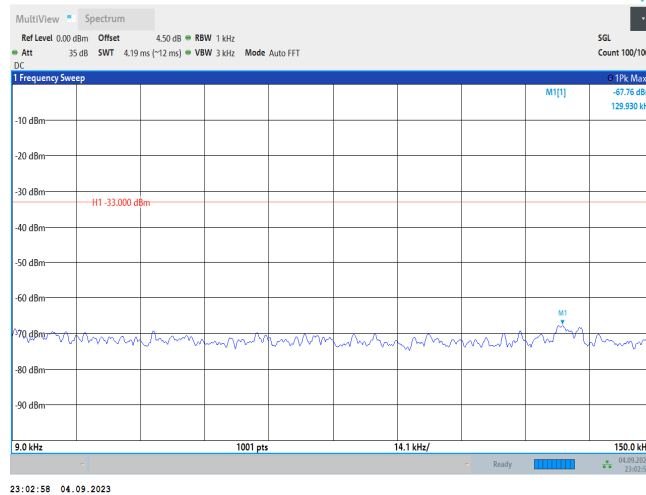
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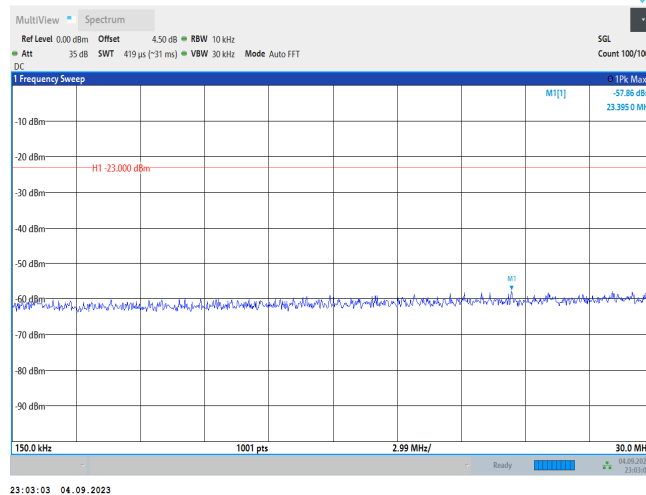
Rev.: 01

Page: 35 of 42

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



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



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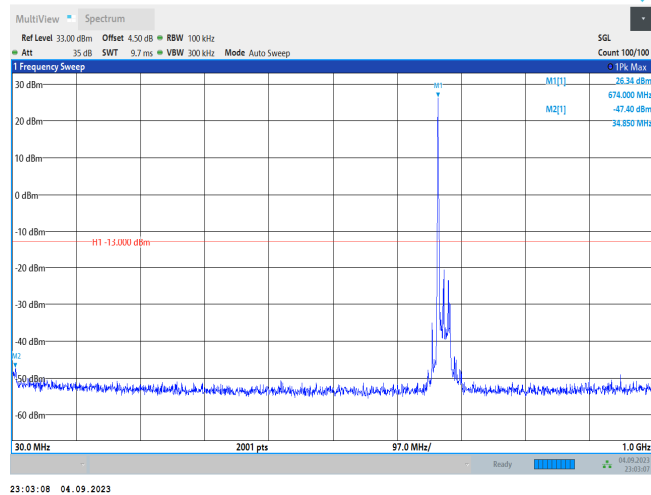
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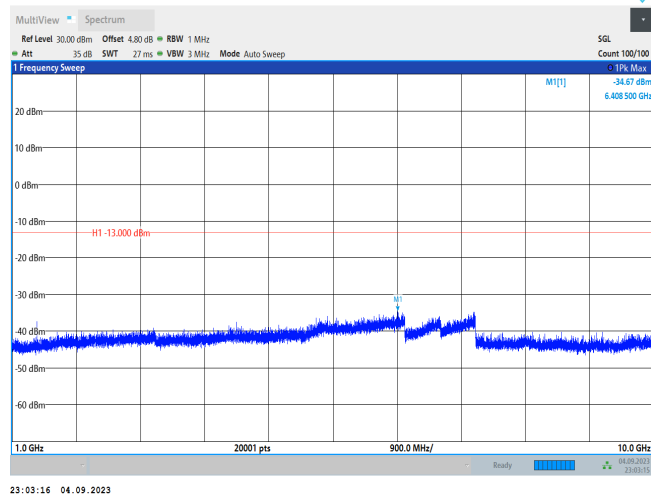
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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



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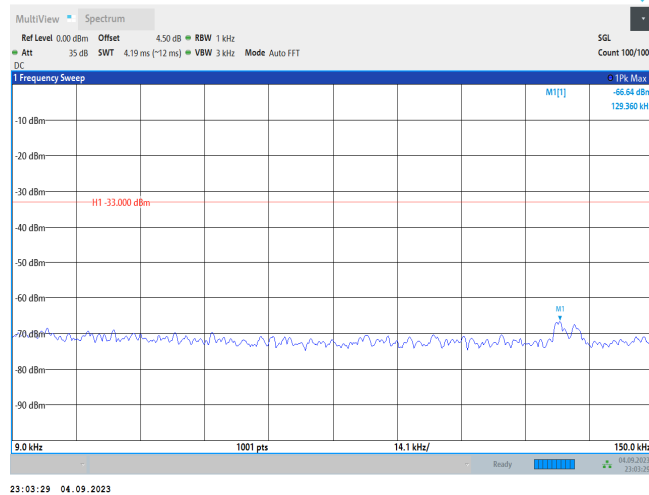
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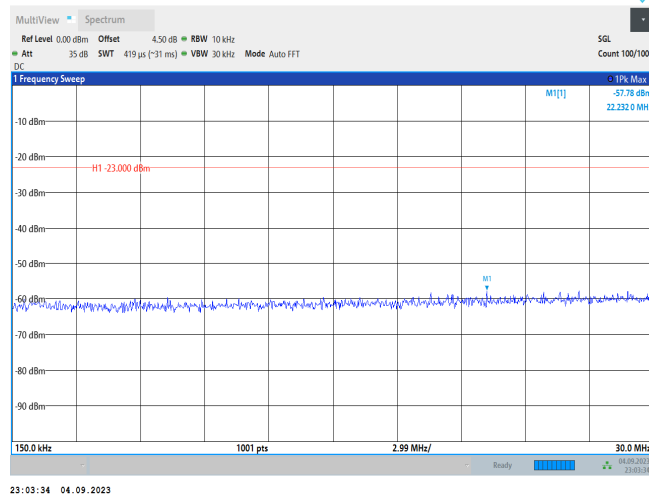
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Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz



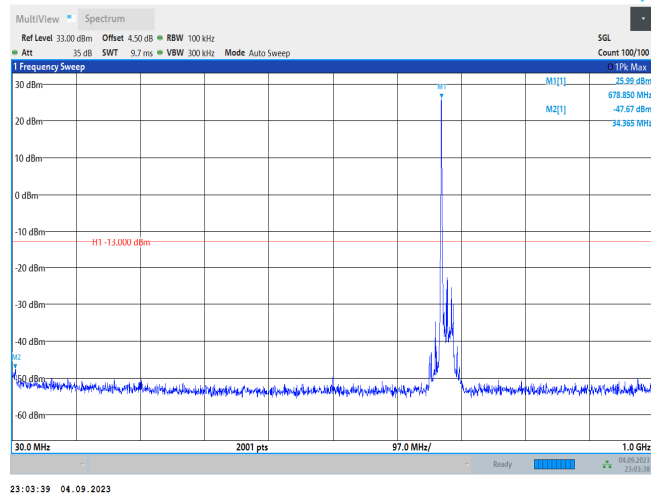
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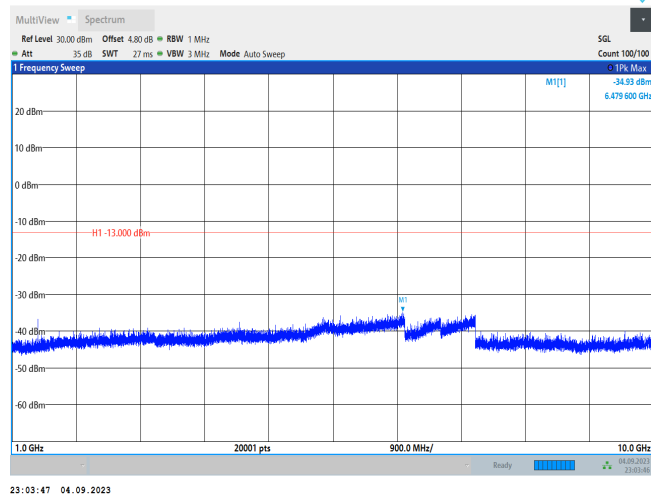
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Report No.: SEWM2308000313RG01
 Rev.: 01
 Page: 39 of 42

Field Strength of Spurious Radiation

Test Band = LTE Band71_20MHz_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	44.61	-48.09	25.14	-73.61	-13.00	60.61	Horizontal
2	1992.2700	43.15	-47.91	25.89	-74.14	-13.00	61.14	Horizontal
3	2656.3600	42.63	-47.00	27.61	-72.01	-13.00	59.01	Horizontal
4	3320.4500	42.49	-46.65	28.49	-70.93	-13.00	57.93	Horizontal
5	3984.5400	41.96	-46.20	29.08	-70.42	-13.00	57.42	Horizontal
6	4648.6300	40.03	-45.79	30.63	-70.40	-13.00	57.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.66	-48.09	25.14	-74.56	-13.00	61.56	Vertical
2	1992.2700	43.00	-47.91	25.89	-74.29	-13.00	61.29	Vertical
3	2656.3600	43.07	-47.00	27.61	-71.57	-13.00	58.57	Vertical
4	3320.4500	42.65	-46.65	28.49	-70.77	-13.00	57.77	Vertical
5	3984.5400	41.88	-46.20	29.08	-70.50	-13.00	57.50	Vertical
6	4648.6300	40.74	-45.79	30.63	-69.69	-13.00	56.69	Vertical



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Report No.: SEWM2308000313RG01
Rev.: 01
Page: 40 of 42

Test Band = LTE Band71_20MHz_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	44.33	-48.07	25.13	-73.87	-13.00	60.87	Horizontal
2	2022.2700	42.94	-47.86	25.96	-74.22	-13.00	61.22	Horizontal
3	2696.3600	42.47	-47.05	27.69	-72.14	-13.00	59.14	Horizontal
4	3370.4500	42.38	-46.58	28.52	-70.94	-13.00	57.94	Horizontal
5	4044.5400	40.77	-46.07	29.21	-71.35	-13.00	58.35	Horizontal
6	4718.6300	41.29	-45.77	30.78	-68.96	-13.00	55.96	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	44.14	-48.07	25.13	-74.06	-13.00	61.06	Vertical
2	2022.2700	42.79	-47.86	25.96	-74.37	-13.00	61.37	Vertical
3	2696.3600	42.87	-47.05	27.69	-71.74	-13.00	58.74	Vertical
4	3370.4500	42.01	-46.58	28.52	-71.31	-13.00	58.31	Vertical
5	4044.5400	40.93	-46.07	29.21	-71.19	-13.00	58.19	Vertical
6	4718.6300	40.45	-45.77	30.78	-69.80	-13.00	56.80	Vertical



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Report No.: SEWM2308000313RG01
 Rev.: 01
 Page: 41 of 42

Test Band = LTE Band71_20MHz_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	44.05	-48.05	25.12	-74.14	-13.00	61.14	Horizontal
2	2037.2700	43.10	-47.83	26.01	-73.98	-13.00	60.98	Horizontal
3	2716.3600	42.88	-47.03	27.73	-71.68	-13.00	58.68	Horizontal
4	3395.4500	41.68	-46.55	28.54	-71.59	-13.00	58.59	Horizontal
5	4074.5400	40.67	-45.98	29.28	-71.29	-13.00	58.29	Horizontal
6	4753.6300	40.46	-45.71	30.86	-69.66	-13.00	56.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	43.98	-48.05	25.12	-74.21	-13.00	61.21	Vertical
2	2037.2700	42.73	-47.83	26.01	-74.35	-13.00	61.35	Vertical
3	2716.3600	43.10	-47.03	27.73	-71.46	-13.00	58.46	Vertical
4	3395.4500	41.68	-46.55	28.54	-71.59	-13.00	58.59	Vertical
5	4074.5400	40.88	-45.98	29.28	-71.08	-13.00	58.08	Vertical
6	4753.6300	40.88	-45.71	30.86	-69.24	-13.00	56.24	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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Report No.: SEWM2308000313RG01

Rev.: 01

Page: 42 of 42

Frequency Stability

Test Result

Voltage									
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	2.10	0.003075	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	0.70	0.001025	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	3.80	0.005564	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-1.50	-0.002196	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-2.00	-0.002928	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-0.70	-0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	0.40	0.000586	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-0.60	-0.000878	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	0.70	0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	1.30	0.001903	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	5.10	0.007467	PASS

---End of Attachment---



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